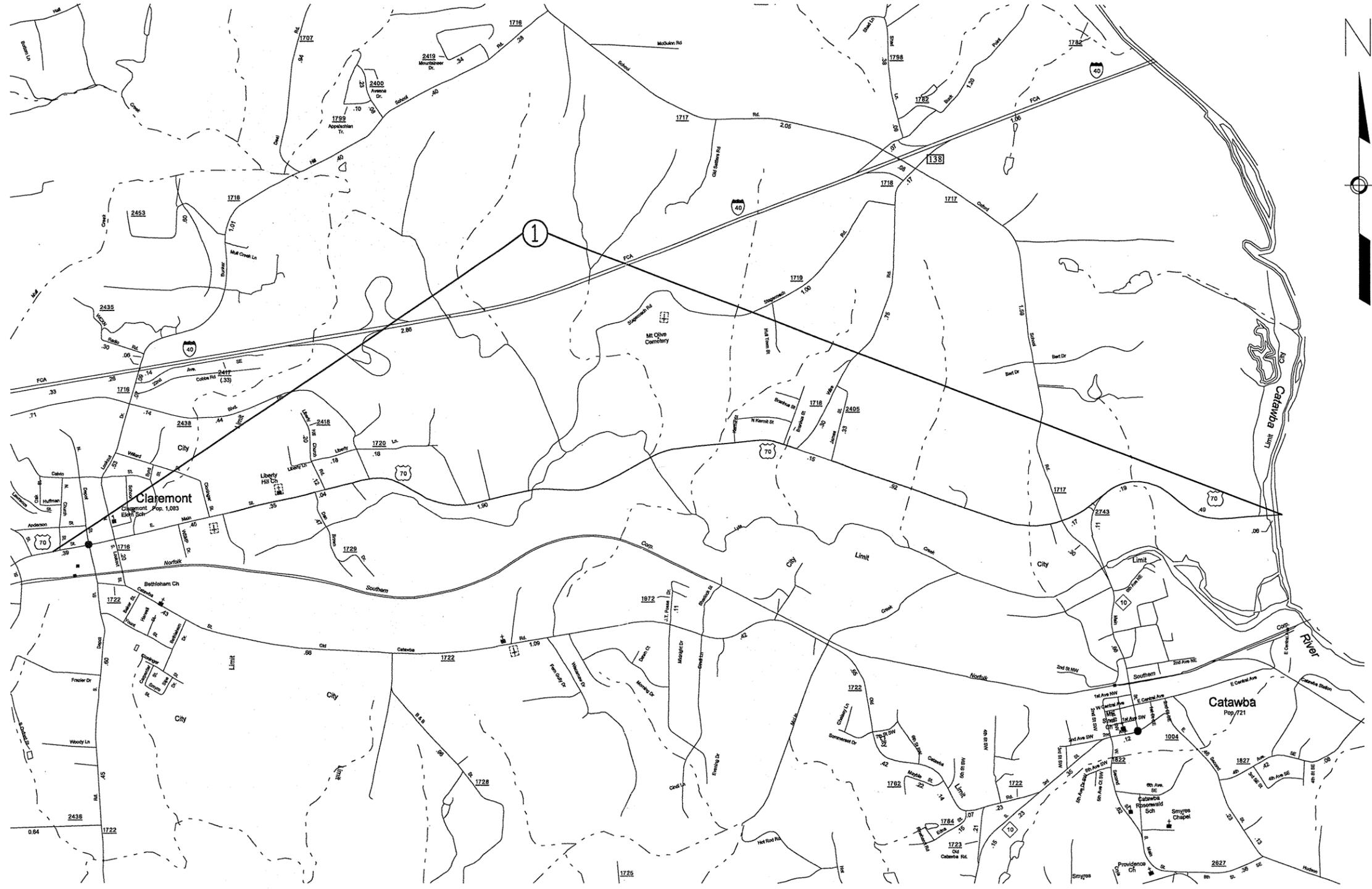


C 001916
CATAWBA

WBS 12CR.10181.5
WBS 12CR.20181.8

STATE	PROJECT	SHEET NUMBER
NC		1



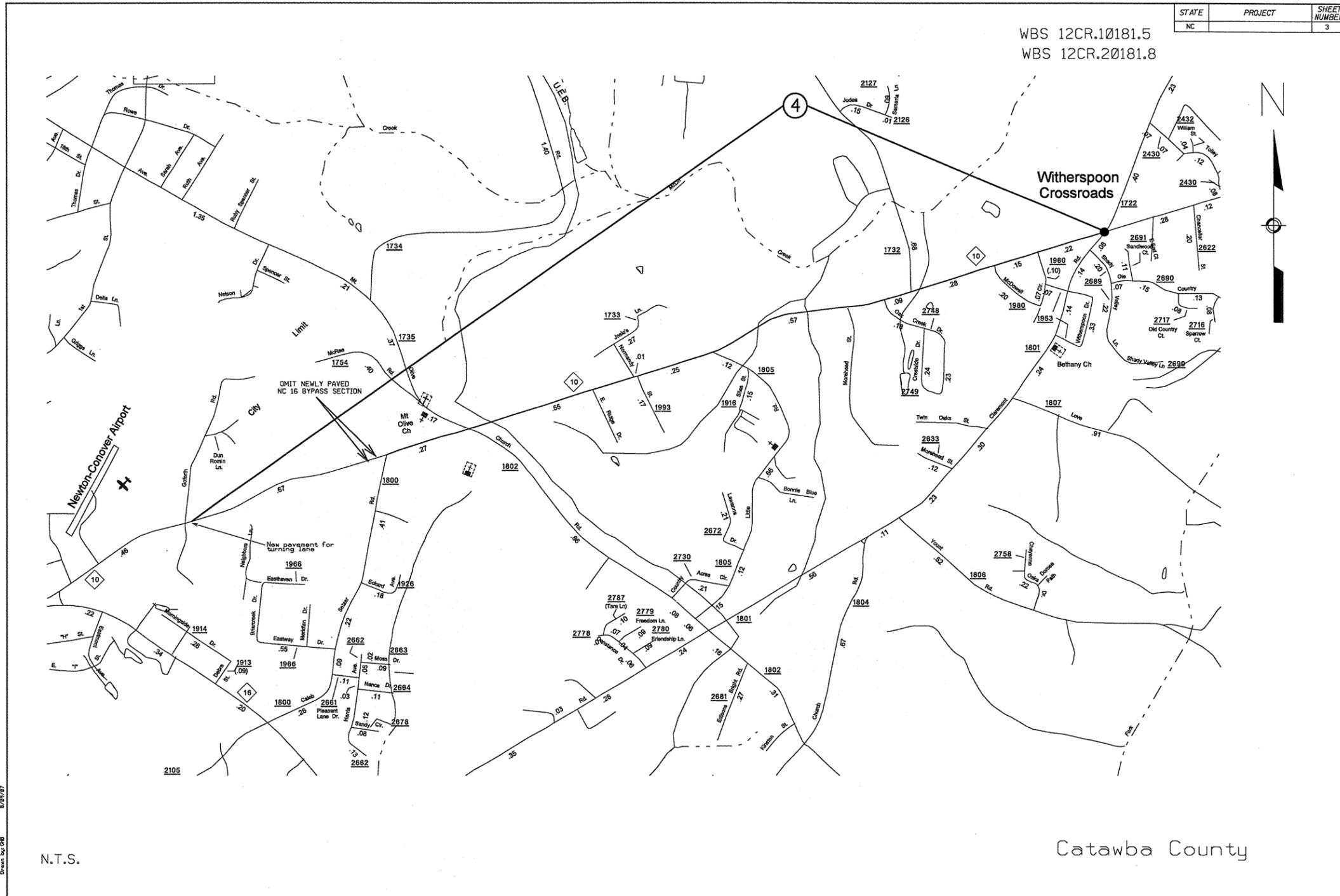
