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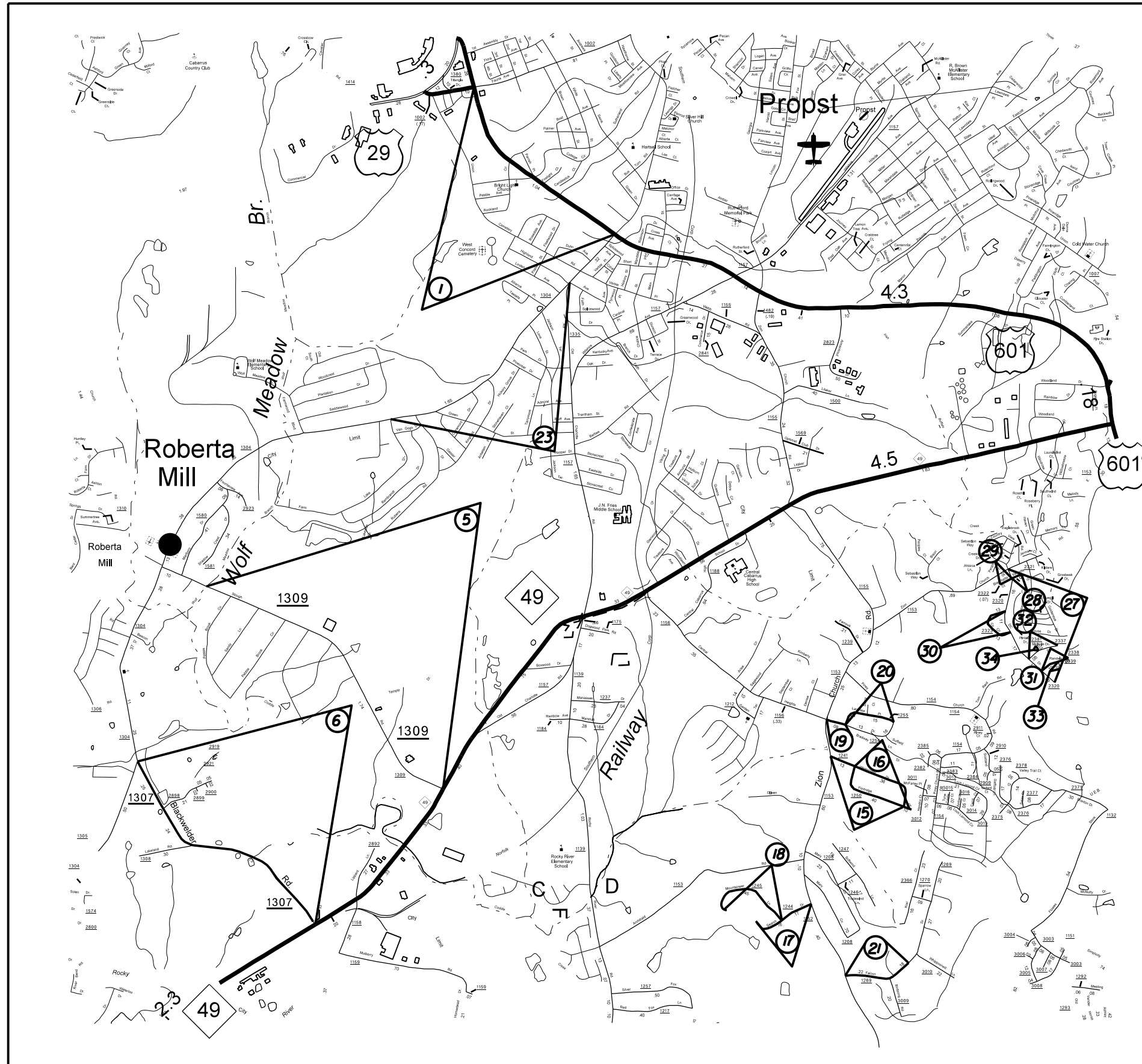
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| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
|------------------|-----------------------------|-----------|--------------|
| N.C. | 2016CPT.I0.57.I0131.I, ETC. | | |
| F.A. PROJECT NO. | | | |



ENLARGED MUNICIPAL AND SUBURBAN AREAS
CABARRUS COUNTY
 NORTH CAROLINA
PREPARED BY THE
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION



| | | | |
|------------------|-----------------------------|-----------|--------------|
| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | 2016CPT.I0.57.I0131.I, ETC. | 2 | |
| F.A. PROJECT NO. | | | |

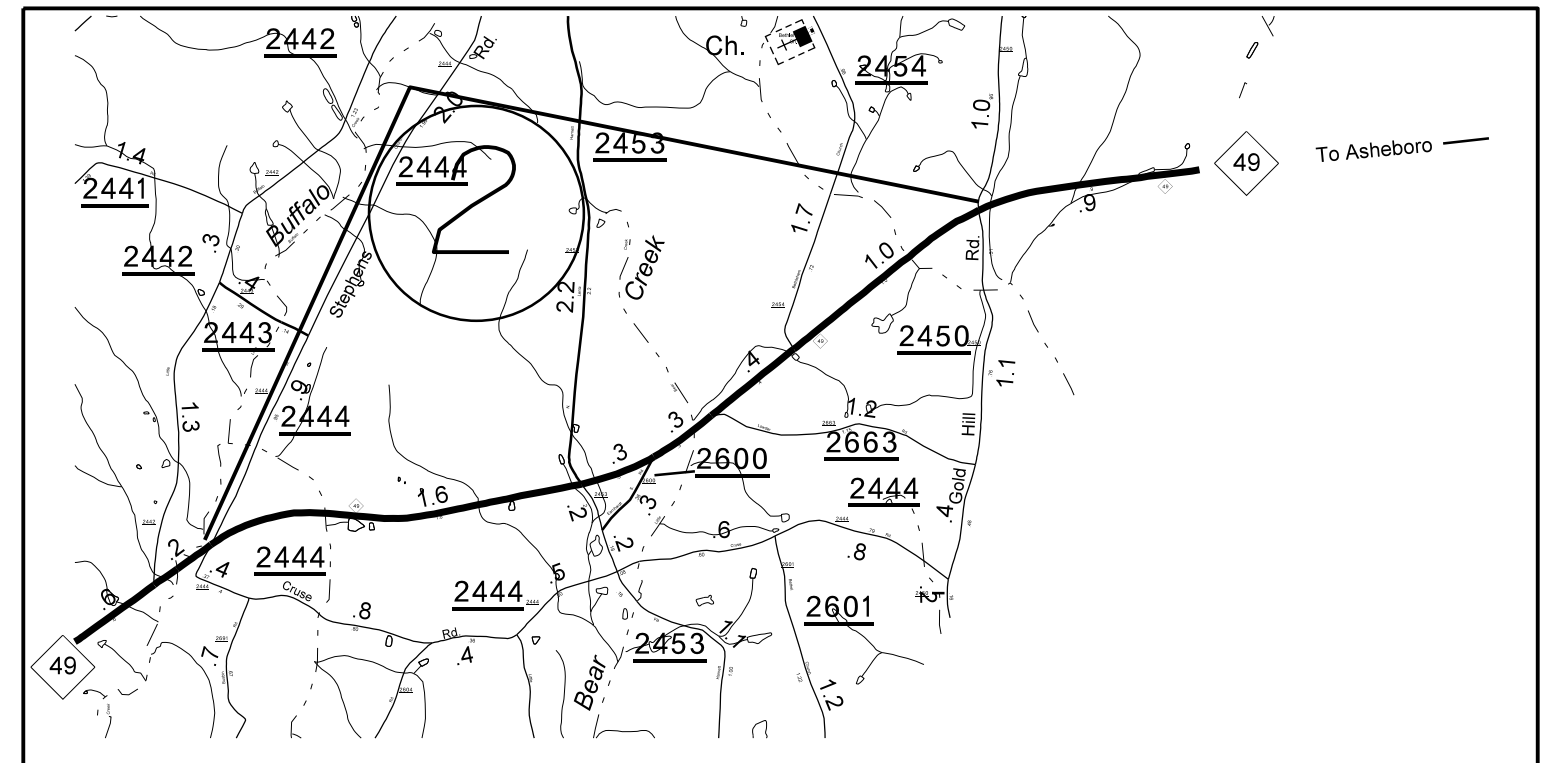
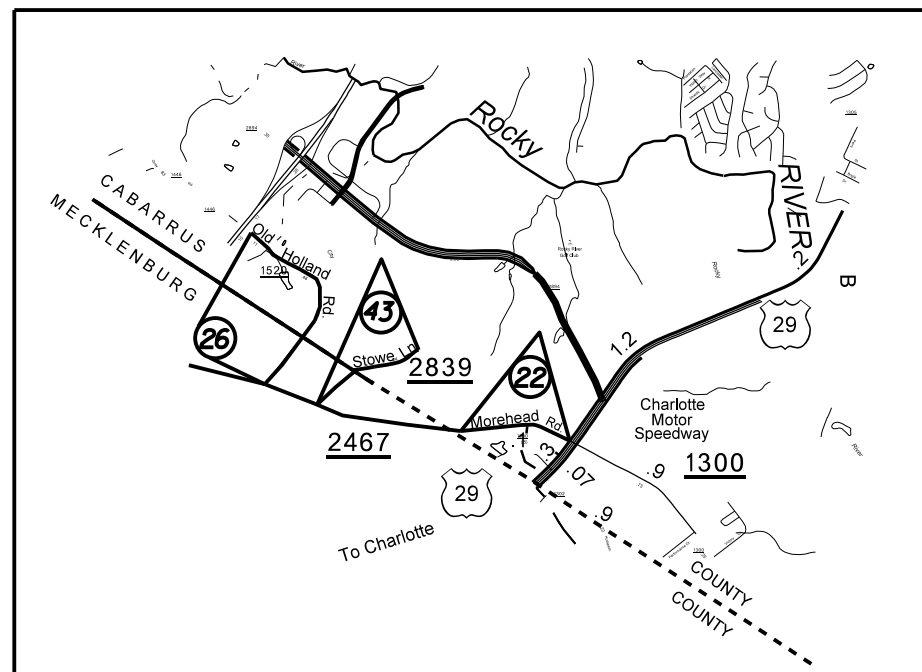
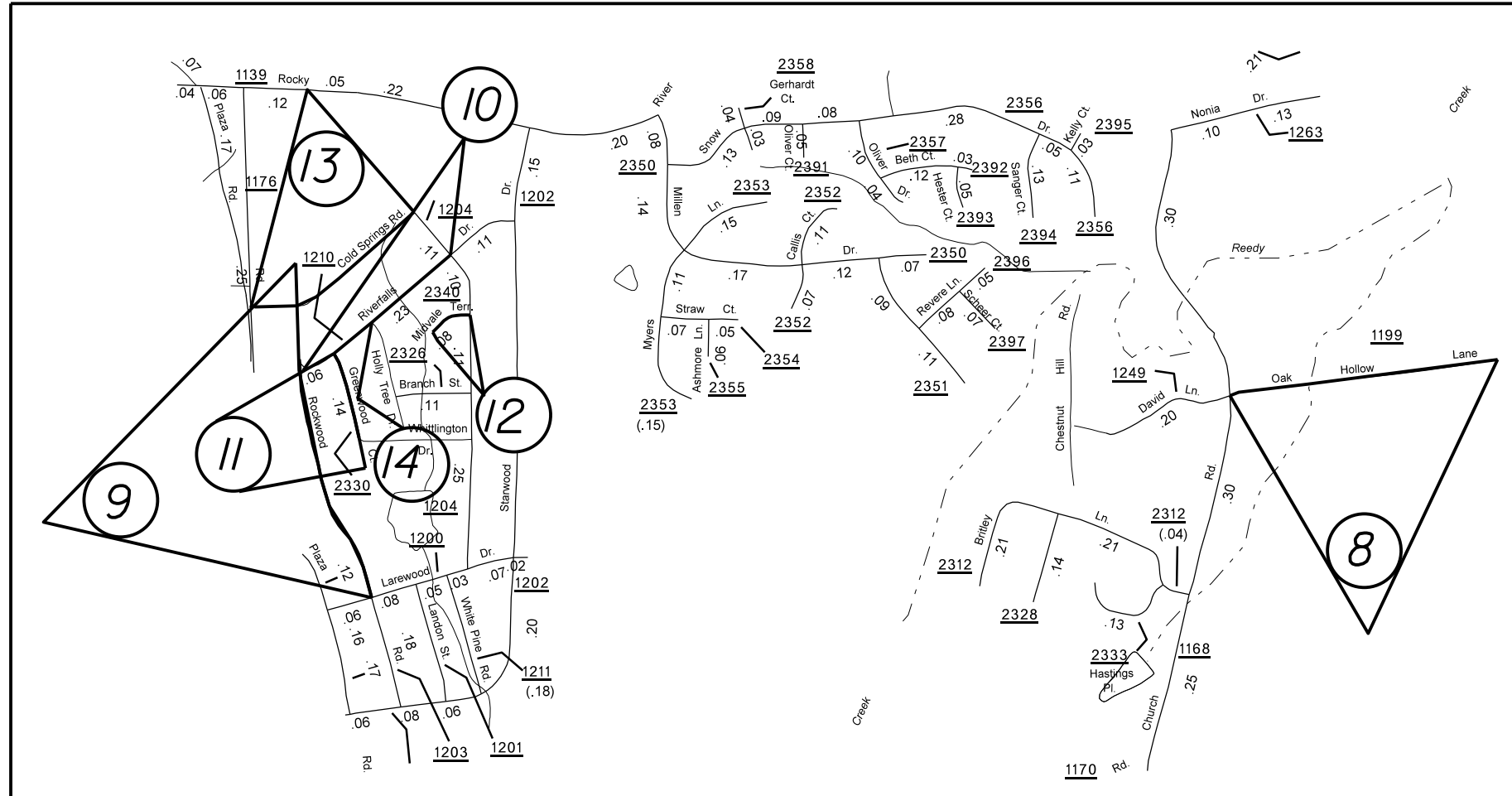


ENLARGED MUNICIPAL AND SUBURBAN AREAS

CABARRUS COUNTY MECKLENBURG COUNTY

NORTH CAROLINA

PREPARED BY THE
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - GIS UNIT



| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
|------------------|-----------------------------|-----------|--------------|
| N.C. | 2016CPT.I0.57.I0131.I, ETC. | 3 | |
| F.A. PROJECT NO. | | | |



