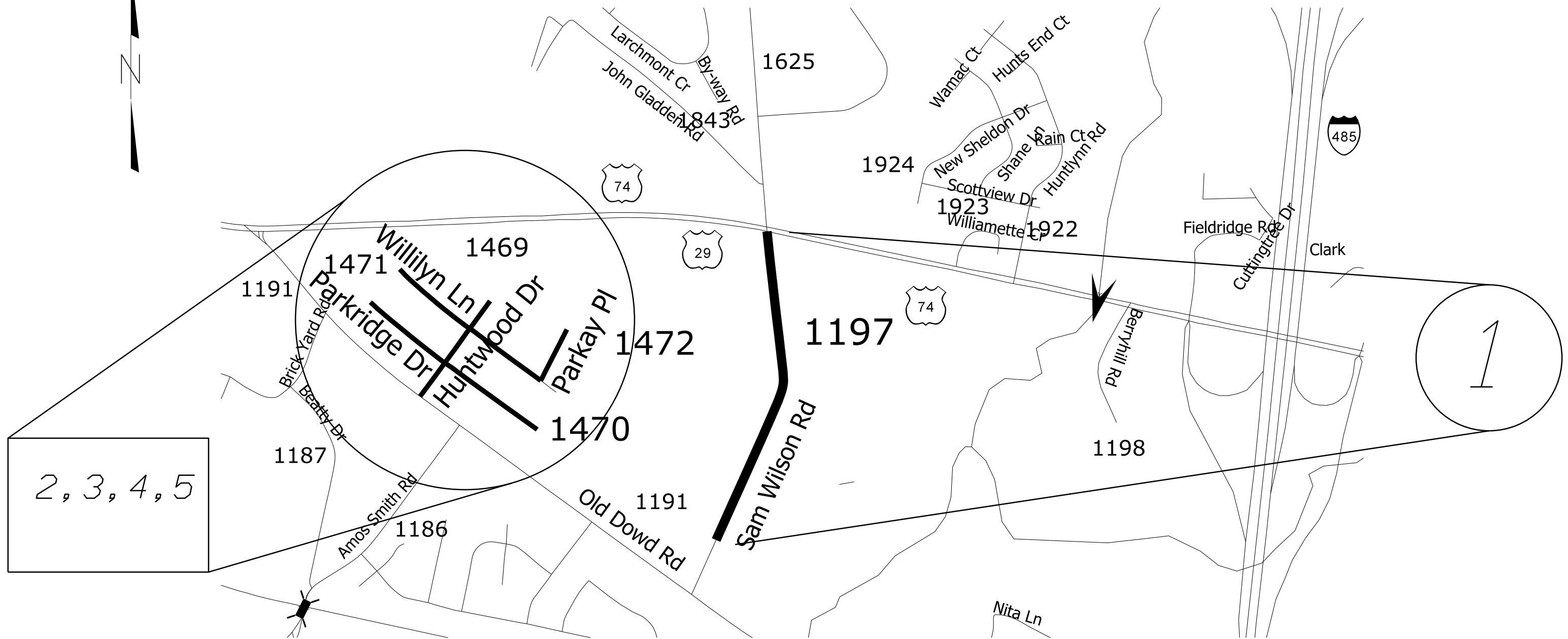


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| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
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| WBS NO. | 2020CPT.J0.I4.20601 2020CPT.J0.I4.J0601 | | |



Description

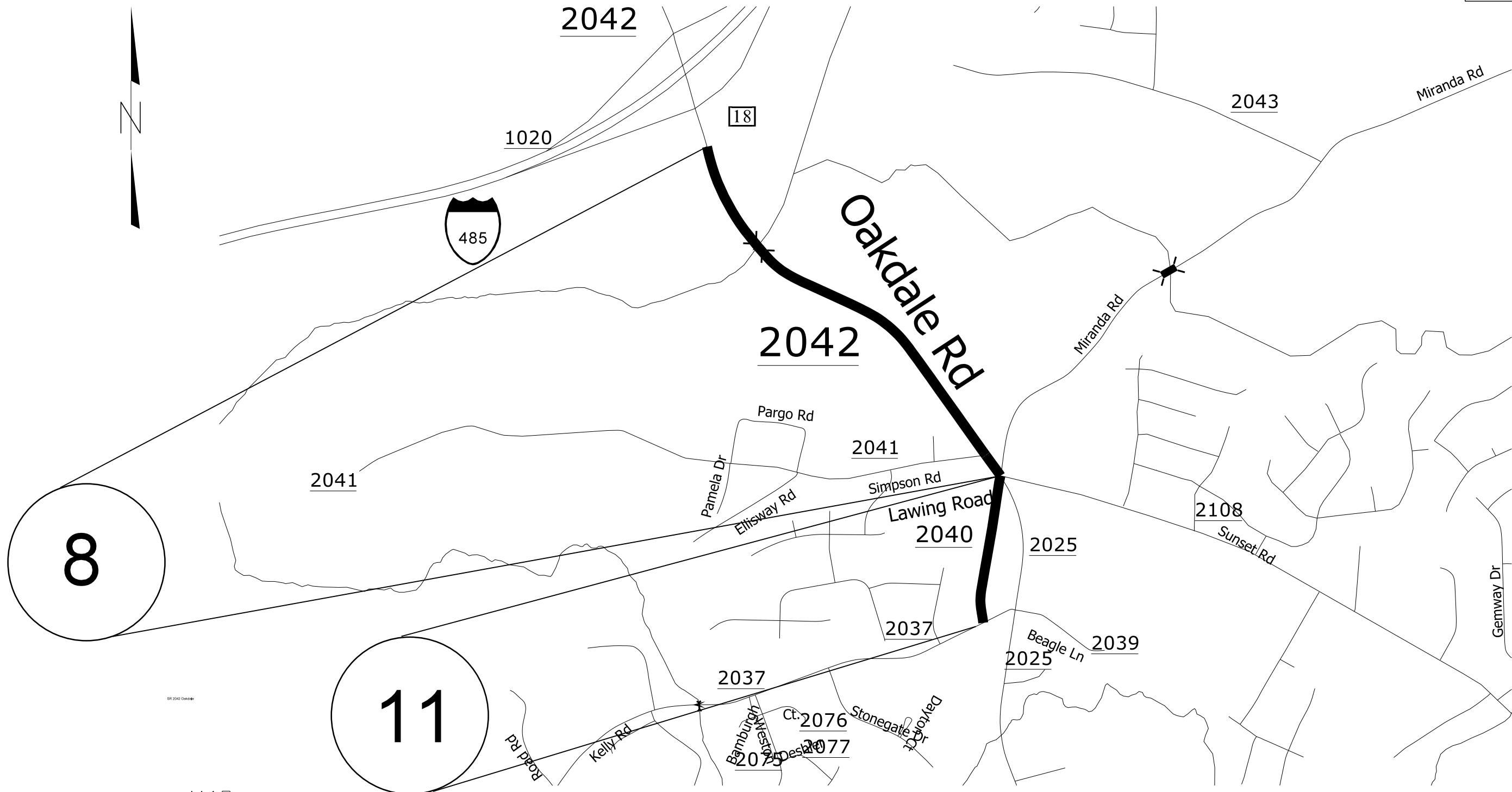
MAP

- #1 SR 1197 Sam Wilson Road
- #2 SR 1470 Parkridge Road
- #3 SR 1471 Willilyn Road
- #4 SR 1472 Parkay Place
- #5 SR 1469 Huntwood Drive

- Map #1 From US 29 to the pvt Joint before SR 1191 Old Dowd Rd.
- Map #2 From EOM to EOM
- Map #3 From Cul de sac to SR 1472 Parkay Place.
- Map #4 From SR 1471 Willilyn Lane to EOM.
- Map #5 From SR 1191 Old Dowd Rd to EOM.

| | | | |
|----------------------------------------|-------|-----------|--|
| 2021 MECKLENBURG COUNTY RESURFACING | | REVISIONS | |
| SCALE | -NA- | | |
| DATE | 01/20 | | |
| DWG. BY | DBH | | |
| DESIGN BY | DBH | | |
| APPROVED | | | |

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|---------|--------------------------------------------|-----------|--------------|
| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | | 2 | |
| WBS NO. | 2020CPT.J0.J4.20601 2020CPT.J0.J4.J0601 | | |



8


11

MAP

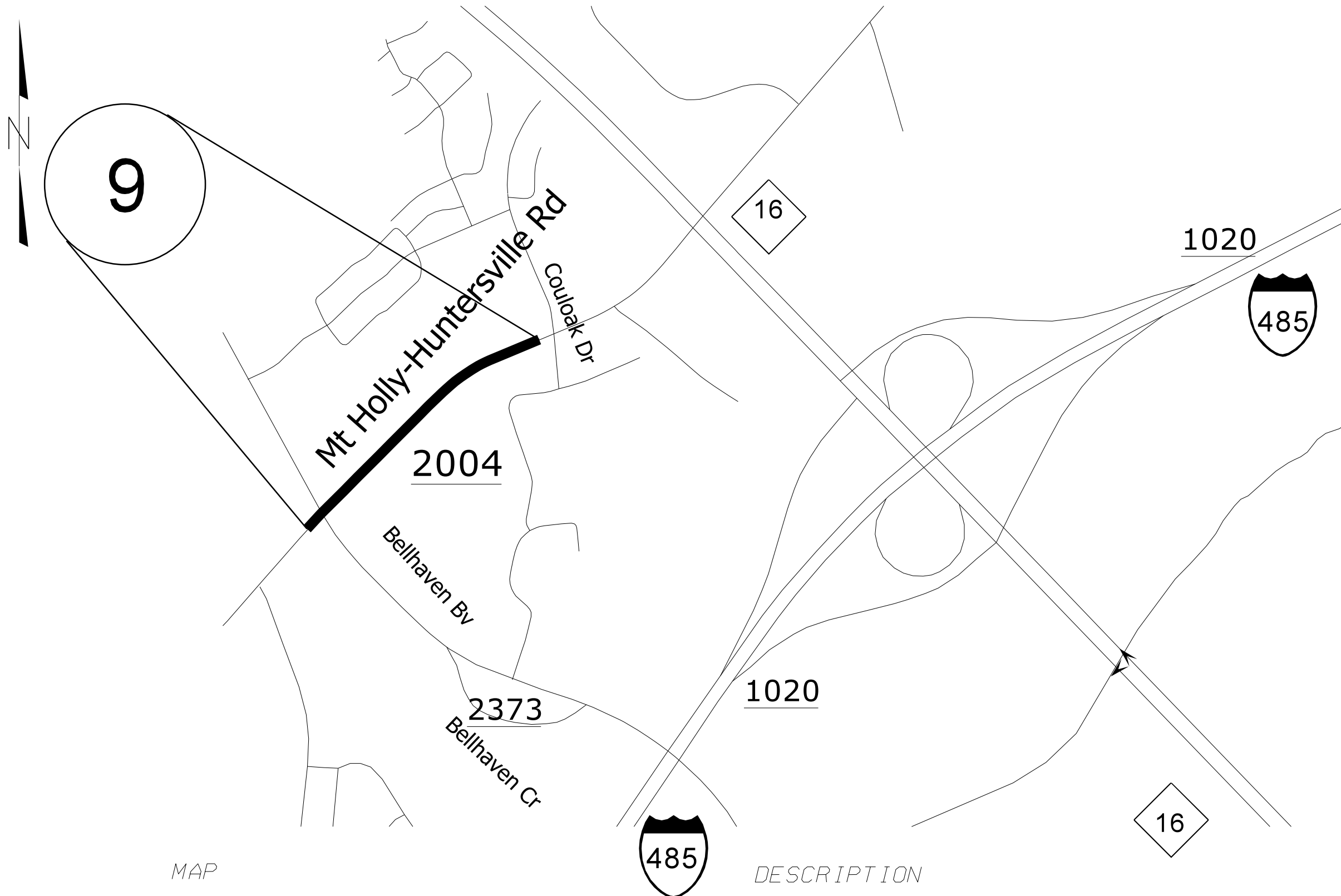
Description

8 SR 2042 Oakdale Road
11 SR 2040 Lawing Road

From Pvt joint at 3 lane section to SR 2040 Lawing Road.
From SR 2042 Oakdale Rd to SR 2037 Kelly Rd.

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|----------------------------------------|-------|---------------------------------------------------------------------------------------|--|
| 2021 MECKLENBURG COUNTY RESURFACING | | REVISIONS | |
| SCALE | -NA- |  | |
| DATE | 01/20 | | |
| DWG. BY | DBH | | |
| DESIGN BY | DBH | | |
| APPROVED | | | |

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|---------|--------------------------------------------|-----------|--------------|
| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | | 3 | |
| WBS NO. | 2020CPT.10.14.2060/ 2020CPT.10.14.1060/ | | |



MAP

9 SR 2004 Mt Holly Huntersville.

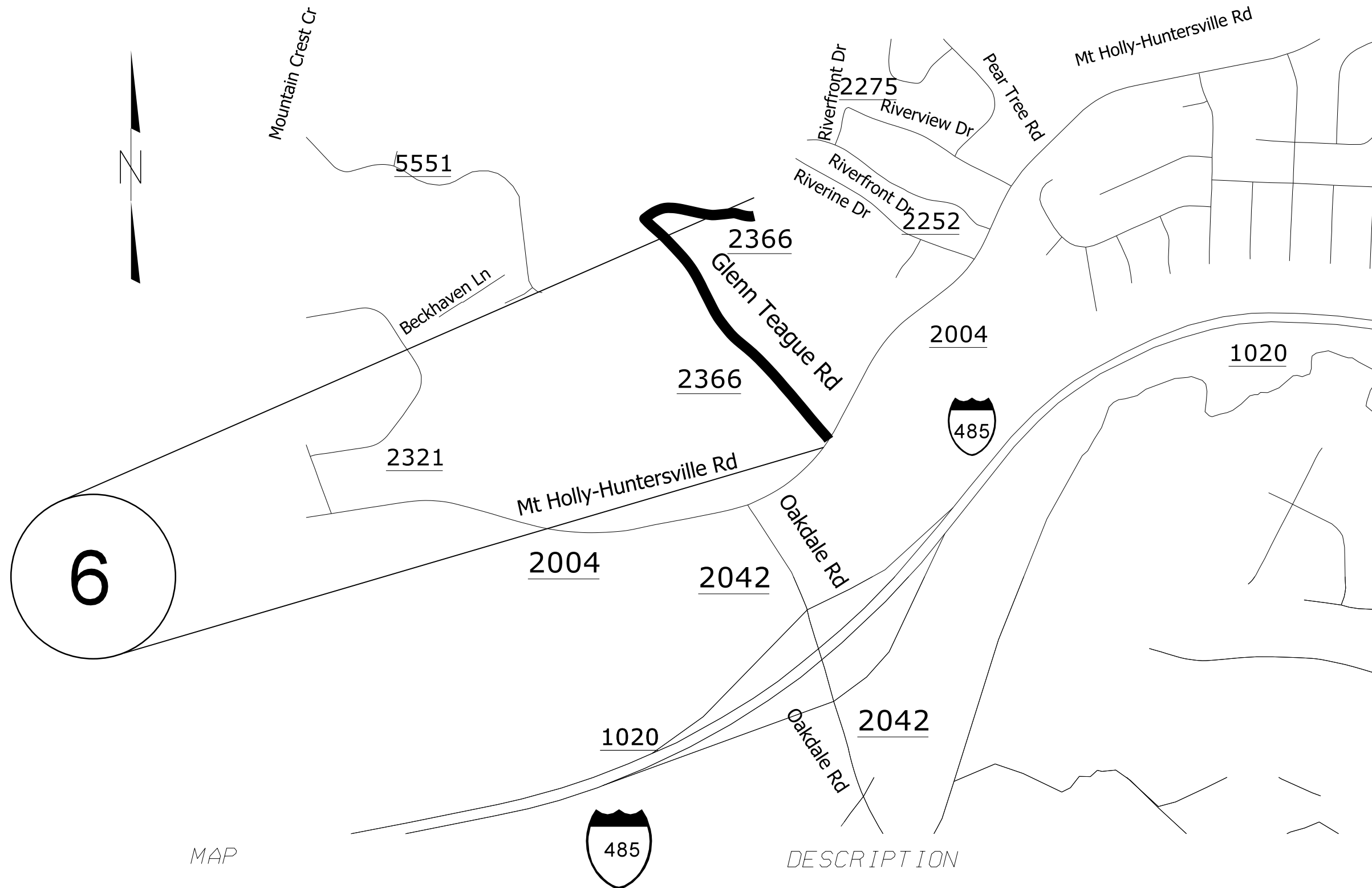
DESCRIPTION

From through the intersection of SR 2373 Bellhaven to the Pvt Joint at Couloak.

2021 MECKLENBURG COUNTY
RESURFACING

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|-----------|-------|---------------------------------------------------------------------------------------|-----------|
| SCALE | -NA- |  | REVISIONS |
| DATE | 01/20 | | |
| DWG. BY | DBH | | |
| DESIGN BY | DBH | | |
| APPROVED | | | |

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|---------|--------------------------------------------|-----------|--------------|
| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
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| WBS NO. | 2020CPT.10.14.20601 2020CPT.10.14.10601 | | |



MAP

DESCRIPTION

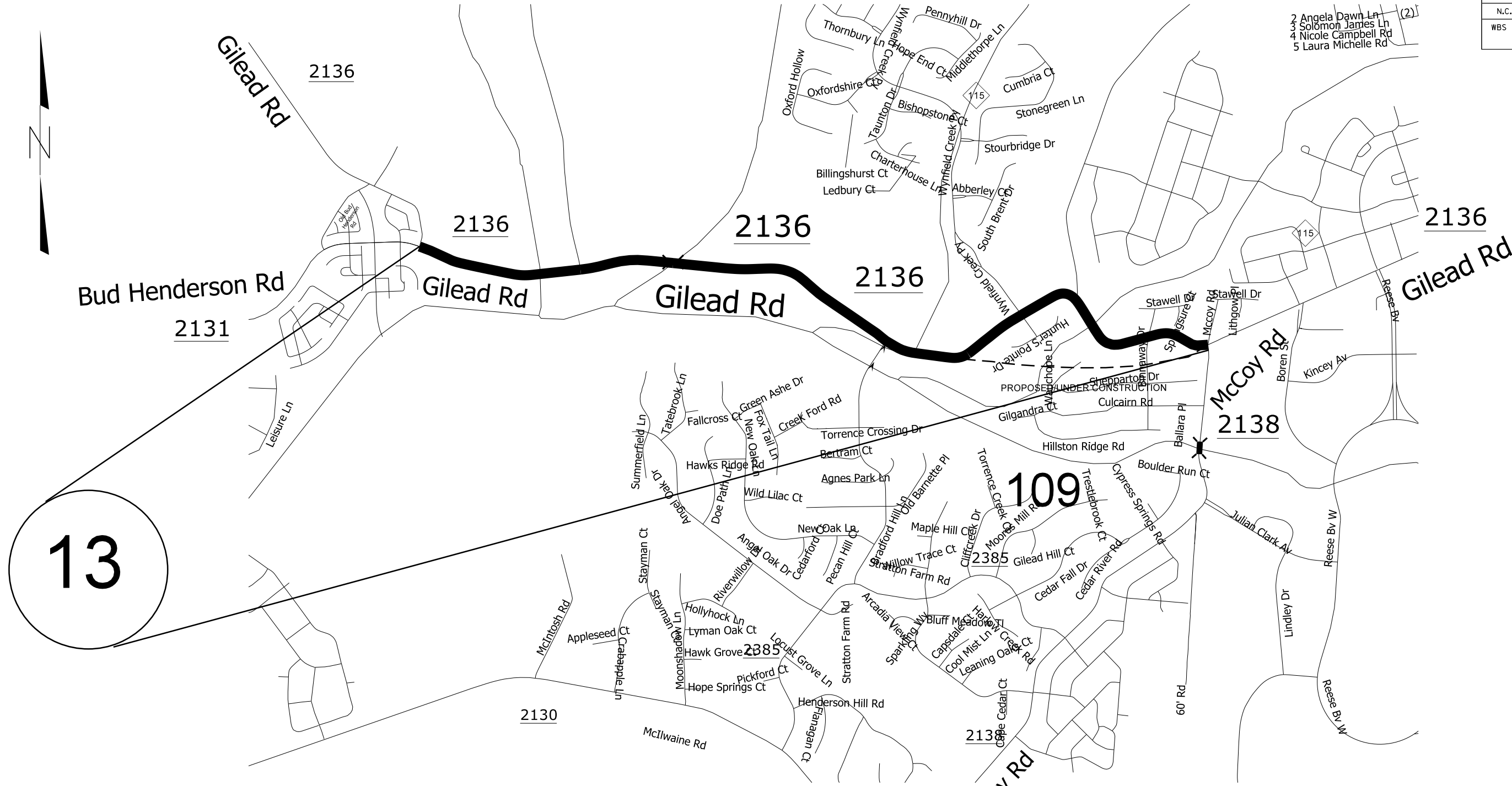
#6 SR 2366 Glenn Teague Road

FROM SR 2004 Mt Holly Huntersville Rd
to EOM.