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8/29/87

Catawba County

N.T.S.

STATE	PROJECT	SHEET NUMBER
NC		3

WBS 12CR.10181.5
WBS 12CR.20181.8



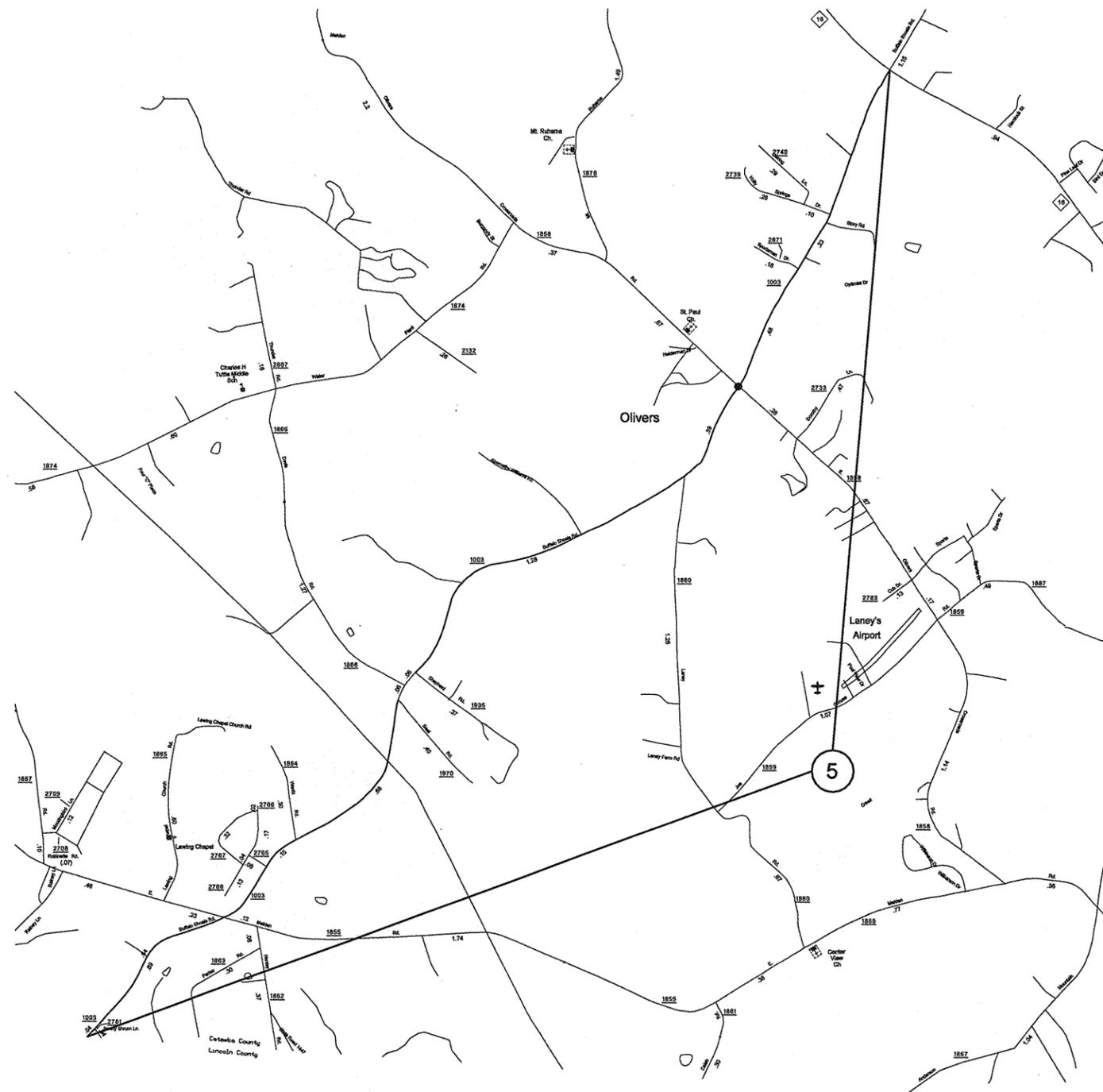
8/23/97
 Drawn by CB

N.T.S.