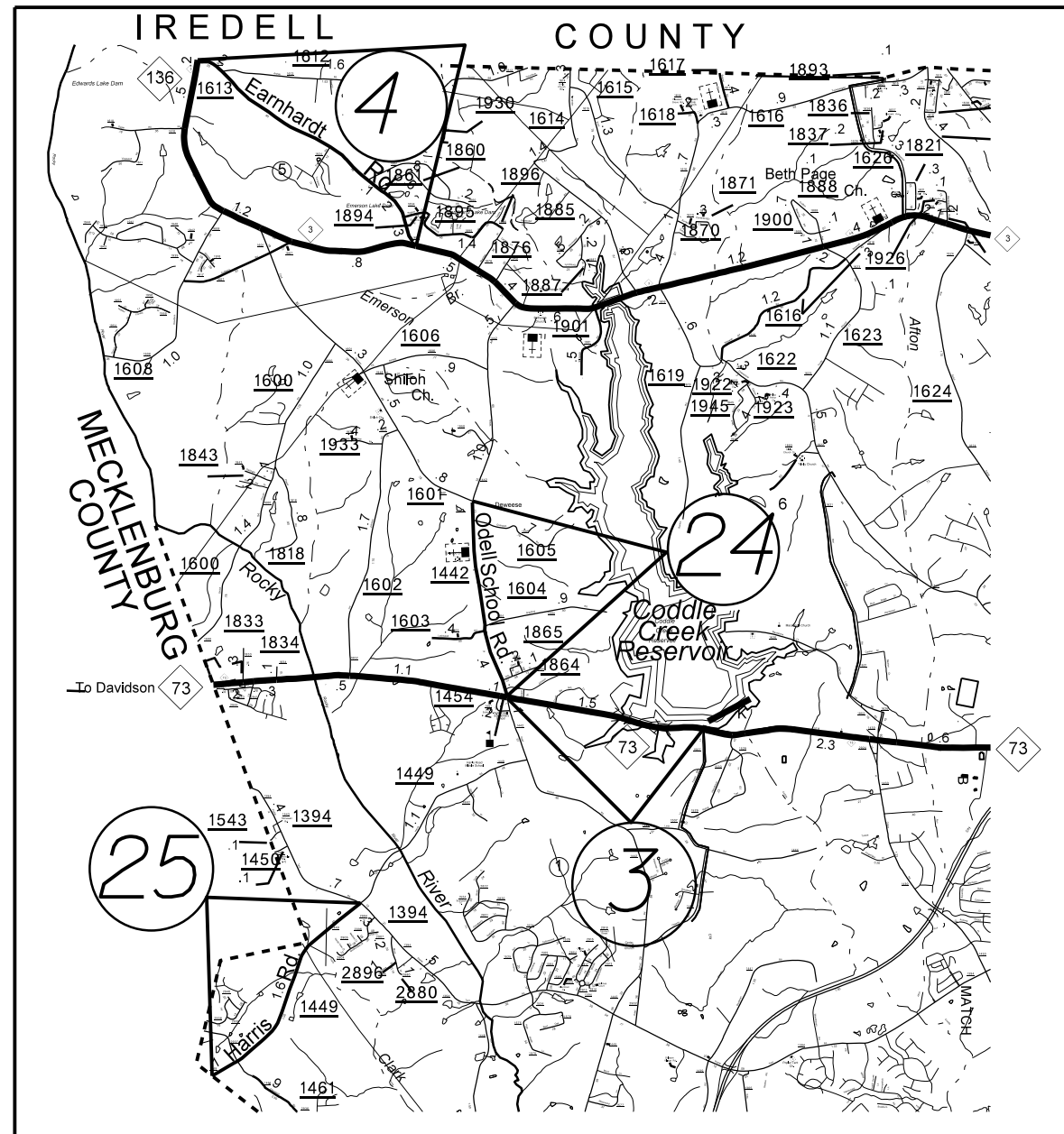
ENLARGED MUNICIPAL AND SUBURBAN AREAS

CABARRUS COUNTY

NORTH CAROLINA

PREPARED BY THE
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - GIS UNIT

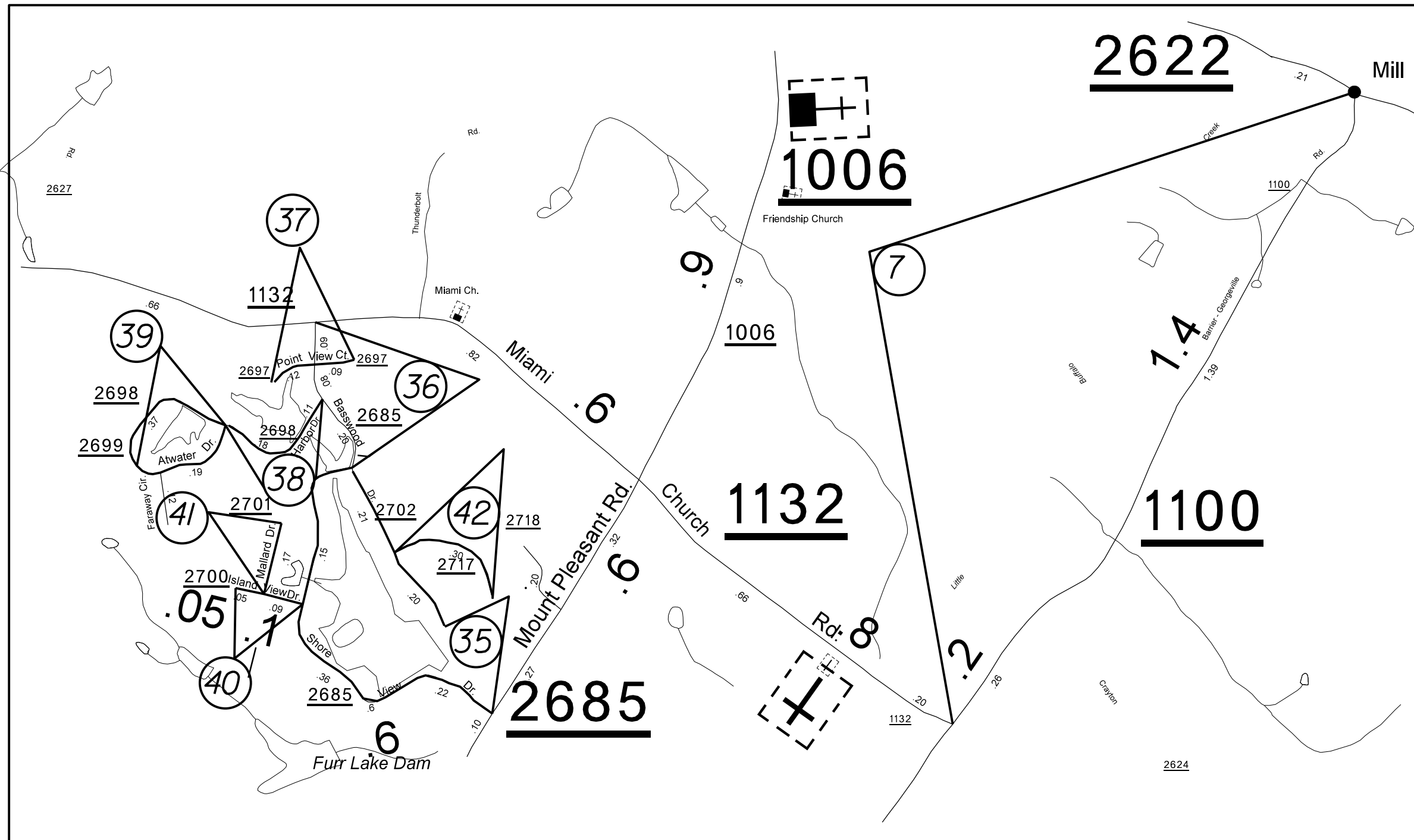
DIVISION OF HIGHWAYS - GIS UNIT



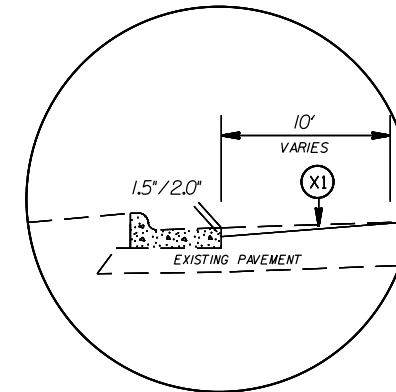
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| N.C. | 2016CPT.10.57.10131.1, ETC. | 4 | |
| F.A. PROJECT NO. | | | |



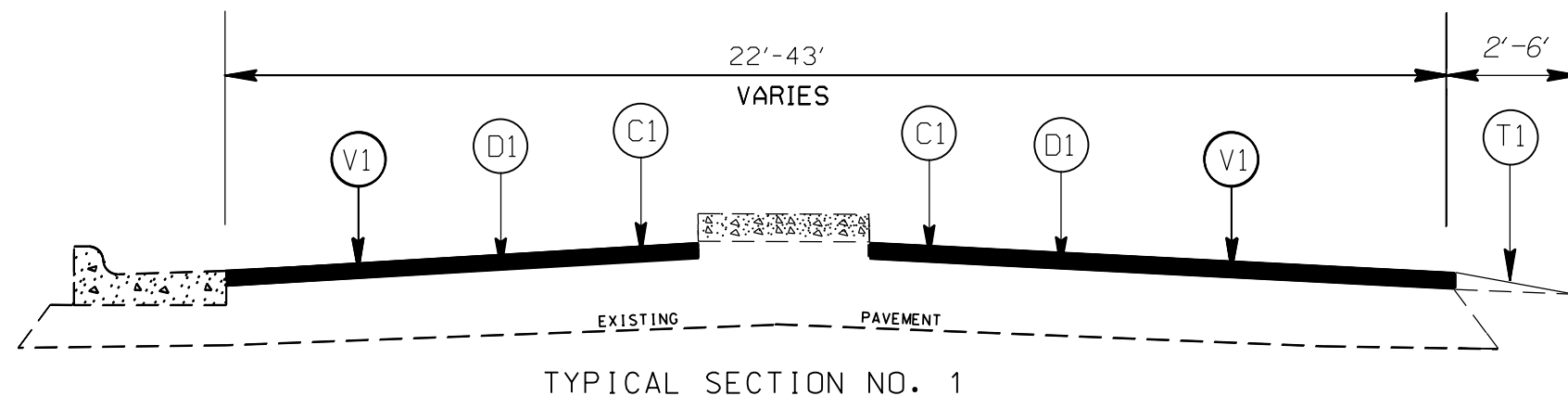
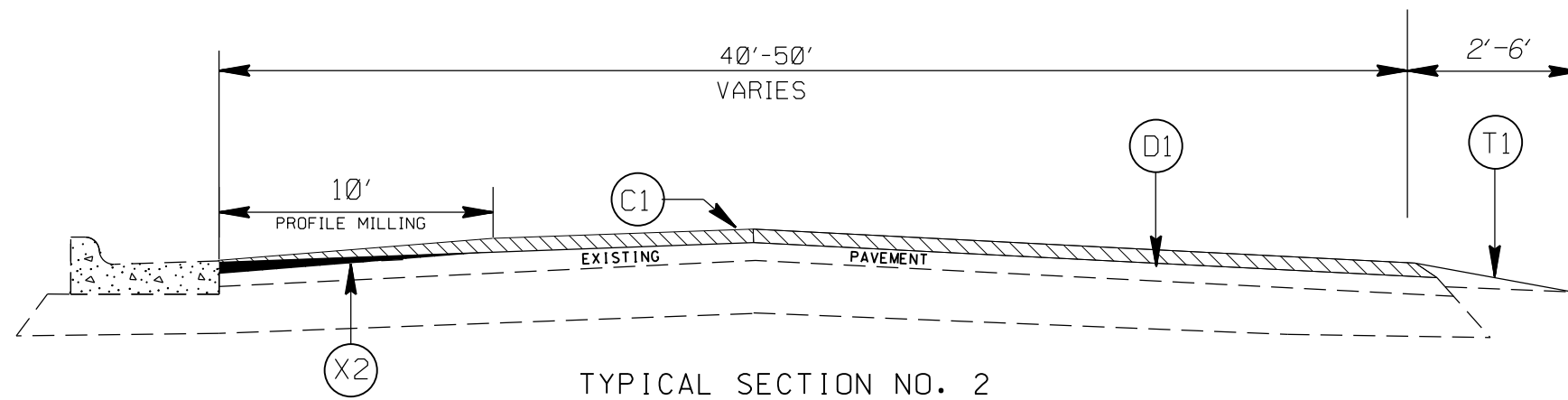
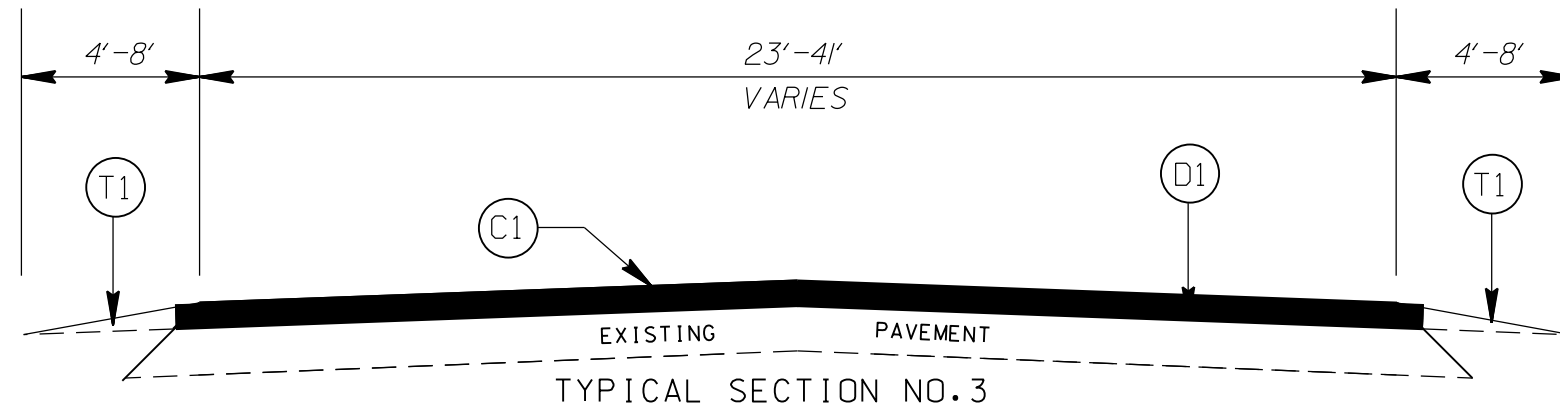
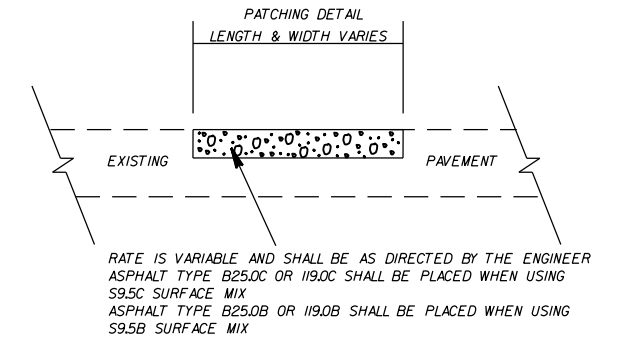
ENLARGED MUNICIPAL AND SUBURBAN AREAS
CABARRUS COUNTY
 NORTH CAROLINA
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 DIVISION OF HIGHWAYS - GIS UNIT



| | | | |
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| N.C. | 2016CPT.10.57.10131.I, ETC. | 5 | |
| F.A. PROJECT NO. | | | |



DETAIL FOR PROFILE MILLING (0" TO 1.5")
 DETAIL FOR PROFILE MILLING (0" TO 2.0")



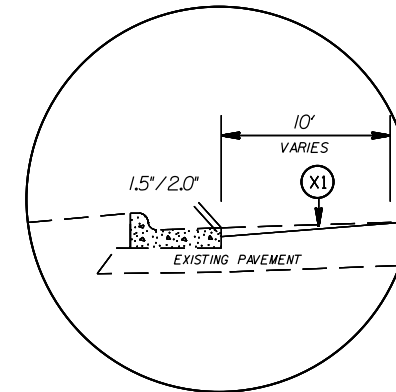
| PAVEMENT SCHEDULE | |
|-------------------|---|
| C1 | PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD. |
| C2 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| C3 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| C4 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. |
| C5 | PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD. |
| C6 | PROP. APPROX. 1.0" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. |
| C7 | PROP. ASPHALT SURFACE TREATMENT, TYPE AST DOUBLE SEAL (#14/78M), TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION |
| D1 | AST MAT COAT # 67 |
| D2 | MAT COAT # 78M |
| T1 | SHOULDER RECONSTRUCTION |
| V1 | MILLING BITUMINOUS PAVEMENT 2.0" DEPTH. AS DIRECTED BY THE ENGINEER |
| V2 | MILLING BITUMINOUS PAVEMENT 1.5" DEPTH. |
| X1 | PROFILE MILLING BITUMINOUS PAVEMENT. 0" TO 1.5" |
| X2 | PROFILE MILLING BITUMINOUS PAVEMENT. 0" TO 2.0" |
| Z | FULL DEPTH RECLAMATION |

NOTE: 2.0" MILLING FROM THE INTERSECTION OF CABARRUS AVE. TO APPROX. 500' SOUTH OF INTERSECTION OR AS DIRECTED BY THE ENGINEER

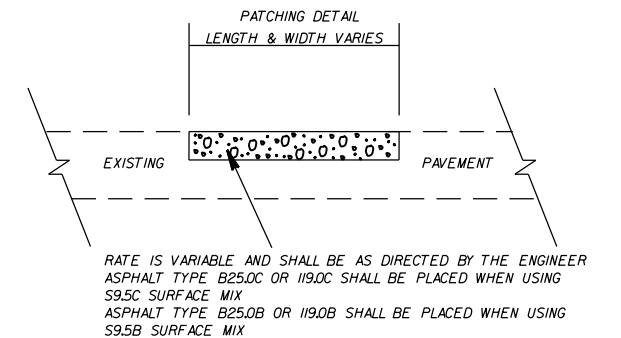
CABARRUS COUNTY
RESURFACING 2016-2017

| | | | |
|-----------|------|--|-----------|
| SCALE | -NA- | | REVISIONS |
| DATE | 3/16 | | |
| DWG. BY | JDA | | |
| DESIGN BY | JDA | | |
| APPROVED | MPM | | |

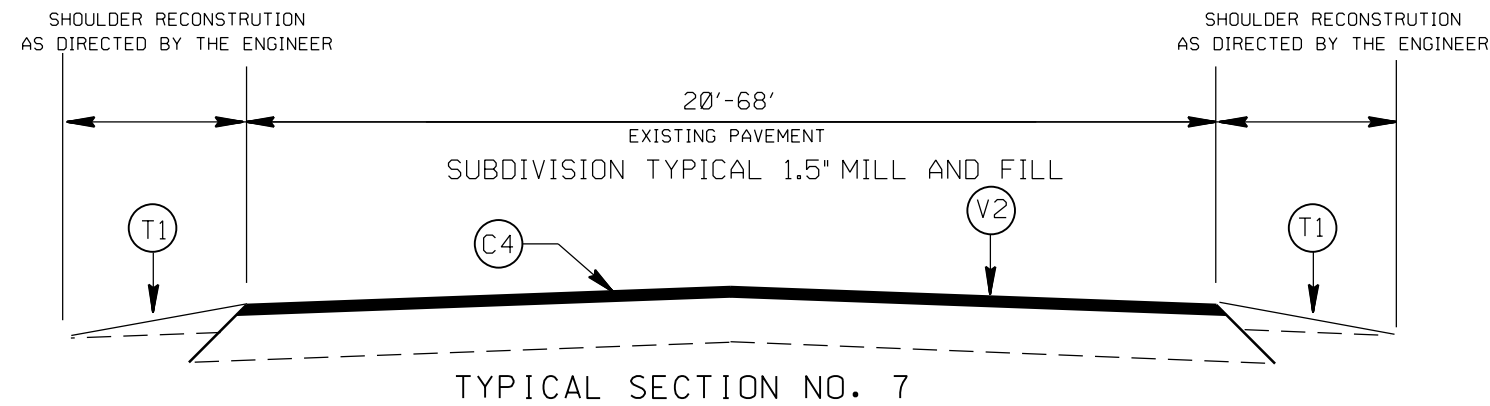
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| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | 2016CPT.10.57.10131.1, ETC. | 6 | |
| F.A. PROJECT NO. | | | |