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| 2021 MECKLENBURG COUNTY RESURFACING | | |
| SCALE | -NA- | REVISIONS |
| DATE | 01/20 | |
| DWG. BY | DBH | |
| DESIGN BY | DBH | |
| APPROVED | | |



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| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
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| WBS NO. | 2020CPT.10.14.20601 2020CPT.10.14.10601 | | |



13

MAP

DESCRIPTION

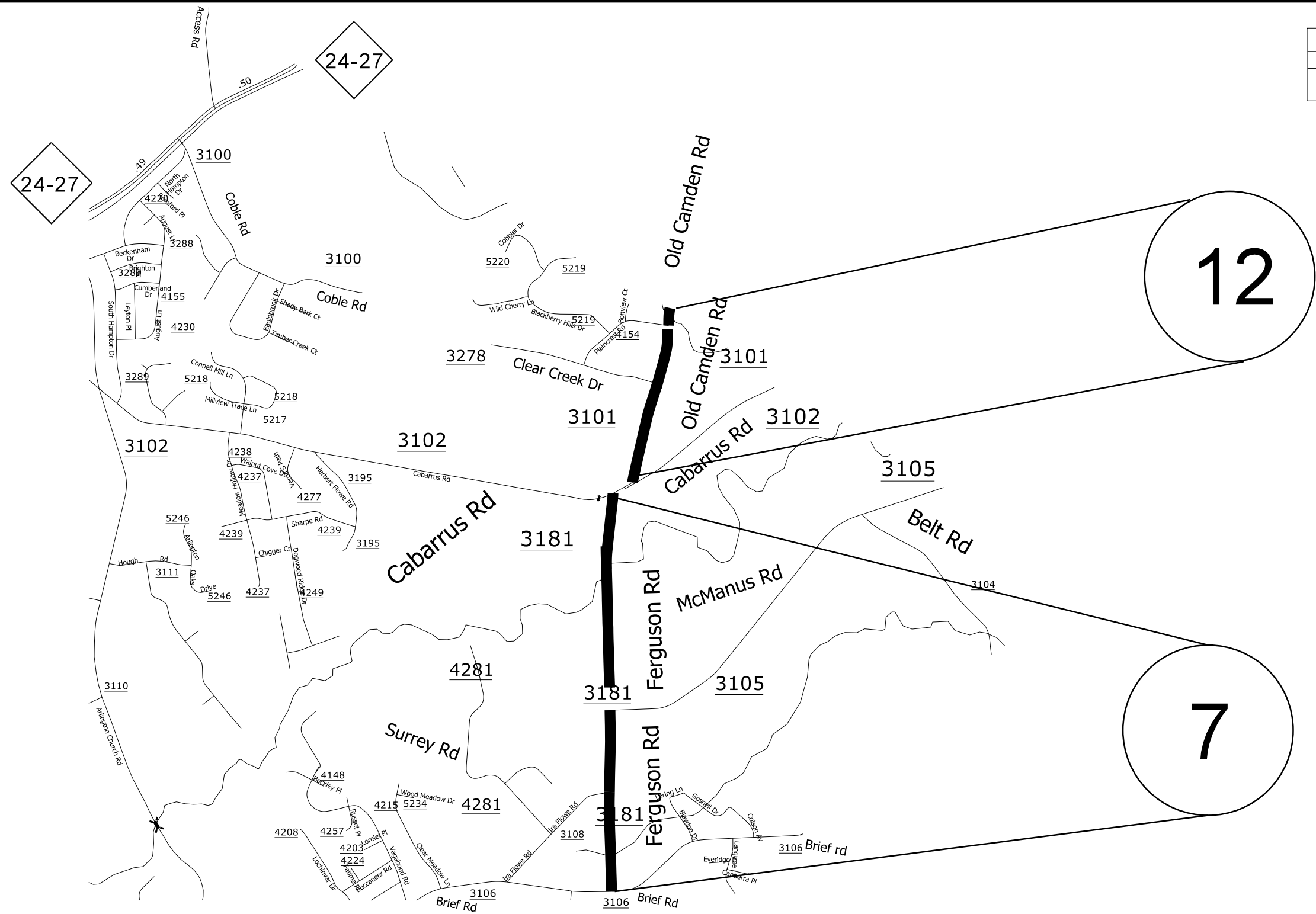
13 SR 2136 Gillead Road

FROM SR 2138 McCoy Road to SR 2131 Bud Henderson Rd.

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| 2021 MECKLENBURG COUNTY RESURFACING | | |
| SCALE | -NA- | REVISIONS |
| DATE | 01/20 | |
| DWG. BY | DBH | |
| DESIGN BY | DBH | |
| APPROVED | | |



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| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | | 7 | |
| WBS NO. | 2020CPT.10.14.20601 2020CPT.10.14.10601 | | |



MAP

DESCRIPTION

#7 SR 3181 Ferguson Rd.

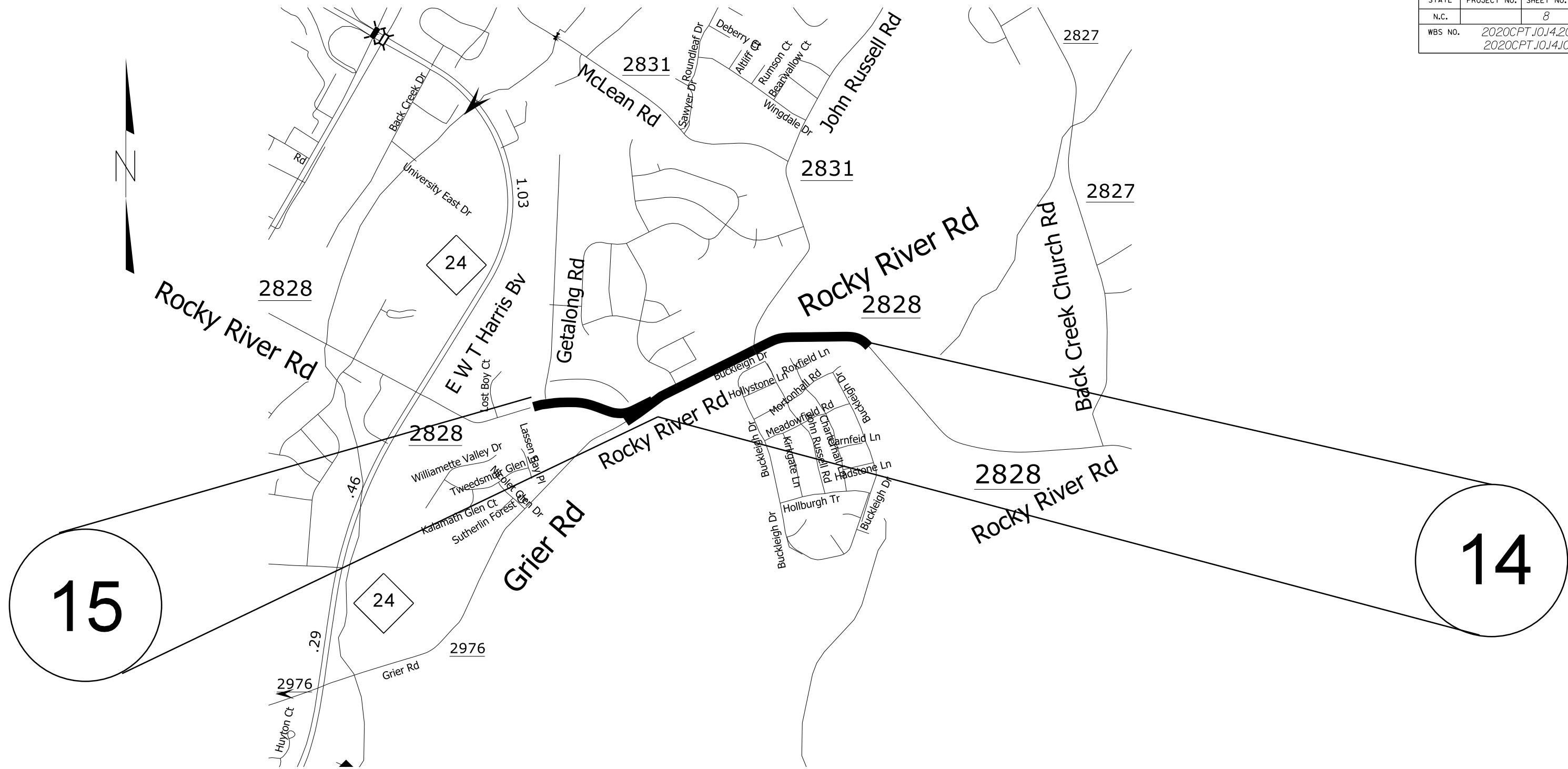
#12 SR 3101 Old Camden Rd.

FROM SR 3106 Brief Rd to SR 3102 Cabarrus Rd.
From SR 3102 Cabarrus Rd to the Cabarrus Co. Line.

2021 MECKLENBURG COUNTY
RESURFACING

| | | | |
|-----------|-------|---------------------------------------------------------------------------------------|-----------|
| SCALE | -NA- |  | REVISIONS |
| DATE | 01/20 | | |
| DWG. BY | DBH | | |
| DESIGN BY | DBH | | |
| APPROVED | | | |

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| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
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| WBS NO. | 2020CPT.10J4.20601 2020CPT.10J4.10601 | | |



MAP

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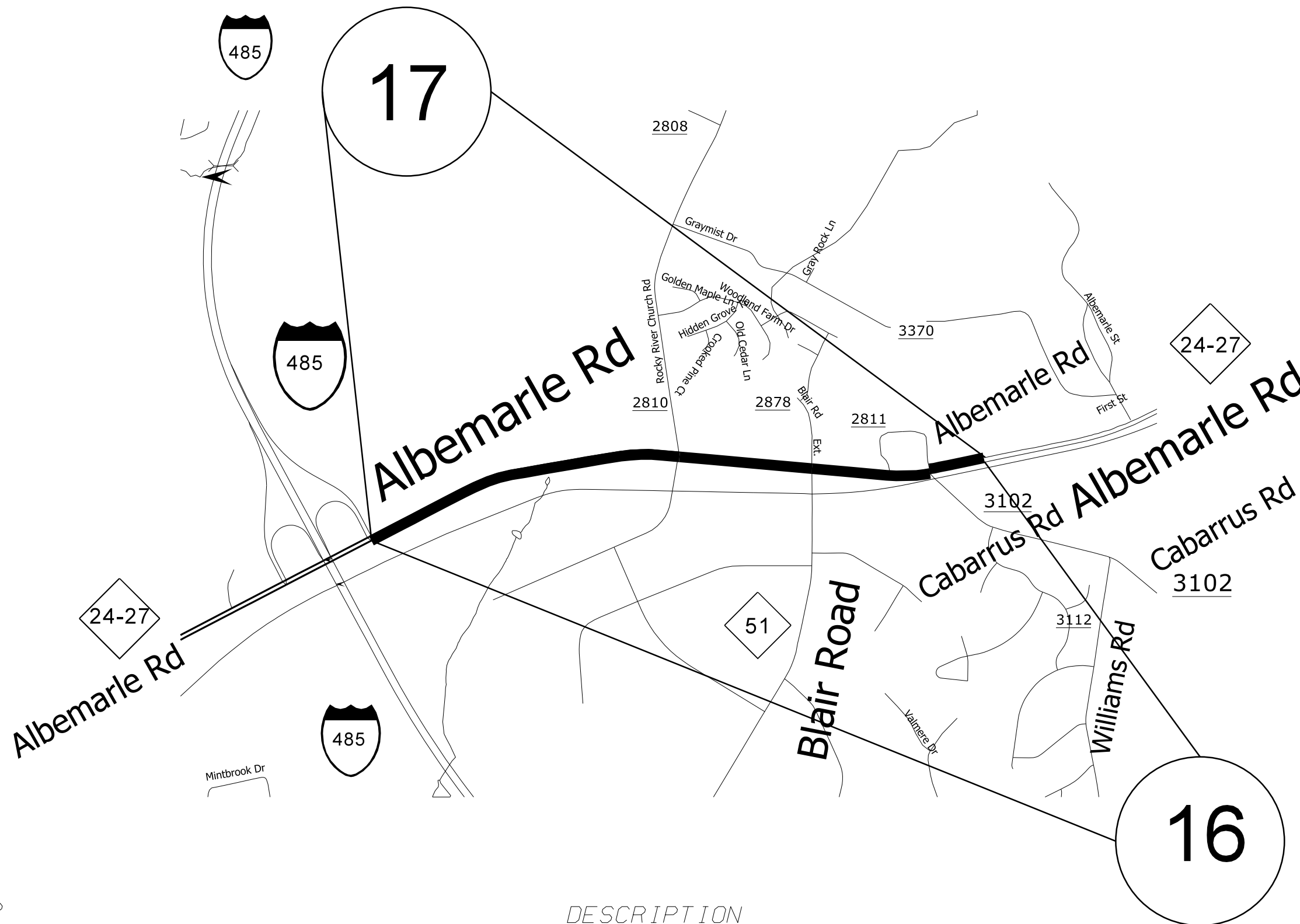
- # 14 SR 2828 Rocky River Road
- # 15 SR 2828 Rocky River Road

FROM Pvt Joint at Morton Hall Rd to SR 2976 Grier Rd.
 From SR 2976 Grier Rd to Pvt joint past Getalong Rd.

2021 MECKLENBURG COUNTY
RESURFACING

| | | | |
|-----------|-------|---------------------------------------------------------------------------------------|-----------|
| SCALE | -NA- |  | REVISIONS |
| DATE | 01/20 | | |
| DWG. BY | DBH | | |
| DESIGN BY | DBH | | |
| APPROVED | | | |

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| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | | 9 | |
| WBS NO. 2020CPT.10.14.2060/ 2020CPT.10.14.1060/ | | | |



MAP

DESCRIPTION

16 NC 24/27 Albemarle Rd EB Lanes

From the I 485 Bridge to Pvt Joint at Clear Creek Elem.

17 NC 24/27 Albemarle Rd WB Lanes

From the Pvt Joint at Clear Creek Elem to I 485 Bridge.

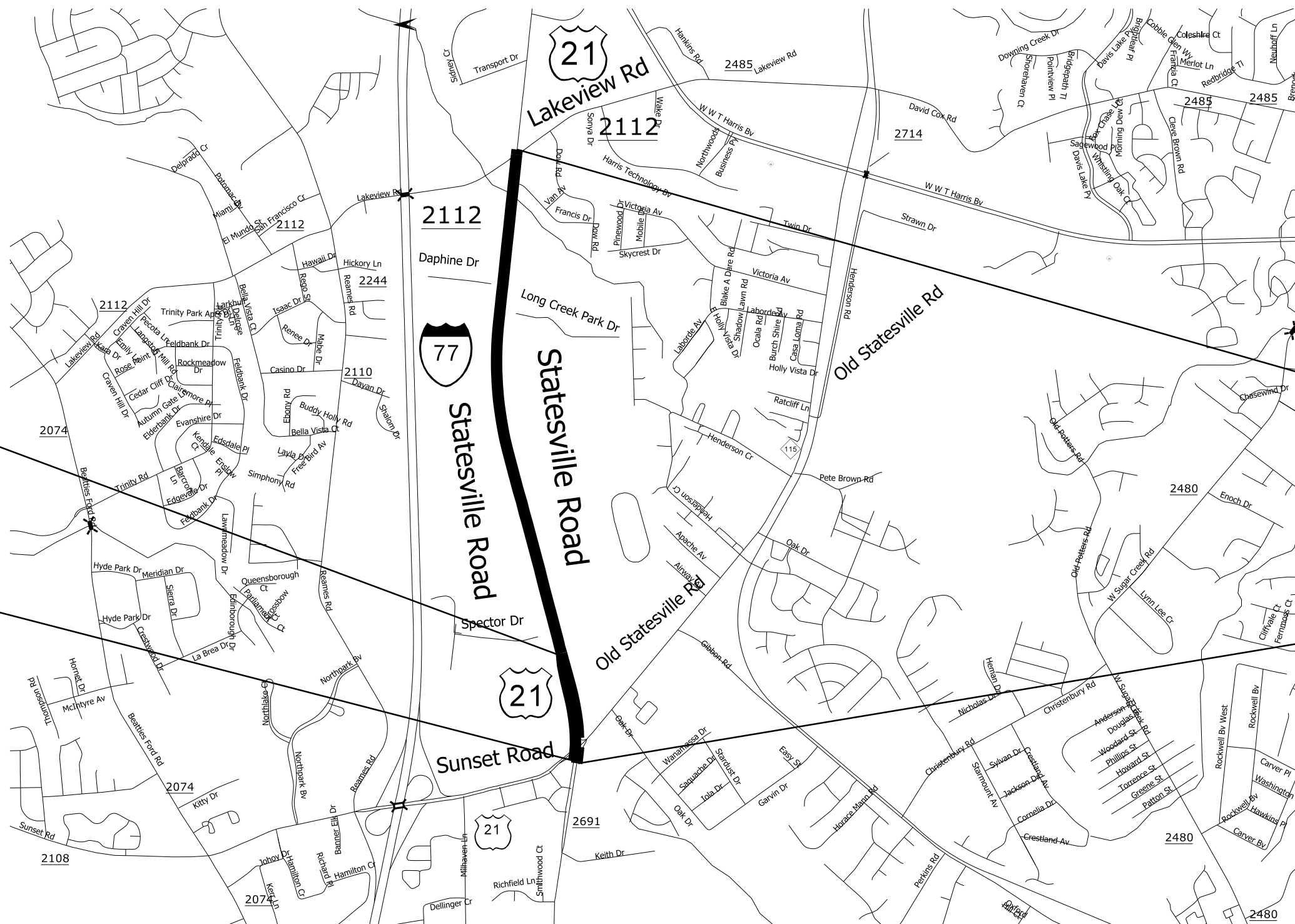
2021 MECKLENBURG COUNTY
RESURFACING

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| DATE | 01/20 | | |
| DWG. BY | DBH | | |
| DESIGN BY | DBH | | |
| APPROVED | | | |

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|---------|--------------------------------------------|-----------|--------------|
| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | | 10 | |
| WBS NO. | 2020CPT.J0.I4.20601 2020CPT.J0.I4.I0601 | | |

18

19




MAP

- # 18 US 21 Statesville Road SB Lanes
- # 19 US 21 Statesville Road NB Lanes

DESCRIPTION

FROM From Divided Grass med N of Sunset to Pvt Joint S of Sunset.
 From Pvt Joint S of Sunset to through intersection of SR 2112 Lakeview Rd.

| 2021 MECKLENBURG COUNTY RESURFACING | | | | | | | | | | |
|----------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--|--|--|--|--|--|--|
| SCALE | -NA- |  | | | | | | | | |
| DATE | 01/20 | | | | | | | | | |
| DWG. BY | DBH | | | | | | | | | |
| DESIGN BY | DBH | | | | | | | | | |
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| REVISIONS | | | | | | | | | | |
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| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | | // | |
| WBS NO. | 2020CPT.10.14.20601 2020CPT.10.14.10601 | | |



20

MAP

#20 NC 16 Providence Rd.

DESCRIPTION

FROM Hanson Drive to SR 3815 Queens Rd.