Catawba County

WBS 12CR.10181.5
WBS 12CR.20181.8

STATE	PROJECT	SHEET NUMBER
NC		4

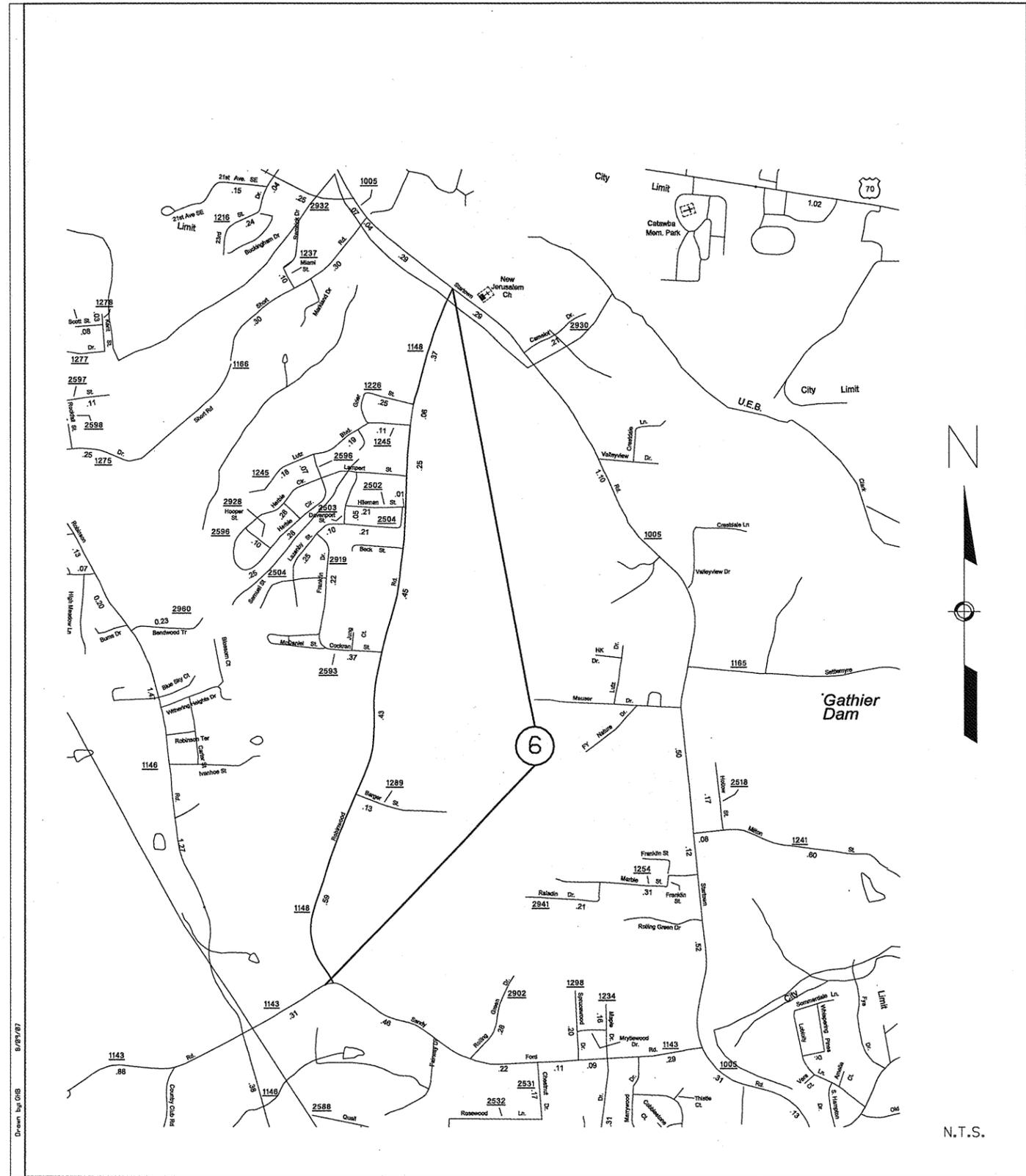


Catawba County N.T.S.

