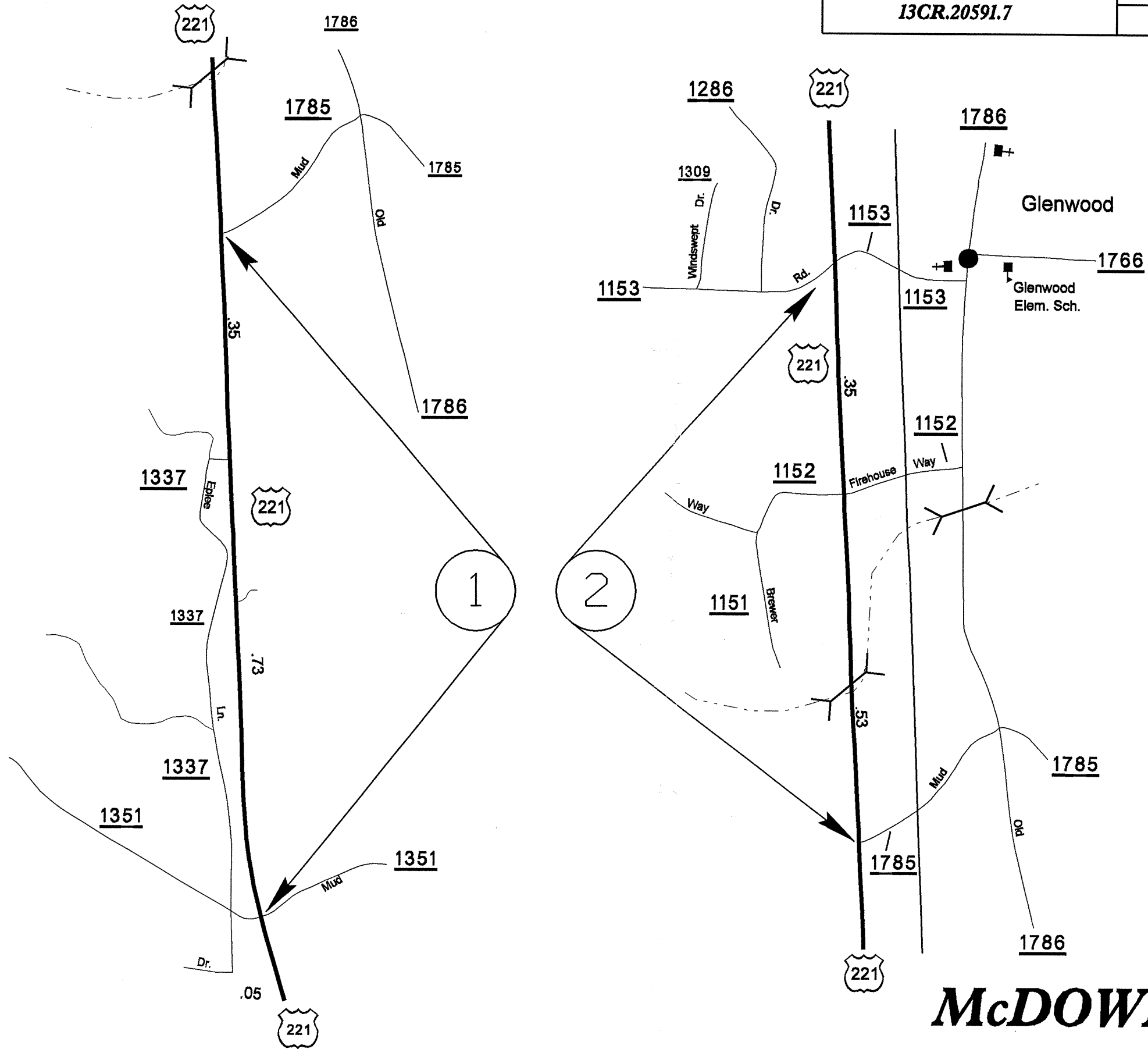
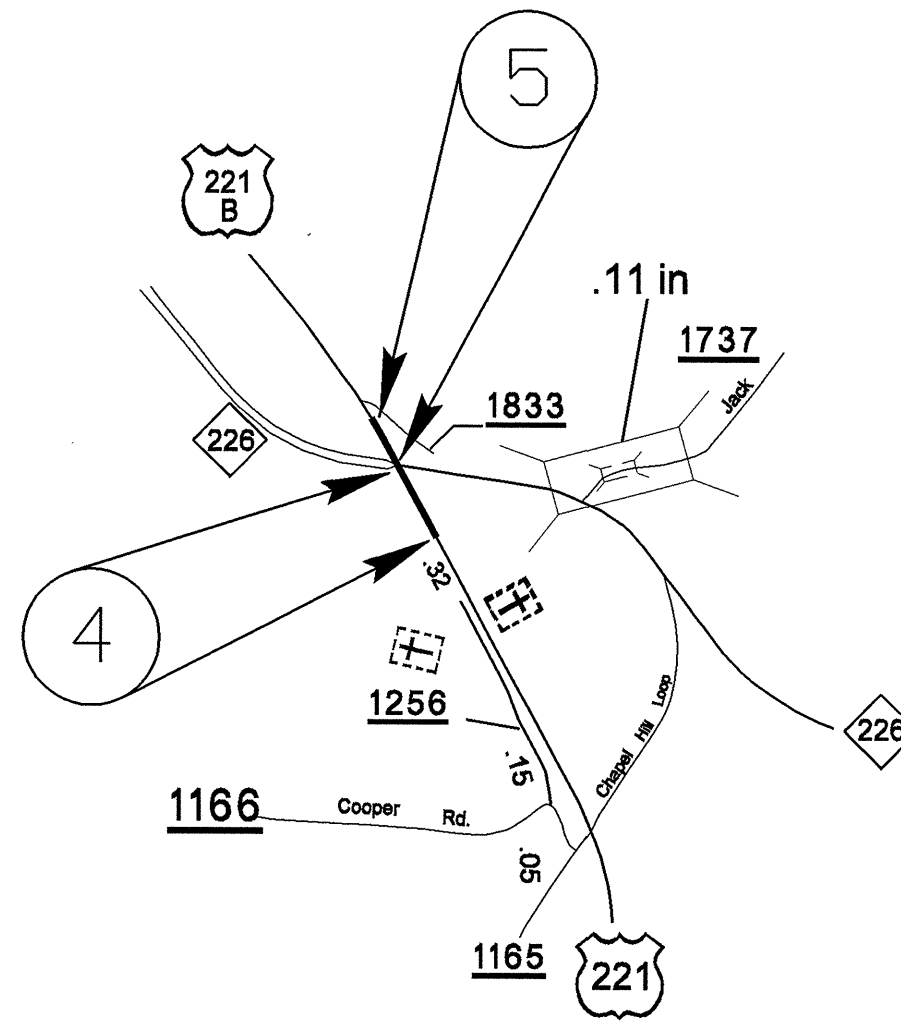
