STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5132, I-5203B, etc	1	

STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
*45242.3.1	STP - 0076 (9)	CONST. (W-5132)
**46280.3.3	IMPP-040-5(57)390	CONST. (I-5203B)
***3CR.10101.138		
***3CR.20101.138		
***3CR.10651.138		
***3CR.20651.138		

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NEW HANOVER, BRUNSWICK & PENDER COUNTIES

LOCATION: I-40 RAMPS, US 74, US 76, US 117, NC 133, NC 132 AND 21 SECONDARY ROADS

TYPE OF WORK: MILLING, WIDENING, RESURFACING & SHOULDER RECONSTRUCTION

*ADDITION OF RIGHT TURN LANE ON US 76

**MILL AND FILL I-40 RAMPS

***VARIOUS DIVISION THREE PRIMARY AND SECONDARY RESURFACINGS

INDEX

1	TITLE SHEET
2 - 11	MAP SHEETS
12 - 21	TYPICAL SHEEETS
22 - 38	DETAIL SHEETS
39 - 74	SUMMARY OF QUANTITIES
75 - 90	PLAN SHEETS

CONTRACT: C203192 TIP PROJECT: W-5132 & I-5203B

PROJECT LENGTH

LENGTH OF TIP PROJECT W-5132 = 0.05 MI

LENGTH OF TIP PROJECT I-5203B = 5.48 MI

LENGTH OF RESURFACINGS = 42.931 MI

TOTAL LENGTH = 48.461 MI

Prepared in the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC, 27610

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:
JANUARY 15, 2013

PROJECT ENGINEER

PROJECT DESIGN ENGINEER

DESIGN ENGINEER

SIGNATURE: P.E.

STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION ·

09/08/99
26-NOV-2012 14:16
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cschoonmaker AT 03CAD257158

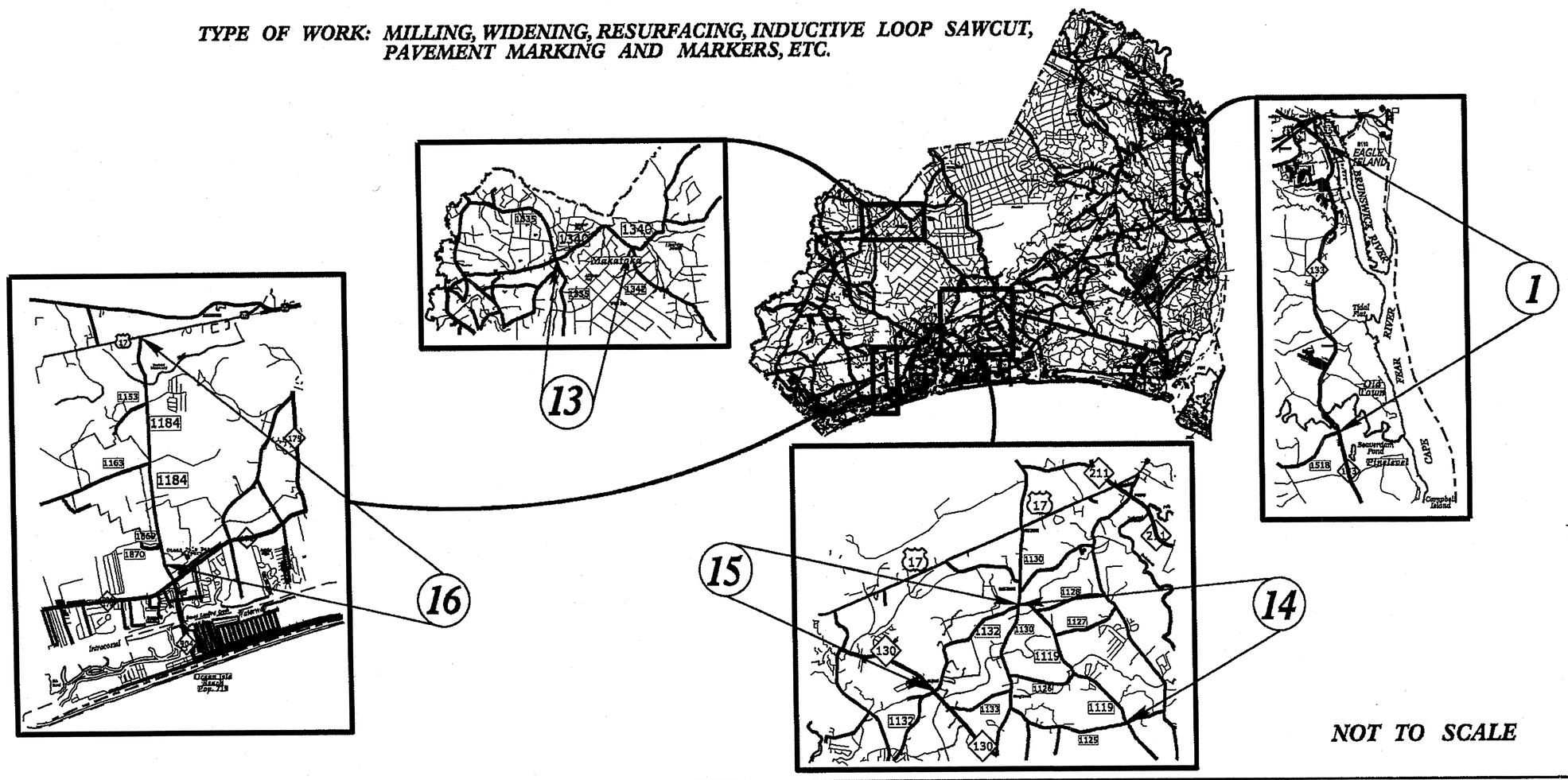
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	3CR.10101.138, ETC.	2	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

BRUNSWICK COUNTY

LOCATION: BRUNSWICK CO.: 1 SECTION OF NC 133
4 SECTIONS OF SECONDARY ROADS

TYPE OF WORK: MILLING, WIDENING, RESURFACING, INDUCTIVE LOOP SAWCUT, PAVEMENT MARKING AND MARKERS, ETC.



NOT TO SCALE

WBS NO: 3CR.10101.138, ETC.

CONTRACT:

PROJECT LENGTH

PRIMARY	SECONDARY
MAP NO. 1 = 7.17 MI.	MAP NO. 13 = 4.15 MI. MAP NO. 14 = 2.80 MI. MAP NO. 15 = 2.30 MI. MAP NO. 16 = 3.29 MI.
SUB-TOTAL = 7.17 MI.	SUB-TOTAL = 12.54 MI.

SHEET TOTAL = 19.71 MI.

Prepared in the Office of:
DIVISION OF HIGHWAYS
5501 Barbados Blvd., Castle Hayne, NC 28429

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:
JANUARY 2013

HYDRAULICS ENGINEER
SIGNATURE: P.E.

ROADWAY DESIGN TECHNICIAN
CMS
SIGNATURE:
MPK
SIGNATURE:

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

11/13/2012
20-NOV-2012 15:30
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mkimmel AT D3CAD25\TI56

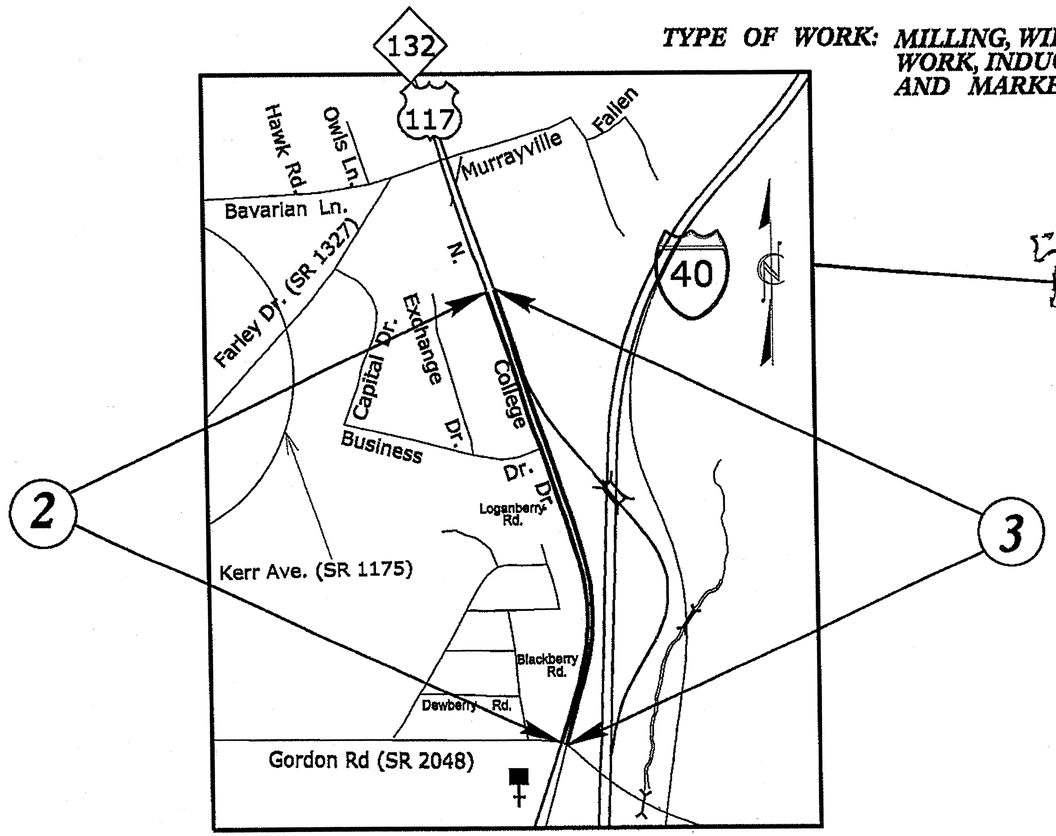
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	3CR.10101.138, ETC.	3	

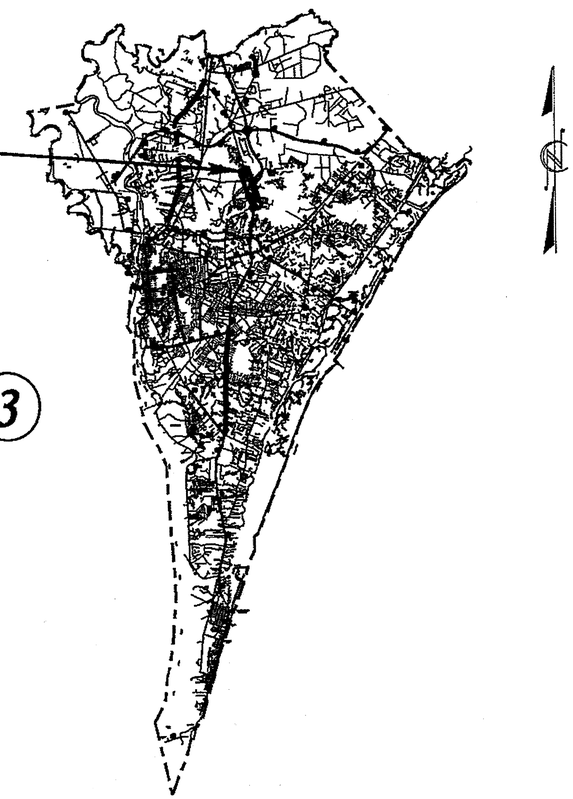
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NEW HANOVER COUNTY

LOCATION: 2 SECTIONS OF US 117/NC 132.

TYPE OF WORK: MILLING, WIDENING, RESURFACING, MISC. CONCRETE WORK, INDUCTIVE LOOP SAWCUT, PAVEMENT MARKING AND MARKERS, ETC.





NOT TO SCALE

WBS NO: 3CR.10101.138, ETC.

CONTRACT:

PROJECT LENGTH	
PRIMARY	
(EBL) MAP NO. 3 =	0.63 MI.
(SBL) MAP NO. 2 =	0.62 MI.
SUB-TOTAL =	0.63 MI.
SHEET TOTAL =	0.63 MI.

Prepared in the Office of:
DIVISION OF HIGHWAYS
5501 Barbados Blvd., Castle Hayne, NC 28429

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:
JANUARY 2013

HYDRAULICS ENGINEER

SIGNATURE: P.E.

ROADWAY DESIGN TECHNICIAN
CMS
SIGNATURE:
MPK
SIGNATURE:

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

11/14/2012

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mkimmel AT D3CAD257156

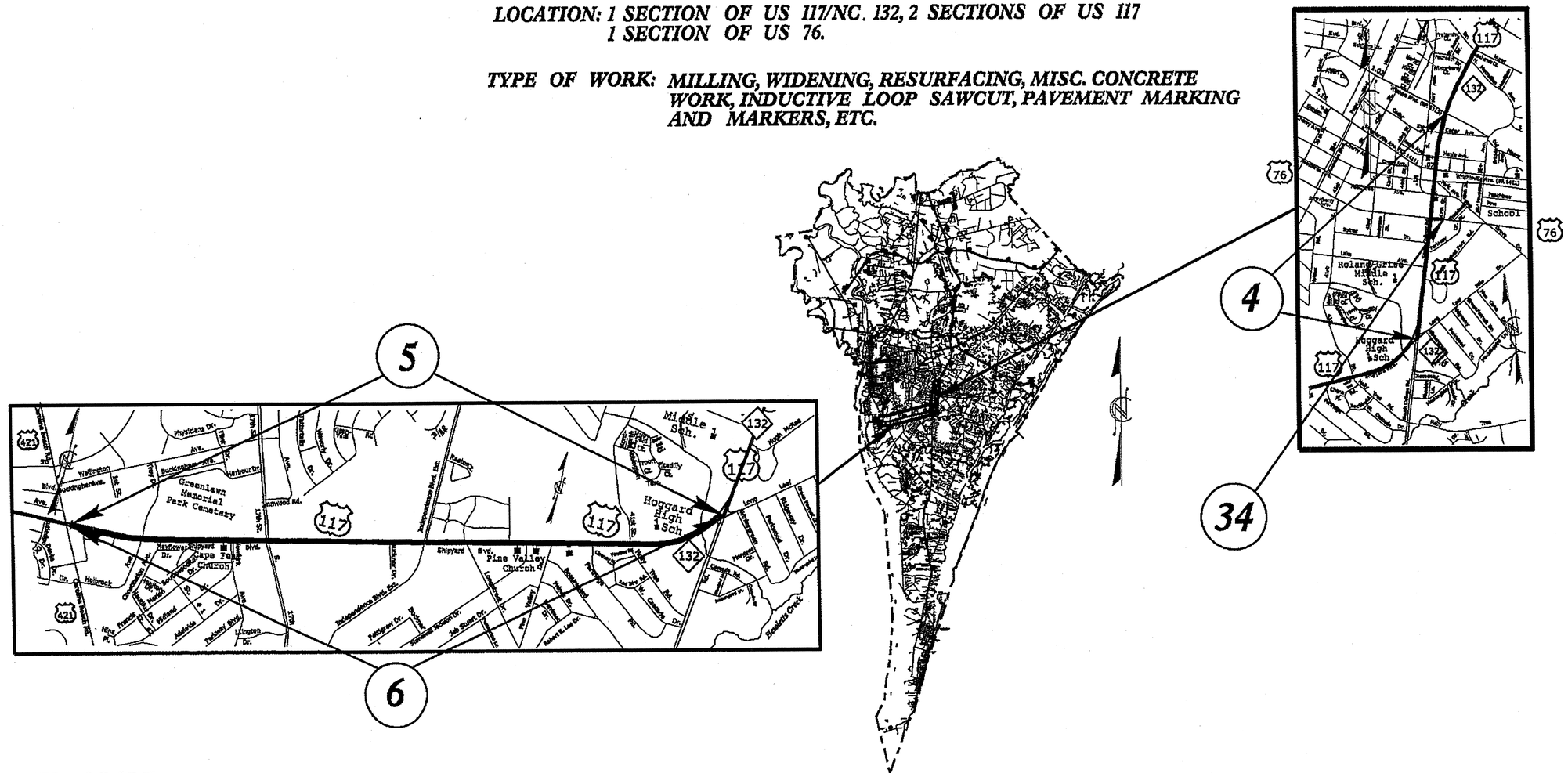
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	3CR.10101.138, ETC.	4	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NEW HANOVER COUNTY

LOCATION: 1 SECTION OF US 117/NC. 132, 2 SECTIONS OF US 117
1 SECTION OF US 76.

TYPE OF WORK: MILLING, WIDENING, RESURFACING, MISC. CONCRETE WORK, INDUCTIVE LOOP SAWCUT, PAVEMENT MARKING AND MARKERS, ETC.



NOT TO SCALE

PROJECT LENGTH

PRIMARY	
MAP NO. 4 =	1.17 MI.
(NBL) MAP NO. 6 =	2.73 MI.
(SBL) MAP NO. 5 =	2.64 MI.
MAP NO. 34 =	0.05 MI.
SUB-TOTAL =	3.95 MI.

SHEET TOTAL = 3.95 MI.

Prepared in the Office of:
DIVISION OF HIGHWAYS
5501 Barbados Blvd., Castle Hayne, NC 28429

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:
JANUARY 2013

HYDRAULICS ENGINEER

SIGNATURE: P.E.

ROADWAY DESIGN TECHNICIAN
CMS
SIGNATURE:
MPK
SIGNATURE:

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

CONTRACT:

WBS NO: 3CR.10101.138, ETC.

11/14/2012

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mkimmel AT D3CAD257166

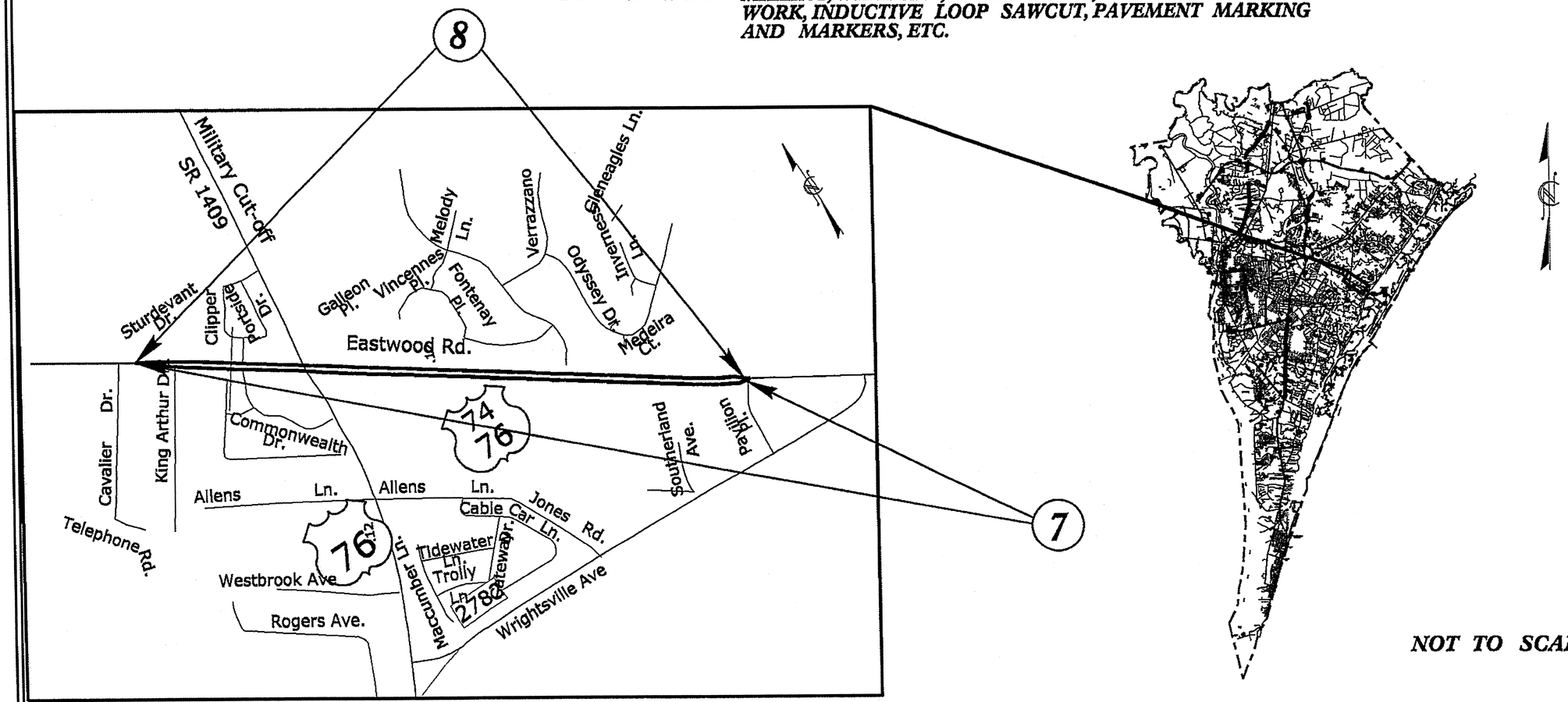
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	3CR.10101.138, ETC.	5	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NEW HANOVER COUNTY

LOCATION: 2 SECTIONS OF US 74 .

TYPE OF WORK: MILLING, WIDENING, RESURFACING, MISC. CONCRETE WORK, INDUCTIVE LOOP SAWCUT, PAVEMENT MARKING AND MARKERS, ETC.



WBS NO: 3CR.10101.138, ETC.

CONTRACT:

PROJECT LENGTH

PRIMARY	
(EBL) MAP NO. 7 =	0.86 MI.
(WBL) MAP NO. 8 =	0.86 MI.
SUB-TOTAL =	0.86 MI.

SHEET TOTAL = 0.86 MI.

Prepared in the Office of:
DIVISION OF HIGHWAYS
5501 Barbados Blvd., Castle Hayne, NC 28429

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:
JANUARY 2013

HYDRAULICS ENGINEER
SIGNATURE: P.E.

ROADWAY DESIGN TECHNICIAN
CMS
SIGNATURE:
MPK
SIGNATURE:

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

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mkimmel AT DSCAD257\56

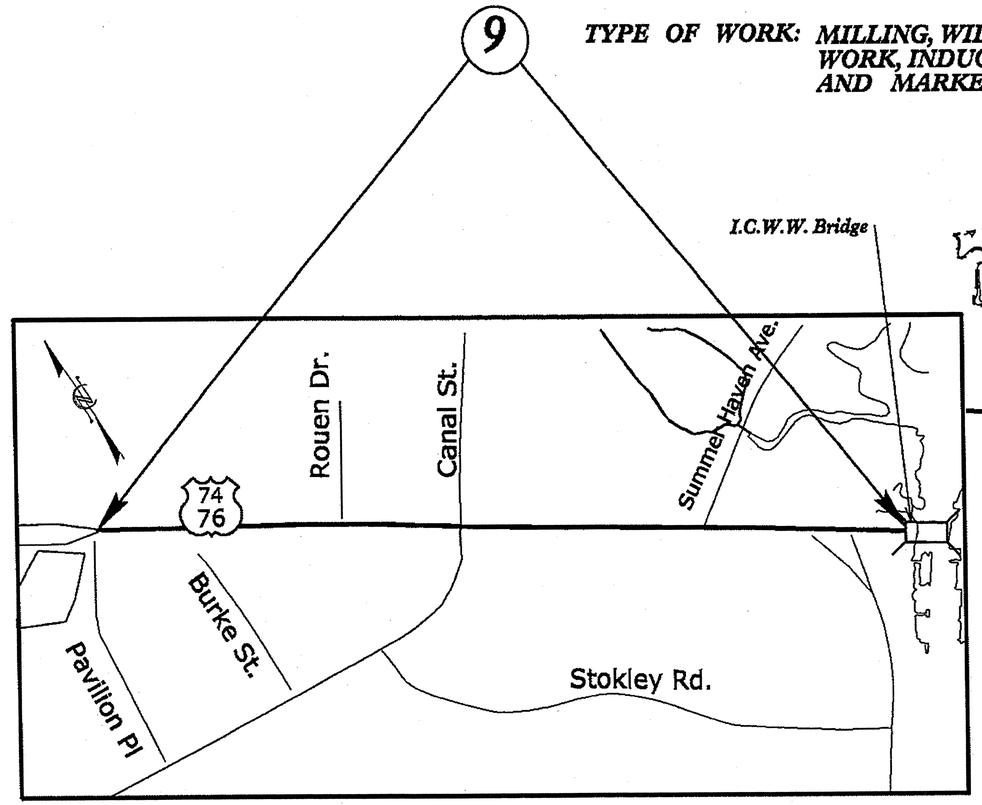
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	3CR.10101.138, ETC.	6	

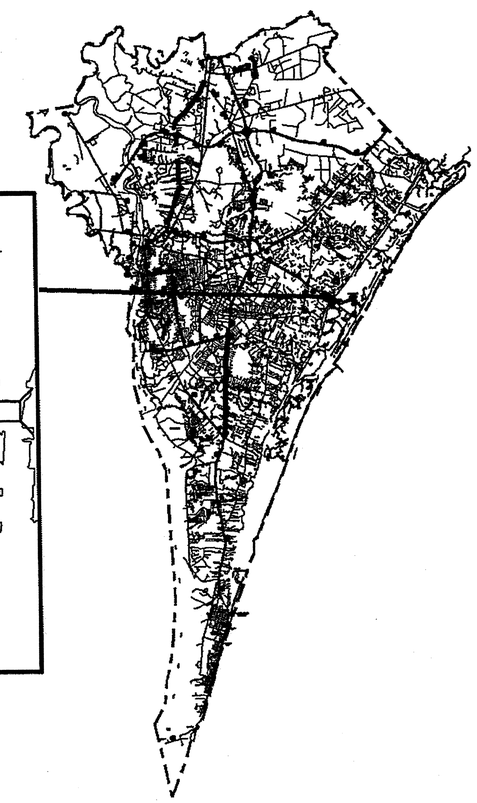
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NEW HANOVER COUNTY

LOCATION: 1 SECTION OF US 74

TYPE OF WORK: MILLING, WIDENING, RESURFACING, MISC. CONCRETE WORK, INDUCTIVE LOOP SAWCUT, PAVEMENT MARKING AND MARKERS, ETC.





NOT TO SCALE

WBS NO: 3CR.10101.138, ETC.

CONTRACT:

PROJECT LENGTH
PRIMARY
MAP NO. 9 = 1.29 MI.
SUB-TOTAL = 1.29 MI.
SHEET TOTAL = 1.29 MI.

Prepared in the Office of:
DIVISION OF HIGHWAYS
5501 Barbados Blvd., Castle Hayne, NC 28429

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:
JANUARY 2013

HYDRAULICS ENGINEER
SIGNATURE: P.E.

ROADWAY DESIGN TECHNICIAN
CMS
SIGNATURE:
MPK
SIGNATURE:

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

11/14/2012
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mkimmel AT D3CAD257156

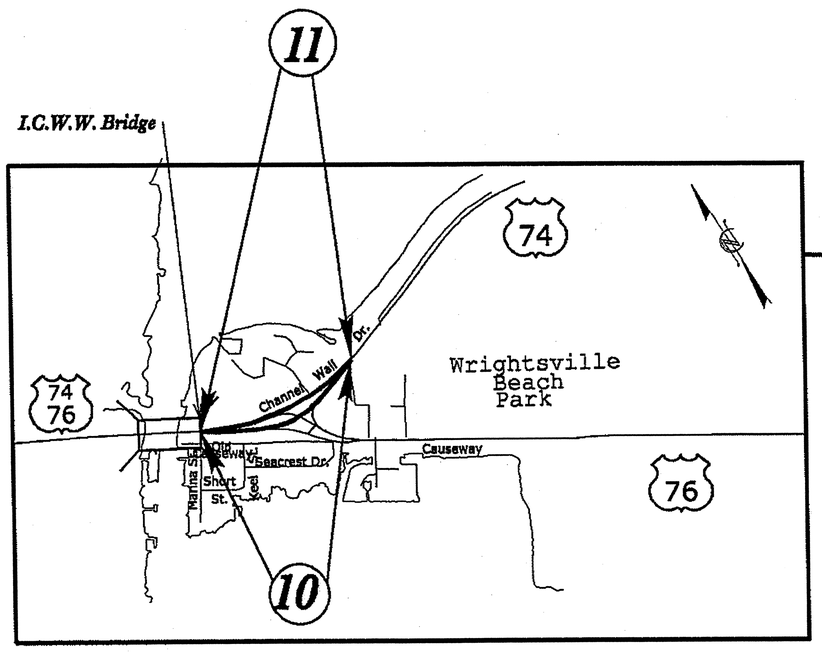
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	3CR.10101.138, ETC.	7	

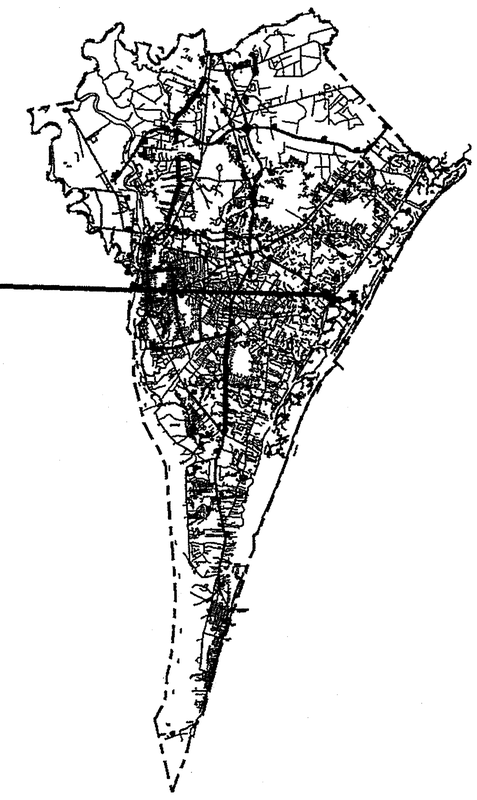
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NEW HANOVER COUNTY

LOCATION: 2 SECTIONS OF US 74.

TYPE OF WORK: MILLING, WIDENING, RESURFACING, MISC. CONCRETE WORK, INDUCTIVE LOOP SAWCUT, PAVEMENT MARKING AND MARKERS, ETC.





NOT TO SCALE

WBS NO: 3CR.10101.138, ETC.

CONTRACT:

PROJECT LENGTH

PRIMARY	
(EBL) MAP NO. 10 =	0.34 MI.
(WBL) MAP NO. 11 =	0.33 MI.
SUB-TOTAL =	0.34 MI.

SHEET TOTAL = 0.34 MI.

Prepared in the Office of:
DIVISION OF HIGHWAYS
5501 Barbados Blvd., Castle Hayne, NC 28429

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:
JANUARY 2013

HYDRAULICS ENGINEER
SIGNATURE: P.E.

ROADWAY DESIGN TECHNICIAN
CMS
SIGNATURE:
MPK
SIGNATURE:

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

11/14/2012
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mkimmel AT DSCAD257156

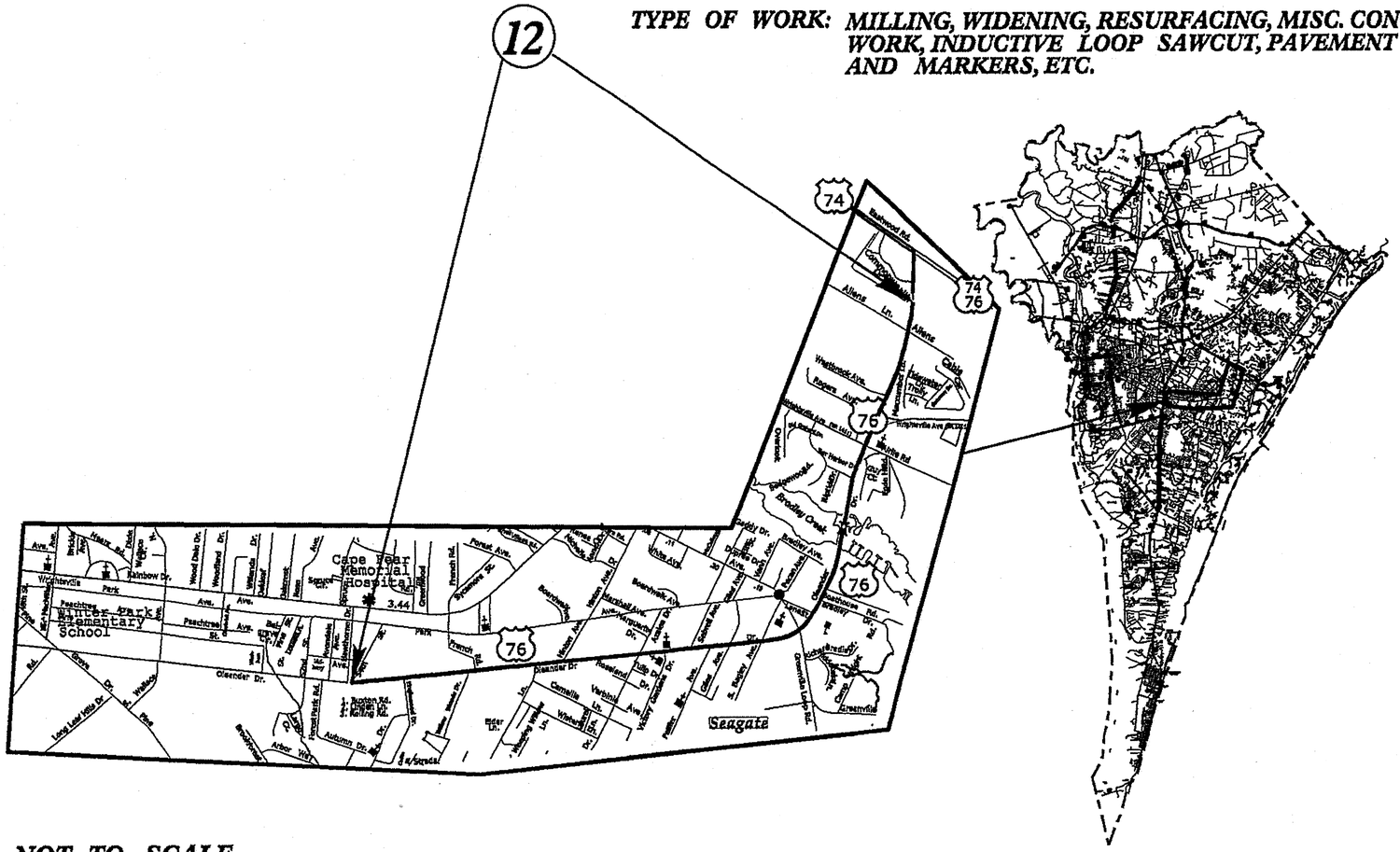
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	3CR.10101.138, ETC.	8	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NEW HANOVER COUNTY

LOCATION: 1 SECTION OF US 76

TYPE OF WORK: MILLING, WIDENING, RESURFACING, MISC. CONCRETE WORK, INDUCTIVE LOOP SAWCUT, PAVEMENT MARKING AND MARKERS, ETC.



NOT TO SCALE

WBS NO: 3CR.10101.138, ETC.

CONTRACT:

PROJECT LENGTH
PRIMARY
MAP NO. 12 = 2.77 MI.
SUB-TOTAL = 2.77 MI.
SHEET TOTAL = 2.77 MI.

Prepared in the Office of:
DIVISION OF HIGHWAYS
5501 Barbados Blvd., Castle Hayne, NC 28429

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:
JANUARY 2013

HYDRAULICS ENGINEER

SIGNATURE: P.E.

ROADWAY DESIGN TECHNICIAN
CMS
SIGNATURE:
MPK
SIGNATURE:

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

11/14/2012
21-NOV-2012 07:38
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mkimmel A1 D3CAD25.7.56

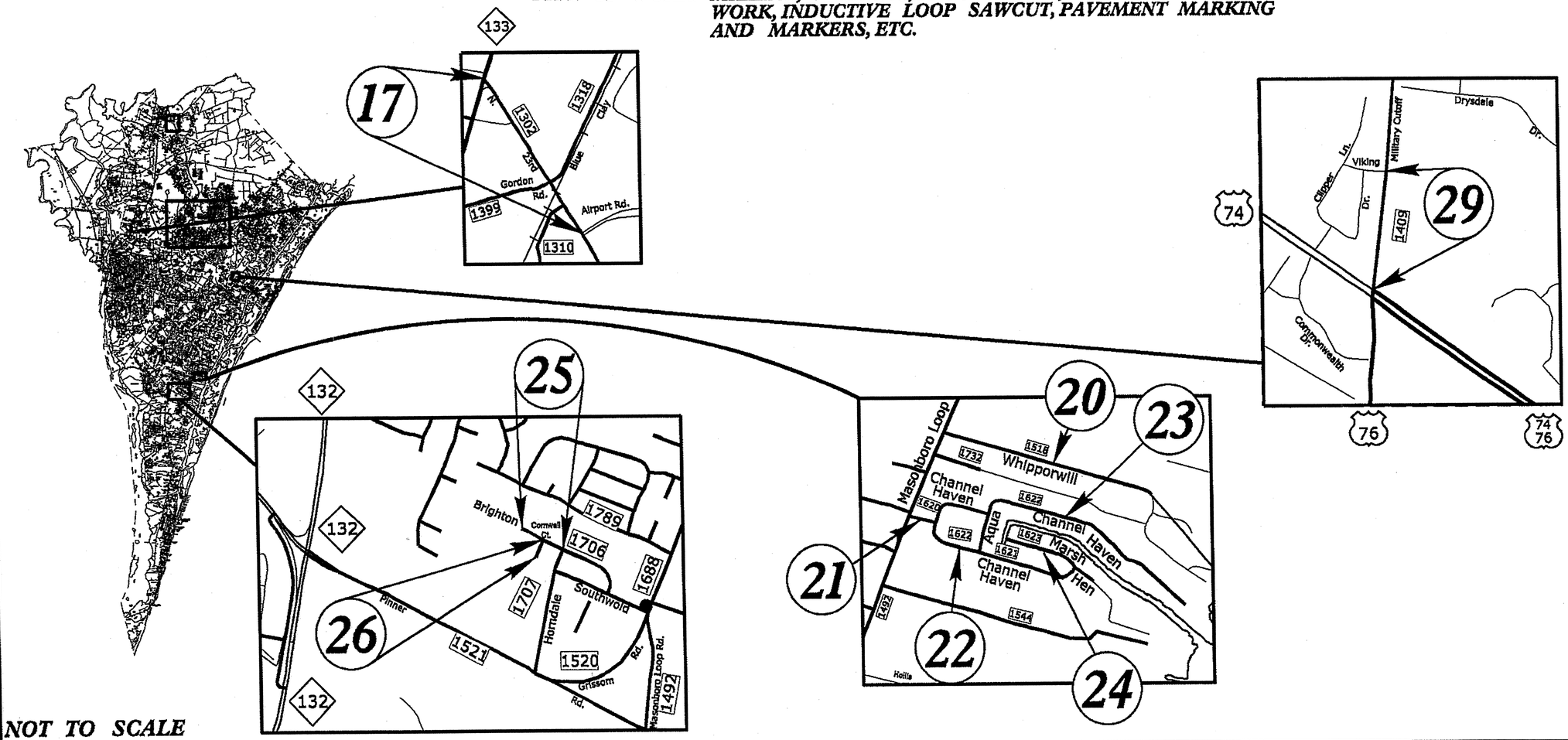
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	3CR.10101.138, ETC.	9	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NEW HANOVER COUNTY

LOCATION: 9 SECTIONS OF SECONDARY ROADS

TYPE OF WORK: MILLING, WIDENING, RESURFACING, MISC. CONCRETE WORK, INDUCTIVE LOOP SAWCUT, PAVEMENT MARKING AND MARKERS, ETC.



NOT TO SCALE

WBS NO: 3CR.10101.138, ETC.

CONTRACT:

PROJECT LENGTH

SECONDARY

MAP NO. 17 =	0.52 MI.	MAP NO. 25 =	0.12 MI.
MAP NO. 20 =	0.40 MI.	MAP NO. 26 =	0.05 MI.
MAP NO. 21 =	0.08 MI.	MAP NO. 29 =	0.17 MI.
MAP NO. 22 =	0.43 MI.		
MAP NO. 23 =	0.52 MI.	SUB-TOTAL =	2.44 MI.
MAP NO. 24 =	0.18 MI.		

Prepared in the Office of:
DIVISION OF HIGHWAYS
5501 Barbados Blvd., Castle Hayne, NC 28429

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:
JANUARY 2013

HYDRAULICS ENGINEER

SIGNATURE: P.E.

ROADWAY DESIGN TECHNICIAN
CMS
SIGNATURE:
MPK
SIGNATURE:

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

09/08/99

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mkimmel AT DJCAD25TE06

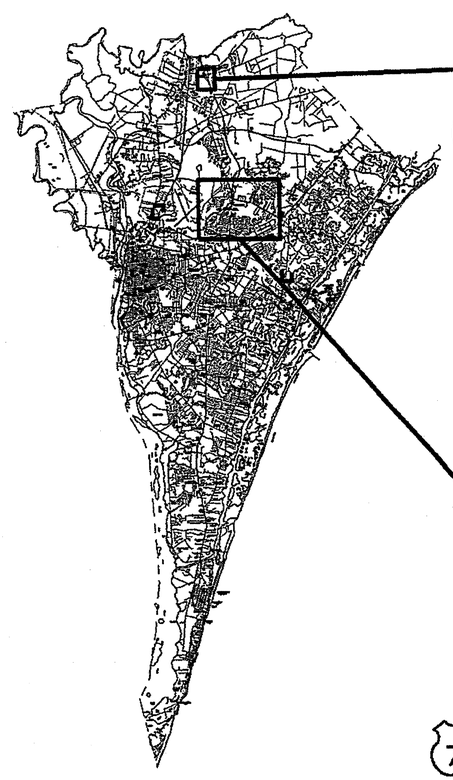
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	3CR.10101.138, ETC.	10	

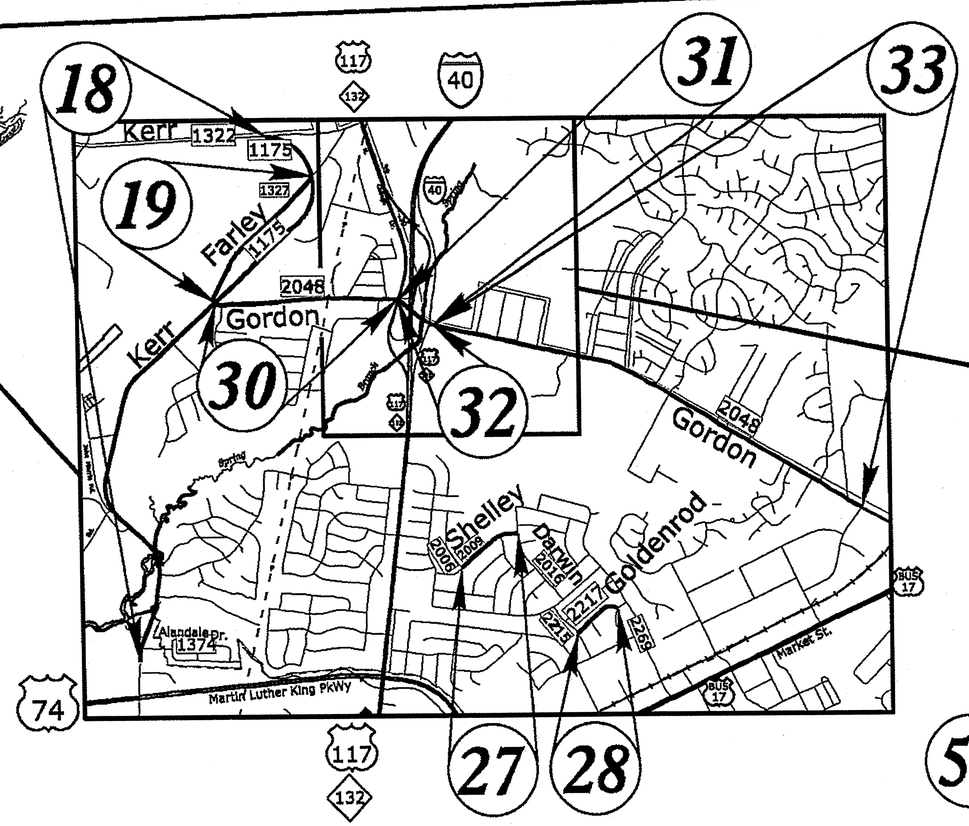
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

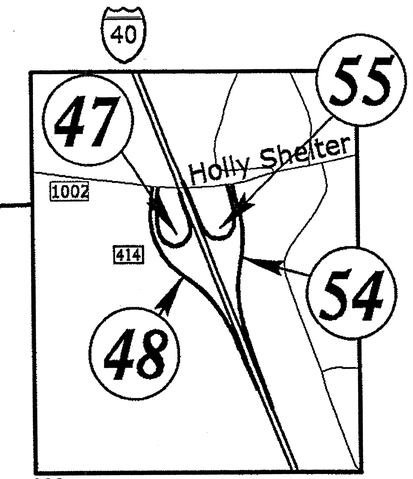
NEW HANOVER COUNTY

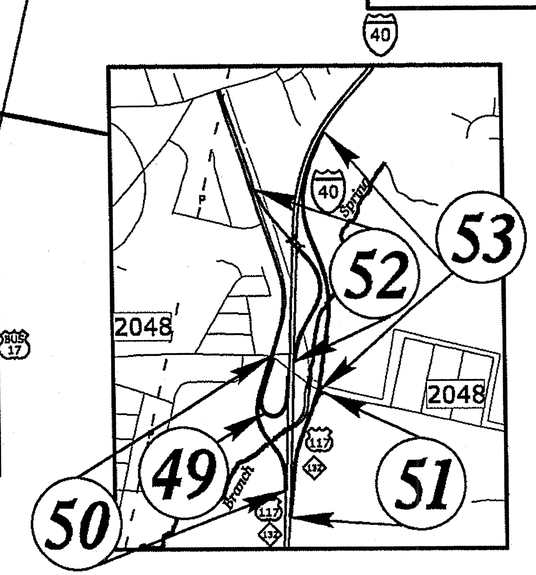
LOCATION: 9 SECTIONS OF I-40, 8 SECTIONS OF SECONDARY ROADS

TYPE OF WORK: MILLING, WIDENING, RESURFACING, MISC. CONCRETE WORK, INDUCTIVE LOOP SAWCUT, PAVEMENT MARKING AND MARKERS, ETC.









