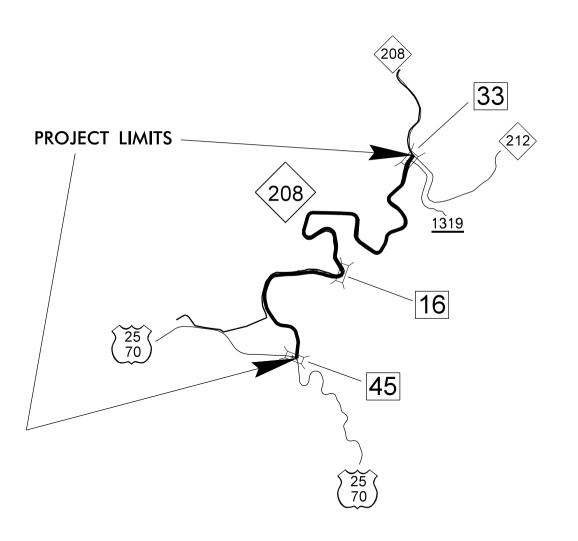
MADISON COUNTY

LOCATION: NC 208 FROM INTERSECTION OF US 25-70 TO INTERSECTION NC 212

TYPE OF WORK: PAVING, WIDENING, GUARDRAIL,
AND PIPE REPLACEMENT



N.C. DM00242 STATE PROJ.NO. P.A.PROJ.NO. DESCRIPTION 47805

PROJECT NOTES:

ALL DATA PROVIDED IS FOR ESTIMATING PURPOSES ONLY. NO SURVEY DATA IS AVAILABLE FOR THIS PROJECT. ALL MEASUREMENTS ARE NON-SURVEY GRADE FIELD MEASUREMENTS.

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE THEIR OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

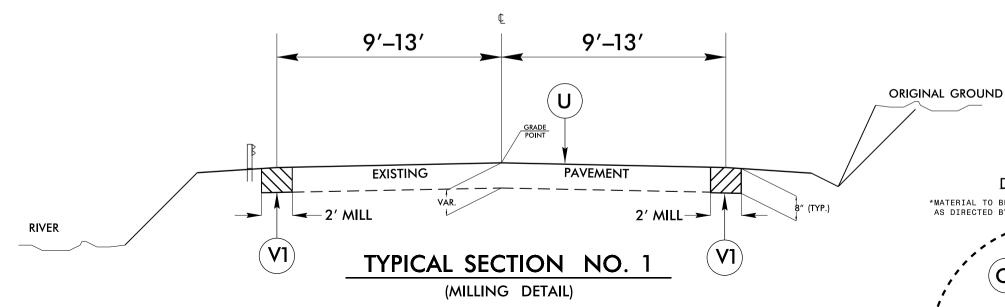
PIPE LOCATIONS SHOWN ON PLANS ARE FOR REPRESENTATION ONLY. SEE PIPE SUMMARY FOR STATION LOCATIONS AND LENGTHS.

PROJECT LENGTH

LENGTH ROADWAY PROJECT = 3.529 MILES

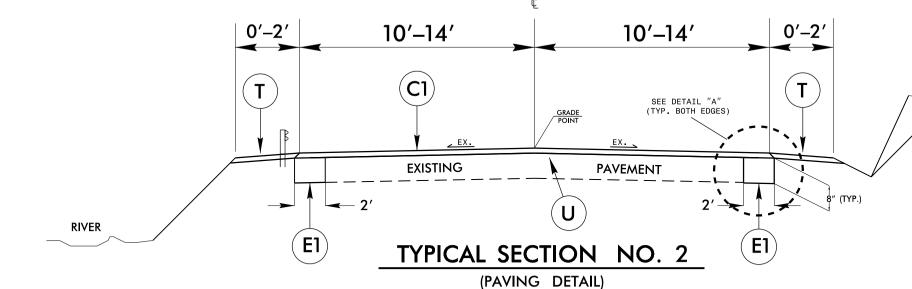
TOTAL LENGTH PROJECT = 3.529 MILES





STA. 10+80 +/- T0 196+43 +/-

(EXISTING PAVEMENT WIDTHS VARY)

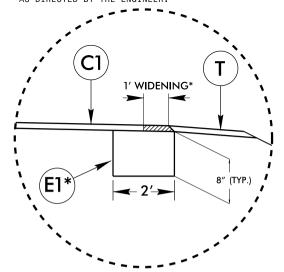


STA. 10+80 +/- TO 196+43 +/-

(FINAL PAVEMENT WIDTHS VARY BASED ON WIDENING APPLICATION AS DIRECTED BY THE ENGINEER)



*MATERIAL TO BE PLACED AS EDGE REPAIR/1'WIDENING AS DIRECTED BY THE ENGINEER.