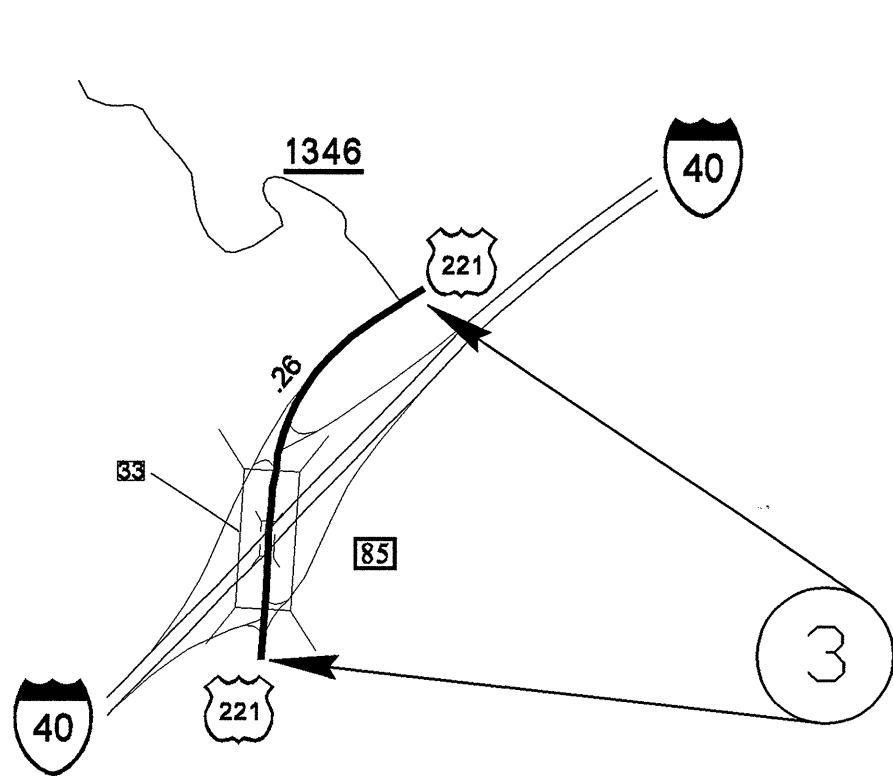