NOT TO SCALE

PROJECT LENGTH

PRIMARY		SECONDARY			
MAP NO. 47 =	0.19 MI.	MAP NO. 18 =	2.74 MI.	MAP NO. 18 =	2.74 MI.
MAP NO. 48 =	0.36 MI.	MAP NO. 19 =	0.26 MI.	MAP NO. 19 =	0.26 MI.
MAP NO. 49 =	0.23 MI.	MAP NO. 27 =	0.29 MI.	MAP NO. 27 =	0.29 MI.
MAP NO. 50 =	0.33 MI.	MAP NO. 28 =	0.14 MI.	MAP NO. 28 =	0.14 MI.
MAP NO. 51 =	0.23 MI.	MAP NO. 30 =	0.69 MI.	MAP NO. 30 =	0.69 MI.
MAP NO. 52 =	0.47 MI.			(EBL) MAP NO. 32 =	0.21 MI.
MAP NO. 53 =	0.60 MI.			(WBL) MAP NO. 31 =	0.20 MI.
MAP NO. 54 =	0.31 MI.			MAP NO. 33 =	2.01 MI.
MAP NO. 55 =	0.17 MI.				
				SUB-TOTAL =	6.34 MI.
SUB-TOTAL =	2.89 MI.			SHEET TOTAL =	9.23 MI.

Prepared in the Office of:
DIVISION OF HIGHWAYS
5501 Barbados Blvd., Castle Hayne, NC 28429

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:
JANUARY 2013

HYDRAULICS ENGINEER

SIGNATURE: P.E.

ROADWAY DESIGN TECHNICIAN
CMS
SIGNATURE:
MPK
SIGNATURE:

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

WBS NO: 3CR.10101.138, ETC.

CONTRACT:

09/08/99

27-NOV-2012 08:11
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cschoonmaker AT D3CA0257158

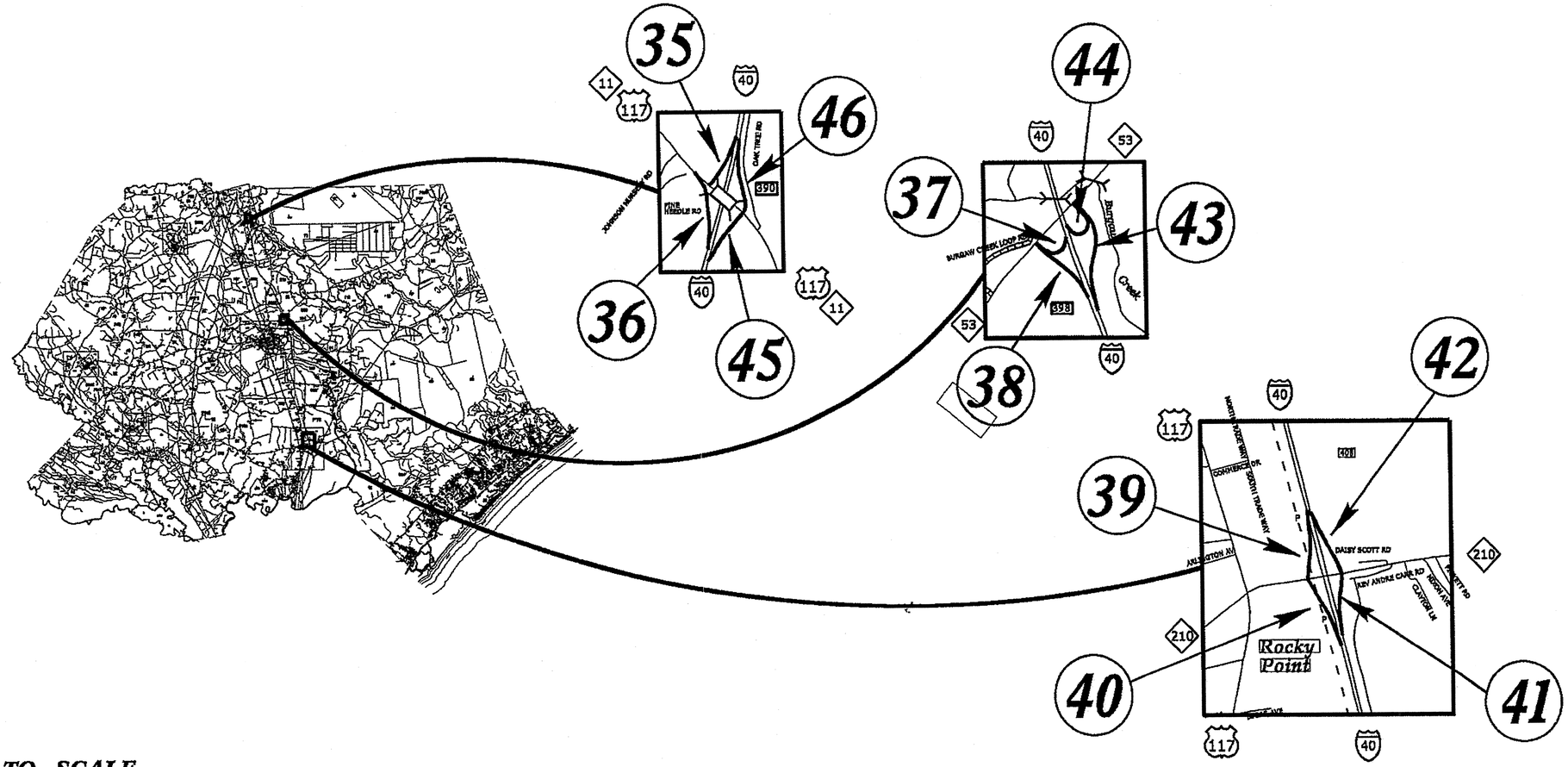
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	3CR.10101.138, ETC.	11	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PENDER COUNTY

LOCATION: 12 SECTIONS OF I-40 RAMPS /LOOPS.

TYPE OF WORK: RESURFACING, PAVEMENT MARKING AND MARKERS, ETC.



NOT TO SCALE

PROJECT LENGTH

MAP NO. 35 =	0.16 MI.	MAP NO. 41 =	0.20 MI.
MAP NO. 36 =	0.21 MI.	MAP NO. 42 =	0.21 MI.
MAP NO. 37 =	0.15 MI.	MAP NO. 43 =	0.39 MI.
MAP NO. 38 =	0.26 MI.	MAP NO. 44 =	0.20 MI.
MAP NO. 39 =	0.19 MI.	MAP NO. 45 =	0.19 MI.
MAP NO. 40 =	0.21 MI.	MAP NO. 46 =	0.22 MI.

WBS NO. 46280.3.3 TOTAL = 2.59 MI.

Prepared In the Office of:
DIVISION OF HIGHWAYS
5501 Barbados Blvd., Castle Hayne, NC 28429

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:

HYDRAULICS ENGINEER

SIGNATURE: P.E.

ROADWAY DESIGN TECHNICIAN

SIGNATURE: DNL

SIGNATURE: MPK

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

WBS NO: 3CR.10101.138, ETC.

CONTRACT:

09/08/99

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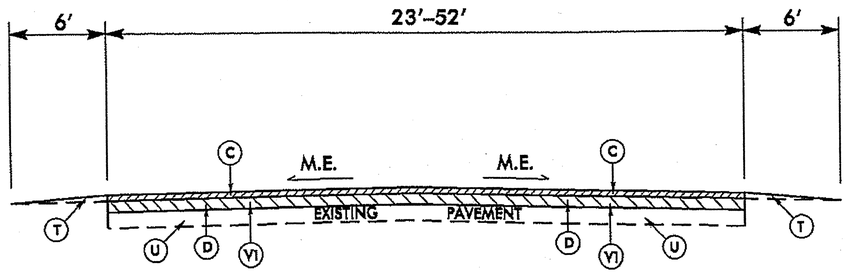
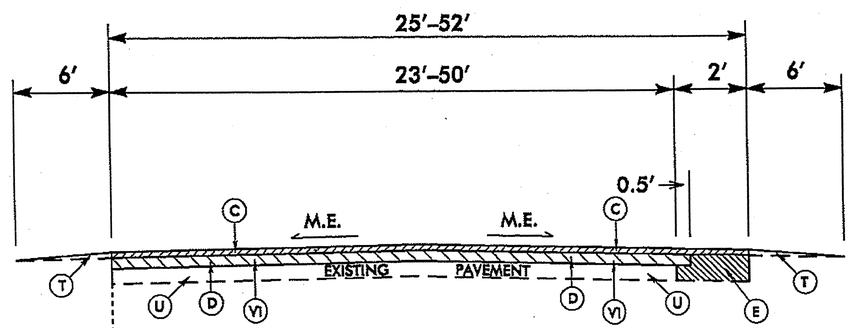
mkimmel AT D3CAD257156

PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	12

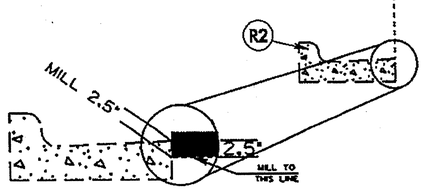


TYPICAL SECTION NO. 1

MAP NO. 1
NC 133
MP 19.47 – MP 19.56, MP 19.91 – MP 19.94,
MP 20.07 – MP 21.06, MP 22.79 – MP 22.80,
MP 22.81 – MP 22.82, MP 24.27 – MP 24.32,
MP 24.78 – MP 24.80, MP 26.25 – MP 26.31,
MP 26.36 – MP 26.42, MP 26.44 – MP 26.52,
MP 26.58 – MP 26.67



SEQUENCE OF WORK:
1. PLACE WIDENING FLUSH
2. MILL AS SHOWN
3. PLACE INTERMEDIATE COURSE
4. RESURFACE ENTIRE ROADWAY



MAP NO. 1
NC 133
MP 24.10 – MP 24.12,
MP 24.12 – MP 24.17

TYPICAL SECTION NO. 2

MAP NO. 1
NC 133
MP 19.56 – MP 19.59, MP 21.49 – MP 21.87,
MP 23.54 – MP 23.66, MP 24.09 – MP 24.19,
MP 24.25 – MP 24.27, MP 24.66 – MP 24.78,
MP 24.89 – MP 25.05, MP 25.09 – MP 25.14,
MP 25.17 – MP 25.22, MP 25.94 – MP 26.20,
MP 26.23 – MP 26.25

PAVEMENT SCHEDULE

C	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
C1	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
C2	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C3	PROP. APPROX. 1" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ.YD.
C4	PROP. APPROX. 2" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ.YD. IN EACH OF TWO LAYERS.
D	PROP. APPROX. 2½" DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE,TYPE I19.0B, AT AN AVERAGE RATE OF 255 LBS.PER SQ.YD.
D1	PROP. APPROX. 4" DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE,TYPE I19.0C, AT AN AVERAGE RATE OF 458 LBS.PER SQ.YD.
D2	PROP. APPROX. 2 1/2" DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE,TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS.PER SQ.YD.
D3	PROP. APPROX. 3 1/2" DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE,TYPE I19.0C, AT AN AVERAGE RATE OF 399 LBS.PER SQ.YD.
E	PROP. APPROX. 5½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ.YD.
E1	PROP. APPROX. 5½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ.YD.
E2	PROP. APPROX. 3" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ.YD.
E4	PROP. APPROX. 4" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ.YD.
R	EXISTING CONCRETE MONOLITHIC ISLAND
R1	EXISTING CONCRETE MEDIAN CURB & GUTTER
R2	EXISTING CONCRETE 2'-6" CURB & GUTTER
R3	PROPOSED CONCRETE 2'-6" CURB & GUTTER
R4	EXISTING CURB
R5	PROPOSED CONCRETE MONOLITHIC ISLAND
T	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT.
V	MILLING BITUMINOUS PAVEMENT. 1 1/2 " DEPTH.
V1	MILLING BITUMINOUS PAVEMENT. 2 1/2" DEPTH.
V2	MILLING BITUMINOUS PAVEMENT. 2" DEPTH.
V3	MILLING BITUMINOUS PAVEMENT. 4" DEPTH.
V4	MILLING BITUMINOUS PAVEMENT. 1/2" DEPTH.

8/17/99

REVISIONS

27-NOV-2012 10:03
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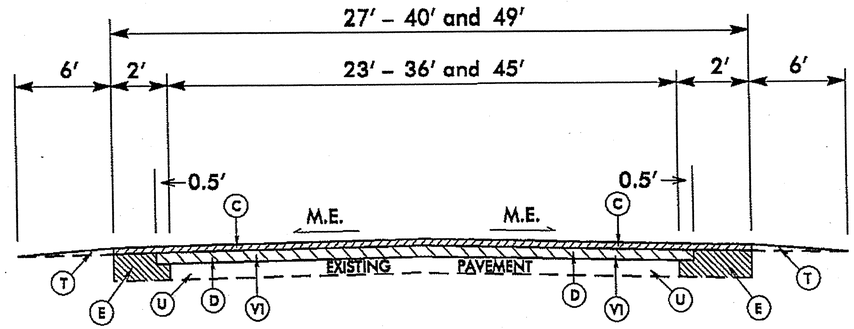
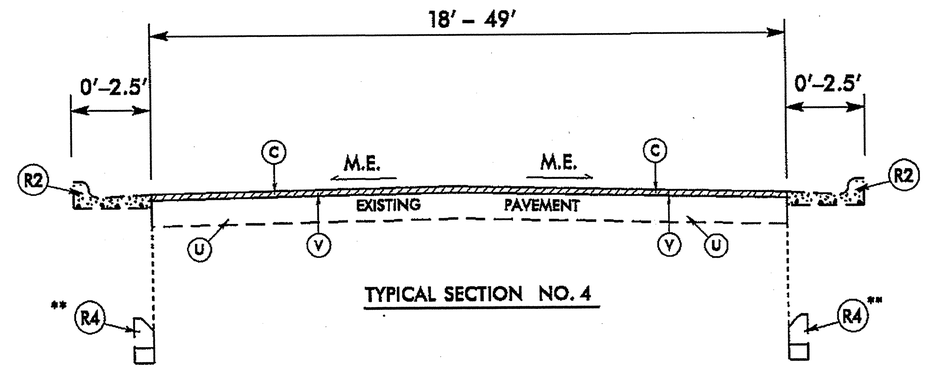
SEQUENCE OF WORK:
1. PLACE WIDENING FLUSH
2. MILL AS SHOWN
3. PLACE INTERMEDIATE COURSE
4. RESURFACE ENTIRE ROADWAY



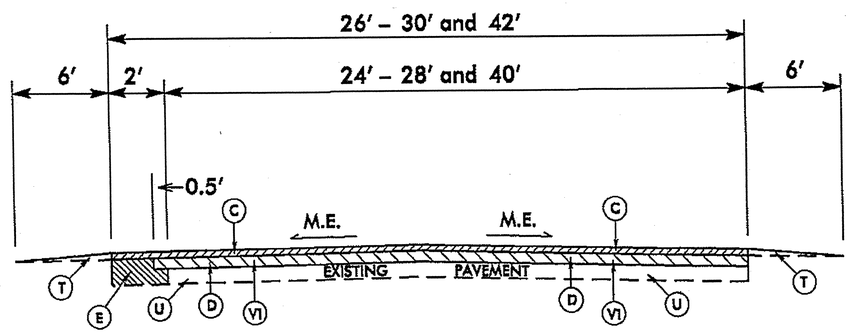
TYPICAL SECTION NO. 3

MAP NO. 1
NC 133
MP 19.59 – MP 19.91, MP 21.13 – MP 21.49,
MP 21.87 – MP 22.08, MP 22.24 – MP 22.46,
MP 22.82 – MP 23.20, MP 23.32 – MP 23.42,
MP 23.42 – MP 23.54, MP 23.66–24.09,
MP 24.19 – MP 24.25, MP 24.51 – MP 24.66,
MP 24.82 – MP 24.89, MP 25.05 – MP 25.09,
MP 25.14 – MP 25.17, MP 25.22 – MP 25.74,
MP 25.94 – MP 25.94, MP 26.20 – MP 26.23



TYPICAL SECTION NO. 4

SEQUENCE OF WORK:
1. PLACE WIDENING FLUSH
2. MILL AS SHOWN
3. PLACE INTERMEDIATE COURSE
4. RESURFACE ENTIRE ROADWAY



TYPICAL SECTION NO. 5

MAP NO. 1
NC 133
MP 21.06 – MP 21.13, MP 22.08 – MP 22.24,
MP 22.46 – MP 22.79, MP 23.20 – MP 23.32,
MP 24.32 – MP 24.51, MP 25.74 – MP 25.94,
MP 26.31 – MP 26.36, MP 26.42 – MP 26.44,
MP 26.52 – MP 26.58

MAP NO. 2
US 117 /NC 132 SBL
MP 5.84 – MP 6.15

MAP NO. 3
US 117 /NC 132 NBL
MP 9.42 – MP 9.73

MAP NO. 18
SR 1175 (KERR AVENUE)
MP 3.29 – MP 3.38,
MP 3.40 – MP 3.57,
MP 3.59 – MP 3.72
NO WORK FOR MP 3.38–MP 3.40 (BRIDGE)
NO WORK FOR MP 3.57–MP 3.59 (BRIDGE)

MAP NO. 7
US 74 EBL
MP 8.96 – MP 9.55

PAVEMENT SCHEDULE	
C	1½" S9.5B
D	2½" I19.0B
E	5½" B25.0B
R2	EX. 2′-6" C & G
R4	EXISTING CURB
T	EARTH MATERIAL (SH. RECONSTR.)
U	EXISTING PAVEMENT
V	MILLING 1½" DEPTH
V1	MILLING 2½" DEPTH

REVISIONS

8/17/99

21-NOV-2012 08:25
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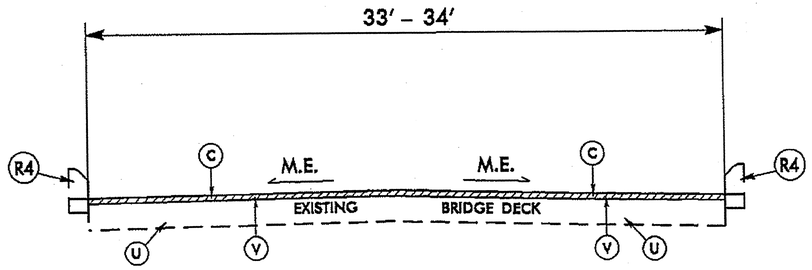
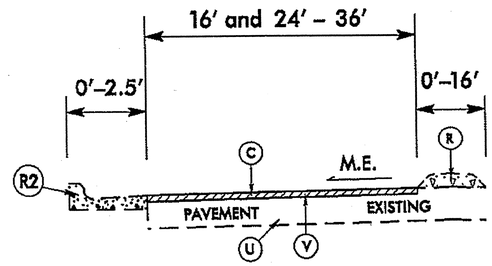
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	14



TYPICAL SECTION NO. 6

MAP NO. 1
NC 133
MP 19.94 – MP 20.07
MP 22.80 – MP 22.81
MP 24.80 – MP 24.82

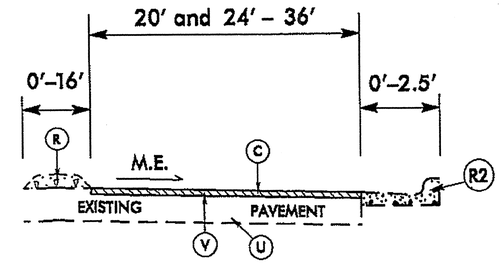


TYPICAL SECTION NO. 7

MAP NO. 2
US 117 /NC 132 SBL
MP 6.15 – MP 6.36

MAP NO. 3
US 117 /NC 132 NBL
MP 9.21 – MP 9.42

MAP NO. 32
SR 2048 EBL (GORDON ROAD)
MP 0.69 – MP 0.845
MP 0.845 – MP 0.89

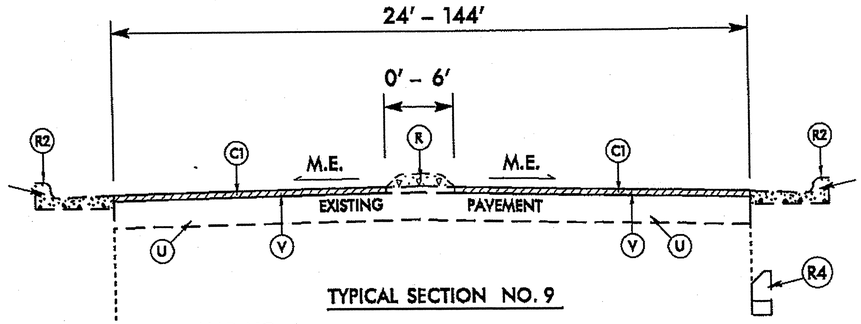


TYPICAL SECTION NO. 8

MAP NO. 2
US 117 /NC 132 SBL
MP 6.36 – MP 6.46

MAP NO. 3
US 117 /NC 132 NBL
MP 9.10 – MP 9.21

MAP NO. 31
SR 2048 WBL (GORDON ROAD)
MP 0.89 – MP 0.84
MP 0.84 – MP 0.69



TYPICAL SECTION NO. 9

MAP NO. 4
US 117 /NC 132
MP 3.56 – MP 3.96

MAP NO. 7
US 74 EBL
MP 8.69 – MP 8.96

MAP NO. 8
US 74 WBL
MP 3.56 – MP 4.15
MP 4.15 – MP 4.37

MAP NO. 9
US 74 /US 76
MP 9.55 – MP 10.84

MAP NO. 10
US 74 EBL
MP 10.12 – MP 10.46

MAP NO. 11
US 74 WBL
MP 2.66 – MP 2.99

MAP NO. 12
US 76
MP 7.82 – MP 8.22
MP 8.22 – MP 8.47

MAP NO. 29
SR 1409 (MILITARY CUTOFF ROAD)
MP 0.00 – MP 0.17

MAP NO. 4
US 117 /NC 132
MP 3.56 – MP 3.66

PAVEMENT SCHEDULE	
C	1½" S9.5B
C1	1½" S9.5C
R	EX. CONC. MONOLITHIC ISLAND
R2	EX. 2′-6″ C & G
R4	EXISTING CURB
U	EXISTING PAVEMENT
V	MILLING 1½" DEPTH

REVISIONS

8/17/99

21-NOV-2012 08:25
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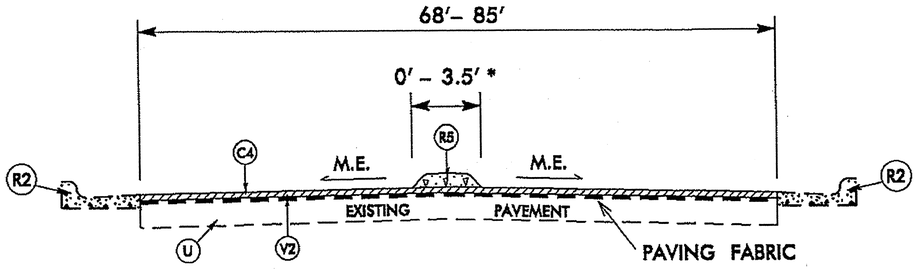
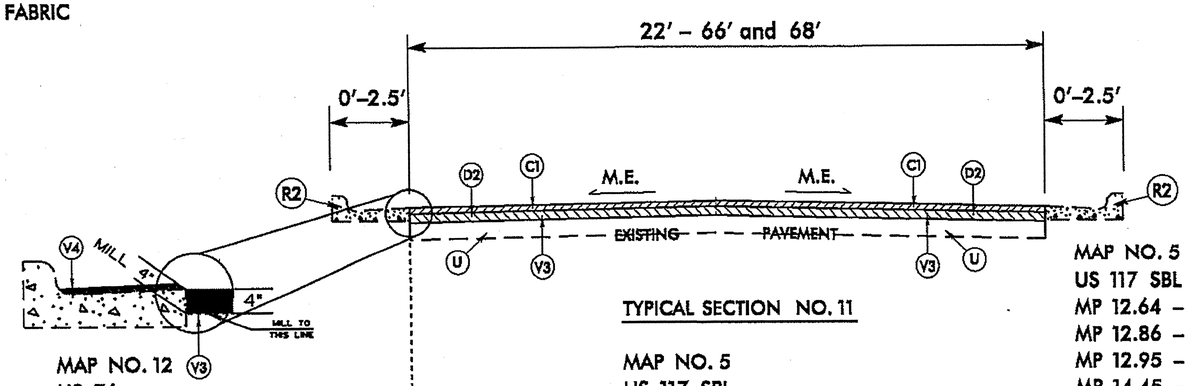
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	15



TYPICAL SECTION NO. 10

MAP NO. 4
US 117/NC 132
MP 3.96 – MP 4.73
* REMOVE & REPLACE
CONC. ISLAND
MP 4.16 – MP 4.21

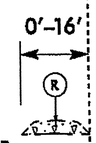


MAP NO. 12
US 76
MP 7.36 – MP 7.45
(1/2" ASPHALT IN
GUTTER TO BE REMOVED)

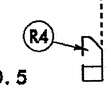
TYPICAL SECTION NO. 11

MAP NO. 5
US 117 SBL
MP 11.85 – MP 11.91
MP 12.06 – MP 12.15
MP 12.23 – MP 12.33
MP 12.61 – MP 12.66
MP 12.86 – MP 12.92
MP 12.95 – MP 13.02
MP 13.08 – MP 13.20
MP 13.76 – MP 13.86
MP 14.43 – MP 14.48

MAP NO. 5
US 117 SBL
MP 12.64 – MP 12.66
MP 12.86 – MP 12.92
MP 12.95 – MP 13.02
MP 14.45 – MP 14.48



MAP NO. 5
US 117 SBL
MP 13.11 – MP 13.20



MAP NO. 5
US 117 SBL
MP 11.85 – MP 11.91

MAP NO. 12
US 76
MP 7.31– MP 7.66

PAVEMENT SCHEDULE	
C1	1½" S9.5C
C4	2" S9.5C
D2	2 1/2" I19.0C
R	EX. CONC. MONOLITHIC ISLAND
R2	EX. 2'-6" C & G
R4	EXISTING CURB
R5	PROP. CONC. MONOLITHIC ISLAND
U	EXISTING PAVEMENT
V2	MILLING 2" DEPTH
V3	MILLING 4" DEPTH
V4	MILLING 1/2" DEPTH

REVISIONS

8/17/99

21-NOV-2012 08:25
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PROJECT REFERENCE NO.	SHEET NO.
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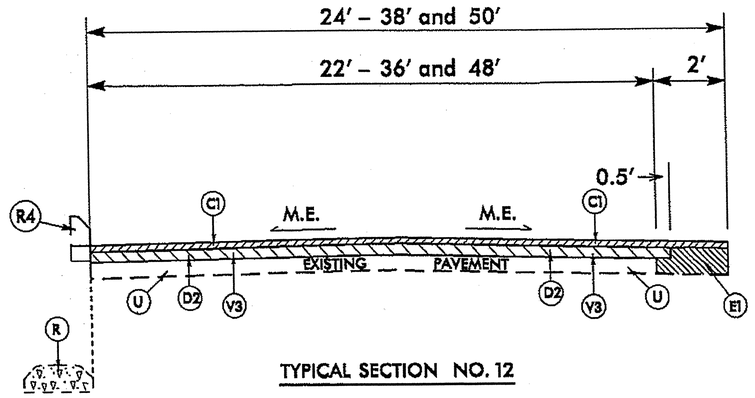


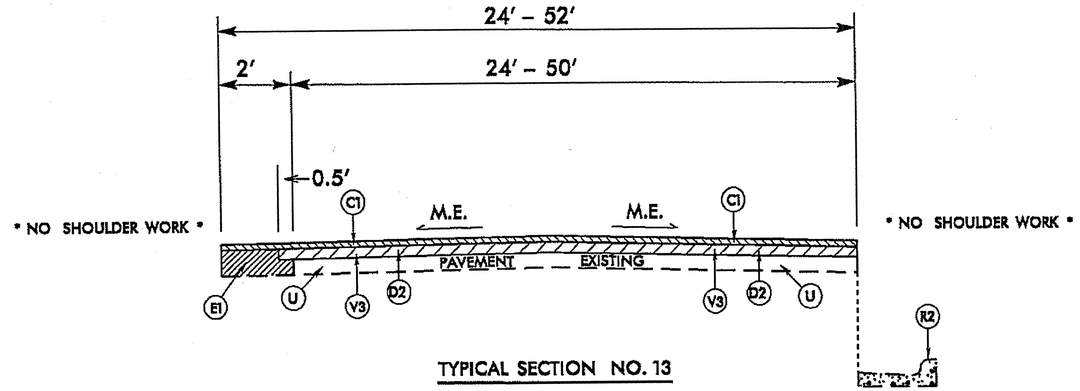
SEQUENCE OF WORK:
1. PLACE WIDENING FLUSH
2. MILL AS SHOWN
3. PLACE INTERMEDIATE COURSE
4. RESURFACE ENTIRE ROADWAY

* NO SHOULDER WORK *

MAP NO. 5
US 117 SBL
MP 13.20 – MP 13.34
MP 13.86 – MP 14.00

TYPICAL SECTION NO. 12

MAP NO. 5
US 117 SBL
MP 12.44 – MP 12.48
MP 13.20 – MP 13.34
MP 13.52 – MP 13.57
MP 13.86 – MP 14.00
MP 14.10 – MP 14.15
MP 14.31 – MP 14.38



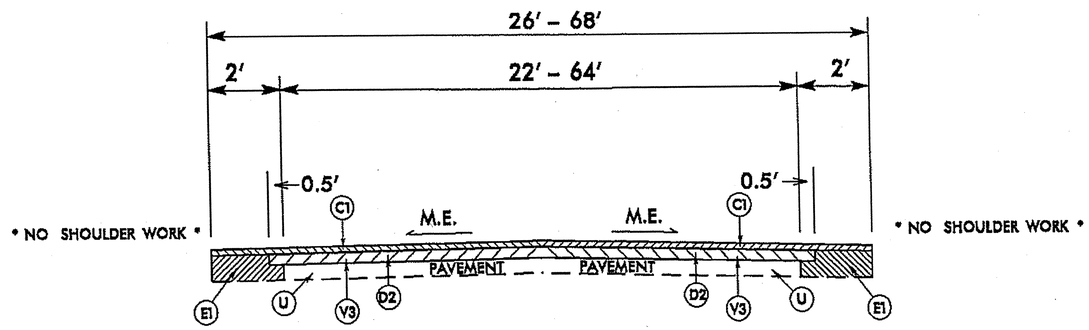
* NO SHOULDER WORK *

* NO SHOULDER WORK *

TYPICAL SECTION NO. 13

MAP NO. 5
US 117 SBL
MP 12.15 – MP 12.23
MP 12.33 – MP 12.37
MP 12.66 – MP 12.86
MP 12.92 – MP 12.95
MP 13.02 – MP 13.08
MP 13.63 – MP 13.76

MAP NO. 5
US 117 SBL
MP 12.33 – MP 12.36
MP 12.66 – MP 12.86
MP 12.92 – MP 12.95
MP 13.02 – MP 13.08



* NO SHOULDER WORK *

* NO SHOULDER WORK *

TYPICAL SECTION NO. 14

MAP NO. 5
US 117 SBL
MP 11.92 – MP 12.05
MP 12.37 – MP 12.44
MP 12.48 – MP 12.61
MP 13.34 – MP 13.52
MP 13.57 – MP 13.63
MP 14.00 – MP 14.10
MP 14.15 – MP 14.31
MP 14.38 – MP 14.43

PAVEMENT SCHEDULE	
C1	1½" S9.5C
D2	2 1/2" I19.0C
E1	5½" B25.0C
R	EX. CONC. MONOLITHIC ISLAND
R2	EX. 2'-6" C & G
R4	EXISTING CURB
U	EXISTING PAVEMENT
V3	MILLING 4" DEPTH

8/17/99

REVISIONS

21-NOV-2012 08:26
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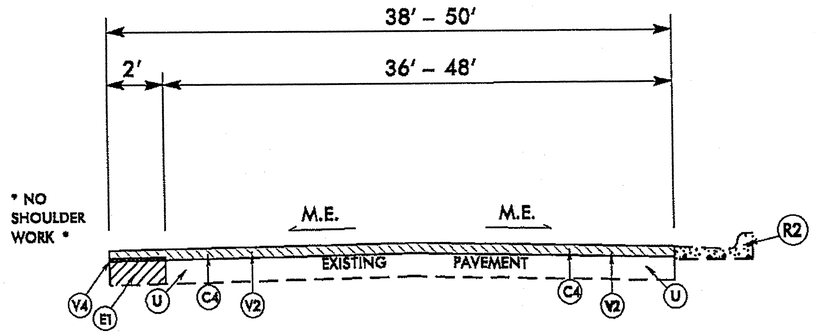
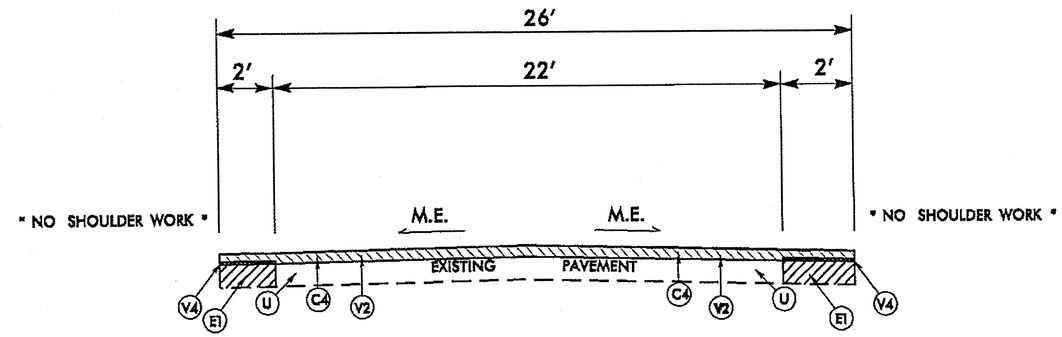


TYPICAL SECTION NO. 15

MAP NO. 6
US 117 NBL
MP 0.87 – MP 0.98
MP 1.02 – MP 1.10
MP 1.14 – MP 1.31
MP 1.37 – MP 1.47
MP 1.98 – MP 2.14
MP 2.50 – MP 2.81
MP 2.86 – MP 2.99
MP 3.03 – MP 3.04
MP 3.19 – MP 3.28
MP 3.37 – MP 3.56

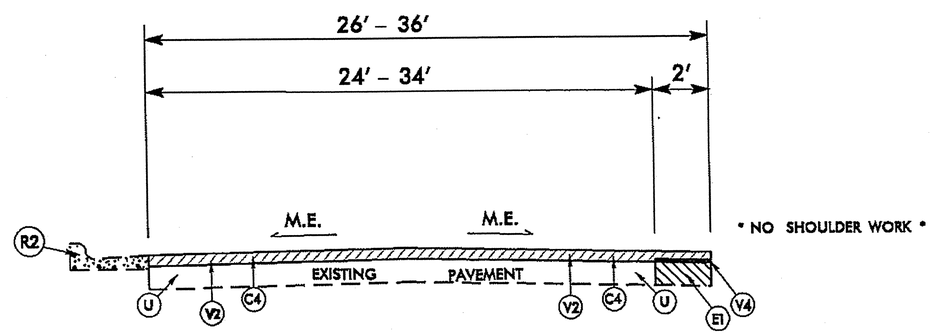
SEQUENCE OF WORK:
1. PLACE WIDENING 1½" BELOW EXISTING ELEVATION.
2. MILL AS SHOWN, INCLUDING 1/2" MILLING OF WIDENED AREA.
3. RESURFACE ENTIRE ROADWAY



TYPICAL SECTION NO. 16

MAP NO. 6
US 117 NBL
MP 1.67 – MP 1.91
MP 1.95 – MP 1.98

SEQUENCE OF WORK:
1. PLACE WIDENING 1½" BELOW EXISTING ELEVATION.
2. MILL AS SHOWN, INCLUDING 1/2" MILLING OF WIDENED AREA.
3. RESURFACE ENTIRE ROADWAY



TYPICAL SECTION NO. 17

MAP NO. 6
US 117 NBL
MP 1.91 – MP 1.95

SEQUENCE OF WORK:
1. PLACE WIDENING 1½" BELOW EXISTING ELEVATION.
2. MILL AS SHOWN, INCLUDING 1/2" MILLING OF WIDENED AREA.
3. RESURFACE ENTIRE ROADWAY

PAVEMENT SCHEDULE	
C4	2" S9.5C
E1	5½" B25.0C
R2	EX. 2'-6" C & G
U	EXISTING PAVEMENT
V2	MILLING 2" DEPTH
V4	MILLING 1/2" DEPTH

8/17/99

REVISIONS

21-NOV-2012 08:26
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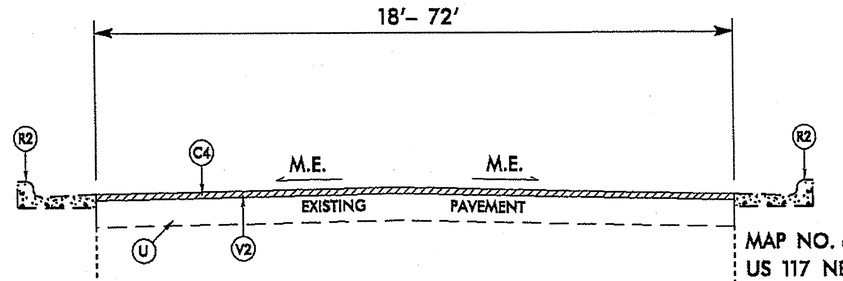
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	18



TYPICAL SECTION NO. 18

MAP NO. 6
US 117 NBL
MP 3.58 – MP 3.59

MAP NO. 6
US 117 NBL
MP 1.65 – MP 1.67

MAP NO. 12
US 76
MP 5.70 – MP 7.31

MAP NO. 6
US 117 NBL
MP 0.98 – MP 1.02
MP 1.10 – MP 1.14
MP 1.31 – MP 1.37
MP 1.47 – MP 1.67
MP 2.14 – MP 2.50
MP 2.81 – MP 2.86
MP 2.99 – MP 3.03
MP 3.04 – MP 3.19
MP 3.28 – MP 3.37
MP 3.58 – MP 3.59

MAP NO. 6
US 117 NBL
MP 1.52 – MP 1.65
MP 2.16 – MP 2.38

MAP NO. 35
I–40 EBL EXIT RAMP TO US 117

MAP NO. 36
I–40 EBL ENTRANCE RAMP FROM US 117

MAP NO. 37
I–40 EBL EXIT LOOP TO NC 53

MAP NO. 38
I–40 EBL ENTRANCE RAMP FROM NC 53

MAP NO. 39
I–40 EBL EXIT RAMP TO NC 210

MAP NO. 40
I–40 EBL ENTRANCE RAMP FROM NC 210

MAP NO. 41
I–40 WBL EXIT RAMP TO NC 210

MAP NO. 42
I–40 WBL ENTRANCE RAMP FROM NC 210

MAP NO. 43
I–40 WBL EXIT RAMP TO NC 53

MAP NO. 44
I–40 WBL ENTRANCE LOOP FROM NC 53

MAP NO. 45
I–40 WBL EXIT RAMP TO US 117

MAP NO. 46
I–40 WBL ENTRANCE RAMP FROM US 117

MAP NO. 47
I–40 EBL EXIT LOOP TO SR 1002

MAP NO. 48
I–40 EBL ENTRANCE RAMP FROM SR 1002

MAP NO. 49
I–40 EBL EXIT LOOP TO SR 2048

MAP NO. 50
I–40 EBL ENTRANCE RAMP FROM US 117/NC 132
MP 0.12 – MP 0.33

MAP NO. 51
I–40 WBL EXIT RAMP TO SR 2048

MAP NO. 52
I–40 WBL EXIT RAMP TO US 117/NC 132
NO WORK ON BRIDGE ON THIS MAP

MAP NO. 53
I–40 WBL ENTRANCE RAMP FROM SR 2048

MAP NO. 54
I–40 WBL EXIT RAMP TO SR 1002

MAP NO. 55
I–40 WBL ENTRANCE LOOP FROM SR 1002

MAP NO. 12
US 76
MP 5.70 – MP 7.31

MAP NO. 50
I–40 EBL ENTRANCE RAMP FROM US 117/NC 132
MP 0.00– MP 0.03

MAP NO. 50
I–40 EBL ENTRANCE RAMP FROM US 117/NC 132
MP 0.03 – MP 0.12

PAVEMENT SCHEDULE	
C4	2" S9.5C
R	EX. CONC. MONOLITHIC ISLAND
R2	EX. 2'-6" C & G
R4	EXISTING CURB
U	EXISTING PAVEMENT
V2	MILLING 2" DEPTH

REVISIONS

8/17/99

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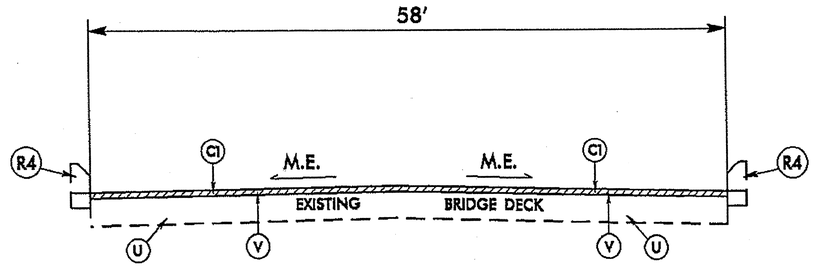
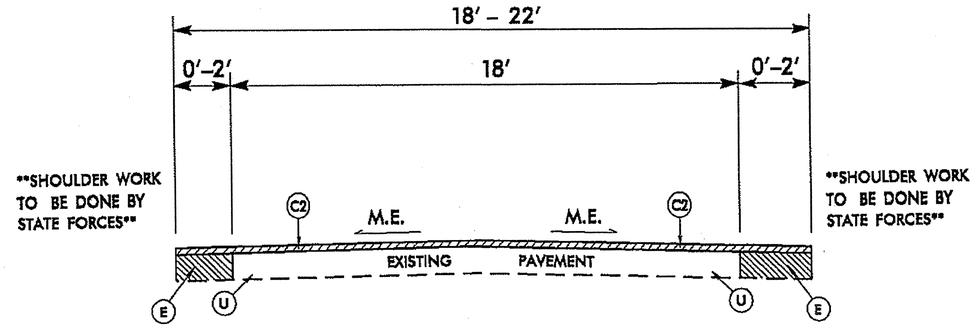


TYPICAL SECTION NO. 19

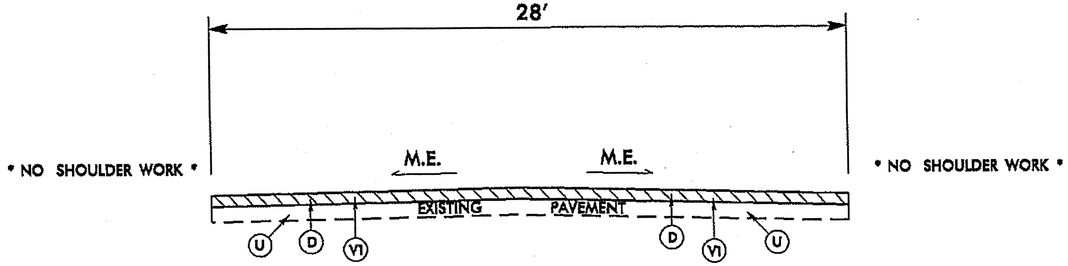
MAP NO. 12
US 76 (ON BRADLEY CREEK BRIDGE)
MP 7.66 – MP 7.82



TYPICAL SECTION NO. 20

MAP NO. 14
SR 1119 (STANLEY ROAD)
MP 0.00 – MP 2.80

MAP NO. 15
SR 1132 (CIVIETOWN ROAD)
MP 0.00 – MP 2.30



TYPICAL SECTION NO. 21

MAP NO. 16
SR 1184 (OCEAN ISLE BEACH ROAD)
MP 0.67 – MP 0.94
MP 1.30 – MP 1.61

NO WORK FOR MP 1.61–MP 1.99–WORK BEING DONE UNDER ANOTHER PROJECT T.I.P. R-3432

PAVEMENT SCHEDULE	
C1	1½" S9.5C
C2	1½" SF9.5A
D	2½" I19.0B
E	5½" B25.0B
R4	EXISTING CURB
U	EXISTING PAVEMENT
V	MILLING 1½" DEPTH
V1	MILLING 2½" DEPTH

REVISIONS

8/17/99

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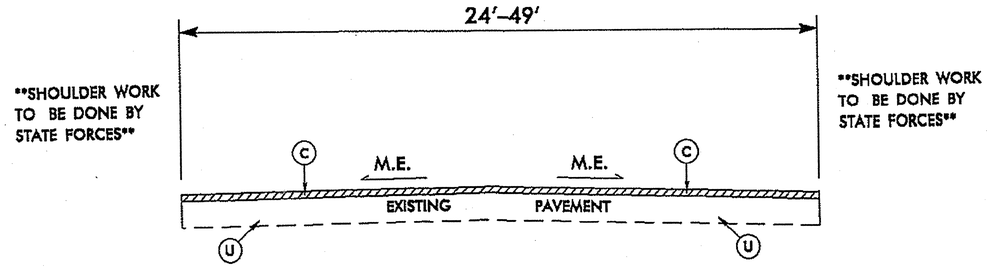
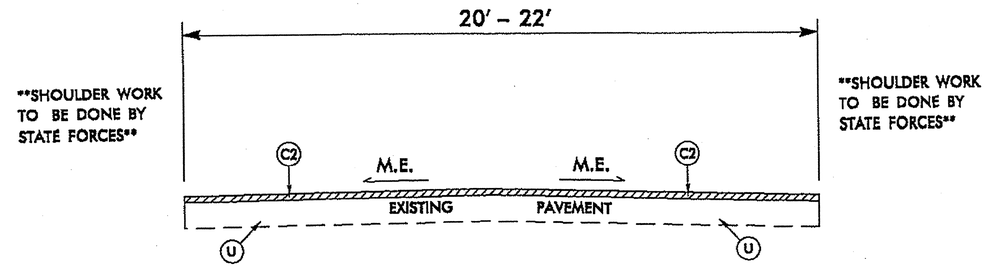


TYPICAL SECTION NO. 22

MAP NO. 17
SR 1302 (23rd STREET)
MP 2.04 – MP 2.56

MAP NO. 18
SR 1175 (KERR AVENUE)
MP 3.15 – MP 3.29,
MP 3.72 – MP 5.89

MAP NO. 30
SR 2048 (GORDON ROAD)
MP 0.00 – MP 0.69
(LEVELING COURSE S4.75A TO BE USED AS NEEDED IN VARIOUS DEPTHS RANGING FROM 1/4" TO 2".)