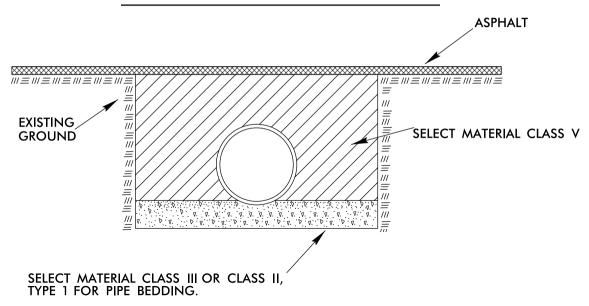


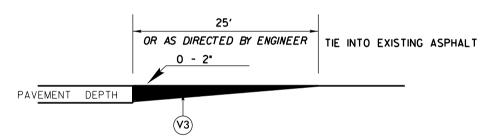
ORIGINAL GROUND

PAVEMENT SCHEDULE			
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.		
E1	PROP. APPROX. 8" ASPHALT CONCRETE BASE COURSE, TYPE B25.OC, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.		
Т	SHOULDER RECONSTRUCTION		
U	EXISTING PAVEMENT.		
V1	MILLING ASPHALT PAVEMENT, 8" DEPTH		
V2	MILLING ASPHALT PAVEMENT, 2" DEPTH		
V3	INCIDENTAL MILLING		

6-JAN-2018 14:29 ::\DGC\rdy\conty\Madison\NC 208\NC208_ddc_tu :*esilcEDXXME&&&&

PIPE BACKFILL DETAIL





CHEET NO

PROJECT REFERENCE NO.

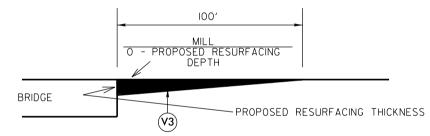
DMO0242

PAW SHEET NO.

ROADWAY DESIGN ENGINEER

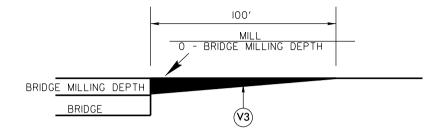
DETAIL TO TIE INTO EXIST PAVEMENT

THE CONTRACTOR'S ATTENTION IS DIRECTED TO
THE FACT THAT HE WILL BE REQUIRED TO MILL
THE EXISTING ASPHALT PAVEMENT TO ENSURE A PROPER
TIE-IN WITH THE EXISTING SURFACE AT THE BEGINNING, END
AND Y LINES OF EACH MAP TO BE RESURFACED WITH
ASPHALT CONC SURFACE COURSE, TYPE \$9.5C
THIS WILL BE PAID FOR AS INCIDENTAL MILLING.



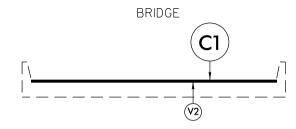
MILLING DETAIL AT BRIDGE APPROACHES

WHERE BRIDGES WILL NOT BE RESURFACED.
THIS WILL BE PAID FOR AS INCIDENTAL MILLING.
USE AT BRIDGE NUMBER: 16



MILLING DETAIL AT BRIDGE APPROACHES

WHERE BRIDGES WILL BE MILLED THEN RESURFACED. THIS WILL BE PAID FOR AS 2" MILLING. USE AT BRIDGE NUMBER: 33



BRIDGE DETAIL

BRIDGE NUMBER 33 MILL 2" OFF EXISTING PAVEMENT

J/County/Madison/NC 208/NC 208 Details.dgr |AMF\$\$\$\$\$

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

SUMMARY OF EARTHWORK

LOCATION	UNCLASSIFIED EXCAVATION
VARIOUS LOCATIONS*	100 CY
TOTAL:	100 CY

^{*}VARIOUS LOCATIONS AS DIRECTED BY THE ENGINEER

MILLING SUMMARY

LOCATION/ STATION	LT/RT	DEPTH	SQUARE YDS
10+80 TO 196+35	LT/RT	8"	8215
195+00 TO 196+35	LT/RT	2"	375
194+00 TO 195+00	LT/RT	0 TO 2"	312
73+20 TO 74+20	LT/RT	0 TO 2"	389
76+20 TO 77+20	LT/RT	0 TO 2"	389
	PROJECT TOTAL		9680