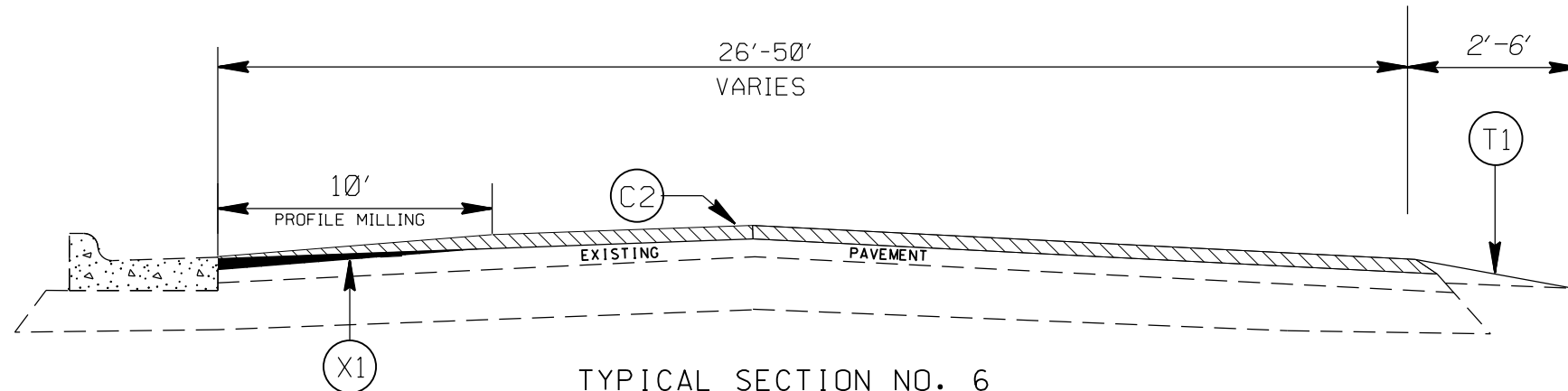
DETAIL FOR PROFILE MILLING (0" TO 1.5")
 DETAIL FOR PROFILE MILLING (0" TO 2.0")



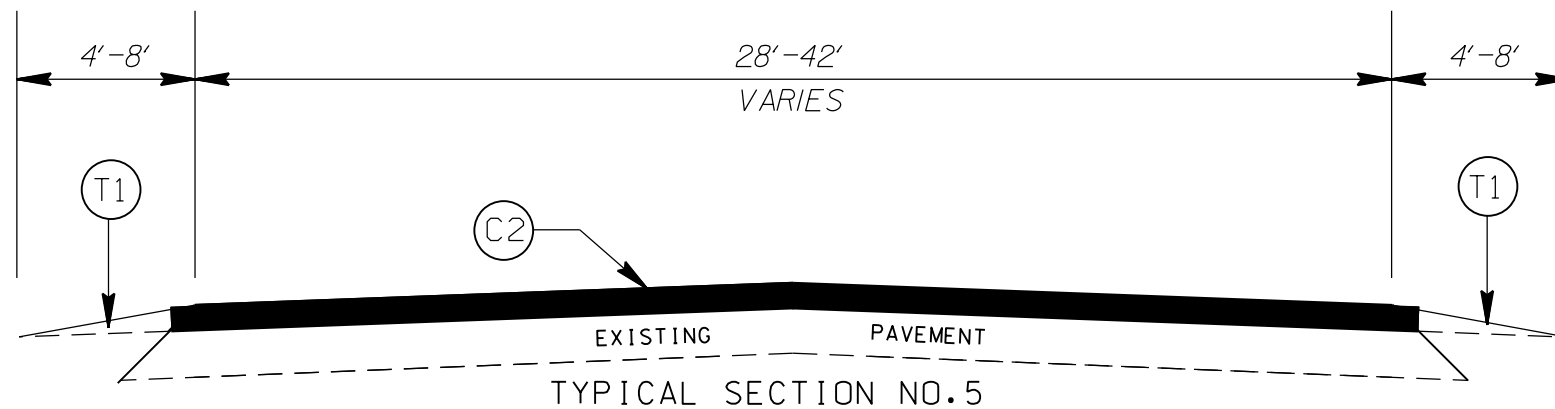
RATE IS VARIABLE AND SHALL BE AS DIRECTED BY THE ENGINEER
 ASPHALT TYPE B25.0C OR I19.0C SHALL BE PLACED WHEN USING S9.5C SURFACE MIX
 ASPHALT TYPE B25.0B OR I19.0B SHALL BE PLACED WHEN USING S9.5B SURFACE MIX



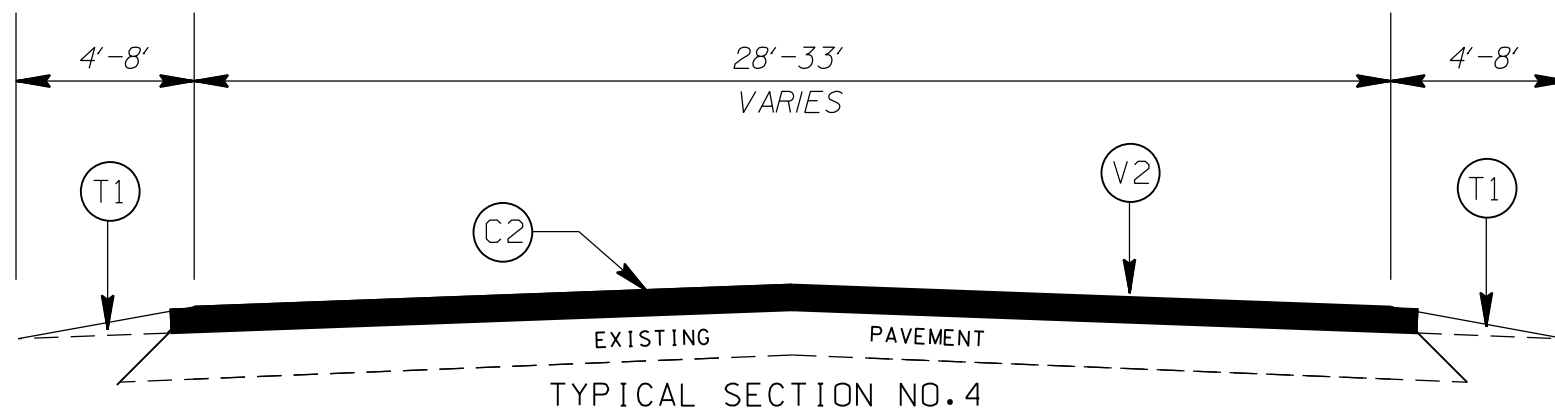
TYPICAL SECTION NO. 7



TYPICAL SECTION NO. 6



TYPICAL SECTION NO. 5



TYPICAL SECTION NO. 4

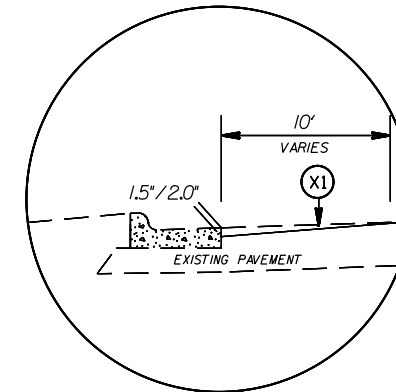
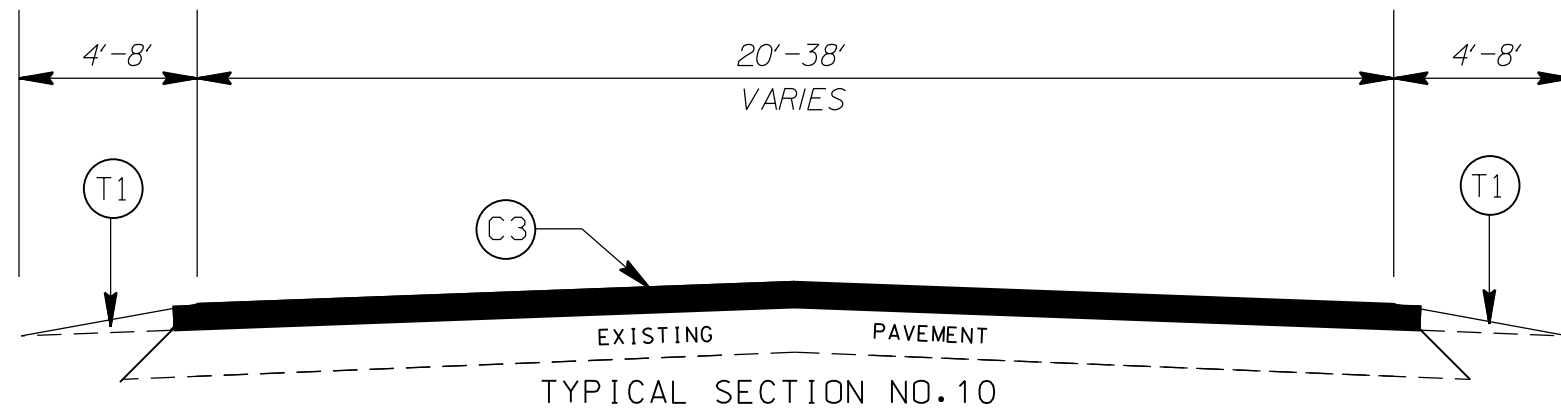
| PAVEMENT SCHEDULE | |
|-------------------|---|
| C1 | PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD. |
| C2 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| C3 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| C4 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. |
| C5 | PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD. |
| C6 | PROP. APPROX. 1.0" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. |
| C7 | PROP. ASPHALT SURFACE TREATMENT, TYPE AST DOUBLE SEAL (#14/78M), TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION |
| D1 | AST MAT COAT # 67 |
| D2 | MAT COAT # 78M |
| T1 | SHOULDER RECONSTRUCTION |
| V1 | MILLING BITUMINOUS PAVEMENT 2.0" DEPTH. AS DIRECTED BY THE ENGINEER |
| V2 | MILLING BITUMINOUS PAVEMENT 1.5" DEPTH. |
| X1 | PROFILE MILLING BITUMINOUS PAVEMENT. 0" TO 1.5" |
| X2 | PROFILE MILLING BITUMINOUS PAVEMENT. 0" TO 2.0" |
| Z | FULL DEPTH RECLAMATION |

NC 73 NOTE: 1.5" MILLING FROM PAVEMENT JOINT AT LAFOREST LN. TO APPROX. 3110' WEST OR AS DIRECTED BY THE ENGINEER

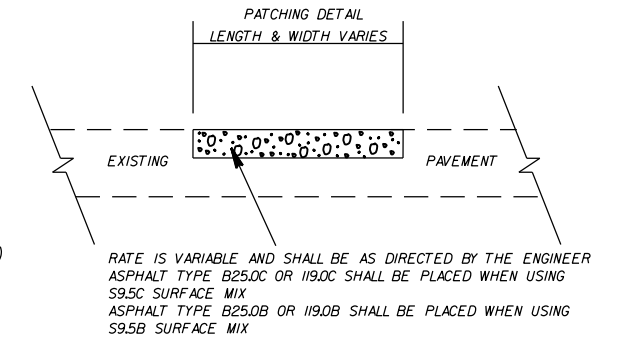
CABARRUS COUNTY
RESURFACING 2016-2017

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|-----------|------|--|-----------|
| SCALE | -NA- | | REVISIONS |
| DATE | 3/16 | | |
| DWG. BY | JDA | | |
| DESIGN BY | JDA | | |
| APPROVED | MPM | | |

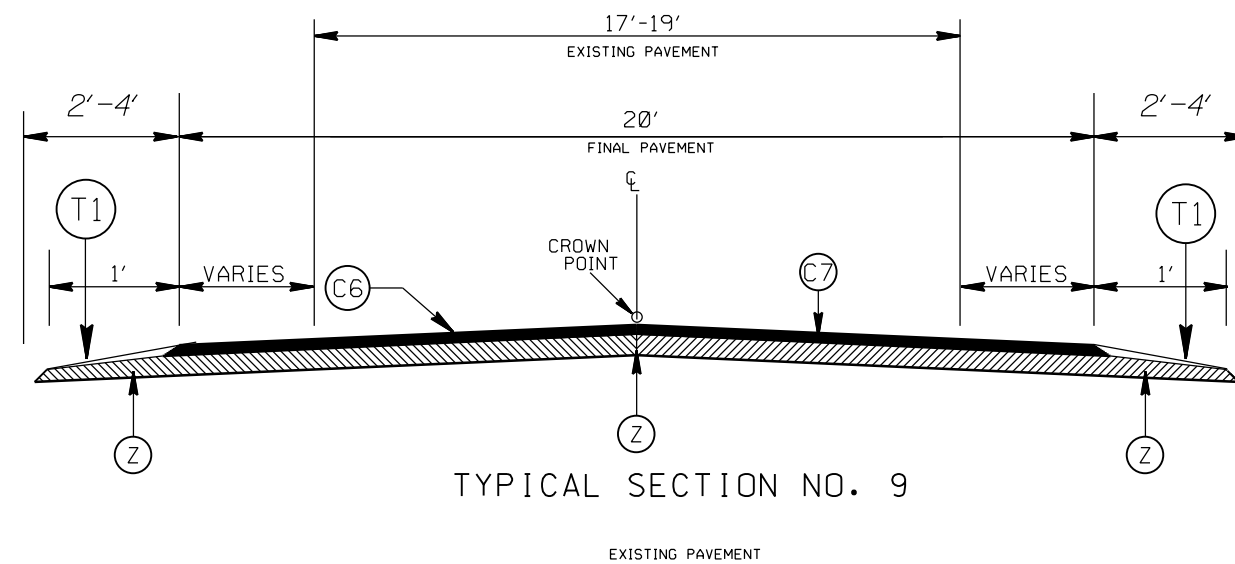
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|------------------|-----------------------------|-----------|--------------|
| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | 2016CPT.10.57.10131.I, ETC. | 7 | |
| F.A. PROJECT NO. | | | |



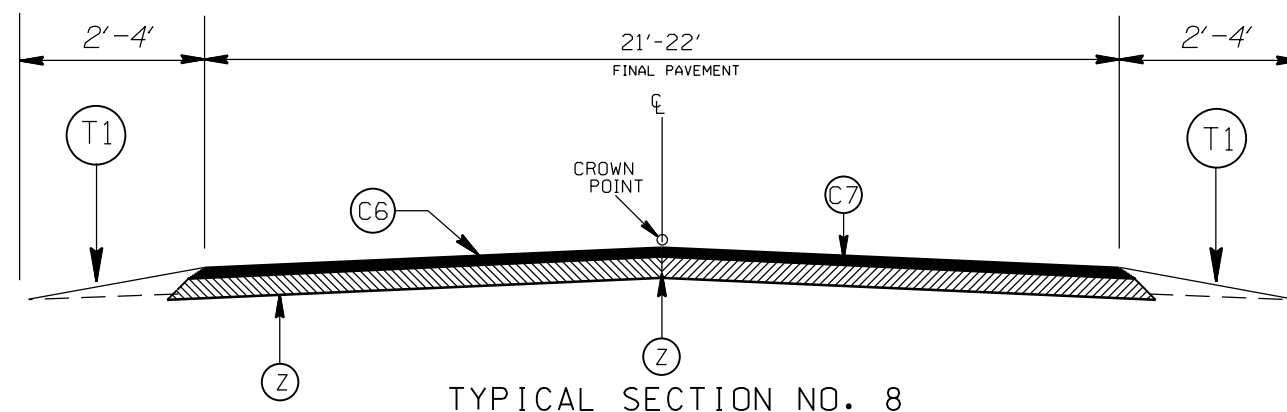
DETAIL FOR PROFILE MILLING (0" TO 1.5")
 DETAIL FOR PROFILE MILLING (0" TO 2.0")



NOTE: DO NOT PAVE NEW RESURFACED SECTION OF HARRIS ROAD 1,050 +/- FEET NORTH OF THE POPLAR TENT ROAD INTERSECTION FOR 850 FEET +/- OR AS DIRECTED BY THE ENGINEER



TYPICAL SECTION NO. 9



TYPICAL SECTION NO. 8

| PAVEMENT SCHEDULE | |
|-------------------|---|
| C1 | PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 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. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| C4 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. |
| C5 | PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD. |
| C6 | PROP. APPROX. 1.0" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. |
| C7 | PROP. ASPHALT SURFACE TREATMENT, TYPE AST DOUBLE SEAL (#14/78M), TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION |
| D1 | AST MAT COAT # 67 |
| D2 | MAT COAT # 78M |
| T1 | SHOULDER RECONSTRUCTION |
| V1 | MILLING BITUMINOUS PAVEMENT 2.0" DEPTH. AS DIRECTED BY THE ENGINEER |
| V2 | MILLING BITUMINOUS PAVEMENT 1.5" DEPTH. |
| X1 | PROFILE MILLING BITUMINOUS PAVEMENT. 0" TO 1.5" |
| X2 | PROFILE MILLING BITUMINOUS PAVEMENT. 0" TO 2.0" |
| Z | FULL DEPTH RECLAMATION |

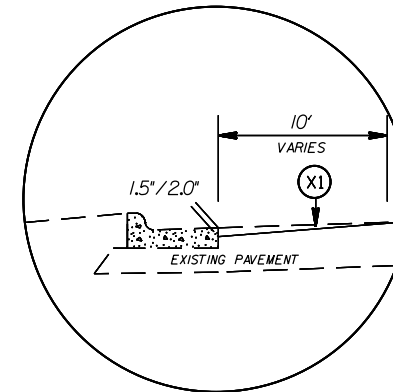
CABARRUS COUNTY
 RESURFACING 2016-2017

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|-----------|------|
| SCALE | -NA- |
| DATE | 3/16 |
| DWG. BY | JDA |
| DESIGN BY | JDA |
| APPROVED | MPM |