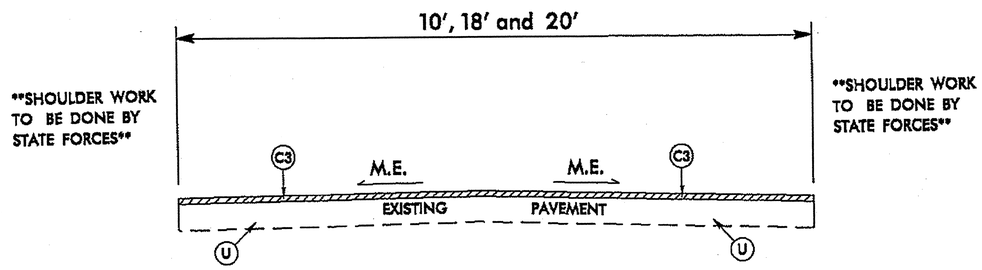
TYPICAL SECTION NO. 23

MAP NO. 19
SR 1327 (FARLEY DRIVE)
MP 0.00 – MP 0.26

MAP NO. 20
SR 1518 (WHIPPORWILL LANE)
MP 0.00 – MP 0.40

MAP NO. 27
SR 2009 (SHELLEY DRIVE)
MP 0.12 – MP 0.41

MAP NO. 28
SR 2217 (GOLDEN ROD DRIVE)
MP 0.08 – MP 0.22



TYPICAL SECTION NO. 24

MAP NO. 21
SR 1620 (CHANNEL HAVEN DRIVE)
MP 0.00 – MP 0.05

MAP NO. 22
SR 1621 (CHANNEL HAVEN DRIVE)
MP 0.00 – MP 0.43

MAP NO. 23
SR 1622 (AQUA DRIVE)
MP 0.00 – MP 0.52

MAP NO. 24
SR 1623 (MARSH HEN DRIVE)
MP 0.00 – MP 0.18

MAP NO. 25
SR 1706 (BRIGHTON ROAD)
MP 0.20 – MP 0.32

MAP NO. 26
SR 1707 (CORNWELL COURT)
MP 0.00 – MP 0.05

PAVEMENT SCHEDULE	
C	1½" S9.5B
C2	1½" SF9.5A
C3	1" SF9.5A
U	EXISTING PAVEMENT

REVISIONS

8/17/99

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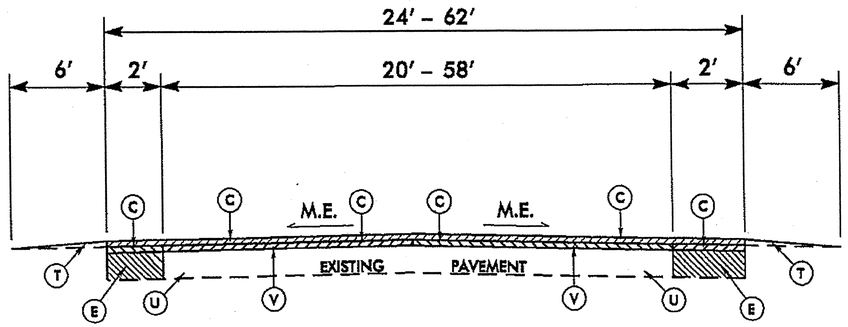
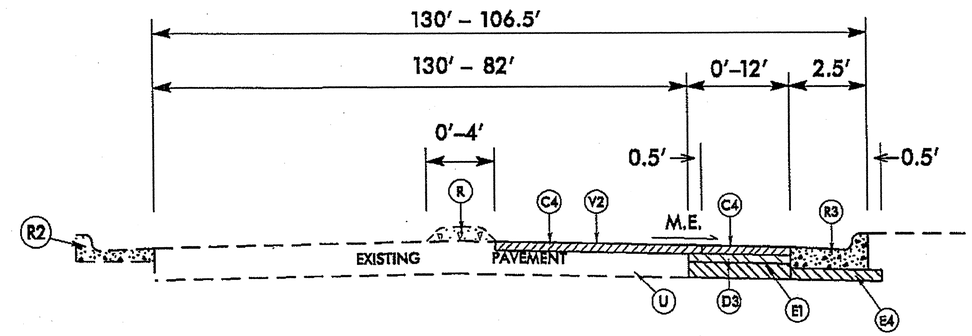
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	21



TYPICAL SECTION NO. 25

MAP NO. 33
SR 2048 (GORDON ROAD)
MP 0.89 – MP 2.90

SEQUENCE OF WORK:
1. MILL IN ONE DIRECTION OF TRAVEL
2. PLACE WIDENING FLUSH TO MILLED SURFACE
3. PLACE FIRST LAYER OF SURFACE COURSE, INCLUDING WIDENED AREA
4. REPEAT FOR OPPOSITE DIRECTON OF TRAVEL
5. RESURFACE ENTIRE ROADWAY



TYPICAL SECTION NO. 26

MAP NO. 34
US 76 (OLEANDER DRIVE)
-Y1- STA. 27+13 TO 29+59
MP 0.51 – MP 0.56

2012 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 2012 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
DIVISION 2 - EARTHWORK	
200.02	Method of Clearing - Method II
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation
DIVISION 8 - INCIDENTALS	
840.01	Brick Catch Basin - 12" thru 54" Pipe
840.02	Concrete Catch Basin - 12" thru 54" Pipe
840.03	Frame, Grates and Hood - for Use on Standard Catch Basin
840.18	Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
840.22	Frames and Wide Slot Sag Grates
840.25	Anchorage for Frames - Brick or Concrete or Precast
840.27	Brick Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
840.45	Precast Drainage Structure
840.46	Traffic Bearing Precast Drainage Structure
840.54	Manhole Frame and Cover
846.01	Concrete Curb, Gutter and Curb & Gutter
848.01	Concrete Sidewalk
852.01	Concrete Islands

GENERAL NOTES:

2012 SPECIFICATIONS
EFFECTIVE: 01-17-12
REVISED: 11/01/11

CLEARING:
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.

PAVEMENT SCHEDULE	
C	1½" S9.5B
C4	2" S9.5C
E	5½" B25.0B
E1	5½" B25.0C
E4	4" B25.0C
R	EX. CONC. MONOLITHIC ISLAND
R2	EX. 2'-6" C & G
R3	PROP. 2'-6" C & G
T	EARTH MATERIAL (SH. RECONSTR.)
U	EXISTING PAVEMENT
V	MILLING 1½" DEPTH
V2	MILLING 2" DEPTH

REVISIONS

8/17/99

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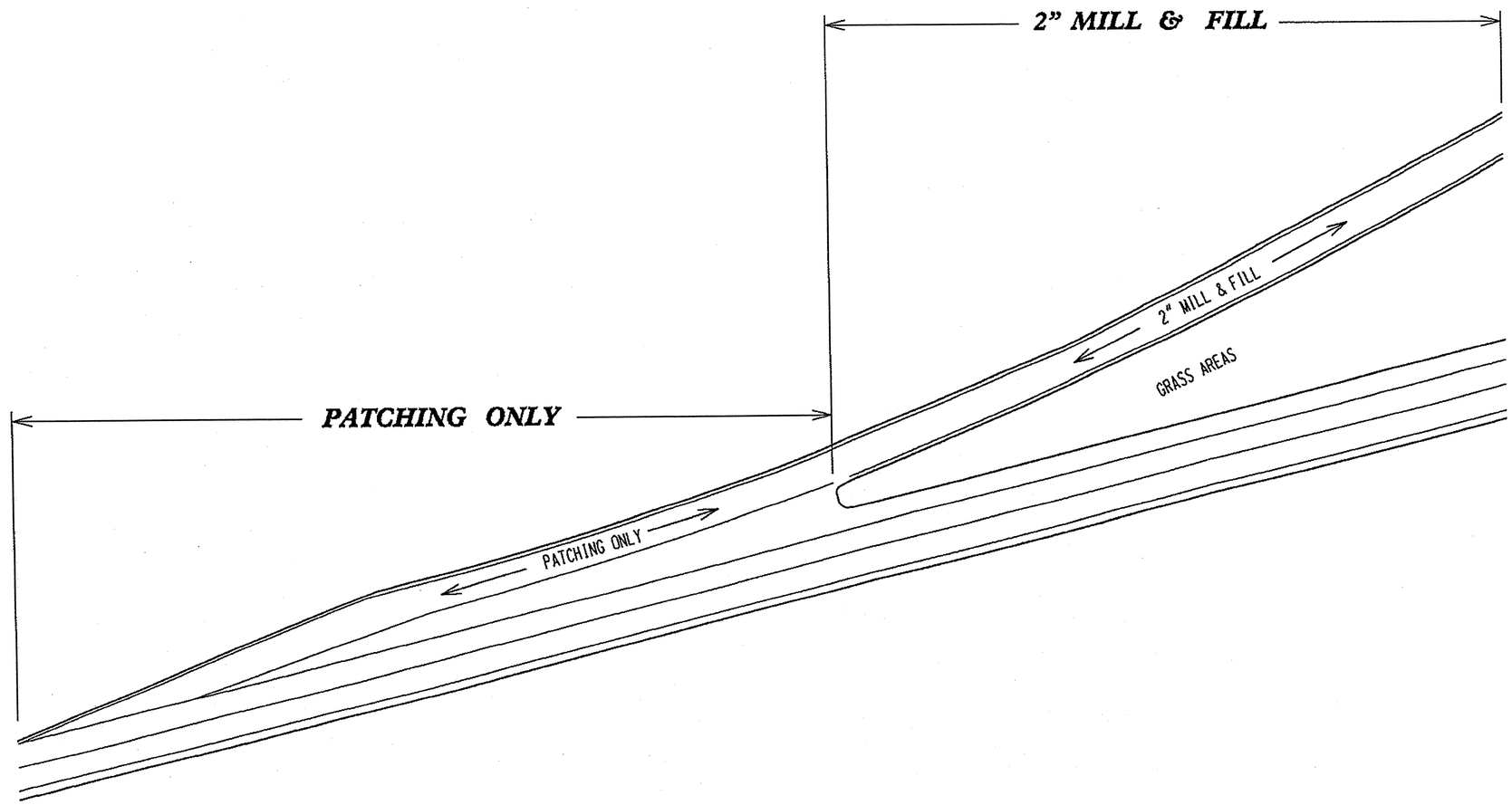
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	22



FOR ALL RAMPS AND LOOPS

NOT TO SCALE

REVISIONS

8/17/99

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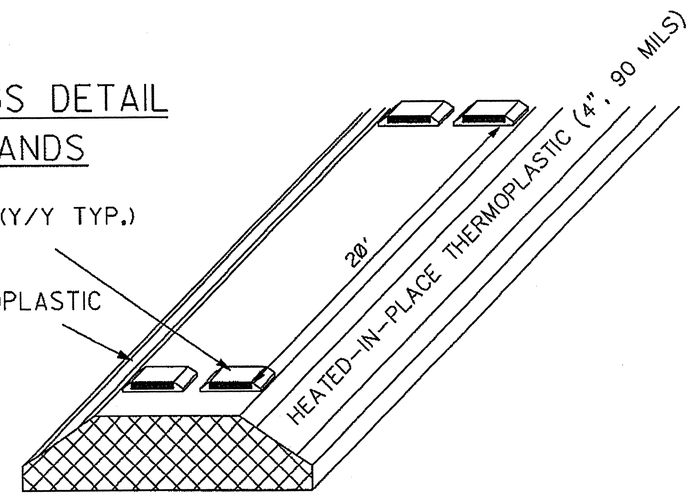
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.13B, ETC.	23

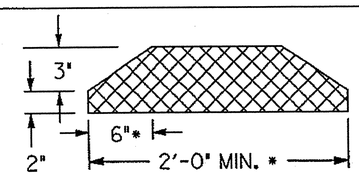
CONCRETE ISLANDS & PAVEMENT MARKING DETAILS

PAVEMENT MARKINGS DETAIL FOR CONCRETE ISLANDS



MONOLITHIC CONCRETE ISLAND

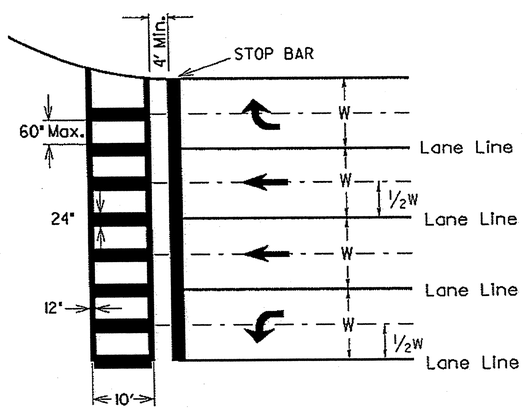
(SEE STANDARD DRAWINGS 852.01, 852.02, & 852.06 FOR DETAILS.)



*DIMENSIONS FOR ISLANDS LESS THAN 4'-0"

APPLY PORTLAND CEMENT CONCRETE SEALER (FTI LOW-VOC SEALER) TO SIDES OF MEDIAN PRIOR TO PLACEMENT OF 4" YELLOW THERMOPLASTIC (90 MILS)

SPECIAL EMPHASIS HI-VISIBILITY CROSSWALK MARKING DETAIL



NOTES: SPACING OF CROSSWALK LINES POSITIONED TO AVOID WHEELPATHS

NOT TO SCALE

REVISIONS

8/17/99

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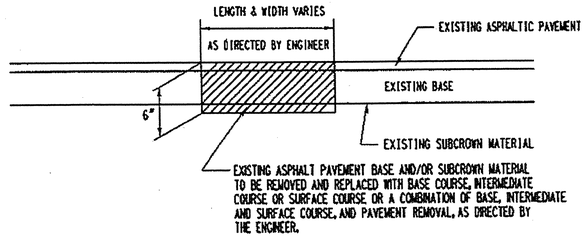
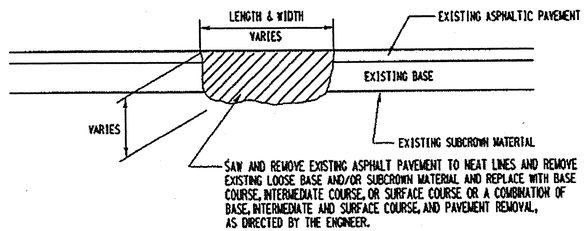
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



DETAIL NO. 1



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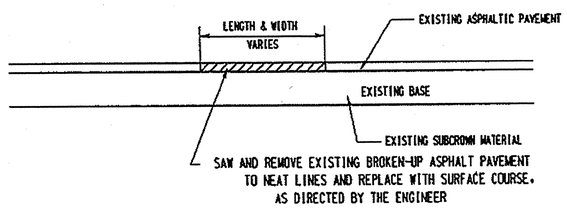

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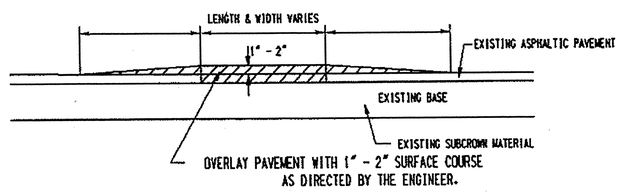
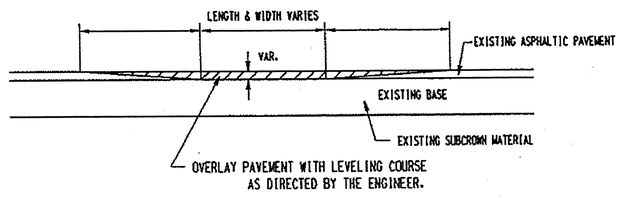
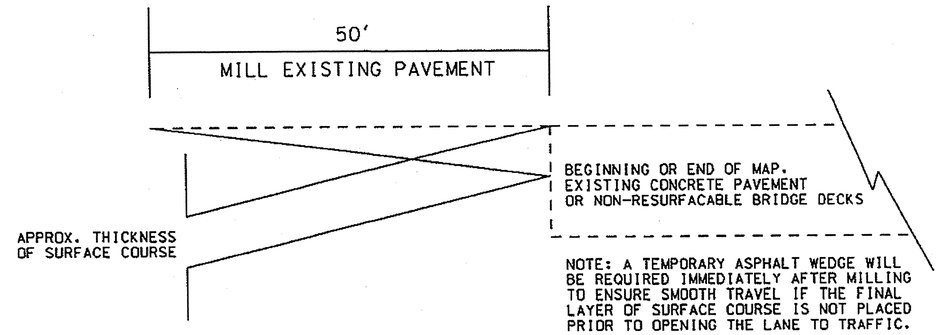
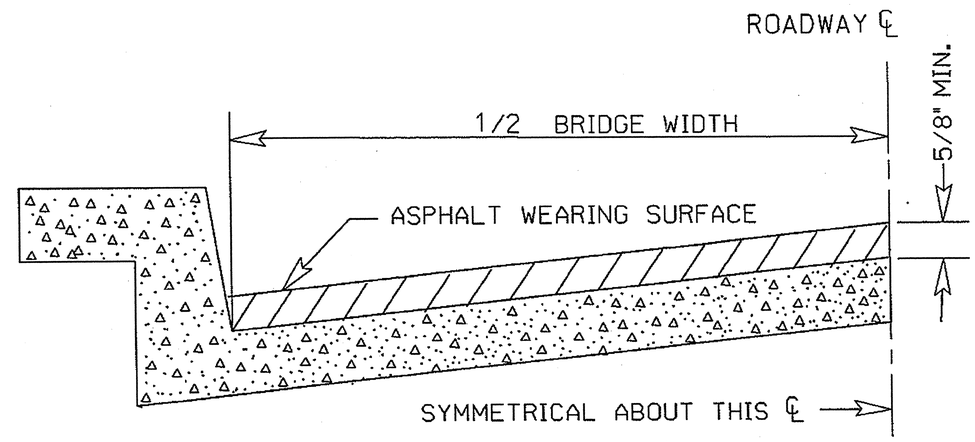


DETAIL NO. 4



DETAIL 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.

REVISIONS
8/8/2013
20-NOV-2012 14:56
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STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR

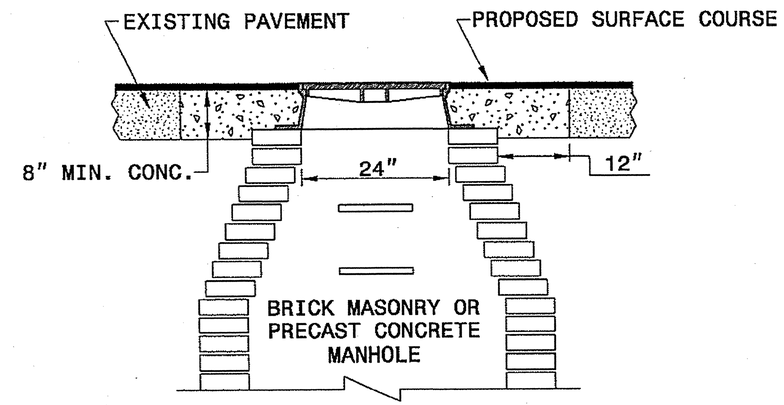
MANHOLE AND VALVE BOX ADJUSTMENTS

SHEET 1 OF 1

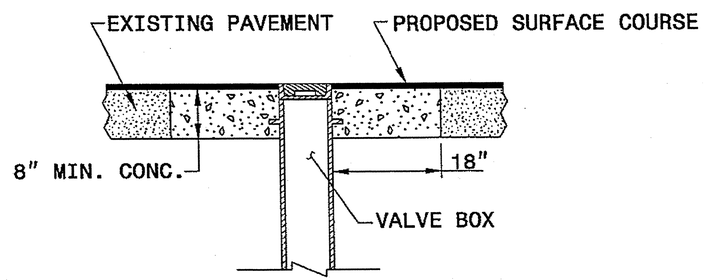
840D55

GENERAL NOTES:

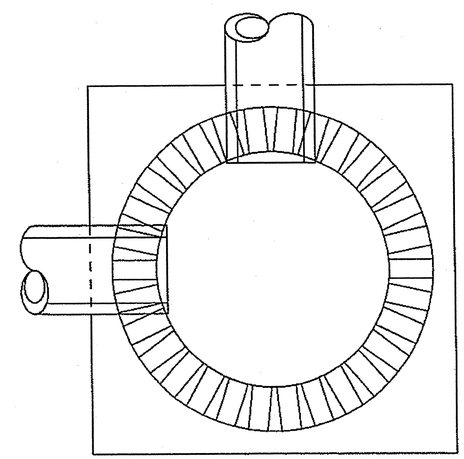
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE WITH A MINIMUM COMPRESSIVE STRENGHT OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL SIDES.
4. FILL AREA BELOW 8" DEPTH WITH 78M OR NO. 57 CLEAN STONE.
5. MIX MORTAR TO NCDOT SPECIFICATIONS.
6. MORTAR JOINTS ½" +/- ⅛"



MANHOLE CONCRETE ENCASEMENT



VALVE BOX CONCRETE ENCASEMENT



ELEVATION VIEW

PLACE BRICK ACCORDING TO ELEVATION VIEW

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

ENGLISH DETAIL DRAWING FOR

MANHOLE AND VALVE BOX ADJUSTMENTS

SHEET 1 OF 1

840D55

PROJECT SERVICES UNIT
STANDARDS AND SPECIAL DESIGN
Office 919-250-4128 FAX 919-250-4119

SEE PLATE FOR TITLE

ORIGINAL BY: _____ DATE: _____
MODIFIED BY: E.E. WARD DATE: _____
CHECKED BY: _____ DATE: _____
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07-DEC-2005 14:25
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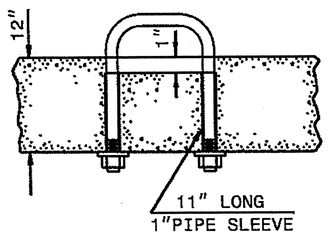
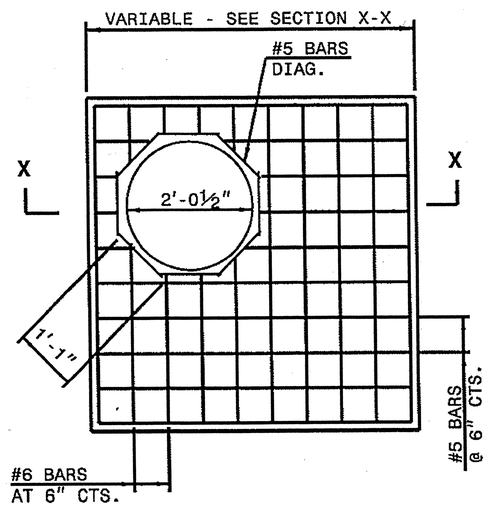
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	2.6

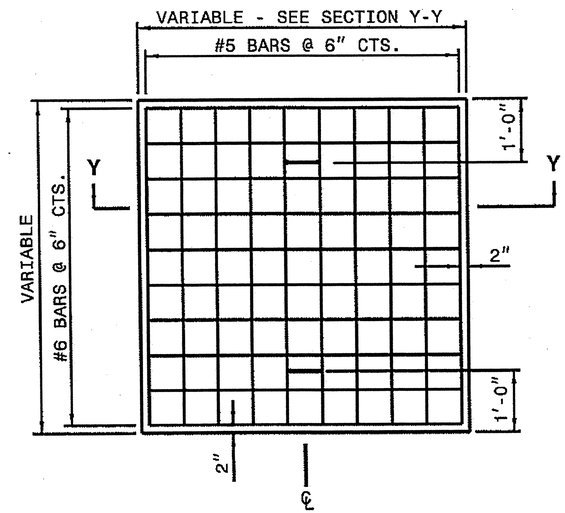
5/14/99



PARTIAL SECTION



PLAN



PLAN

GENERAL NOTES:

CONSTRUCT IN ACCORDANCE WITH SECTION 859 OF THE STANDARD SPECIFICATIONS.

FIELD VERIFY THE DIMENSIONS FOR THE EXISTING BOXES.

BILL OF MATERIALS

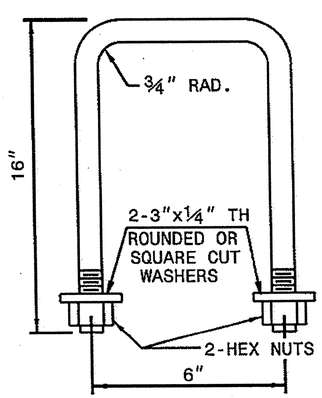
MASONRY	
TOP SLAB CONCRETE CLASS "A"	.037YDS^3 PER FT^2
BRICK MASONRY	.025YDS^3 PER FT^2
REINFORCING STEEL	7.64LBS PER FT^2

MANHOLE OPTION QUANTITIES

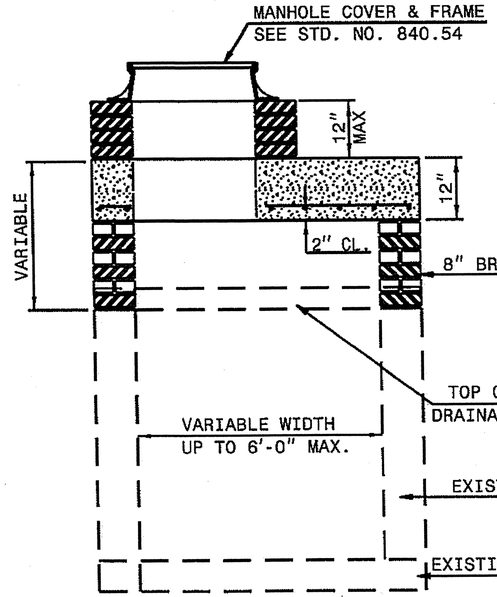
SIZE	QTY.	LENGTH	REINF. STEEL LBS.
#5 DIAG.	8	1'-1"	9.04

NOTE:
CONCRETE AND REINFORCING STEEL QUANTITIES BASED ON SQUARE FOOT AREA OF THE PROPOSED TOP SLAB FOR THE EXISTING DRAINAGE STRUCTURE.

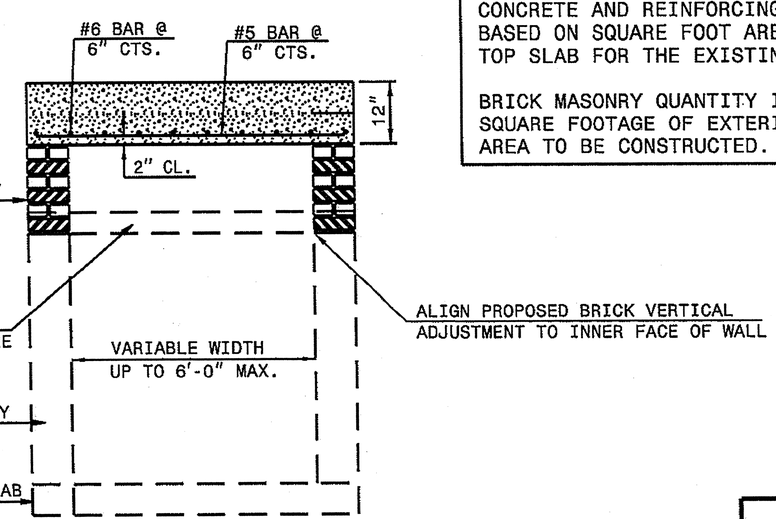
BRICK MASONRY QUANTITY IS BASED ON THE TOTAL SQUARE FOOTAGE OF EXTERIOR WALL SURFACE AREA TO BE CONSTRUCTED.



DETAIL OF HANDLE



SECTION X-X



SECTION Y-Y

CONTRACT STANDARDS
AND DEVELOPMENT UNIT
Office 919-250-4128 FAX 919-250-4119

DETAIL TO CONVERT EXISTING
DROP INLET OR CATCH BASIN
TO TRAFFIC BEARING JUNCTION BOX
(MANHOLE OPTIONAL)

ORIGINAL BY: T.S.S. DATE: FEB.2000
MODIFIED BY: E.E.W. DATE: NOV.2001
CHECKED BY: DATE:
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05-NOV-2010 10:05
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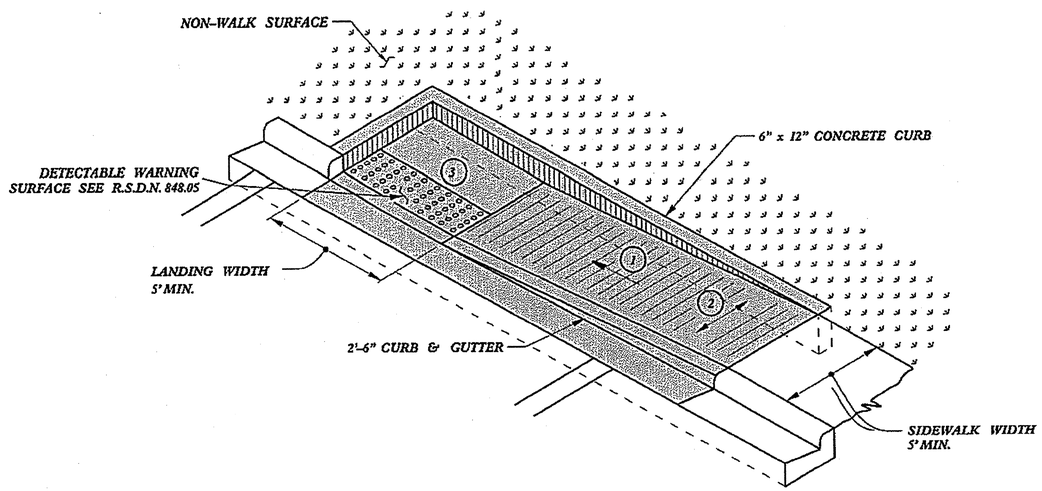
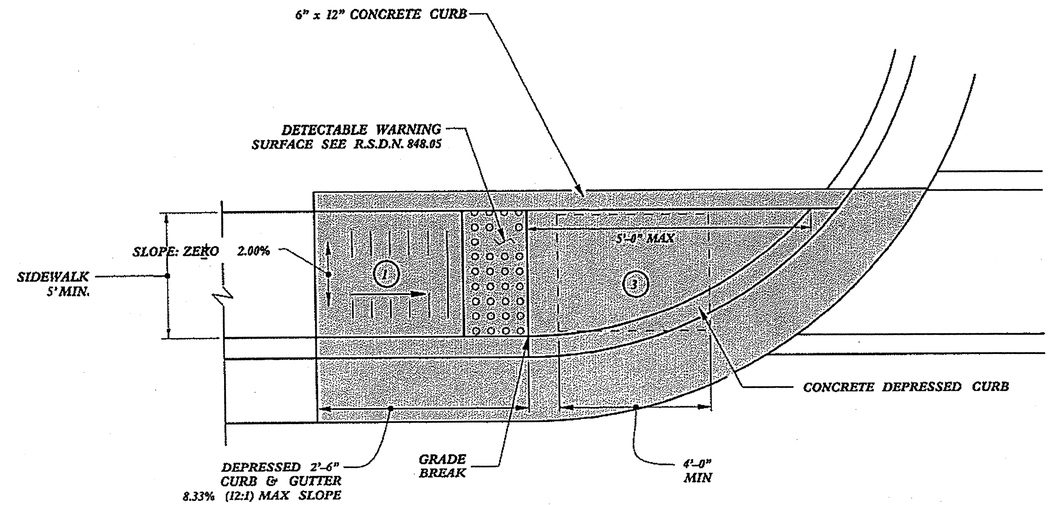
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	27

PAY LIMITS FOR CURB RAMP



TYPE 1A



TYPE 1

(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

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. :sids/2012CurbRamp/CurbRampDetails.dgn

5/14/99
22-MAR-2012 15:06
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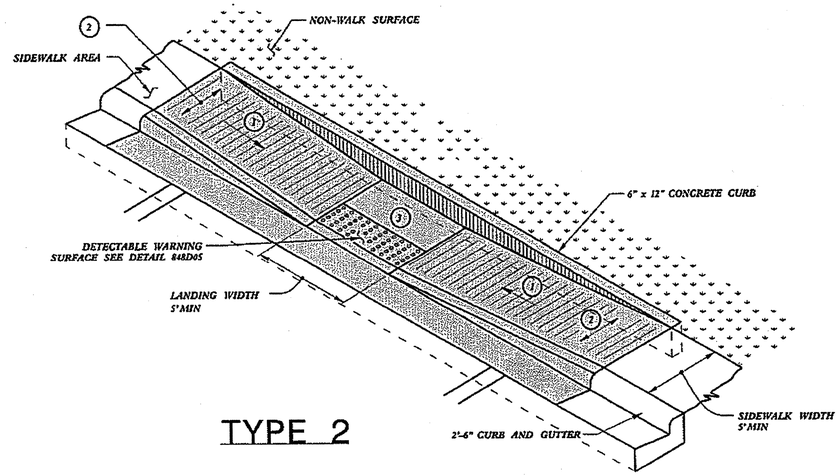
jhowerton AT CS0237901

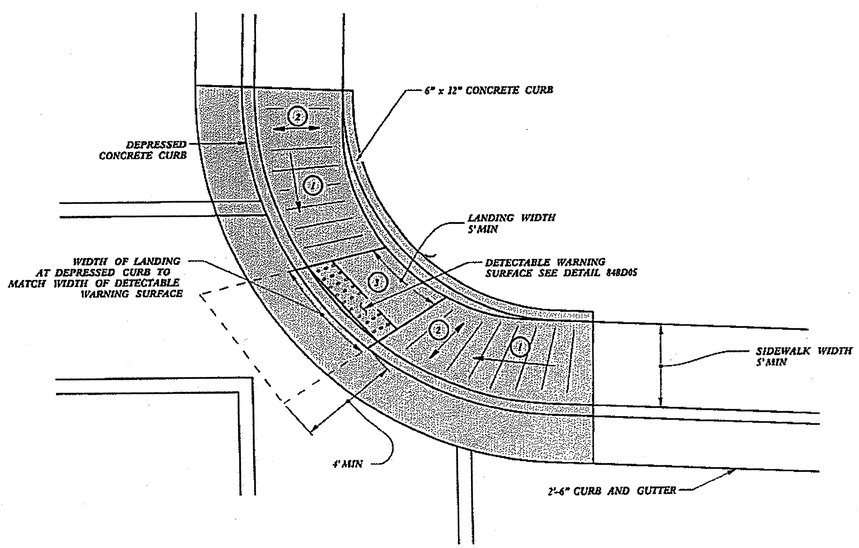
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	28



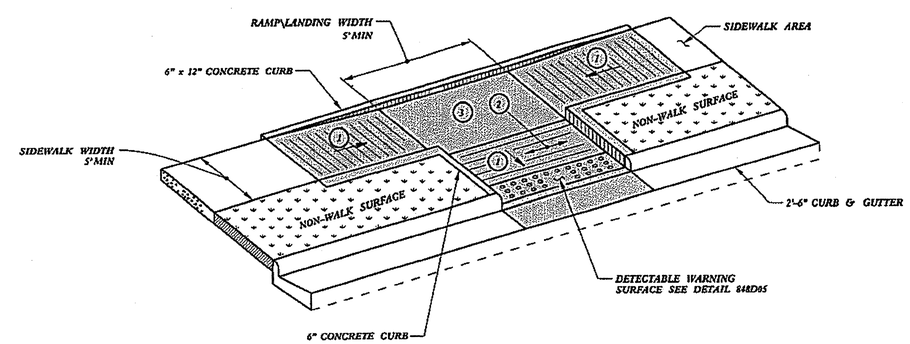
TYPE 2

PAY LIMITS FOR 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

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

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.dgn

5/14/99

22-MAR-2012 15:07
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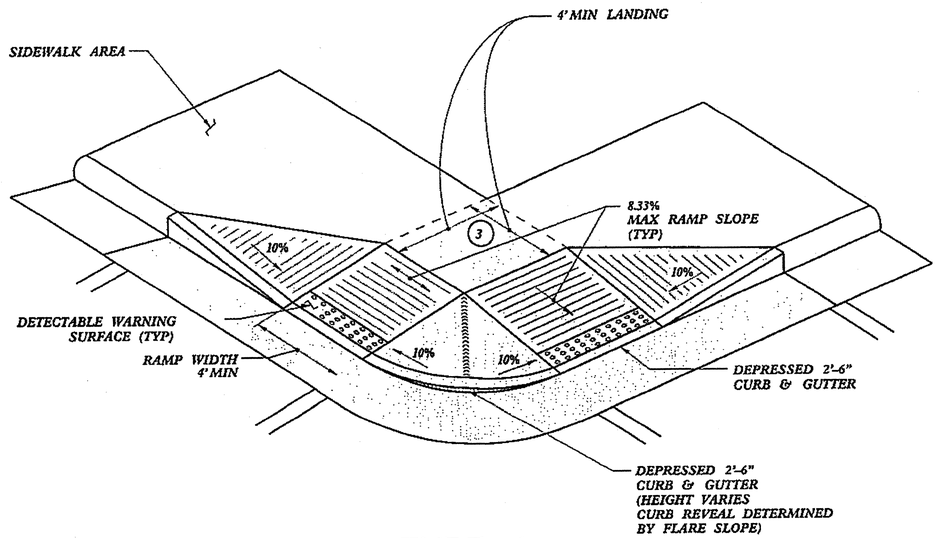
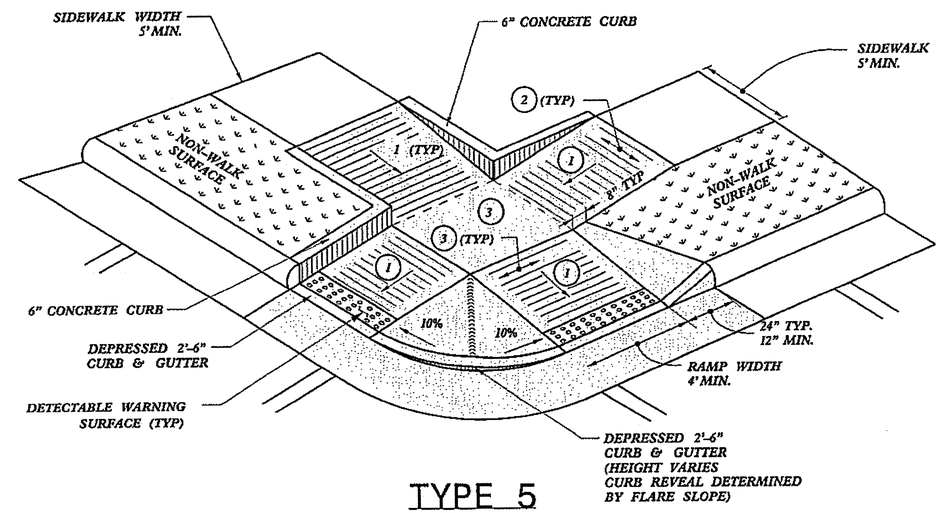
J.Howerton AT CS0237501

PROJECT REFERENCE NO.	SHEET NO.
3CR.1010.138, ETC.	29

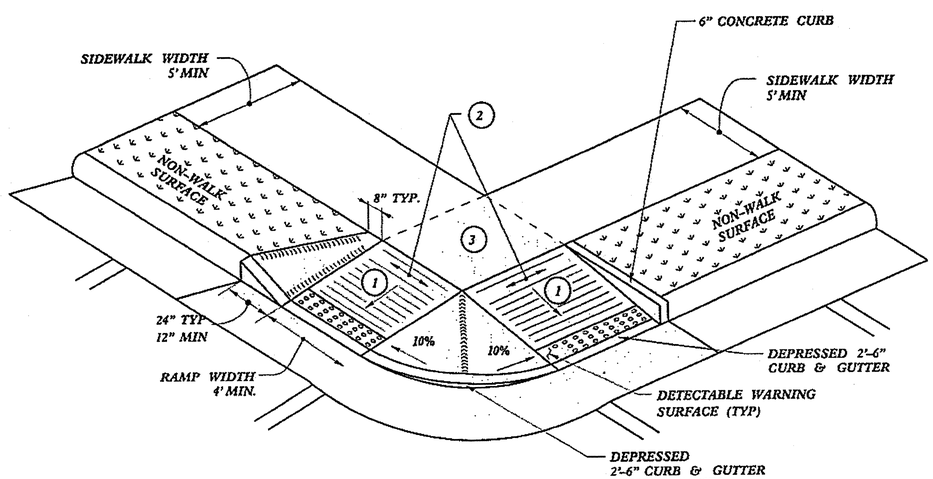
PAY LIMITS FOR CURB RAMP



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.