| PROJECT NO. | SHEET NO. | TOTAL SHEETS |
|------------------------------|-----------|--------------|
| 13CR.10591.8 13CR.20591.7 | 1 | |



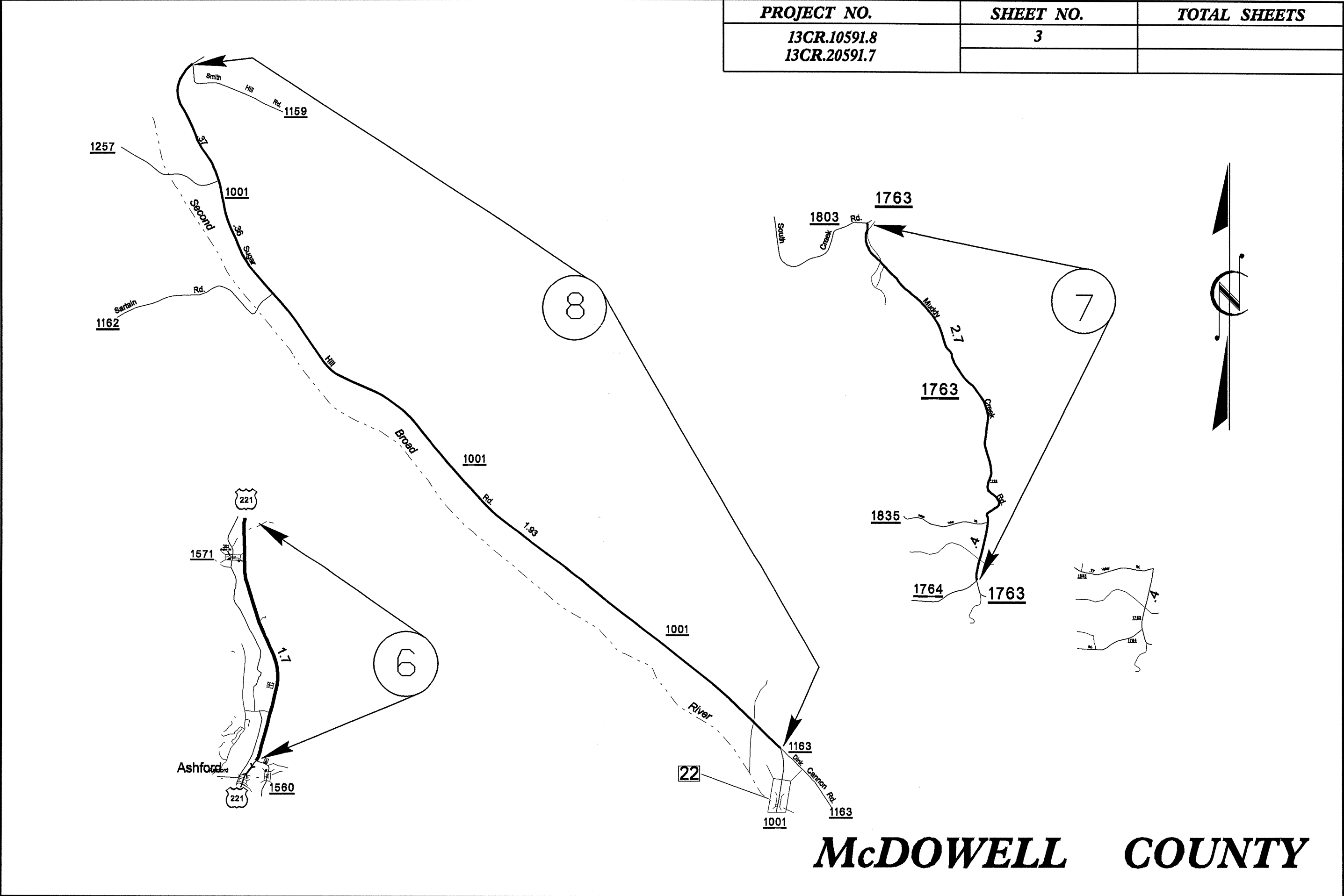
McDOWELL COUNTY

| PROJECT NO. | SHEET NO. | TOTAL SHEETS |
|------------------------------|-----------|--------------|
| 13CR.10591.8 13CR.20591.7 | 2 | |
| | | |