^{*}SEE MILLING DETAILS AND TYPICAL

PIPE REPLACEMENT SUMMARY

LOCATION	EXIST. PIPE NEW PIPE SIZE/TYPE		NEW PIPE LENGTH	LIVE WATER
11+41	18" CMP	18" RCP	60	
20+21	18" CMP	18" RCP	32	YES
25+12	18" CMP	18" RCP	32	
40+03	18" CMP	18" RCP	32	
42+50	18" CMP	18" RCP	32	
46+63	18" CMP	18" RCP	32	
56+86	18" CMP	18" RCP	32	
61+14	18" CMP	18" RCP	32	
79+15	18" CMP	18" RCP	28	
81+19	18" CMP	18" RCP	40	
86+87	18" CMP	18" RCP	40	
91+25	18" CMP	18" RCP	36	
100+91	18" CMP	18" RCP	36	
105+93	18" CMP	18" RCP	32	
110+90	18" CMP	18" RCP	32	
121+73	18" CMP	18" RCP	36	
133+05	18" CMP	18" RCP	32	
141+24	18" CMP	18" RCP	44	YES
142+84	18" CMP	18" RCP	36	
148+93	18" CMP	18" RCP	40	YES
154+20	18" CMP	18" RCP	36	
168+44	18" CMP	18" RCP	32	
173+73	18" CMP	18" RCP	36	
		PROJECT TOTAL	820 LF	

^{*}PLACE OUTLET PROTECTION AT EACH PIPE REPLACEMENT LOCATION AS DIRECTED BY THE ENGINEER.

^{*0} TO 2" MILLING WILL BE PAID AS INCIDENTAL MILLING

^{*}INCORPORATE 8" MILLING FROM BEGIN PROJECT TO END PROJECT LT AND RT OF -L-AS WIDENING WHERE FEASIBLE, OR AS DIRECTED BY THE ENGINEER. SEE MILLING TYPICAL

^{*}INSTALL NEW PIPE TO THE SAME ALIGNMENT AND GRADE OF THE EXISTING PIPE OR AS DIRECTED BY THE ENGINEER.

ROJECT REFERENCE NO. SHEET NO.

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

REMOVE EXISTING GUARDRAIL SUMMARY

Begin Sta.	End Sta.	LT/RT	Length	
17+90	27+60	LT	970	
41+25	48+60	LT	735	
61+40	74+66	LT	1326	
76+20	77+19	LT	99	
76+08	76+69	RT	61	
77+47	86+45	LT	898	
98+18	102+10	LT	392	
102+46	113+50	LT	1104	
124+90	130+00	LT	510	
132+36	134+90	L	254	
165+75	165+75 175+95		1020	
181+00	188+00	LT	700	
REMOVAL OF EXISTING TOTAL:			8069 LF	

NEW GUARDRAIL SUMMARY

Begin Sta.	End Sta.	LT/RT	Length
16+30	27+60	LT	1130
41+25	48+60	LT	735
49+50	74+66	LT	2516
76+20	77+19	LT	99
76+08	76+69	RT	61
77+47	95+80	LT	1833
96+30	102+10	LT	580
102+46	113+75	LT	1129
116+00	130+00	LT	1400
132+36	155+90	LT	2354
158+00	175+95	LT	1795
177+85	188+00	LT	1015
NEW GUARDRAIL TOTAL:			14647 LF

*THE GUARDRAIL LOCATIONS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

GUARDRAIL END UNIT SUMMARY

		I		ı
STATION	LT/RT	B-83	CAT-1	TL-3
16+30	LT			1
27+60	LT			1
41+25	LT			1
48+60	LT			1
49+50	LT			1
74+66	LT	1		
76+20	LT	1		
76+08	RT	1		
76+69	RT		1	
77+19	LT			1
77+47	LT		1	
95+80	LT		1	
96+30	LT		1	
102+10	LT		1	
102+46	LT		1	
113+75	LT			1
116+00	LT			1
130+00	LT			1
132+36	LT			1
155+90	LT			1
158+00	LT			1
175+95	LT			1
177+85	LT			1
188+00	LT			1
TOTA	L:	3	6	15

*THE LOCATIONS OF END UNITS SHOULD BE FIELD ADJUSTED AS DIRECTED BY THE ENGINEER TO ACCOMODATE PROPER INSTALLATION AND RIVER ACCESS.