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

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. =tds/2012CurbRamp/CurbRampDetails.dgn

5/14/99

22-MAR-2012 15:08
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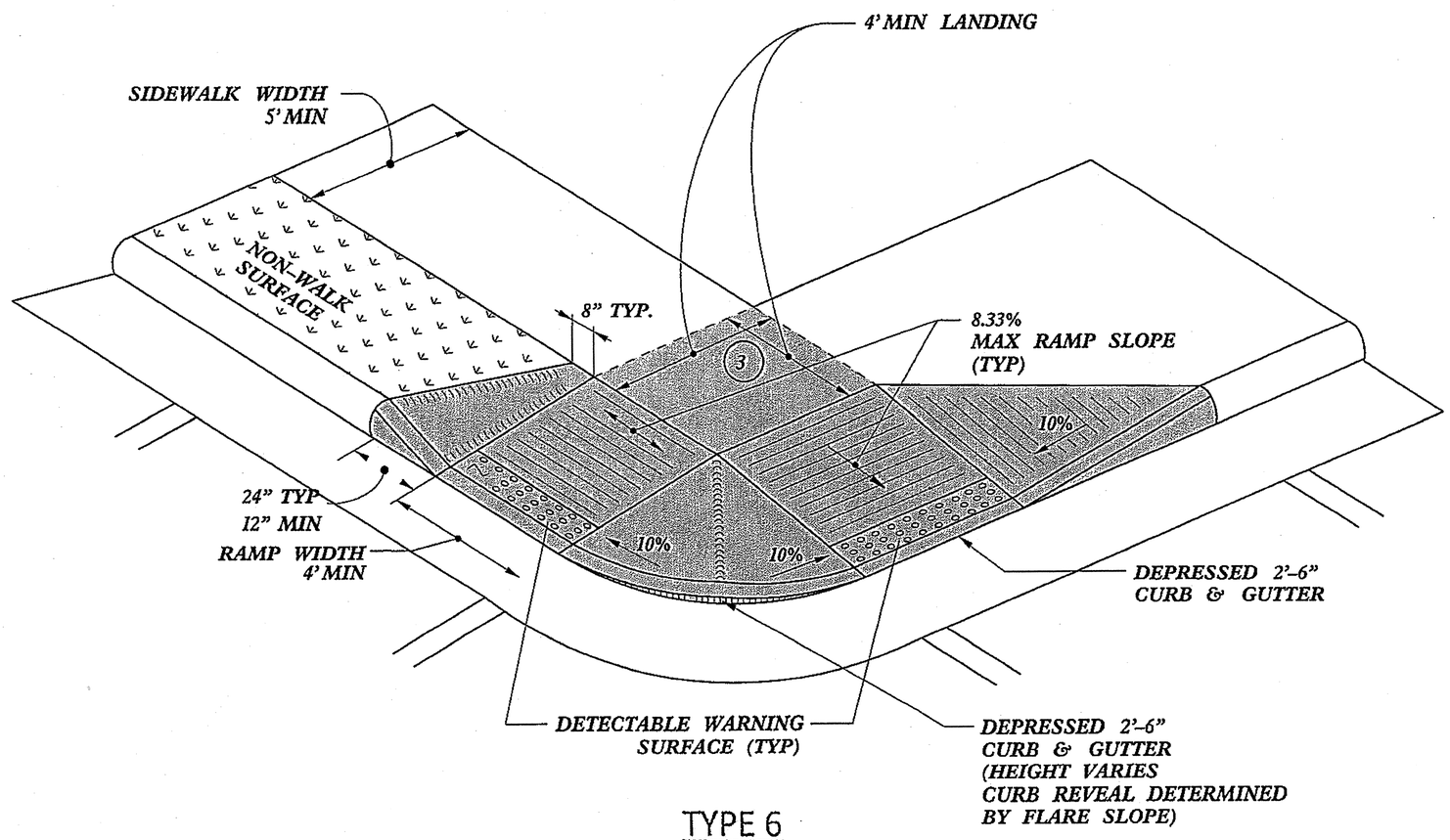
jhowerton AT CSD25750T

PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	30

PAY LIMITS FOR CURB RAMP



TYPE 6

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

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.dgn

5/14/99

22-DEC-2011 14:18
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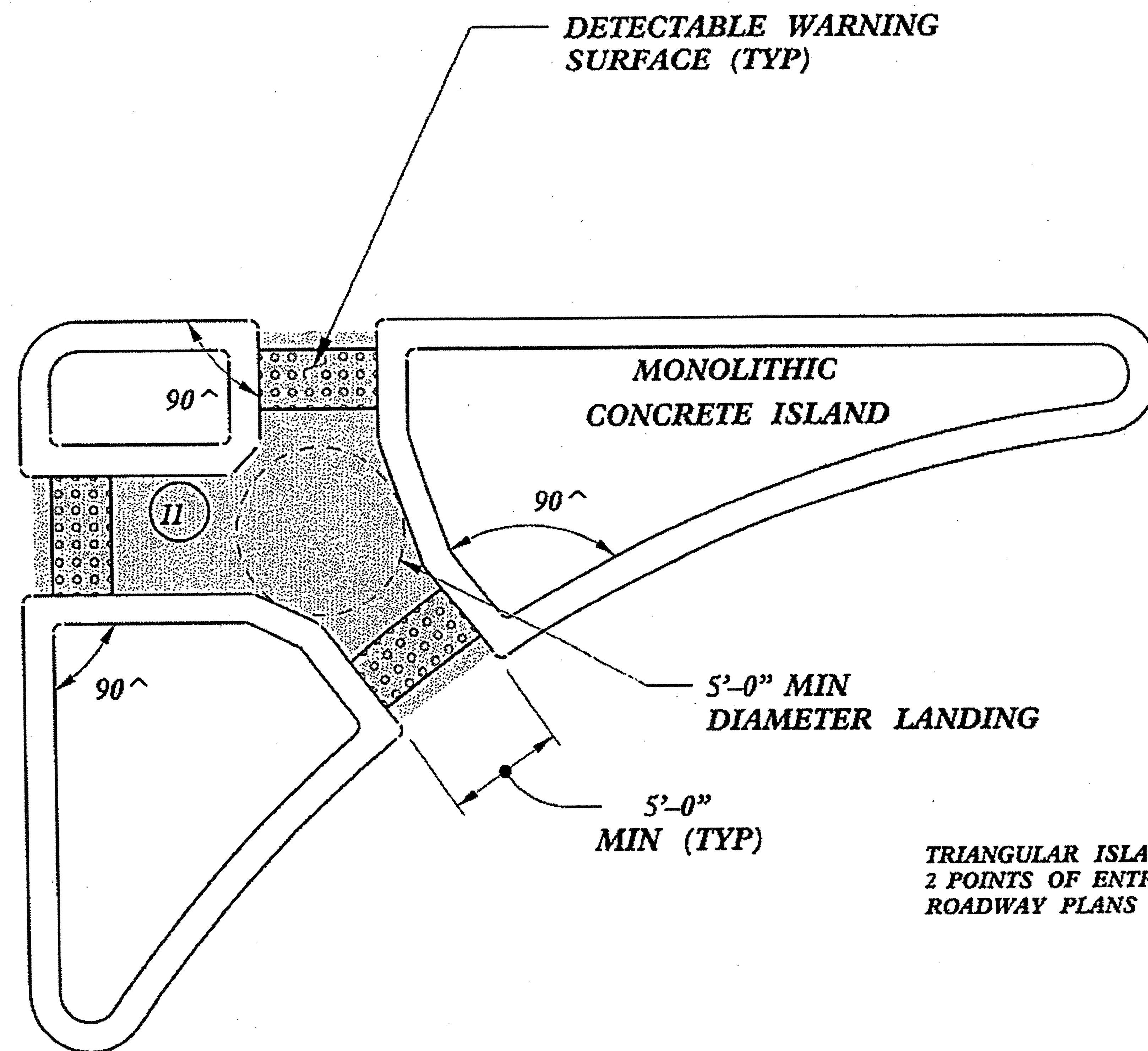
jhowerton
AT CS0237501

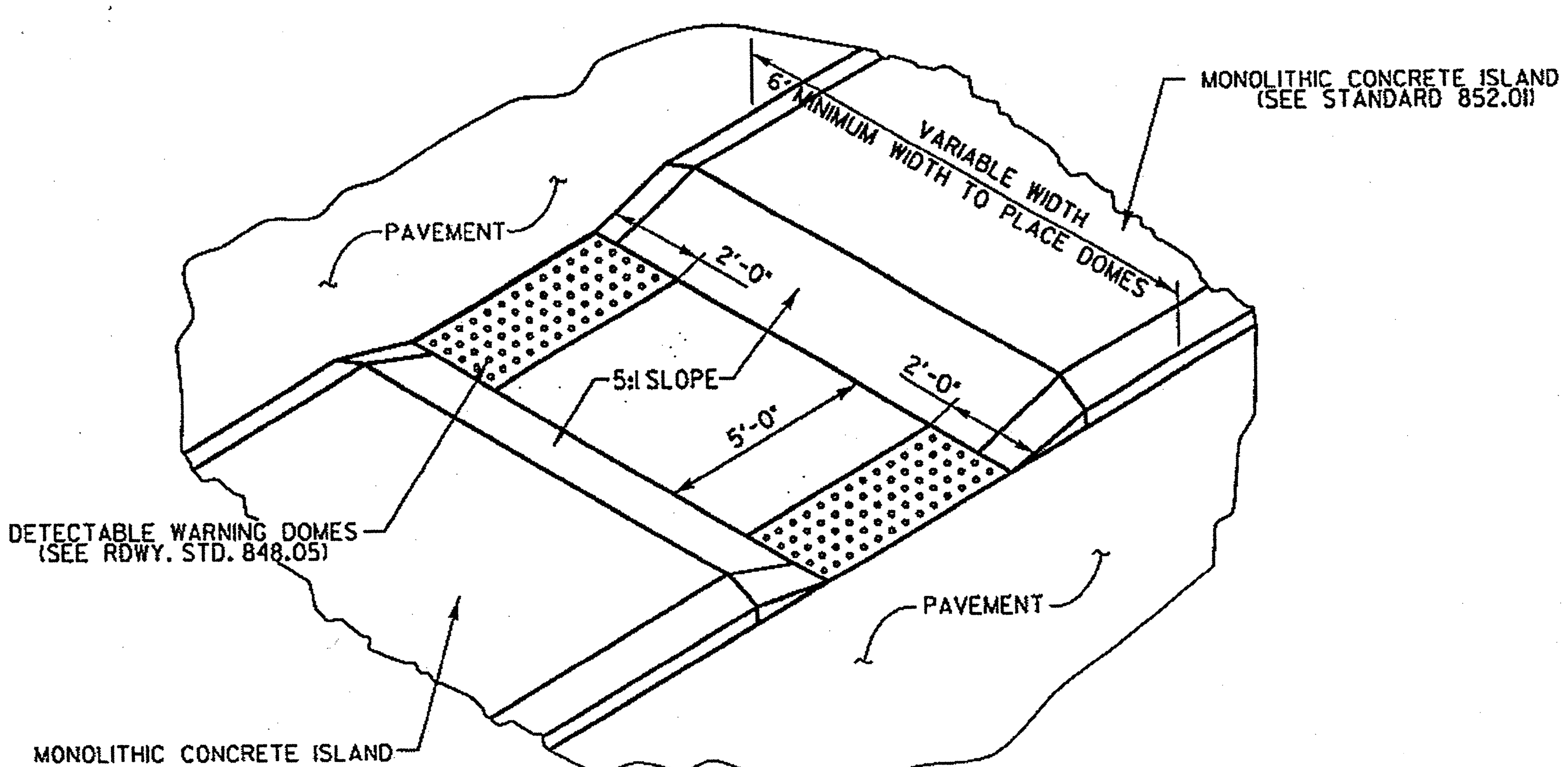
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	31

PAY LIMITS FOR 1 CURB RAMP

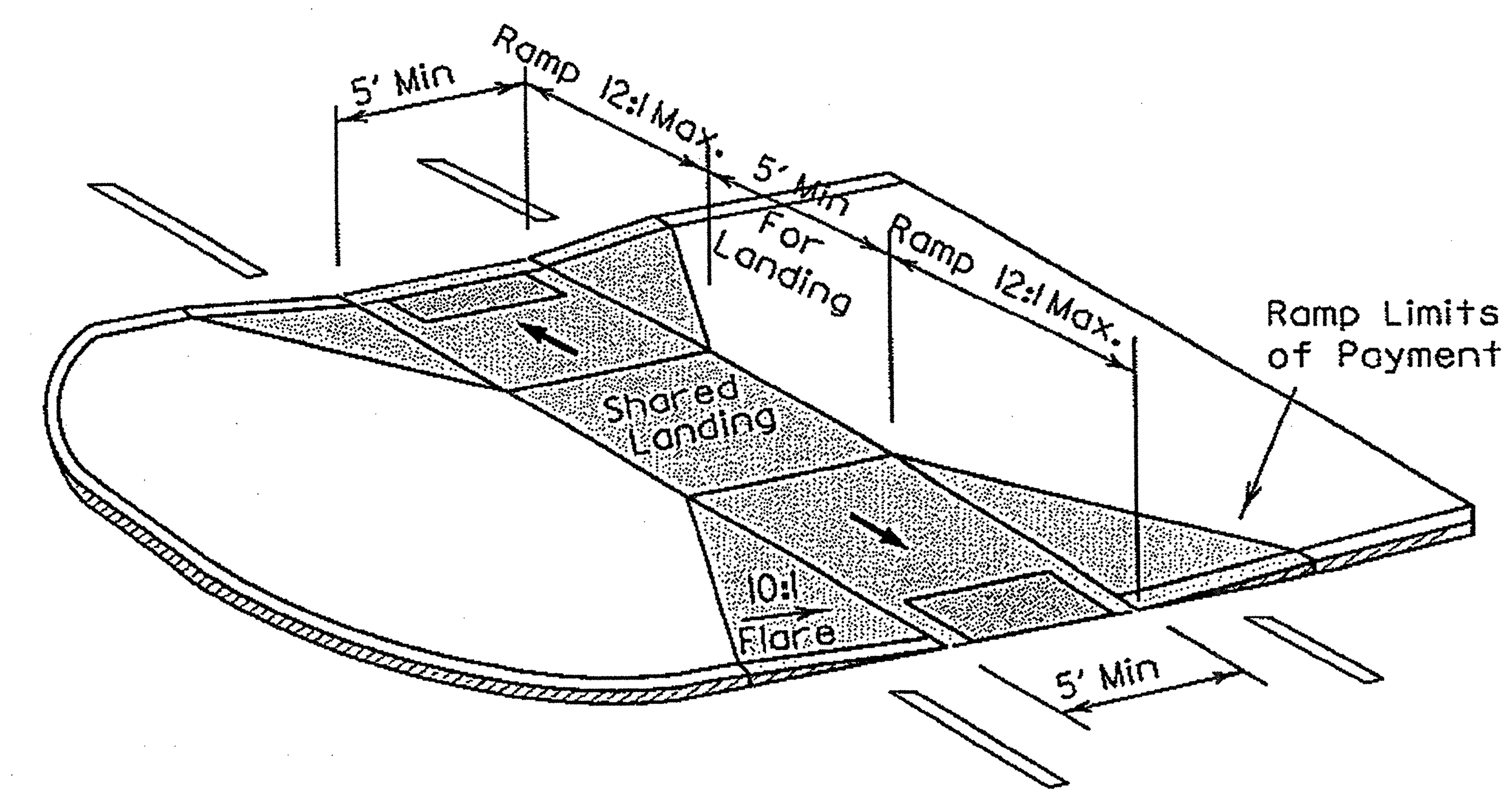


TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY 2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.

TRIANGULAR ISLAND WITH CUT THROUGH



MEDIAN ISLAND WITH CUT THROUGH



MEDIAN ISLAND CURB RAMPS

5/14/99

$$$$$SYSTIME$$$$$
$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

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.dgn

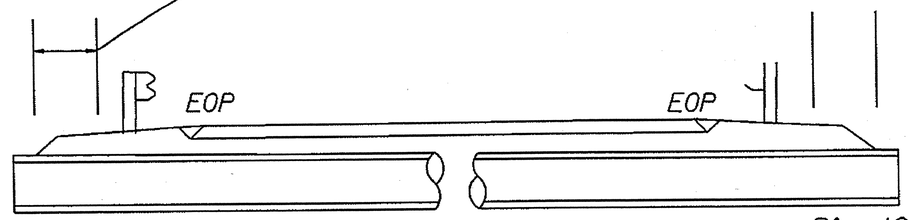
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	32

EROSION CONTROL DETAIL

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

BMP Options: Wattle or Silt Fence

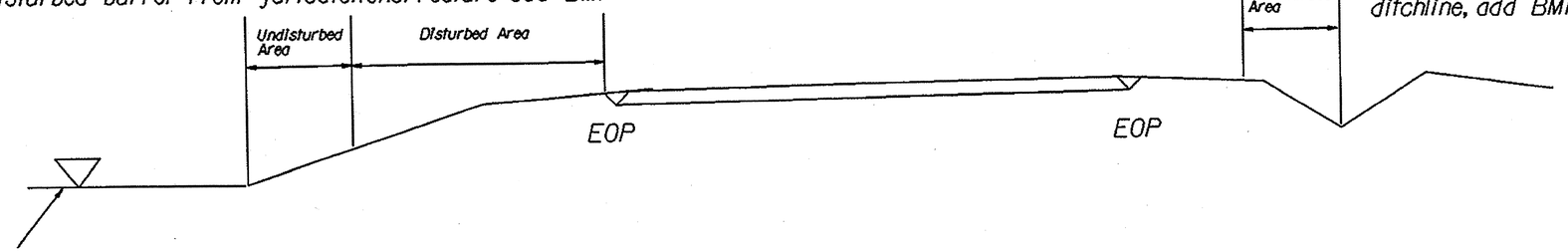
< 5' - 10' Undisturbed buffer add BMP



Pipe/Culvert

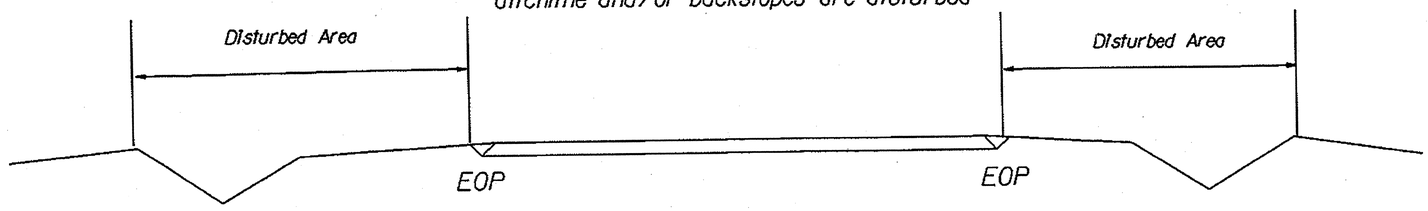
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP

< 5' - 10' Undisturbed buffer from ditchline, add BMP

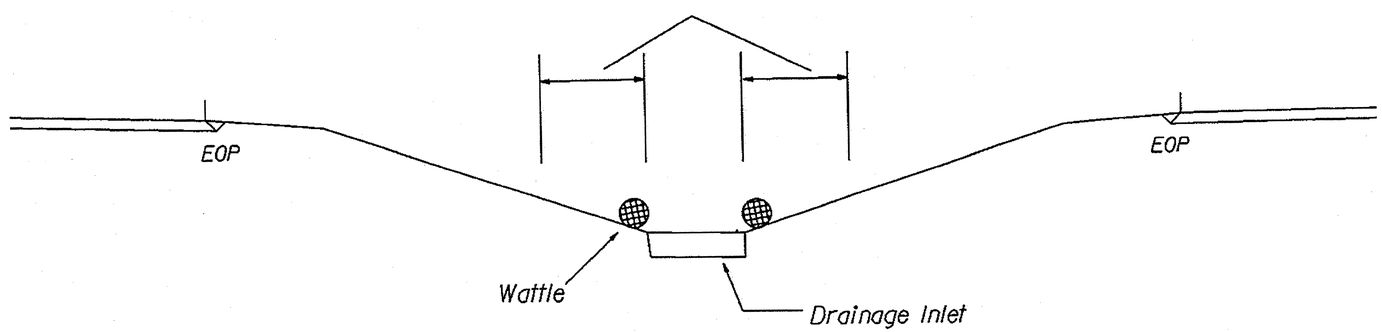


Jurisdictional Feature

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

REVISIONS

8/17/99

20-NOV-2012 14:55
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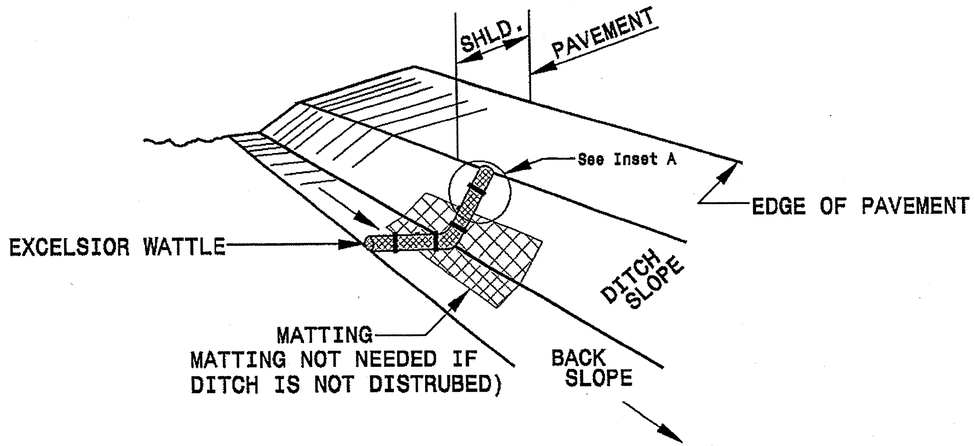
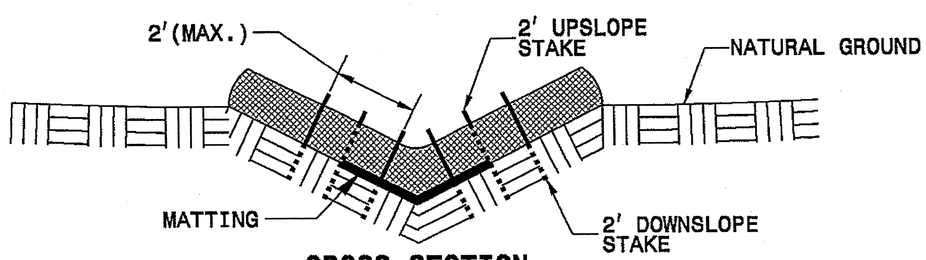
PROJECT REFERENCE NO.	SHEET NO.
3CR.1010138, ETC	33

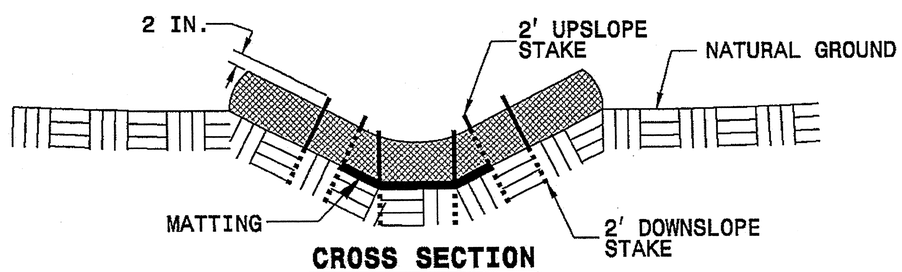
WATTLE DETAIL



ISOMETRIC VIEW



CROSS SECTION
VEE DITCH



CROSS SECTION
TRAPEZOIDAL DITCH

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

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

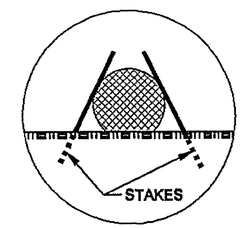
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

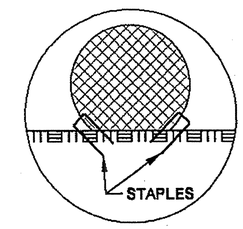
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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

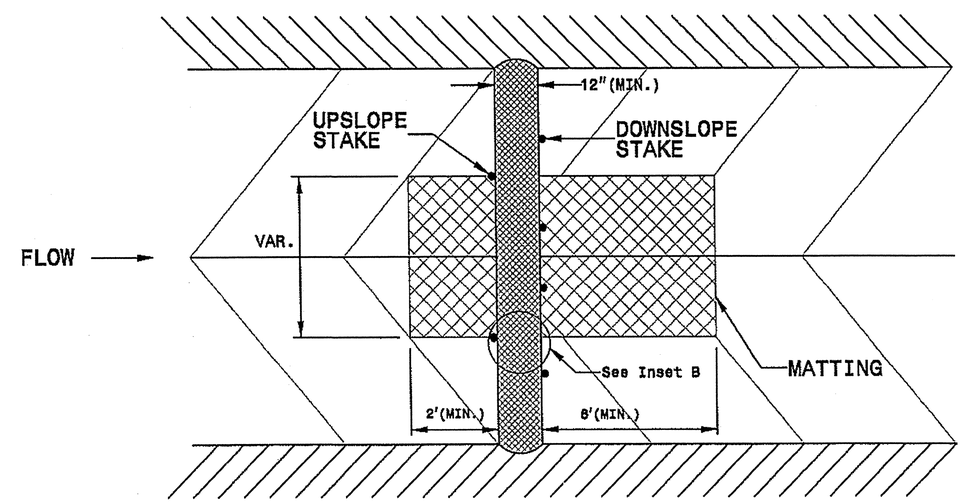
IF DITCH WILL BE DISTURBED, INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



INSET A



INSET B



TOP VIEW

REF. TP NO.	SHEET NO.
3CR.10101.138, ETT	35

APPROVED: RHW

DATE: 3/8/12

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 022959 ENGINEER RONALD W. KING

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

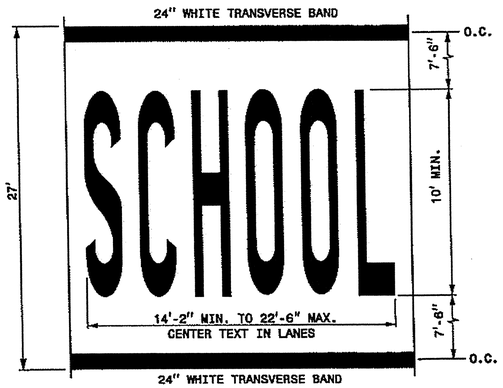
1-12

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
SYMBOLS AND WORD MESSAGES

SHEET 3 OF 8

1205D08

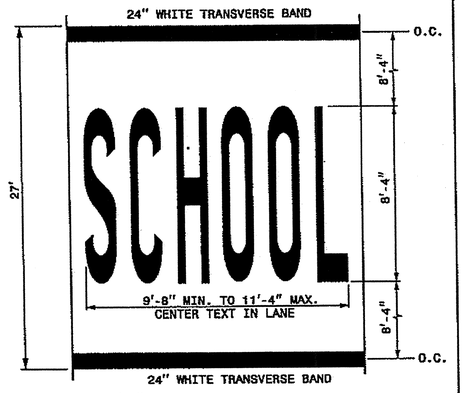
MULTI-LANE WIDTH "SCHOOL"



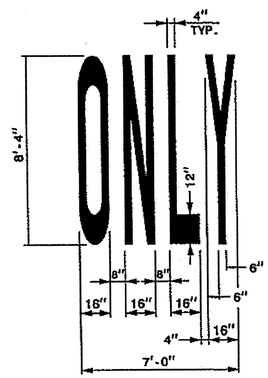
LETTER HEIGHT = 10' MIN.
LETTER WIDTH = 20"
SPACING = 10" MIN./30" MAX. (USE EQUAL SPACING BETWEEN LETTERS)

NOTE: THE TWO-LANE PAVEMENT MARKING DIMENSIONS OF "SCHOOL" SHOWN IN PART 7 OF THE MUTCD MAY ALSO BE USED.

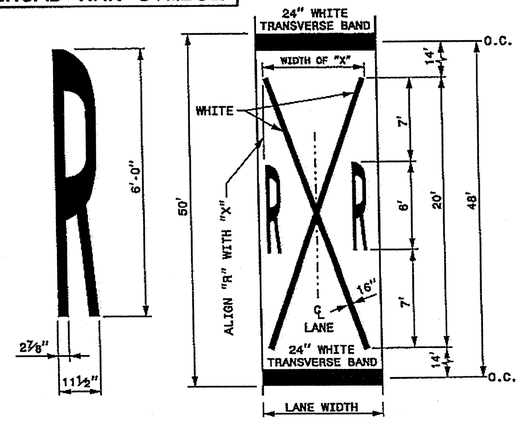
SINGLE LANE WIDTH "SCHOOL"



LETTER HEIGHT = 8'-4"
LETTER WIDTH = 16"
SPACING = 4" MIN./8" MAX. (USE EQUAL SPACING BETWEEN LETTERS)



RAILROAD RXR SYMBOL



LANE WIDTH (FEET)	WIDTH OF "X" (FEET)
8'≤W≤9'	7'
9'<W≤12'	8'
W>12'	10'

GENERAL NOTES:

1- THE SCHOOL PAVEMENT MARKING CONSISTS OF SIX (6) CHARACTERS. THE TWO (2) 24" TRANSVERSE BANDS WILL BE PAID FOR UNDER A SEPARATE PAY ITEM. REFER TO ROADWAY STANDARD DRAWING 1205.10 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.

2- PAVEMENT MARKING IN ADVANCE OF A HIGHWAY-RAIL CROSSING SHALL CONSIST OF TWO (2) CHARACTERS AND TWO (2) 16" LINES (FORMING AN X) WHICH ARE PAID FOR UNDER TWO SEPARATE PAY ITEMS. THE TWO (2) 24" TRANSVERSE BANDS WILL BE PAID FOR UNDER A SEPARATE PAY ITEM. REFER TO ROADWAY STANDARD DRAWING 1205.11 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.

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

1-12

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
SYMBOLS AND WORD MESSAGES

SHEET 3 OF 8

1205D08

REVISED PAVEMENT MARKING ROADWAY STANDARD DRAWING

08-MAR-2012 12:18
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dstokes AT TE2417-15

REF. TIP NO. BTC	SHEET NO.
3CR.10101.138,	34

APPROVED: RLW 7

DATE: 3/6/12

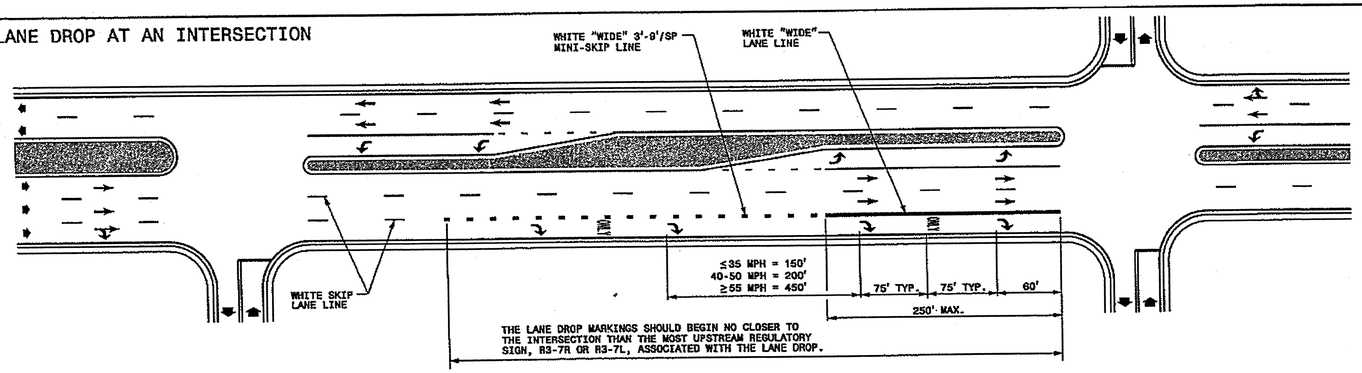
SEAL

NORTH CAROLINA PROFESSIONAL SEAL 022959 ENGINEER RONALD W. KING

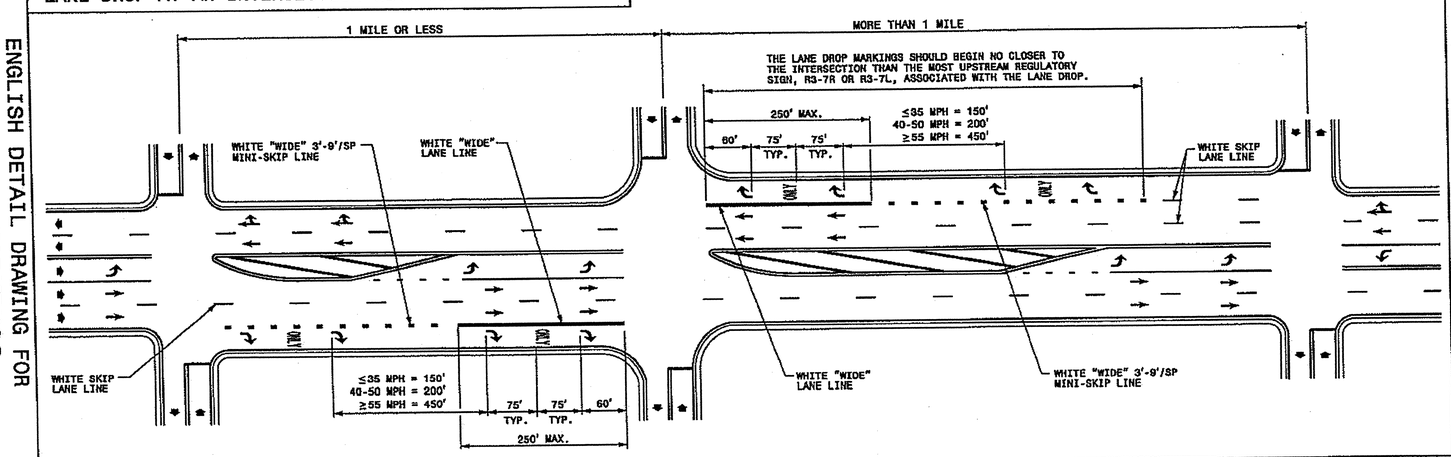
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12

LANE DROP AT AN INTERSECTION



LANE DROP AT AN INTERSECTION WITH AN AUXILIARY LANE



GENERAL NOTES:

1- USE THE GUIDANCE SHOWN ON THE ABOVE DETAILS IN CONJUNCTION WITH INTERSECTION GUIDANCE SHOWN ON ROADWAY STANDARD DRAWING 1205.04.

2- LANE LINES INDICATED AS "WIDE" SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE.

LEGEND

W = WIDTH OF TRAVEL LANE

DIRECTION OF TRAFFIC FLOW

ONLY PAVEMENT MARKING SYMBOLS & CHARACTERS

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
LANE DROPS

SHEET 1 OF 3

1205D06

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

1-12

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
LANE DROPS

SHEET 1 OF 3

1205D06

REVISED PAVEMENT MARKING ROADWAY STANDARD DRAWING

08-MAR-2012 11:09
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dstokes AT TE244745

NOTES

- OVERLAP SAW CUTS AT CORNERS AND INTERSECTION POINTS TO ENSURE UNIFORM SAW SLOT DEPTH.
- MAINTAIN 12" SPACING BETWEEN LOOP WIRE TAIL SECTIONS.
- WIRE LOOPS CONNECTED TO THE SAME DETECTOR IN SERIES.
- LOCATE LOOPS IN CENTER OF LANES UNLESS OTHERWISE SHOWN ON PLANS.
- USE A SERIES OF ONE INCH PIECES OF BACKER ROD SPACED ONE FOOT APART ALONG THE ENTIRE LENGTH OF THE FEEDER SLOT AND LOOP SAW SLOT.
- CONSULT LOOP SEALANT MANUFACTURER TO DETERMINE CURING TIME REQUIRED PRIOR TO MILLING.

SAW SLOT DEPTH CHART

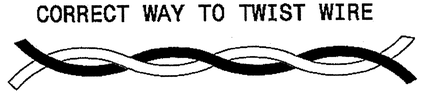
ASSUMING 2" MILLING DEPTH

DEPTH (IN)	NO. OF WIRE LAYERS				
	2	3	4	5	6
SAW SLOT DEPTH	4.0	4.5	5.0	5.0	5.0
MINIMUM TOTAL ASPHALT DEPTH REQUIRED	5.0	5.5	6.0	6.0	6.0

LOOP WIRE TWISTING METHOD

INCORRECT WAY TO TWIST WIRE

CORRECT WAY TO TWIST WIRE

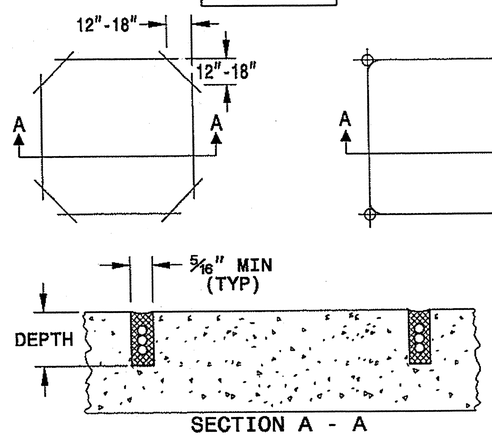


CONVENTIONAL 4-SIDED LOOP

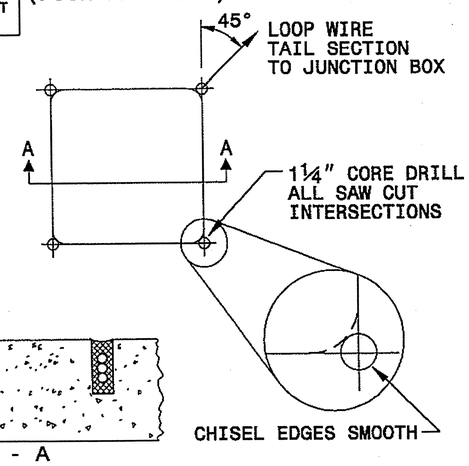
SAW CUT OPTIONS

OPTION 1

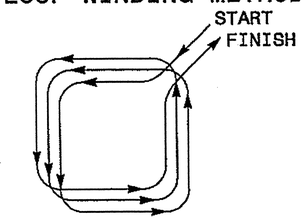
INSTALL 1" SECTIONS OF BACKER ROD ON 1 FOOT CENTERS

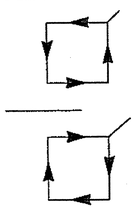


OPTION 2 (POOR PAVEMENT)



LOOP WINDING METHOD



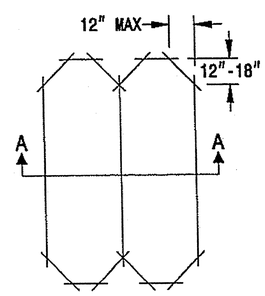


WHEN INSTALLING 2 OR MORE LOOPS IN ADJACENT LANES, WIND LOOPS IN ALTERNATE DIRECTIONS

QUADRUPOLE LOOP

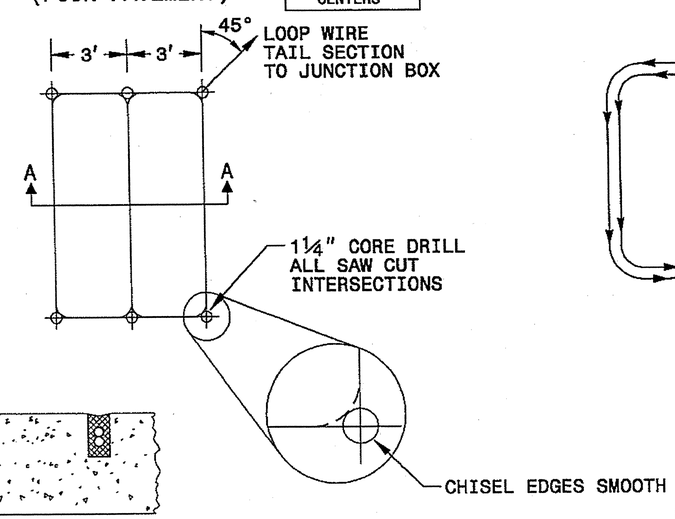
SAW CUT OPTIONS

OPTION 1

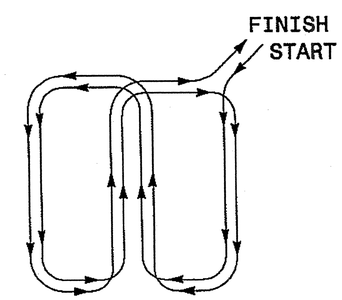


OPTION 2 (POOR PAVEMENT)

INSTALL 1" SECTIONS OF BACKER ROD ON 1 FOOT CENTERS



LOOP WINDING METHOD



REVISIONS	1	1
REMOVED TWISTING NOTES FROM TAIL SECT. TO JUNCTION BOX. 2/26/08 MWH		

DEEP-CUT INDUCTIVE DETECTION LOOPS
(FOR INSTALLATION PRIOR TO MILLING)

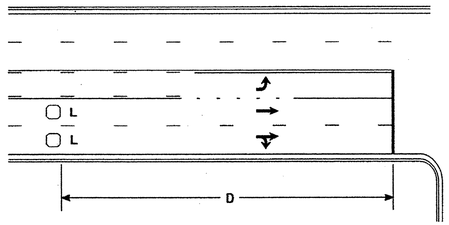
1 1

DEEP-CUT INDUCTIVE DETECTION LOOPS
(FOR INSTALLATION PRIOR TO MILLING)

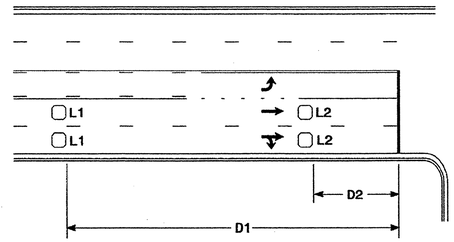
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138	36A

3CR.10651.138
3CR.20101.138
3CR.20651.138
45242.3.1 & 46280.3.3

High Speed Detection
[≥40 mph (64 km/hr)]



OR



Speed Limit mph (km/hr)		D ft	(m)
40	(64)	250	(75)
45	(72)	300	(90)
50	(80)	355	(110)
55	(88)	420	(130)

L = 6ft X 6ft (1.8m X 1.8m)
Wired in series for TS1 Controllers
Wired separately for TS2, 170, and 2070L Controllers

Volume Density Operation

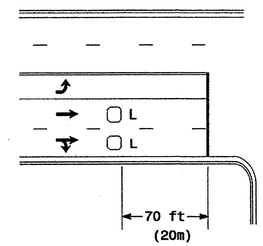
Speed Limit mph (km/hr)		D1 ft	(m)	D2 ft	(m)
40	(64)	250	(75)	80	(25)
45	(72)	300	(90)	90	(27)
50	(80)	355	(110)	100	(30)
55	(88)	420	(130)	110	(35)

L1 = 6ft X 6ft (1.8m X 1.8m) Wired in series

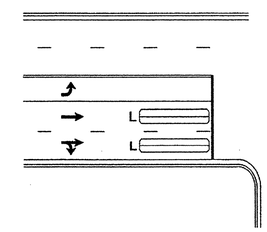
L2 = 6ft X 6ft (1.8m X 1.8m) Wired in series

"Stretch" Operation

Low Speed Detection
[≤35 mph (56 km/hr)]



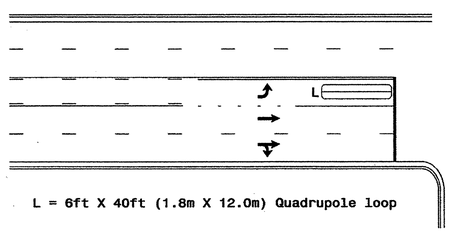
OR



L = 6ft X 6ft (1.8m X 1.8m)
Wired in series

L = 6ft X 40ft (1.8m X 12.0m)
Quadrupole loop, wired separately

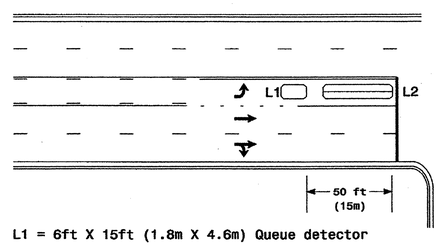
Left Turn Lane Detection



L = 6ft X 40ft (1.8m X 12.0m) Quadrupole loop

Presence Loop Detection

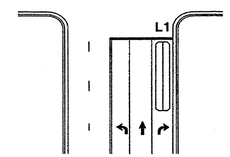
OR



L1 = 6ft X 15ft (1.8m X 4.6m) Queue detector
L2 = 6ft X 40ft (1.8m X 12.0m) Quadrupole loop

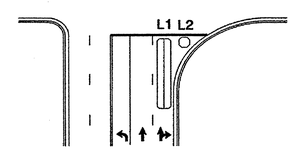
Queue Loop Detection

Right Turn Lane Detection

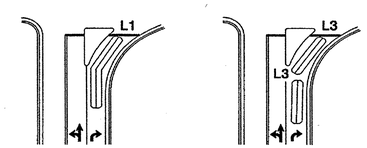


Standard Turn

L1 = 6ft X 40ft (1.8m X 12.0m) Quadrupole loop
L2 = 6ft X 6ft (1.8m X 1.8m) [Minimum] Presence loop Wired separately
L3 = 6ft X 20ft (1.8m X 6.0m) Quadrupole loop Wired in series

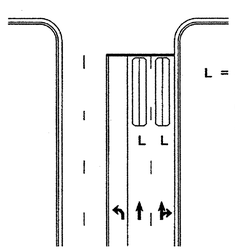


Wide Radius Turn



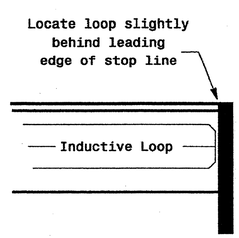
Channelized Turn

Side Street Detection



L = 6ft X 40ft (1.8m X 12.0m)
Quadrupole loop
Wired to separate detectors/channels

Presence Loop Placement at Stop Lines



Note:
Loop may be located in advance of stop line when stop line is greater than 15′ (4.5m) from edge of intersecting roadway; or, when loop detects a permissive or protected/permissive left turn.