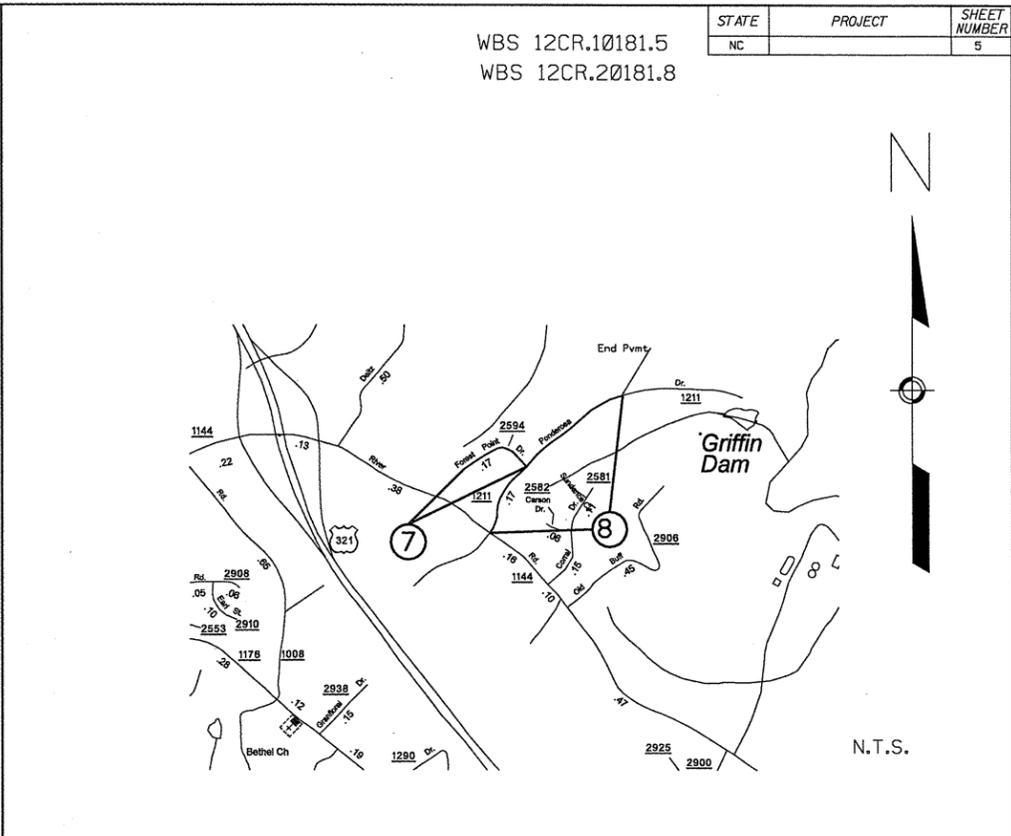
01/24/07
Drawn by: GDB

STATE	PROJECT	SHEET NUMBER
NC		5

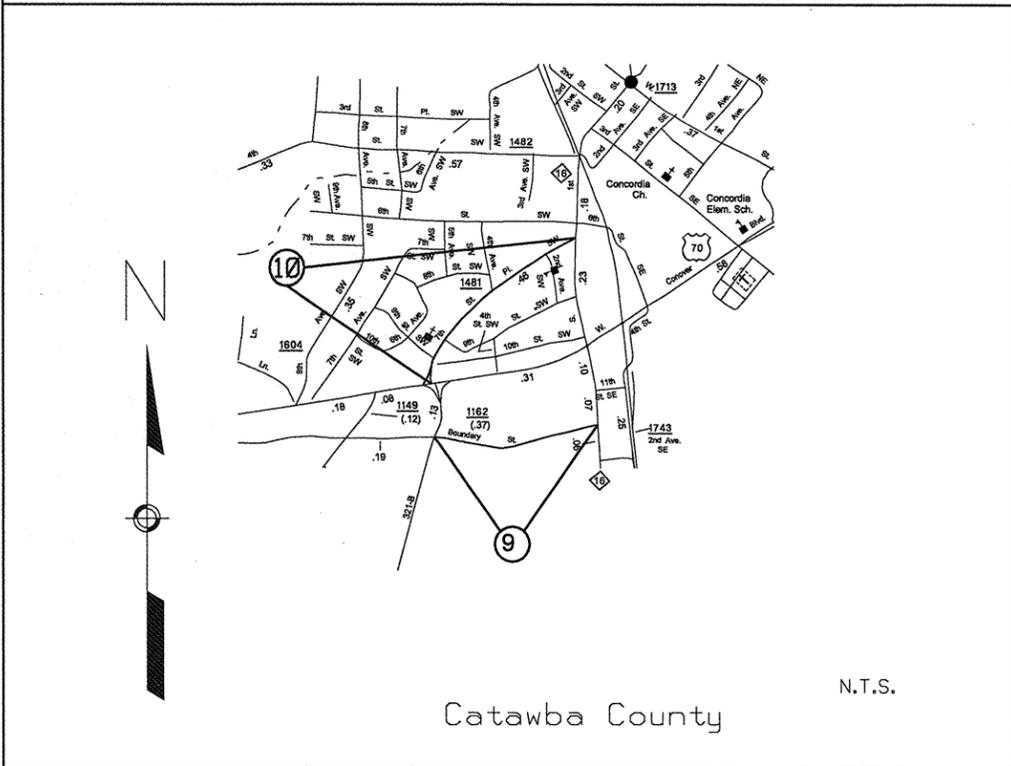
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WBS 12CR.20181.8



N.T.S.



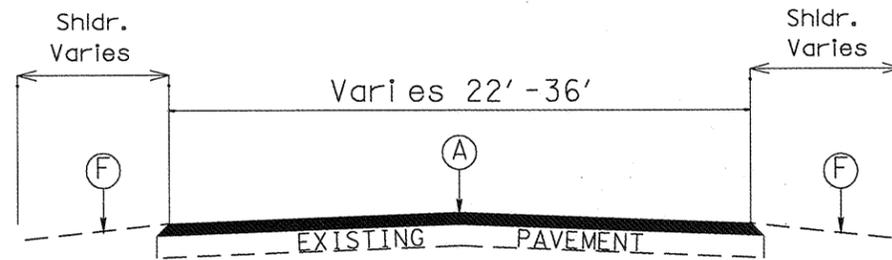
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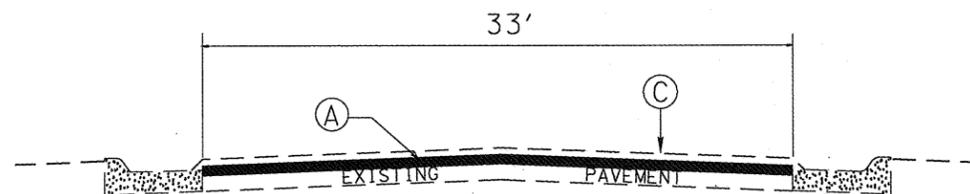
Catawba County

N.T.S.