PROJECT REFERENCE NO. SHEET NO. *NOT TO SCALE STATIONS ARE FIELD MEASURED ALONG EXISTING CENTERLINE LAUREL RIVER NC 208 STA. 10+70.00

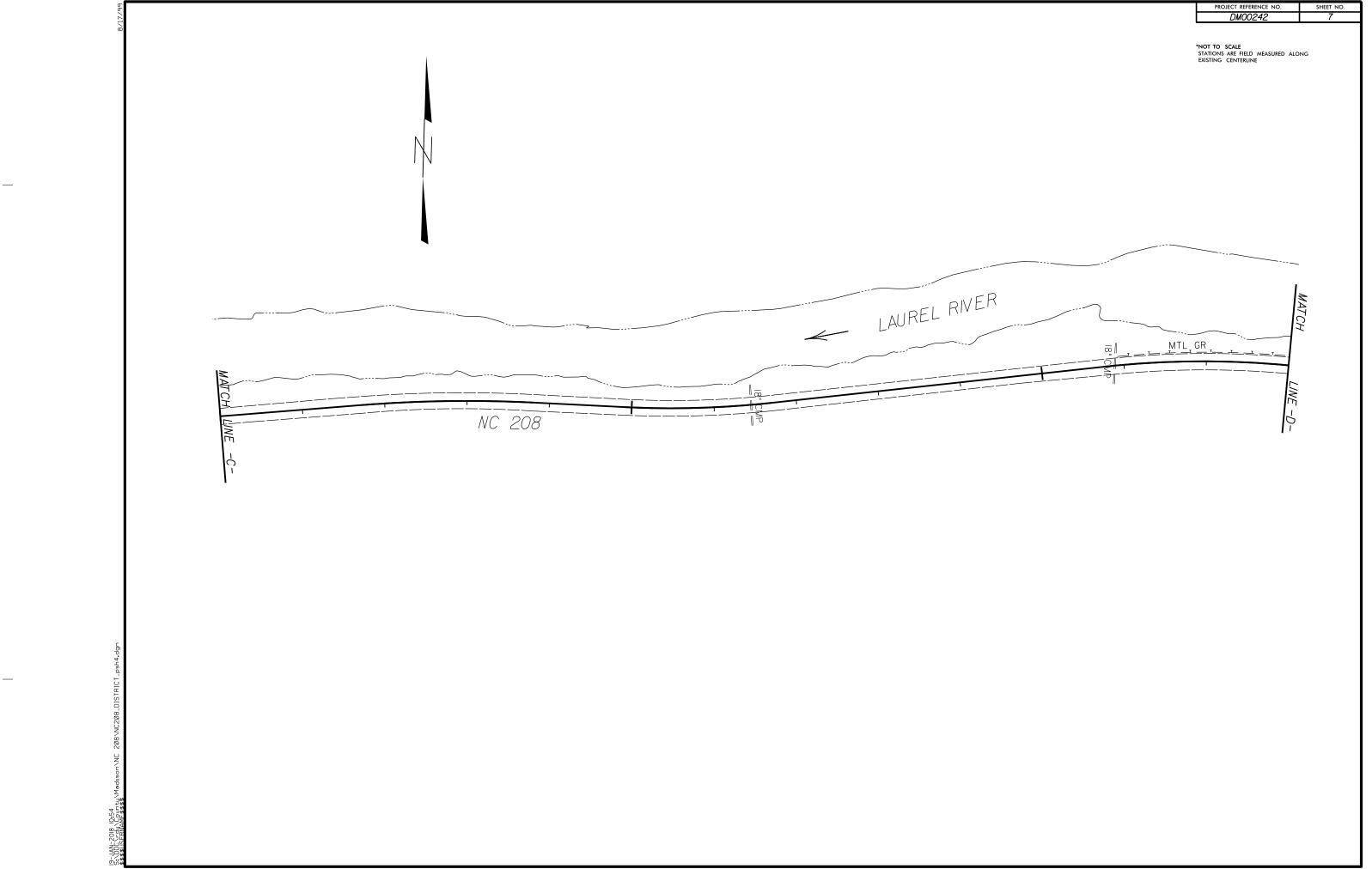
BEGINNING CONSTRUCTION

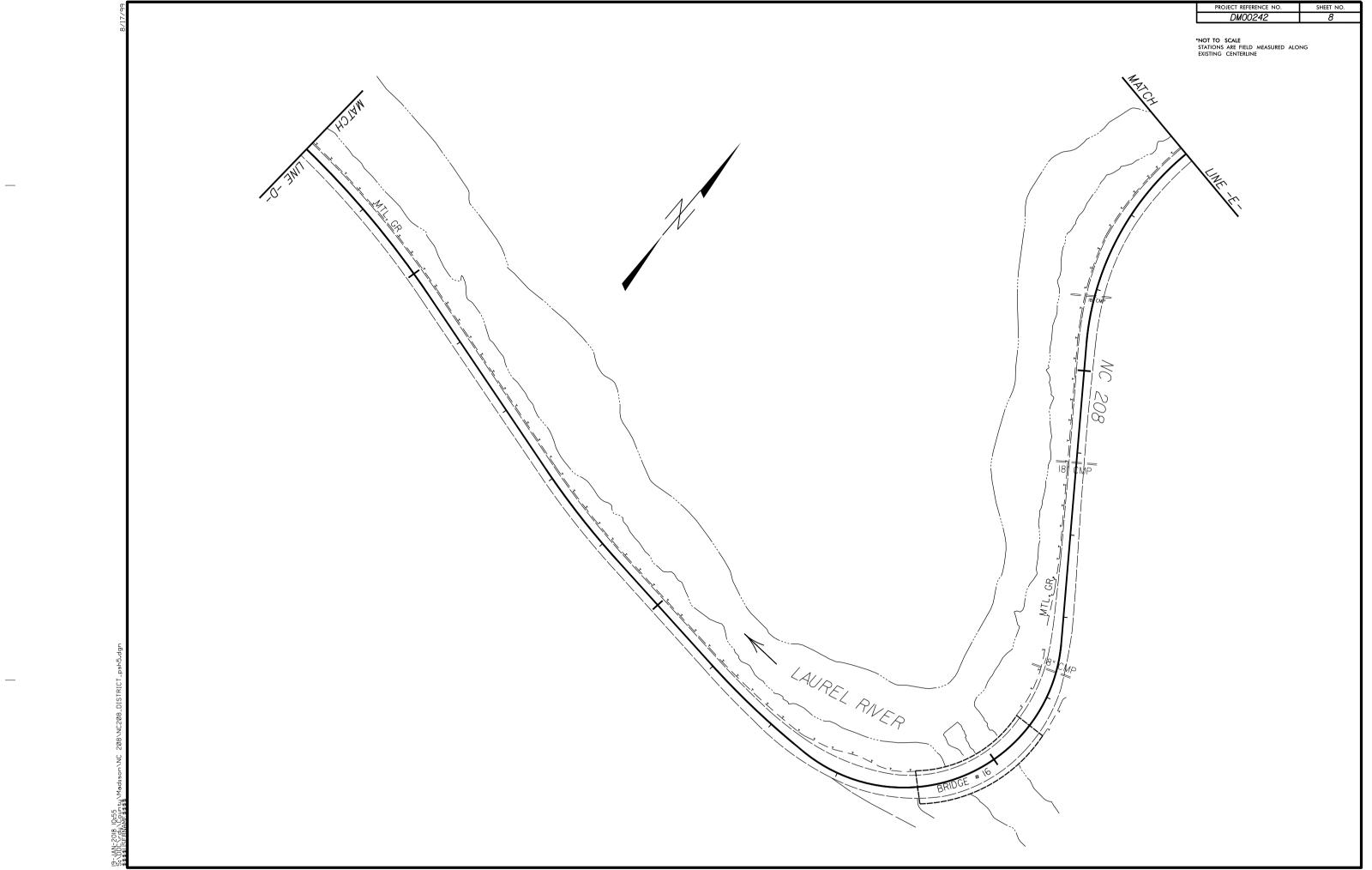