Recommended Number of Turns

Single 6′ X 6′ (1.8m X 1.8m) loop (wired separately):

Length of Lead-in ft	(m)	Number of Turns
< 250	(75)	3
250-375	(75-115)	4
375-525	(115-160)	5
> 525	(160)	6

Quadrupole loops: Use 2-4-2 turns

6′ X 15′ (1.8m X 4.6m) Loops:
Lead-in < 150′ (45 m), use 2 turns
Lead-in > 150′ (45 m), use 3 turns

Prepared in the Office of:
Traffic Engineering and Safety Systems Branch
Signals and Geometrics Section
Department of Transportation of North Carolina
122 N. McDowell St., Raleigh, NC 27603

Typical Loop Locations

PLAN DATE: June 2006	REVIEWED BY:	
PREPARED BY: P L Alexander	REVIEWED BY:	

REVISIONS	INIT.	DATE
1) Revise pavement markings	aa	12/18/06

SCALE
N/A

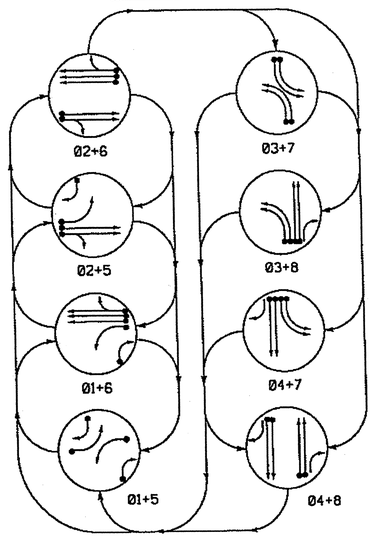
SEAL
NORTH CAROLINA PROFESSIONAL SEAL 23486 ENGINEER PAUL L. ALEXANDER
SIGNATURE
6/6/06
DATE
SIG. INVENTORY NO.

19-DEC-2006 14:29
s:\traffic\signals\ts1\b turn lines\pelicoptypical2006.dgn
palexander

PROJECT REFERENCE NO.	SHEET NO.
W-5132	37

3CR.10101.138, ETC.

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

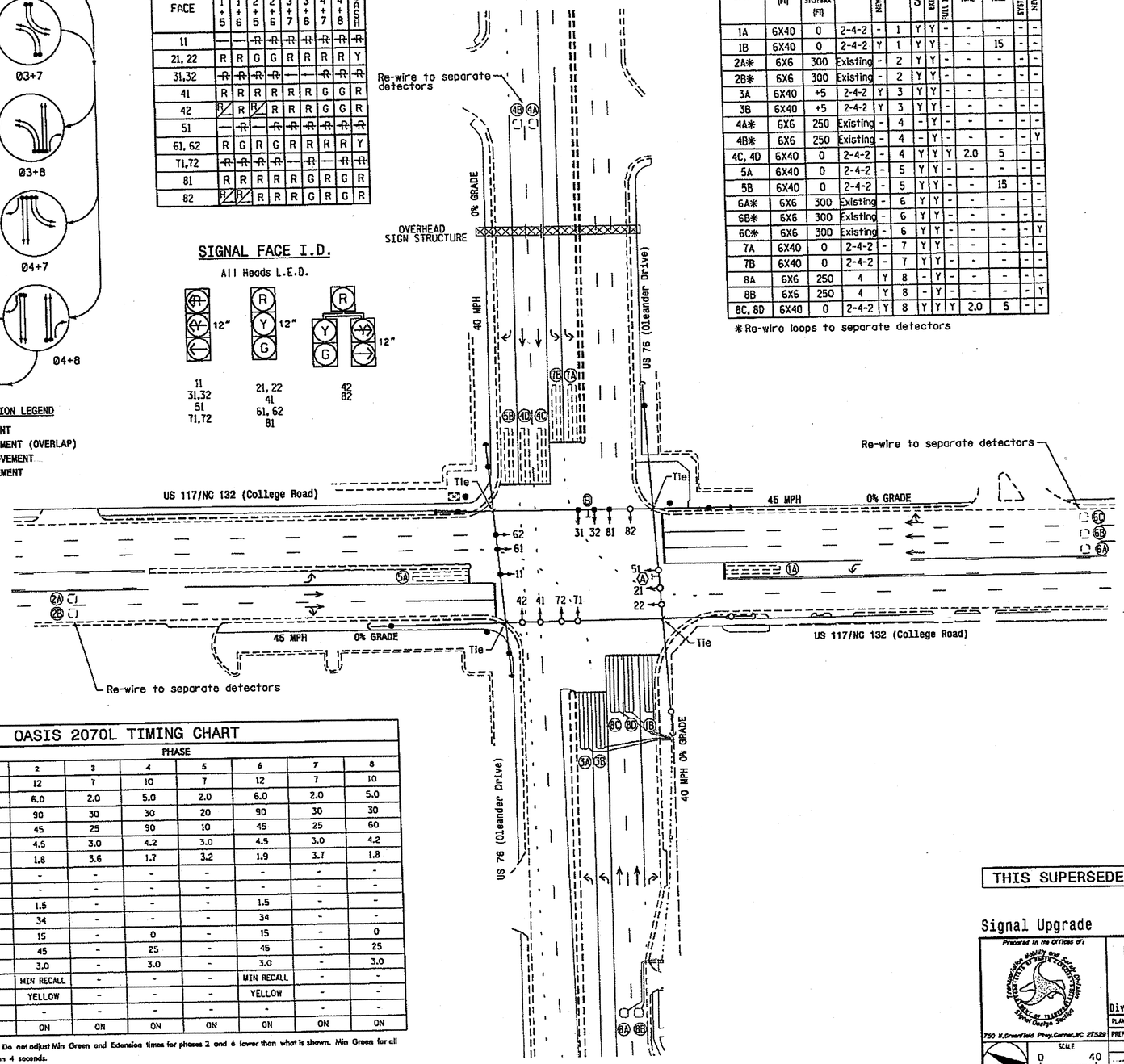
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE 01+5	01+6	02+5	02+6	03+7	03+8	04+7	04+8	FLASH
11	—	—	R	R	R	R	R	R	R
21, 22	R	R	G	G	R	R	R	R	Y
31,32	R	R	R	R	—	—	R	R	R
41	R	R	R	R	R	R	G	G	R
42	R/	R	R/	R	R	R	G	G	R
51	—	R	—	R	R	R	R	R	R
61, 62	R	G	R	G	R	R	R	R	Y
71,72	R	R	R	R	—	R	—	R	R
81	R	R	R	R	R	G	R	G	R
82	R/	R/	R	R	R	G	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



OASIS 2070L LOOP & DETECTOR INSTALLATION

INDUCTIVE LOOPS					DETECTOR PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A	6X40	0	2-4-2	-	1	Y	Y	-	-	-	-	-
1B	6X40	0	2-4-2	Y	1	Y	Y	-	-	15	-	-
2A*	6X6	300	Existing	-	2	Y	Y	-	-	-	-	-
2B*	6X6	300	Existing	-	2	Y	Y	-	-	-	-	-
3A	6X40	+5	2-4-2	Y	3	Y	Y	-	-	-	-	-
3B	6X40	+5	2-4-2	Y	3	Y	Y	-	-	-	-	-
4A*	6X6	250	Existing	-	4	-	Y	-	-	-	-	-
4B*	6X6	250	Existing	-	4	-	Y	-	-	-	-	Y
4C, 4D	6X40	0	2-4-2	-	4	Y	Y	Y	2.0	5	-	-
5A	6X40	0	2-4-2	-	5	Y	Y	-	-	-	-	-
5B	6X40	0	2-4-2	-	5	Y	Y	-	-	15	-	-
6A*	6X6	300	Existing	-	6	Y	Y	-	-	-	-	-
6B*	6X6	300	Existing	-	6	Y	Y	-	-	-	-	-
6C*	6X6	300	Existing	-	6	Y	Y	-	-	-	-	Y
7A	6X40	0	2-4-2	-	7	Y	Y	-	-	-	-	-
7B	6X40	0	2-4-2	-	7	Y	Y	-	-	-	-	-
8A	6X6	250	4	Y	8	-	Y	-	-	-	-	-
8B	6X6	250	4	Y	8	-	Y	-	-	-	-	Y
8C, 8D	6X40	0	2-4-2	Y	8	Y	Y	Y	2.0	5	-	-

*Re-wire loops to separate detectors

8 Phase
Fully Actuated
(Wilmington Signal System)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 and/or phase 5 may be lagged.
4. Phase 3 and/or phase 7 may be lagged.
5. Set all detector units to presence mode.
6. Pavement markings are existing.
7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
8. Signal system data: Controller Asset #: 0047.

LEGEND

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	Sign	
	Pedestrian Signal Head With Push Button & Sign	
	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
	Directional Arrow	
N/A	Wheelchair Ramp	
A	U-Turn "MUST YIELD" Sign (R3-27)	A
B	Left Arrow "ONLY" Sign (R3-5L)	B

OASIS 2070L TIMING CHART

FEATURE	PHASE 1	2	3	4	5	6	7	8
Min Green 1 *	7	12	7	10	7	12	7	10
Extension 1 *	2.0	6.0	2.0	5.0	2.0	6.0	2.0	5.0
Max Green 1 *	20	90	30	30	20	90	30	30
Max Green 2 *	10	45	25	90	10	45	25	60
Yellow Clearance	3.0	4.5	3.0	4.2	3.0	4.5	3.0	4.2
Red Clearance	3.6	1.8	3.6	1.7	3.2	1.9	3.7	1.8
Walk 1 *	-	-	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-	-	-
Seconds Per Actuation *	-	1.5	-	-	-	1.5	-	-
Max Variable Initial *	-	34	-	-	-	34	-	-
Time Before Reduction *	-	15	-	0	-	15	-	0
Time To Reduce *	-	45	-	25	-	45	-	25
Minimum Gap	-	3.0	-	3.0	-	3.0	-	3.0
Recall Mode	-	MIN RECALL	-	-	-	MIN RECALL	-	-
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW	-	-
Dual Entry	-	-	-	-	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON	ON	ON	ON	ON

* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

THIS SUPERSEDE PLAN SEALED ON 11-30-2010

Signal Upgrade

Prepared in the Offices of:
Transportation Mobility and Safety Division
TRAFFIC ENGINEERING BRANCH
Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

US 117/NC 132 (College Road) at US 76 (Oleander Drive)

Division 3 New Hanover County Wilmington

PLAN DATE:	October 2012	REVIEWED BY:	PLA
PREPARED BY:	JPG	REVIEWED BY:	

SCALE 1"=40'

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 29904 ENGINEER JASON P. GALLOWAY
SIGNATURE 10/4/12 DATE
SIG. INVENTORY NO. 03-0047

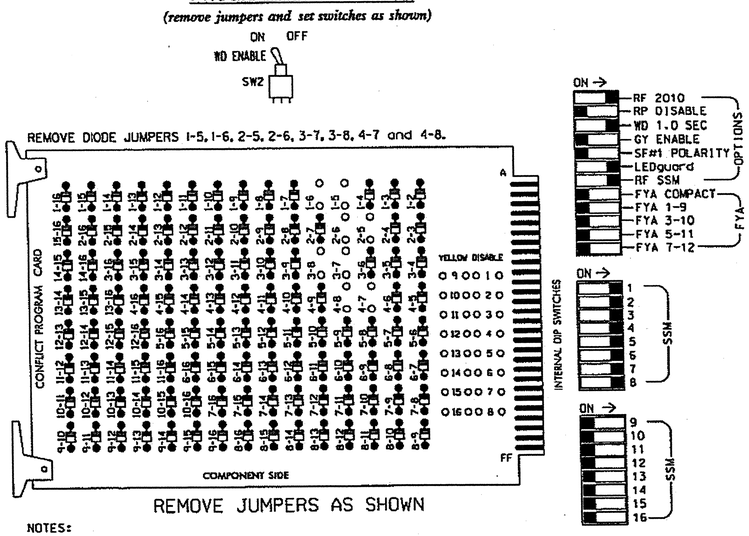
04-OCT-2012 12:02
S:\Wilson\Signals\Signal Design Section\Eastern Region\Div-03\w-5132\0000\7_sig.dgn,20101130.dgn

PROJECT REFERENCE NO.	SHEET NO.
W-5132	38

3CR.10101.138, ETC.

EDI MODEL 2010ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



REMOVE JUMPERS AS SHOWN

NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Make sure jumpers SEL2-SEL5 are present on the monitor board.

NOTES

1. To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
2. Ensure that Red Enable is active at all times during normal operation. To prevent Red Failures on unused monitor channels, tie unused red monitor inputs 9,10, 11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
3. Enable Simultaneous Gap-Out for all phases.
4. Program phases 2 and 6 for Variable Initial.
5. Program phases 2, 4, 6, and 8 for Gap Reduction.
6. Program phases 2 and 6 for Start Up In Green.
7. Program phases 2 and 6 for Yellow Flash.
8. The cabinet and controller are part of the Wilmington Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070L
CABINET.....332
SOFTWARE.....ECONOLITE OASIS
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S6,S7,S8
PHASES USED.....1,2,3,4,5,6,7,8
OVERLAPS.....NONE

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1		S2	S2P	S3	S4	S4P	S5		S6	S6P	S7	S8	S8P
PHASE	1		2	2 PED	3	4	4 PED	5		6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	11	62	21,22	NU	31,32	41,42	NU	42	51	61,62	NU	71,72	81,82	NU
RED			128			101				134			107	
YELLOW			129			102				135			108	
GREEN			130			103				136			109	
RED ARROW	125				116				131			122		
YELLOW ARROW	126	126			117			132	132			123		
GREEN ARROW	127	127			118			133	133			124		
✋														
🚶														

NU = Not Used

INPUT FILE POSITION LAYOUT

(front view)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14
FILE "I"	U	Ø1 1A	Ø2 2A	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	Ø3 3A	Ø4 4A	Ø4 4C,4D	Ø1 1B	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	FS DC ISOLATOR
	L	NOT USED	Ø2 2B				Ø3 3B	Ø4 4B	NOT USED	NOT USED					ST DC ISOLATOR
FILE "J"	U	SLOT EMPTY	Ø5 5A	Ø6 6A	Ø6 6C	SLOT EMPTY	Ø7 7A	Ø8 8A	Ø8 8C,8D	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY
	L		Ø5 5B	Ø6 6B	NOT USED		Ø7 7B	Ø8 8B	NOT USED						

EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
1A	TB2-1,2	I1U	56	18	1	1	Y	Y			
1B	TB6-9,10	I9U	60	22	11	1	Y	Y			15
2A	TB2-5,6	I2U	39	1	2	2	Y	Y			
2B	TB2-7,8	I2L	43	5	12	2	Y	Y			
3A	TB4-9,10	I6U	41	3	4	3	Y	Y			
3B	TB4-11,12	I6L	45	7	14	3	Y	Y			
4A	TB6-1,2	I7U	65	27	34	4		Y			
4B	TB6-3,4	I7L	78	40	44	4		Y			
4C,4D	TB6-5,6	I8U	49	11	24	4	Y	Y	Y	2.0	5
5A	TB3-5,6	J2U	40	2	6	5	Y	Y			
5B	TB3-7,8	J2L	44	6	16	5	Y	Y			15
6A	TB3-9,10	J3U	64	26	36	6	Y	Y			
6B	TB3-11,12	J3L	77	39	46	6	Y	Y			
6C	TB5-1,2	J4U	48	10	26	6	Y	Y			
7A	TB5-9,10	J6U	42	4	8	7	Y	Y			
7B	TB5-11,12	J6L	46	8	18	7	Y	Y			
8A	TB7-1,2	J7U	66	28	38	8		Y			
8B	TB7-3,4	J7L	79	41	48	8		Y			
8C,8D	TB7-5,6	J8U	50	12	28	8	Y	Y	Y	2.0	5

INPUT FILE POSITION LEGEND: J2L
FILE J
SLOT 2
LOWER

THIS ELECTRICAL DETAIL SUPERSEDES THE DETAIL ORIGINALLY SEALED ON 12/7/10.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 03-0047
DESIGNED: October 2012
SEALED: 10/4/12
REVISED: N/A

Signal Upgrade

ELECTRICAL AND PROGRAMMING DETAILS FOR:

US 117/NC 132 (College Road)
at
US 76 (Oleander Drive)

Division 3 New Hanover County Wilmington

PLAN DATE: October 2012 REVIEWED BY: JTR
PREPARED BY: S. Armstrong REVIEWED BY:

	INIT.	DATE

Prepared in the Offices of:
Transportation Mobility and Safety Division
Traffic Engineering Branch
Signals Management Section
750 N.Greenfield Pkwy,Garner,NC 27529

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 008453 ENGINEER JOHN T. RONEY, JR.
SIGNATURE 10-5-12 DATE
SIG. INVENTORY NO. 03-0047

09-OCT-2013 08:28
S:\Traffic\Signals\Projects\Wilmington\W-5132 Monkstrestrong03047.sm.dlg.xxx.dgn
sarmstrong

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	39	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	GRADING LS	BORROW EXC. CY	FOUND. COND. MAT., MINOR STRS TON	FOUND. COND. GEO-TEXTILE SY	12" RC PIPE CULVERTS, CLASS IV LF	INC. STONE BASE TONS	SHOULDER RECONST. SMI	2 1/2" MILLING SY	1 1/2" MILLING SY	2" MILLING SY	4" MILLING SY	1/2" MILLING SY	INC. MILLING SY	BASE COURSE, B25.0B TONS	BASE COURSE, B25.0C TONS	INT. COURSE, I19.0B TONS	INT. COURSE, I19.0C TONS
3CR.10101.138	Brunswick	1	NC 133	FROM SR 1518 (DAW'S CREEK RD.) TO 0.33 MI. SOUTH OR SR 1554 (RIVER RD.) MP 19.47-MP 26.67	1,2,3,5,6	YES	7.171	30		2,704					14.02	116,482	3,174				1,500	3,299		17,524	
TOTAL FOR MAP NO. 1							7.171			2,704					14.02	116,482	3,174				1,500	3,299		17,524	
TOTAL FOR PROJ NO. 3CR.10101.138							7.171			2,704					14.02	116,482	3,174				1,500	3,299		17,524	
3CR.10651.138	NewHanover	2	US 117/NC 132 SBL (N. COLLEGE ROAD)	FROM 0.18 MI. SOUTH OF SR 1322 (MURRAYVILLE ROAD) TO SR 2048 (GORDON ROAD) MP 5.84-MP 6.46	4,7,8	NO	0.62	34									10,912								
TOTAL FOR MAP NO. 2							0.62										10,912								
3CR.10651.138	NewHanover	3	US 117/NC 132 NBL (N. COLLEGE ROAD)	FROM SR 2048 (GORDON ROAD) TO 0.18 MI. SOUTH OF SR 1322 (MURRAYVILLE ROAD) MP 9.10-MP 9.73	4,7,8	NO	0.63	28									7,803								
TOTAL FOR MAP NO. 3							0.63										7,803								
3CR.10651.138	NewHanover	4	US 117/NC 132 (S. COLLEGE ROAD)	FROM US 117 (SHIPYARD BLVD.) TO 0.07 MI. SOUTH OF SR 2313 (WILSHIRE BLVD.) MP 3.56-MP 4.73	9,10	NO	1.17	74									18,720	30,824			2,750				
TOTAL FOR MAP NO. 4							1.17										18,720	30,824			2,750				
3CR.10651.138	NewHanover	5	US 117 SBL (SHIPYARD BOULEVARD)	FROM NC 132 (S. COLLEGE ROAD) TO 0.20 MI. EAST OF US 421 (CAROLINA BEACH ROAD) MP 11.85-MP 14.49	11,12,13,14	YES	2.64	36											51,838		4,615		1,098		7,803
TOTAL FOR MAP NO. 5							2.64												51,838		4,615		1,098		7,803
3CR.10651.138	NewHanover	6	US 117 NBL (SHIPYARD BOULEVARD)	FROM 0.05 MI. EAST OF US 421 (CAROLINA BEACH ROAD) TO NC 132 (S. COLLEGE ROAD) MP 0.86-MP 3.56	15-18	NO	2.73	36					200					63,289		2,252	3,415		744		
TOTAL FOR MAP NO. 6							2.73						200.00					63,289		2,252	3,415		744		
3CR.10651.138	NewHanover	7	US 74 EBL (EASTWOOD ROAD)	FROM 0.17 MI. WEST OF SR 1409 (MILITARY CUTOFF) TO END DIVIDED SECTION MP 8.69-MP 9.55	4,9	NO	0.86	36									20,045								
TOTAL FOR MAP NO. 7							0.86										20,045								
3CR.10651.138	NewHanover	8	US 74 WBL (EASTWOOD ROAD)	FROM END DIVIDED SECTION TO 0.17 MI. WEST OF SR 1409 (MILITARY CUTOFF) MP 3.56-MP 4.37	9	NO	0.86	24									17,676								
TOTAL FOR MAP NO. 8							0.86										17,676								
3CR.10651.138	NewHanover	9	US 74 (EASTWOOD ROAD)	FROM END DIVIDED HIGHWAY TO I.C.W.W. BRIDGE MP 9.55-MP 10.84	9	NO	1.29	76									60,532								
TOTAL FOR MAP NO. 9							1.29										60,532								
3CR.10651.138	NewHanover	10	US 74 EBL (EASTWOOD ROAD)	FROM I.C.W.W. BRIDGE TO END DIVIDED HIGHWAY (0.34 MI. EAST OF BRIDGE) MP 10.12-MP MP 10.46	9	NO	0.34	24									6,933								
TOTAL FOR MAP NO. 10							0.34										6,933								
3CR.10651.138	NewHanover	11	US 74 WBL (EASTWOOD ROAD)	FROM END DIVIDED HIGHWAY (0.34 MI. EAST OF BRIDGE) TO I.C.W.W. BRIDGE MP 2.66-MP 2.99	9	NO	0.33	24									6,083								
TOTAL FOR MAP NO. 11							0.33										6,083								
3CR.10651.138	NewHanover	12	US 76 (OLEANDER DRIVE)	FROM 0.05 MI. WEST OF OF HAWTHORNE DRIVE TO 0.15 MI. SOUTH OF US 74 (EASTWOOD ROAD) MP 5.70-MP 8.47	9,11,18,19	NO	2.77	73						75			32,242	59,746	13,412	106	7,500				2,012
TOTAL FOR MAP NO. 12							2.77							75			32,242	59,746	13,412	106	7,500				2,012
TOTAL FOR PROJ NO. 3CR.10651.138							14.24						200.00	75			180,946	153,859	65,250	2,358	18,280		1,842		9,815
3CR.20101.138	Brunswick	13	SR 1340 (EXUM ROAD)	FROM SR 1335 (BIG NECK RD.) TO EXUM RD./CAMP BRANCH RD. INTERSECTION MP 0.00-MP 4.15	MILL PATCH	NO	4.15	18																	
TOTAL FOR MAP NO. 13							4.15																		
3CR.20101.138	Brunswick	14	SR 1119 (STANLEY ROAD)	FROM SR 1130 (MT. PISGAH RD.) TO CEDAR GROVE MIDDLE SCHOOL MP 0.00-MP 2.80	20	NO	2.8	22						200								2,163			
TOTAL FOR MAP NO. 14							2.8							200								2,163			
3CR.20101.138	Brunswick	15	SR 1132 (CIVIETOWN ROAD)	FROM NC 130 (HOLDEN BEACH RD.) TO SR 1130 (MT. PISGAH RD.) MP 0.00-MP 2.30	20	NO	2.3	22						75								1,177			

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	40	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, S9.5C TONS	LEVELING COURSE, S9.5C TONS	SURFACE COURSE, SF9.5A TONS	ASPHALT CONC SURFACE COURSE,TYPE S4.75A(LEVELING) TON	ASPHALT BINDER FOR PLANT MIX TON	PATCHING EXISTING PAVEMENT (MILL) TON	PATCHING EXISTING PAVEMENT (FULL DEPTH) TONS	PATCHING EXISTING PAVEMENT S9.5B (MILL PATCH) TON	PATCHING EXISTING PAVEMENT I19.0B (MILL PATCH) TON	PAVEMENT INTERLAYER SY	MASONRY DRAINAGE STRUCTURE EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE E EA	FRAME WITH TWO GRATES, STD 840.22 EA	FRAME WITH COVER, STD 840.54 EA	1'-6" CONCRETE CURB & GUTTER LF	2'-6" CONCRETE CURB & GUTTER LF	4" CONCRETE SIDEWALK SY
3CR.10101.138	Brunswick	1	NC 133	FROM SR 1518 (DAW'S CREEK RD.) TO 0.33 MI. SOUTH OR SR 1554 (RIVER RD.) MP 19.47-MP 26.67	1,2,3,5,6	YES	7.171	30	11,785					1,693	125											
TOTAL FOR MAP NO. 1							7.171		11,785					1,693	125											
TOTAL FOR PROJ NO. 3CR.10101.138							7.171		11,785					1,693	125											
3CR.10651.138	NewHanover	2	US 117/NC 132 SBL (N. COLLEGE ROAD)	FROM 0.18 MI. SOUTH OF SR 1322 (MURRAYVILLE ROAD) TO SR 2048 (GORDON ROAD) MP 5.84-MP 6.46	4,7,8	NO	0.62	34	1,015					60	40	5										
TOTAL FOR MAP NO. 2							0.62		1,015					60	40	5										
3CR.10651.138	NewHanover	3	US 117/NC 132 NBL (N. COLLEGE ROAD)	FROM SR 2048 (GORDON ROAD) TO 0.18 MI. SOUTH OF SR 1322 (MURRAYVILLE ROAD) MP 9.10-MP 9.73	4,7,8	NO	0.63	28	725					43												
TOTAL FOR MAP NO. 3							0.63		725					43												
3CR.10651.138	NewHanover	4	US 117/NC 132 (S. COLLEGE ROAD)	FROM US 117 (SHIPYARD BLVD.) TO 0.07 MI. SOUTH OF SR 2313 (WILSHIRE BLVD.) MP 3.56-MP 4.73	9,10	NO	1.17	74		5,539				327	75	10			30,828.00		1.00					78
TOTAL FOR MAP NO. 4							1.17			5,539				327	75	10			30,828.00		1.00					78
3CR.10651.138	NewHanover	5	US 117 SBL (SHIPYARD BOULEVARD)	FROM NC 132 (S. COLLEGE ROAD) TO 0.20 MI. EAST OF US 421 (CAROLINA BEACH ROAD) MP 11.85-MP 14.49	11,12,13,14	YES	2.64	36		5,034				719	30	15										
TOTAL FOR MAP NO. 5							2.64			5,034				719	30	15										
3CR.10651.138	NewHanover	6	US 117 NBL (SHIPYARD BOULEVARD)	FROM 0.05 MI. EAST OF US 421 (CAROLINA BEACH ROAD) TO NC 132 (S. COLLEGE ROAD) MP 0.86-MP 3.56	15-18	NO	2.73	36		8,107				511	75	20				6		6	6.00	13.00		
TOTAL FOR MAP NO. 6							2.73			8,107				511	75	20				6.00		6.00	6.00	13.00		
3CR.10651.138	NewHanover	7	US 74 EBL (EASTWOOD ROAD)	FROM 0.17 MI. WEST OF SR 1409 (MILITARY CUTOFF) TO END DIVIDED SECTION MP 8.69-MP 9.55	4,9	NO	0.86	36		1,858	50			112	60	40										
TOTAL FOR MAP NO. 7							0.86			1,858	50			112	60	40										
3CR.10651.138	NewHanover	8	US 74 WBL (EASTWOOD ROAD)	FROM END DIVIDED SECTION TO 0.17 MI. WEST OF SR 1409 (MILITARY CUTOFF) MP 3.56-MP 4.37	9	NO	0.86	24		1,640	50			101	60	40										20
TOTAL FOR MAP NO. 8							0.86			1,640	50			101	60	40										20
3CR.10651.138	NewHanover	9	US 74 (EASTWOOD ROAD)	FROM END DIVIDED HIGHWAY TO I.C.W.W. BRIDGE MP 9.55-MP 10.84	9	NO	1.29	76	330	5,272				330	50	75										
TOTAL FOR MAP NO. 9							1.29		330	5,272				330	50	75										
3CR.10651.138	NewHanover	10	US 74 EBL (EASTWOOD ROAD)	FROM I.C.W.W. BRIDGE TO END DIVIDED HIGHWAY (0.34 MI. EAST OF BRIDGE) MP 10.12-MP MP 10.46	9	NO	0.34	24		642				37												
TOTAL FOR MAP NO. 10							0.34			642				37												
3CR.10651.138	NewHanover	11	US 74 WBL (EASTWOOD ROAD)	FROM END DIVIDED HIGHWAY (0.34 MI. EAST OF BRIDGE) TO I.C.W.W. BRIDGE MP 2.66-MP 2.99	9	NO	0.33	24		564				33												
TOTAL FOR MAP NO. 11							0.33			564				33												
3CR.10651.138	NewHanover	12	US 76 (OLEANDER DRIVE)	FROM 0.05 MI. WEST OF OF HAWTHORNE DRIVE TO 0.15 MI. SOUTH OF US 74 (EASTWOOD ROAD) MP 5.70-MP 8.47	9,11,18,19	NO	2.77	73		11,611	25			781	100	50										
TOTAL FOR MAP NO. 12							2.77			11,611	25			781	100	50										
TOTAL FOR PROJ NO. 3CR.10651.138							14.24		2,070	40,267	125			3,054	490	255			30,828.00	6.00	1.00	6.00	6.00	13.00		98
3CR.20101.138	Brunswick	13	SR 1340 (EXUM ROAD)	FROM SR 1335 (BIG NECK RD.) TO EXUM RD./CAMP BRANCH RD. INTERSECTION MP 0.00-MP 4.15	MILL PATCH	NO	4.15	18								160	1,575									
TOTAL FOR MAP NO. 13							4.15									160	1,575									
3CR.20101.138	Brunswick	14	SR 1119 (STANLEY ROAD)	FROM SR 1130 (MT. PISGAH RD.) TO CEDAR GROVE MIDDLE SCHOOL MP 0.00-MP 2.80	20	NO	2.8	22				3,298		316												
TOTAL FOR MAP NO. 14							2.8					3,298		316												
3CR.20101.138	Brunswick	15	SR 1132 (CIVIETOWN ROAD)	FROM NC 130 (HOLDEN BEACH RD.) TO SR 1130 (MT. PISGAH RD.) MP 0.00-MP 2.30	20	NO	2.3	22				2,709		233												

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	41	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	RETROFIT EXISTING CURB RAMP EA	CONCRETE CURB RAMP EA	5" MONOLITHIC CONCRETE ISLANDS(SURFACE MOUNTED) SY	REMOVAL OF CONCRETE ISLAND SY	REMOVAL OF 1'-6" CURB & GUTTER LF	REMOVE & REPLACE 2'-6" CURB & GUTTER LF	REMOVE & REPLACE CURB RAMP EA	ADJ. OF MEDIAN DROP INLET EA	REMOVE CURB RAMPS EA	ADJ. OF CATCH BASIN EA	ADJ. OF MON EA	ADJ. OF MANHOLES EA	ADJUSTMENT OF METER OR VALVE BOX EA	CONVERT EXISTING DROP INLET TOJUNCTION BOX WITH MANHOLE EA	RELOCATE FIRE HYDRANT EA	PORTABLE LIGHTING LS	TEMPORARY SILT FENCE LF
3CR.10101.138	Brunswick	1	NC 133	FROM SR 1518 (DAW'S CREEK RD.) TO 0.33 MI. SOUTH OR SR 1554 (RIVER RD.) MP 19.47-MP 26.67	1,2,3,5,6	YES	7.171	30													6				1,395
TOTAL FOR MAP NO. 1							7.171														6				1,395
TOTAL FOR PROJ NO. 3CR.10101.138							7.171														6				1,395
3CR.10651.138	NewHanover	2	US 117/NC 132 SBL (N. COLLEGE ROAD)	FROM 0.18 MI. SOUTH OF SR 1322 (MURRAYVILLE ROAD) TO SR 2048 (GORDON ROAD) MP 5.84-MP 6.46	4,7,8	NO	0.62	34																	
TOTAL FOR MAP NO. 2							0.62																		
3CR.10651.138	NewHanover	3	US 117/NC 132 NBL (N. COLLEGE ROAD)	FROM SR 2048 (GORDON ROAD) TO 0.18 MI. SOUTH OF SR 1322 (MURRAYVILLE ROAD) MP 9.10-MP 9.73	4,7,8	NO	0.63	28																*	
TOTAL FOR MAP NO. 3							0.63																	*	
3CR.10651.138	NewHanover	4	US 117/NC 132 (S. COLLEGE ROAD)	FROM US 117 (SHIPYARD BLVD.) TO 0.07 MI. SOUTH OF SR 2313 (WILSHIRE BLVD.) MP 3.56-MP 4.73	9,10	NO	1.17	74	6	1	110	77		100	25		1		4	20	23			*	
TOTAL FOR MAP NO. 4							1.17		6	1	110	77		100	25		1		4	20	23			*	
3CR.10651.138	NewHanover	5	US 117 SBL (SHIPYARD BOULEVARD)	FROM NC 132 (S. COLLEGE ROAD) TO 0.20 MI. EAST OF US 421 (CAROLINA BEACH ROAD) MP 11.85-MP 14.49	11,12,13,14	YES	2.64	36	3	1					3					8	13			*	
TOTAL FOR MAP NO. 5							2.64		3	1					3					8	13			*	
3CR.10651.138	NewHanover	6	US 117 NBL (SHIPYARD BOULEVARD)	FROM 0.05 MI. EAST OF US 421 (CAROLINA BEACH ROAD) TO NC 132 (S. COLLEGE ROAD) MP 0.86-MP 3.56	15-18	NO	2.73	36	2	3			28	50	4	4	2	1		17	19	6.00		*	
TOTAL FOR MAP NO. 6							2.73		2	3			28	50	4	4	2	1		17	19	6.00		*	
3CR.10651.138	NewHanover	7	US 74 EBL (EASTWOOD ROAD)	FROM 0.17 MI. WEST OF SR 1409 (MILITARY CUTOFF) TO END DIVIDED SECTION MP 8.69-MP 9.55	4,9	NO	0.86	36	3	1				80	1		1			4	3			*	
TOTAL FOR MAP NO. 7							0.86		3	1				80	1		1			4	3			*	
3CR.10651.138	NewHanover	8	US 74 WBL (EASTWOOD ROAD)	FROM END DIVIDED SECTION TO 0.17 MI. WEST OF SR 1409 (MILITARY CUTOFF) MP 3.56-MP 4.37	9	NO	0.86	24	3	3				90	2					3	2			*	
TOTAL FOR MAP NO. 8							0.86		3	3				90	2					3	2			*	
3CR.10651.138	NewHanover	9	US 74 (EASTWOOD ROAD)	FROM END DIVIDED HIGHWAY TO I.C.W.W. BRIDGE MP 9.55-MP 10.84	9	NO	1.29	76	1	1					10		2			5	5			*	
TOTAL FOR MAP NO. 9							1.29		1	1					10		2			5	5			*	
3CR.10651.138	NewHanover	10	US 74 EBL (EASTWOOD ROAD)	FROM I.C.W.W. BRIDGE TO END DIVIDED HIGHWAY (0.34 MI. EAST OF BRIDGE) MP 10.12-MP MP 10.46	9	NO	0.34	24																*	
TOTAL FOR MAP NO. 10							0.34																	*	
3CR.10651.138	NewHanover	11	US 74 WBL (EASTWOOD ROAD)	FROM END DIVIDED HIGHWAY (0.34 MI. EAST OF BRIDGE) TO I.C.W.W. BRIDGE MP 2.66-MP 2.99	9	NO	0.33	24																*	
TOTAL FOR MAP NO. 11							0.33																	*	
3CR.10651.138	NewHanover	12	US 76 (OLEANDER DRIVE)	FROM 0.05 MI. WEST OF OF HAWTHORNE DRIVE TO 0.15 MI. SOUTH OF US 74 (EASTWOOD ROAD) MP 5.70-MP 8.47	9,11,18,19	NO	2.77	73		2					1				2	5	5			*	
TOTAL FOR MAP NO. 12							2.77			2					1				2	5	5			*	
TOTAL FOR PROJ NO. 3CR.10651.138							14.24		18	12	110	77	28	320	46	4	6	1	6	62	70	6.00		1.00	
3CR.20101.138	Brunswick	13	SR 1340 (EXUM ROAD)	FROM SR 1335 (BIG NECK RD.) TO EXUM RD./CAMP BRANCH RD. INTERSECTION MP 0.00-MP 4.15	MILL PATCH	NO	4.15	18																	
TOTAL FOR MAP NO. 13							4.15																		
3CR.20101.138	Brunswick	14	SR 1119 (STANLEY ROAD)	FROM SR 1130 (MT. PISGAH RD.) TO CEDAR GROVE MIDDLE SCHOOL MP 0.00-MP 2.80	20	NO	2.8	22																	
TOTAL FOR MAP NO. 14							2.8																		
3CR.20101.138	Brunswick	15	SR 1132 (CIVIETOWN ROAD)	FROM NC 130 (HOLDEN BEACH RD.) TO SR 1130 (MT. PISGAH RD.) MP 0.00-MP 2.30	20	NO	2.3	22																	