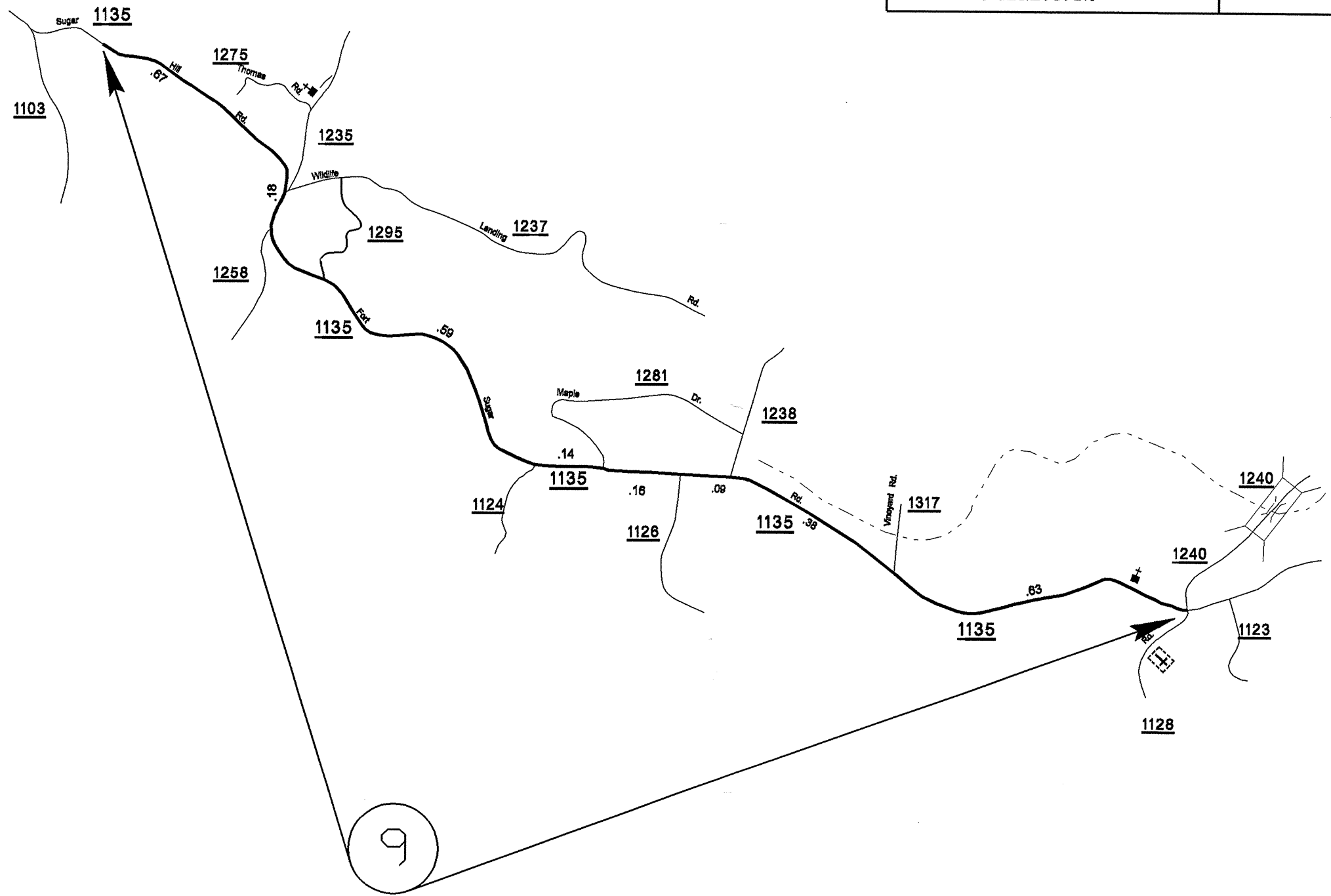


McDOWELL COUNTY

| PROJECT NO. | SHEET NO. | TOTAL SHEETS |
|------------------------------|-----------|--------------|
| 13CR.10591.8 13CR.20591.7 | 3 | |
| | | |

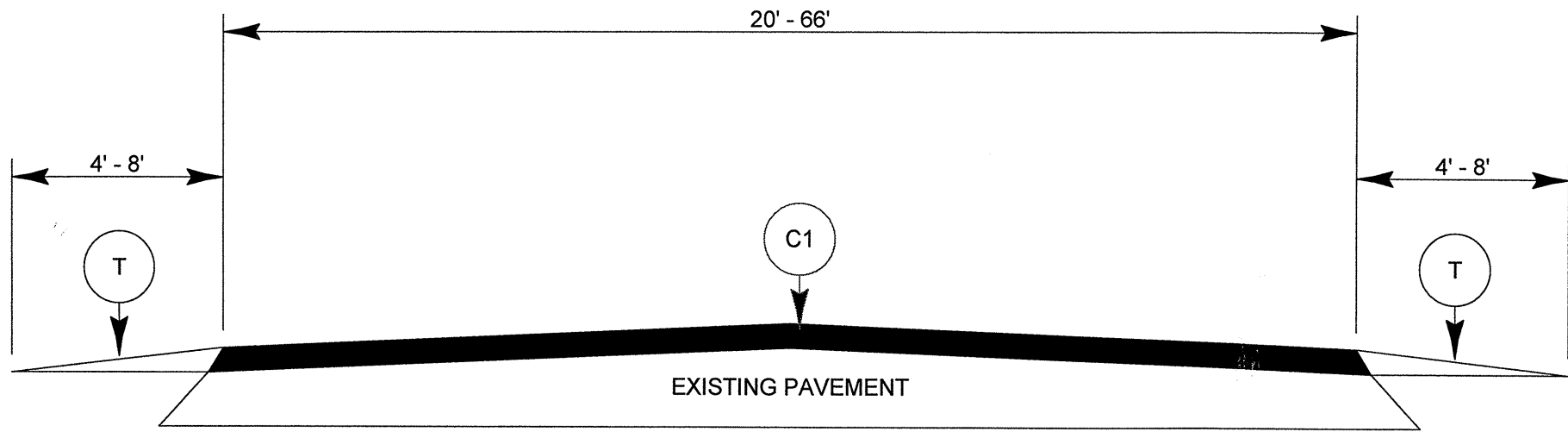


| PROJECT NO. | SHEET NO. | TOTAL SHEETS |
|------------------------------|-----------|--------------|
| 13CR.10591.8 13CR.20591.7 | 4 | |
| | | |