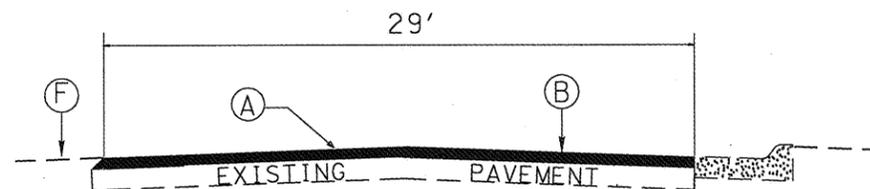
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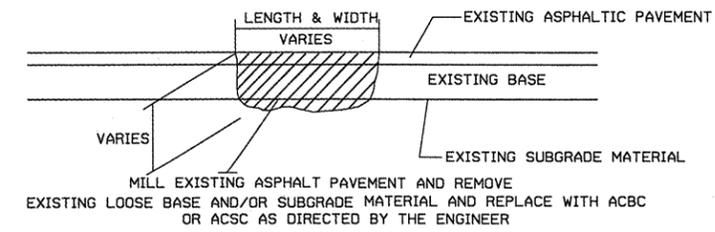
TYPICAL SECTION NO. 1



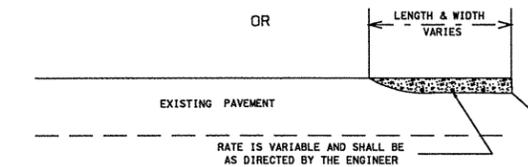
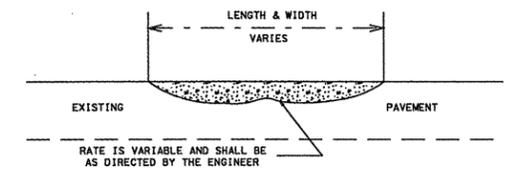
TYPICAL SECTION NO. 2



TYPICAL SECTION NO. 3



PATCHING EXISTING PAVEMENT



ASPHALT CONCRETE SURFACE COURSE
TYPE S9.5B. (LEVELING COURSE)

PAVEMENT SCHEDULE	
A	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
B	MILL ASPHALT PAVEMENT APPROX. 1.5"
C	MILL ASPHALT PAVEMENT APPROX. 3"
D	PROP. APPROX. 8" ASPHALT CONC. BASE COURSE, TYPE B25.0B, AT AN AVG. RATE OF 456 LBS. PER SQ. YD. IN EACH OF 2 LIFTS.
E	ASPHALT SURFACE TREATMENT, MATCOAT, #6 STONE
F	SHOULDER RECONSTRUCTION

General Notes:

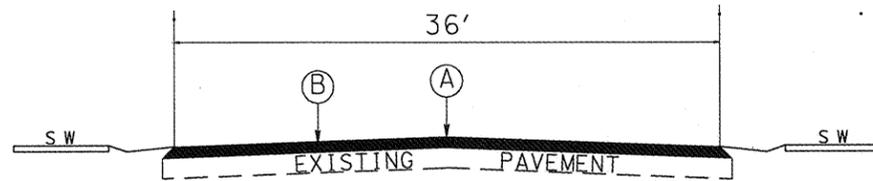
- * Pavement edge slopes are 1:1 unless specified otherwise.
- * Mill bridge approaches at a depth of 1.5" to 0" over a distance of 100' to provide a smooth transition or as directed by the Engineer.

Catawba County
Resurfacing 2008

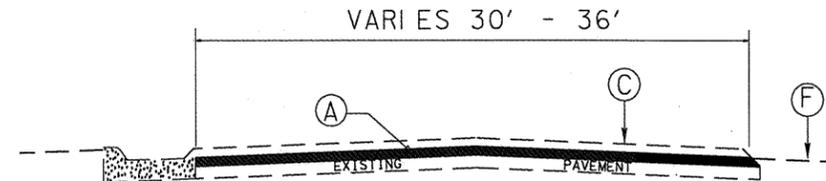
Checked by:

8-13-07

Designed by: GIB

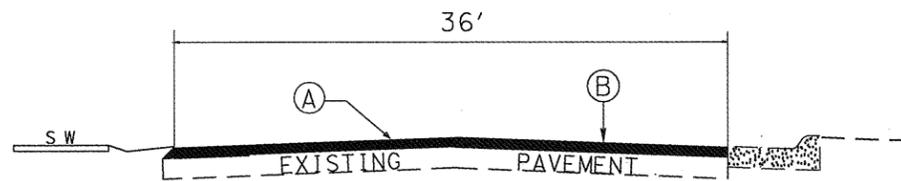


TYPICAL SECTION NO. 4

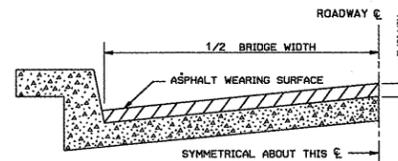


TYPICAL SECTION NO. 7

(MAP # 2. US70 42+00 - 47+00)



TYPICAL SECTION NO. 5



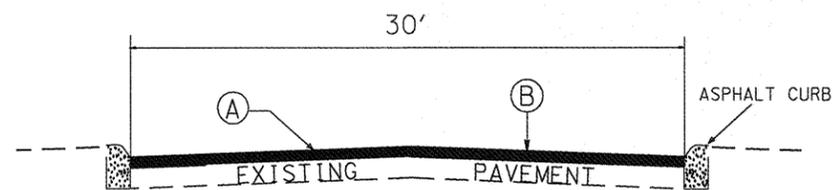
BRIDGE HALF TYPICAL SECTION

FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN.

THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. A THICKNESS OF NOT LESS THAN 5/8" SHALL BE PROVIDED. THE MAXIMUM THICKNESS SHALL PREFERABLY BE 1-1/2" UNLESS IT IS IMPRACTICAL TO PROVIDE A SMOOTH RIDING SURFACE OTHERWISE.

NOTES

ALL UNPAVED S.R. ROADS TO BE SURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT.
 ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.
 EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.
 SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS UNLESS OTHERWISE NOTED.
 BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.