2021 MECKLENBURG COUNTY
RESURFACING

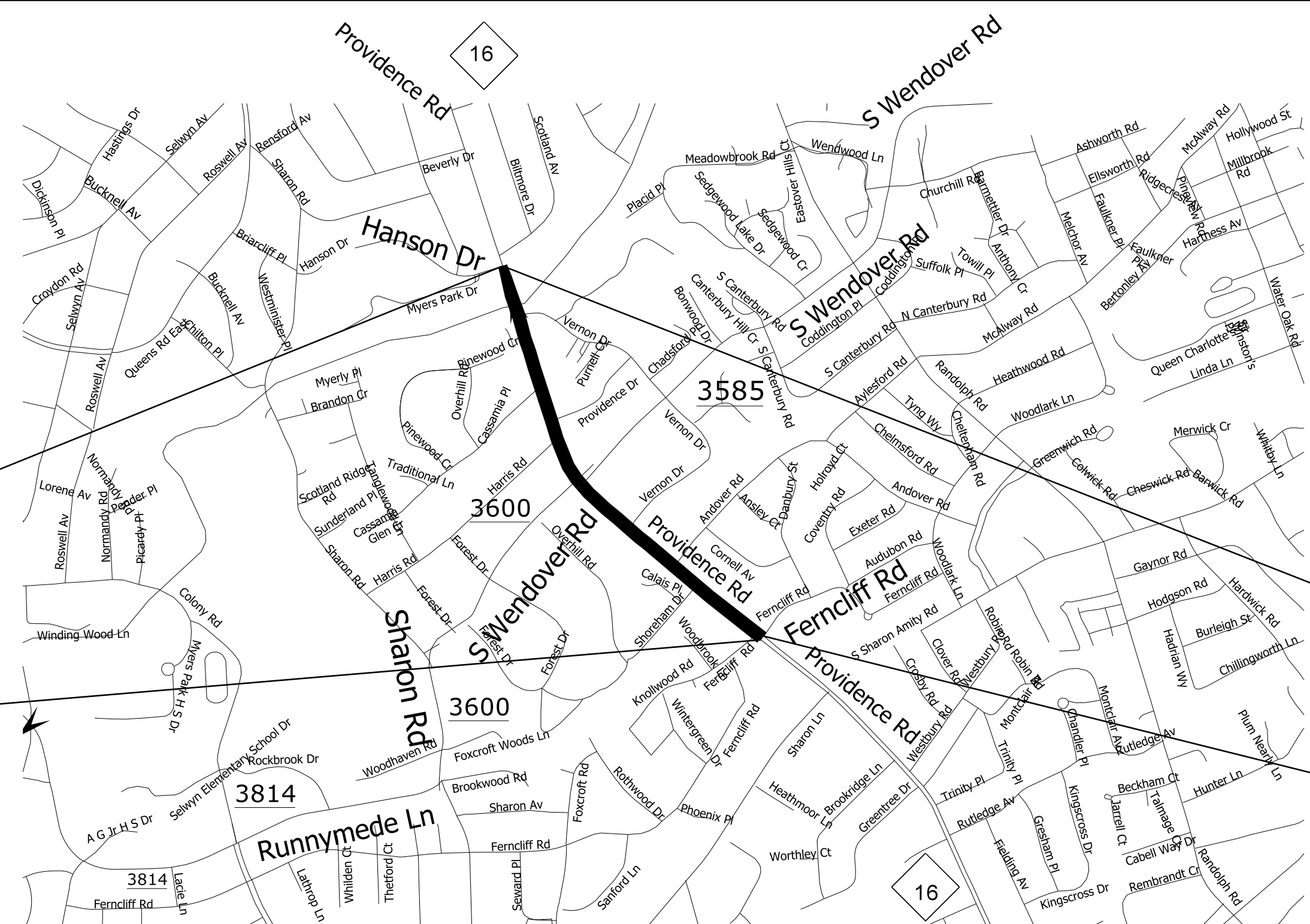
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| DATE | 01/20 | | |
| DWG. BY | DBH | | |
| DESIGN BY | DBH | | |
| APPROVED | | | |

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|---------|--------------------------------------------|-----------|--------------|
| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | | 12 | |
| WBS NO. | 2020CPT.10.14.20601 2020CPT.10.14.10601 | | |



21

22




MAP

DESCRIPTION

#21 NC 16 Providence Rd SB.
#22 NC 16 Providence Rd NB.

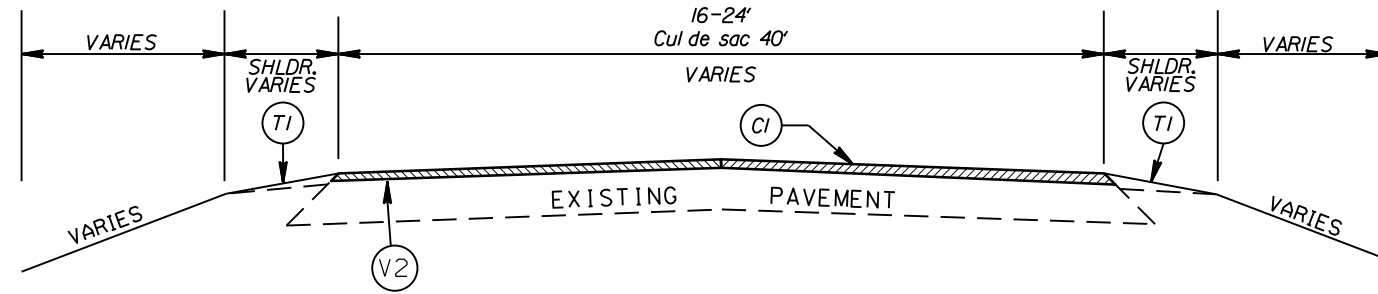
From Hanson Dr to Ferncliff Rd.
From Ferncliff Rd to Hanson Dr.

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| 2021 MECKLENBURG COUNTY RESURFACING | |  | REVISIONS |
| SCALE | -NA- | | |
| DATE | 01/20 | | |
| DWG. BY | DBH | | |
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| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | | 13 | |
| WBS NO. | 2020CPT.10.14.10601 2020CPT.10.14.20601 | | |

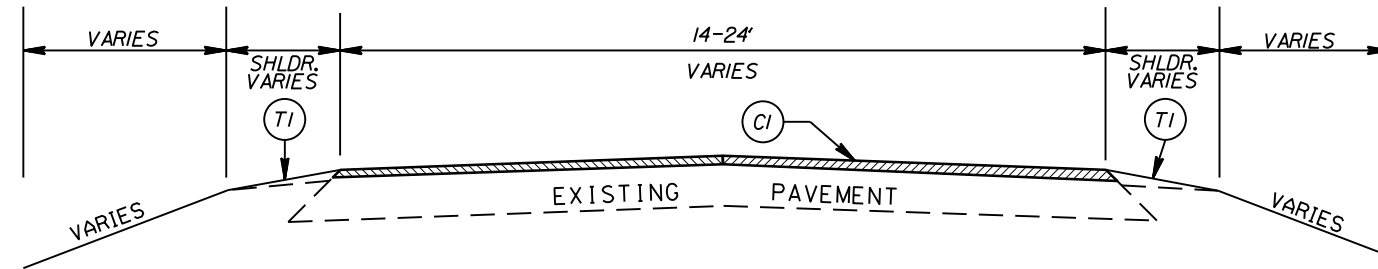
| PAVEMENT SCHEDULE | |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| C1 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. |
| C2 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| C3 | PROP. ASPHALT SURFACE TREATMENT, Double Seal; BOTTOM LAYER #78M at 18 LBS/SY, 0.30 GALS./SY; Top Layer #14M Stone at 10 LBS/SY, 0.25 Gals/SY. |
| E1 | PROP. APPROX. 8.0" ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. IN 2-4" LAYERS. Widening by other forces. |
| F1 | PROPOSED FULL DEPTH RECLAMATION AT A DEPTH OF 12 INCHES WITH PORTLAND CEMENT TREATED BASE AT AN AVERAGE RATE OF 64 LBS/SY. |
| S | ABC TO BE PLACED 8" IN DEPTH ON THE SHOULDER OF THE EXISTING PAVEMENT TO REACH A FINAL WIDTH OF 20'. |
| T1 | SHOULDER RECONSTRUCTION |
| T2 | SHOULDER CONSTRUCTION |
| V1 | PROFILE MILLING 0" TO 1.5" |
| V2 | MILLING 1.5" DEPTH |

PARKRIDGE DRIVE
WILLILYN LANE
PARKAY PLACE



TYPICAL SECTION NO. 1

HUNTWOOD DRIVE
GLENN TEAGUE ROAD



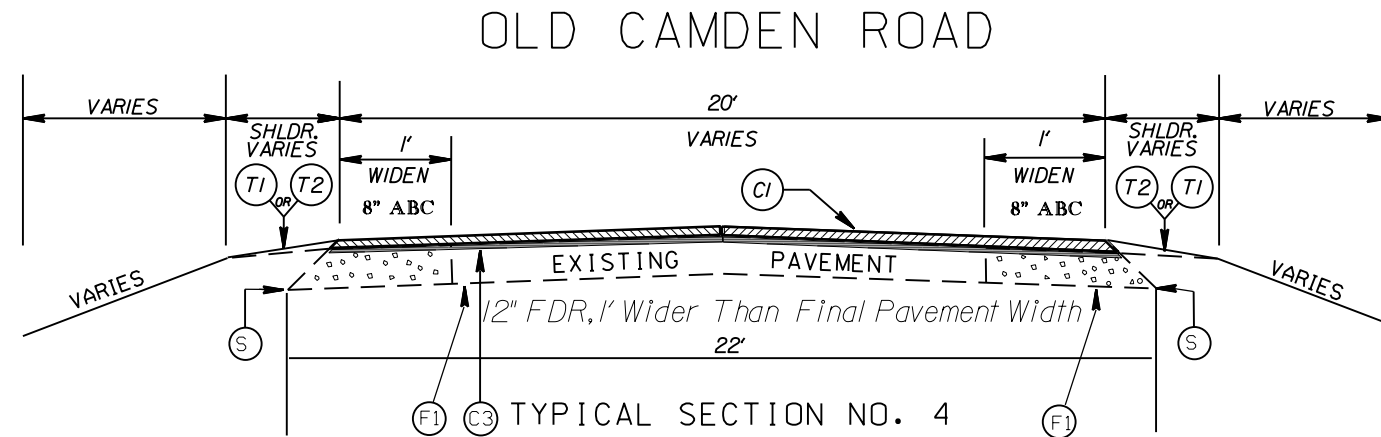
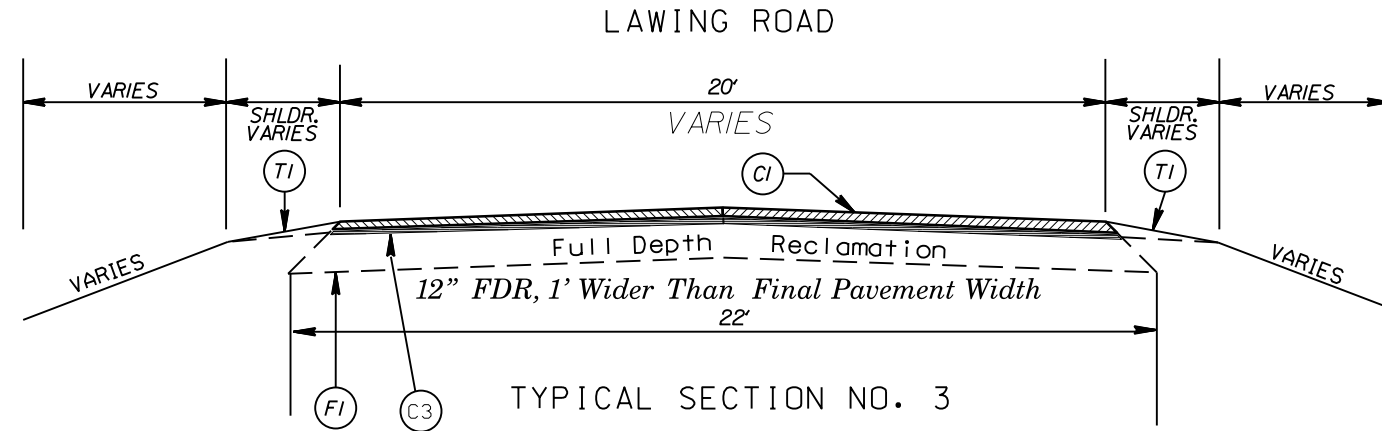
TYPICAL SECTION NO. 2

2021 MECKLENBURG COUNTY
RESURFACING

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| SCALE | -NA- | | REVISIONS |
| DATE | 01/20 | | |
| DWG. BY | DBH | | |
| DESIGN BY | DBH | | |
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| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | | 14 | |
| WBS NO. | 2020CPT. 10. 14. 10601 2020CPT. 10. 14. 20601 | | |

| PAVEMENT SCHEDULE | |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| C1 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. |
| C2 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| C3 | PROP. ASPHALT SURFACE TREATMENT, Double Seal; BOTTOM LAYER #78M at 18 LBS/SY, 0.30 GAL/SY; Top Layer #14M Stone at 10 LBS/SY, 0.25 Gal/SY. |
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| S | ABC TO BE PLACED 8" IN DEPTH ON THE SHOULDER OF THE EXISTING PAVEMENT TO REACH A FINAL WIDTH OF 20'. |
| T1 | SHOULDER RECONSTRUCTION |
| T2 | SHOULDER CONSTRUCTION |
| V1 | PROFILE MILLING 0" TO 1.5" |
| V2 | MILLING 1.5" DEPTH |



2021 MECKLENBURG COUNTY
RESURFACING

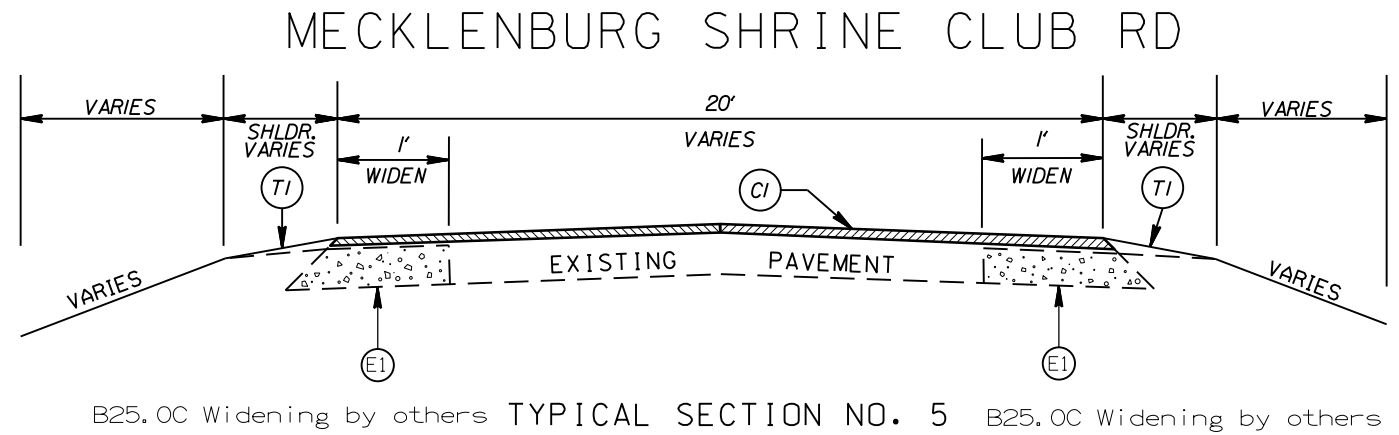
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| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | | 15 | |
| WBS NO. | 2020CPT. 10.14.10601 2020CPT. 10.14.20601 | | |

| PAVEMENT SCHEDULE | |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| C1 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. |
| C2 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| C3 | PROP. ASPHALT SURFACE TREATMENT, Double Seal; BOTTOM LAYER #78M at 18 LBS/SY, 0.30 GALS./SY; Top Layer #14M Stone at 10 LBS/SY, 0.25 Gals/SY. |
| E1 | PROP. APPROX. 8.0" ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. IN 2-4" LAYERS. Widening by other forces. |
| F1 | PROPOSED FULL DEPTH RECLAMATION AT A DEPTH OF 12 INCHES WITH PORTLAND CEMENT TREATED BASE AT AN AVERAGE RATE OF 64 LBS/SY. |
| S | ABC TO BE PLACED 8" IN DEPTH ON THE SHOULDER OF THE EXISTING PAVEMENT TO REACH A FINAL WIDTH OF 20'. |
| T1 | SHOULDER RECONSTRUCTION |
| T2 | SHOULDER CONSTRUCTION |
| V1 | PROFILE MILLING 0" TO 1.5" |
| V2 | MILLING 1.5" DEPTH |



2021 MECKLENBURG COUNTY
RESURFACING

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| SCALE | -NA- |
| DATE | 01/20 |
| DWG. BY | DBH |
| DESIGN BY | DBH |
| APPROVED | |

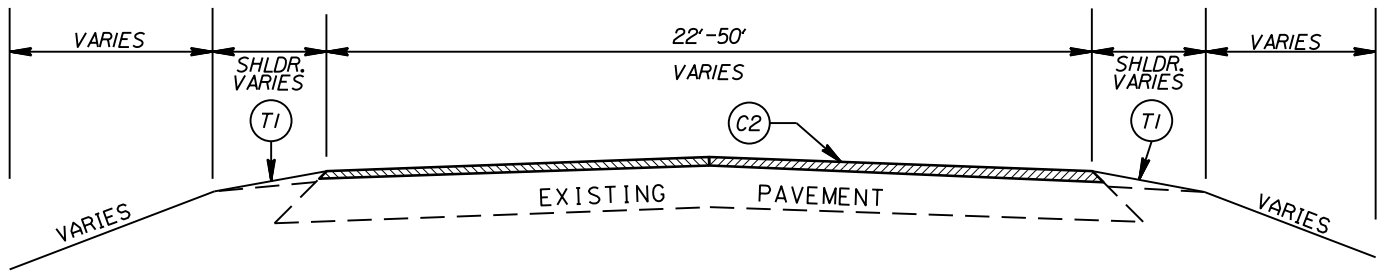


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| WBS NO. | 2020CPT. 10.14.10601 2020CPT. 10.14.20601 | | |

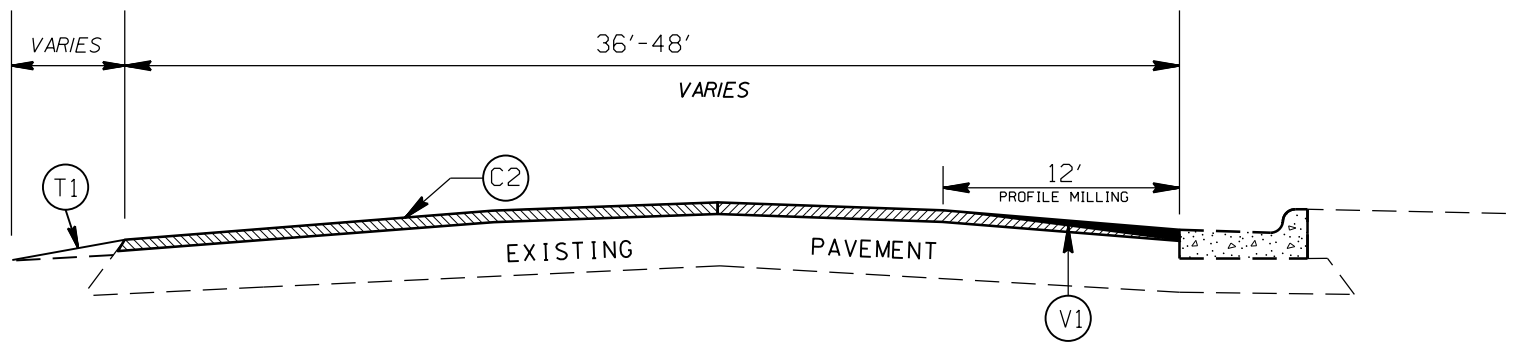
| PAVEMENT SCHEDULE | |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| C1 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. |
| C2 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| C3 | PROP. ASPHALT SURFACE TREATMENT, Double Seal; BOTTOM LAYER #78M at 18 LBS/SY, 0.30 GAL/S./SY; Top Layer #14M Stone at 10 LBS/SY, 0.25 Gal/S/SY. |
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| T1 | SHOULDER RECONSTRUCTION |
| T2 | SHOULDER CONSTRUCTION |
| V1 | PROFILE MILLING 0" TO 1.5" |
| V2 | MILLING 1.5" DEPTH |