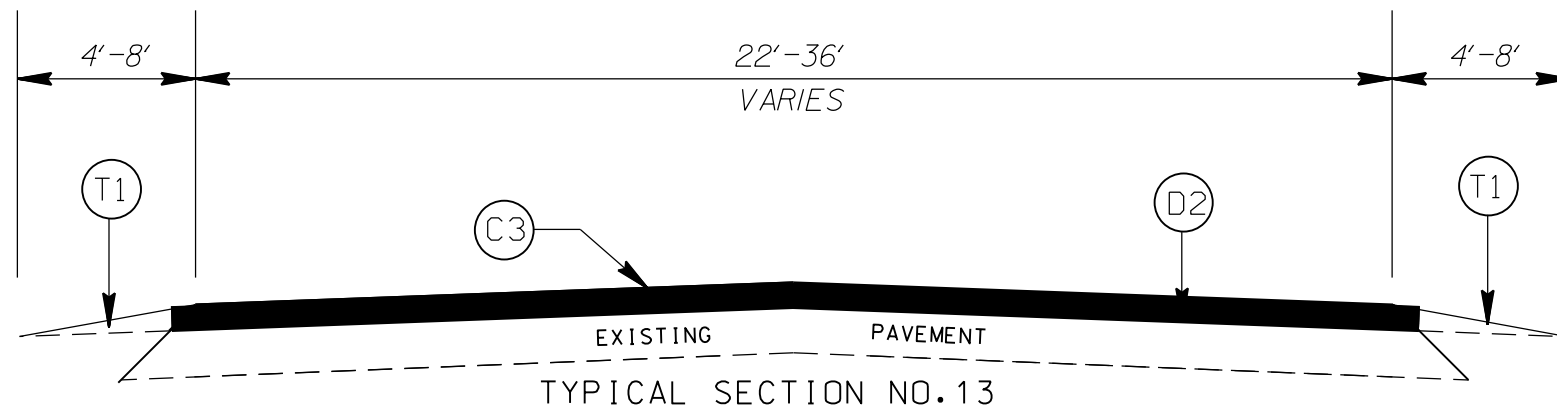
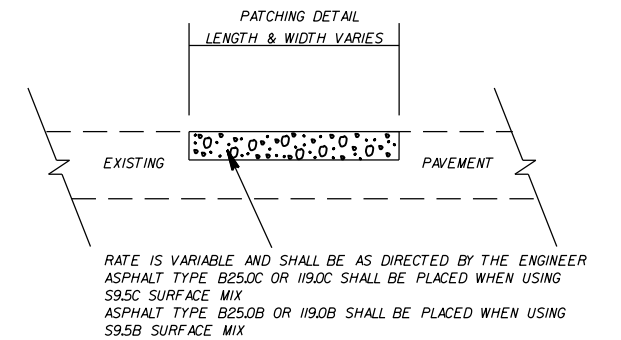


| REVISIONS | |
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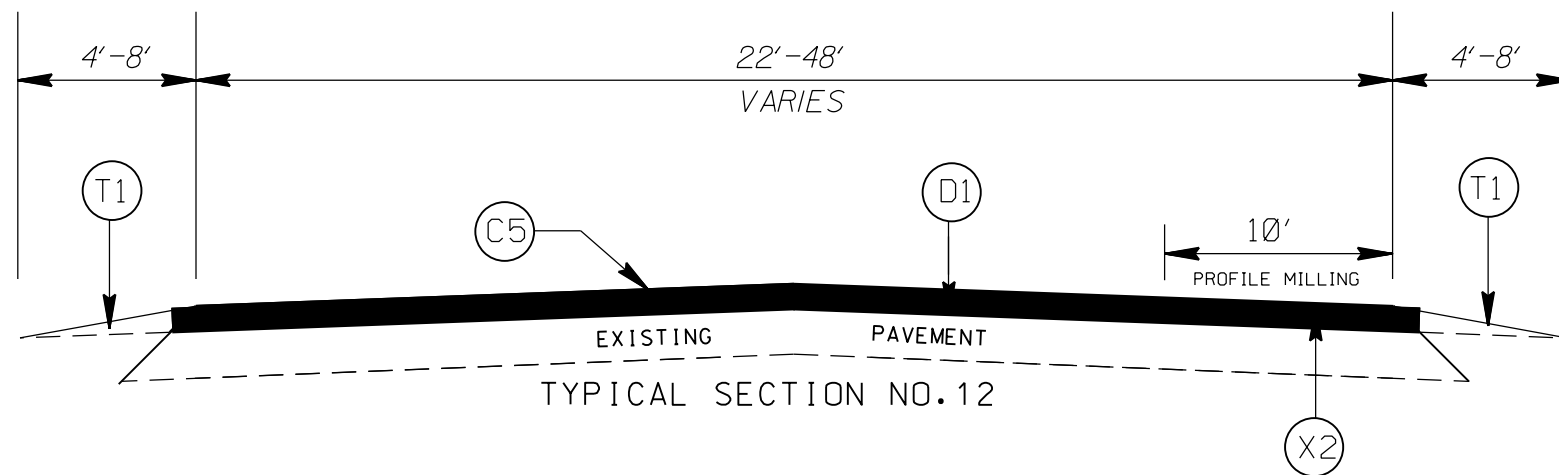
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| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | 2016CPT.10.57.10131.1, ETC. | 8 | |
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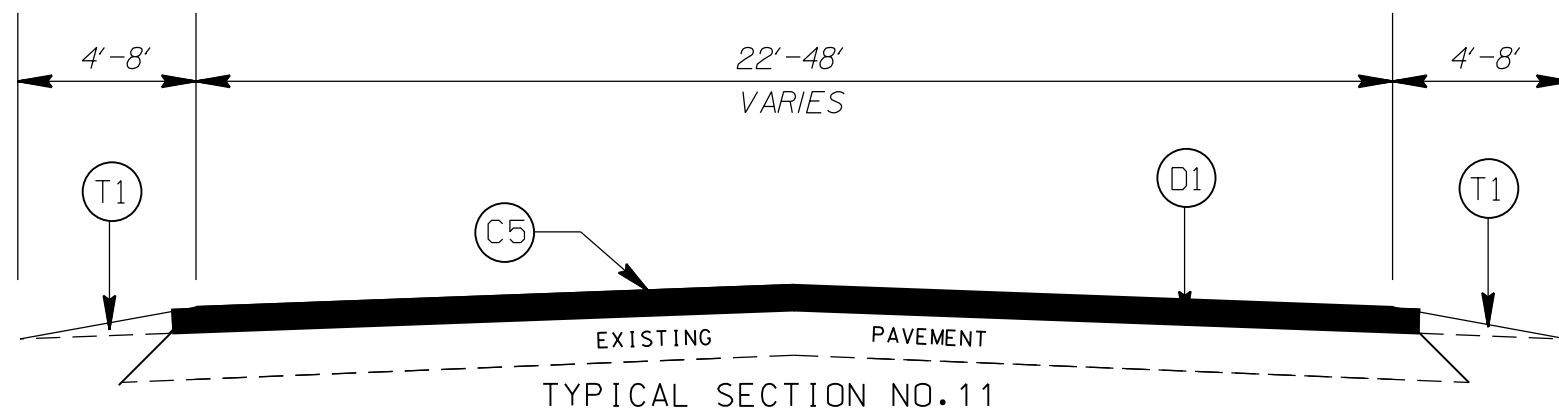
DETAIL FOR PROFILE MILLING (0" TO 1.5")
 DETAIL FOR PROFILE MILLING (0" TO 2.0")



TYPICAL SECTION NO.13



TYPICAL SECTION NO.12



TYPICAL SECTION NO.11

| PAVEMENT SCHEDULE | |
|-------------------|---|
| C1 | PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 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. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| C4 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. |
| C5 | PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD. |
| C6 | PROP. APPROX. 1.0" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. |
| C7 | PROP. ASPHALT SURFACE TREATMENT, TYPE AST DOUBLE SEAL (#14/78M), TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION |
| D1 | AST MAT COAT # 67 |
| D2 | MAT COAT # 78M |
| T1 | SHOULDER RECONSTRUCTION |
| V1 | MILLING BITUMINOUS PAVEMENT 2.0" DEPTH. AS DIRECTED BY THE ENGINEER |
| V2 | MILLING BITUMINOUS PAVEMENT 1.5" DEPTH. |
| X1 | PROFILE MILLING BITUMINOUS PAVEMENT. 0" TO 1.5" |
| X2 | PROFILE MILLING BITUMINOUS PAVEMENT. 0" TO 2.0" |
| Z | FULL DEPTH RECLAMATION |

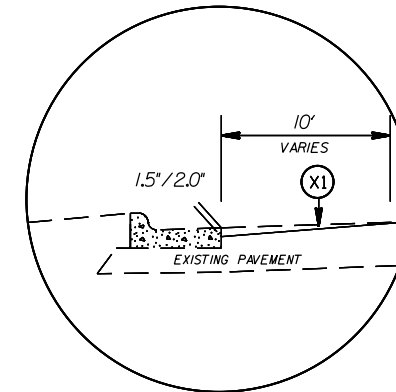
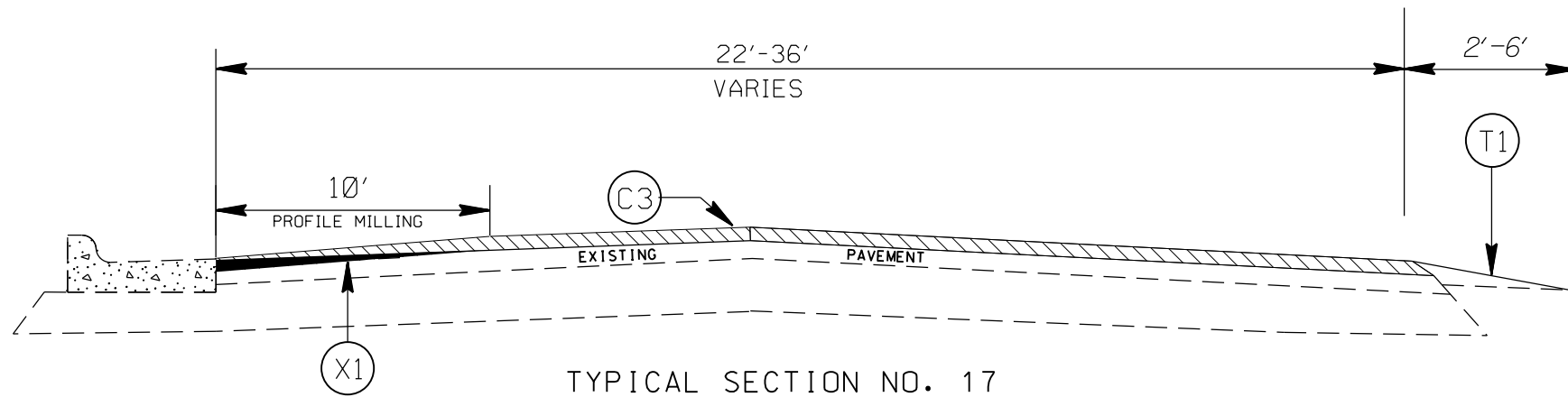
CABARRUS COUNTY
 RESURFACING 2016-2017

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| SCALE | -NA- |
| DATE | 3/16 |
| DWG. BY | JDA |
| DESIGN BY | JDA |
| APPROVED | MPM |

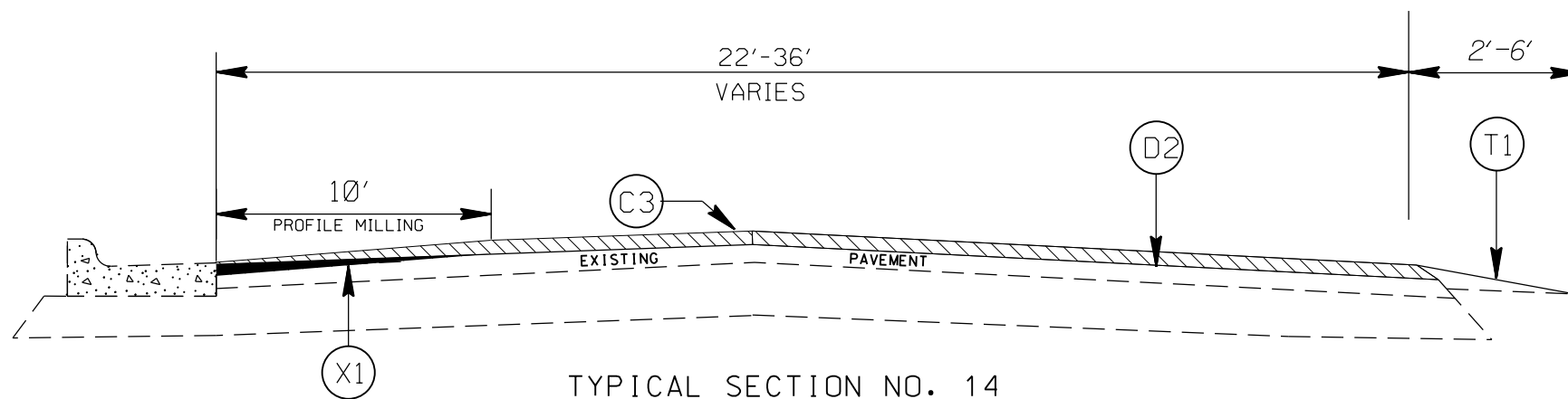
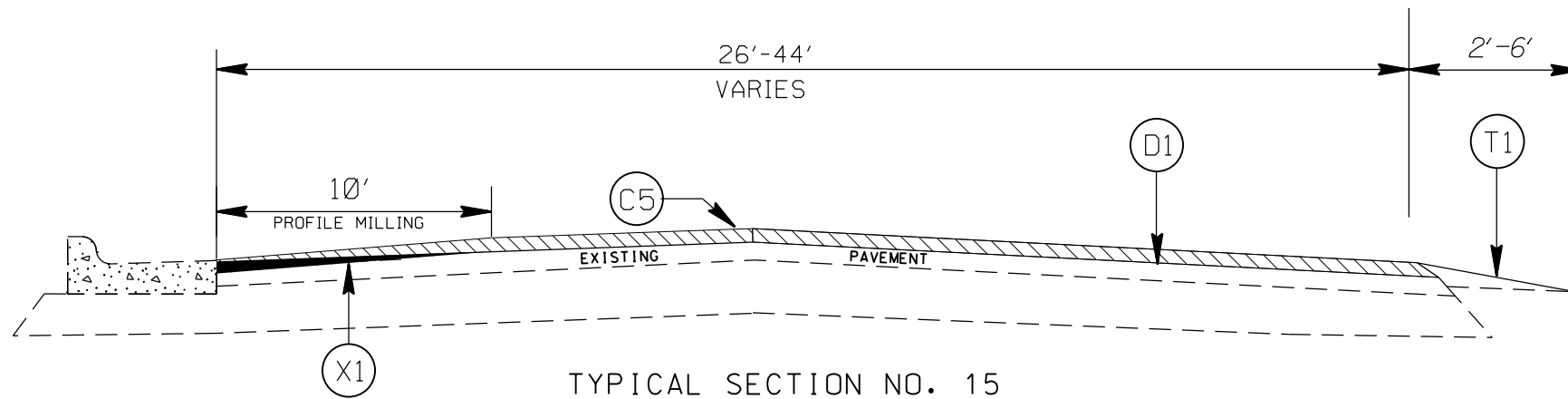
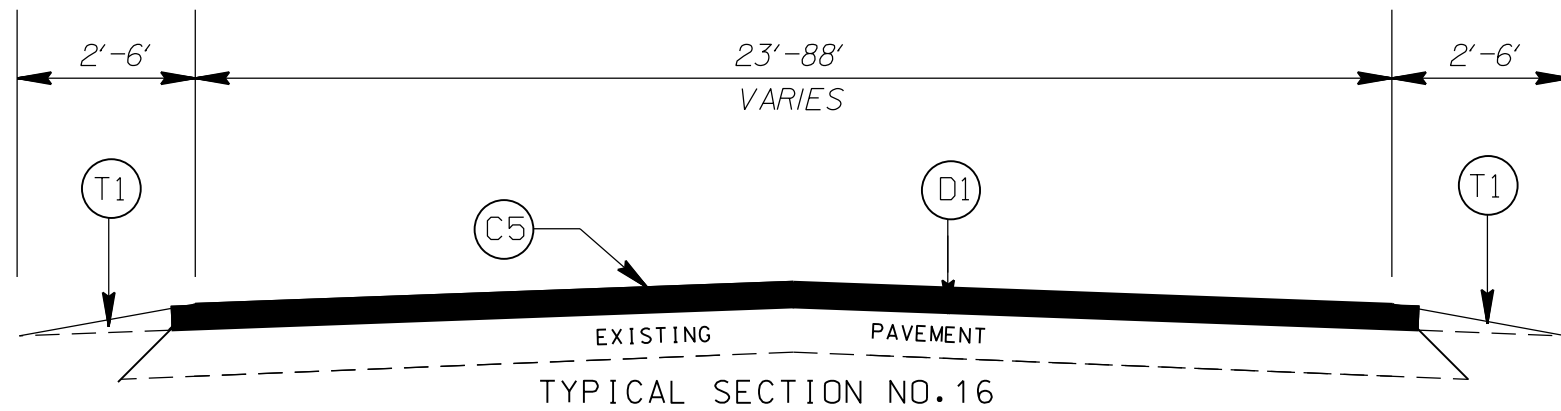
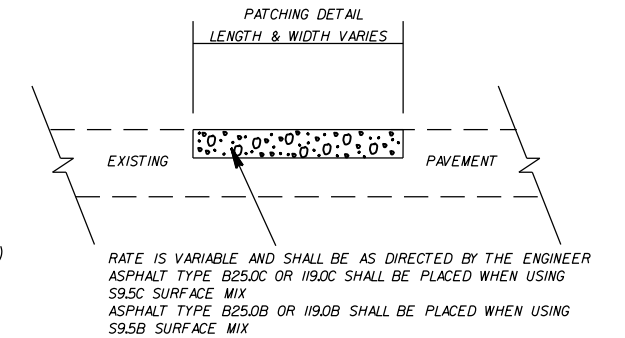


| REVISIONS | |
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| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | 2016CPT.10.57.10131.I, ETC. | 9 | |
| F.A. PROJECT NO. | | | |



DETAIL FOR PROFILE MILLING (0" TO 2.0")