TYPICAL SECTION NO. 6

PAVEMENT SCHEDULE	
A	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
B	MILL ASPHALT PAVEMENT APPROX. 1.5"
C	MILL ASPHALT PAVEMENT APPROX. 3"
D	PROP. APPROX. 8" ASPHALT CONC. BASE COURSE, TYPE B25.0B, AT AN AVG. RATE OF 456 LBS. PER SQ. YD. IN EACH OF 2 LIFTS.
E	ASPHALT SURFACE TREATMENT, MATCOAT, #6 STONE
F	SHOULDER RECONSTRUCTION

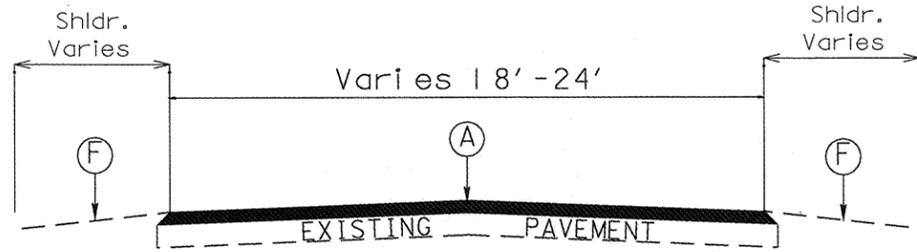
General Notes:

- * Pavement edge slopes are 1:1 unless specified otherwise.
- * Mill bridge approaches at a depth of 1.5" to 0" over a distance of 100' to provide a smooth transition or as directed by the Engineer.

Catawba County
Resurfacing 2008

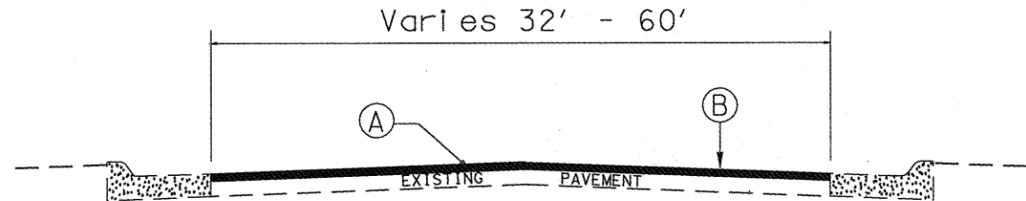
Checked by:

Designed by: GHB 8-13-07

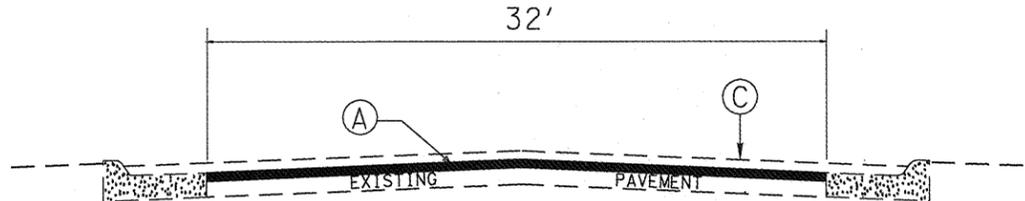


TYPICAL SECTION NO. 8

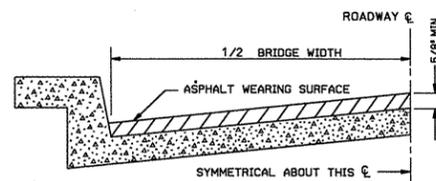
**Note: Shoulder Reconstruction applies only as shown on the summary of quantities.



TYPICAL SECTION NO. 9



TYPICAL SECTION NO. 10



BRIDGE HALF TYPICAL SECTION

FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN.

THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. A THICKNESS OF NOT LESS THAN 5/8\"/>

NOTES

ALL UNPAVED S.R. ROADS TO BE SURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT.
 ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.
 EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.
 SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS UNLESS OTHERWISE NOTED.
 BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

PAVEMENT SCHEDULE	
A	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
B	MILL ASPHALT PAVEMENT APPROX. 1.5"
C	MILL ASPHALT PAVEMENT APPROX. 3"
D	PROP. APPROX. 8" ASPHALT CONC. BASE COURSE, TYPE B25.0B, AT AN AVG. RATE OF 456 LBS. PER SQ. YD. IN EACH OF 2 LIFTS.
E	ASPHALT SURFACE TREATMENT, MATCOAT, #6 STONE
F	SHOULDER RECONSTRUCTION

General Notes:

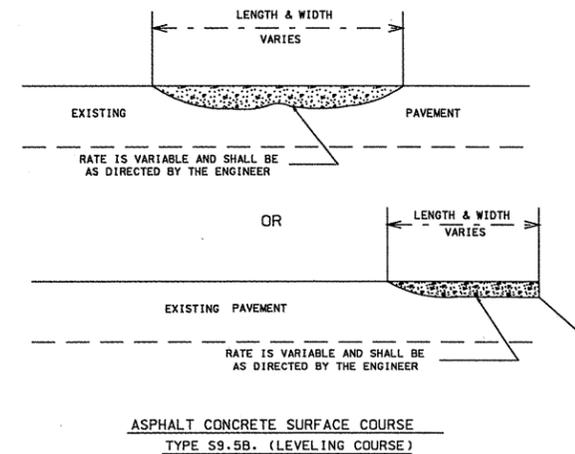
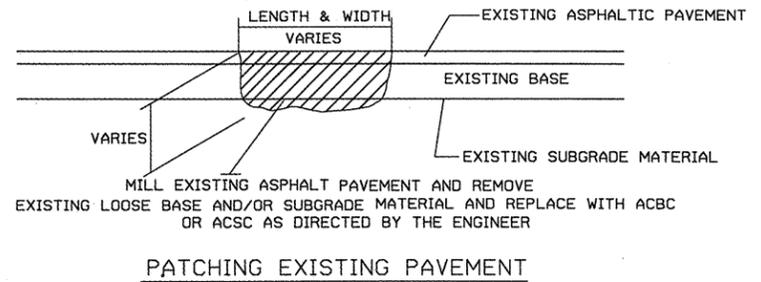
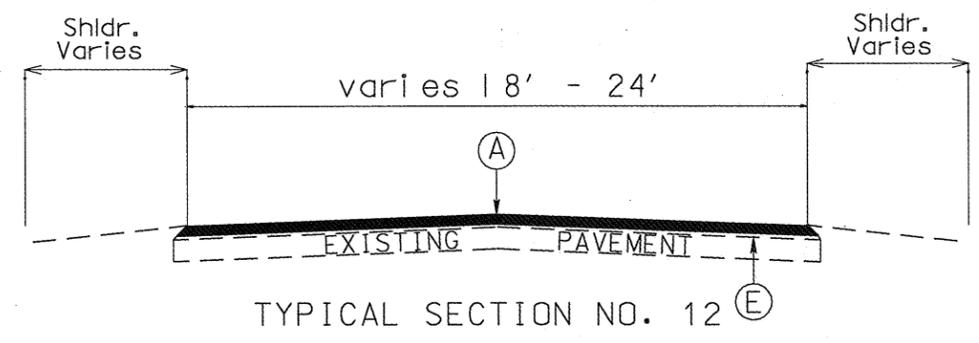
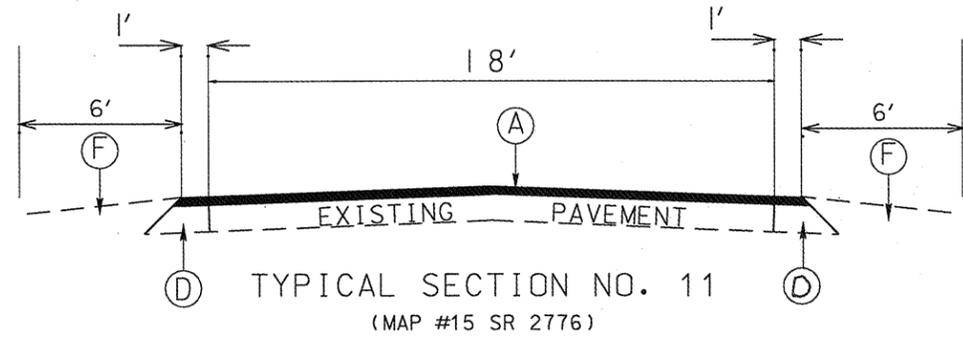
- * Pavement edge slopes are 1:1 unless specified otherwise.
- * Mill bridge approaches at a depth of 1.5" to 0" over a distance of 100' to provide a smooth transition or as directed by the Engineer.

Catawba County
Resurfacing 2008

Checked by:

8-13-07

Designed by: GHB



PAVEMENT SCHEDULE	
A	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
B	MILL ASPHALT PAVEMENT APPROX. 1.5"
C	MILL ASPHALT PAVEMENT APPROX. 3"
D	PROP. APPROX. 8" ASPHALT CONC. BASE COURSE, TYPE B25.0B, AT AN AVG. RATE OF 456 LBS. PER SQ. YD. IN EACH OF 2 LIFTS.
E	ASPHALT SURFACE TREATMENT, MATCOAT, #6 STONE
F	SHOULDER RECONSTRUCTION

General Notes:

- * Pavement edge slopes are 1:1 unless specified otherwise.
- * Mill bridge approaches at a depth of 1.5" to 0" over a distance of 100' to provide a smooth transition or as directed by the Engineer.

Catawba County
Resurfacing 2008

Checked by: B-13-07 Designed by: GHB

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LENGTH MI	WIDTH FT	INCIDENTAL STONE BASE TONS	SHOULDER RECONST. SMI	1.5" MILLING SY	3" MILLING SY	INCIDENTAL MILLING SY	BASE COURSE, B25.0B TONS	SURFACE COURSE, S9.5B TONS	LEVELING COURSE, S9.5B TONS	PG 64-22 PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	AST MAT COAT # SY	ADJUST. OF CATCH BASIN EA	ADJUST. OF DROP INLET EA	ADJUST. OF MANHOLES EA	ADJUST. OF METER OR VALVE BOX EA					
12CR.10181.5	Catawba	1	US70	FROM IREDELL COUNTY LINE TO 150' WEST OF N. CHURCH ST. NEAR CLAREMONT TOWN LIMITS SIGN	1	4.46	vars. 22-36		8.92	0	0	800															
					2	0.22	33		0	0	4500																
					3	0.19	29		0	0.19	3300	0	0	0													
					4	0.13	36		0	0.13	3000	0	0	0													
				FROM NEW PAVEMENT 480' S. OF US 70 BRDG. TO SR 1349 (CENTER ST.)	7	0.23	30		0	4200	0	0															
				FROM SR 1005 TO NEW PVMT AT US 321 RAMPS	9	0.23	vars. 44-55	140	0.09	0	2000	0		7,161	800	478	700			2	2	12	15				
				FROM SR 1801 (CLAREMONT RD.) WEST TO NEW PAVEMENT 200' EAST OF GOFORTH RD EXCEPTING NEWLY PAVED SECTION WITH NC 16 BYPASS	1	1.46	var. 22-36	20	0	5600				511	60	35	60					3	2				
					1	3.07	22	100	6.14					3,682	575	256	375										
TOTAL FOR PROJ NO. 12CR.10181.5 (PRIMARY)						10.12		300	18.35	5600	6500	800		13,130	1,785	903	1,485		2	2	15	17					
12CR.20181.8	Catawba	5	SR 1003 (BUFFALO SHOALS RD.)	LINC. CO. LINE TO NC 16	8	4.8	22	100	9.6					5,757	1,000	405	1,000					2					
				SR 1148 (ROBINWOOD RD.)	6	2.13	19	60				2,216	400	157	400												
				SR 2594 (FOREST PT. CEDARWOOD DR.)	7	0.16	20	40				215	40	16	40	2,065											
				SR 1211 (PONDEROSA DR.)	8	0.41	18	30				403	40	27	40												
				SR 1162 (BOUNDARY ST.)	9	0.35	21	30				117					318	60	29	60						2	
					9	0.06	vars. 32-60																				
				SR 1481 (7TH ST. PL. SW CNVR)	10	.39	32	40					2000	9000				854	130	60	130			2	1	5	4
				SR 2518 (HOLLOW ST.)	11	0.17	18	30										167	20	11	20						
				SR 1241 (MILTON ST.)	12	0.61	18	30										599	60	40	100						
				SR 2299 (30TH ST. CT. HCKY)	13	0.24	20	30										291	40	20	40						
				SR 1810 (PROVIDENCE MILL RD.)	14	3.8	20	100										4,146	400	273	400						
				SR 2776 BANDYS X RDS. WEST	15	1.4	20	60				2.8						1,527	150	150	100						
SR 1831 (BOLTON RD.)	16	2.45	20	60										2,673	300	180	500										
SR 1740 (LINEBERGER RD. SE)	17	0.27	18	30										265	60	20	60					3,000					
SR 1286 (INDUSTRIAL DR.)	18	0.29	24	30										379	125	31	125					4,100					
TOTAL FOR PROJ NO. 12CR.20181.8 (SECONDARY)						17.53		670	12.4	2000	9000	1617	1125	19,810	2,825	1,419	3,015	9,165	2	1	5	8					
CATAWBA COUNTY GRAND TOTAL						27.65		970	30.75	7500	15,500	2417	1125	32,940	4,610	2,322	4,500	9,165	4	3	20	25					