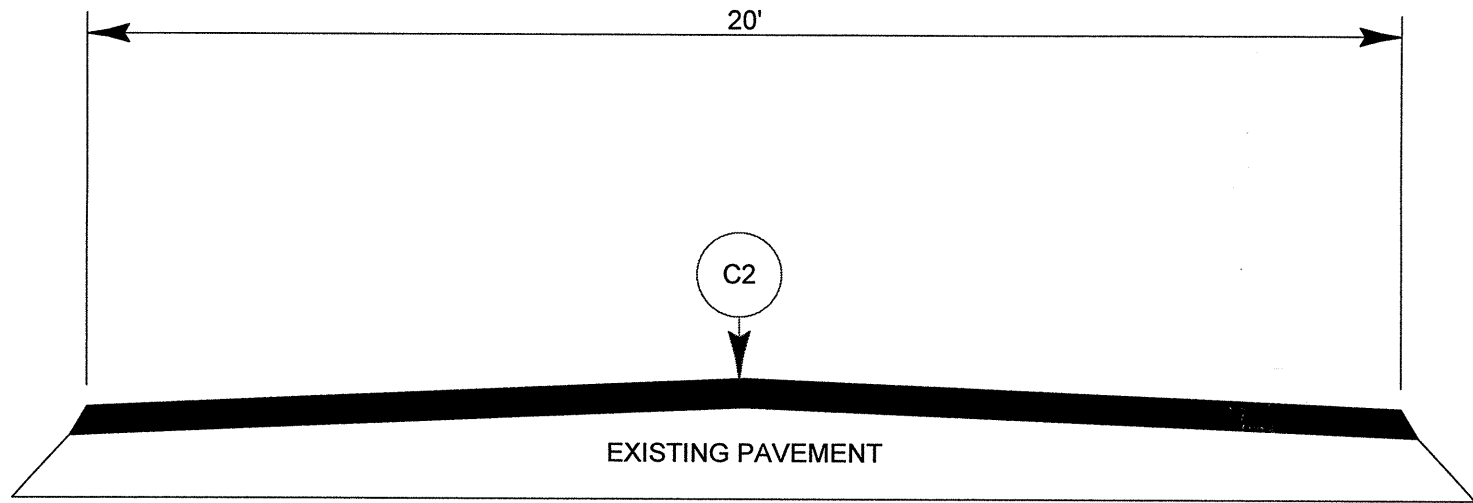
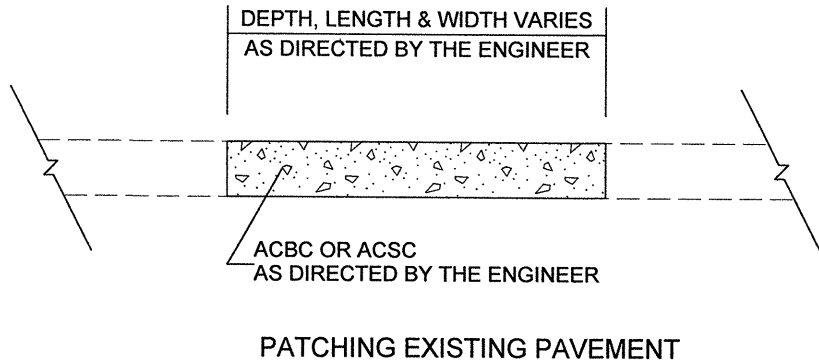


McDOWELL COUNTY

| | | |
|----------------------------|-----------|--------------|
| PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| 13CR.10591.8, 13CR.20591.7 | 5 | |