STA. 10+00.00

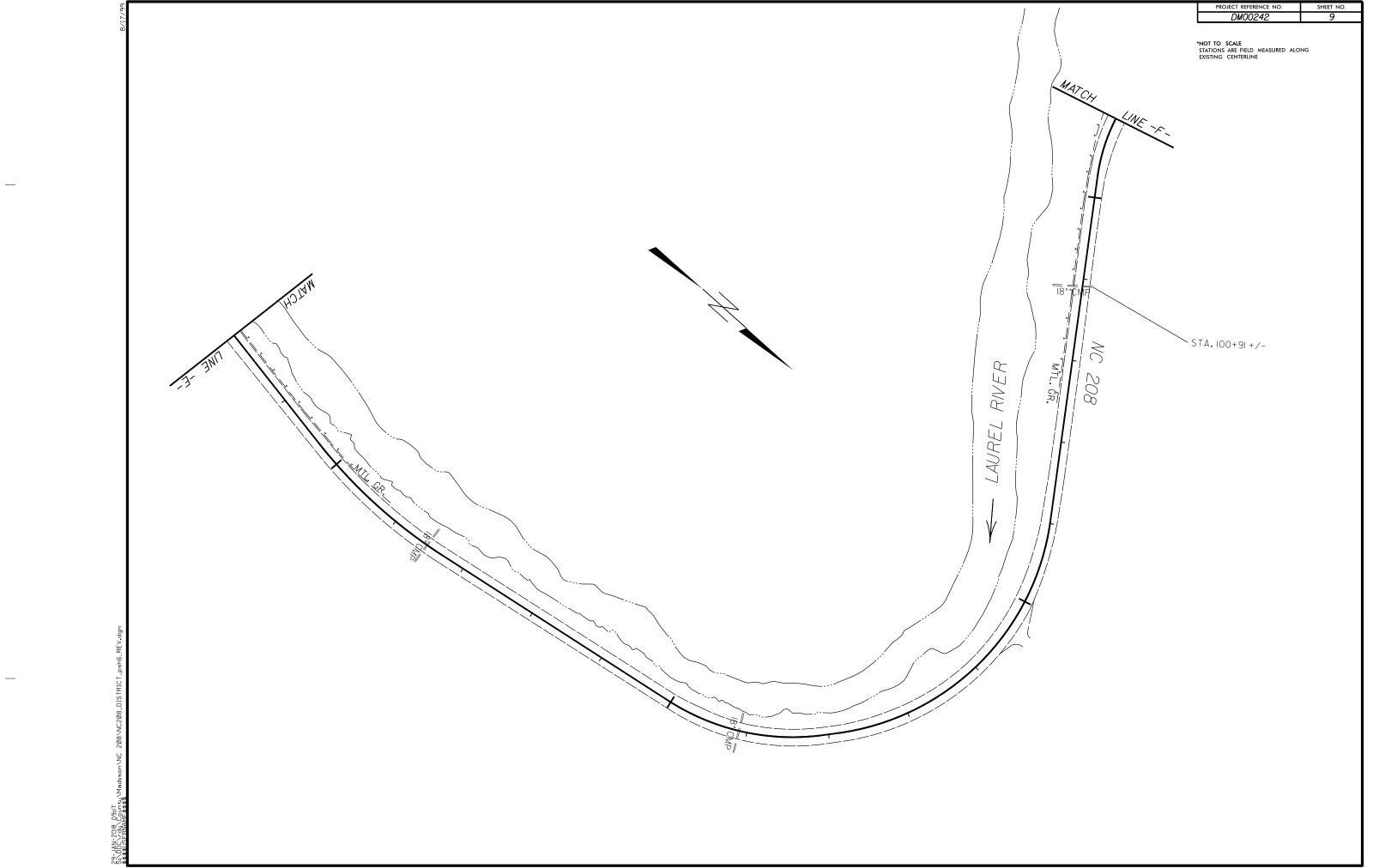
BEGINNING PROJECT

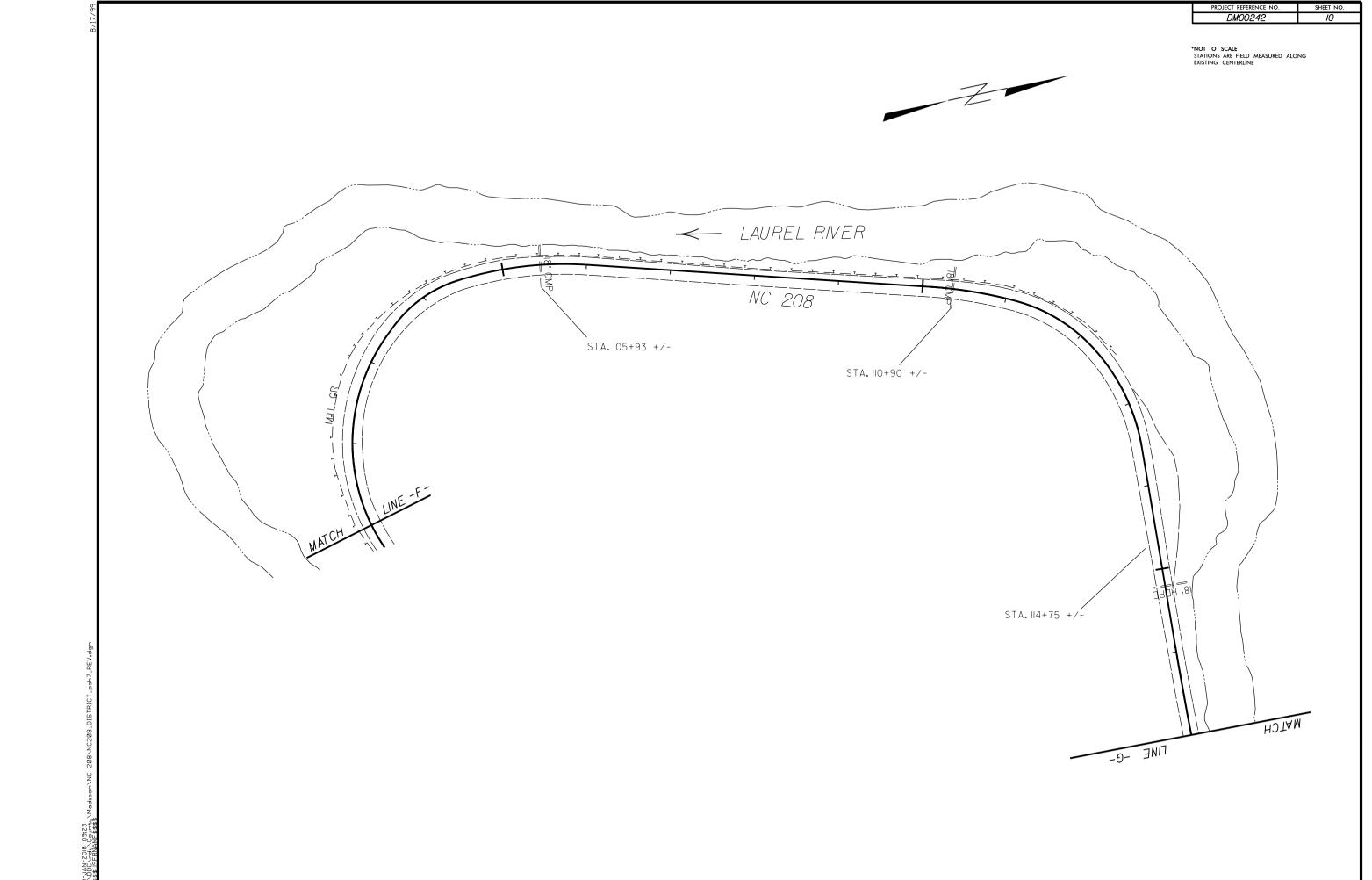
SHEET NO. PROJECT REFERENCE NO. DM00242 *NOT TO SCALE STATIONS ARE FIELD MEASURED ALONG EXISTING CENTERLINE LAUREL RIVER