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	42	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	STONE FOR EC CLASS B TON	SEDIMENT CONTROL STONE TON	TEMPORARY MULCHING ACR	SEED FOR TEMPORARY SEEDING LBS	SILT EXCAVATION CY	MATTING FOR EROSION CONTROL SY	1/4" HARDWARE CLOTH LF	WATTLE LF	SEED & MULCHING AC	SEED FOR REPAIR SEEDING LB	FERTILIZER FOR REPAIR SEEDING TON	SIGNAL CABLE LF	VEHICLE SIGNAL HEAD (12", 3 SECTION) EA	VEHICLE SIGNAL HEAD (12", 5 SECTION) EA	MESSENGER CABLE (3/8") LF	UNPAVED TRENCHING (1 CONDUIT, 2") LF	JUNCTION BOX (STANDARD SIZE) EA
3CR.10101.138	Brunswick	1	NC 133	FROM SR 1518 (DAW'S CREEK RD.) TO 0.33 MI. SOUTH OR SR 1554 (RIVER RD.) MP 19.47-MP 26.67	1,2,3,5,6	YES	7.171	30	349	349	10.15			90	698	210	10.15	698	3.50						
TOTAL FOR MAP NO. 1							7.171		349	349	10.15			90	698	210	10.15	698	3.50						
TOTAL FOR PROJ NO. 3CR.10101.138							7.171		349	349	10.15			90	698	210	10.15	698	3.50						
3CR.10651.138	NewHanover	2	US 117/NC 132 SBL (N. COLLEGE ROAD)	FROM 0.18 MI. SOUTH OF SR 1322 (MURRAYVILLE ROAD) TO SR 2048 (GORDON ROAD) MP 5.84-MP 6.46	4,7,8	NO	0.62	34																	
TOTAL FOR MAP NO. 2							0.62																		
3CR.10651.138	NewHanover	3	US 117/NC 132 NBL (N. COLLEGE ROAD)	FROM SR 2048 (GORDON ROAD) TO 0.18 MI. SOUTH OF SR 1322 (MURRAYVILLE ROAD) MP 9.10-MP 9.73	4,7,8	NO	0.63	28																	
TOTAL FOR MAP NO. 3							0.63																		
3CR.10651.138	NewHanover	4	US 117/NC 132 (S. COLLEGE ROAD)	FROM US 117 (SHIPYARD BLVD.) TO 0.07 MI. SOUTH OF SR 2313 (WILSHIRE BLVD.) MP 3.56-MP 4.73	9,10	NO	1.17	74																	5
TOTAL FOR MAP NO. 4							1.17																		5
3CR.10651.138	NewHanover	5	US 117 SBL (SHIPYARD BOULEVARD)	FROM NC 132 (S. COLLEGE ROAD) TO 0.20 MI. EAST OF US 421 (CAROLINA BEACH ROAD) MP 11.85-MP 14.49	11,12,13,14	YES	2.64	36																	2
TOTAL FOR MAP NO. 5							2.64																		2
3CR.10651.138	NewHanover	6	US 117 NBL (SHIPYARD BOULEVARD)	FROM 0.05 MI. EAST OF US 421 (CAROLINA BEACH ROAD) TO NC 132 (S. COLLEGE ROAD) MP 0.86-MP 3.56	15-18	NO	2.73	36																	2
TOTAL FOR MAP NO. 6							2.73																		2
3CR.10651.138	NewHanover	7	US 74 EBL (EASTWOOD ROAD)	FROM 0.17 MI. WEST OF SR 1409 (MILITARY CUTOFF) TO END DIVIDED SECTION MP 8.69-MP 9.55	4,9	NO	0.86	36																	
TOTAL FOR MAP NO. 7							0.86																		
3CR.10651.138	NewHanover	8	US 74 WBL (EASTWOOD ROAD)	FROM END DIVIDED SECTION TO 0.17 MI. WEST OF SR 1409 (MILITARY CUTOFF) MP 3.56-MP 4.37	9	NO	0.86	24																	
TOTAL FOR MAP NO. 8							0.86																		
3CR.10651.138	NewHanover	9	US 74 (EASTWOOD ROAD)	FROM END DIVIDED HIGHWAY TO I.C.W.W. BRIDGE MP 9.55-MP 10.84	9	NO	1.29	76																	
TOTAL FOR MAP NO. 9							1.29																		
3CR.10651.138	NewHanover	10	US 74 EBL (EASTWOOD ROAD)	FROM I.C.W.W. BRIDGE TO END DIVIDED HIGHWAY (0.34 MI. EAST OF BRIDGE) MP 10.12-MP MP 10.46	9	NO	0.34	24																	
TOTAL FOR MAP NO. 10							0.34																		
3CR.10651.138	NewHanover	11	US 74 WBL (EASTWOOD ROAD)	FROM END DIVIDED HIGHWAY (0.34 MI. EAST OF BRIDGE) TO I.C.W.W. BRIDGE MP 2.66-MP 2.99	9	NO	0.33	24																	
TOTAL FOR MAP NO. 11							0.33																		
3CR.10651.138	NewHanover	12	US 76 (OLEANDER DRIVE)	FROM 0.05 MI. WEST OF OF HAWTHORNE DRIVE TO 0.15 MI. SOUTH OF US 74 (EASTWOOD ROAD) MP 5.70-MP 8.47	9,11,18,19	NO	2.77	73																	2
TOTAL FOR MAP NO. 12							2.77																		2
TOTAL FOR PROJ NO. 3CR.10651.138							14.24																		11
3CR.20101.138	Brunswick	13	SR 1340 (EXUM ROAD)	FROM SR 1335 (BIG NECK RD.) TO EXUM RD./CAMP BRANCH RD. INTERSECTION MP 0.00-MP 4.15	MILL PATCH	NO	4.15	18																	
TOTAL FOR MAP NO. 13							4.15																		
3CR.20101.138	Brunswick	14	SR 1119 (STANLEY ROAD)	FROM SR 1130 (MT. PISGAH RD.) TO CEDAR GROVE MIDDLE SCHOOL MP 0.00-MP 2.80	20	NO	2.8	22																	
TOTAL FOR MAP NO. 14							2.8																		
3CR.20101.138	Brunswick	15	SR 1132 (CIVIETOWN ROAD)	FROM NC 130 (HOLDEN BEACH RD.) TO SR 1130 (MT. PISGAH RD.) MP 0.00-MP 2.30	20	NO	2.3	22																	

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	43	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	WOOD POLE EA	GUY ASSEMBLY EA	2" RISER WITH WEATHERHEAD EA	INDUCTIVE LOOP SAWCUT LF	LEAD-IN CABLE (14-2) LF	SIGN FOR SIGNALS EA	DETECTOR CARD (TYPE 2070L) EA
3CR.10101.138	Brunswick	1	NC 133	FROM SR 1518 (DAW'S CREEK RD.) TO 0.33 MI. SOUTH OR SR 1554 (RIVER RD.) MP 19.47-MP 26.67	1,2,3,5,6	YES	7.171	30							
TOTAL FOR MAP NO. 1							7.171								
TOTAL FOR PROJ NO. 3CR.10101.138							7.171								
3CR.10651.138	NewHanover	2	US 117/NC 132 SBL (N. COLLEGE ROAD)	FROM 0.18 MI. SOUTH OF SR 1322 (MURRAYVILLE ROAD) TO SR 2048 (GORDON ROAD) MP 5.84-MP 6.46	4,7,8	NO	0.62	34				460			
TOTAL FOR MAP NO. 2							0.62					460			
3CR.10651.138	NewHanover	3	US 117/NC 132 NBL (N. COLLEGE ROAD)	FROM SR 2048 (GORDON ROAD) TO 0.18 MI. SOUTH OF SR 1322 (MURRAYVILLE ROAD) MP 9.10-MP 9.73	4,7,8	NO	0.63	28				250			
TOTAL FOR MAP NO. 3							0.63					250			
3CR.10651.138	NewHanover	4	US 117/NC 132 (S. COLLEGE ROAD)	FROM US 117 (SHIPYARD BLVD.) TO 0.07 MI. SOUTH OF SR 2313 (WILSHIRE BLVD.) MP 3.56-MP 4.73	9,10	NO	1.17	74				3,270	650		
TOTAL FOR MAP NO. 4							1.17					3,270	650		
3CR.10651.138	NewHanover	5	US 117 SBL (SHIPYARD BOULEVARD)	FROM NC 132 (S. COLLEGE ROAD) TO 0.20 MI. EAST OF US 421 (CAROLINA BEACH ROAD) MP 11.85-MP 14.49	11,12,13,14	YES	2.64	36				3,200	600		
TOTAL FOR MAP NO. 5							2.64					3,200	600		
3CR.10651.138	NewHanover	6	US 117 NBL (SHIPYARD BOULEVARD)	FROM 0.05 MI. EAST OF US 421 (CAROLINA BEACH ROAD) TO NC 132 (S. COLLEGE ROAD) MP 0.86-MP 3.56	15-18	NO	2.73	36				3,625	550		
TOTAL FOR MAP NO. 6							2.73					3,625	550		
3CR.10651.138	NewHanover	7	US 74 EBL (EASTWOOD ROAD)	FROM 0.17 MI. WEST OF SR 1409 (MILITARY CUTOFF) TO END DIVIDED SECTION MP 8.69-MP 9.55	4,9	NO	0.86	36				1,500	1,125		
TOTAL FOR MAP NO. 7							0.86					1,500	1,125		
3CR.10651.138	NewHanover	8	US 74 WBL (EASTWOOD ROAD)	FROM END DIVIDED SECTION TO 0.17 MI. WEST OF SR 1409 (MILITARY CUTOFF) MP 3.56-MP 4.37	9	NO	0.86	24				1,625	1,125		
TOTAL FOR MAP NO. 8							0.86					1,625	1,125		
3CR.10651.138	NewHanover	9	US 74 (EASTWOOD ROAD)	FROM END DIVIDED HIGHWAY TO I.C.W.W. BRIDGE MP 9.55-MP 10.84	9	NO	1.29	76				900			
TOTAL FOR MAP NO. 9							1.29					900			
3CR.10651.138	NewHanover	10	US 74 EBL (EASTWOOD ROAD)	FROM I.C.W.W. BRIDGE TO END DIVIDED HIGHWAY (0.34 MI. EAST OF BRIDGE) MP 10.12-MP MP 10.46	9	NO	0.34	24							
TOTAL FOR MAP NO. 10							0.34								
3CR.10651.138	NewHanover	11	US 74 WBL (EASTWOOD ROAD)	FROM END DIVIDED HIGHWAY (0.34 MI. EAST OF BRIDGE) TO I.C.W.W. BRIDGE MP 2.66-MP 2.99	9	NO	0.33	24							
TOTAL FOR MAP NO. 11							0.33								
3CR.10651.138	NewHanover	12	US 76 (OLEANDER DRIVE)	FROM 0.05 MI. WEST OF OF HAWTHORNE DRIVE TO 0.15 MI. SOUTH OF US 74 (EASTWOOD ROAD) MP 5.70-MP 8.47	9,11,18,19	NO	2.77	73				3,550	600		
TOTAL FOR MAP NO. 12							2.77					3,550	600		
TOTAL FOR PROJ NO. 3CR.10651.138							14.24					18,380	4,650		
3CR.20101.138	Brunswick	13	SR 1340 (EXUM ROAD)	FROM SR 1335 (BIG NECK RD.) TO EXUM RD./CAMP BRANCH RD. INTERSECTION MP 0.00-MP 4.15	MILL PATCH	NO	4.15	18							
TOTAL FOR MAP NO. 13							4.15								
3CR.20101.138	Brunswick	14	SR 1119 (STANLEY ROAD)	FROM SR 1130 (MT. PISGAH RD.) TO CEDAR GROVE MIDDLE SCHOOL MP 0.00-MP 2.80	20	NO	2.8	22							
TOTAL FOR MAP NO. 14							2.8								
3CR.20101.138	Brunswick	15	SR 1132 (CIVIETOWN ROAD)	FROM NC 130 (HOLDEN BEACH RD.) TO SR 1130 (MT. PISGAH RD.) MP 0.00-MP 2.30	20	NO	2.3	22							

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	44	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	GRADING LS	BORROW EXC. CY	FOUND. COND. MAT., MINOR STRS TON	FOUND. COND. GEO-TEXTILE SY	12" RC PIPE CULVERTS, CLASS IV LF	INC. STONE BASE TONS	SHOULDER RECONST. SMI	2 1/2" MILLING SY	1 1/2" MILLING SY	2" MILLING SY	4" MILLING SY	1/2" MILLING SY	INC. MILLING SY	BASE COURSE, B25.0B TONS	BASE COURSE, B25.0C TONS	INT. COURSE, I19.0B TONS	INT. COURSE, I19.0C TONS
TOTAL FOR MAP NO. 15							2.3							75								1,177			
3CR.20101.138	Brunswick	16	SR 1184 (OCEAN ISLE BEACH ROAD)	FROM US 17 TO 0.27 FROM NC 179 MP 0.00-MP 3.28	21, MP	NO	3.29	28								9,527								1,437	
TOTAL FOR MAP NO. 16							3.29									9,527								1,437	
TOTAL FOR PROJ NO. 3CR.20101.138							12.54							275		9,527						3,340		1,437	
3CR.20651.138	NewHanover	17	SR 1302 (23RD STREET)	FROM END C&G (NORTH RADII) AIRPORT BLVD. TO NC 133 (CASTLE HAYNE RD.) MP 2.04-MP 2.56	22	NO	0.52	37						22											
TOTAL FOR MAP NO. 17							0.52							22											
3CR.20651.138	NewHanover	18	SR 1175 (KERR AVENUE)	FROM 150' NORTH OF GREENTREE ROAD TO SR 1322 (N. KERR AVENUE) MP 3.15-MP 5.89	4,22	NO	2.74	32						65			7,322								
TOTAL FOR MAP NO. 18							2.74							65			7,322								
3CR.20651.138	NewHanover	19	SR 1327 (FARLEY DRIVE)	FROM SR 1322 (N. KERR AVENUE TO SR 1175 (KERR AVENUE) MP 0.00-MP 0.26	23	NO	0.26	22																	
TOTAL FOR MAP NO. 19							0.26																		
3CR.20651.138	NewHanover	20	SR 1518 (WHIPPORWILL LANE)	FROM SR 1492 (MASONBORO LOOP ROAD) TO DEAD END MP 0.00-MP 0.40	23	NO	0.4	20																	
TOTAL FOR MAP NO. 20							0.4																		
3CR.20651.138	NewHanover	21	SR 1620 (CHANNEL HAVEN DRIVE)	FROM SR 1492 (MASONBORO LOOP ROAD) TO SR 1621 (CHANNEL HAVEN DRIVE) MP 0.00-MP 0.05	24	NO	0.05	20																	
TOTAL FOR MAP NO. 21							0.05																		
3CR.20651.138	NewHanover	22	SR 1621 (CHANNEL HAVEN DRIVE)	FROM SR 1622 (AQUA DRIVE) TO SR 1623 (MARSH HEN DRIVE) MP 0.00-MP 0.43	24	NO	0.43	10																	
TOTAL FOR MAP NO. 22							0.43																		
3CR.20651.138	NewHanover	23	SR 1622 (AQUA DRIVE)	FROM SR 1621 (CHANNEL HAVEN DRIVE) TO END MAINTENANCE MP 0.00-MP 0.52	24	NO	0.52	18																	
TOTAL FOR MAP NO. 23							0.52																		
3CR.20651.138	NewHanover	24	SR 1623 (MARSH HEN DRIVE)	FROM DEAD END TO END MAINTENANCE MP 0.00-MP 0.18	24	NO	0.18	18																	
TOTAL FOR MAP NO. 24							0.18																		
3CR.20651.138	NewHanover	25	SR 1706 (BRIGHTON ROAD)	FROM SR 1643 (HORNDALE ROAD) TO END MAINTENANCE MP 0.20-MP 0.32	24	NO	0.12	20																	
TOTAL FOR MAP NO. 25							0.12																		
3CR.20651.138	NewHanover	26	SR 1707 (CORNWELL COURT)	FROM SR 1706 (BRIGHTON ROAD) TO DEAD END MP 0.00-MP 0.05	24	NO	0.05	20																	
TOTAL FOR MAP NO. 26							0.05																		
3CR.20651.138	NewHanover	27	SR 2009 (SHELLEY DRIVE)	FROM SR 2006 (BROWNING ROAD) TO SR 2016 (LORD THOMAS ROAD) MP 0.12-MP 0.41	23	NO	0.29	20																	
TOTAL FOR MAP NO. 27							0.29																		
3CR.20651.138	NewHanover	28	SR 2217 (GOLDEN ROD DRIVE)	FROM SR 2269 (BIRD'S NEST COURT) TO SR 2218 (SILKWOOD COURT) MP 0.08-MP 0.22	23	NO	0.14	20																	
TOTAL FOR MAP NO. 28							0.14																		
3CR.20651.138	NewHanover	29	SR 1409 (MILITARY CUTOFF ROAD)	FROM US 74 (EASTWOOD ROAD) TO 0.17 MI. NORTH OF US 74 (EASTWOOD ROAD) MP 0.00-MP 0.17	9	NO	0.17	78									7,780								
TOTAL FOR MAP NO. 29							0.17										7,780								
3CR.20651.138	NewHanover	30	SR 2048 (GORDON ROAD)	FROM SR 1175 (KERR AVENUE) TO I-40 EASTBOUND RAMP MP 0.00-MP 0.69	22	NO	0.69	30						15											
TOTAL FOR MAP NO. 30							0.69							15											
3CR.20651.138	NewHanover	31	SR 2048 WBL (GORDON ROAD)	FROM 0.20 MI. EAST OF US 117/NC 132 TO US 117/NC 132 INTERSECTION MP 0.89-MP 0.69	8	NO	0.2	30						15			3,291								
TOTAL FOR MAP NO. 31							0.2							15			3,291								
3CR.20651.138	NewHanover	32	SR 2048 EBL (GORDON ROAD)	FROM US 117/NC 132 INTERSECTION TO 0.20 MI. EAST OF US 117/NC 132 MP 0.69-MP 0.89	7	NO	0.21	30						15			3,449								
TOTAL FOR MAP NO. 32							0.21							15			3,449								

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	45	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, S9.5C TONS	LEVELING COURSE, S9.5C TONS	SURFACE COURSE, SF9.5A TONS	ASPHALT CONC SURFACE COURSE,TYPE S4.75A(LEVELING) TON	ASPHALT BINDER FOR PLANT MIX TON	PATCHING EXISTING PAVEMENT (MILL) TON	PATCHING EXISTING PAVEMENT (FULL DEPTH) TONS	PATCHING EXISTING PAVEMENT S9.5B (MILL PATCH) TON	PATCHING EXISTING PAVEMENT I19.0B (MILL PATCH) TON	PAVEMENT INTERLAYER SY	MASONRY DRAINAGE STRUCTURE EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE E EA	FRAME WITH COVER, STD 840.54 EA	1'-6" CONCRETE CURB & GUTTER LF	2'-6" CONCRETE CURB & GUTTER LF	4" CONCRETE SIDEWALK SY
TOTAL FOR MAP NO. 15							2.3					2,709		233											
3CR.20101.138	Brunswick	16	SR 1184 (OCEAN ISLE BEACH ROAD)	FROM US 17 TO 0.27 FROM NC 179 MP 0.00-MP 3.28	21, MP	NO	3.29	28						69		10		325							
TOTAL FOR MAP NO. 16							3.29							69		10		325							
TOTAL FOR PROJ NO. 3CR.20101.138							12.54					6,007		618		170	1,575	325							
3CR.20651.138	NewHanover	17	SR 1302 (23RD STREET)	FROM END C&G (NORTH RADII) AIRPORT BLVD. TO NC 133 (CASTLE HAYNE RD.) MP 2.04-MP 2.56	22	NO	0.52	37	1,034					61											
TOTAL FOR MAP NO. 17							0.52		1,034					61											
3CR.20651.138	NewHanover	18	SR 1175 (KERR AVENUE)	FROM 150' NORTH OF GREENTREE ROAD TO SR 1322 (N. KERR AVENUE) MP 3.15-MP 5.89	4,22	NO	2.74	32	4,223					254											
TOTAL FOR MAP NO. 18							2.74		4,223					254											
3CR.20651.138	NewHanover	19	SR 1327 (FARLEY DRIVE)	FROM SR 1322 (N. KERR AVENUE TO SR 1175 (KERR AVENUE) MP 0.00-MP 0.26	23	NO	0.26	22				306		21											
TOTAL FOR MAP NO. 19							0.26					306		21											
3CR.20651.138	NewHanover	20	SR 1518 (WHIPPORWILL LANE)	FROM SR 1492 (MASONBORO LOOP ROAD) TO DEAD END MP 0.00-MP 0.40	23	NO	0.4	20				429		29											
TOTAL FOR MAP NO. 20							0.4					429		29											
3CR.20651.138	NewHanover	21	SR 1620 (CHANNEL HAVEN DRIVE)	FROM SR 1492 (MASONBORO LOOP ROAD) TO SR 1621 (CHANNEL HAVEN DRIVE) MP 0.00-MP 0.05	24	NO	0.05	20				36		2											
TOTAL FOR MAP NO. 21							0.05					36		2											
3CR.20651.138	NewHanover	22	SR 1621 (CHANNEL HAVEN DRIVE)	FROM SR 1622 (AQUA DRIVE) TO SR 1623 (MARSH HEN DRIVE) MP 0.00-MP 0.43	24	NO	0.43	10				154		10											
TOTAL FOR MAP NO. 22							0.43					154		10											
3CR.20651.138	NewHanover	23	SR 1622 (AQUA DRIVE)	FROM SR 1621 (CHANNEL HAVEN DRIVE) TO END MAINTENANCE MP 0.00-MP 0.52	24	NO	0.52	18				334		22											
TOTAL FOR MAP NO. 23							0.52					334		22											
3CR.20651.138	NewHanover	24	SR 1623 (MARSH HEN DRIVE)	FROM DEAD END TO END MAINTENANCE MP 0.00-MP 0.18	24	NO	0.18	18				116		8											
TOTAL FOR MAP NO. 24							0.18					116		8											
3CR.20651.138	NewHanover	25	SR 1706 (BRIGHTON ROAD)	FROM SR 1643 (HORNDALE ROAD) TO END MAINTENANCE MP 0.20-MP 0.32	24	NO	0.12	20				86		6											
TOTAL FOR MAP NO. 25							0.12					86		6											
3CR.20651.138	NewHanover	26	SR 1707 (CORNWELL COURT)	FROM SR 1706 (BRIGHTON ROAD) TO DEAD END MP 0.00-MP 0.05	24	NO	0.05	20				36		2											
TOTAL FOR MAP NO. 26							0.05					36		2											
3CR.20651.138	NewHanover	27	SR 2009 (SHELLEY DRIVE)	FROM SR 2006 (BROWNING ROAD) TO SR 2016 (LORD THOMAS ROAD) MP 0.12-MP 0.41	23	NO	0.29	20				311		21											
TOTAL FOR MAP NO. 27							0.29					311		21											
3CR.20651.138	NewHanover	28	SR 2217 (GOLDEN ROD DRIVE)	FROM SR 2269 (BIRD'S NEST COURT) TO SR 2218 (SILKWOOD COURT) MP 0.08-MP 0.22	23	NO	0.14	20				150		10											
TOTAL FOR MAP NO. 28							0.14					150		10											
3CR.20651.138	NewHanover	29	SR 1409 (MILITARY CUTOFF ROAD)	FROM US 74 (EASTWOOD ROAD) TO 0.17 MI. NORTH OF US 74 (EASTWOOD ROAD) MP 0.00-MP 0.17	9	NO	0.17	78		720				42											
TOTAL FOR MAP NO. 29							0.17			720				42											
3CR.20651.138	NewHanover	30	SR 2048 (GORDON ROAD)	FROM SR 1175 (KERR AVENUE) TO I-40 EASTBOUND RAMP MP 0.00-MP 0.69	22	NO	0.69	30	932				255	74											
TOTAL FOR MAP NO. 30							0.69		932				255	74											
3CR.20651.138	NewHanover	31	SR 2048 WBL (GORDON ROAD)	FROM 0.20 MI. EAST OF US 117/NC 132 TO US 117/NC 132 INTERSECTION MP 0.89-MP 0.69	8	NO	0.2	30	306					18											
TOTAL FOR MAP NO. 31							0.2		306					18											
3CR.20651.138	NewHanover	32	SR 2048 EBL (GORDON ROAD)	FROM US 117/NC 132 INTERSECTION TO 0.20 MI. EAST OF US 117/NC 132 MP 0.69-MP 0.89	7	NO	0.21	30	320					19											
TOTAL FOR MAP NO. 32							0.21		320					19											

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	46	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	RETROFIT EXISTING CURB RAMP EA	CONCRETE CURB RAMP EA	5" MONOLITHIC CONCRETE ISLANDS(SURFACE MOUNTED) SY	REMOVAL OF CONCRETE ISLAND SY	REMOVAL OF 1'-6" CURB & GUTTER LF	REMOVE & REPLACE 2'-6" CURB & GUTTER LF	REMOVE & REPLACE CURB RAMP EA	ADJ. OF MEDIAN DROP INLET EA	REMOVE CURB RAMPS EA	ADJ. OF CATCH BASIN EA	ADJ. OF MON EA	ADJ. OF MANHOLES EA	ADJUSTMENT OF METER OR VALVE BOX EA	CONVERT EXISTING DROP INLET TOJUNCTION BOX WITH MANHOLE EA	RELOCATE FIRE HYDRANT EA	PORTABLE LIGHTING LS	TEMPORARY SILT FENCE LF
TOTAL FOR MAP NO. 15							2.3																		
3CR.20101.138	Brunswick	16	SR 1184 (OCEAN ISLE BEACH ROAD)	FROM US 17 TO 0.27 FROM NC 179 MP 0.00-MP 3.28	21, MP	NO	3.29	28																	
TOTAL FOR MAP NO. 16							3.29																		
TOTAL FOR PROJ NO. 3CR.20101.138							12.54																		
3CR.20651.138	NewHanover	17	SR 1302 (23RD STREET)	FROM END C&G (NORTH RADII) AIRPORT BLVD. TO NC 133 (CASTLE HAYNE RD.) MP 2.04-MP 2.56	22	NO	0.52	37																	
TOTAL FOR MAP NO. 17							0.52																		
3CR.20651.138	NewHanover	18	SR 1175 (KERR AVENUE)	FROM 150' NORTH OF GREENTREE ROAD TO SR 1322 (N. KERR AVENUE) MP 3.15-MP 5.89	4,22	NO	2.74	32												1					
TOTAL FOR MAP NO. 18							2.74													1					
3CR.20651.138	NewHanover	19	SR 1327 (FARLEY DRIVE)	FROM SR 1322 (N. KERR AVENUE TO SR 1175 (KERR AVENUE) MP 0.00-MP 0.26	23	NO	0.26	22																	
TOTAL FOR MAP NO. 19							0.26																		
3CR.20651.138	NewHanover	20	SR 1518 (WHIPPORWILL LANE)	FROM SR 1492 (MASONBORO LOOP ROAD) TO DEAD END MP 0.00-MP 0.40	23	NO	0.4	20																	
TOTAL FOR MAP NO. 20							0.4																		
3CR.20651.138	NewHanover	21	SR 1620 (CHANNEL HAVEN DRIVE)	FROM SR 1492 (MASONBORO LOOP ROAD) TO SR 1621 (CHANNEL HAVEN DRIVE) MP 0.00-MP 0.05	24	NO	0.05	20																	
TOTAL FOR MAP NO. 21							0.05																		
3CR.20651.138	NewHanover	22	SR 1621 (CHANNEL HAVEN DRIVE)	FROM SR 1622 (AQUA DRIVE) TO SR 1623 (MARSH HEN DRIVE) MP 0.00-MP 0.43	24	NO	0.43	10																	
TOTAL FOR MAP NO. 22							0.43																		
3CR.20651.138	NewHanover	23	SR 1622 (AQUA DRIVE)	FROM SR 1621 (CHANNEL HAVEN DRIVE) TO END MAINTENANCE MP 0.00-MP 0.52	24	NO	0.52	18																	
TOTAL FOR MAP NO. 23							0.52																		
3CR.20651.138	NewHanover	24	SR 1623 (MARSH HEN DRIVE)	FROM DEAD END TO END MAINTENANCE MP 0.00-MP 0.18	24	NO	0.18	18																	
TOTAL FOR MAP NO. 24							0.18																		
3CR.20651.138	NewHanover	25	SR 1706 (BRIGHTON ROAD)	FROM SR 1643 (HORNDALE ROAD) TO END MAINTENANCE MP 0.20-MP 0.32	24	NO	0.12	20																	
TOTAL FOR MAP NO. 25							0.12																		
3CR.20651.138	NewHanover	26	SR 1707 (CORNWELL COURT)	FROM SR 1706 (BRIGHTON ROAD) TO DEAD END MP 0.00-MP 0.05	24	NO	0.05	20																	
TOTAL FOR MAP NO. 26							0.05																		
3CR.20651.138	NewHanover	27	SR 2009 (SHELLEY DRIVE)	FROM SR 2006 (BROWNING ROAD) TO SR 2016 (LORD THOMAS ROAD) MP 0.12-MP 0.41	23	NO	0.29	20																	
TOTAL FOR MAP NO. 27							0.29																		
3CR.20651.138	NewHanover	28	SR 2217 (GOLDEN ROD DRIVE)	FROM SR 2269 (BIRD'S NEST COURT) TO SR 2218 (SILKWOOD COURT) MP 0.08-MP 0.22	23	NO	0.14	20																	
TOTAL FOR MAP NO. 28							0.14																		
3CR.20651.138	NewHanover	29	SR 1409 (MILITARY CUTOFF ROAD)	FROM US 74 (EASTWOOD ROAD) TO 0.17 MI. NORTH OF US 74 (EASTWOOD ROAD) MP 0.00-MP 0.17	9	NO	0.17	78																	
TOTAL FOR MAP NO. 29							0.17																		
3CR.20651.138	NewHanover	30	SR 2048 (GORDON ROAD)	FROM SR 1175 (KERR AVENUE) TO I-40 EASTBOUND RAMP MP 0.00-MP 0.69	22	NO	0.69	30													1				
TOTAL FOR MAP NO. 30							0.69														1				
3CR.20651.138	NewHanover	31	SR 2048 WBL (GORDON ROAD)	FROM 0.20 MI. EAST OF US 117/NC 132 TO US 117/NC 132 INTERSECTION MP 0.89-MP 0.69	8	NO	0.2	30																	
TOTAL FOR MAP NO. 31							0.2																		
3CR.20651.138	NewHanover	32	SR 2048 EBL (GORDON ROAD)	FROM US 117/NC 132 INTERSECTION TO 0.20 MI. EAST OF US 117/NC 132 MP 0.69-MP 0.89	7	NO	0.21	30																	
TOTAL FOR MAP NO. 32							0.21																		

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	47	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	STONE FOR EC CLASS B TON	SEDIMENT CONTROL STONE TON	TEMPORARY MULCHING ACR	SEED FOR TEMPORARY SEEDING LBS	SILT EXCAVATION CY	MATTING FOR EROSION CONTROL SY	1/4" HARDWARE CLOTH LF	WATTLE LF	SEED & MULCHING AC	SEED FOR REPAIR SEEDING LB	FERTILIZER FOR REPAIR SEEDING TON	SIGNAL CABLE LF	VEHICLE SIGNAL HEAD (12", 3 SECTION) EA	VEHICLE SIGNAL HEAD (12", 5 SECTION) EA	MESSENGER CABLE (3/8") LF	UNPAVED TRENCHING (1 CONDUIT, 2") LF	JUNCTION BOX (STANDARD SIZE) EA
TOTAL FOR MAP NO. 15							2.3																		
3CR.20101.138	Brunswick	16	SR 1184 (OCEAN ISLE BEACH ROAD)	FROM US 17 TO 0.27 FROM NC 179 MP 0.00-MP 3.28	21, MP	NO	3.29	28																	
TOTAL FOR MAP NO. 16							3.29																		
TOTAL FOR PROJ NO. 3CR.20101.138							12.54																		
3CR.20651.138	NewHanover	17	SR 1302 (23RD STREET)	FROM END C&G (NORTH RADII) AIRPORT BLVD. TO NC 133 (CASTLE HAYNE RD.) MP 2.04-MP 2.56	22	NO	0.52	37																	
TOTAL FOR MAP NO. 17							0.52																		
3CR.20651.138	NewHanover	18	SR 1175 (KERR AVENUE)	FROM 150' NORTH OF GREENTREE ROAD TO SR 1322 (N. KERR AVENUE) MP 3.15-MP 5.89	4,22	NO	2.74	32																	
TOTAL FOR MAP NO. 18							2.74																		
3CR.20651.138	NewHanover	19	SR 1327 (FARLEY DRIVE)	FROM SR 1322 (N. KERR AVENUE TO SR 1175 (KERR AVENUE) MP 0.00-MP 0.26	23	NO	0.26	22																	
TOTAL FOR MAP NO. 19							0.26																		
3CR.20651.138	NewHanover	20	SR 1518 (WHIPPORWILL LANE)	FROM SR 1492 (MASONBORO LOOP ROAD) TO DEAD END MP 0.00-MP 0.40	23	NO	0.4	20																	
TOTAL FOR MAP NO. 20							0.4																		
3CR.20651.138	NewHanover	21	SR 1620 (CHANNEL HAVEN DRIVE)	FROM SR 1492 (MASONBORO LOOP ROAD) TO SR 1621 (CHANNEL HAVEN DRIVE) MP 0.00-MP 0.05	24	NO	0.05	20																	
TOTAL FOR MAP NO. 21							0.05																		
3CR.20651.138	NewHanover	22	SR 1621 (CHANNEL HAVEN DRIVE)	FROM SR 1622 (AQUA DRIVE) TO SR 1623 (MARSH HEN DRIVE) MP 0.00-MP 0.43	24	NO	0.43	10																	
TOTAL FOR MAP NO. 22							0.43																		
3CR.20651.138	NewHanover	23	SR 1622 (AQUA DRIVE)	FROM SR 1621 (CHANNEL HAVEN DRIVE) TO END MAINTENANCE MP 0.00-MP 0.52	24	NO	0.52	18																	
TOTAL FOR MAP NO. 23							0.52																		
3CR.20651.138	NewHanover	24	SR 1623 (MARSH HEN DRIVE)	FROM DEAD END TO END MAINTENANCE MP 0.00-MP 0.18	24	NO	0.18	18																	
TOTAL FOR MAP NO. 24							0.18																		
3CR.20651.138	NewHanover	25	SR 1706 (BRIGHTON ROAD)	FROM SR 1643 (HORNDALE ROAD) TO END MAINTENANCE MP 0.20-MP 0.32	24	NO	0.12	20																	
TOTAL FOR MAP NO. 25							0.12																		
3CR.20651.138	NewHanover	26	SR 1707 (CORNWELL COURT)	FROM SR 1706 (BRIGHTON ROAD) TO DEAD END MP 0.00-MP 0.05	24	NO	0.05	20																	
TOTAL FOR MAP NO. 26							0.05																		
3CR.20651.138	NewHanover	27	SR 2009 (SHELLEY DRIVE)	FROM SR 2006 (BROWNING ROAD) TO SR 2016 (LORD THOMAS ROAD) MP 0.12-MP 0.41	23	NO	0.29	20																	
TOTAL FOR MAP NO. 27							0.29																		
3CR.20651.138	NewHanover	28	SR 2217 (GOLDEN ROD DRIVE)	FROM SR 2269 (BIRD'S NEST COURT) TO SR 2218 (SILKWOOD COURT) MP 0.08-MP 0.22	23	NO	0.14	20																	
TOTAL FOR MAP NO. 28							0.14																		
3CR.20651.138	NewHanover	29	SR 1409 (MILITARY CUTOFF ROAD)	FROM US 74 (EASTWOOD ROAD) TO 0.17 MI. NORTH OF US 74 (EASTWOOD ROAD) MP 0.00-MP 0.17	9	NO	0.17	78																	
TOTAL FOR MAP NO. 29							0.17																		
3CR.20651.138	NewHanover	30	SR 2048 (GORDON ROAD)	FROM SR 1175 (KERR AVENUE) TO I-40 EASTBOUND RAMP MP 0.00-MP 0.69	22	NO	0.69	30																	
TOTAL FOR MAP NO. 30							0.69																		
3CR.20651.138	NewHanover	31	SR 2048 WBL (GORDON ROAD)	FROM 0.20 MI. EAST OF US 117/NC 132 TO US 117/NC 132 INTERSECTION MP 0.89-MP 0.69	8	NO	0.2	30																	
TOTAL FOR MAP NO. 31							0.2																		
3CR.20651.138	NewHanover	32	SR 2048 EBL (GORDON ROAD)	FROM US 117/NC 132 INTERSECTION TO 0.20 MI. EAST OF US 117/NC 132 MP 0.69-MP 0.89	7	NO	0.21	30																	
TOTAL FOR MAP NO. 32							0.21																		

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	48	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	WOOD POLE EA	GUY ASSEMBLY EA	2" RISER WITH WEATHERHEAD EA	INDUCTIVE LOOP SAWCUT LF	LEAD-IN CABLE (14-2) LF	SIGN FOR SIGNALS EA	DETECTOR CARD (TYPE 2070L) EA
TOTAL FOR MAP NO. 15							2.3								
3CR.20101.138	Brunswick	16	SR 1184 (OCEAN ISLE BEACH ROAD)	FROM US 17 TO 0.27 FROM NC 179 MP 0.00-MP 3.28	21, MP	NO	3.29	28							
TOTAL FOR MAP NO. 16							3.29								
TOTAL FOR PROJ NO. 3CR.20101.138							12.54								
3CR.20651.138	NewHanover	17	SR 1302 (23RD STREET)	FROM END C&G (NORTH RADII) AIRPORT BLVD. TO NC 133 (CASTLE HAYNE RD.) MP 2.04-MP 2.56	22	NO	0.52	37							
TOTAL FOR MAP NO. 17							0.52								
3CR.20651.138	NewHanover	18	SR 1175 (KERR AVENUE)	FROM 150' NORTH OF GREENTREE ROAD TO SR 1322 (N. KERR AVENUE) MP 3.15-MP 5.89	4,22	NO	2.74	32							
TOTAL FOR MAP NO. 18							2.74								
3CR.20651.138	NewHanover	19	SR 1327 (FARLEY DRIVE)	FROM SR 1322 (N. KERR AVENUE TO SR 1175 (KERR AVENUE) MP 0.00-MP 0.26	23	NO	0.26	22							
TOTAL FOR MAP NO. 19							0.26								
3CR.20651.138	NewHanover	20	SR 1518 (WHIPPORWILL LANE)	FROM SR 1492 (MASONBORO LOOP ROAD) TO DEAD END MP 0.00-MP 0.40	23	NO	0.4	20							
TOTAL FOR MAP NO. 20							0.4								
3CR.20651.138	NewHanover	21	SR 1620 (CHANNEL HAVEN DRIVE)	FROM SR 1492 (MASONBORO LOOP ROAD) TO SR 1621 (CHANNEL HAVEN DRIVE) MP 0.00-MP 0.05	24	NO	0.05	20							
TOTAL FOR MAP NO. 21							0.05								
3CR.20651.138	NewHanover	22	SR 1621 (CHANNEL HAVEN DRIVE)	FROM SR 1622 (AQUA DRIVE) TO SR 1623 (MARSH HEN DRIVE) MP 0.00-MP 0.43	24	NO	0.43	10							
TOTAL FOR MAP NO. 22							0.43								
3CR.20651.138	NewHanover	23	SR 1622 (AQUA DRIVE)	FROM SR 1621 (CHANNEL HAVEN DRIVE) TO END MAINTENANCE MP 0.00-MP 0.52	24	NO	0.52	18							
TOTAL FOR MAP NO. 23							0.52								
3CR.20651.138	NewHanover	24	SR 1623 (MARSH HEN DRIVE)	FROM DEAD END TO END MAINTENANCE MP 0.00-MP 0.18	24	NO	0.18	18							
TOTAL FOR MAP NO. 24							0.18								
3CR.20651.138	NewHanover	25	SR 1706 (BRIGHTON ROAD)	FROM SR 1643 (HORNDALE ROAD) TO END MAINTENANCE MP 0.20-MP 0.32	24	NO	0.12	20							
TOTAL FOR MAP NO. 25							0.12								
3CR.20651.138	NewHanover	26	SR 1707 (CORNWELL COURT)	FROM SR 1706 (BRIGHTON ROAD) TO DEAD END MP 0.00-MP 0.05	24	NO	0.05	20							
TOTAL FOR MAP NO. 26							0.05								
3CR.20651.138	NewHanover	27	SR 2009 (SHELLEY DRIVE)	FROM SR 2006 (BROWNING ROAD) TO SR 2016 (LORD THOMAS ROAD) MP 0.12-MP 0.41	23	NO	0.29	20							
TOTAL FOR MAP NO. 27							0.29								
3CR.20651.138	NewHanover	28	SR 2217 (GOLDEN ROD DRIVE)	FROM SR 2269 (BIRD'S NEST COURT) TO SR 2218 (SILKWOOD COURT) MP 0.08-MP 0.22	23	NO	0.14	20							
TOTAL FOR MAP NO. 28							0.14								
3CR.20651.138	NewHanover	29	SR 1409 (MILITARY CUTOFF ROAD)	FROM US 74 (EASTWOOD ROAD) TO 0.17 MI. NORTH OF US 74 (EASTWOOD ROAD) MP 0.00-MP 0.17	9	NO	0.17	78							
TOTAL FOR MAP NO. 29							0.17								
3CR.20651.138	NewHanover	30	SR 2048 (GORDON ROAD)	FROM SR 1175 (KERR AVENUE) TO I-40 EASTBOUND RAMP MP 0.00-MP 0.69	22	NO	0.69	30							
TOTAL FOR MAP NO. 30							0.69								
3CR.20651.138	NewHanover	31	SR 2048 WBL (GORDON ROAD)	FROM 0.20 MI. EAST OF US 117/NC 132 TO US 117/NC 132 INTERSECTION MP 0.89-MP 0.69	8	NO	0.2	30				325	50		
TOTAL FOR MAP NO. 31							0.2					325	50		
3CR.20651.138	NewHanover	32	SR 2048 EBL (GORDON ROAD)	FROM US 117/NC 132 INTERSECTION TO 0.20 MI. EAST OF US 117/NC 132 MP 0.69-MP 0.89	7	NO	0.21	30				2,500	600		
TOTAL FOR MAP NO. 32							0.21					2,500	600		

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-52038, 3CR.10101.138, ETC.	49	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	GRADING LS	BORROW EXC. CY	FOUND. COND. MAT., MINOR STRS TON	FOUND. COND. GEO-TEXTILE SY	12" RC PIPE CULVERTS, CLASS IV LF	INC. STONE BASE TONS	SHOULDER RECONST. SMI	2 1/2" MILLING SY	1 1/2" MILLING SY	2" MILLING SY	4" MILLING SY	1/2" MILLING SY	INC. MILLING SY	BASE COURSE, B25.0B TONS	BASE COURSE, B25.0C TONS	INT. COURSE, I19.0B TONS	INT. COURSE, I19.0C TONS
3CR.20651.138	NewHanover	33	SR 2048 (GORDON ROAD)	FROM END OF CONCRETE MEDIAN/EAST OF I-40 WB RAMP TO SR 2698 (NETHERLANDS DRIVE) MP 0.89-MP 2.90	25	NO	2.01	41		1,281				47	4.02		38,027					1,729			
TOTAL FOR MAP NO. 33							2.01			1,281				47	4.02		38,027					1,729			
TOTAL FOR PROJ NO. 3CR.20651.138							8.98			1,281				179	4.02		59,869					1,729			
45242.3.1	NewHanover	34	US 76 (OLEANDER DRIVE RT. TURN LANE)	WIDENING FROM (US 76-OLEANDER DRIVE/US 117-S.COLLEGE ROAD INTERSECTION TO 0.05 MI. PAST INTERSECTION (STA. -L1- 26+92-STA. -L1- 29+59)	26	NO	0.05	94	*		10.00	10.00	12.00					1,090					112		82
TOTAL FOR MAP NO. 34							0.05		*		10.00	10.00	12.00					1,090					112		82
TOTAL FOR PROJ NO. W-5132, 45242.3.1							0.05		1		10.00	10.00	12.00					1,090					112		82
46280.3.3	Pender	35	I-40 EBL EXIT RAMP TO US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 22'	18	NO	0.16	22										2,065							
TOTAL FOR MAP NO. 35							0.16											2,065							
46280.3.3	Pender	36	I-40 EBL ENTRANCE RAMP FROM US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 20'	18	NO	0.21	20						20				2,464							
TOTAL FOR MAP NO. 36							0.21							20				2,464							
46280.3.3	Pender	37	I-40 EBL EXIT LOOP TO NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19' (C&G)	18	NO	0.15	19										1,672							
TOTAL FOR MAP NO. 37							0.15											1,672							
46280.3.3	Pender	38	I-40 EBL ENTRANCE RAMP FROM NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 20'	18	NO	0.26	20						20				3,051							
TOTAL FOR MAP NO. 38							0.26							20				3,051							
46280.3.3	Pender	39	I-40 EBL EXIT RAMP TO NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.19	18						25				2,006							
TOTAL FOR MAP NO. 39							0.19							25				2,006							
46280.3.3	Pender	40	I-40 EBL ENTRANCE RAMP FROM NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.21	18						30				2,218							
TOTAL FOR MAP NO. 40							0.21							30				2,218							
46280.3.3	Pender	41	I-40 WBL EXIT RAMP TO NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.17	19						30				1,895							
		"	"	EXIT 408/MILL& FILL/RESURFACING TAPER 19'-39'	18	NO	0.03	29										510							
TOTAL FOR MAP NO. 41							0.2							30				2,405							
46280.3.3	Pender	42	I-40 WBL ENTRANCE RAMP FROM NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.21	19						50				2,341							
TOTAL FOR MAP NO. 42							0.21							50				2,341							
46280.3.3	Pender	43	I-40 WBL EXIT RAMP TO NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.39	19						20				4,347							
TOTAL FOR MAP NO. 43							0.39							20				4,347							
46280.3.3	Pender	44	I-40 WBL ENTRANCE LOOP FROM NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19' (C&G)	18	NO	0.2	19										2,229							
TOTAL FOR MAP NO. 44							0.2											2,229							
46280.3.3	Pender	45	I-40 WBL EXIT RAMP TO US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.19	19						20				2,118							
TOTAL FOR MAP NO. 45							0.19							20				2,118							
46280.3.3	Pender	46	I-40 WBL ENTRANCE RAMP FROM US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 22'	18	NO	0.22	22						20				2,839							
TOTAL FOR MAP NO. 46							0.22							20				2,839							
46280.3.3	NewHanover	47	I-40 EBL EXIT LOOP TO SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18' (C&G)	18	NO	0.19	18										2,006							
TOTAL FOR MAP NO. 47							0.19											2,006							
46280.3.3	NewHanover	48	I-40 EBL ENTRANCE RAMP FROM SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.36	18										3,802							
TOTAL FOR MAP NO. 48							0.36											3,802							