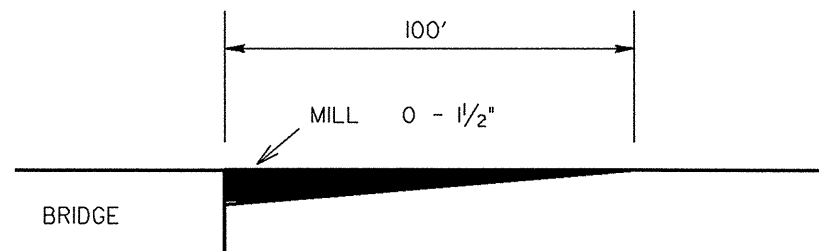
TYPICAL SECTION NO. 1



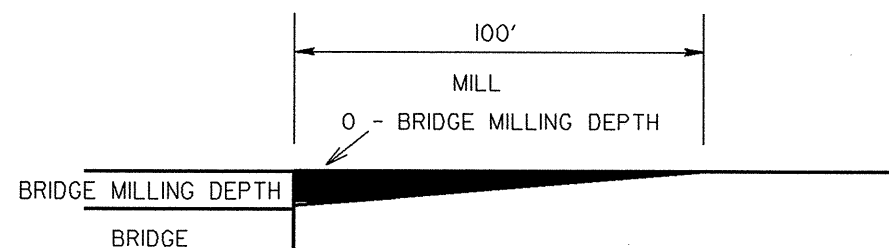
TYPICAL SECTION NO. 2

| PAVEMENT SCHEDULE | |
|-------------------|---|
| C1 | PROP. APPROX. 1 1/2" ACSC, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YARD |
| C2 | PROP. APPROX. 1 1/2" ACSC, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YARD |
| T | SHOULDER RECONSTRUCTION |

| PROJECT NO. | SHEET NO. | TOTAL SHEETS |
|----------------------------|-----------|--------------|
| 13CR.10591.8, 13CR.20591.7 | 6 | |

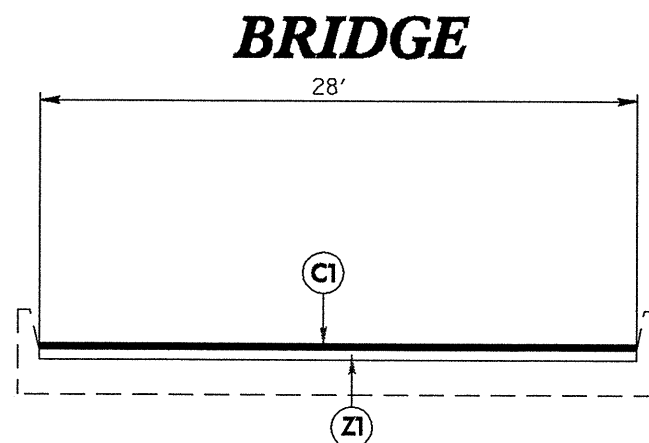


**MILLING DETAIL AT BRIDGE APPROACHES
WHERE BRIDGE WILL NOT BE RESURFACED
COST OF MILLING IS INCIDENTAL TO OTHER ITEMS**



**MILLING DETAIL AT BRIDGE APPROACHES
WHERE BRIDGES WILL BE MILLED THEN RESURFACED
COST OF MILLING IS INCIDENTAL TO OTHER ITEMS**

| PAVEMENT SCHEDULE | |
|-------------------|---|
| C1 | PROP. APPROX. 1 1/2" ACSC, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| Z1 | MILL 1 1/2" |



BRIDGE DETAIL

**BRIDGE NUMBER 33
MILL 1 1/2" OFF EXISTING PAVEMENT ON BRIDGE
THEN RESURFACE BRIDGE DECK WITH 1 1/2" OF S9.5B
SEE MAPS FOR BRIDGE LOCATION**

| | | |
|----------------------------|-----------|-----------|
| PROJECT NO. | SHEET NO. | TOTAL NO. |
| 13CR.10591.8, 13CR.20591.7 | 7 | |