FERGUSON ROAD
SAM WILSON RD
OAKDALE RD
GILEAD RD
ROCKY RIVER RD




TYPICAL SECTION NO. 6

GILEAD RD
ROCKY RIVER RD



TYPICAL SECTION NO. 7

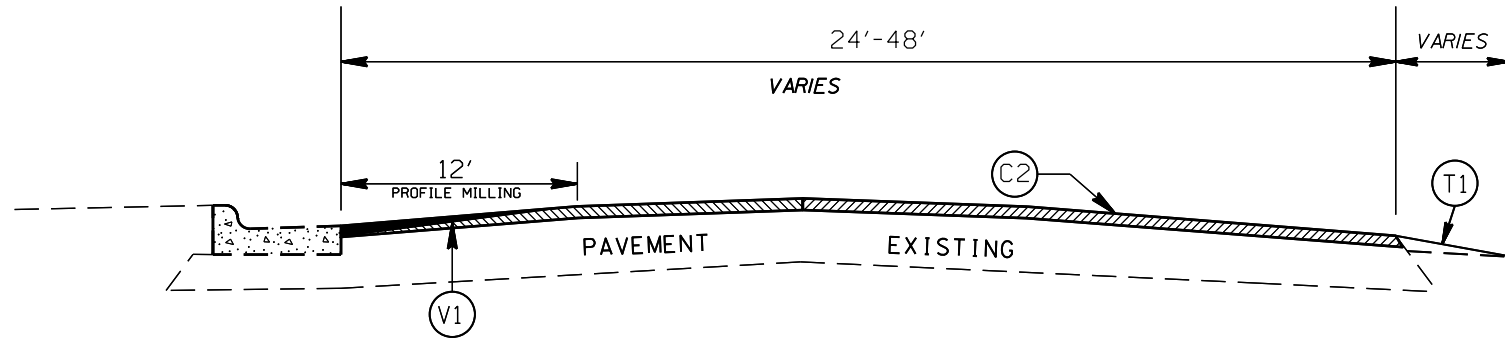
2021 MECKLENBURG COUNTY
RESURFACING

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| SCALE | -NA- |  | REVISIONS |
| DATE | 01/20 | | |
| DWG. BY | DBH | | |
| DESIGN BY | DBH | | |
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|---------|----------------------------------------------|-----------|--------------|
| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | | 17 | |
| WBS NO. | 2020CPT. 10.14.10601 2020CPT. 10.14.20601 | | |

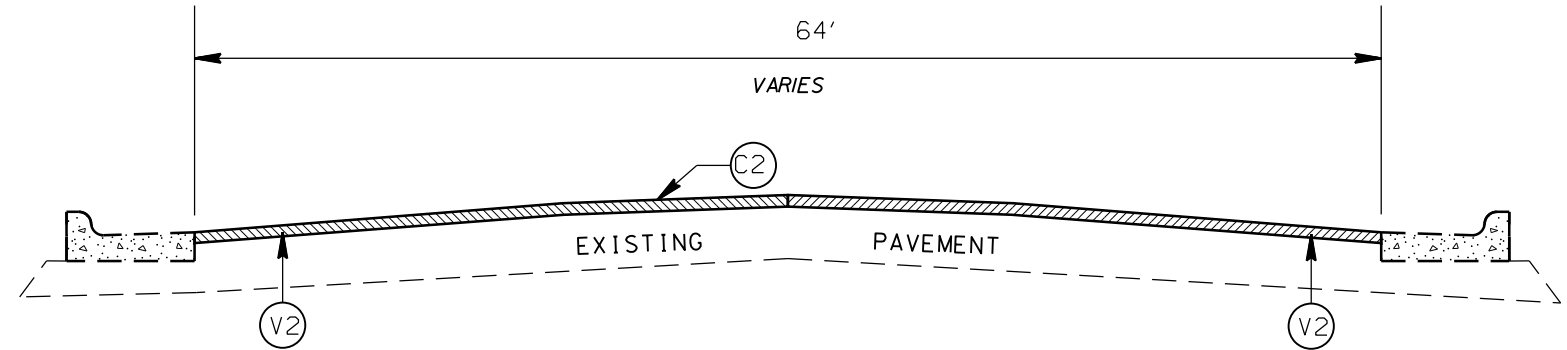
SAM WILSON RD
FERGUSON RD
GILEAD RD
ROCKY RIVER RD (MAPS 14&15)

| PAVEMENT SCHEDULE | |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| C1 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. |
| C2 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
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| T1 | SHOULDER RECONSTRUCTION |
| T2 | SHOULDER CONSTRUCTION |
| V1 | PROFILE MILLING 0" TO 1.5" |
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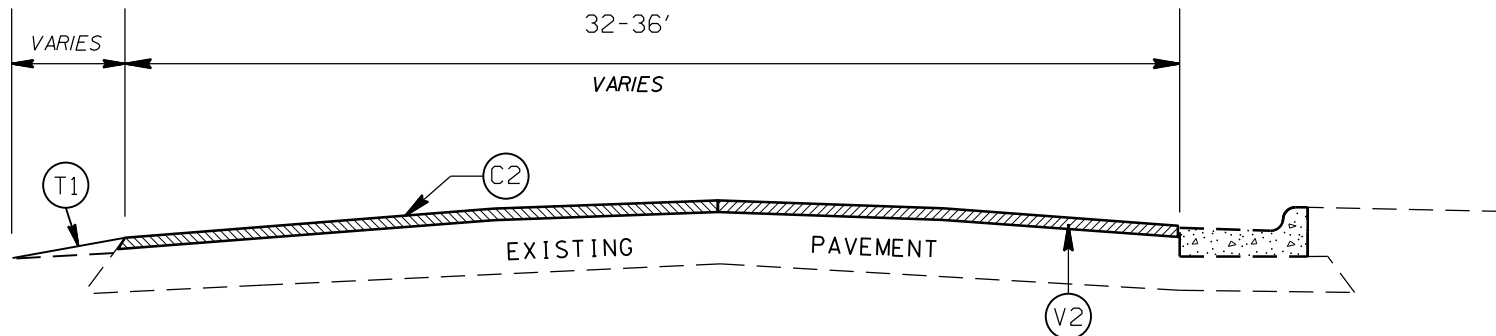
TYPICAL SECTION NO. 8

MT HOLLY HUNTERSVILLE RD



TYPICAL SECTION NO. 9

MT HOLLY HUNTERSVILLE RD



TYPICAL SECTION NO. 10

2021 MECKLENBURG COUNTY
RESURFACING

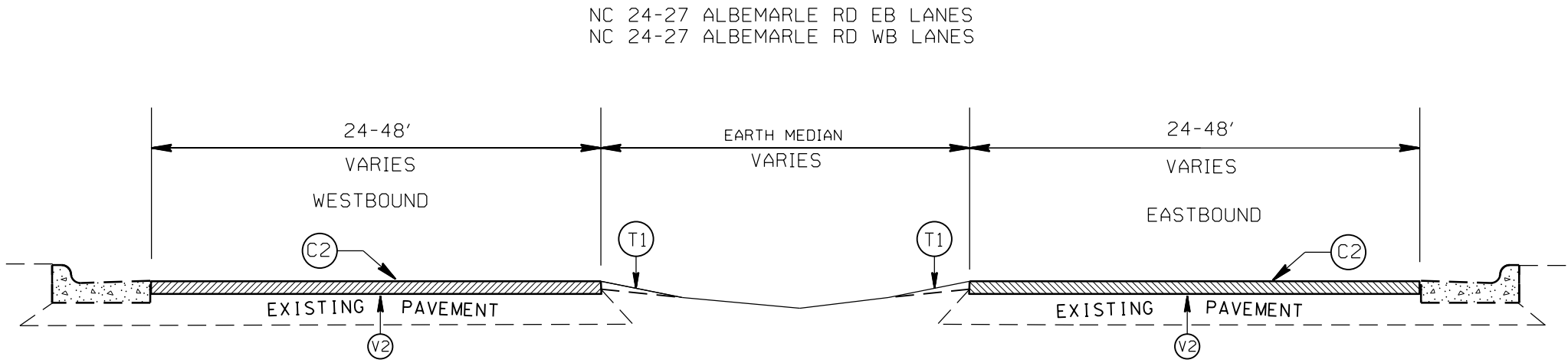
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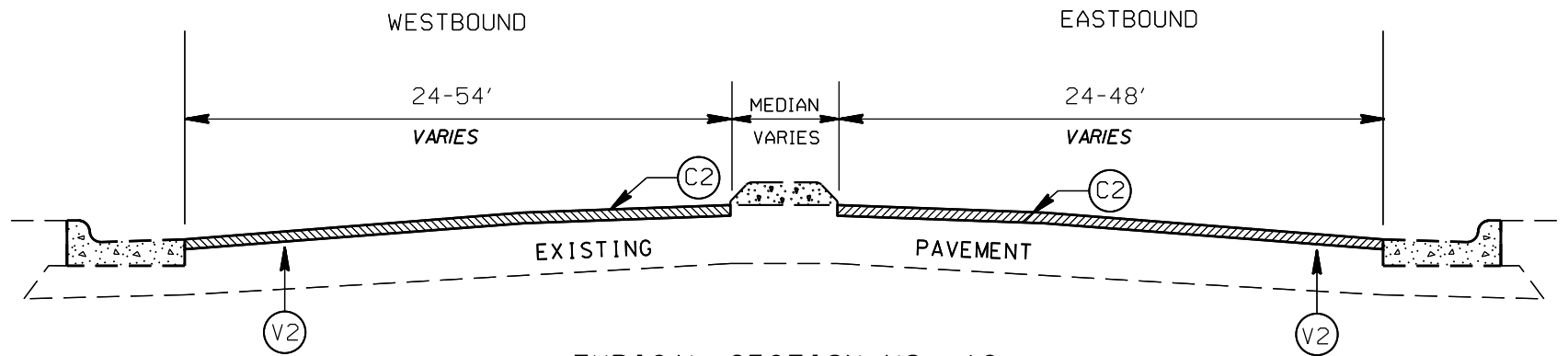
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| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | | 18 | |
| WBS NO. | 2020CPT. 10.14.10601 2020CPT. 10.14.20601 | | |

| PAVEMENT SCHEDULE | |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| C1 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. |
| C2 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| C3 | PROP. ASPHALT SURFACE TREATMENT, Double Seal; BOTTOM LAYER #78M at 18 LBS/SY, 0.30 GALS./SY; Top Layer #14M Stone at 10 LBS/SY, 0.25 Gals/SY. |
| E1 | PROP. APPROX. 8.0" ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. IN 2-4" LAYERS. Widening by other forces. |
| F1 | PROPOSED FULL DEPTH RECLAMATION AT A DEPTH OF 12 INCHES WITH PORTLAND CEMENT TREATED BASE AT AN AVERAGE RATE OF 64 LBS/SY. |
| S | ABC TO BE PLACED 8" IN DEPTH ON THE SHOULDER OF THE EXISTING PAVEMENT TO REACH A FINAL WIDTH OF 20'. |
| T1 | SHOULDER RECONSTRUCTION |
| T2 | SHOULDER CONSTRUCTION |
| V1 | PROFILE MILLING 0" TO 1.5" |
| V2 | MILLING 1.5" DEPTH |



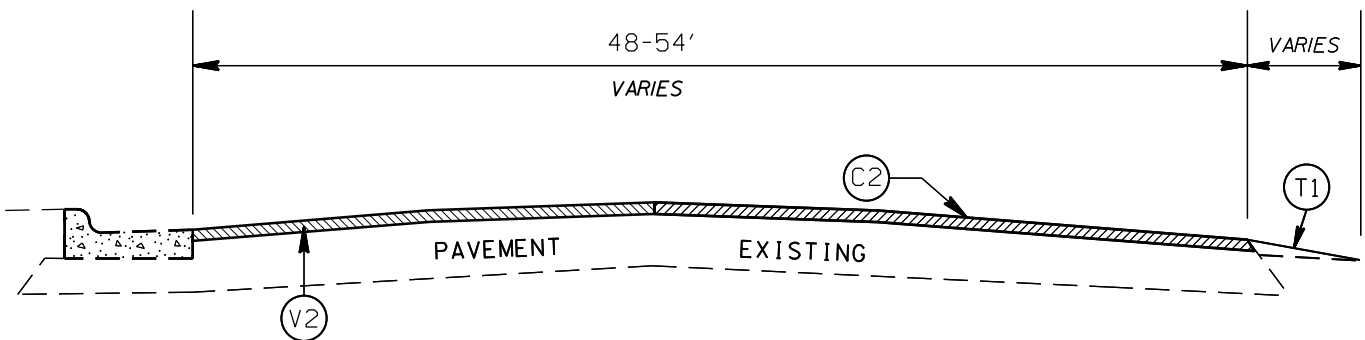
TYPICAL SECTION NO. 11

NC 24-27 ALBEMARLE RD EB
NC 24-27 ALBEMARLE RD WB



TYPICAL SECTION NO. 12

MT HOLLY HUNTERSVILLE RD



TYPICAL SECTION NO. 13

2020 MECKLENBURG COUNTY
RESURFACING

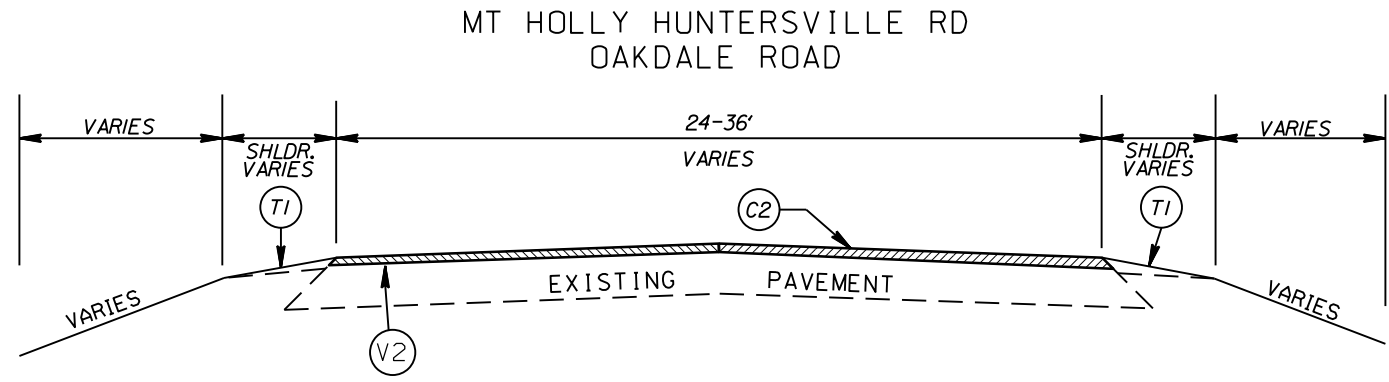
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| DATE | 01/20 |
| DWG. BY | DBH |
| DESIGN BY | DBH |
| APPROVED | |



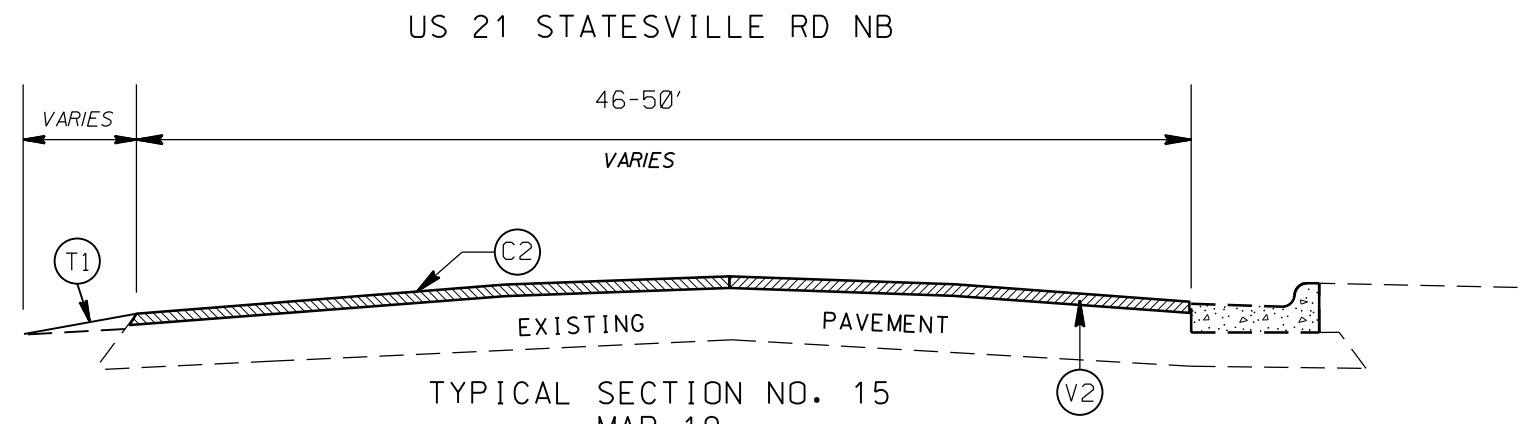
| REVISIONS | |
|-----------|--|
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| | | | |
|---------|----------------------------------------------|-----------|--------------|
| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | | 19 | |
| WBS NO. | 2020CPT. 10.14.10601 2020CPT. 10.14.20601 | | |

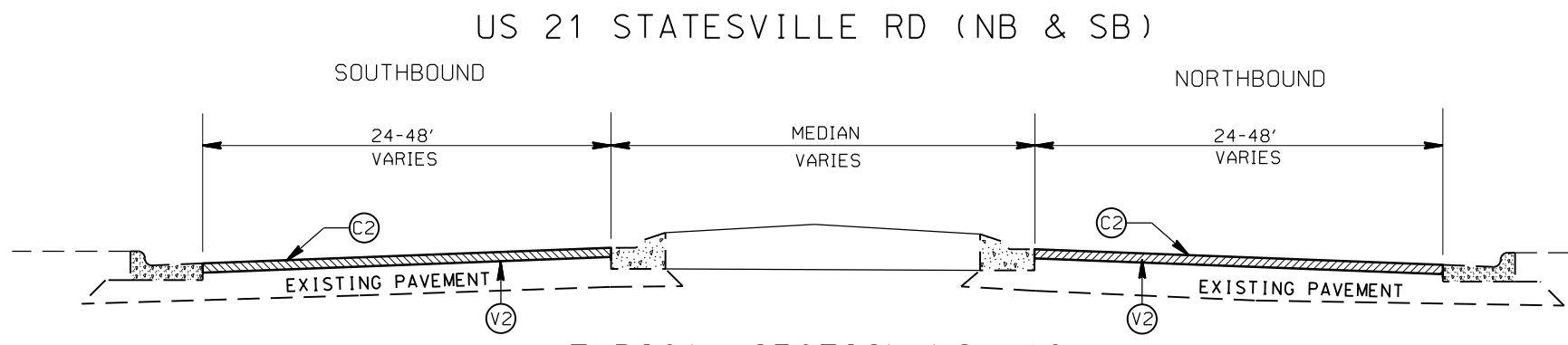
| PAVEMENT SCHEDULE | |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| C1 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. |
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| C3 | PROP. ASPHALT SURFACE TREATMENT, Double Seal; BOTTOM LAYER #78M at 18 LBS/SY, 0.30 GALS./SY; Top Layer #14M Stone at 10 LBS/SY, 0.25 Gals/SY. |
| E1 | PROP. APPROX. 8.0" ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. IN 2-4" LAYERS. Widening by other forces. |
| F1 | PROPOSED FULL DEPTH RECLAMATION AT A DEPTH OF 12 INCHES WITH PORTLAND CEMENT TREATED BASE AT AN AVERAGE RATE OF 64 LBS/SY. |
| S | ABC TO BE PLACED 8" IN DEPTH ON THE SHOULDER OF THE EXISTING PAVEMENT TO REACH A FINAL WIDTH OF 20'. |
| T1 | SHOULDER RECONSTRUCTION |
| T2 | SHOULDER CONSTRUCTION |
| V1 | PROFILE MILLING 0" TO 1.5" |
| V2 | MILLING 1.5" DEPTH |



TYPICAL SECTION NO. 14



TYPICAL SECTION NO. 15
MAP 19



TYPICAL SECTION NO. 16
MAPS 18 & 19

2021 MECKLENBURG COUNTY
RESURFACING

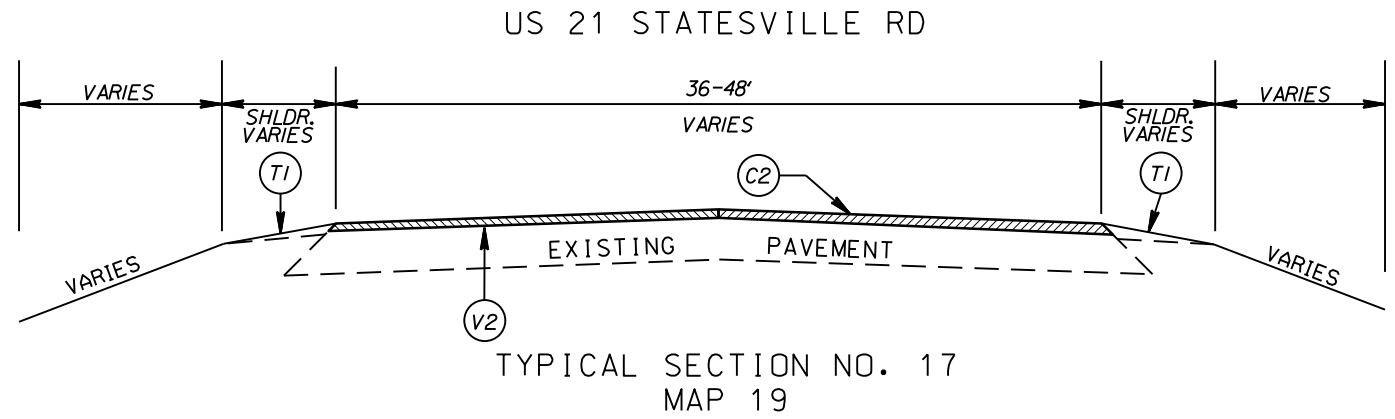
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| DATE | 01/20 |
| DWG. BY | DBH |
| DESIGN BY | DBH |
| APPROVED | |