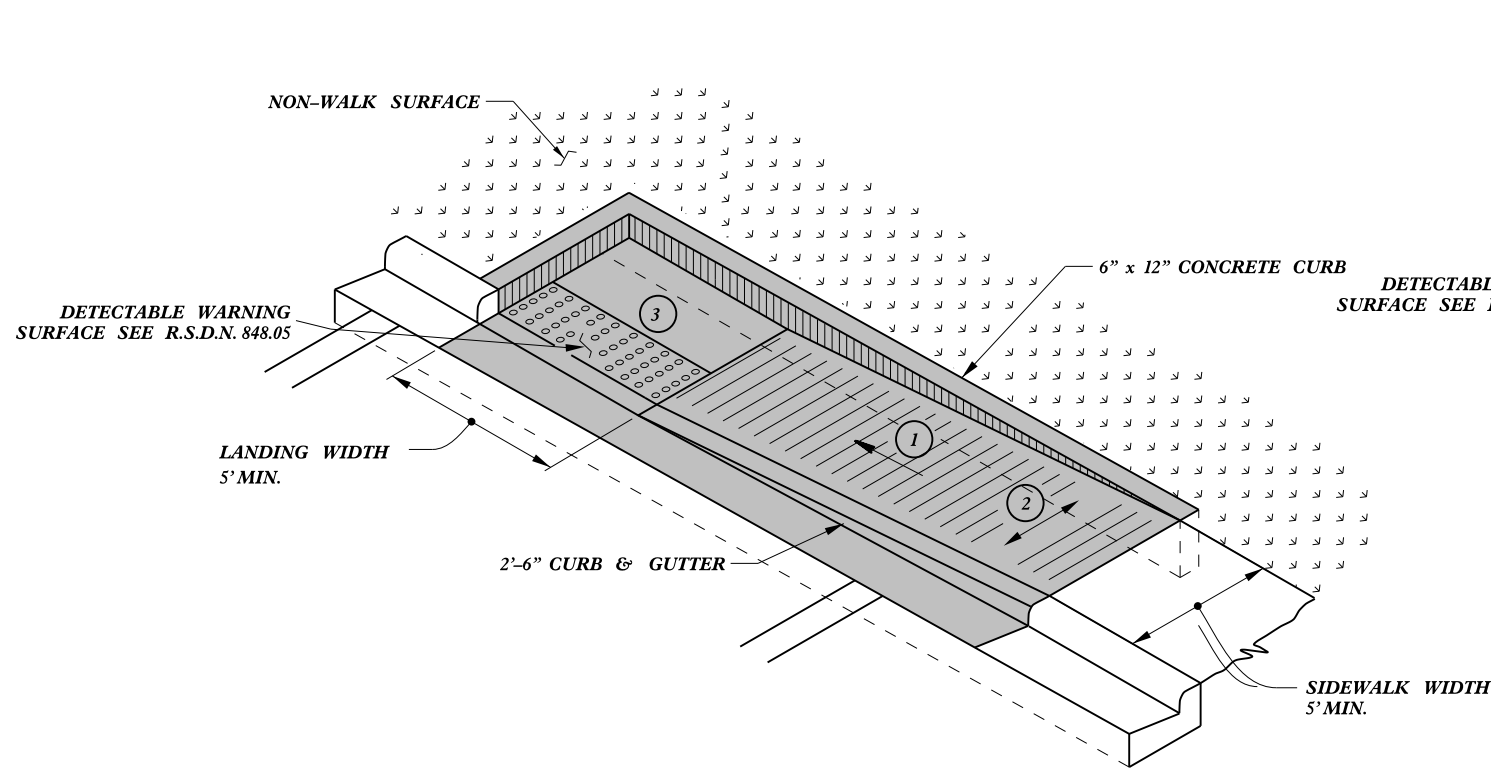
| PAVEMENT SCHEDULE | |
|-------------------|---|
| C1 | PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD. |
| C2 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| C3 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| C4 | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. |
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| C7 | PROP. ASPHALT SURFACE TREATMENT, TYPE AST DOUBLE SEAL (#14/78M), TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION |
| D1 | AST MAT COAT # 67 |
| D2 | MAT COAT # 78M |
| T1 | SHOULDER RECONSTRUCTION |
| V1 | MILLING BITUMINOUS PAVEMENT 2.0" DEPTH. AS DIRECTED BY THE ENGINEER |
| V2 | MILLING BITUMINOUS PAVEMENT 1.5" DEPTH. |
| X1 | PROFILE MILLING BITUMINOUS PAVEMENT. 0" TO 1.5" |
| X2 | PROFILE MILLING BITUMINOUS PAVEMENT. 0" TO 2.0" |
| Z | FULL DEPTH RECLAMATION |

CABARRUS COUNTY
RESURFACING 2016-2017

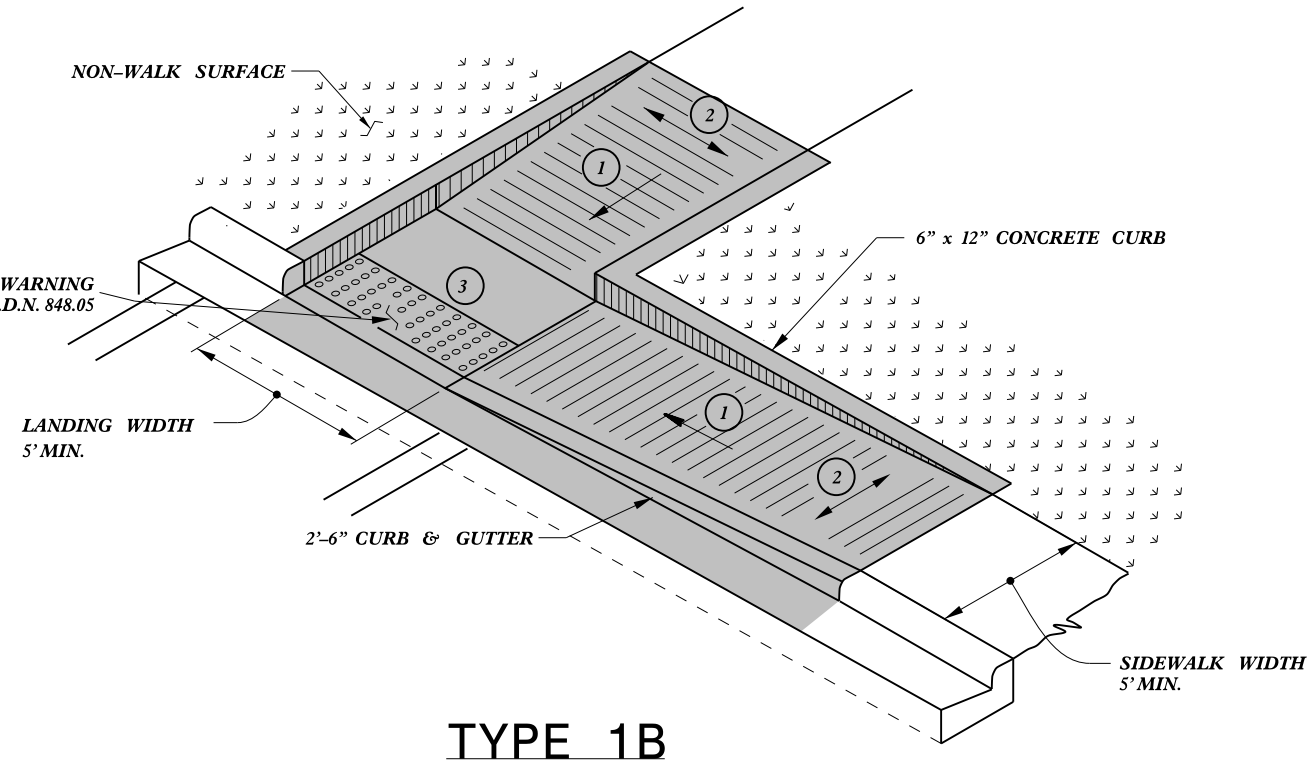
SCALE -NA-
DATE 3/16
DWG. BY JDA
DESIGN BY JDA
APPROVED MPM



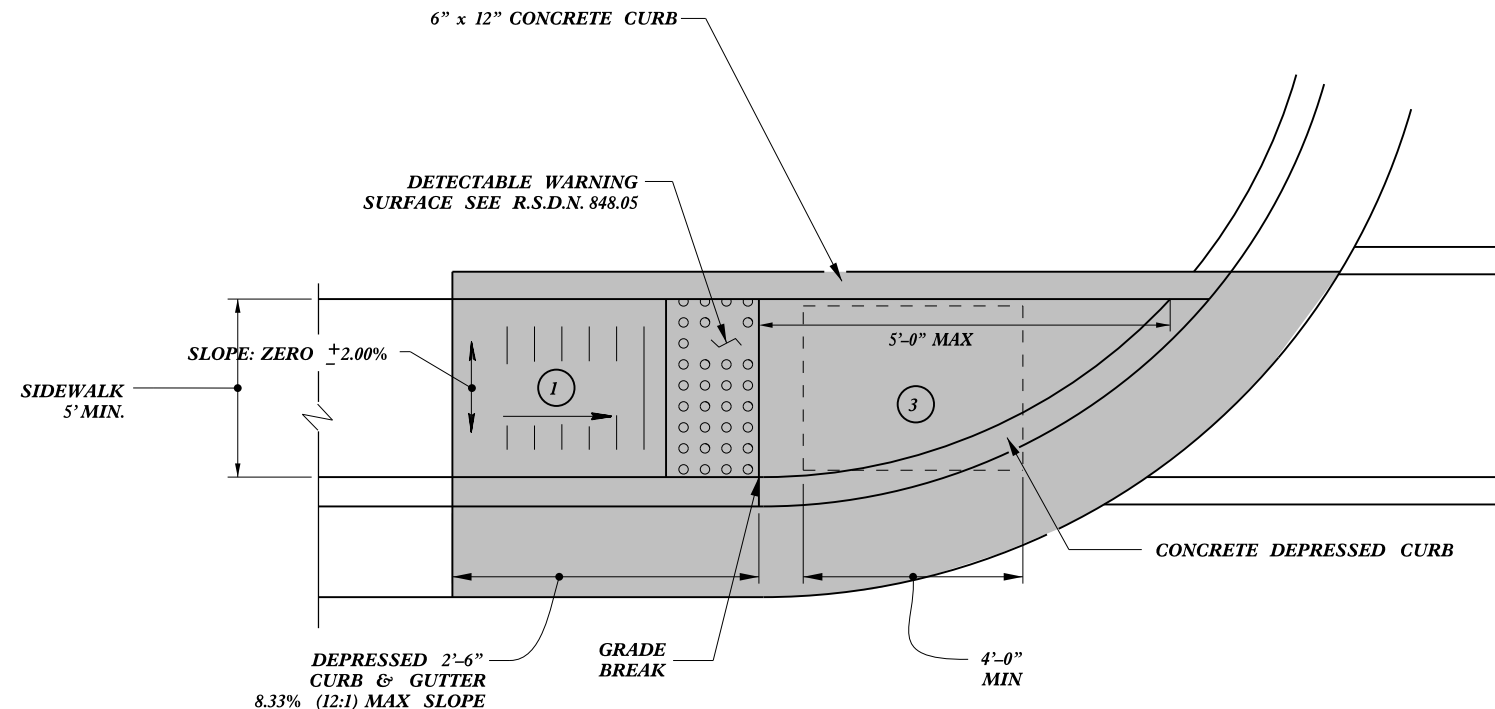
| REVISIONS | |
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TYPE 1A



TYPE 1B



TYPE 1

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.

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



DocuSign by
Joel S. Howerton

449E8E25522144F...
11/18/2015

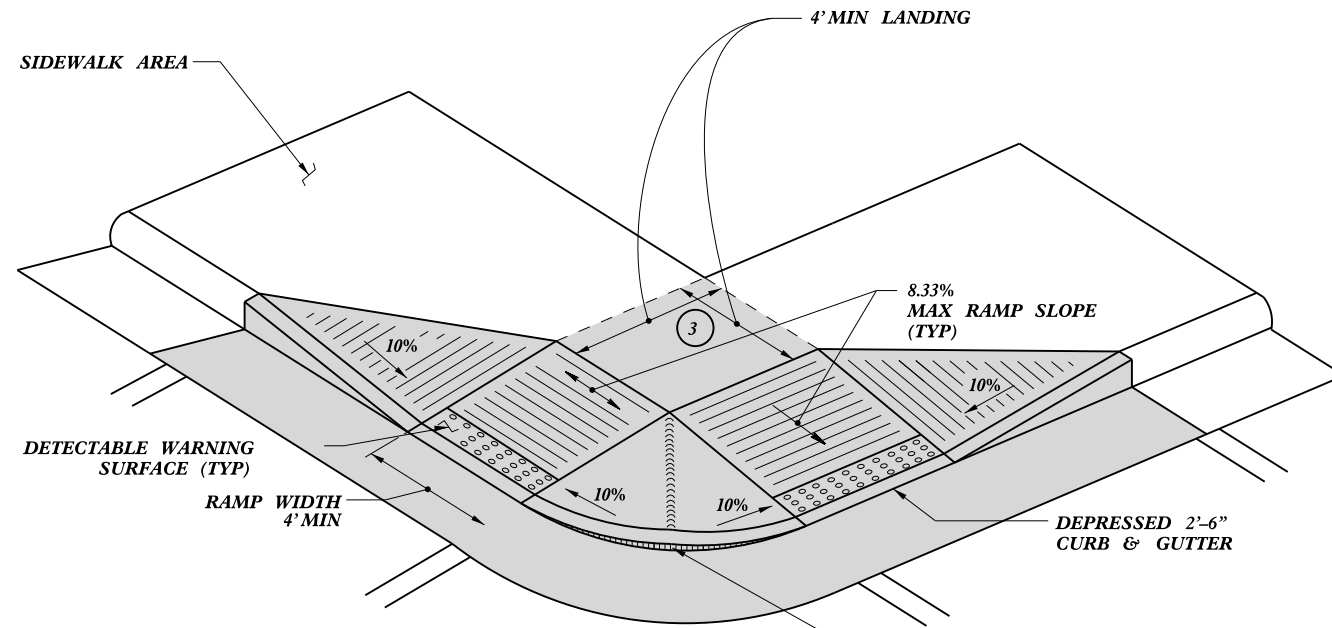
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CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