SUMMARY OF QUANTITIES

| PROJECT NO | COUNTY | MAP NO | ROUTE | DESCRIPTION | TYP NO | LENGTH MI | WIDTH FT | INCIDENTAL STONE BASE TONS | SHOULDER RECONSTRUCTION SMI | 1/2" MILLING SY | SURFACE COURSE, S9.5B TONS | SURFACE COURSE, SF9.5A TON | PG 64-22 PLANT MIX TONS | PATCHING EXISTING PAVEMENT TONS | ADJ. OF MANHOLE EA | ADJ. OF METER OR VALVE BOX EA |
|--|----------|--------|------------|--|--------|--------------|----------|----------------------------|-----------------------------|-----------------|----------------------------|----------------------------|-------------------------|---------------------------------|--------------------|-------------------------------|
| 13CR.10591.8 | McDowell | 1 | US 221 | SR 1351 TO SR 1785 | 1 | 1.06 | 24 | 53 | 2.12 | | 1,386 | | 83 | 40 | | |
| | | 2 | US 221 | SR 1785 TO SR 1153 | 1 | 0.90 | 24 | 45 | 1.80 | | 1,177 | | 71 | 40 | | |
| | | 3 | US 221 | .1 MI. S OF I-40 EB RAMP TO .07 MI. N OF SR 1346 | 1 | 0.40 | 30 | 20 | 0.80 | 1,600 | 802 | | 48 | 150 | | 2 |
| | | 4 | US 221 | .19 MI. S OF NC 226 TO NC 226 | 1 | 0.19 | 66 | 10 | 0.38 | | 681 | | 41 | 70 | | |
| | | 5 | US 221 BUS | FROM NC 226 TO .15 N OF NC 226 | 1 | 0.15 | 66 | 8 | 0.30 | | 538 | | 32 | 50 | 1 | |
| | | 6 | US 221 | SR 1560 NORTH TO NEW PAVEMENT | 1 | 2.10 | 20 | 105 | 4.20 | | 2,291 | | 137 | 200 | | |
| TOTAL FOR PROJ NO. 13CR.10591.8 | | | | | | 4.80 | | 241 | 9.60 | 1,600 | 6,875 | | 412 | 550 | 1 | 2 |
| 13CR.20591.7 | McDowell | 7 | SR 1763 | SR 1803 TO SR 1764 | 2 | 3.07 | 20 | | | | 3,289 | | 214 | 350 | | |
| | | 8 | SR 1001 | SR 1163 TO SR 1159 | 2 | 2.76 | 20 | | | | 2,957 | | 192 | 250 | | |
| | | 9 | SR 1135 | 0.7 MILES SOUTH OF SR 1103 TO SR 1240 | 2 | 2.27 | 20 | | | | 2,432 | | 158 | 200 | | |
| TOTAL FOR PROJ NO. 13CR.20591.7 | | | | | | 8.10 | | | | | 8,678 | | 564 | 800 | | |
| GRAND TOTAL | | | | | | 12.90 | | 241 | 9.60 | 1,600 | 6,875 | | 976 | 1,350 | 1 | 2 |