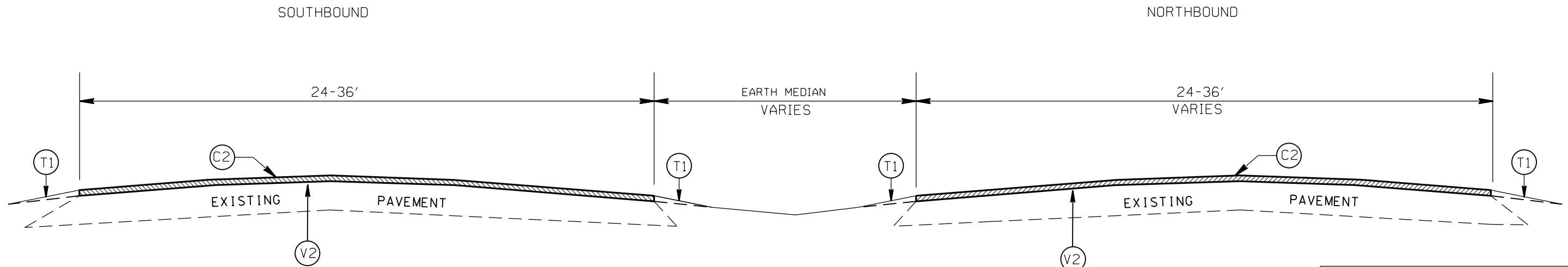
| REVISIONS | |
|-----------|--|
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| | |
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| | | | |
|---------|----------------------------------------------|-----------|--------------|
| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | | 20 | |
| WBS NO. | 2020CPT. 10.14.10601 2020CPT. 10.14.20601 | | |

| PAVEMENT SCHEDULE | |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| C1 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. |
| C2 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| C3 | PROP. ASPHALT SURFACE TREATMENT, Double Seal; BOTTOM LAYER #78M at 18 LBS/SY, 0.30 GALS./SY; Top Layer #14M Stone at 10 LBS/SY, 0.25 Gals/SY. |
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| T2 | SHOULDER CONSTRUCTION |
| V1 | PROFILE MILLING 0" TO 1.5" |
| V2 | MILLING 1.5" DEPTH |



US 21 STATESVILLE RD (NB & SB)

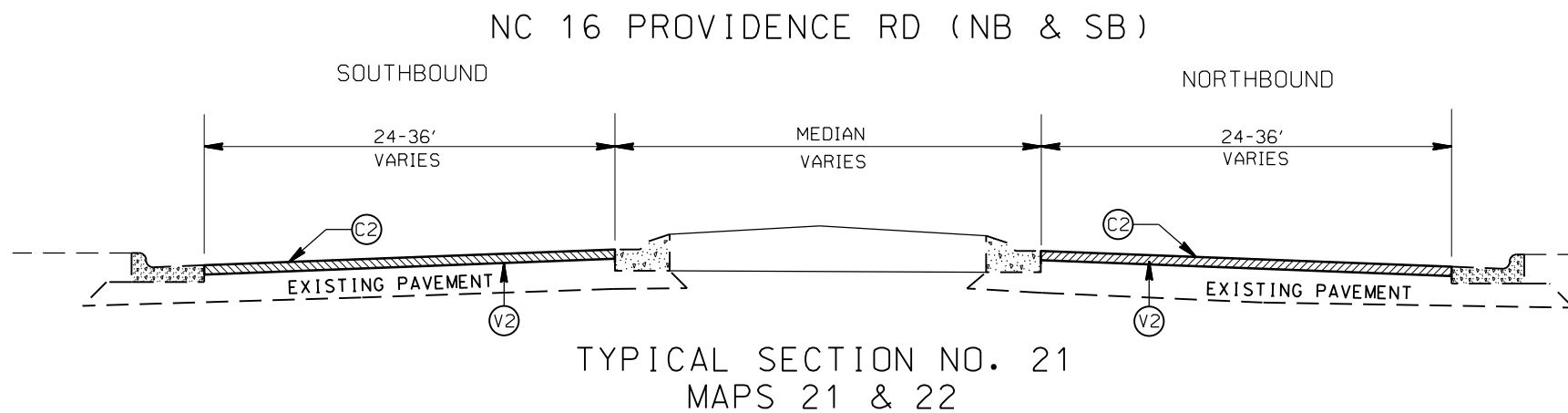
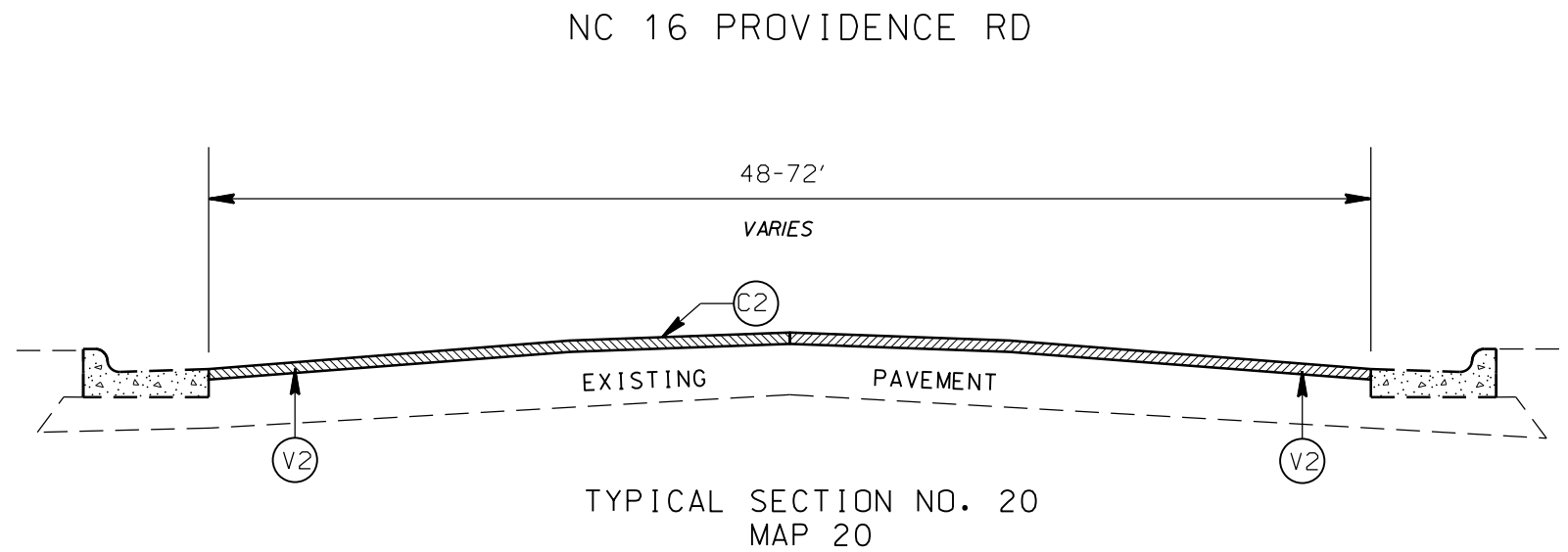
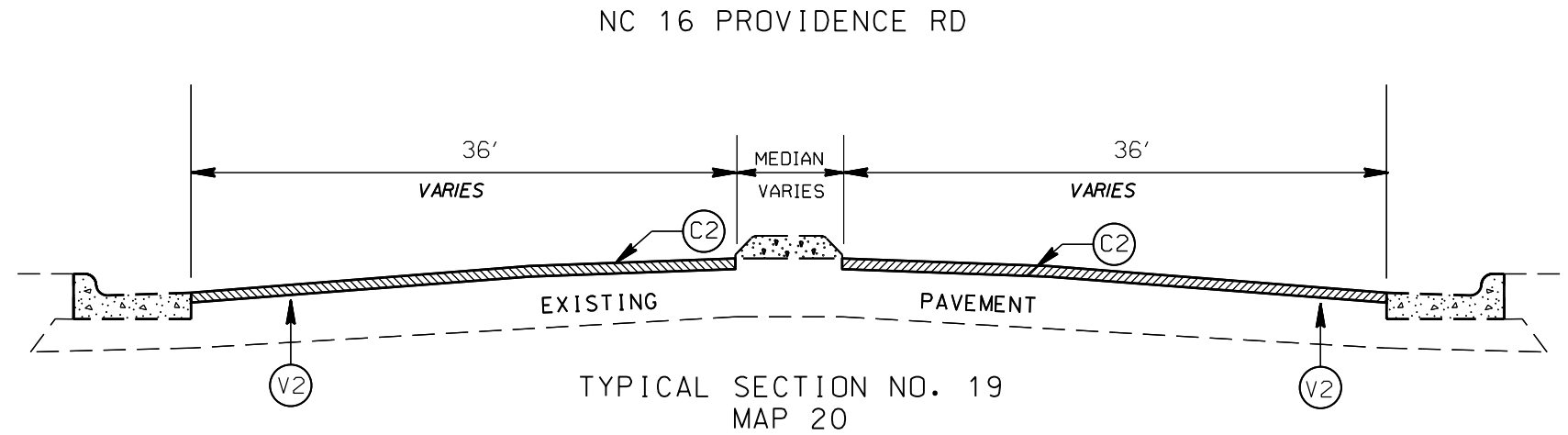


2021 MECKLENBURG COUNTY
RESURFACING

| | | | |
|-----------|-------|--|-----------|
| SCALE | -NA- | | REVISIONS |
| DATE | 01/20 | | |
| DWG. BY | DBH | | |
| DESIGN BY | DBH | | |
| APPROVED | | | |

| | | | |
|----------------------------------------------------|-------------|-----------|--------------|
| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | | 21 | |
| WBS NO. 2020CPT.10.14.10601 2020CPT.10.14.20601 | | | |

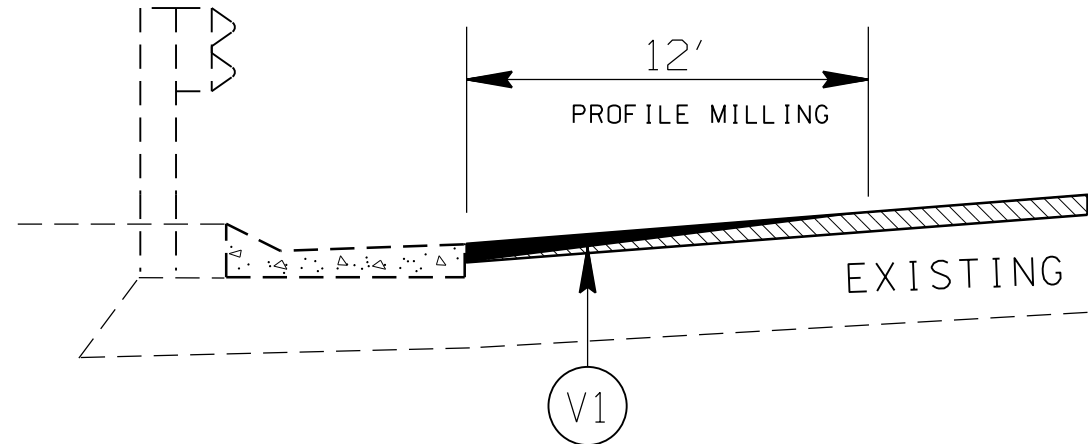
| PAVEMENT SCHEDULE | |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
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| T2 | SHOULDER CONSTRUCTION |
| V1 | PROFILE MILLING 0" TO 1.5" |
| V2 | MILLING 1.5" DEPTH |



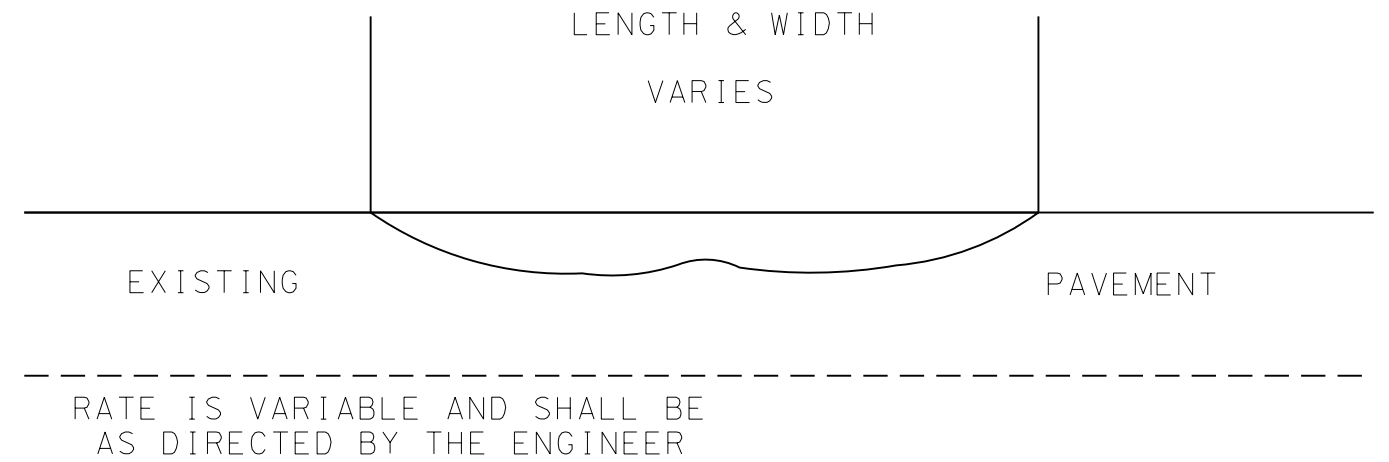
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| 2021 MECKLENBURG COUNTY RESURFACING | | |
| SCALE | -NA- | |
| DATE | 01/20 | |
| DWG. BY | DBH | |
| DESIGN BY | DBH | |
| APPROVED | | |
| | | REVISIONS |
| | | |
| | | |
| | | |

| | | | |
|---------|--------------------------------------------------|-----------|--------------|
| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | | 22 | |
| WBS NO. | 2020CPT. 10. 14. 10601 2020CPT. 10. 14. 20601 | | |

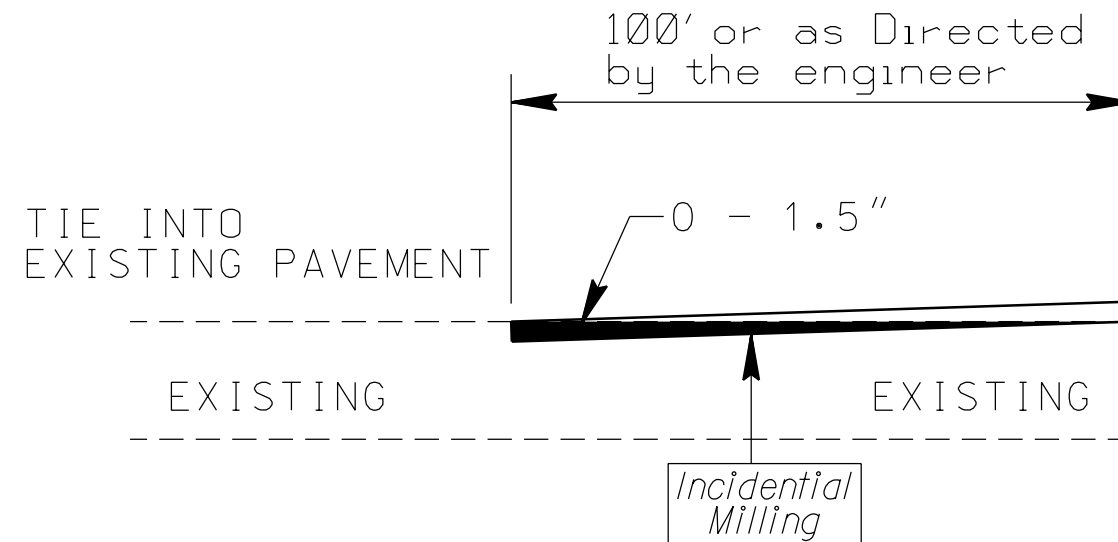
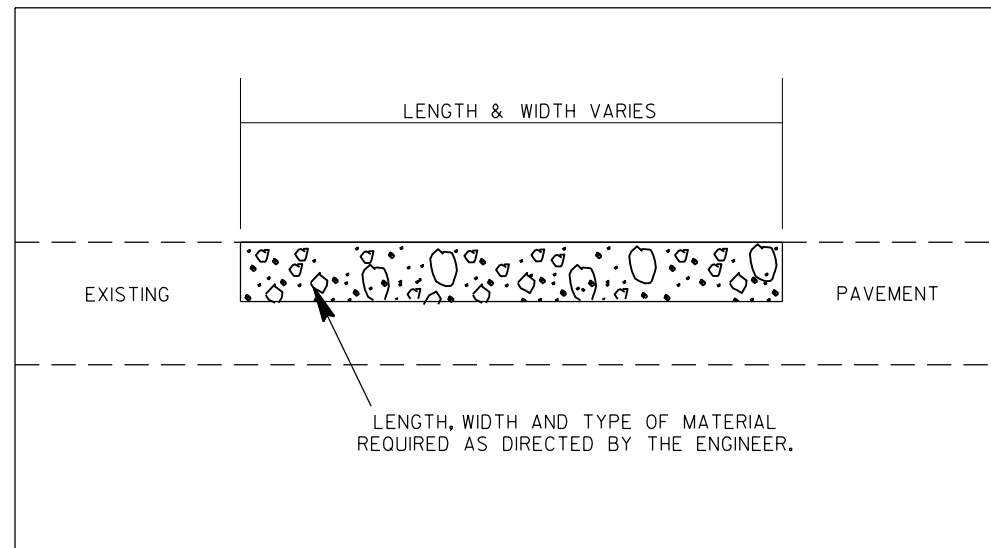
TYPE S9.5C (LEVELING COURSE)
TYPE S9.5B (LEVELING COURSE)



Detail for profile milling (0-1.5")