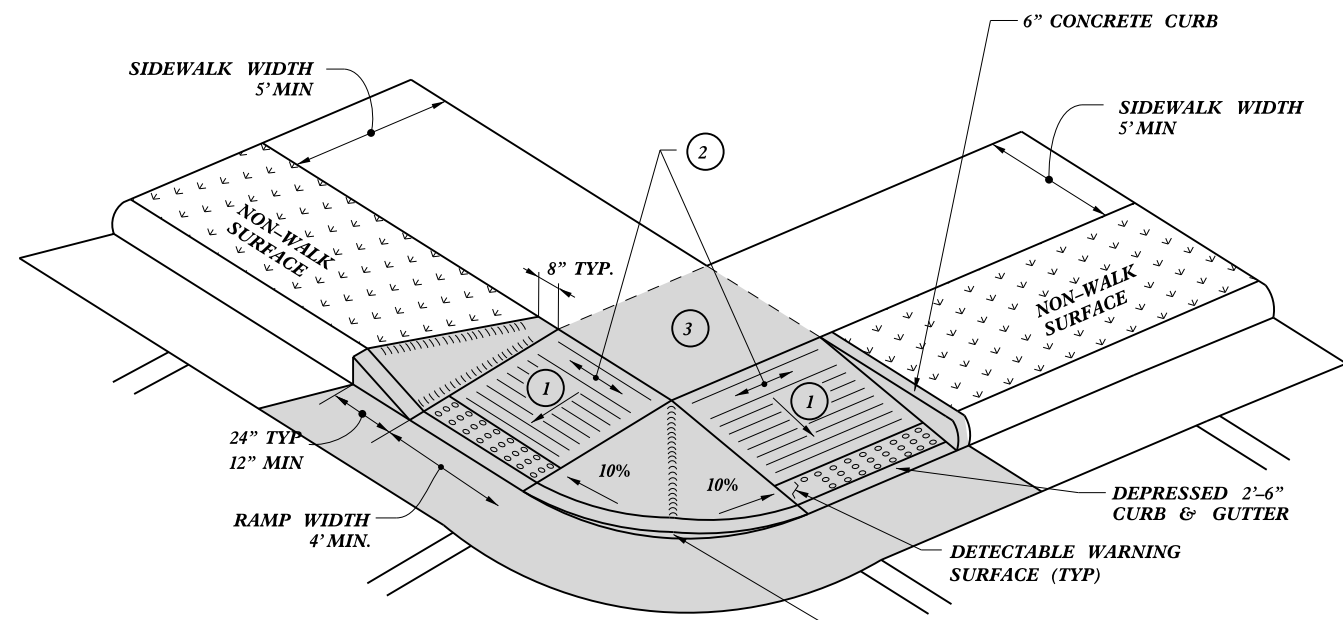
CURB RAMPS
Directional Ramps

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

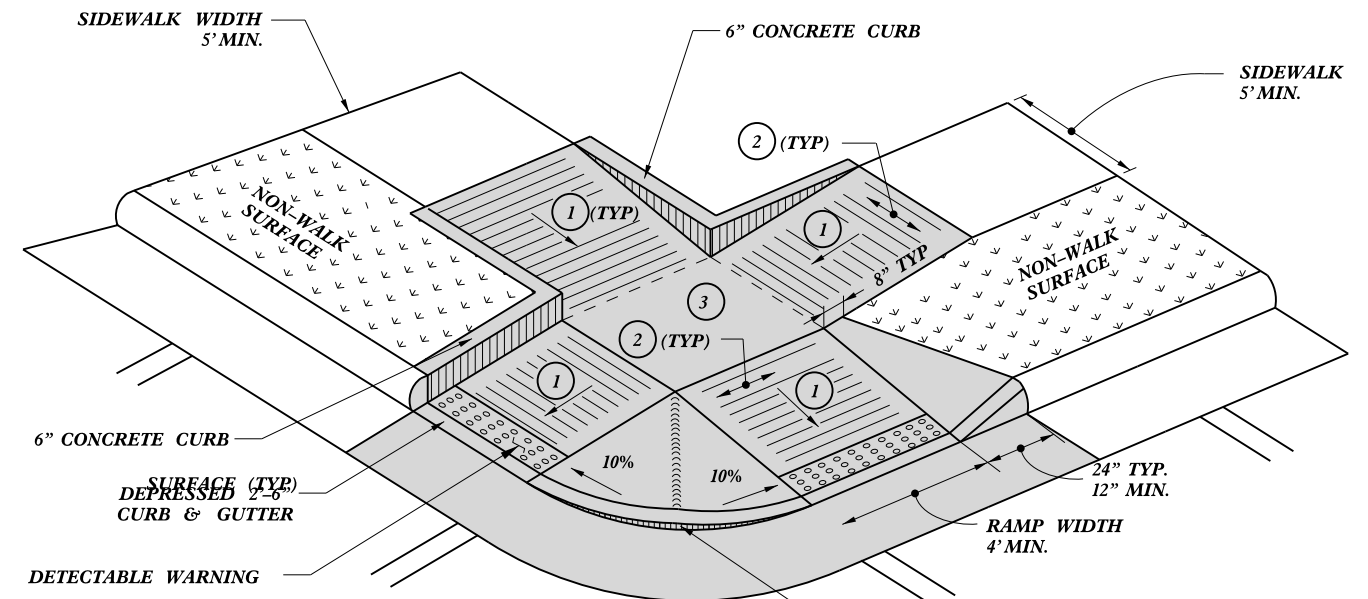
5/14/99
CONSTRUCTION USER NAME
DATE



TYPE 4



TYPE 4A



TYPE 5

PAY LIMITS FOR 2 CURB RAMPS

- 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

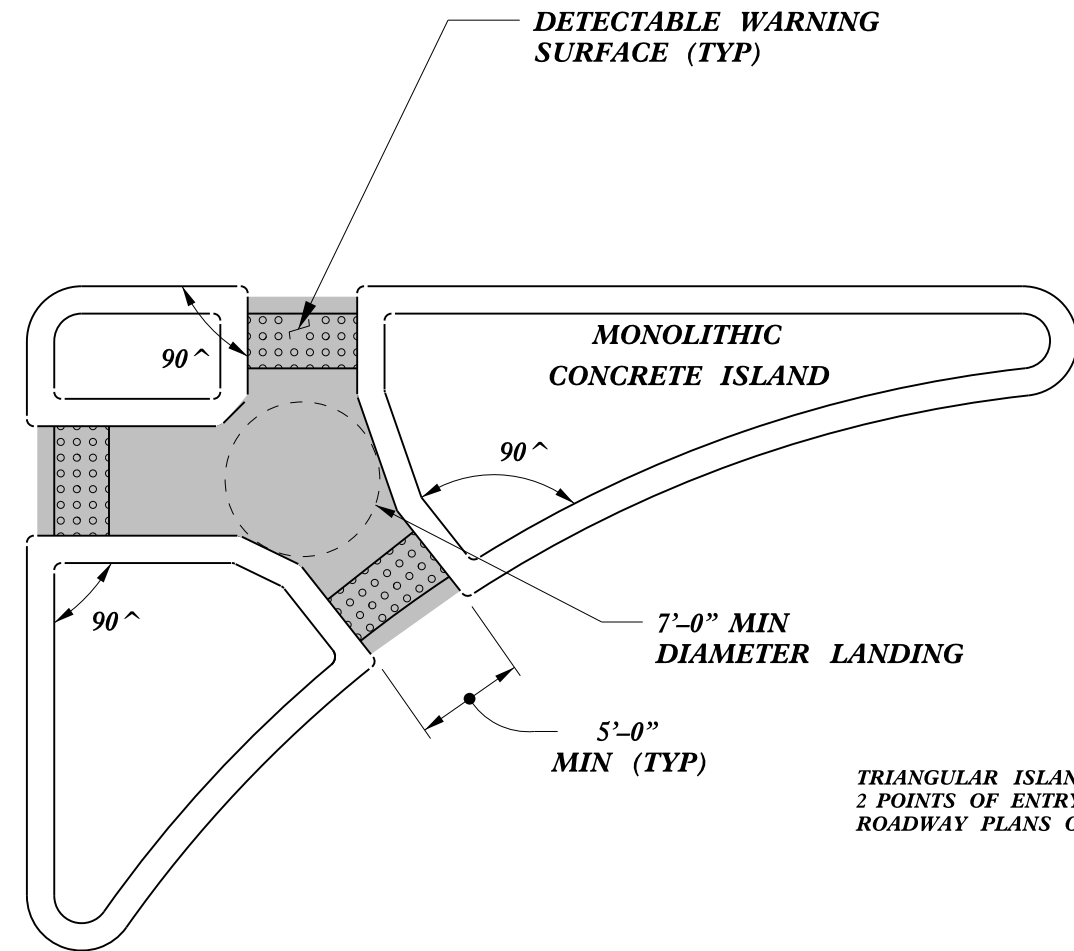
CURB RAMPS
Shared Landing

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

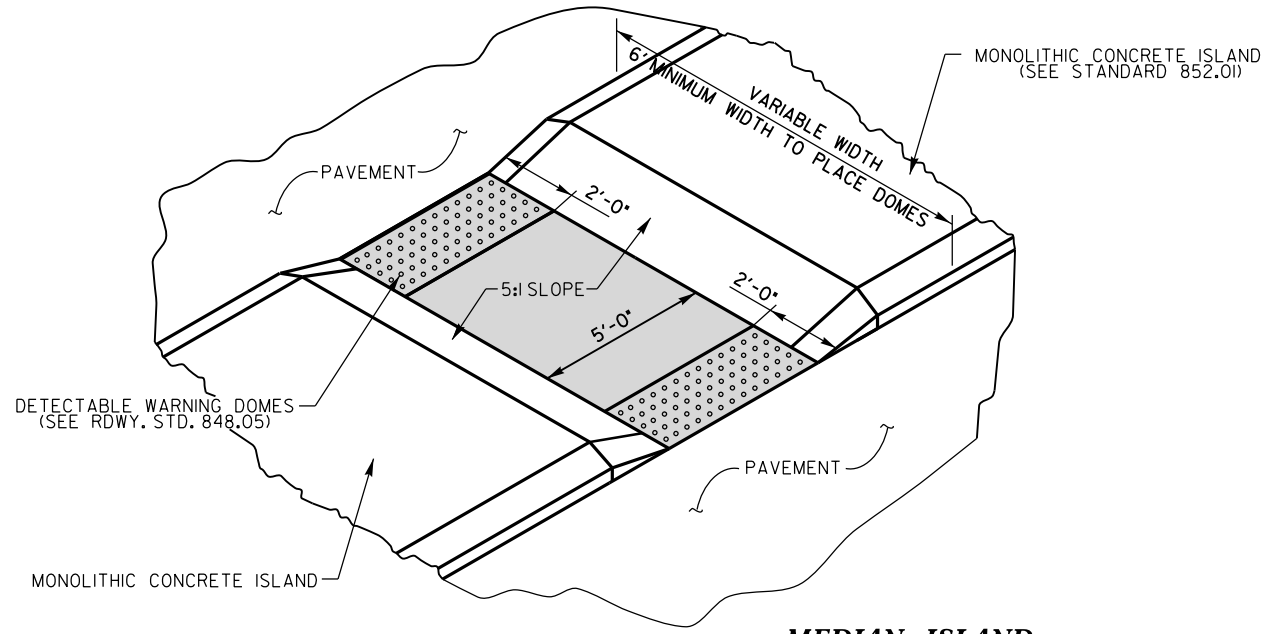
5/14/14/599

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

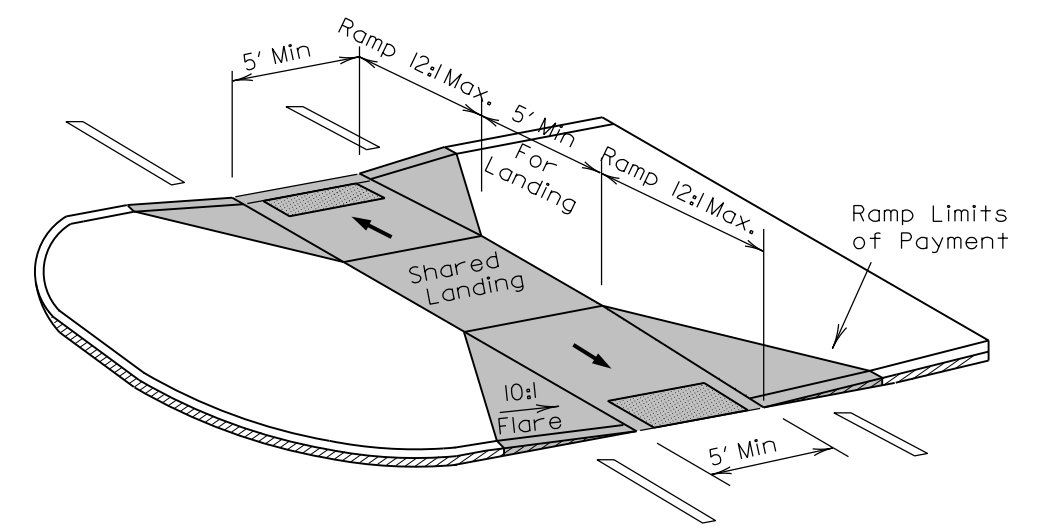


TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY
2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE
ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.

**TRIANGULAR ISLAND
WITH CUT THROUGH**



**MEDIAN ISLAND
WITH CUT THROUGH**



**MEDIAN ISLAND
CURB RAMPS**

5/14/99
SYTIME
SERIAL
DATE
C:\P\2016\10\57\10131\1\14.dwg
USER: JSH
PLT: JSH

11/18/2015

DocuSign
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Joel S. Howerton
449E8E25522144F...

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

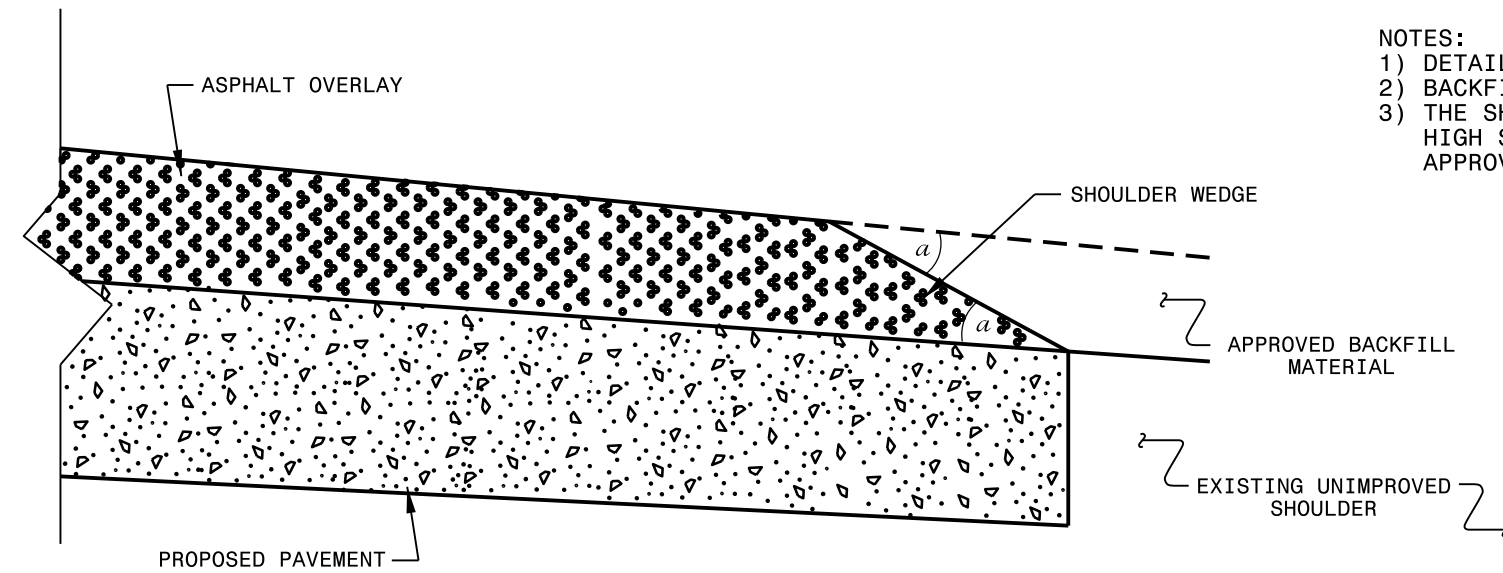
**CONTRACT STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

CURB RAMPS
Median or Turn Lane Islands

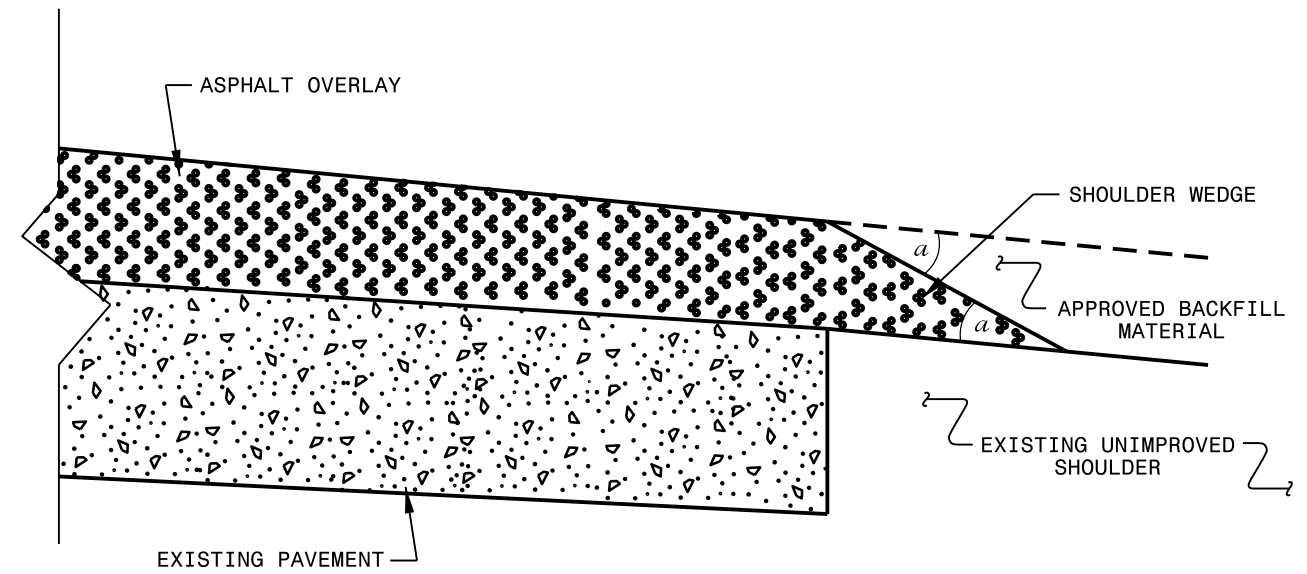
ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
MODIFIED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dwg

NOTES:

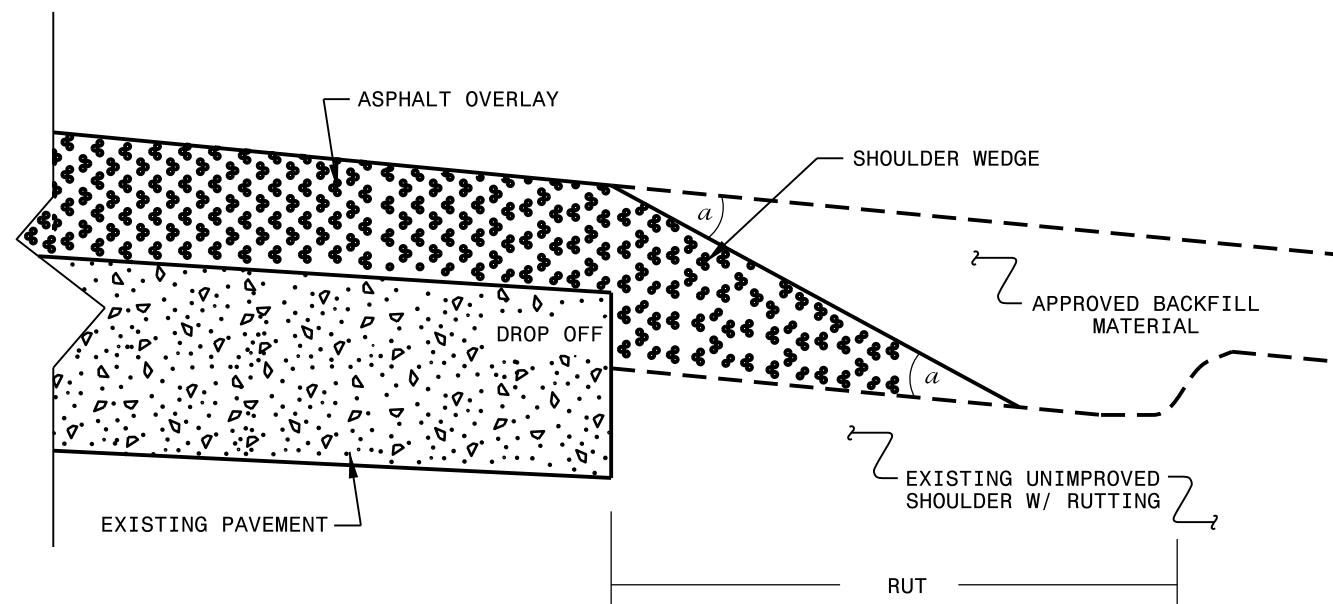
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
- 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
- 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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.: | szusr/details/stand/shoulderwedgedetail.dgn | | |

24-MAR-2016 11:45
 S:\Contracts\Resurfacing Projects\Shoulder Wedge Details\Revised Shoulder Wedge Detail.dgn
 \$\$\$USERNAME\$\$\$