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	50	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, S9.5C TONS	LEVELING COURSE, S9.5C TONS	SURFACE COURSE, SF9.5A TONS	ASPHALT CONC SURFACE COURSE,TYPE S4.75A(LEVELING) TON	ASPHALT BINDER FOR PLANT MIX TON	PATCHING EXISTING PAVEMENT (MILL) TON	PATCHING EXISTING PAVEMENT (FULL DEPTH) TONS	PATCHING EXISTING PAVEMENT S9.5B (MILL PATCH) TON	PATCHING EXISTING PAVEMENT I19.0B (MILL PATCH) TON	PAVEMENT INTERLAYER SY	MASONRY DRAINAGE STRUCTURE EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE E EA	FRAME WITH COVER, STD 840.54 EA	1'-6" CONCRETE CURB & GUTTER LF	2'-6" CONCRETE CURB & GUTTER LF	4" CONCRETE SIDEWALK SY
3CR.20651.138	NewHanover	33	SR 2048 (GORDON ROAD)	FROM END OF CONCRETE MEDIAN/EAST OF I-40 WB RAMP TO SR 2698 (NETHERLANDS DRIVE) MP 0.89-MP 2.90	25	NO	2.01	41	7,956					553											
TOTAL FOR MAP NO. 33							2.01		7,956					553											
TOTAL FOR PROJ NO. 3CR.20651.138							8.98		14,771	720		1,958	255	1,152											
45242.3.1	NewHanover	34	US 76 (OLEANDER DRIVE RT. TURN LANE)	WIDENING FROM (US 76-OLEANDER DRIVE/US 117-S.COLLEGE ROAD INTERSECTION TO 0.05 MI. PAST INTERSECTION (STA. -L1- 26+92-STA. -L1- 29+59)	26	NO	0.05	94		169				19						1.00	1.00	1.00		280	
TOTAL FOR MAP NO. 34							0.05			169				19						1.00	1.00	1.00		280	
TOTAL FOR PROJ NO. W-5132, 45242.3.1							0.05			169				19						1.00	1.00	1.00		280	
46280.3.3	Pender	35	I-40 EBL EXIT RAMP TO US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 22'	18	NO	0.16	22		256				15											
TOTAL FOR MAP NO. 35							0.16			256				15											
46280.3.3	Pender	36	I-40 EBL ENTRANCE RAMP FROM US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 20'	18	NO	0.21	20		306				18	30										
TOTAL FOR MAP NO. 36							0.21			306				18	30										
46280.3.3	Pender	37	I-40 EBL EXIT LOOP TO NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19' (C&G)	18	NO	0.15	19		208				12											
TOTAL FOR MAP NO. 37							0.15			208				12											
46280.3.3	Pender	38	I-40 EBL ENTRANCE RAMP FROM NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 20'	18	NO	0.26	20		379				22											
TOTAL FOR MAP NO. 38							0.26			379				22											
46280.3.3	Pender	39	I-40 EBL EXIT RAMP TO NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.19	18		249				15											
TOTAL FOR MAP NO. 39							0.19			249				15											
46280.3.3	Pender	40	I-40 EBL ENTRANCE RAMP FROM NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.21	18		276				16											
TOTAL FOR MAP NO. 40							0.21			276				16											
46280.3.3	Pender	41	I-40 WBL EXIT RAMP TO NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.17	19		236				14	10										
		"	"	EXIT 408/MILL& FILL/RESURFACING TAPER 19'-39'	18	NO	0.03	29		63				4											
TOTAL FOR MAP NO. 41							0.2			299				18	10										
46280.3.3	Pender	42	I-40 WBL ENTRANCE RAMP FROM NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.21	19		291				17	40										
TOTAL FOR MAP NO. 42							0.21			291				17	40										
46280.3.3	Pender	43	I-40 WBL EXIT RAMP TO NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.39	19		540				32											
TOTAL FOR MAP NO. 43							0.39			540				32											
46280.3.3	Pender	44	I-40 WBL ENTRANCE LOOP FROM NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19' (C&G)	18	NO	0.2	19		277				16	50										
TOTAL FOR MAP NO. 44							0.2			277				16	50										
46280.3.3	Pender	45	I-40 WBL EXIT RAMP TO US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.19	19		263				16											
TOTAL FOR MAP NO. 45							0.19			263				16											
46280.3.3	Pender	46	I-40 WBL ENTRANCE RAMP FROM US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 22'	18	NO	0.22	22		352				21											
TOTAL FOR MAP NO. 46							0.22			352				21											
46280.3.3	NewHanover	47	I-40 EBL EXIT LOOP TO SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18' (C&G)	18	NO	0.19	18		249				15											
TOTAL FOR MAP NO. 47							0.19			249				15											
46280.3.3	NewHanover	48	I-40 EBL ENTRANCE RAMP FROM SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.36	18		473				28	10										
TOTAL FOR MAP NO. 48							0.36			473				28	10										

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	51	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	RETROFIT EXISTING CURB RAMP EA	CONCRETE CURB RAMP EA	5" MONOLITHIC CONCRETE ISLANDS(SURFACE MOUNTED) SY	REMOVAL OF CONCRETE ISLAND SY	REMOVAL OF 1'-6" CURB & GUTTER LF	REMOVE & REPLACE 2'-6" CURB & GUTTER LF	REMOVE & REPLACE CURB RAMP EA	ADJ. OF MEDIAN DROP INLET EA	REMOVE CURB RAMPS EA	ADJ. OF CATCH BASIN EA	ADJ. OF MON EA	ADJ. OF MANHOLES EA	ADJUSTMENT OF METER OR VALVE BOX EA	CONVERT EXISTING DROP INLET TOJUNCTION BOX WITH MANHOLE EA	RELOCATE FIRE HYDRANT EA	PORTABLE LIGHTING LS	TEMPORARY SILT FENCE LF
3CR.20651.138	NewHanover	33	SR 2048 (GORDON ROAD)	FROM END OF CONCRETE MEDIAN/EAST OF I-40 WB RAMP TO SR 2698 (NETHERLANDS DRIVE) MP 0.89-MP 2.90	25	NO	2.01	41																	402
TOTAL FOR MAP NO. 33							2.01																		402
TOTAL FOR PROJ NO. 3CR.20651.138							8.98													1	1				402
45242.3.1	NewHanover	34	US 76 (OLEANDER DRIVE RT. TURN LANE)	WIDENING FROM (US 76-OLEANDER DRIVE/US 117-S.COLLEGE ROAD INTERSECTION TO 0.05 MI. PAST INTERSECTION (STA. -L1- 26+92-STA. -L1- 29+59)	26	NO	0.05	94		2												1.00	1.00	*	200
TOTAL FOR MAP NO. 34							0.05			2												1.00	1.00	*	200
TOTAL FOR PROJ NO. W-5132, 45242.3.1							0.05			2												1.00	1.00	1.00	200
46280.3.3	Pender	35	I-40 EBL EXIT RAMP TO US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 22'	18	NO	0.16	22																*	
TOTAL FOR MAP NO. 35							0.16																	*	
46280.3.3	Pender	36	I-40 EBL ENTRANCE RAMP FROM US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 20'	18	NO	0.21	20																	
TOTAL FOR MAP NO. 36							0.21																		
46280.3.3	Pender	37	I-40 EBL EXIT LOOP TO NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19' (C&G)	18	NO	0.15	19																	
TOTAL FOR MAP NO. 37							0.15																		
46280.3.3	Pender	38	I-40 EBL ENTRANCE RAMP FROM NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 20'	18	NO	0.26	20																	
TOTAL FOR MAP NO. 38							0.26																		
46280.3.3	Pender	39	I-40 EBL EXIT RAMP TO NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.19	18																	
TOTAL FOR MAP NO. 39							0.19																		
46280.3.3	Pender	40	I-40 EBL ENTRANCE RAMP FROM NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.21	18																	
TOTAL FOR MAP NO. 40							0.21																		
46280.3.3	Pender	41	I-40 WBL EXIT RAMP TO NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.17	19																	
		"	"	EXIT 408/MILL& FILL/RESURFACING TAPER 19'-39'	18	NO	0.03	29																	
TOTAL FOR MAP NO. 41							0.2																		
46280.3.3	Pender	42	I-40 WBL ENTRANCE RAMP FROM NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.21	19																	
TOTAL FOR MAP NO. 42							0.21																		
46280.3.3	Pender	43	I-40 WBL EXIT RAMP TO NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.39	19																	
TOTAL FOR MAP NO. 43							0.39																		
46280.3.3	Pender	44	I-40 WBL ENTRANCE LOOP FROM NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19' (C&G)	18	NO	0.2	19																	
TOTAL FOR MAP NO. 44							0.2																		
46280.3.3	Pender	45	I-40 WBL EXIT RAMP TO US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.19	19																	
TOTAL FOR MAP NO. 45							0.19																		
46280.3.3	Pender	46	I-40 WBL ENTRANCE RAMP FROM US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 22'	18	NO	0.22	22																	
TOTAL FOR MAP NO. 46							0.22																		
46280.3.3	NewHanover	47	I-40 EBL EXIT LOOP TO SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18' (C&G)	18	NO	0.19	18																*	
TOTAL FOR MAP NO. 47							0.19																	*	
46280.3.3	NewHanover	48	I-40 EBL ENTRANCE RAMP FROM SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.36	18																	
TOTAL FOR MAP NO. 48							0.36																		

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	52	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	STONE FOR EC CLASS B TON	SEDIMENT CONTROL STONE TON	TEMPORARY MULCHING ACR	SEED FOR TEMPORARY SEEDING LBS	SILT EXCAVATION CY	MATTING FOR EROSION CONTROL SY	1/4" HARDWARE CLOTH LF	WATTLE LF	SEED & MULCHING AC	SEED FOR REPAIR SEEDING LB	FERTILIZER FOR REPAIR SEEDING TON	SIGNAL CABLE LF	VEHICLE SIGNAL HEAD (12", 3 SECTION) EA	VEHICLE SIGNAL HEAD (12", 5 SECTION) EA	MESSENGER CABLE (3/8") LF	UNPAVED TRENCHING (1 CONDUIT, 2") LF	JUNCTION BOX (STANDARD SIZE) EA
3CR.20651.138	NewHanover	33	SR 2048 (GORDON ROAD)	FROM END OF CONCRETE MEDIAN/EAST OF I-40 WB RAMP TO SR 2698 (NETHERLANDS DRIVE) MP 0.89-MP 2.90	25	NO	2.01	41	101	101	4.02			30	201	70	3.00	201	1.00						3
TOTAL FOR MAP NO. 33							2.01		101	101	4.02			30	201	70	3.00	201	1.00						3
TOTAL FOR PROJ NO. 3CR.20651.138							8.98		101	101	4.02			30	201	70	3.00	201	1.00						3
45242.3.1	NewHanover	34	US 76 (OLEANDER DRIVE RT. TURN LANE)	WIDENING FROM (US 76-OLEANDER DRIVE/US 117-S.COLLEGE ROAD INTERSECTION TO 0.05 MI. PAST INTERSECTION (STA. -L1- 26+92-STA. -L1- 29+59)	26	NO	0.05	94		5	0.07	50	2		22		0.07			1,000.00	6.00	2.00	460.00	180.00	3
TOTAL FOR MAP NO. 34							0.05			5	0.07	50	2		22		0.07			1,000.00	6.00	2.00	460.00	180.00	3
TOTAL FOR PROJ NO. W-5132, 45242.3.1							0.05			5	0.07	50	2		22		0.07			1,000.00	6.00	2.00	460.00	180.00	3
46280.3.3	Pender	35	I-40 EBL EXIT RAMP TO US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 22'	18	NO	0.16	22																	
TOTAL FOR MAP NO. 35							0.16																		
46280.3.3	Pender	36	I-40 EBL ENTRANCE RAMP FROM US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 20'	18	NO	0.21	20																	
TOTAL FOR MAP NO. 36							0.21																		
46280.3.3	Pender	37	I-40 EBL EXIT LOOP TO NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19' (C&G)	18	NO	0.15	19																	
TOTAL FOR MAP NO. 37							0.15																		
46280.3.3	Pender	38	I-40 EBL ENTRANCE RAMP FROM NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 20'	18	NO	0.26	20																	
TOTAL FOR MAP NO. 38							0.26																		
46280.3.3	Pender	39	I-40 EBL EXIT RAMP TO NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.19	18																	
TOTAL FOR MAP NO. 39							0.19																		
46280.3.3	Pender	40	I-40 EBL ENTRANCE RAMP FROM NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.21	18																	
TOTAL FOR MAP NO. 40							0.21																		
46280.3.3	Pender	41	I-40 WBL EXIT RAMP TO NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.17	19																	
		"	"	EXIT 408/MILL& FILL/RESURFACING TAPER 19'-39'	18	NO	0.03	29																	
TOTAL FOR MAP NO. 41							0.2																		
46280.3.3	Pender	42	I-40 WBL ENTRANCE RAMP FROM NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.21	19																	
TOTAL FOR MAP NO. 42							0.21																		
46280.3.3	Pender	43	I-40 WBL EXIT RAMP TO NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.39	19																	
TOTAL FOR MAP NO. 43							0.39																		
46280.3.3	Pender	44	I-40 WBL ENTRANCE LOOP FROM NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19' (C&G)	18	NO	0.2	19																	
TOTAL FOR MAP NO. 44							0.2																		
46280.3.3	Pender	45	I-40 WBL EXIT RAMP TO US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.19	19																	
TOTAL FOR MAP NO. 45							0.19																		
46280.3.3	Pender	46	I-40 WBL ENTRANCE RAMP FROM US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 22'	18	NO	0.22	22																	
TOTAL FOR MAP NO. 46							0.22																		
46280.3.3	NewHanover	47	I-40 EBL EXIT LOOP TO SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18' (C&G)	18	NO	0.19	18																	
TOTAL FOR MAP NO. 47							0.19																		
46280.3.3	NewHanover	48	I-40 EBL ENTRANCE RAMP FROM SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.36	18																	
TOTAL FOR MAP NO. 48							0.36																		

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	53	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	WOOD POLE EA	GUY ASSEMBLY EA	2" RISER WITH WEATHERHEAD EA	INDUCTIVE LOOP SAWCUT LF	LEAD-IN CABLE (14-2) LF	SIGN FOR SIGNALS EA	DETECTOR CARD (TYPE 2070L) EA
3CR.20651.138	NewHanover	33	SR 2048 (GORDON ROAD)	FROM END OF CONCRETE MEDIAN/EAST OF I-40 WB RAMP TO SR 2698 (NETHERLANDS DRIVE) MP 0.89-MP 2.90	25	NO	2.01	41							
TOTAL FOR MAP NO. 33							2.01								
TOTAL FOR PROJ NO. 3CR.20651.138							8.98					2,825	650		
45242.3.1	NewHanover	34	US 76 (OLEANDER DRIVE RT. TURN LANE)	WIDENING FROM (US 76-OLEANDER DRIVE/US 117-S.COLLEGE ROAD INTERSECTION TO 0.05 MI. PAST INTERSECTION (STA. -L1- 26+92-STA. -L1- 29+59)	26	NO	0.05	94	2.00	4.00	1.00	935	4,515	1.00	3.00
TOTAL FOR MAP NO. 34							0.05		2.00	4.00	1.00	935	4,515	1.00	3.00
TOTAL FOR PROJ NO. W-5132, 45242.3.1							0.05		2.00	4.00	1.00	935	4,515	1.00	3.00
46280.3.3	Pender	35	I-40 EBL EXIT RAMP TO US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 22'	18	NO	0.16	22							
TOTAL FOR MAP NO. 35							0.16								
46280.3.3	Pender	36	I-40 EBL ENTRANCE RAMP FROM US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 20'	18	NO	0.21	20							
TOTAL FOR MAP NO. 36							0.21								
46280.3.3	Pender	37	I-40 EBL EXIT LOOP TO NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19' (C&G)	18	NO	0.15	19							
TOTAL FOR MAP NO. 37							0.15								
46280.3.3	Pender	38	I-40 EBL ENTRANCE RAMP FROM NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 20'	18	NO	0.26	20							
TOTAL FOR MAP NO. 38							0.26								
46280.3.3	Pender	39	I-40 EBL EXIT RAMP TO NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.19	18							
TOTAL FOR MAP NO. 39							0.19								
46280.3.3	Pender	40	I-40 EBL ENTRANCE RAMP FROM NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.21	18							
TOTAL FOR MAP NO. 40							0.21								
46280.3.3	Pender	41	I-40 WBL EXIT RAMP TO NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.17	19							
		"	"	EXIT 408/MILL& FILL/RESURFACING TAPER 19'-39'	18	NO	0.03	29				350	50		
TOTAL FOR MAP NO. 41							0.2					350	50		
46280.3.3	Pender	42	I-40 WBL ENTRANCE RAMP FROM NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.21	19							
TOTAL FOR MAP NO. 42							0.21								
46280.3.3	Pender	43	I-40 WBL EXIT RAMP TO NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.39	19							
TOTAL FOR MAP NO. 43							0.39								
46280.3.3	Pender	44	I-40 WBL ENTRANCE LOOP FROM NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19' (C&G)	18	NO	0.2	19							
TOTAL FOR MAP NO. 44							0.2								
46280.3.3	Pender	45	I-40 WBL EXIT RAMP TO US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 19'	18	NO	0.19	19							
TOTAL FOR MAP NO. 45							0.19								
46280.3.3	Pender	46	I-40 WBL ENTRANCE RAMP FROM US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 22'	18	NO	0.22	22							
TOTAL FOR MAP NO. 46							0.22								
46280.3.3	NewHanover	47	I-40 EBL EXIT LOOP TO SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18' (C&G)	18	NO	0.19	18							
TOTAL FOR MAP NO. 47							0.19								
46280.3.3	NewHanover	48	I-40 EBL ENTRANCE RAMP FROM SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.36	18							
TOTAL FOR MAP NO. 48							0.36								

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	54	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	GRADING LS	BORROW EXC. CY	FOUND. COND. MAT., MINOR STRS TON	FOUND. COND. GEO-TEXTILE SY	12" RC PIPE CULVERTS, CLASS IV LF	INC. STONE BASE TONS	SHOULDER RECONST. SMI	2 1/2" MILLING SY	1 1/2" MILLING SY	2" MILLING SY	4" MILLING SY	1/2" MILLING SY	INC. MILLING SY	BASE COURSE, B25.0B TONS	BASE COURSE, B25.0C TONS	INT. COURSE, I19.0B TONS	INT. COURSE, I19.0C TONS
46280.3.3	New Hanover	49	I-40 EBL EXIT LOOP TO SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 18' (C&G)	18	NO	0.23	18										3,027							
TOTAL FOR MAP NO. 49							0.23											3,027							
46280.3.3	NewHanover	50	I-40 EBL ENTRANCE RAMP FROM US 117/NC 132	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 28' (CONC. ISLAND)	18	NO	0.33	28										5,092							
TOTAL FOR MAP NO. 50							0.33											5,092							
46280.3.3	NewHanover	51	I-40 WBL EXIT RAMP TO SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 23'	18	NO	0.23	23										3,496							
TOTAL FOR MAP NO. 51							0.23											3,496							
46280.3.3	NewHanover	52	I-40 WBL EXIT RAMP TO US 117/NC 132	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 21'	18	NO	0.47	21										5,052							
TOTAL FOR MAP NO. 52							0.47											5,052							
46280.3.3	NewHanover	53	I-40 WBL ENTRANCE RAMP FROM SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.6	18						60				6,336							
TOTAL FOR MAP NO. 53							0.6							60				6,336							
46280.3.3	NewHanover	54	I-40 WBL EXIT RAMP TO SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.31	18						40				3,274							
TOTAL FOR MAP NO. 54							0.31							40				3,274							
46280.3.3	NewHanover	55	I-40 WBL ENTRANCE LOOP FROM SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18.5' (C&G)	18	NO	0.17	18.5						25				1,845							
TOTAL FOR MAP NO. 55							0.17							25				1,845							
TOTAL FOR PROJ NO. I-5203B, 46280.3.3							5.48							360				63,685							
GRAND TOTAL							48.461		1	3,985	10.00	10.00	212.00	889	18.04	126,009	243,989	218,634	65,250	2,358	19,780	8,368	1,954	18,961	9,897

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	55	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, S9.5C TONS	LEVELING COURSE, S9.5C TONS	SURFACE COURSE, SF9.5A TONS	ASPHALT CONC SURFACE COURSE,TYPE S4.75A(LEVELING) TON	ASPHALT BINDER FOR PLANT MIX TON	PATCHING EXISTING PAVEMENT (MILL) TON	PATCHING EXISTING PAVEMENT (FULL DEPTH) TONS	PATCHING EXISTING PAVEMENT S9.5B (MILL PATCH) TON	PATCHING EXISTING PAVEMENT I19.0B (MILL PATCH) TON	PAVEMENT INTERLAYER SY	MASONRY DRAINAGE STRUCTURE EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE E EA	FRAME WITH TWO GRATES, STD 840.22 EA	FRAME WITH COVER, STD 840.54 EA	1'-6" CONCRETE CURB & GUTTER LF	2'-6" CONCRETE CURB & GUTTER LF	4" CONCRETE SIDEWALK SY
46280.3.3	New Hanover	49	I-40 EBL EXIT LOOP TO SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 18' (C&G)	18	NO	0.23	18		375				23												
TOTAL FOR MAP NO. 49							0.23			375				23												
46280.3.3	NewHanover	50	I-40 EBL ENTRANCE RAMP FROM US 117/NC 132	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 28' (CONC. ISLAND)	18	NO	0.33	28		630				38	30											
TOTAL FOR MAP NO. 50							0.33			630				38	30											
46280.3.3	NewHanover	51	I-40 WBL EXIT RAMP TO SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 23'	18	NO	0.23	23		433				25	20											
TOTAL FOR MAP NO. 51							0.23			433				25	20											
46280.3.3	NewHanover	52	I-40 WBL EXIT RAMP TO US 117/NC 132	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 21'	18	NO	0.47	21		627				37	45											
TOTAL FOR MAP NO. 52							0.47			627				37	45											
46280.3.3	NewHanover	53	I-40 WBL ENTRANCE RAMP FROM SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.6	18		788				46	25											
TOTAL FOR MAP NO. 53							0.6			788				46	25											
46280.3.3	NewHanover	54	I-40 WBL EXIT RAMP TO SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.31	18		407				24	25											
TOTAL FOR MAP NO. 54							0.31			407				24	25											
46280.3.3	NewHanover	55	I-40 WBL ENTRANCE LOOP FROM SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18.5' (C&G)	18	NO	0.17	18.5		229				14	35											
TOTAL FOR MAP NO. 55							0.17			229				14	35											
TOTAL FOR PROJ NO. I-5203B, 46280.3.3							5.48			7,907				468	320											
GRAND TOTAL							48.461		28,626	49,063	125	7,965	255	7,004	935	425	1,575	325	30,828.00	7.00	2.00	6.00	7.00	13.00	280	98

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, BCR.10101.138, ETC.	56	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	RETROFIT EXISTING CURB RAMP EA	CONCRETE CURB RAMP EA	5" MONOLITHIC CONCRETE ISLANDS(SURFACE MOUNTED) SY	REMOVAL OF CONCRETE ISLAND SY	REMOVAL OF 1'-6" CURB & GUTTER LF	REMOVE & REPLACE 2'-6" CURB & GUTTER LF	REMOVE & REPLACE CURB RAMP EA	ADJ. OF MEDIAN DROP INLET EA	REMOVE CURB RAMPS EA	ADJ. OF CATCH BASIN EA	ADJ. OF MON EA	ADJ. OF MANHOLES EA	ADJUSTMENT OF METER OR VALVE BOX EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE EA	RELOCATE FIRE HYDRANT EA	PORTABLE LIGHTING LS	TEMPORARY SILT FENCE LF
46280.3.3	New Hanover	49	I-40 EBL EXIT LOOP TO SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 18' (C&G)	18	NO	0.23	18																	
TOTAL FOR MAP NO. 49							0.23																		
46280.3.3	NewHanover	50	I-40 EBL ENTRANCE RAMP FROM US 117/NC 132	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 28' (CONC. ISLAND)	18	NO	0.33	28																	
TOTAL FOR MAP NO. 50							0.33																		
46280.3.3	NewHanover	51	I-40 WBL EXIT RAMP TO SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 23'	18	NO	0.23	23																	
TOTAL FOR MAP NO. 51							0.23																		
46280.3.3	NewHanover	52	I-40 WBL EXIT RAMP TO US 117/NC 132	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 21'	18	NO	0.47	21																	
TOTAL FOR MAP NO. 52							0.47																		
46280.3.3	NewHanover	53	I-40 WBL ENTRANCE RAMP FROM SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.6	18																	
TOTAL FOR MAP NO. 53							0.6																		
46280.3.3	NewHanover	54	I-40 WBL EXIT RAMP TO SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.31	18																	
TOTAL FOR MAP NO. 54							0.31																		
46280.3.3	NewHanover	55	I-40 WBL ENTRANCE LOOP FROM SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18.5' (C&G)	18	NO	0.17	18.5																	
TOTAL FOR MAP NO. 55							0.17																		
TOTAL FOR PROJ NO. I-5203B, 46280.3.3							5.48																		
GRAND TOTAL							48.461		18	14	110	77	28	320	46	4	6	1	6	63	77	7.00	1.00	1.00	1,997

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	57	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	STONE FOR EC CLASS B TON	SEDIMENT CONTROL STONE TON	TEMPORARY MULCHING ACR	SEED FOR TEMPORARY SEEDING LBS	SILT EXCAVATION CY	MATTING FOR EROSION CONTROL SY	1/4" HARDWARE CLOTH LF	WATTLE LF	SEED & MULCHING AC	SEED FOR REPAIR SEEDING LB	FERTILIZER FOR REPAIR SEEDING TON	SIGNAL CABLE LF	VEHICLE SIGNAL HEAD (12", 3 SECTION) EA	VEHICLE SIGNAL HEAD (12", 5 SECTION) EA	MESSENGER CABLE (3/8") LF	UNPAVED TRENCHING (1 CONDUIT, 2") LF	JUNCTION BOX (STANDARD SIZE) EA
46280.3.3	New Hanover	49	I-40 EBL EXIT LOOP TO SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 18' (C&G)	18	NO	0.23	18																	
TOTAL FOR MAP NO. 49							0.23																		
46280.3.3	NewHanover	50	I-40 EBL ENTRANCE RAMP FROM US 117/NC 132	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 28' (CONC. ISLAND)	18	NO	0.33	28																	
TOTAL FOR MAP NO. 50							0.33																		
46280.3.3	NewHanover	51	I-40 WBL EXIT RAMP TO SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 23'	18	NO	0.23	23																	
TOTAL FOR MAP NO. 51							0.23																		
46280.3.3	NewHanover	52	I-40 WBL EXIT RAMP TO US 117/NC 132	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 21'	18	NO	0.47	21																	
TOTAL FOR MAP NO. 52							0.47																		
46280.3.3	NewHanover	53	I-40 WBL ENTRANCE RAMP FROM SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.6	18																	
TOTAL FOR MAP NO. 53							0.6																		
46280.3.3	NewHanover	54	I-40 WBL EXIT RAMP TO SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.31	18																	
TOTAL FOR MAP NO. 54							0.31																		
46280.3.3	NewHanover	55	I-40 WBL ENTRANCE LOOP FROM SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18.5' (C&G)	18	NO	0.17	18.5																	
TOTAL FOR MAP NO. 55							0.17																		
TOTAL FOR PROJ NO. I-5203B, 46280.3.3							5.48																		
GRAND TOTAL							48.461		450	455	14.24	50	2	120	921	280	13.22	899	4.50	1,000.00	6.00	2.00	460.00	180.00	17

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	58	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	WOOD POLE EA	GUY ASSEMBLY EA	2" RISER WITH WEATHERHEAD EA	INDUCTIVE LOOP SAWCUT LF	LEAD-IN CABLE (14-2) LF	SIGN FOR SIGNALS EA	DETECTOR CARD (TYPE 2070L) EA
46280.3.3	New Hanover	49	I-40 EBL EXIT LOOP TO SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 18' (C&G)	18	NO	0.23	18				350	100		
TOTAL FOR MAP NO. 49							0.23					350	100		
46280.3.3	NewHanover	50	I-40 EBL ENTRANCE RAMP FROM US 117/NC 132	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 28' (CONC. ISLAND)	18	NO	0.33	28							
TOTAL FOR MAP NO. 50							0.33								
46280.3.3	NewHanover	51	I-40 WBL EXIT RAMP TO SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 23'	18	NO	0.23	23							
TOTAL FOR MAP NO. 51							0.23								
46280.3.3	NewHanover	52	I-40 WBL EXIT RAMP TO US 117/NC 132	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 21'	18	NO	0.47	21							
TOTAL FOR MAP NO. 52							0.47								
46280.3.3	NewHanover	53	I-40 WBL ENTRANCE RAMP FROM SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.6	18							
TOTAL FOR MAP NO. 53							0.6								
46280.3.3	NewHanover	54	I-40 WBL EXIT RAMP TO SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18'	18	NO	0.31	18							
TOTAL FOR MAP NO. 54							0.31								
46280.3.3	NewHanover	55	I-40 WBL ENTRANCE LOOP FROM SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18.5' (C&G)	18	NO	0.17	18.5							
TOTAL FOR MAP NO. 55							0.17								
TOTAL FOR PROJ NO. I-5203B, 46280.3.3							5.48					700	150		
GRAND TOTAL							48.461		2.00	4.00	1.00	22,840	9,965	1.00	3.00

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	59	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4400000000-E STATIONARY WORK ZONE SIGN SF	4405000000-E PORTABLE WORK ZONE SIGN SF	4415000000-N FLASHING ARROW BOARD EA	4420000000-N PORTABLE CHANGEABLE MESSAGE SIGN EA	4430000000-N DRUMS EA	4480000000-N TMA EA	4510000000-N LAW ENFORCEMENT HR	4589000000-N TRAFFIC CONTROL - LUMP SUM LS	4685000000-E 4" X 90 M WHITE THERMO LF	4685000000-E 4" X 90 M YELLOW THERMO LF	4686000000-E 4" X 120 M YELLOW THERMO LF	4686000000-E 4" X 120 M WHITE THERMO LF	4695000000-E 8" X 90 M WHITE THERMO LF	4697000000-E 8" X 120 M WHITE THERMO LF	4700000000-E 12" X 90 M YELLOW THERMO LF	4700000000-E 12" X 90 M WHITE THERMO LF	4702000000-E 12" X 120 M WHITE THERMO LF	4705000000-E 16" X 120 M WHITE THERMO LF
3CR.10101.138	Brunswick	1	NC 133	FROM SR 1518 (DAW'S CREEK RD.) TO 0.33 MI. SOUTH OR SR 1554 (RIVER RD.) MP 19.47-MP 26.67	7.171	30									78,150	317	78,579	3,605			1,002			
TOTAL FOR MAP NO. 1					7.171										78,150	317	78,579	3,605			1,002			
TOTAL FOR PROJ NO. 3CR.10101.138					7.171										78,150	317	78,579	3,605			1,002			
															78,467		82,184				1,002			
3CR.10651.138	NewHanover	2	US 117/NC 132 SBL (N. COLLEGE ROAD)	FROM 0.18 MI. SOUTH OF SR 1322 (MURRAYVILLE ROAD) TO SR 2048 (GORDON ROAD) MP 5.84-MP 6.46	0.62	34							10		3,398	1,699		1,235						
TOTAL FOR MAP NO. 2					0.62								10		3,398	1,699		1,235						
3CR.10651.138	NewHanover	3	US 117/NC 132 NBL (N. COLLEGE ROAD)	FROM SR 2048 (GORDON ROAD) TO 0.18 MI. SOUTH OF SR 1322 (MURRAYVILLE ROAD) MP 9.10-MP 9.73	0.63	28							10		3,453	1,699		119	496					
TOTAL FOR MAP NO. 3					0.63								10		3,453	1,699		119	496					
3CR.10651.138	NewHanover	4	US 117/NC 132 (S. COLLEGE ROAD)	FROM US 117 (SHIPYARD BLVD.) TO 0.07 MI. SOUTH OF SR 2313 (WILSHIRE BLVD.) MP 3.56-MP 4.73	1.17	74							80		2,795		13,464	5,152	1,088	780	122		520	
TOTAL FOR MAP NO. 4					1.17								80		2,795		13,464	5,152	1,088	780	122		520	
3CR.10651.138	NewHanover	5	US 117 SBL (SHIPYARD BOULEVARD)	FROM NC 132 (S. COLLEGE ROAD) TO 0.20 MI. EAST OF US 421 (CAROLINA BEACH ROAD) MP 11.85-MP 14.49	2.64	36			1			1	60		1,910	13,478		10,042	64	300			374	
TOTAL FOR MAP NO. 5					2.64				1			1	60		1,910	13,478		10,042	64	300			374	
3CR.10651.138	NewHanover	6	US 117 NBL (SHIPYARD BOULEVARD)	FROM 0.05 MI. EAST OF US 421 (CAROLINA BEACH ROAD) TO NC 132 (S. COLLEGE ROAD) MP 0.86-MP 3.56	2.73	36			1			1	60		10,354	13,278	612	8,978	805	718			374	
TOTAL FOR MAP NO. 6					2.73				1			1	60		10,354	13,278	612	8,978	805	718			374	
3CR.10651.138	NewHanover	7	US 74 EBL (EASTWOOD ROAD)	FROM 0.17 MI. WEST OF SR 1409 (MILITARY CUTOFF) TO END DIVIDED SECTION MP 8.69-MP 9.55	0.86	36							10					4,106	150				334	
TOTAL FOR MAP NO. 7					0.86								10					4,106	150				334	
3CR.10651.138	NewHanover	8	US 74 WBL (EASTWOOD ROAD)	FROM END DIVIDED SECTION TO 0.17 MI. WEST OF SR 1409 (MILITARY CUTOFF) MP 3.56-MP 4.37	0.86	24							10					4,128	150				122	
TOTAL FOR MAP NO. 8					0.86								10					4,128	150				122	
3CR.10651.138	NewHanover	9	US 74 (EASTWOOD ROAD)	FROM END DIVIDED HIGHWAY TO I.C.W.W. BRIDGE MP 9.55-MP 10.84	1.29	76							5		1,460	1,236	2,668	2,384	1,260					
TOTAL FOR MAP NO. 9					1.29								5		1,460	1,236	2,668	2,384	1,260					
3CR.10651.138	NewHanover	10	US 74 EBL (EASTWOOD ROAD)	FROM I.C.W.W. BRIDGE TO END DIVIDED HIGHWAY (0.34 MI. EAST OF BRIDGE) MP 10.12-MP MP 10.46	0.34	24							5		1,795	1,795	200	449	1,793					
TOTAL FOR MAP NO. 10					0.34								5		1,795	1,795	200	449	1,793					
3CR.10651.138	NewHanover	11	US 74 WBL (EASTWOOD ROAD)	FROM END DIVIDED HIGHWAY (0.34 MI. EAST OF BRIDGE) TO I.C.W.W. BRIDGE MP 2.66-MP 2.99	0.33	24							5		1,795	1,000		449	974					
TOTAL FOR MAP NO. 11					0.33								5		1,795	1,000		449	974					
3CR.10651.138	NewHanover	12	US 76 (OLEANDER DRIVE)	FROM 0.05 MI. WEST OF OF HAWTHORNE DRIVE TO 0.15 MI. SOUTH OF US 74 (EASTWOOD ROAD) MP 5.70-MP 8.47	2.77	73			2			2	75		22,317		34,926	10,427			156	15		
TOTAL FOR MAP NO. 12					2.77				2			2	75		22,317		34,926	10,427			156	15		
TOTAL FOR PROJ NO. 3CR.10651.138					14.24				4			4	330		49,277	34,185	51,870	47,469	6,780	1,798	278	15	1,724	
															83,462		99,339				293			
3CR.20101.138	Brunswick	13	SR 1340 (EXUM ROAD)	FROM SR 1335 (BIG NECK RD.) TO EXUM RD./CAMP BRANCH RD. INTERSECTION MP 0.00-MP 4.15	4.15	18																		
TOTAL FOR MAP NO. 13					4.15																			
3CR.20101.138	Brunswick	14	SR 1119 (STANLEY ROAD)	FROM SR 1130 (MT. PISGAH RD.) TO CEDAR GROVE MIDDLE SCHOOL MP 0.00-MP 2.80	2.8	22																		
TOTAL FOR MAP NO. 14					2.8																			
3CR.20101.138	Brunswick	15	SR 1132 (CIVIETOWN ROAD)	FROM NC 130 (HOLDEN BEACH RD.) TO SR 1130 (MT. PISGAH RD.) MP 0.00-MP 2.30	2.3	22																		
TOTAL FOR MAP NO. 15					2.3																			

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	60	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4710000000-E 24" X 120 M WHITE THERMO LF	4721000000-E THERMO MSG SCHOOL 120 M EA	4721000000-E THERMO MSG ONLY 120 M EA	4721000000-E THERMO RXR 120 M EA	4725000000-E THERMO LT ARROW 90 M EA	4725000000-E THERMO RT ARROW 90 M EA	4725000000-E THERMO STR & RT ARROW 90 M EA	4725000000-E THERMO STR ARROW 90 M EA	4725000000-E MERGE ARROW 90 M EA	4725000000-E THERMO RAMP ARROW 90 M EA	4725000000-E THERMO STR & LT ARROW 90 M EA	4726000000-E HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING LINES LF	4770000000-E COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE 4 (4") LF	4780000000-E COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE 4 (8") LF	4795000000-E COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE 4 (24") LF	4805000000-N COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE 4 EA	4810000000-E 4" WHITE PAINT LF	4810000000-E 4" YELLOW PAINT LF
3CR.10101.138	Brunswick	1	NC 133	FROM SR 1518 (DAW'S CREEK RD.) TO 0.33 MI. SOUTH OR SR 1554 (RIVER RD.) MP 19.47-MP 26.67	7.171	30	100	12			10	44											81,333	78,896
TOTAL FOR MAP NO. 1					7.171		100	12			10	44											81,333	78,896
TOTAL FOR PROJ NO. 3CR.10101.138					7.171		100	12			10	44											81,333	78,896
								12			54												160,229	
3CR.10651.138	NewHanover	2	US 117/NC 132 SBL (N. COLLEGE ROAD)	FROM 0.18 MI. SOUTH OF SR 1322 (MURRAYVILLE ROAD) TO SR 2048 (GORDON ROAD) MP 5.84-MP 6.46	0.62	34	42				2	2	2	2									4,632	1,699
TOTAL FOR MAP NO. 2					0.62		42				2	2	2	2									4,632	1,699
3CR.10651.138	NewHanover	3	US 117/NC 132 NBL (N. COLLEGE ROAD)	FROM SR 2048 (GORDON ROAD) TO 0.18 MI. SOUTH OF SR 1322 (MURRAYVILLE ROAD) MP 9.10-MP 9.73	0.63	28																	3,572	1,370
TOTAL FOR MAP NO. 3					0.63																		3,572	1,370
3CR.10651.138	NewHanover	4	US 117/NC 132 (S. COLLEGE ROAD)	FROM US 117 (SHIPYARD BLVD.) TO 0.07 MI. SOUTH OF SR 2313 (WILSHIRE BLVD.) MP 3.56-MP 4.73	1.17	74	898		4		41	6	20	46				530					7,947	13,464
TOTAL FOR MAP NO. 4					1.17		898		4		41	6	20	46				530					7,947	13,464
3CR.10651.138	NewHanover	5	US 117 SBL (SHIPYARD BOULEVARD)	FROM NC 132 (S. COLLEGE ROAD) TO 0.20 MI. EAST OF US 421 (CAROLINA BEACH ROAD) MP 11.85-MP 14.49	2.64	36	1,233	6	16		38	5	30	59									11,952	13,478
TOTAL FOR MAP NO. 5					2.64		1,233	6	16		38	5	30	59									11,952	13,478
3CR.10651.138	NewHanover	6	US 117 NBL (SHIPYARD BOULEVARD)	FROM 0.05 MI. EAST OF US 421 (CAROLINA BEACH ROAD) TO NC 132 (S. COLLEGE ROAD) MP 0.86-MP 3.56	2.73	36	1,081	24	16		33	22	16	63	2								19,332	13,890
TOTAL FOR MAP NO. 6					2.73		1,081	24	16		33	22	16	63	2								19,332	13,890
3CR.10651.138	NewHanover	7	US 74 EBL (EASTWOOD ROAD)	FROM 0.17 MI. WEST OF SR 1409 (MILITARY CUTOFF) TO END DIVIDED SECTION MP 8.69-MP 9.55	0.86	36	852				20	16	2	22				166					4,106	
TOTAL FOR MAP NO. 7					0.86		852				20	16	2	22				166					4,106	
3CR.10651.138	NewHanover	8	US 74 WBL (EASTWOOD ROAD)	FROM END DIVIDED SECTION TO 0.17 MI. WEST OF SR 1409 (MILITARY CUTOFF) MP 3.56-MP 4.37	0.86	24	388				9	14		18									4,128	
TOTAL FOR MAP NO. 8					0.86		388				9	14		18									4,128	
3CR.10651.138	NewHanover	9	US 74 (EASTWOOD ROAD)	FROM END DIVIDED HIGHWAY TO I.C.W.W. BRIDGE MP 9.55-MP 10.84	1.29	76	270				11	9	2	7					1,200	200	100	5	3,844	3,904
TOTAL FOR MAP NO. 9					1.29		270				11	9	2	7					1,200	200	100	5	3,844	3,904
3CR.10651.138	NewHanover	10	US 74 EBL (EASTWOOD ROAD)	FROM I.C.W.W. BRIDGE TO END DIVIDED HIGHWAY (0.34 MI. EAST OF BRIDGE) MP 10.12-MP MP 10.46	0.34	24	20				2	2		5									2,244	1,995
TOTAL FOR MAP NO. 10					0.34		20				2	2		5									2,244	1,995
3CR.10651.138	NewHanover	11	US 74 WBL (EASTWOOD ROAD)	FROM END DIVIDED HIGHWAY (0.34 MI. EAST OF BRIDGE) TO I.C.W.W. BRIDGE MP 2.66-MP 2.99	0.33	24	44				2		3	3									2,244	1,000
TOTAL FOR MAP NO. 11					0.33		44				2		3	3									2,244	1,000
3CR.10651.138	NewHanover	12	US 76 (OLEANDER DRIVE)	FROM 0.05 MI. WEST OF OF HAWTHORNE DRIVE TO 0.15 MI. SOUTH OF US 74 (EASTWOOD ROAD) MP 5.70-MP 8.47	2.77	73	599				93	20	6	21									32,735	35,665
TOTAL FOR MAP NO. 12					2.77		599				93	20	6	21									32,735	35,665
TOTAL FOR PROJ NO. 3CR.10651.138					14.24		5,427	30	36		251	96	81	246	2			696	1,200	200	100	5	96,736	86,465
									66					676									183,201	
3CR.20101.138	Brunswick	13	SR 1340 (EXUM ROAD)	FROM SR 1335 (BIG NECK RD.) TO EXUM RD./CAMP BRANCH RD. INTERSECTION MP 0.00-MP 4.15	4.15	18																	87,648	54,780
TOTAL FOR MAP NO. 13					4.15																		87,648	54,780
3CR.20101.138	Brunswick	14	SR 1119 (STANLEY ROAD)	FROM SR 1130 (MT. PISGAH RD.) TO CEDAR GROVE MIDDLE SCHOOL MP 0.00-MP 2.80	2.8	22																	59,136	36,960
TOTAL FOR MAP NO. 14					2.8																		59,136	36,960
3CR.20101.138	Brunswick	15	SR 1132 (CIVIETOWN ROAD)	FROM NC 130 (HOLDEN BEACH RD.) TO SR 1130 (MT. PISGAH RD.) MP 0.00-MP 2.30	2.3	22																	48,576	30,360
TOTAL FOR MAP NO. 15					2.3																		48,576	30,360