PATCHING DETAIL



Detail for Incidental Milling

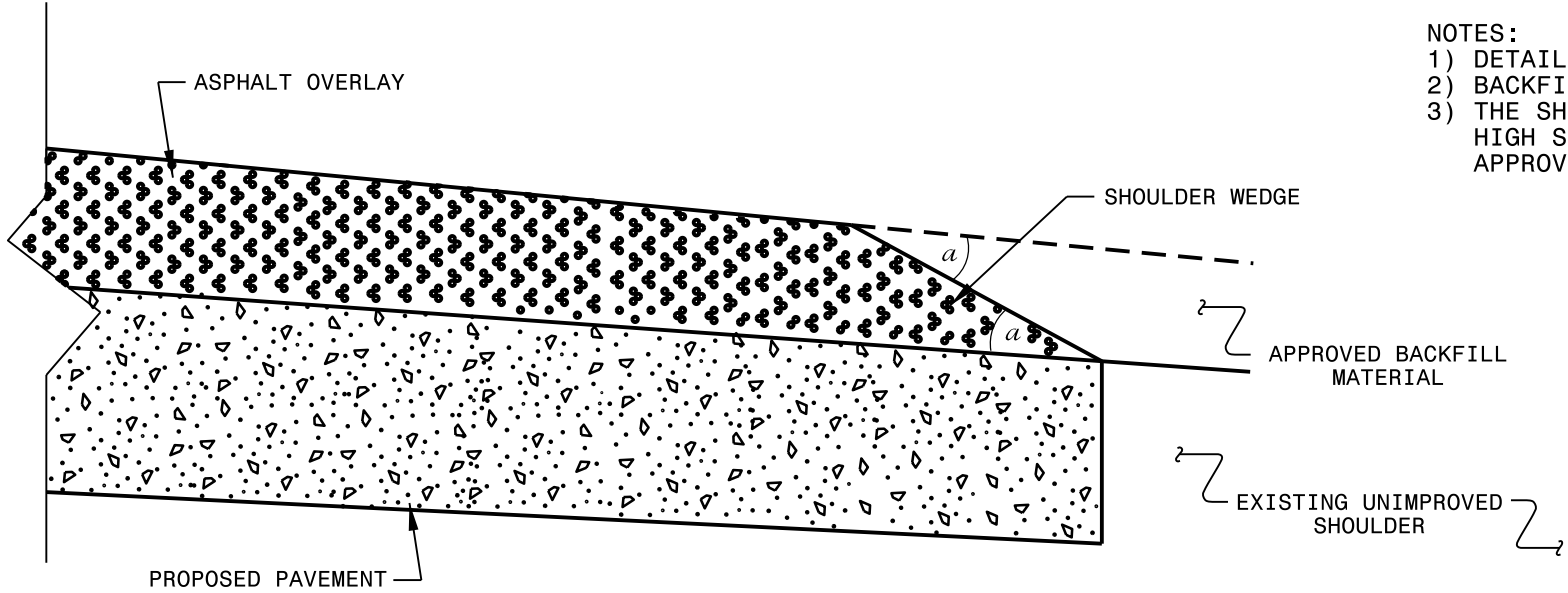
2020 MECKLENBURG COUNTY
RESURFACING

| | | | |
|-----------|-------|--|-----------|
| SCALE | -NA- | | REVISIONS |
| DATE | 01/20 | | |
| DWG. BY | DBH | | |
| DESIGN BY | DBH | | |
| APPROVED | | | |

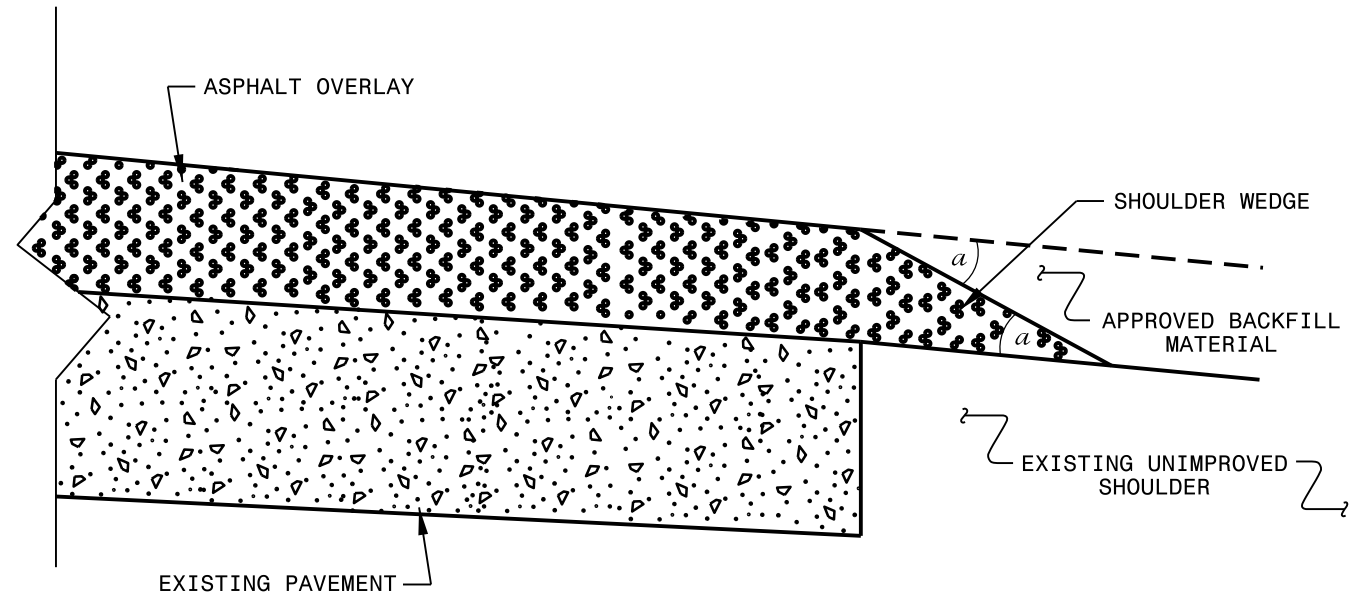
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NOTES:

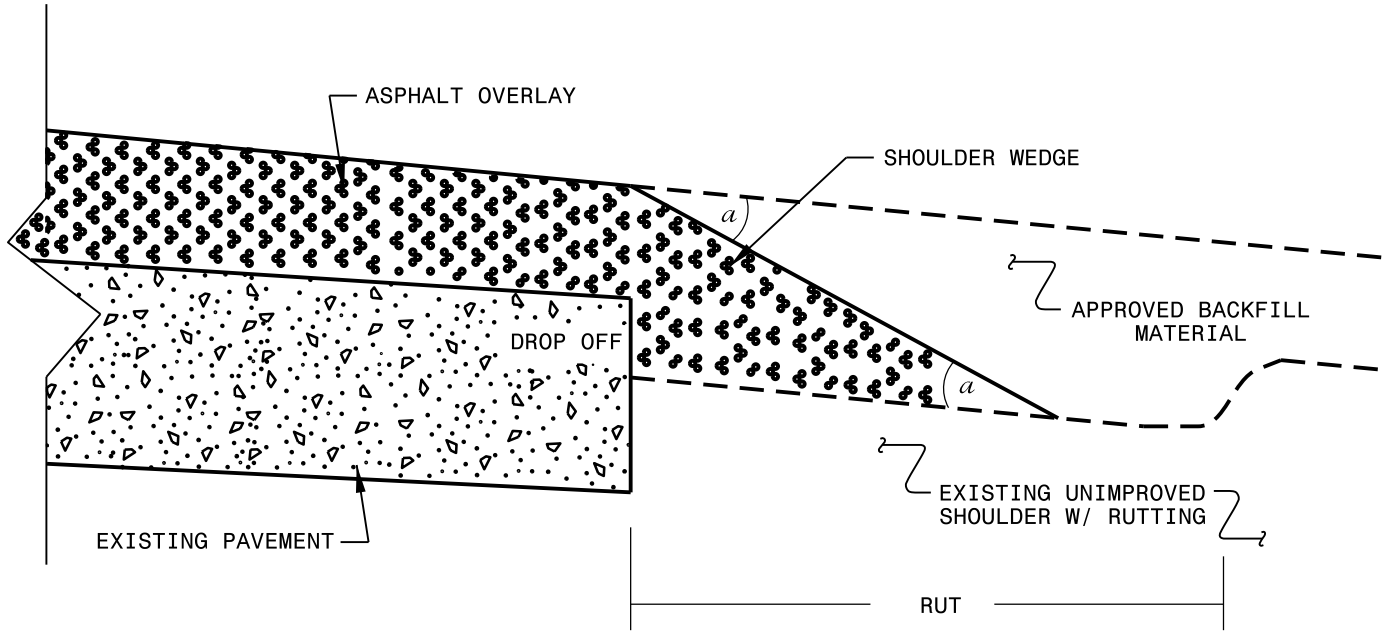
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
- 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
- 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ Widening or
 with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to
 Rutted Shoulder)

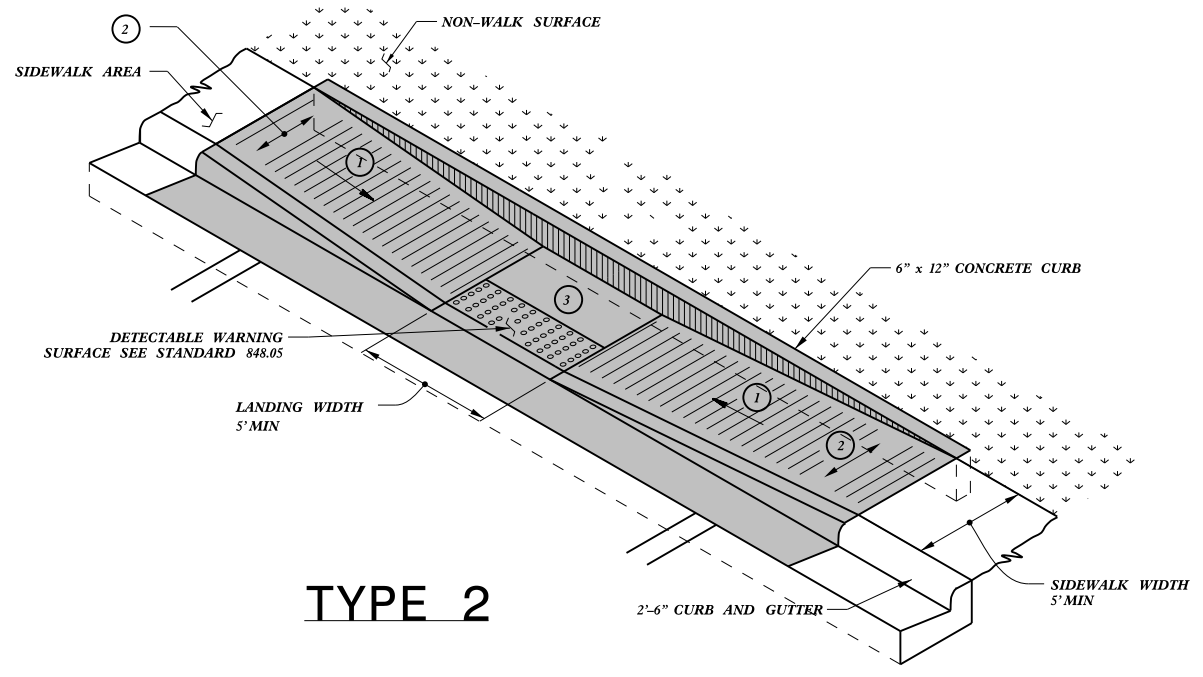
- SHOULDER WEDGE ANGLE = 30°

| | |
|------------------------------------------------------------|---------------|
| CONTRACT STANDARDS AND DEVELOPMENT UNIT | |
| Office 919-707-6950 FAX 919-250-4119 | |
| SHOULDER WEDGE DETAILS | |
| ORIGINAL BY: T.SPELL | DATE: 7-19-11 |
| MODIFIED BY: | DATE: 2/2/16 |
| CHECKED BY: | DATE: |
| FILE SPEC.: s:\usr\detatl1s\stand\shoulderwedgedetatl1.dgn | |

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

\$\$\$\$SYTIME\$\$\$\$
 \$\$\$SERVTIME\$\$\$
 \$\$\$USERNAME\$\$\$

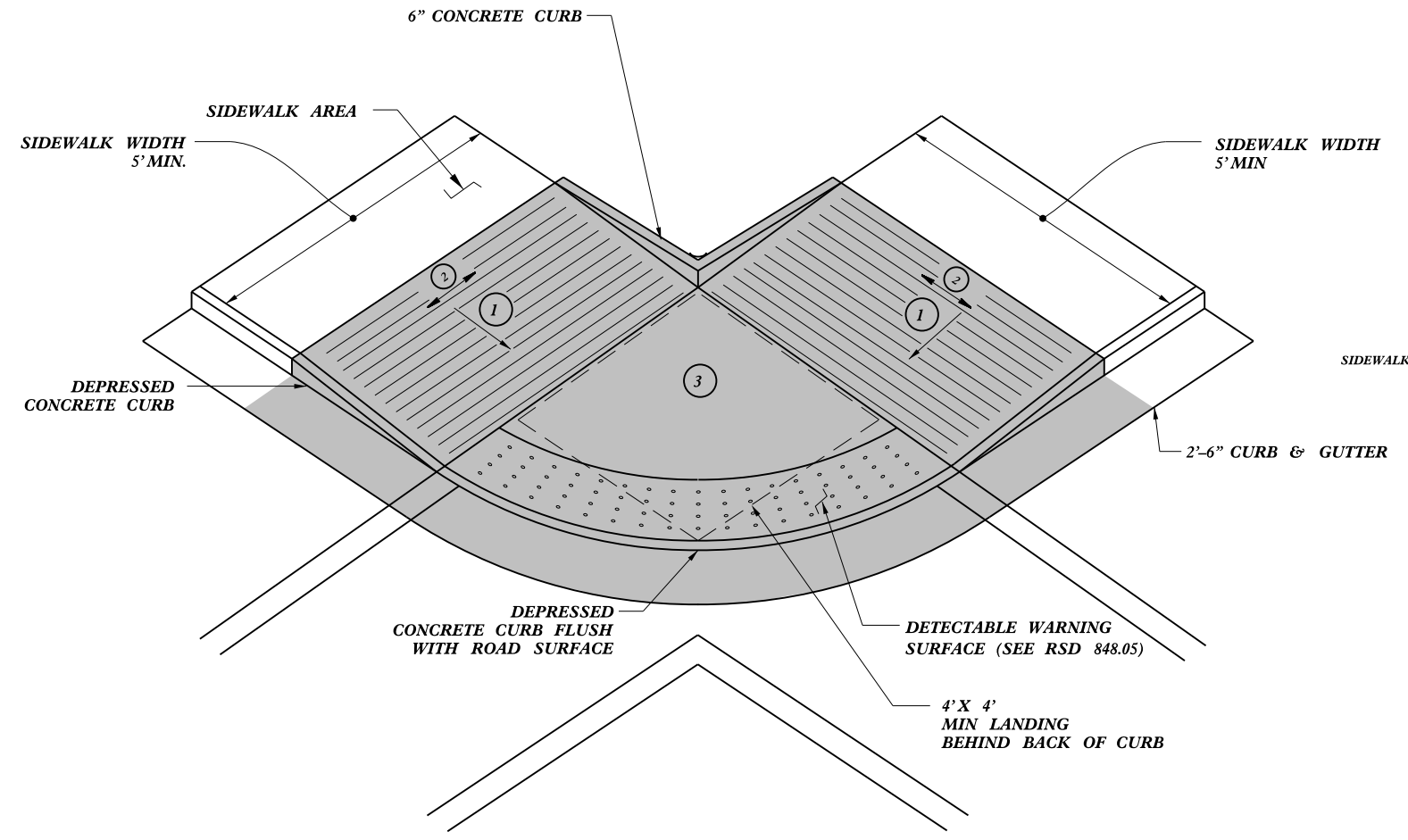
Etc.



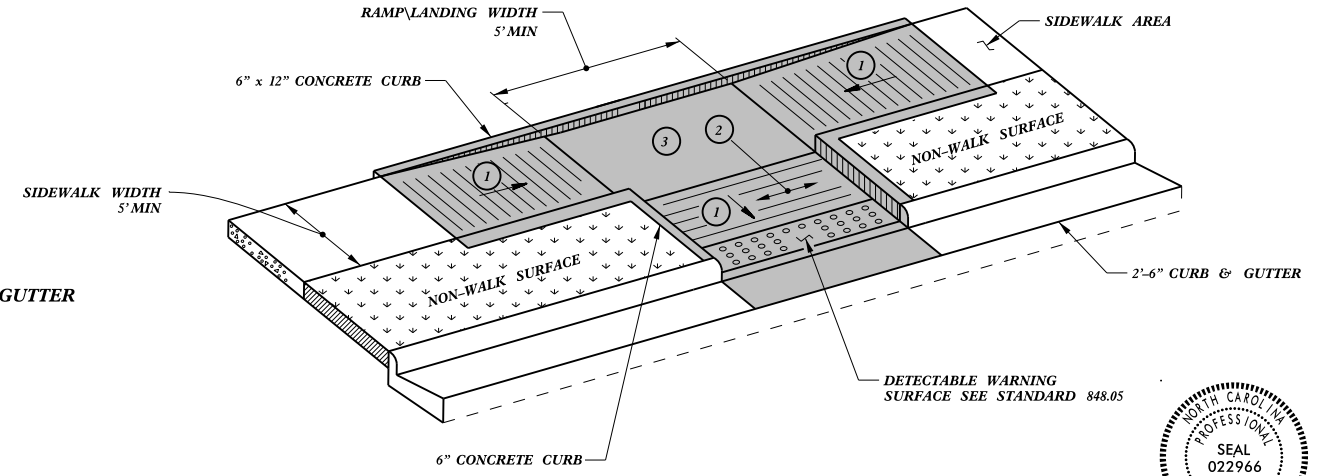
TYPE 2

PAY LIMITS FOR 1 CURB RAMP

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.



TYPE 2A



TYPE 3

11/18/2015



DocuSign
 Joel S. Howerton
 449E8E25522144E

CONTRACT STANDARDS AND DEVELOPMENT UNIT
 Office 919-707-6950 FAX 919-250-4119

CURB RAMPS
 Parallel Ramps

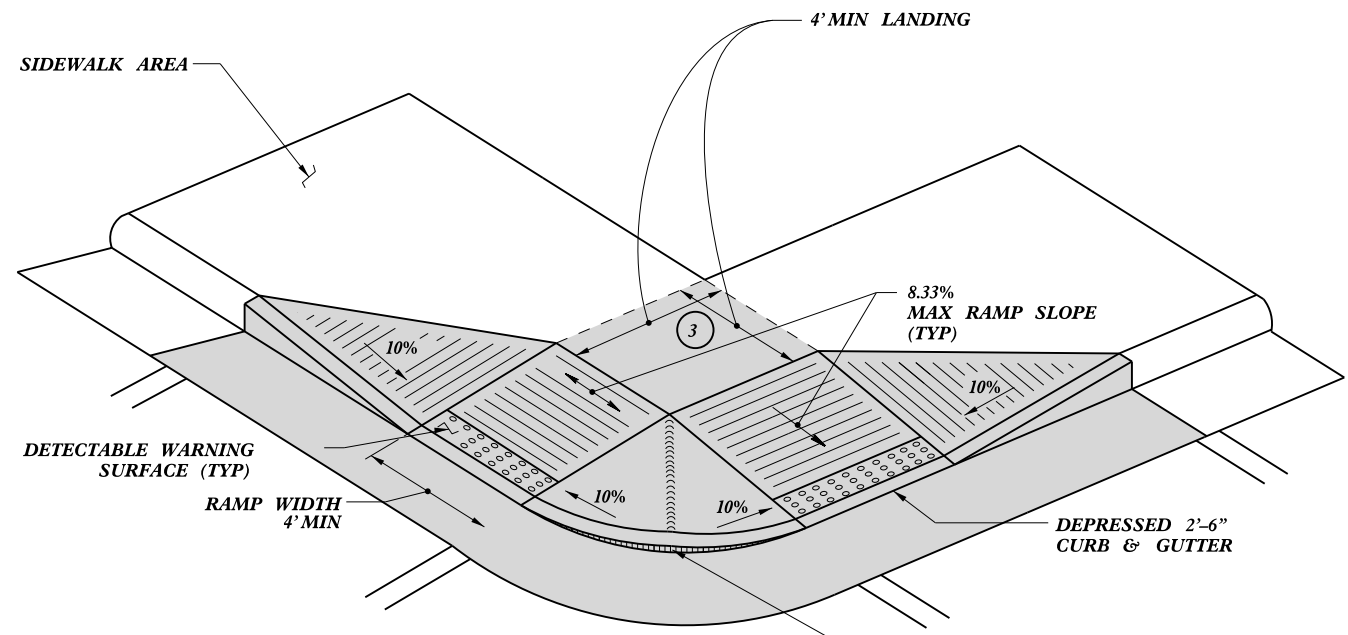
ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
 MODIFIED BY: DATE:
 CHECKED BY: DATE:
 FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dwg

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

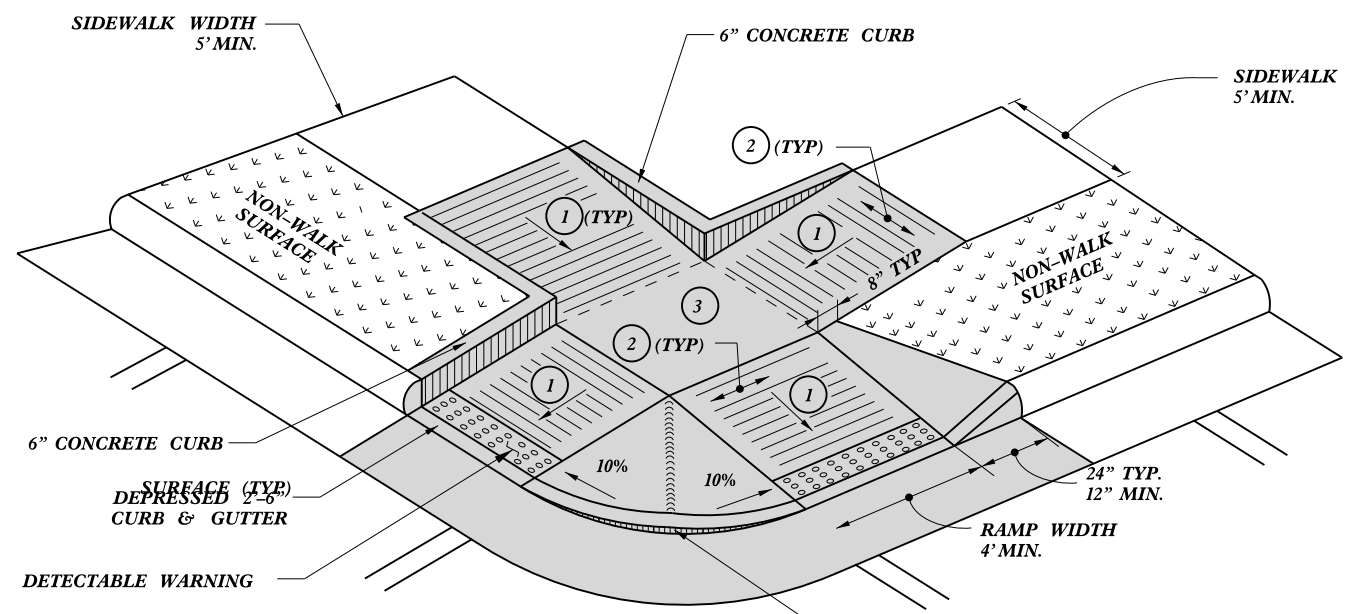
5/14/99

ETC.