SUMMARY OF QUANTITIES

| PROJECT NO. | COUNTY | MAP NO. | ROUTE | DESCRIPTION | TYP | LANES | LANE TYPE | FINAL SURFACE TESTING REQUIRED | WARM MIX ASPHALT REQUIRED | LENGTH MI | WIDTH FT | BORROW CY | SOIL CEMENT BASE (FDR) SY | PORTLAND CEMENT FOR SOIL CEMENT BASE TONS | INCIDENTAL STONE BASE TONS | SHOULDER RECONSTRUCTION SMI | 2" MILLING SY | 1 1/2" MILLING SY | 0" TO 2.0" MILLING SY | 0" TO 1.5" MILLING SY | INCIDENTAL MILLING SY | SURFACE COURSE, S9.5B TONS | LEVELING COURSE, S9.5B TONS | SURFACE COURSE, S9.5C TONS | LEVELING COURSE, S9.5C TONS | ASPHALT CONC SURFACE COURSE, TYPE SF9.5A TON | ASPHALT CONC SURFACE COURSE, TYPE SF9.5A (LEVELING COURSE) TON | ASPHALT BINDER FOR PATCH MIX TON | PATCHING EXISTING PAVEMENT TONS | ASPHALT SURFACE TREATMENT, MATCOAT, #78M STONE SY | ASPHALT SURFACE TREATMENT, MATCOAT, #67 STONE SY | ASPHALT SURFACE TREATMENT, DOUBLE SEAL SY | EMULSION FOR ASPHALT SURFACE TREATMENT GAL | 6" DRIVEWAYS SY | RETROFIT EXISTING CURB RAMPS EA | ADI. OF MANHOLES EA | ADI. OF METER OR VALVE BOX EA | TEMPORARY SILT FENCE LF | WATTLE LF | | | | | |
|---|----------|---------|----------------------------------|--|-----|-------|-----------|--------------------------------|---------------------------|-----------|----------|-----------|---------------------------|---|----------------------------|-----------------------------|---------------|-------------------|-----------------------|-----------------------|-----------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|--|--|----------------------------------|---------------------------------|---|--|---|--|-----------------|---------------------------------|---------------------|-------------------------------|-------------------------|-----------|-----|-----|-----|--|--|
| 2016CPT.10.57.10131.1 | Cabarrus | 1 | US 601 | FROM SR 1002 (CABARRUS AVE) TO SR 1335 (OLD CHARLOTTE RD) MP 16.36 TO MP 17.40 | | 2 | | NO | NO | 1.04 | 26'-41' | 250 | | | | 2.08 | 4,000 | | 230 | | 600 | | | 2,638 | 200 | | | 169 | 300 | | | 22,422 | | 7,850 | | | | | | | | | | |
| TOTAL FOR MAP NO. 1 | | | | | | | | | | 1.04 | | 250 | | | | 2.08 | 4,000 | | 230 | | 600 | | | 2,638 | 200 | | | 169 | 300 | | | 22,422 | | 7,850 | | | | | | | | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.10131.1 | | | | | | | | | | 1.04 | | 250 | | | | 2.08 | 4,000 | | 230 | | 600 | | | 2,638 | 200 | | | 169 | 300 | | | 22,422 | | 7,850 | | | | | | | | | | |
| 2016CPT.10.57.10131.2 | Cabarrus | 2 | NC 49 | FROM SR 2444 (ST STEPHENS CH RD) TO SR 2450 (GOLD HILL RD) MP 18.73 TO MP 22.43 | | 2 | | NO | NO | 3.6 | 24' | 828 | | | | 7.20 | | | | | | | | 6,398 | 500 | | | 410 | 800 | | | 52,596 | | 18,410 | | | | | | 200 | 300 | | | |
| TOTAL FOR MAP NO. 2 | | | | | | | | | | 3.6 | | 828 | | | | 7.20 | | | | | | | | 6,398 | 500 | | | 410 | 800 | | | 52,596 | | 18,410 | | | | | 200 | 300 | | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.10131.2 | | | | | | | | | | 3.6 | | 828 | | | | 7.20 | | | | | | | | 6,398 | 500 | | | 410 | 800 | | | 52,596 | | 18,410 | | | | | 200 | 300 | | | | |
| 2016CPT.10.57.10131.3 | Cabarrus | 3 | NC 73 | FROM SR 1507 (LAFOREST LN TO SR 1442 (ODELL SCHOOL RD) MP 3.54 TO MP 2.13 | | 2 | | NO | NO | 1.36 | 28'-33' | 315 | | | | 2.72 | | 10,800 | | 230 | | 450 | | | 2,362 | 200 | | | 152 | 300 | | | | | | | | | | 200 | 320 | | | |
| TOTAL FOR MAP NO. 3 | | | | | | | | | | 1.36 | | 315 | | | | 2.72 | | 10,800 | | 230 | | 450 | | | 2,362 | 200 | | | 152 | 300 | | | | | | | | | 200 | 320 | | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.10131.3 | | | | | | | | | | 1.36 | | 315 | | | | 2.72 | | 10,800 | | 230 | | 450 | | | 2,362 | 200 | | | 152 | 300 | | | | | | | | 200 | 320 | | | | | |
| 2016CPT.10.57.20131.1 | Cabarrus | 4 | SR 1613 (EARNHARDT LAKE RD) | FROM NC 3 TO NC 3 MP 0.00 TO MP 2.12 | | 2 | | NO | NO | 2.12 | 20' | 212 | | | | 75 | | | | | | | | | | 1,665 | 100 | 118 | 100 | | | | | | | | | | | | | | | |
| TOTAL FOR MAP NO. 4 | | | | | | | | | | 2.12 | | 212 | | | | 75 | | | | | | | | | | 1,665 | 100 | 118 | 100 | | | | | | | | | | | | | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.20131.1 | | | | | | | | | | 2.12 | | 212 | | | | 75 | | | | | | | | | | 1,665 | 100 | 118 | 100 | | | | | | | | | | | | | | | |
| 2016CPT.10.57.20131.2 | Cabarrus | 5 | SR 1309 (STOUGH RD) | FROM NC 49 TO PAVEMENT JOINT BEFORE SR 1304 (ROBERTA RD) MP 0.00 TO MP 1.84 | | 2 | | NO | NO | 1.56 | 22'-28' | 300 | | | | 117 | | | | | | | | | | | | 142 | 300 | | | | | | | | | | | 200 | 320 | | | |
| TOTAL FOR MAP NO. 5 | | | | | | | | | | 1.56 | | 300 | | | | 117 | | | | | | | | | | | | 142 | 300 | | | | | | | | | | 200 | 320 | | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.20131.2 | | | | | | | | | | 1.56 | | 300 | | | | 117 | | | | | | | | | | | | 142 | 300 | | | | | | | | | | 200 | 320 | | | | |
| 2016CPT.10.57.20131.4 | Cabarrus | 6 | SR 1307 (BLACKWELDER RD) | FROM SR 1304 (ROBERTA RD) NC 49 PAVEMENT JOINT MP 0.00 TO MP 0.95 | | 2 | | NO | NO | 0.95 | 20' | 110 | | | | 25 | | | | | | | | | | | 856 | 100 | 63 | 150 | | | | | | | | | | | | 160 | | |
| TOTAL FOR MAP NO. 6 | | | | | | | | | | 0.95 | | 110 | | | | 25 | | | | | | | | | | | 856 | 100 | 63 | 150 | | | | | | | | | | | 160 | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.20131.4 | | | | | | | | | | 0.95 | | 110 | | | | 25 | | | | | | | | | | | 856 | 100 | 63 | 150 | | | | | | | | | | | 160 | | | |
| 2016CPT.10.57.20131.5 | Cabarrus | 7 | SR 1100 (BARRIER GEORGEVILLE RD) | FROM SR 2622 (BARRIER STORE RD) TO PAST SR 1132 (MIAMI CH RD) MP 0.00 TO MP 1.65 | | 2 | | NO | NO | 1.65 | 21'-22' | 180 | | | | 83 | | | | | | | | | | | 1,317 | 200 | 100 | | | | | | | | | | | | 400 | 560 | | |
| TOTAL FOR MAP NO. 7 | | | | | | | | | | 1.65 | | 180 | | | | 83 | | | | | | | | | | | 1,317 | 200 | 100 | | | | | | | | | | | 400 | 560 | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.20131.5 | | | | | | | | | | 1.65 | | 180 | | | | 83 | | | | | | | | | | | 1,317 | 200 | 100 | | | | | | | | | | | 400 | 560 | | | |
| 2016CPT.10.57.20131.6 | Cabarrus | 8 | SR 1199 (OAK HOLLOW LN EXT) | FROM SR 1168 (ROBINSON CH RD) TO END OF MAINTENANCE MP 0.00 TO MP 0.43 | | 2 | | NO | NO | 0.39 | 20' | | | | | | | | | | | | | | | | 426 | 29 | | | | | | | | | | | | | 200 | 80 | | |
| TOTAL FOR MAP NO. 8 | | | | | | | | | | 0.39 | | | | | | | | | | | | | | | | | 426 | 29 | | | | | | | | | | | | 200 | 80 | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.20131.6 | | | | | | | | | | 0.39 | | | | | | | | | | | | | | | | | 426 | 29 | | | | | | | | | | | | 200 | 80 | | | |
| 2016CPT.10.57.20131.7 | Cabarrus | 9 | SR 1203 (ROCKWOOD RD) | FROM SR 1200 (LAREWOOD DR) TO DEAD END MP 0.00 TO MP 0.51 | | 2 | | NO | NO | 0.51 | 22' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | | |
| TOTAL FOR MAP NO. 9 | | | | | | | | | | 0.51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | | | |
| 2016CPT.10.57.20131.7 | Cabarrus | 10 | SR 1210 (RIVER FALLS DR) | FROM SR 1204 (ARBOR DALE AVE) TO SR 1203 (ROCKWOOD RD) MP 0.11 TO MP 0.40 | | 2 | | NO | NO | 0.25 | 20' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR MAP NO. 10 | | | | | | | | | | 0.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016CPT.10.57.20131.7 | Cabarrus | 11 | SR 2330 (GREENWOOD CT) | FROM SR 1210 (RIVER FALLS DR) TO DEAD END MP 0.00 TO MP 0.18 | | 2 | | NO | NO | 0.18 | 20' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR MAP NO. 11 | | | | | | | | | | 0.18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016CPT.10.57.20131.7 | Cabarrus | 12 | SR 2340 (MIDVALE TERRACE) | FROM SR 1204 (ARBOR DALE AVE) TO DEAD END MP 0.00 TO MP 0.08 | | 2 | | NO | NO | 0.08 | 20'-30' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR MAP NO. 12 | | | | | | | | | | 0.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016CPT.10.57.20131.7 | Cabarrus | 13 | SR 3031 (COLD SPRINGS RD) | FROM SR 1176 (PLAZA RD EXT) TO SR 1204 (ARBOR DALE AVE) MP 0.00 TO MP 0.29 | | 2 | | NO | NO | 0.29 | 20'-30' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR MAP NO. 13 | | | | | | | | | | 0.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016CPT.10.57.20131.7 | Cabarrus | 14 | SR 3032 (HOLLY TREE DR) | FROM SR 1210 (RIVER FALLS DR) TO SR 3033 (WHITTINGTON DR) MP 0.00 TO MP 0.19 | | 2 | | NO | NO | 0.18 | 20' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR MAP NO. 14 | | | | | | | | | | 0.18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.20131.7 | | | | | | | | | | 1.49 | | | | | | 60 | | | | | | | | | | | 1,767 | | 118 | 70 | | | | | | | | | | | | 170 | | |
| 2016CPT.10.57.20131.8 | Cabarrus | 15 | SR 1241 (WINTERCREST DR) | FROM SR 1153 (ZION CH RD) TO SR 1250 (FLINTRIDGE DR) MP 0.00 TO MP 0.48 | | 2 | | NO | NO | 0.48 | 20' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR MAP NO. 15 | | | | | | | | | | 0.48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016CPT.10.57.20131.8 | Cabarrus | 16 | SR 1250 (FLINTRIDGE DR) | FROM SR 1241 (WINTERCREST DR) TO END OF MAINTENANCE MP 0.00 TO MP 0.41 | | 2 | | NO | NO | 0.42 | 20' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR MAP NO. 16 | | | | | | | | | | 0.42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.20131.8 | | | | | | | | | | 0.9 | | | | | | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

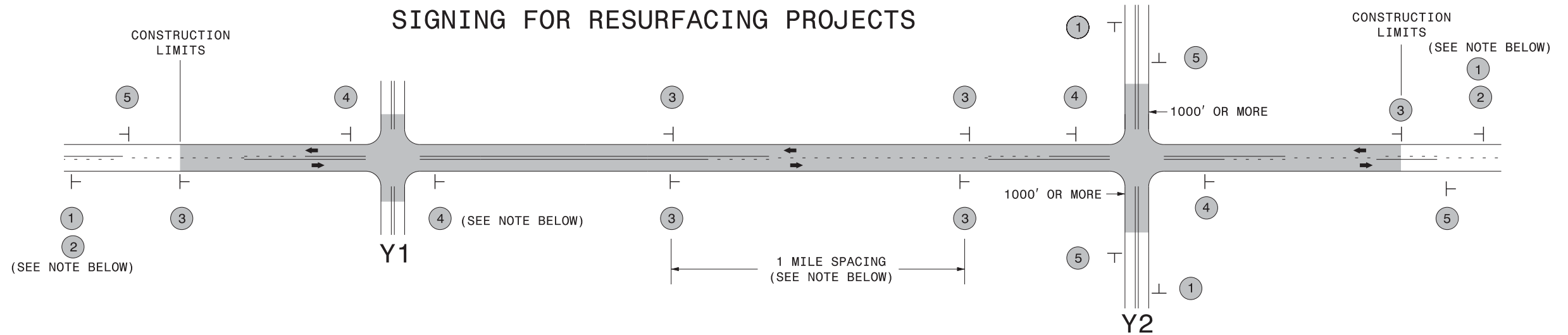
| | | |
|-----------------------------|-----------|-----------|
| PROJECT NO. | SHEET NO. | TOTAL NO. |
| 2016CPT.10.57.10131.1, ETC. | 18 | |

THERMOPLASTIC AND PAINT QUANTITIES

| PROJECT NO | COUNTY | MAP NO | ROUTE | DESCRIPTION | TYP | LANES | LANE TYPE | LENGTH | WIDTH | 4413000000-E WORK ZONE ADVANCE/GENERAL WARNING SIGNING | 4457000000-N TEMPORARY TRAFFIC CONTROL | 4510000000-N | | 4890000000-E | | 4890000000-E | | 4700000000-E | | 4710000000-E | | 4721000000-E | | 4725000000-E | | 4770000000-E | | 4810000000-E | | 4850000000-E | | 4900000000-N | | | | | | | | | | | | |
|---|----------|--------|----------------------------------|--|-------|-------|-----------|--------|---------|---|---|--------------------|--|---------------------------------------|--|---|--------------------------------|--------------------------------|-----------------------------|------------------------------|-------------------------------|----------------------------|------------------------------|-----------------------------|-------------------------------------|----------------------------|---|--|-------------------|--------------------|---|-----------------------------|-------------------------------|-------|-----|--|-----|--|--|-----|--|--|-----|--|
| | | | | | | | | | | | | LAW ENFORCEMENT | 4" X 90 M YELLOW THERMO (HRE) | 4" X 90 M WHITE THERMO (HRE) | 4" X 120 M WHITE THERMO (HRE) | 4" X 120 M YELLOW THERMO (HRE) | 12" X 90 M YELLOW THERMO | 24" X 120 M WHITE THERMO | THERMO MSG STOP 120 M | THERMO MSG AHEAD 120 M | THERMO MSG SCHOOL 120 M | THERMO LT ARROW 90 M | THERMO MERGE ARROW 90M | THERMO STR ARROW 90 M | THERMO STR & RT ARROW 90 M | THERMO RT ARROW 90 M | COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") WHITE TYPE II | COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") YELLOW TYPE II | 4" WHITE PAINT | 4" YELLOW PAINT | REMOVAL OF PAVEMENT MARKING LINES (4") | CRYSTAL & RED MARKERS | YELLOW & YELLOW MARKERS | | | | | | | | | | | |
| 2016CPT.10.57.10131.1 | Cabarrus | 1 | US 601 | FROM SR 1002 (CABARRUS AVE) TO SR 1335 (OLD CHARLOTTE RD) MP 16.36 TO MP 17.40 | 1,2,3 | 2 | | 1.04 | 26'-41' | 176 | | | 42 | 900 | 11,190 | 700 | 10,500 | 100 | 100 | | | | 4 | 3 | 2 | 4 | 2 | | | | | | 30 | 132 | | | | | | | | | | |
| TOTAL FOR MAP NO. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.10131.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016CPT.10.57.10131.2 | Cabarrus | 2 | NC 49 | FROM SR 2444 (ST STEPHENS CH RD) TO SR 2450 (GOLD HILL RD) MP 18.73 TO MP 22.43 | 3 | 2 | | 3.6 | 24' | 238 | | | | | | | | | | | | | | | | | | | | | | | | | 238 | | | | | | | | | |
| TOTAL FOR MAP NO. 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 238 | | | | | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.10131.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 238 | | | | |
| 2016CPT.10.57.10131.3 | Cabarrus | 3 | NC 73 | FROM SR 1507 (LAFOREST LN TO SR 1442 (ODELL SCHOOL RD) MP 3.54 TO MP 2.13 | 4,5,6 | 2 | | 1.36 | 28'-33' | 104 | | | 20 | | 14,634 | 365 | 10,000 | 70 | 35 | | | | 2 | | | | | | | | | | 6,400 | 16 | 104 | | | | | | | | | |
| TOTAL FOR MAP NO. 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 104 | | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.10131.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 104 | |
| 2016CPT.10.57.20131.1 | Cabarrus | 4 | SR 1613 (EARNHARDT LAKE RD) | FROM NC 3 TO NC 3 MP 0.00 TO MP 2.12 | 9 | 2 | | 2.12 | 20' | 224 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR MAP NO. 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.20131.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016CPT.10.57.20131.2 | Cabarrus | 5 | SR 1309 (STOUGH RD) | FROM NC 49 TO PAVEMENT JOINT BEFORE SR 1304 (ROBERTA RD) MP 0.00 TO MP 1.84 | 10 | 2 | | 1.56 | 22'-28' | 144 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR MAP NO. 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.20131.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016CPT.10.57.20131.4 | Cabarrus | 6 | SR 1307 (BLACKWELDER RD) | FROM SR 1304 (ROBERTA RD) NC 49 PAVEMENT JOINT MP 0.00 TO MP 0.95 | 9 | 2 | | 0.95 | 20' | 112 | | | | | 10,222 | 350 | 10,500 | 50 | 50 | | | | 2 | | | | | | | | | | 8,432 | 8,432 | | | | | | | | | | |
| TOTAL FOR MAP NO. 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.20131.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016CPT.10.57.20131.5 | Cabarrus | 7 | SR 1100 (BARRIER GEORGEVILLE RD) | FROM SR 2622 (BARRIER STORE RD) TO PAST SR 1132 (MIAMI CH RD) MP 0.00 TO MP 1.65 | 8 | 2 | | 1.65 | 21'-22' | 144 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR MAP NO. 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.20131.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016CPT.10.57.20131.6 | Cabarrus | 8 | SR 1199 (OAK HOLLOW LN EXT) | FROM SR 1168 (ROBINSON CH RD) TO END OF MAINTENANCE MP 0.00 TO MP 0.43 | 7 | 2 | | 0.39 | 20' | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR MAP NO. 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.20131.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016CPT.10.57.20131.7 | Cabarrus | 9 | SR 1203 (ROCKWOOD RD) | FROM SR 1200 (LAREWOOD DR) TO DEAD END MP 0.00 TO MP 0.51 | 7 | 2 | | 0.51 | 22' | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR MAP NO. 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016CPT.10.57.20131.7 | Cabarrus | 10 | SR 1210 (RIVER FALLS DR) | FROM SR 1204 (ARBOR DALE AVE) TO SR 1203 (ROCKWOOD RD) MP 0.11 TO MP 0.40 | 7 | 2 | | 0.25 | 20' | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR MAP NO. 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016CPT.10.57.20131.7 | Cabarrus | 11 | SR 2330 (GREENWOOD CT) | FROM SR 1210 (RIVER FALLS DR) TO DEAD END MP 0.00 TO MP 0.18 | 7 | 2 | | 0.18 | 20' | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR MAP NO. 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016CPT.10.57.20131.7 | Cabarrus | 12 | SR 2340 (MIDVALE TERRACE) | FROM SR 1204 (ARBOR DALE AVE) TO DEAD END MP 0.00 TO MP 0.08 | 7 | 2 | | 0.08 | 20'-30' | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR MAP NO. 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016CPT.10.57.20131.7 | Cabarrus | 13 | SR 3031 (COLD SPRINGS RD) | FROM SR 1176 (PLAZA RD EXT) TO SR 1204 (ARBOR DALE AVE) MP 0.00 TO MP 0.29 | 7 | 2 | | 0.29 | 20'-30' | 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR MAP NO. 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016CPT.10.57.20131.7 | Cabarrus | 14 | SR 3032 (HOLLY TREE DR) | FROM SR 1210 (RIVER FALLS DR) TO SR 3033 (WHITTINGTON DR) MP 0.00 TO MP 0.19 | 7 | 2 | | 0.18 | 20' | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR MAP NO. 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FOR PROJ NO. 2016CPT.10.57.20131.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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SIGNING FOR RESURFACING PROJECTS