SHEET NO. PROJECT REFERENCE NO. DM00242 *NOT TO SCALE STATIONS ARE FIELD MEASURED ALONG EXISTING CENTERLINE LAUREL RIVER



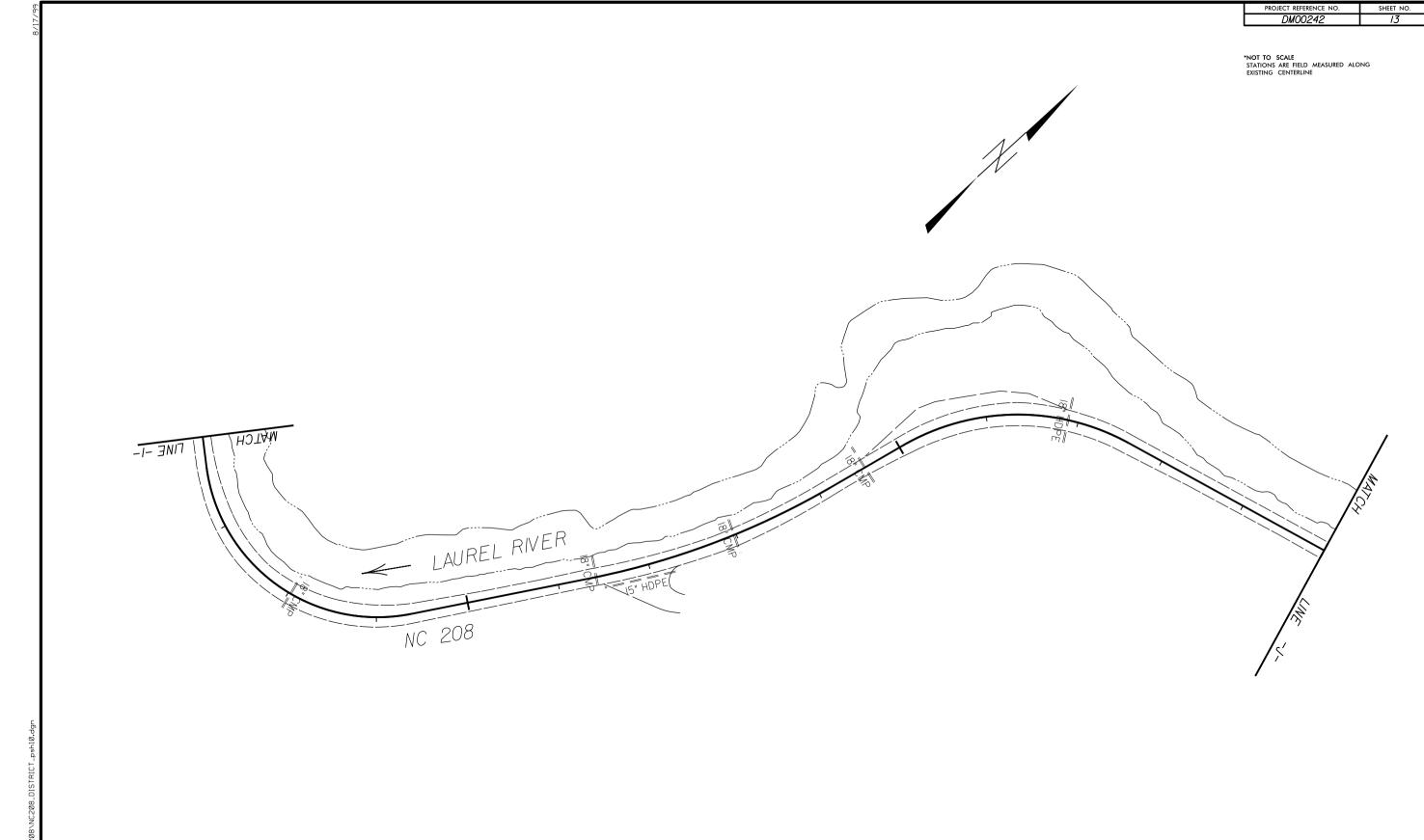






SHEET NO. PROJECT REFERENCE NO. DM00242 *NOT TO SCALE STATIONS ARE FIELD MEASURED ALONG EXISTING CENTERLINE MATCH LAUREL RIVER _____MTL_ GR_, NC 208 -H- 3N/7

sheet no. *12* PROJECT REFERENCE NO. DM00242 *NOT TO SCALE STATIONS ARE FIELD MEASURED ALONG EXISTING CENTERLINE LAUREL RIVER ₩NC 208



2

PROJECT REFERENCE NO. SHEET NO.

DMO0242 14

*NOT TO SCALE STATIONS ARE FIELD MEASURED ALONG EXISTING CENTERLINE

SHEET NO. PROJECT REFERENCE NO. DM00242 *NOT TO SCALE STATIONS ARE FIELD MEASURED ALONG EXISTING CENTERLINE A PLANT

AUREL PREP END PROJECT STA. 196+34.00

PROJECT REFERENCE NO. SHEET NO.

DM00242 16

*NOT TO SCALE STATIONS ARE FIELD MEASURED ALONG EXISTING CENTERLINE