Note: 1 1/2" milling on map 3 is for bridge deck milling

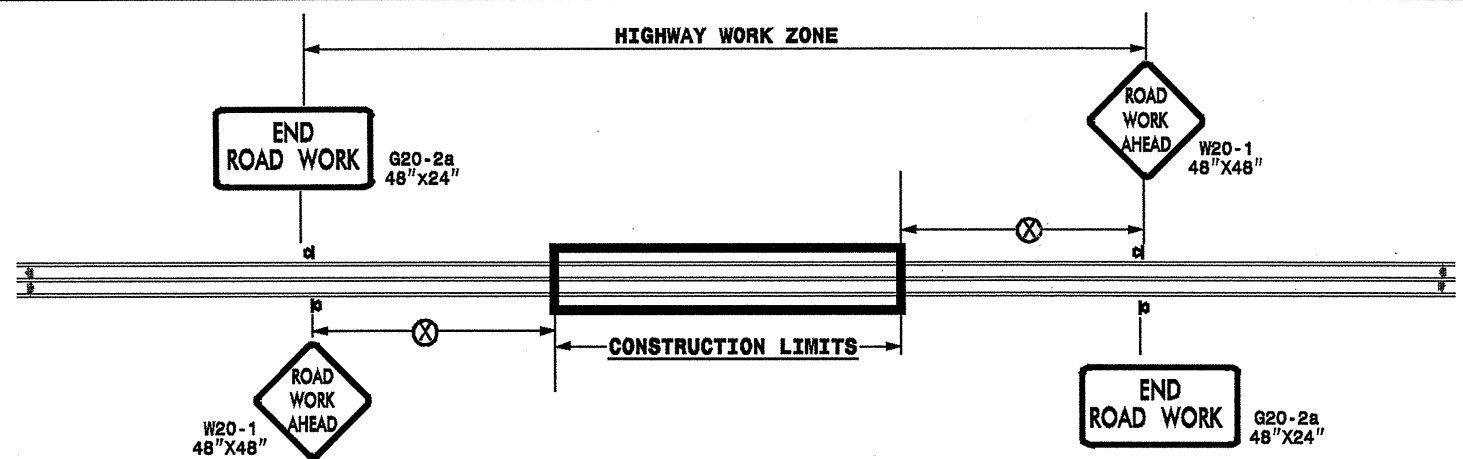
THERMOPLASTIC AND PAINT QUANTITIES

| PROJECT NO | COUNTY | MAP NO | ROUTE | DESCRIPTION | 4685000000-E | 4686000000-E | 4710000000-E | 4721000000-E | 4725000000-E | | | | 4810000000-E | | |
|--|----------|--------|------------|--|---------------------------|-----------------------------|-----------------------------|--------------------------|-------------------------|-------------------------|--------------------------|-------------------------------|-------------------|--------------------|--|
| | | | | | 4" X 90 M WHITE THERMO LF | 4" X 120 M YELLOW THERMO LF | 24" X 120 M WHITE THERMO LF | THERMO MSG ONLY 120 M EA | THERMO LT ARROW 90 M EA | THERMO RT ARROW 90 M EA | THERMO STR ARROW 90 M EA | THERMO STR & RT ARROW 90 M EA | 4" WHITE PAINT LF | 4" YELLOW PAINT LF | |
| 13CR.10591.8 | McDowell | 1 | US 221 | SR 1351 TO SR 1785 | 11,194 | 11,194 | | | | | | | | | |
| | | 2 | US 221 | SR 1785 TO SR 1153 | 9,504 | 9,504 | | | | | | | | | |
| | | 3 | US 221 | .1 MI. S OF I-40 EB RAMP TO .07 MI. N OF SR 1346 | 4,700 | 5,615 | | 8 | 2 | 3 | | | | | |
| | | 4 | US 221 | .19 MI. S OF NC 226 TO NC 226 | 2,250 | 2,006 | 56 | | 3 | | 7 | 2 | | | |
| | | 5 | US 221 BUS | FROM NC 226 TO .15 N OF NC 226 | 1,750 | 1,584 | 56 | | 3 | | 7 | 2 | | | |
| | | 6 | US 221 | SR 1560 NORTH TO NEW PAVEMENT | 22,176 | 22,176 | | | | | | | | | |
| TOTAL FOR PROJ NO. 13CR.10591.8 | | | | 51,574 | 52,079 | 112 | 8 | 8 | 3 | 14 | 4 | | | | |
| 13CR.20591.7 | McDowell | 7 | SR 1763 | SR 1803 TO SR 1764 | | | | | | | | | 64,838 | 64,838 | |
| | | 8 | SR 1001 | SR 1163 TO SR 1159 | | | | | | | | | 58,291 | 58,291 | |
| | | 9 | SR 1135 | 0.7 MILES SOUTH OF SR 1103 TO SR 1240 | | | | | | | | | 47,942 | 47,942 | |
| TOTAL FOR PROJ NO. 13CR.20591.7 | | | | | | | | | | | | 171,072 | 171,072 | | |
| GRAND TOTAL | | | | 51,574 | 52,079 | 112 | 8 | 8 | 3 | 14 | 4 | | 171,072 | 171,072 | |

29

342,144

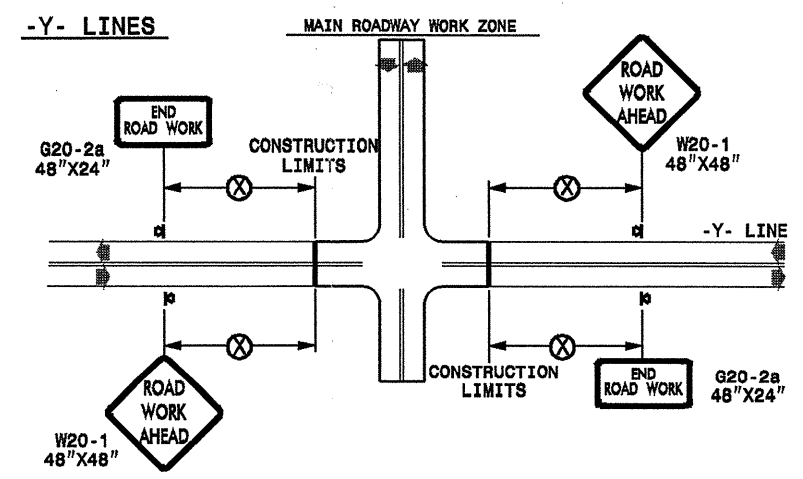
TWO-WAY UNDIVIDED ** (L-LINES)



| POSTED SPEED LIMIT (M.P.H.) | RECOMMENDED MINIMUM SIGN SPACING |
|-----------------------------|----------------------------------|
| ≤ 50 | 500' |
| ≥ 55 | 1000' |

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)



DETAIL DRAWING
FOR TWO-WAY UNDIVIDED
WORK ZONE WARNING SIGNS

GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCE WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.
- PROVIDE PORTABLE WORK ZONE SIGN STANDS, PORTABLE SIGNS AND SIGN SHEETING WHICH ARE LISTED ON THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S APPROVED PRODUCT LIST OR ACCEPTED AS TRAFFIC QUALIFIED BY THE TRAFFIC CONTROL UNIT.
- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

LEGEND

◀ PORTABLE SIGN

➔ DIRECTION OF TRAFFIC FLOW

SHEET 1 OF 1

| | | | |
|--------------------|------------------|---|-------|
| APPROVED: _____ | DATE: _____ | DETAIL DRAWING FOR TWO-WAY UNDIVIDED ADVANCED WORK ZONE WARNING SIGNS | |
| SEAL | SCALE: NONE | REVISIONS | |
| | DATE: _____ | 7-98 | 10/01 |
| | DWG. BY: _____ | 10-98 | 03/04 |
| | DESIGN BY: _____ | 01/01 | 11/04 |
| REVIEWED BY: _____ | | | |

15-OCT-2009 14:39
 s:\signing\resur facing2009\dwg\13cr10591.8 & 13cr20591.7\13cr10591.8 & 13cr20591.7.dwg
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