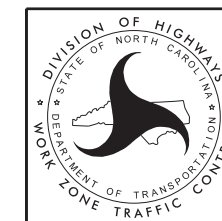


| LEGEND | |
|--------|---------------------------|
| | STATIONARY SIGN |
| ← | DIRECTION OF TRAFFIC FLOW |

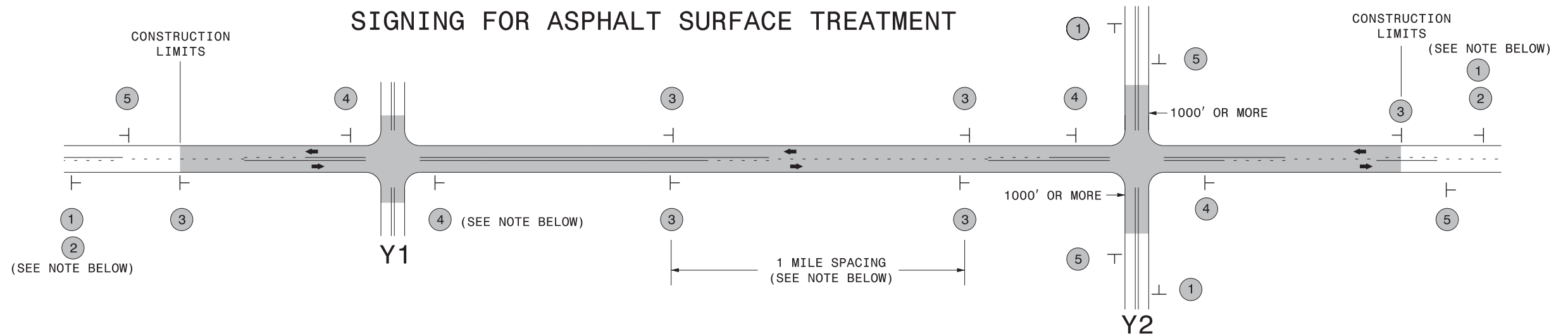
MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

| SIGNING NOTES AND PLACEMENT PER DIRECTION | MAINLINE (-L-) SIGNING | | -Y- LINE SIGNING | |
|---|--|--|---|--|
| | 1 | <small>W20-1 48" X 48"</small> | PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. | <p style="text-align: center;">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, ADVANCE WARNING PORTABLE 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; align-items: center;"> <div style="text-align: center;"> <small>W20-1 48" X 48"</small> </div> <div style="text-align: center;"> <small>W20-7 A 48" X 48"</small> </div> </div> <p style="text-align: center;">PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> |
| | 2 | <small>W7-3aP 24" X 18"</small> | #2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS) | |
| | 3 | <small>SP 13107 48" X 48"</small> | PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER. | |
| | 4 | <small>SP 13106 48" X 48"</small> | 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. | |
| 5 | <small>G20-2 A 48" X 24"</small> | PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS. | | |



SIGNING FOR ASPHALT SURFACE TREATMENT



| LEGEND | |
|--------|---------------------------|
| | STATIONARY SIGN |
| ← | DIRECTION OF TRAFFIC FLOW |

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

| SIGNING NOTES AND PLACEMENT PER DIRECTION | | |
|--|---|---|
| 1 2 | W20-1 48" X 48" W7-3aP 24" X 18" | <p style="text-align: center;">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 style="text-align: center;">WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE 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; align-items: center;"> <div style="text-align: center;"> W20-1 48" X 48" </div> <div style="text-align: center;"> W20-7 A 48" X 48" </div> </div> <p style="text-align: center;">PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> |
| 3 | W8-7 48" X 48" SP 48" X 48" | <p style="text-align: center;">ALTERNATE THE FOLLOWING TWO SIGNS: STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT".</p> <p style="text-align: center;">PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.</p> |
| 4 | SP 13106 48" X 48" | <p style="text-align: center;">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.</p> |
| 5 | G20-2 A 48" X 24" | <p style="text-align: center;">PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p> |

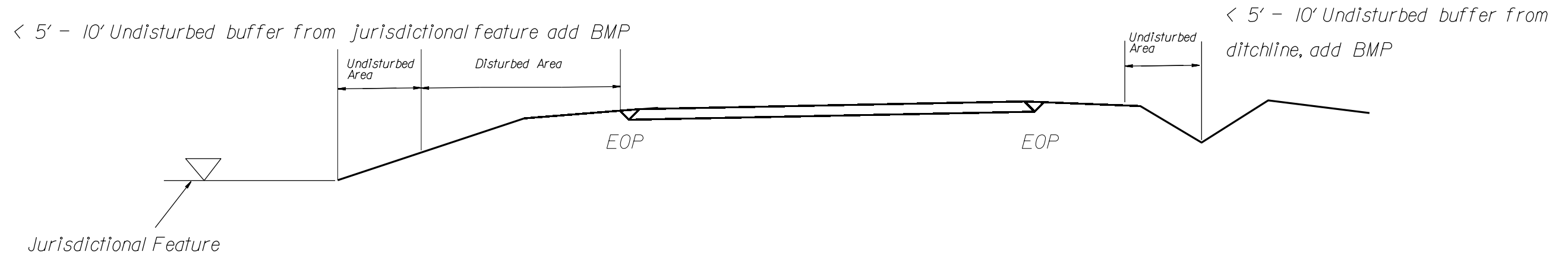
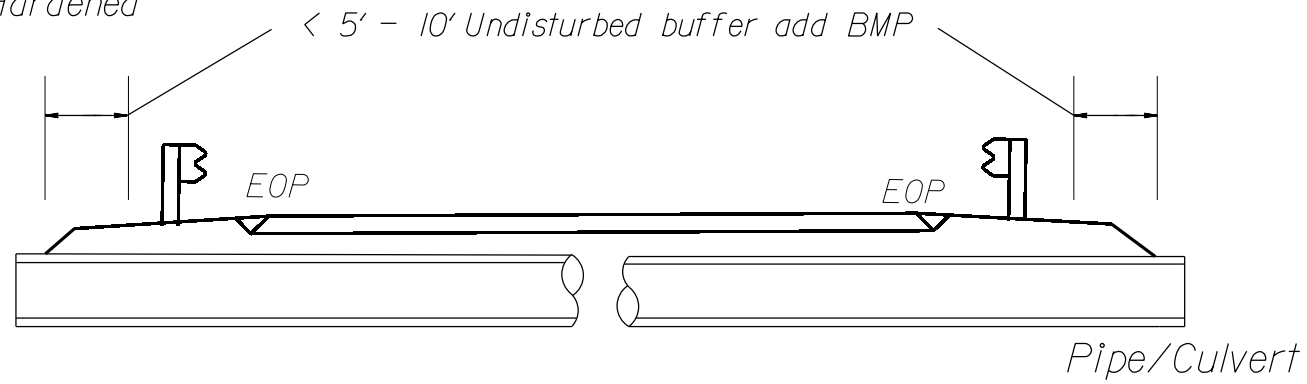


**ADVANCE WARNING SIGNS
FOR
ASPHALT SURFACE TREATMENTS
2 LANE ROADWAYS**

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.

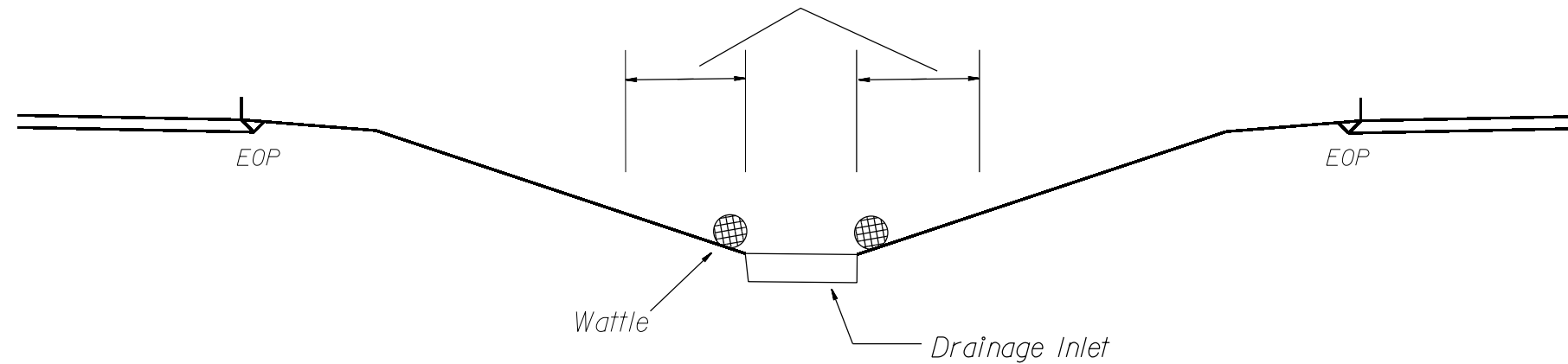
EROSION CONTROL DETAIL



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

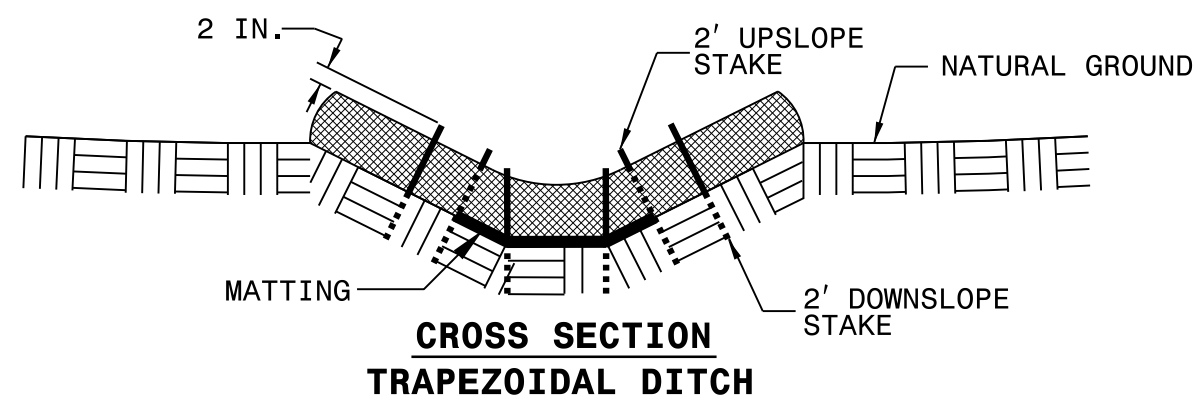
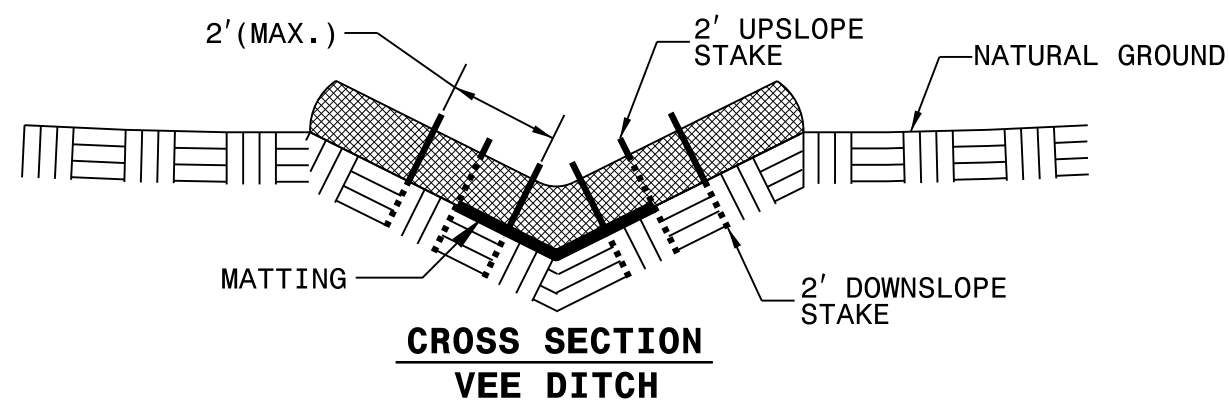
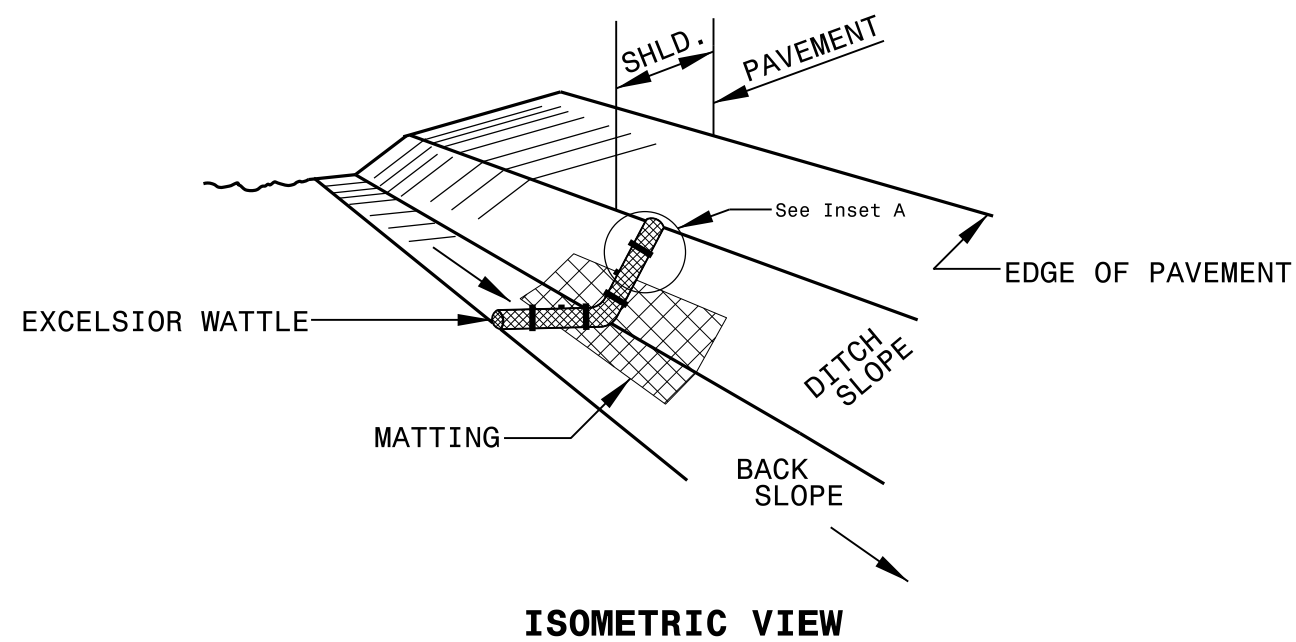


< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

WATTLE 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.