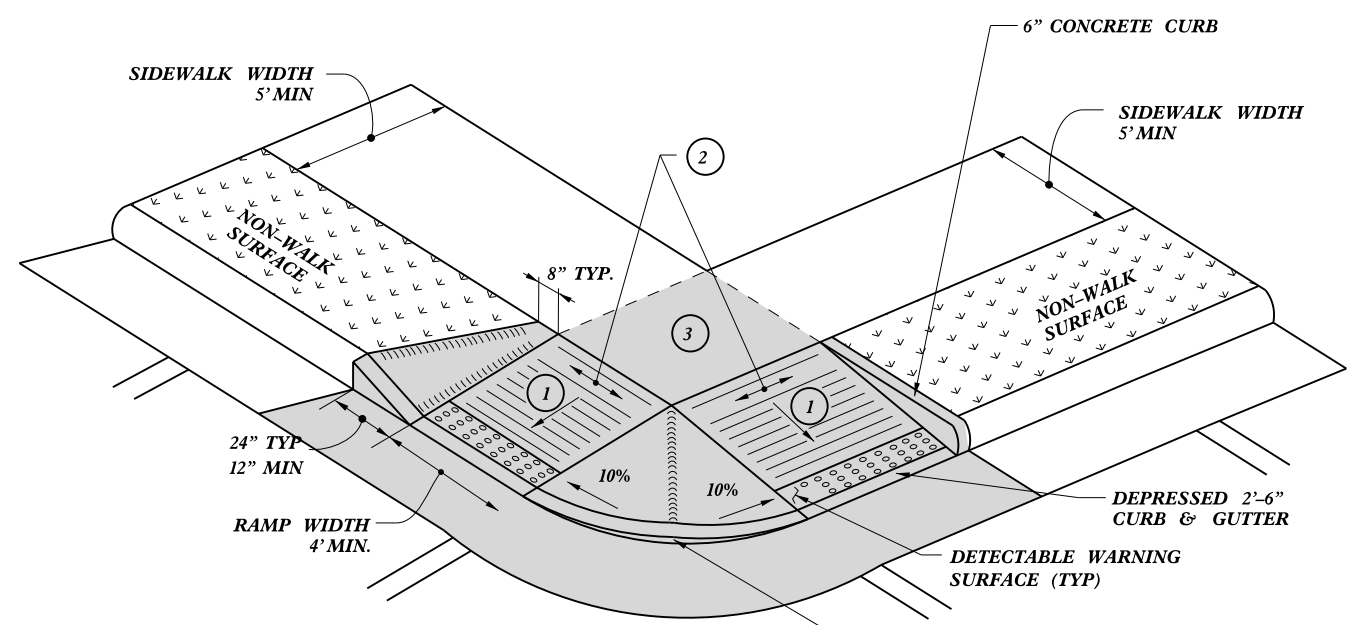
 PAY LIMITS FOR 2 CURB RAMPS



TYPE 4



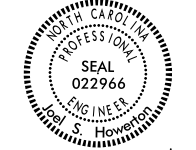
TYPE 5



TYPE 4A

- ① 8.33% (12:1) MAX RAMP SLOPE
- ② CROSS SLOPE: 2.00%
- ③ CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

DocuSigned by:
Joel S Howerton
449E8E25522144F...



11/18/2015

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

CURB RAMPS
Shared Landing

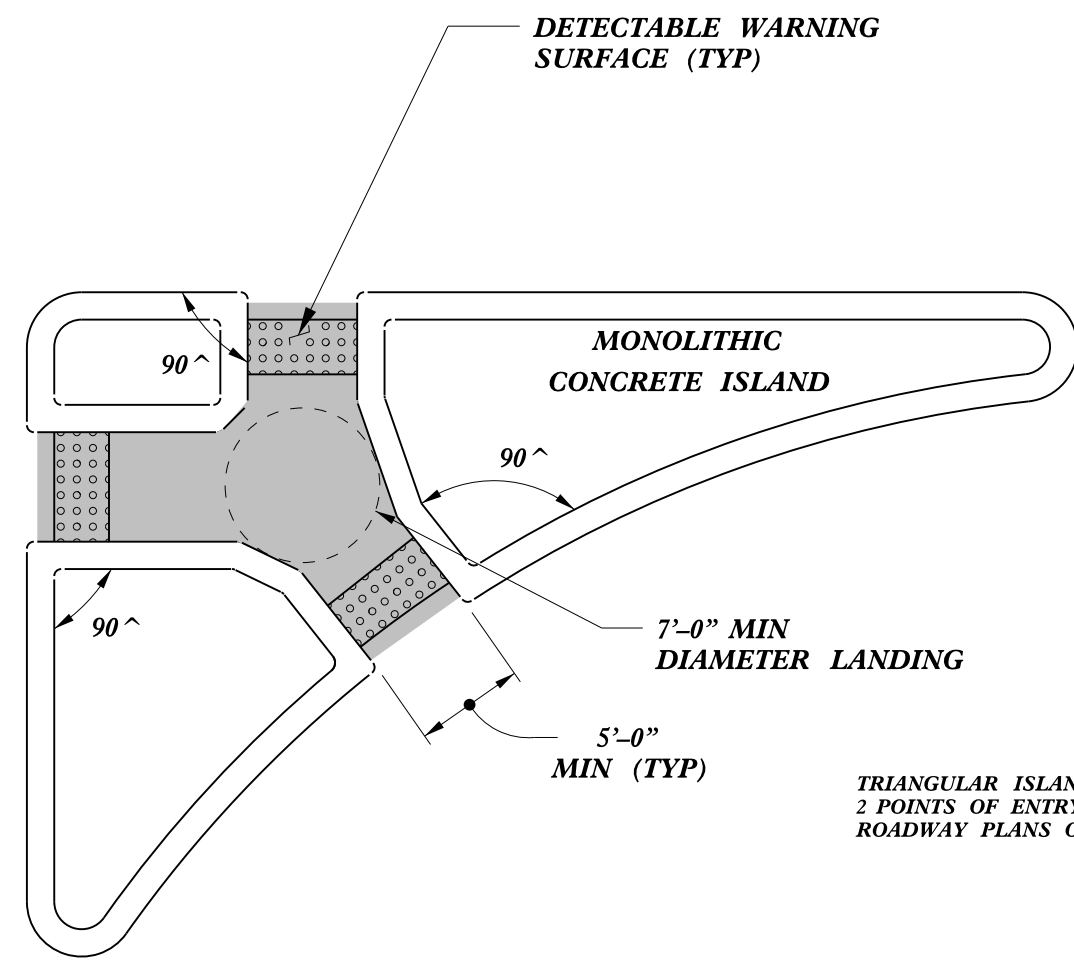
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MODIFIED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dwg

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

5/14/99
SYTIMECONSUNUSRNAME

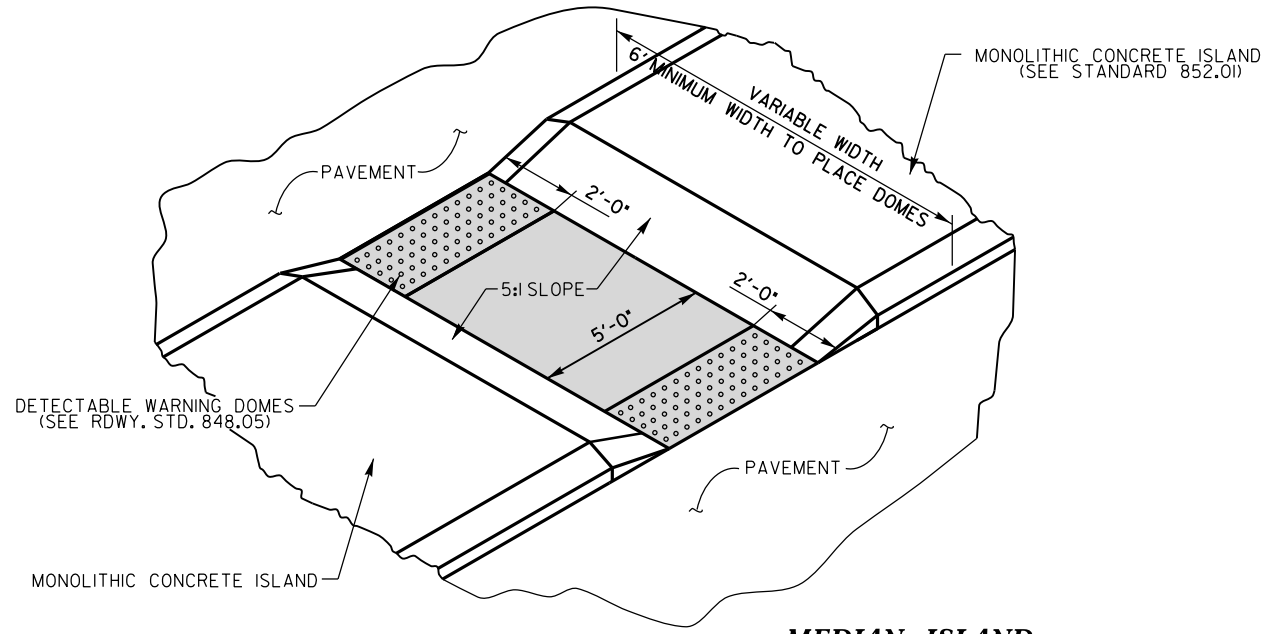
ETC.

PAY LIMITS FOR 2 OR 3 CURB RAMPS
(CALCULATE BASED ON NUMBER OF
SETS OF TRUNCATED DOMES)
ETC.

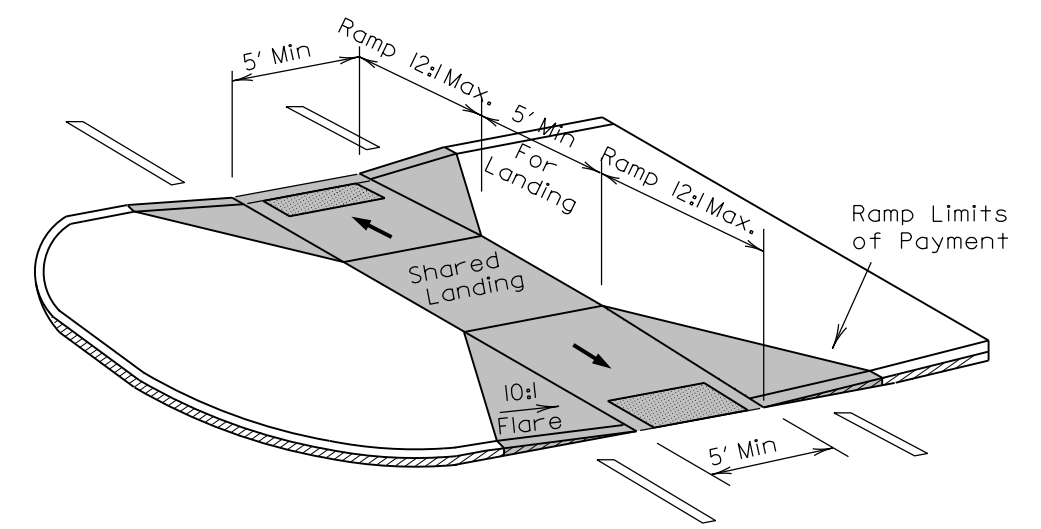


TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY
2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE
ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.

**TRIANGULAR ISLAND
WITH CUT THROUGH**



**MEDIAN ISLAND
WITH CUT THROUGH**



**MEDIAN ISLAND
CURB RAMPS**

5/14/99
SYTIME
SERIAL
DATE
FILE
C:\CONSTRUCTION\DRAWINGS\PROJECTS\2020CPT\10.14.10601\28.dwg
USER: JSH

11/18/2015



DocuSign
Joel S. Howerton

449E8E25522144F...

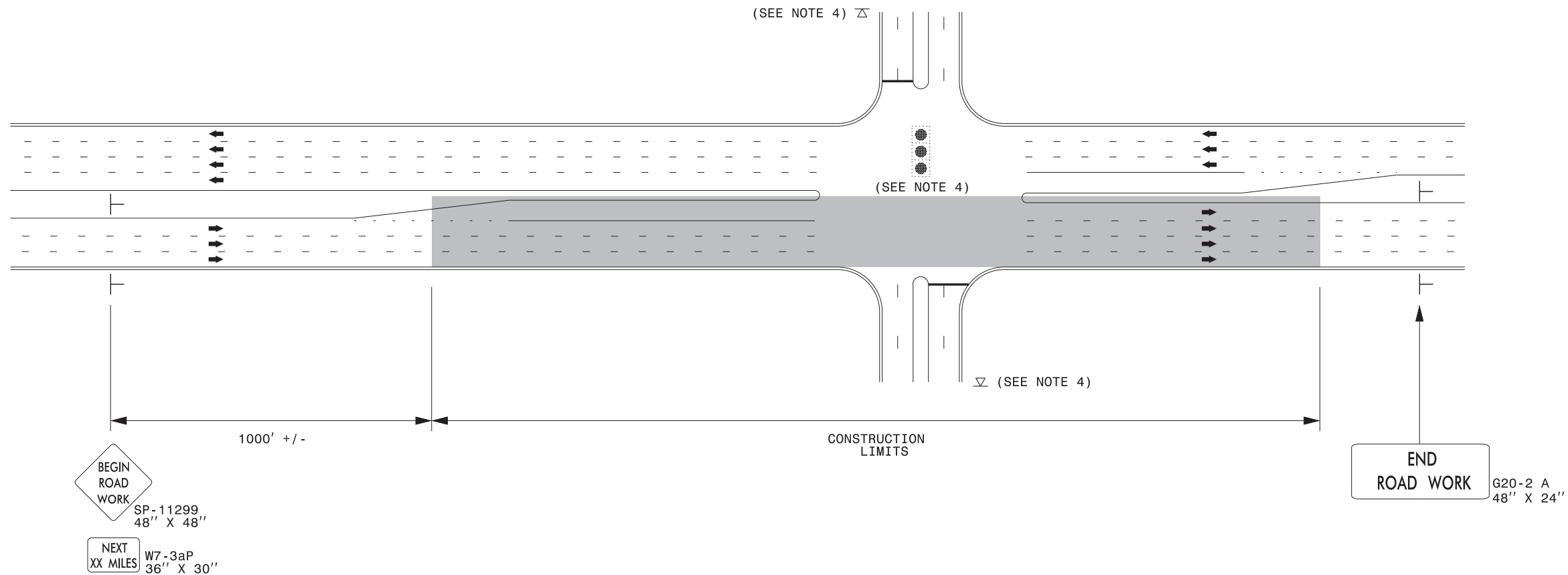
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

| | |
|----------------------------------------------------|--------------|
| CONTRACT STANDARDS AND DEVELOPMENT UNIT | |
| Office 919-707-6950 FAX 919-250-4119 | |
| CURB RAMPS | |
| Median or Turn Lane Islands | |
| ORIGINAL BY: J.S. HOWERTON | DATE: 7/7/11 |
| MODIFIED BY: | DATE: |
| CHECKED BY: | DATE: |
| FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dwg | |