PROJECT NO.	TOTAL NO.
12CR.10181.5	14
12CR.20181.8	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	4685000000-E	4686000000-E	4695000000-E	4710000000-E	4721000000-E	4725000000-E				4810000000-E		4820000000-E	4905000000-N				
					4" X 90 M WHITE THERMO	4" X 120 M YELLOW THERMO	4" X 120 M WHITE THERMO	8" X 90 M WHITE THERMO	24" X 120 M WHITE THERMO	THERMO MSG ONLY 120M	THERMO MSG SCHOOL 120 M	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR. & RT ARROW 90M	THERMO STR. ARROW	4" WHITE PAINT	4" YELLOW PAINT	8" WHITE PAINT	SNOW PLOWABLE MARKERS		
					LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA				
12CR.10181.5	Catawba	1	US 70	FROM IREDELL CO. TO 150' WEST OF N. CHURCH ST. NEAR CLAREMONT TOWN LIMITS	56,600	63,000	3000		324	8	12	8		8		12,500	12,500	450			
			NC 127	FROM NEW PAVMT. 480' S. OF US 70 BRDG. TO SR 1349 (CENTER ST.)		2750	750		36				2		3		750	2,750	60		
			NC10	SR 1005 TO NEW PVMIT AT US 321 RAMPS	16,500	16,500			48						2		2			110	
			NC 10	FROM SR 1801 (CLAREMONT RD.) WEST TO NEW PAVEMENT 200' EAST OF GOFORTH RD. EXCEPT NEWLY PAVED SECTION AT NC 16 BYPASS	34,250	31,750	500		74											225	
TOTAL FOR PROJ NO. 12CR.10181.5 (PRIMARY)					107,350	114,000	4250		482	8	12	12		13		13,250	15,250	845			
						118250				20			25		28500						
12CR.20181.8	Catawba	5	SR 1003 (BUFFALO SHOALS RD.)	LINC. CO. LINE TO NC 16					60							102,500	102,500				
		6	SR 1148 (ROBINWOOD RD.)	FROM SR 1005 TO SR 1143					24				1	1			46,000	46,000			
		7	SR 2594 (FOREST PT. CEDARWOOD DR.)	FROM SR 1211 TO CUL-DE-SAC																	
		8	SR 1211 (PONDEROSA DR.)	FROM SR 1144 TO EOP																	
		9	SR 1162 (BOUNDARY ST.)	FROM SR 321B TO NC 16						30				3	2		7,500	7,500	200	25	
		10	SR 1481 (7TH ST. PL. SW CNVR)	US 70 TO NC 16		750	5,000	200	200	122			6	2	2				500		
		11	SR 2518 (HOLLOW ST.)	FROM SR 1241 TO EOP																	
		12	SR 1241 (MILTON ST.)	FROM SR 1005 TO EOP																	
		13	SR 2299 (30TH ST. CT. HCKY)	FROM SR 1441 TO CUL-DE-SAC																	
		14	SR 1810 (PROVIDENCE MILL RD.)	FROM NC 16 TO NEW PVMIT						20							85,000	83,000			
		15	SR 2776 (BANDYS X RDS. WEST)	FROM 1003 TO SR 1810													30,000	30,000			
		16	SR 1831 (BOLTON RD.)	FROM SR 1004 TO SR 1833													52,500	52,500			
		17	SR 1740 (LINEBERGER RD. SE)	FROM SR 1739 TO US 70													6,000				
		18	SR 1286 (INDUSTRIAL DR.)	FROM SR 1164 TO EOP													6,250	6,250	700	25	
		TOTAL FOR PROJ NO. 12CR.20181.8 (SECONDARY)					750	5,000	200	200	256		6	6	5	3	335,750	327,750	700	25	
								5200													
		CATAWBA COUNTY GRAND TOTAL					108,100	119,000	4450	200	738	8	18	18	5	13	3	349,000	343,000	700	870
								123,450				26			39		692,000				