SUMMARY OF QUANTITIES

| PROJECT NO | COUNTY | MAP NO | ROUTE | DESCRIPTION | TYP NO | LANES | LANE TYPE | FINAL SURFACE TESTING REQUIRED | WARM MIX ASPHALT REQUIRED | LENGTH | WIDTH | 1803500000-E | 1838000000-E | 1838500000-N | 2605000000-N | 2612000000-E | 2600000000-E | 2830000000-N | 2845000000-N | 6000000000-E | 6009000000-E | 6012000000-E | 6071010000-E | 6071020000-E | 6084000000-E | | | | | | |
|-----------------------------------------------|-------------|--------|--------------------------------------|--------------------------------------------------------------------------------------------------|------------|-------|-----------|--------------------------------|---------------------------|--------|-------|-------------------------------------------|--------------------------------------------|-----------------|------------------------|-----------------|---------------------------------|---------------------|-------------------------------|-------------------------|---------------------------------------|---------------------------|--------------|-------------------------|--------------------|-----|-----|-------|-------|------|-----|
| | | | | | | | | | | | | ASPHALT SURFACE TREATMENT, DOUBLE SEAL SY | EMULSION FOR ASPHALT SURFACE TREATMENT GAL | VACUUM TRUCK WK | CONCRETE CURB RAMPS EA | 6" DRIVEWAYS SY | RETROFIT EXISTING CURB RAMPS EA | ADJ. OF MANHOLES EA | ADJ. OF METER OR VALVE BOX EA | TEMPORARY SILT FENCE LF | STONE FOR EROSION CONTROL, CLASS B TN | SEDIMENT CONTROL STONE TN | WATTLE LF | POLYACRYLAMIDE (PAM) LB | SEED & MULCHING AC | | | | | | |
| 2020CPT.10.14.20601 | Mecklenburg | 1 | SR 1197 SAM WILSON ROAD | FROM US 29 TO THE PVT JOINT BEFORE SR 1191 OLD DOWD ROAD (MP 0.00 TO MP 0.48) | 6,8 | 2 | | NO | NO | 0.483 | 32 | | | | 1 | | | | | 75 | 10 | 5 | 50 | 0.2 | 0.4 | | | | | | |
| TOTAL FOR MAP NO. 1 | | | | | | | | | | | | | | | | | | | | 75 | 10 | 5 | 50 | 0.2 | 0.4 | | | | | | |
| 2020CPT.10.14.20601 | Mecklenburg | 2 | SR 1470 PARKRIDGE DRIVE | FROM EOM TO EOM (MP 0.00 TO MP 0.33) | 1 | 2 | | NO | NO | 0.33 | 24 | | | | | 20 | | | | | | | | | 0.2 | | | | | | |
| TOTAL FOR MAP NO. 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.2 | | | | |
| 2020CPT.10.14.20601 | Mecklenburg | 3 | SR 1471 WILLILYN LANE | FROM CUL DE SAC TO SR 1472 PARKAY PLACE (MP 0.00) TO MP 0.29) | 1 | 2 | | NO | NO | 0.29 | 24 | | | | | 36 | | | | | | | | | 0.2 | | | | | | |
| TOTAL FOR MAP NO. 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.2 | | | | |
| 2020CPT.10.14.20601 | Mecklenburg | 4 | SR 1472 PARKAY PLACE | FROM SR 1471 WILLILYN LANE TO EOM (MP 0.00 TO MP 0.09) | 1 | 2 | | NO | NO | 0.09 | 24 | | | | | | | | | | | | | | 0.1 | | | | | | |
| TOTAL FOR MAP NO. 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.1 | | | | |
| 2020CPT.10.14.20601 | Mecklenburg | 5 | SR 1469 HUNTWOOD DRIVE | FROM SR 1191 OLD DOWD TO EOM (MP 0.00) TO (MP 0.18) | 2 | 2 | | NO | NO | 0.18 | 24 | | | | | 18 | | | | 40 | | | 40 | 1.0 | 0.2 | | | | | | |
| TOTAL FOR MAP NO. 5 | | | | | | | | | | | | | | | | | | | | 40 | | | 40 | 1.0 | 0.2 | | | | | | |
| 2020CPT.10.14.20601 | Mecklenburg | 6 | SR 2366 GLENN TEAGUE ROAD | FROM SR 2004 MT HOLLY HUNTERSVILLE ROAD TO EOM (MP 0.00) TO (MP 0.58) | 2 | 2 | | NO | NO | 0.58 | 20 | | | | | | | | | 88 | | | 90 | 1.0 | 0.4 | | | | | | |
| TOTAL FOR MAP NO. 6 | | | | | | | | | | | | | | | | | | | | 88 | | | 90 | 1.0 | 0.4 | | | | | | |
| 2020CPT.10.14.20601 | Mecklenburg | 7 | SR 3181 FERGUSON ROAD | FROM SR 3106 BRIEF ROAD TO SR 3102 CABARRUS ROAD (MP 0.00) TO (MP 1.41) | 6,8 | 2 | | NO | NO | 1.415 | 22 | | | | | 36 | | | | 100 | | | 200 | 0.5 | 1.0 | | | | | | |
| TOTAL FOR MAP NO. 7 | | | | | | | | | | | | | | | | | | | | 100 | | | 200 | 0.5 | 1.0 | | | | | | |
| 2020CPT.10.14.20601 | Mecklenburg | 8 | SR 2042 OAKDALE ROAD | FROM PVT JOINT AT 3 LANE SECTION TO SR 2040 LAWING ROAD (MP 0.39 TO MP 1.20) | 6 | 2 | | NO | NO | 0.814 | 24 | | | | | 144 | | 1 | | | | | 120 | 0.3 | 0.6 | | | | | | |
| TOTAL FOR MAP NO. 8 | | | | | | | | | | | | | | | | | | | | 144 | | 1 | | 120 | 0.3 | 0.6 | | | | | |
| 2020CPT.10.14.20601 | Mecklenburg | 9 | SR 2004 MT HOLLY HUNTERSVILLE ROAD | FROM INTERSECTION OF SR 2373 BELLHAVEN TO THE PVT JOINT BEFORE COULOAK DR. (MP 0.00 TO MP 0.32) | 9,10,13,14 | 2 | | NO | NO | 0.32 | 36 | | | | | | | | 1 | | | | 2 | 1.0 | 0.2 | | | | | | |
| TOTAL FOR MAP NO. 9 | | | | | | | | | | | | | | | | | | | | | | | 2 | 1.0 | 0.2 | | | | | | |
| 2020CPT.10.14.20601 | Mecklenburg | 10 | SR 5001 MECKLENBURG SHRINE CLUB ROAD | FROM SR 2805 HARRISBURG ROAD TO EOM (MP 0.00 TO MP 0.26) | 5 | 2 | | NO | NO | 0.262 | 20 | | | | | 18 | | | | | | | 40 | 0.1 | 0.2 | | | | | | |
| TOTAL FOR MAP NO. 10 | | | | | | | | | | | | | | | | | | | | | | | 40 | 0.1 | 0.2 | | | | | | |
| 2020CPT.10.14.20601 | Mecklenburg | 11 | SR 2040 LAWING ROAD | FROM SR 2042 OAKDALE RD TO SR 2037 KELLY ROAD (MP 0.00 TO MP 0.26) | 3 | 2 | | NO | NO | 0.258 | 20 | 3,325 | 1,830 | 1.00 | | 144 | | | | 40 | | | 40 | 1.0 | 0.2 | | | | | | |
| TOTAL FOR MAP NO. 11 | | | | | | | | | | | | | | | | | | | | 40 | | | 40 | 1.0 | 0.2 | | | | | | |
| 2020CPT.10.14.20601 | Mecklenburg | 12 | SR 3101 OLD CAMDEN ROAD | FROM SR 3102 CABARRUS ROAD TO THE CABARRUS CO. LINE (MP 0.00 TO MP 0.63) | 4 | 2 | | NO | NO | 0.631 | 20 | 7,400 | 4,070 | 1.00 | | 72 | | | | 95 | | | 100 | 1.0 | 0.5 | | | | | | |
| TOTAL FOR MAP NO. 12 | | | | | | | | | | | | | | | | | | | | 95 | | | 100 | 1.0 | 0.5 | | | | | | |
| 2020CPT.10.14.20601 | Mecklenburg | 13 | SR 2136 GILEAD ROAD | FROM SR 2138 MCCOY ROAD TO SR 2131 BUD HENDERSON ROAD (MP 1.58 TO MP 3.51) | 6,7,8 | 2 | | NO | NO | 1.61 | 35 | | | | | 180 | | | | 3 | 250 | 20 | 10 | 240 | 1.0 | 1.2 | | | | | |
| TOTAL FOR MAP NO. 13 | | | | | | | | | | | | | | | | | | | | 3 | 250 | 20 | 10 | 240 | 1.0 | 1.2 | | | | | |
| 2020CPT.10.14.20601 | Mecklenburg | 14 | SR 2828 ROCKY RIVER ROAD | FROM PVT JOINT AT MORTON HALL ROAD TO SR 2976 GRIER ROAD (MP 0.62 TO MP 1.30) | 6,7,8 | 2 | | NO | NO | 0.677 | 40 | | | | | | | | | 2 | 2 | 1 | 100 | | 100 | 1.0 | 0.3 | | | | |
| TOTAL FOR MAP NO. 14 | | | | | | | | | | | | | | | | | | | | 2 | 2 | 1 | 100 | | 100 | 1.0 | 0.3 | | | | |
| 2020CPT.10.14.20601 | Mecklenburg | 15 | SR 2828 ROCKY RIVER ROAD | FROM SR 2976 GRIER ROAD TO PVT JOINT PAST GETALONG RD (MP 1.30 TO MP 1.57) | 7,8 | 2 | | NO | NO | 0.268 | 30 | | | | | 54 | | | | | | | 20 | 1.0 | 0.1 | | | | | | |
| TOTAL FOR MAP NO. 15 | | | | | | | | | | | | | | | | | | | | 54 | | | 20 | 1.0 | 0.1 | | | | | | |
| TOTAL FOR PROJ NO. 2020CPT.10.14.20601 | | | | | | | | | | | 8,208 | | | | | | 10,725 | 5,900 | 2.00 | 1 | 722 | 2 | 4 | 4 | 788 | 30 | 15 | 1,042 | 9.1 | 5.8 | |
| 2020CPT.10.14.10601 | Mecklenburg | 16 | NC 24-27 ALBEMARLE ROAD EB | FROM THE I 485 BRIDGE TO PVT JOINT AT CLEAR CREEK ELEMENTARY (MP 21.08 TO MP 22.70) | 11,12 | 2 | | NO | NO | 1.619 | 32 | | | | | | | | | 1 | 4 | | | 120 | 1.0 | 0.3 | | | | | |
| TOTAL FOR MAP NO. 16 | | | | | | | | | | | | | | | | | | | | 1 | 4 | | | 120 | 1.0 | 0.3 | | | | | |
| 2020CPT.10.14.10601 | Mecklenburg | 17 | NC 24-27 ALBEMARLE ROAD WB | FROM PVT JOINT AT CLEAR CREEK ELEMENTARY TO I 485 BRIDGE (MP 1.44 TO MP 3.06) | 11,12 | 2 | | NO | NO | 1.637 | 36 | | | | | | | | | 3 | 6 | 1 | | | 0.3 | | | | | | |
| TOTAL FOR MAP NO. 17 | | | | | | | | | | | | | | | | | | | | 3 | 6 | 1 | | | 0.3 | | | | | | |
| 2020CPT.10.14.10601 | Mecklenburg | 18 | US 21 STATESVILLE ROAD SB LANES | FROM DIVIDED GRASS MED N OF SUNSET ROAD TO PVT JOINT SOUTH OF SUNSET ROAD (MP 14.30 TO MP 14.57) | 16,18 | 2 | | NO | NO | 0.369 | 35 | | | | | | | | | | | | | | 0.2 | | | | | | |
| TOTAL FOR MAP NO. 18 | | | | | | | | | | | | | | | | | | | | | | | | | 0.2 | | | | | | |
| 2020CPT.10.14.10601 | Mecklenburg | 19 | US 21 STATESVILLE ROAD NB LANES | FROM PVT JOINT SOUTH OF SUNSET ROAD TO SR 2112 LAKEVIEW ROAD (MP 16.29 TO MP 18.12) | 5,16,17,18 | 2 | | NO | NO | 1.869 | 34 | | | | | | | | | 1 | 16 | | | 260 | 1.0 | 1.1 | | | | | |
| TOTAL FOR MAP NO. 19 | | | | | | | | | | | | | | | | | | | | 1 | 16 | | | 260 | 1.0 | 1.1 | | | | | |
| 2020CPT.10.14.10601 | Mecklenburg | 20 | NC 16 PROVIDENCE ROAD | FROM HANSON DRIVE TO SR 3815 QUEENS ROAD (MP 11.04 TO MP 11.97) | 19,20 | 2 | | NO | NO | 0.93 | 48 | | | | | | | | | 18 | 8 | | | | | | | | | | |
| TOTAL FOR MAP NO. 20 | | | | | | | | | | | | | | | | | | | | 18 | 8 | | | | | | | | | | |
| 2020CPT.10.14.10601 | Mecklenburg | 21 | NC 16 PROVIDENCE ROAD | FROM HANSON DRIVE TO FERNCLIFF ROAD (MP 15.98 TO MP 16.93) | 21 | 2 | | NO | NO | 0.952 | 28 | | | | | | | | | 17 | 10 | | | | | | | | | | |
| TOTAL FOR MAP NO. 21 | | | | | | | | | | | | | | | | | | | | 17 | 10 | | | | | | | | | | |
| 2020CPT.10.14.10601 | Mecklenburg | 22 | NC 16 PROVIDENCE ROAD | FROM FERNCLIFF ROAD TO HANSON DRIVE (MP 10.08 TO MP 11.04) | 21 | 2 | | NO | NO | 0.952 | 30 | | | | | | | | | 2 | 1 | | | | | | | | | | |
| TOTAL FOR MAP NO. 22 | | | | | | | | | | | | | | | | | | | | 2 | 1 | | | | | | | | | | |
| TOTAL FOR PROJ NO. 2020CPT.10.14.10601 | | | | | | | | | | | 8,328 | | | | | | 16,536 | 10,725 | 5,900 | 2.00 | 1 | 722 | 5 | 49 | 44 | 788 | 30 | 15 | 1,422 | 11.1 | 7.7 |
| GRAND TOTAL | | | | | | | | | | | | | | | | | 16,536 | 10,725 | 5,900 | 2.00 | 1 | 722 | 5 | 49 | 44 | 788 | 30 | 15 | 1,422 | 11.1 | 7.7 |

URBAN / SUBURBAN WORKZONES

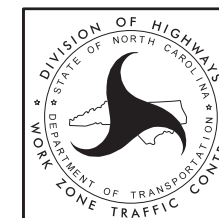


NOTES:

- 1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
- 4) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.
- 5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
- 6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
- 7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

LEGEND

- ┆ STATIONARY SIGN
- ➔ DIRECTION OF TRAFFIC FLOW



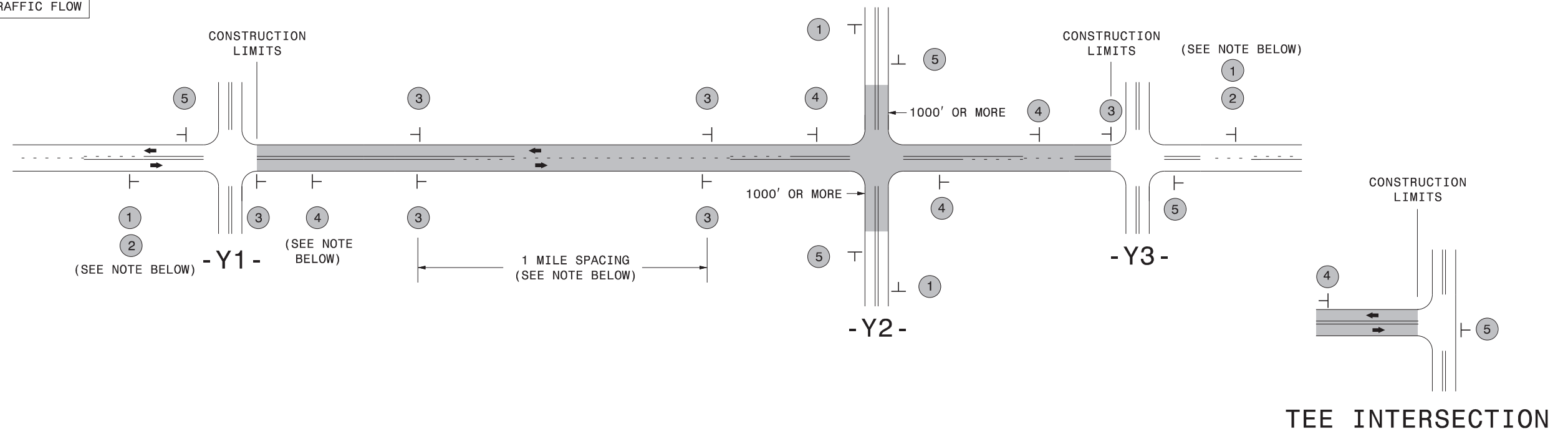
**RESURFACING ADVANCE
WARNING SIGNS FOR
URBAN / SUBURBAN
FACILITIES**

SIGNING FOR RESURFACING PROJECTS

LEGEND

┆ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

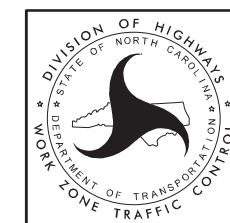
-Y- LINE SIGNING

| | | | | |
|-------------------------------------------|---|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SIGNING NOTES AND PLACEMENT PER DIRECTION | 1 | | PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. | <p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> PLACED 500' IN ADVANCE OF FLAGGER. </div> <div style="text-align: center;"> PLACED 250' IN ADVANCE OF FLAGGER. </div> </div> |
| | 2 | | #2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS) | |
| | 3 | | - PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER. | |
| | 4 | | - THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. - DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. - INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. - FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. - A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE. | |
| | 5 | | PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION. | |

THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

MAPS LESS THAN 2 MILES

FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.

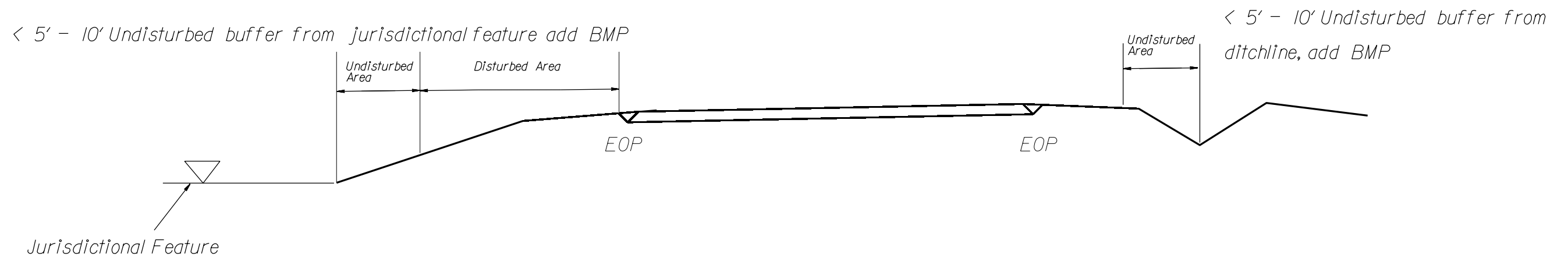
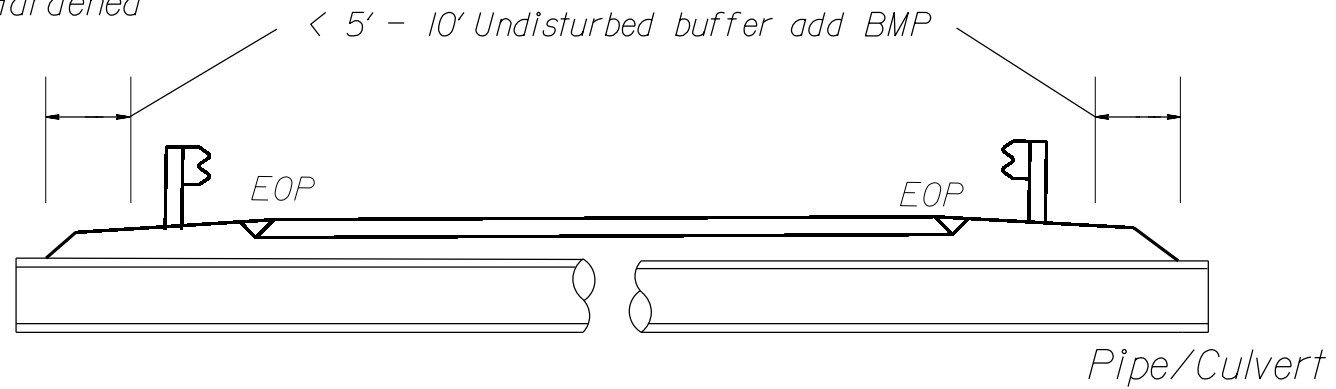


ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

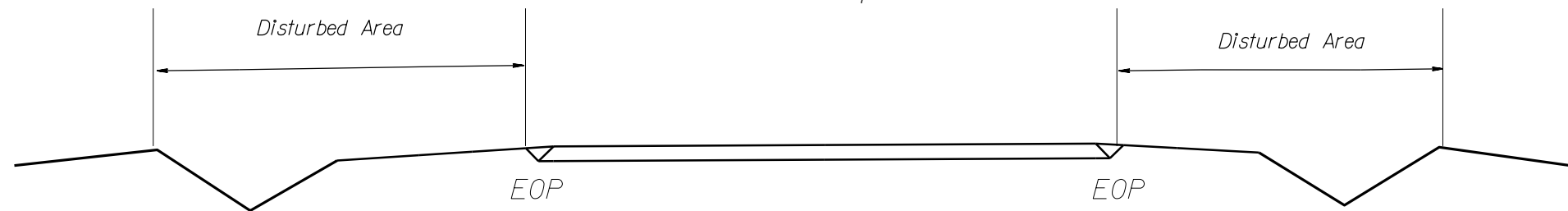
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle, Silt Fence or Hardened Aggregate.

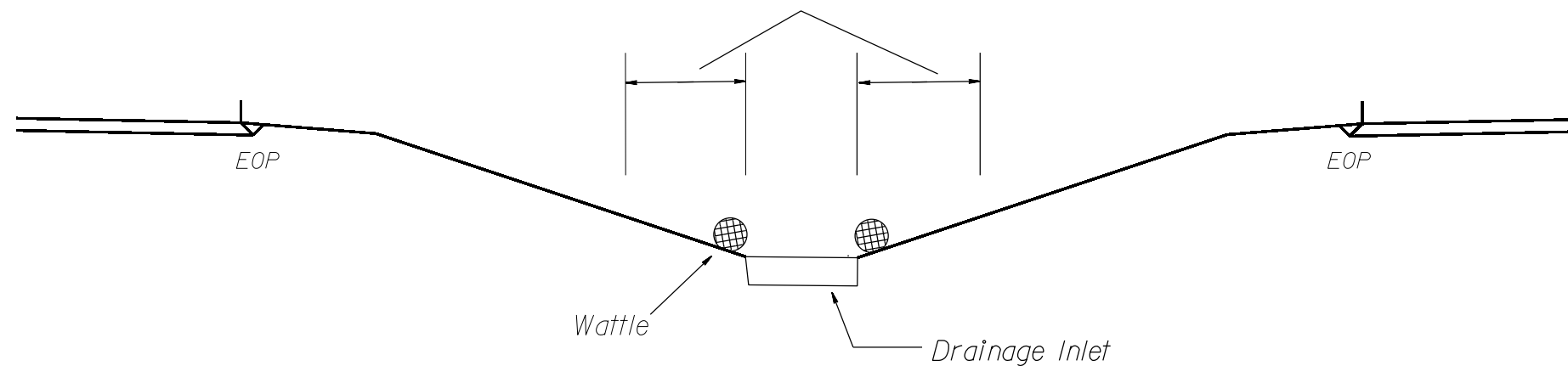
EROSION CONTROL DETAIL



Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed



< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.