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	6	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4815000000-E 6" WHITE PAINT LF	4815000000-E 6" YELLOW PAINT LF	4820000000-E 8" WHITE PAINT LF	4825000000-E 12" YELLOW PAINT LF	4825000000-E 12" WHITE PAINT LF	4835000000-E 24" WHITE PAINT LF	4840000000-N PAINT MSG SCHOOL EA	4840000000-N PAINT MSG ONLY EA	4845000000-N PAINT LT ARROW EA	4845000000-N PAINT RT ARROW EA	4845000000-N PAINT STR & RT ARROW EA	4845000000-N PAINT STR ARROW EA	4845000000-N MERGE ARROW EA	4845000000-N PAINT RAMP ARROW EA	4845000000-N PAINT STR & LT ARROW EA	4847100000-E 6" WHITE POLYUREA LF	4847100000-E 6" YELLOW POLYUREA LF	4850000000-E 4" LINE REMOVAL LF
3CR.10101.138	Brunswick	1	NC 133	FROM SR 1518 (DAW'S CREEK RD.) TO 0.33 MI. SOUTH OR SR 1554 (RIVER RD.) MP 19.47-MP 26.67	7.171	30				1,002		100	12		10	41								500
TOTAL FOR MAP NO. 1					7.171					1,002		100	12		10	41								500
TOTAL FOR PROJ NO. 3CR.10101.138					7.171					1,002		100	12		10	41								500
										1,002			12		51									
3CR.10651.138	NewHanover	2	US 117/NC 132 SBL (N. COLLEGE ROAD)	FROM 0.18 MI. SOUTH OF SR 1322 (MURRAYVILLE ROAD) TO SR 2048 (GORDON ROAD) MP 5.84-MP 6.46	0.62	34						42			2	2	2	2						
TOTAL FOR MAP NO. 2					0.62							42			2	2	2	2						
3CR.10651.138	NewHanover	3	US 117/NC 132 NBL (N. COLLEGE ROAD)	FROM SR 2048 (GORDON ROAD) TO 0.18 MI. SOUTH OF SR 1322 (MURRAYVILLE ROAD) MP 9.10-MP 9.73	0.63	28			496			329												
TOTAL FOR MAP NO. 3					0.63				496			329												
3CR.10651.138	NewHanover	4	US 117/NC 132 (S. COLLEGE ROAD)	FROM US 117 (SHIPYARD BLVD.) TO 0.07 MI. SOUTH OF SR 2313 (WILSHIRE BLVD.) MP 3.56-MP 4.73	1.17	74			1,868	122	520	898		4	41	6	20	46						750
TOTAL FOR MAP NO. 4					1.17				1,868	122	520	898		4	41	6	20	46						750
3CR.10651.138	NewHanover	5	US 117 SBL (SHIPYARD BOULEVARD)	FROM NC 132 (S. COLLEGE ROAD) TO 0.20 MI. EAST OF US 421 (CAROLINA BEACH ROAD) MP 11.85-MP 14.49	2.64	36			364		374	1,233	6	16	38	5	30	59						500
TOTAL FOR MAP NO. 5					2.64				364		374	1,233	6	16	38	5	30	59						500
3CR.10651.138	NewHanover	6	US 117 NBL (SHIPYARD BOULEVARD)	FROM 0.05 MI. EAST OF US 421 (CAROLINA BEACH ROAD) TO NC 132 (S. COLLEGE ROAD) MP 0.86-MP 3.56	2.73	36			1,523		374	1,081	24	16	33	22	16	63	2					500
TOTAL FOR MAP NO. 6					2.73				1,523		374	1,081	24	16	33	22	16	63	2					500
3CR.10651.138	NewHanover	7	US 74 EBL (EASTWOOD ROAD)	FROM 0.17 MI. WEST OF SR 1409 (MILITARY CUTOFF) TO END DIVIDED SECTION MP 8.69-MP 9.55	0.86	36			150		334	852			20	16	2	22						300
TOTAL FOR MAP NO. 7					0.86				150		334	852			20	16	2	22						300
3CR.10651.138	NewHanover	8	US 74 WBL (EASTWOOD ROAD)	FROM END DIVIDED SECTION TO 0.17 MI. WEST OF SR 1409 (MILITARY CUTOFF) MP 3.56-MP 4.37	0.86	24			150		122	388			9	14		18						300
TOTAL FOR MAP NO. 8					0.86				150		122	388			9	14		18						300
3CR.10651.138	NewHanover	9	US 74 (EASTWOOD ROAD)	FROM END DIVIDED HIGHWAY TO I.C.W.W. BRIDGE MP 9.55-MP 10.84	1.29	76			1,260			270			22	18	4	14						300
TOTAL FOR MAP NO. 9					1.29				1,260			270			22	18	4	14						300
3CR.10651.138	NewHanover	10	US 74 EBL (EASTWOOD ROAD)	FROM I.C.W.W. BRIDGE TO END DIVIDED HIGHWAY (0.34 MI. EAST OF BRIDGE) MP 10.12-MP MP 10.46	0.34	24			1,793			20			2	2		5						
TOTAL FOR MAP NO. 10					0.34				1,793			20			2	2		5						
3CR.10651.138	NewHanover	11	US 74 WBL (EASTWOOD ROAD)	FROM END DIVIDED HIGHWAY (0.34 MI. EAST OF BRIDGE) TO I.C.W.W. BRIDGE MP 2.66-MP 2.99	0.33	24			974			44			2		3	3						
TOTAL FOR MAP NO. 11					0.33				974			44			2		3	3						
3CR.10651.138	NewHanover	12	US 76 (OLEANDER DRIVE)	FROM 0.05 MI. WEST OF OF HAWTHORNE DRIVE TO 0.15 MI. SOUTH OF US 74 (EASTWOOD ROAD) MP 5.70-MP 8.47	2.77	73				171		529			84	20	4	19						500
TOTAL FOR MAP NO. 12					2.77					171		529			84	20	4	19						500
TOTAL FOR PROJ NO. 3CR.10651.138					14.24				8,578	293	1,724	5,686	30	36	253	105	81	251	2					3,150
										2,017			66					692						
3CR.20101.138	Brunswick	13	SR 1340 (EXUM ROAD)	FROM SR 1335 (BIG NECK RD.) TO EXUM RD./CAMP BRANCH RD. INTERSECTION MP 0.00-MP 4.15	4.15	18																		
TOTAL FOR MAP NO. 13					4.15																			
3CR.20101.138	Brunswick	14	SR 1119 (STANLEY ROAD)	FROM SR 1130 (MT. PISGAH RD.) TO CEDAR GROVE MIDDLE SCHOOL MP 0.00-MP 2.80	2.8	22																		
TOTAL FOR MAP NO. 14					2.8																			
3CR.20101.138	Brunswick	15	SR 1132 (CIVIETOWN ROAD)	FROM NC 130 (HOLDEN BEACH RD.) TO SR 1130 (MT. PISGAH RD.) MP 0.00-MP 2.30	2.3	22																		
TOTAL FOR MAP NO. 15					2.3																			

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	62	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4860000000-E 8" LINE REMOVAL LF	4865000000-E 12" LINE REMOVAL LF	4870000000-E 24" LINE REMOVAL LF	4875000000-N REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS EA	4900000000-N YELLOW & YELLOW MARKERS EA	4905000000-N SNOW PLOWABLE MARKERS (Y/Y) EA	4905000000-N SNOW PLOWABLE MARKERS (C/R) EA
3CR.10101.138	Brunswick	1	NC 133	FROM SR 1518 (DAW'S CREEK RD.) TO 0.33 MI. SOUTH OR SR 1554 (RIVER RD.) MP 19.47-MP 26.67	7.171	30	200	200	100	5		548	129
TOTAL FOR MAP NO. 1					7.171		200	200	100	5		548	129
TOTAL FOR PROJ NO. 3CR.10101.138					7.171		200	200	100	5		548	129
												677	
3CR.10651.138	NewHanover	2	US 117/NC 132 SBL (N. COLLEGE ROAD)	FROM 0.18 MI. SOUTH OF SR 1322 (MURRAYVILLE ROAD) TO SR 2048 (GORDON ROAD) MP 5.84-MP 6.46	0.62	34						55	41
TOTAL FOR MAP NO. 2					0.62							55	41
3CR.10651.138	NewHanover	3	US 117/NC 132 NBL (N. COLLEGE ROAD)	FROM SR 2048 (GORDON ROAD) TO 0.18 MI. SOUTH OF SR 1322 (MURRAYVILLE ROAD) MP 9.10-MP 9.73	0.63	28							31
TOTAL FOR MAP NO. 3					0.63								31
3CR.10651.138	NewHanover	4	US 117/NC 132 (S. COLLEGE ROAD)	FROM US 117 (SHIPYARD BLVD.) TO 0.07 MI. SOUTH OF SR 2313 (WILSHIRE BLVD.) MP 3.56-MP 4.73	1.17	74	125	30	100	12		129	459
TOTAL FOR MAP NO. 4					1.17		125	30	100	12		129	459
3CR.10651.138	NewHanover	5	US 117 SBL (SHIPYARD BOULEVARD)	FROM NC 132 (S. COLLEGE ROAD) TO 0.20 MI. EAST OF US 421 (CAROLINA BEACH ROAD) MP 11.85-MP 14.49	2.64	36	100	75	100				583
TOTAL FOR MAP NO. 5					2.64		100	75	100				583
3CR.10651.138	NewHanover	6	US 117 NBL (SHIPYARD BOULEVARD)	FROM 0.05 MI. EAST OF US 421 (CAROLINA BEACH ROAD) TO NC 132 (S. COLLEGE ROAD) MP 0.86-MP 3.56	2.73	36	100	75	100			8	708
TOTAL FOR MAP NO. 6					2.73		100	75	100			8	708
3CR.10651.138	NewHanover	7	US 74 EBL (EASTWOOD ROAD)	FROM 0.17 MI. WEST OF SR 1409 (MILITARY CUTOFF) TO END DIVIDED SECTION MP 8.69-MP 9.55	0.86	36	100	25	100	6			170
TOTAL FOR MAP NO. 7					0.86		100	25	100	6			170
3CR.10651.138	NewHanover	8	US 74 WBL (EASTWOOD ROAD)	FROM END DIVIDED SECTION TO 0.17 MI. WEST OF SR 1409 (MILITARY CUTOFF) MP 3.56-MP 4.37	0.86	24	100	25	100	6			170
TOTAL FOR MAP NO. 8					0.86		100	25	100	6			170
3CR.10651.138	NewHanover	9	US 74 (EASTWOOD ROAD)	FROM END DIVIDED HIGHWAY TO I.C.W.W. BRIDGE MP 9.55-MP 10.84	1.29	76	100	25	100	6		86	120
TOTAL FOR MAP NO. 9					1.29		100	25	100	6		86	120
3CR.10651.138	NewHanover	10	US 74 EBL (EASTWOOD ROAD)	FROM I.C.W.W. BRIDGE TO END DIVIDED HIGHWAY (0.34 MI. EAST OF BRIDGE) MP 10.12-MP MP 10.46	0.34	24			50			4	24
TOTAL FOR MAP NO. 10					0.34				50			4	24
3CR.10651.138	NewHanover	11	US 74 WBL (EASTWOOD ROAD)	FROM END DIVIDED HIGHWAY (0.34 MI. EAST OF BRIDGE) TO I.C.W.W. BRIDGE MP 2.66-MP 2.99	0.33	24			50				24
TOTAL FOR MAP NO. 11					0.33				50				24
3CR.10651.138	NewHanover	12	US 76 (OLEANDER DRIVE)	FROM 0.05 MI. WEST OF OF HAWTHORNE DRIVE TO 0.15 MI. SOUTH OF US 74 (EASTWOOD ROAD) MP 5.70-MP 8.47	2.77	73	100	25	100	8		360	880
TOTAL FOR MAP NO. 12					2.77		100	25	100	8		360	880
TOTAL FOR PROJ NO. 3CR.10651.138					14.24		725	280	800	38		642	3,210
												3,852	
3CR.20101.138	Brunswick	13	SR 1340 (EXUM ROAD)	FROM SR 1335 (BIG NECK RD.) TO EXUM RD./CAMP BRANCH RD. INTERSECTION MP 0.00-MP 4.15	4.15	18					274		
TOTAL FOR MAP NO. 13					4.15						274		
3CR.20101.138	Brunswick	14	SR 1119 (STANLEY ROAD)	FROM SR 1130 (MT. PISGAH RD.) TO CEDAR GROVE MIDDLE SCHOOL MP 0.00-MP 2.80	2.8	22					185		
TOTAL FOR MAP NO. 14					2.8						185		
3CR.20101.138	Brunswick	15	SR 1132 (CIVIETOWN ROAD)	FROM NC 130 (HOLDEN BEACH RD.) TO SR 1130 (MT. PISGAH RD.) MP 0.00-MP 2.30	2.3	22					152		
TOTAL FOR MAP NO. 15					2.3						152		

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	63	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4400000000-E STATIONARY WORK ZONE SIGN SF	4405000000-E PORTABLE WORK ZONE SIGN SF	4415000000-N FLASHING ARROW BOARD EA	4420000000-N PORTABLE CHANGEABLE MESSAGE SIGN EA	4430000000-N DRUMS EA	4480000000-N TMA EA	4510000000-N LAW ENFORCEMENT HR	4589000000-N TRAFFIC CONTROL - LUMP SUM LS	4685000000-E 4" X 90 M WHITE THERMO LF	4685000000-E 4" X 90 M YELLOW THERMO LF	4686000000-E 4" X 120 M YELLOW THERMO LF	4686000000-E 4" X 120 M WHITE THERMO LF	4695000000-E 8" X 90 M WHITE THERMO LF	4697000000-E 8" X 120 M WHITE THERMO LF	4700000000-E 12" X 90 M YELLOW THERMO LF	4700000000-E 12" X 90 M WHITE THERMO LF	4702000000-E 12" X 120 M WHITE THERMO LF	4705000000-E 16" X 120 M WHITE THERMO LF
3CR.20101.138	Brunswick	16	SR 1184 (OCEAN ISLE BEACH ROAD)	FROM US 17 TO 0.27 FROM NC 179 MP 0.00-MP 3.28	3.29	28																		
TOTAL FOR MAP NO. 16					3.29																			
TOTAL FOR PROJ NO. 3CR.20101.138					12.54																			
3CR.20651.138	NewHanover	17	SR 1302 (23RD STREET)	FROM END C&G (NORTH RADII) AIRPORT BLVD. TO NC 133 (CASTLE HAYNE RD.) MP 2.04-MP 2.56	0.52	37									5,698		7,946	473			150			200
TOTAL FOR MAP NO. 17					0.52										5,698		7,946	473			150			200
3CR.20651.138	NewHanover	18	SR 1175 (KERR AVENUE)	FROM 150' NORTH OF GREENTREE ROAD TO SR 1322 (N. KERR AVENUE) MP 3.15-MP 5.89	2.74	32									29,591	1,795	18,321	264	245					
TOTAL FOR MAP NO. 18					2.74										29,591	1,795	18,321	264	245					
3CR.20651.138	NewHanover	19	SR 1327 (FARLEY DRIVE)	FROM SR 1322 (N. KERR AVENUE TO SR 1175 (KERR AVENUE) MP 0.00-MP 0.26	0.26	22									2,850		2,746							
TOTAL FOR MAP NO. 19					0.26										2,850		2,746							
3CR.20651.138	NewHanover	20	SR 1518 (WHIPPORWILL LANE)	FROM SR 1492 (MASONBORO LOOP ROAD) TO DEAD END MP 0.00-MP 0.40	0.4	20																		
TOTAL FOR MAP NO. 20					0.4																			
3CR.20651.138	NewHanover	21	SR 1620 (CHANNEL HAVEN DRIVE)	FROM SR 1492 (MASONBORO LOOP ROAD) TO SR 1621 (CHANNEL HAVEN DRIVE) MP 0.00-MP 0.05	0.05	20																		
TOTAL FOR MAP NO. 21					0.05																			
3CR.20651.138	NewHanover	22	SR 1621 (CHANNEL HAVEN DRIVE)	FROM SR 1622 (AQUA DRIVE) TO SR 1623 (MARSH HEN DRIVE) MP 0.00-MP 0.43	0.43	10																		
TOTAL FOR MAP NO. 22					0.43																			
3CR.20651.138	NewHanover	23	SR 1622 (AQUA DRIVE)	FROM SR 1621 (CHANNEL HAVEN DRIVE) TO END MAINTENANCE MP 0.00-MP 0.52	0.52	18																		
TOTAL FOR MAP NO. 23					0.52																			
3CR.20651.138	NewHanover	24	SR 1623 (MARSH HEN DRIVE)	FROM DEAD END TO END MAINTENANCE MP 0.00-MP 0.18	0.18	18																		
TOTAL FOR MAP NO. 24					0.18																			
3CR.20651.138	NewHanover	25	SR 1706 (BRIGHTON ROAD)	FROM SR 1643 (HORNDALE ROAD) TO END MAINTENANCE MP 0.20-MP 0.32	0.12	20																		
TOTAL FOR MAP NO. 25					0.12																			
3CR.20651.138	NewHanover	26	SR 1707 (CORNWELL COURT)	FROM SR 1706 (BRIGHTON ROAD) TO DEAD END MP 0.00-MP 0.05	0.05	20																		
TOTAL FOR MAP NO. 26					0.05																			
3CR.20651.138	NewHanover	27	SR 2009 (SHELLEY DRIVE)	FROM SR 2006 (BROWNING ROAD) TO SR 2016 (LORD THOMAS ROAD) MP 0.12-MP 0.41	0.29	20																		
TOTAL FOR MAP NO. 27					0.29																			
3CR.20651.138	NewHanover	28	SR 2217 (GOLDEN ROD DRIVE)	FROM SR 2269 (BIRD'S NEST COURT) TO SR 2218 (SILKWOOD COURT) MP 0.08-MP 0.22	0.14	20																		
TOTAL FOR MAP NO. 28					0.14																			
3CR.20651.138	NewHanover	29	SR 1409 (MILITARY CUTOFF ROAD)	FROM US 74 (EASTWOOD ROAD) TO 0.17 MI. NORTH OF US 74 (EASTWOOD ROAD) MP 0.00-MP 0.17	0.17	78											2,852	805			84			
TOTAL FOR MAP NO. 29					0.17												2,852	805			84			
3CR.20651.138	NewHanover	30	SR 2048 (GORDON ROAD)	FROM SR 1175 (KERR AVENUE) TO I-40 EASTBOUND RAMP MP 0.00-MP 0.69	0.69	30									7,562		7,286	96						
TOTAL FOR MAP NO. 30					0.69										7,562		7,286	96						
3CR.20651.138	NewHanover	31	SR 2048 WBL (GORDON ROAD)	FROM 0.20 MI. EAST OF US 117/NC 132 TO US 117/NC 132 INTERSECTION MP 0.89-MP 0.69	0.2	30									264			357						
TOTAL FOR MAP NO. 31					0.2										264			357						
3CR.20651.138	NewHanover	32	SR 2048 EBL (GORDON ROAD)	FROM US 117/NC 132 INTERSECTION TO 0.20 MI. EAST OF US 117/NC 132 MP 0.69-MP 0.89	0.21	30									264			397						
TOTAL FOR MAP NO. 32					0.21										264			397						

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	64	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4710000000-E 24" X 120 M WHITE THERMO LF	4721000000-E THERMO MSG SCHOOL 120 M EA	4721000000-E THERMO MSG ONLY 120 M EA	4721000000-E THERMO RXR 120 M EA	4725000000-E THERMO LT ARROW 90 M EA	4725000000-E THERMO RT ARROW 90 M EA	4725000000-E THERMO STR & RT ARROW 90 M EA	4725000000-E THERMO STR ARROW 90 M EA	4725000000-E MERGE ARROW 90 M EA	4725000000-E THERMO RAMP ARROW 90 M EA	4725000000-E THERMO STR & LT ARROW 90 M EA	4726000000-E HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING LINES LF	4770000000-E COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE 4 (4") LF	4780000000-E COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE 4 (8") LF	4795000000-E COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE 4 (24") LF	4805000000-N COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE 4 EA	4810000000-E 4" WHITE PAINT LF	4810000000-E 4" YELLOW PAINT LF
3CR.20101.138	Brunswick	16	SR 1184 (OCEAN ISLE BEACH ROAD)	FROM US 17 TO 0.27 FROM NC 179 MP 0.00-MP 3.28	3.29	28																	61,458	38,412
TOTAL FOR MAP NO. 16					3.29																		61,458	38,412
TOTAL FOR PROJ NO. 3CR.20101.138					12.54																		256,818	160,512
																							417,330	
3CR.20651.138	NewHanover	17	SR 1302 (23RD STREET)	FROM END C&G (NORTH RADII) AIRPORT BLVD. TO NC 133 (CASTLE HAYNE RD.) MP 2.04-MP 2.56	0.52	37	239			8	12	2		1	3									
TOTAL FOR MAP NO. 17					0.52		239			8	12	2		1	3									
3CR.20651.138	NewHanover	18	SR 1175 (KERR AVENUE)	FROM 150' NORTH OF GREENTREE ROAD TO SR 1322 (N. KERR AVENUE) MP 3.15-MP 5.89	2.74	32	90				2	2											4,274	4,118
TOTAL FOR MAP NO. 18					2.74		90				2	2											4,274	4,118
3CR.20651.138	NewHanover	19	SR 1327 (FARLEY DRIVE)	FROM SR 1322 (N. KERR AVENUE TO SR 1175 (KERR AVENUE) MP 0.00-MP 0.26	0.26	22																		
TOTAL FOR MAP NO. 19					0.26																			
3CR.20651.138	NewHanover	20	SR 1518 (WHIPPORWILL LANE)	FROM SR 1492 (MASONBORO LOOP ROAD) TO DEAD END MP 0.00-MP 0.40	0.4	20																		
TOTAL FOR MAP NO. 20					0.4																			
3CR.20651.138	NewHanover	21	SR 1620 (CHANNEL HAVEN DRIVE)	FROM SR 1492 (MASONBORO LOOP ROAD) TO SR 1621 (CHANNEL HAVEN DRIVE) MP 0.00-MP 0.05	0.05	20																		
TOTAL FOR MAP NO. 21					0.05																			
3CR.20651.138	NewHanover	22	SR 1621 (CHANNEL HAVEN DRIVE)	FROM SR 1622 (AQUA DRIVE) TO SR 1623 (MARSH HEN DRIVE) MP 0.00-MP 0.43	0.43	10																		
TOTAL FOR MAP NO. 22					0.43																			
3CR.20651.138	NewHanover	23	SR 1622 (AQUA DRIVE)	FROM SR 1621 (CHANNEL HAVEN DRIVE) TO END MAINTENANCE MP 0.00-MP 0.52	0.52	18																		
TOTAL FOR MAP NO. 23					0.52																			
3CR.20651.138	NewHanover	24	SR 1623 (MARSH HEN DRIVE)	FROM DEAD END TO END MAINTENANCE MP 0.00-MP 0.18	0.18	18																		
TOTAL FOR MAP NO. 24					0.18																			
3CR.20651.138	NewHanover	25	SR 1706 (BRIGHTON ROAD)	FROM SR 1643 (HORNDALE ROAD) TO END MAINTENANCE MP 0.20-MP 0.32	0.12	20																		
TOTAL FOR MAP NO. 25					0.12																			
3CR.20651.138	NewHanover	26	SR 1707 (CORNWELL COURT)	FROM SR 1706 (BRIGHTON ROAD) TO DEAD END MP 0.00-MP 0.05	0.05	20																		
TOTAL FOR MAP NO. 26					0.05																			
3CR.20651.138	NewHanover	27	SR 2009 (SHELLEY DRIVE)	FROM SR 2006 (BROWNING ROAD) TO SR 2016 (LORD THOMAS ROAD) MP 0.12-MP 0.41	0.29	20																		
TOTAL FOR MAP NO. 27					0.29																			
3CR.20651.138	NewHanover	28	SR 2217 (GOLDEN ROD DRIVE)	FROM SR 2269 (BIRD'S NEST COURT) TO SR 2218 (SILKWOOD COURT) MP 0.08-MP 0.22	0.14	20																		
TOTAL FOR MAP NO. 28					0.14																			
3CR.20651.138	NewHanover	29	SR 1409 (MILITARY CUTOFF ROAD)	FROM US 74 (EASTWOOD ROAD) TO 0.17 MI. NORTH OF US 74 (EASTWOOD ROAD) MP 0.00-MP 0.17	0.17	78	78				9	3	3	3									805	2,852
TOTAL FOR MAP NO. 29					0.17		78				9	3	3	3									805	2,852
3CR.20651.138	NewHanover	30	SR 2048 (GORDON ROAD)	FROM SR 1175 (KERR AVENUE) TO I-40 EASTBOUND RAMP MP 0.00-MP 0.69	0.69	30	194				1		1											
TOTAL FOR MAP NO. 30					0.69		194				1		1											
3CR.20651.138	NewHanover	31	SR 2048 WBL (GORDON ROAD)	FROM 0.20 MI. EAST OF US 117/NC 132 TO US 117/NC 132 INTERSECTION MP 0.89-MP 0.69	0.2	30			8		4	4	1	2									621	
TOTAL FOR MAP NO. 31					0.2				8		4	4	1	2									621	
3CR.20651.138	NewHanover	32	SR 2048 EBL (GORDON ROAD)	FROM US 117/NC 132 INTERSECTION TO 0.20 MI. EAST OF US 117/NC 132 MP 0.69-MP 0.89	0.21	30	46				3				3								661	
TOTAL FOR MAP NO. 32					0.21		46				3				3								661	

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	65	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4815000000-E 6" WHITE PAINT LF	4815000000-E 6" YELLOW PAINT LF	4820000000-E 8" WHITE PAINT LF	4825000000-E 12" YELLOW PAINT LF	4825000000-E 12" WHITE PAINT LF	4835000000-E 24" WHITE PAINT LF	4840000000-N PAINT MSG SCHOOL EA	4840000000-N PAINT MSG ONLY EA	4845000000-N PAINT LT ARROW EA	4845000000-N PAINT RT ARROW EA	4845000000-N PAINT STR & RT ARROW EA	4845000000-N PAINT STR ARROW EA	4845000000-N MERGE ARROW EA	4845000000-N PAINT RAMP ARROW EA	4845000000-N PAINT STR & LT ARROW EA	4847100000-E 6" WHITE POLYUREA LF	4847100000-E 6" YELLOW POLYUREA LF	4850000000-E 4" LINE REMOVAL LF
3CR.20101.138	Brunswick	16	SR 1184 (OCEAN ISLE BEACH ROAD)	FROM US 17 TO 0.27 FROM NC 179 MP 0.00-MP 3.28	3.29	28				100														
TOTAL FOR MAP NO. 16					3.29																			
TOTAL FOR PROJ NO. 3CR.20101.138					12.54																			
										100														
3CR.20651.138	NewHanover	17	SR 1302 (23RD STREET)	FROM END C&G (NORTH RADII) AIRPORT BLVD. TO NC 133 (CASTLE HAYNE RD.) MP 2.04-MP 2.56	0.52	37																		
TOTAL FOR MAP NO. 17					0.52																			
3CR.20651.138	NewHanover	18	SR 1175 (KERR AVENUE)	FROM 150' NORTH OF GREENTREE ROAD TO SR 1322 (N. KERR AVENUE) MP 3.15-MP 5.89	2.74	32																		
TOTAL FOR MAP NO. 18					2.74																			
3CR.20651.138	NewHanover	19	SR 1327 (FARLEY DRIVE)	FROM SR 1322 (N. KERR AVENUE TO SR 1175 (KERR AVENUE) MP 0.00-MP 0.26	0.26	22																		
TOTAL FOR MAP NO. 19					0.26																			
3CR.20651.138	NewHanover	20	SR 1518 (WHIPPORWILL LANE)	FROM SR 1492 (MASONBORO LOOP ROAD) TO DEAD END MP 0.00-MP 0.40	0.4	20																		
TOTAL FOR MAP NO. 20					0.4																			
3CR.20651.138	NewHanover	21	SR 1620 (CHANNEL HAVEN DRIVE)	FROM SR 1492 (MASONBORO LOOP ROAD) TO SR 1621 (CHANNEL HAVEN DRIVE) MP 0.00-MP 0.05	0.05	20																		
TOTAL FOR MAP NO. 21					0.05																			
3CR.20651.138	NewHanover	22	SR 1621 (CHANNEL HAVEN DRIVE)	FROM SR 1622 (AQUA DRIVE) TO SR 1623 (MARSH HEN DRIVE) MP 0.00-MP 0.43	0.43	10																		
TOTAL FOR MAP NO. 22					0.43																			
3CR.20651.138	NewHanover	23	SR 1622 (AQUA DRIVE)	FROM SR 1621 (CHANNEL HAVEN DRIVE) TO END MAINTENANCE MP 0.00-MP 0.52	0.52	18																		
TOTAL FOR MAP NO. 23					0.52																			
3CR.20651.138	NewHanover	24	SR 1623 (MARSH HEN DRIVE)	FROM DEAD END TO END MAINTENANCE MP 0.00-MP 0.18	0.18	18																		
TOTAL FOR MAP NO. 24					0.18																			
3CR.20651.138	NewHanover	25	SR 1706 (BRIGHTON ROAD)	FROM SR 1643 (HORNDALE ROAD) TO END MAINTENANCE MP 0.20-MP 0.32	0.12	20																		
TOTAL FOR MAP NO. 25					0.12																			
3CR.20651.138	NewHanover	26	SR 1707 (CORNWELL COURT)	FROM SR 1706 (BRIGHTON ROAD) TO DEAD END MP 0.00-MP 0.05	0.05	20																		
TOTAL FOR MAP NO. 26					0.05																			
3CR.20651.138	NewHanover	27	SR 2009 (SHELLEY DRIVE)	FROM SR 2006 (BROWNING ROAD) TO SR 2016 (LORD THOMAS ROAD) MP 0.12-MP 0.41	0.29	20																		
TOTAL FOR MAP NO. 27					0.29																			
3CR.20651.138	NewHanover	28	SR 2217 (GOLDEN ROD DRIVE)	FROM SR 2269 (BIRD'S NEST COURT) TO SR 2218 (SILKWOOD COURT) MP 0.08-MP 0.22	0.14	20																		
TOTAL FOR MAP NO. 28					0.14																			
3CR.20651.138	NewHanover	29	SR 1409 (MILITARY CUTOFF ROAD)	FROM US 74 (EASTWOOD ROAD) TO 0.17 MI. NORTH OF US 74 (EASTWOOD ROAD) MP 0.00-MP 0.17	0.17	78				84		78			9	3	3	3						
TOTAL FOR MAP NO. 29					0.17					84		78			9	3	3	3						
3CR.20651.138	NewHanover	30	SR 2048 (GORDON ROAD)	FROM SR 1175 (KERR AVENUE) TO I-40 EASTBOUND RAMP MP 0.00-MP 0.69	0.69	30																		
TOTAL FOR MAP NO. 30					0.69																			
3CR.20651.138	NewHanover	31	SR 2048 WBL (GORDON ROAD)	FROM 0.20 MI. EAST OF US 117/NC 132 TO US 117/NC 132 INTERSECTION MP 0.89-MP 0.69	0.2	30								8	4	4	1	2						
TOTAL FOR MAP NO. 31					0.2									8	4	4	1	2						
3CR.20651.138	NewHanover	32	SR 2048 EBL (GORDON ROAD)	FROM US 117/NC 132 INTERSECTION TO 0.20 MI. EAST OF US 117/NC 132 MP 0.69-MP 0.89	0.21	30						46			3				3					
TOTAL FOR MAP NO. 32					0.21							46			3				3					

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	66	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4860000000-E 8" LINE REMOVAL LF	4865000000-E 12" LINE REMOVAL LF	4870000000-E 24" LINE REMOVAL LF	4875000000-N REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS EA	4900000000-N YELLOW & YELLOW MARKERS EA	4905000000-N SNOW PLOWABLE MARKERS (Y/Y) EA	4905000000-N SNOW PLOWABLE MARKERS (C/R) EA
3CR.20101.138	Brunswick	16	SR 1184 (OCEAN ISLE BEACH ROAD)	FROM US 17 TO 0.27 FROM NC 179 MP 0.00-MP 3.28	3.29	28					192		
TOTAL FOR MAP NO. 16					3.29						192		
TOTAL FOR PROJ NO. 3CR.20101.138					12.54						803		
3CR.20651.138	NewHanover	17	SR 1302 (23RD STREET)	FROM END C&G (NORTH RADII) AIRPORT BLVD. TO NC 133 (CASTLE HAYNE RD.) MP 2.04-MP 2.56	0.52	37						73	24
TOTAL FOR MAP NO. 17					0.52							73	24
3CR.20651.138	NewHanover	18	SR 1175 (KERR AVENUE)	FROM 150' NORTH OF GREENTREE ROAD TO SR 1322 (N. KERR AVENUE) MP 3.15-MP 5.89	2.74	32						178	13
TOTAL FOR MAP NO. 18					2.74							178	13
3CR.20651.138	NewHanover	19	SR 1327 (FARLEY DRIVE)	FROM SR 1322 (N. KERR AVENUE TO SR 1175 (KERR AVENUE) MP 0.00-MP 0.26	0.26	22						17	
TOTAL FOR MAP NO. 19					0.26							17	
3CR.20651.138	NewHanover	20	SR 1518 (WHIPPORWILL LANE)	FROM SR 1492 (MASONBORO LOOP ROAD) TO DEAD END MP 0.00-MP 0.40	0.4	20							
TOTAL FOR MAP NO. 20					0.4								
3CR.20651.138	NewHanover	21	SR 1620 (CHANNEL HAVEN DRIVE)	FROM SR 1492 (MASONBORO LOOP ROAD) TO SR 1621 (CHANNEL HAVEN DRIVE) MP 0.00-MP 0.05	0.05	20							
TOTAL FOR MAP NO. 21					0.05								
3CR.20651.138	NewHanover	22	SR 1621 (CHANNEL HAVEN DRIVE)	FROM SR 1622 (AQUA DRIVE) TO SR 1623 (MARSH HEN DRIVE) MP 0.00-MP 0.43	0.43	10							
TOTAL FOR MAP NO. 22					0.43								
3CR.20651.138	NewHanover	23	SR 1622 (AQUA DRIVE)	FROM SR 1621 (CHANNEL HAVEN DRIVE) TO END MAINTENANCE MP 0.00-MP 0.52	0.52	18							
TOTAL FOR MAP NO. 23					0.52								
3CR.20651.138	NewHanover	24	SR 1623 (MARSH HEN DRIVE)	FROM DEAD END TO END MAINTENANCE MP 0.00-MP 0.18	0.18	18							
TOTAL FOR MAP NO. 24					0.18								
3CR.20651.138	NewHanover	25	SR 1706 (BRIGHTON ROAD)	FROM SR 1643 (HORNDALE ROAD) TO END MAINTENANCE MP 0.20-MP 0.32	0.12	20							
TOTAL FOR MAP NO. 25					0.12								
3CR.20651.138	NewHanover	26	SR 1707 (CORNWELL COURT)	FROM SR 1706 (BRIGHTON ROAD) TO DEAD END MP 0.00-MP 0.05	0.05	20							
TOTAL FOR MAP NO. 26					0.05								
3CR.20651.138	NewHanover	27	SR 2009 (SHELLEY DRIVE)	FROM SR 2006 (BROWNING ROAD) TO SR 2016 (LORD THOMAS ROAD) MP 0.12-MP 0.41	0.29	20							
TOTAL FOR MAP NO. 27					0.29								
3CR.20651.138	NewHanover	28	SR 2217 (GOLDEN ROD DRIVE)	FROM SR 2269 (BIRD'S NEST COURT) TO SR 2218 (SILKWOOD COURT) MP 0.08-MP 0.22	0.14	20							
TOTAL FOR MAP NO. 28					0.14								
3CR.20651.138	NewHanover	29	SR 1409 (MILITARY CUTOFF ROAD)	FROM US 74 (EASTWOOD ROAD) TO 0.17 MI. NORTH OF US 74 (EASTWOOD ROAD) MP 0.00-MP 0.17	0.17	78						18	126
TOTAL FOR MAP NO. 29					0.17							18	126
3CR.20651.138	NewHanover	30	SR 2048 (GORDON ROAD)	FROM SR 1175 (KERR AVENUE) TO I-40 EASTBOUND RAMP MP 0.00-MP 0.69	0.69	30						45	13
TOTAL FOR MAP NO. 30					0.69							45	13
3CR.20651.138	NewHanover	31	SR 2048 WBL (GORDON ROAD)	FROM 0.20 MI. EAST OF US 117/NC 132 TO US 117/NC 132 INTERSECTION MP 0.89-MP 0.69	0.2	30							21
TOTAL FOR MAP NO. 31					0.2								21
3CR.20651.138	NewHanover	32	SR 2048 EBL (GORDON ROAD)	FROM US 117/NC 132 INTERSECTION TO 0.20 MI. EAST OF US 117/NC 132 MP 0.69-MP 0.89	0.21	30							19
TOTAL FOR MAP NO. 32					0.21								19

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.13B, ETC.	67	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4400000000-E STATIONARY WORK ZONE SIGN SF	4405000000-E PORTABLE WORK ZONE SIGN SF	4415000000-N FLASHING ARROW BOARD EA	4420000000-N PORTABLE CHANGEABLE MESSAGE SIGN EA	4430000000-N DRUMS EA	4480000000-N TMA EA	4510000000-N LAW ENFORCEMENT HR	4589000000-N TRAFFIC CONTROL - LUMP SUM LS	4685000000-E 4" X 90 M WHITE THERMO LF	4685000000-E 4" X 90 M YELLOW THERMO LF	4686000000-E 4" X 120 M YELLOW THERMO LF	4686000000-E 4" X 120 M WHITE THERMO LF	4695000000-E 8" X 90 M WHITE THERMO LF	4697000000-E 8" X 120 M WHITE THERMO LF	4700000000-E 12" X 90 M YELLOW THERMO LF	4700000000-E 12" X 90 M WHITE THERMO LF	4702000000-E 12" X 120 M WHITE THERMO LF	4705000000-E 16" X 120 M WHITE THERMO LF
3CR.20651.138	NewHanover	33	SR 2048 (GORDON ROAD)	FROM END OF CONCRETE MEDIAN/EAST OF I-40 WB RAMP TO SR 2698 (NETHERLANDS DRIVE) MP 0.89-MP 2.90	2.01	41									22,028		28,646	2,652			378			
TOTAL FOR MAP NO. 33					2.01										22,028		28,646	2,652			378			
TOTAL FOR PROJ NO. 3CR.20651.138					8.98										68,257	1,795	67,797	5,044	245		612			200
															70,052		72,841				612			
45242.3.1	NewHanover	34	US 76 (OLEANDER DRIVE RT. TURN LANE)	WIDENING FROM (US 76-OLEANDER DRIVE/US 117-S.COLLEGE ROAD INTERSECTION TO 0.05 MI. PAST INTERSECTION (STA. -L1- 26+92-STA. -L1- 29+59)	0.05	94								*				646						
TOTAL FOR MAP NO. 34					0.05									*				646						
TOTAL FOR PROJ NO. W-5132, 45242.3.1					0.05									1				646						
																	646							
46280.3.3	Pender	35	I-40 EBL EXIT RAMP TO US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 22'	0.16	22	112	208	1	3	175	1	105			80			185					
TOTAL FOR MAP NO. 35					0.16		112	208	1	3	175	1	105			80			185					
46280.3.3	Pender	36	I-40 EBL ENTRANCE RAMP FROM US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 20'	0.21	20																		
TOTAL FOR MAP NO. 36					0.21																			
46280.3.3	Pender	37	I-40 EBL EXIT LOOP TO NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19' (C&G)	0.15	19										70			200					
TOTAL FOR MAP NO. 37					0.15											70			200					
46280.3.3	Pender	38	I-40 EBL ENTRANCE RAMP FROM NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 20'	0.26	20										40			178					
TOTAL FOR MAP NO. 38					0.26											40			178					
46280.3.3	Pender	39	I-40 EBL EXIT RAMP TO NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 18'	0.19	18										85			288					
TOTAL FOR MAP NO. 39					0.19											85			288					
46280.3.3	Pender	40	I-40 EBL ENTRANCE RAMP FROM NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 18'	0.21	18													325					
TOTAL FOR MAP NO. 40					0.21														325					
46280.3.3	Pender	41	I-40 WBL EXIT RAMP TO NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 19'	0.17	19																		
		"	"	EXIT 408/MILL& FILL/RESURFACING TAPER 19'-39'	0.03	29										60			200					
TOTAL FOR MAP NO. 41					0.2											60			200					
46280.3.3	Pender	42	I-40 WBL ENTRANCE RAMP FROM NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 19'	0.21	19													236					
TOTAL FOR MAP NO. 42					0.21														236					
46280.3.3	Pender	43	I-40 WBL EXIT RAMP TO NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19'	0.39	19										65			165					
TOTAL FOR MAP NO. 43					0.39											65			165					
46280.3.3	Pender	44	I-40 WBL ENTRANCE LOOP FROM NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19' (C&G)	0.2	19										70			200					
TOTAL FOR MAP NO. 44					0.2											70			200					
46280.3.3	Pender	45	I-40 WBL EXIT RAMP TO US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 19'	0.19	19										88			225					
TOTAL FOR MAP NO. 45					0.19											88			225					
46280.3.3	Pender	46	I-40 WBL ENTRANCE RAMP FROM US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 22'	0.22	22																		
TOTAL FOR MAP NO. 46					0.22																			
46280.3.3	NewHanover	47	I-40 EBL EXIT LOOP TO SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18' (C&G)	0.19	18	112	208	1	3	175	1	105			75			150					
TOTAL FOR MAP NO. 47					0.19		112	208	1	3	175	1	105			75			150					
46280.3.3	NewHanover	48	I-40 EBL ENTRANCE RAMP FROM SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18'	0.36	18										60			183					

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	68	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4710000000-E 24" X 120 M WHITE THERMO LF	4721000000-E THERMO MSG SCHOOL 120 M EA	4721000000-E THERMO MSG ONLY 120 M EA	4721000000-E THERMO RXR 120 M EA	4725000000-E THERMO LT ARROW 90 M EA	4725000000-E THERMO RT ARROW 90 M EA	4725000000-E THERMO STR & RT ARROW 90 M EA	4725000000-E THERMO STR ARROW 90 M EA	4725000000-E MERGE ARROW 90 M EA	4725000000-E THERMO RAMP ARROW 90 M EA	4725000000-E THERMO STR & LT ARROW 90 M EA	4726000000-E HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING LINES LF	4770000000-E COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE 4 (4") LF	4780000000-E COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE 4 (8") LF	4795000000-E COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE 4 (24") LF	4805000000-N COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE 4 EA	4810000000-E 4" WHITE PAINT LF	4810000000-E 4" YELLOW PAINT LF
3CR.20651.138	NewHanover	33	SR 2048 (GORDON ROAD)	FROM END OF CONCRETE MEDIAN/EAST OF I-40 WB RAMP TO SR 2698 (NETHERLANDS DRIVE) MP 0.89-MP 2.90	2.01	41	202	6			25	11	4	17									24,682	28,646
TOTAL FOR MAP NO. 33					2.01		202	6			25	11	4	17									24,682	28,646
TOTAL FOR PROJ NO. 3CR.20651.138					8.98		849	6	8	8	56	22	9	23	6								31,043	35,616
									22					116									66,659	
45242.3.1	NewHanover	34	US 76 (OLEANDER DRIVE RT. TURN LANE)	WIDENING FROM (US 76-OLEANDER DRIVE/US 117-S.COLLEGE ROAD INTERSECTION TO 0.05 MI. PAST INTERSECTION (STA. -L1- 26+92-STA. -L1- 29+59)	0.05	94	58				6	2		4									646	
TOTAL FOR MAP NO. 34					0.05		58				6	2		4									646	
TOTAL FOR PROJ NO. W-5132, 45242.3.1					0.05		58				6	2		4									646	
														12									646	
46280.3.3	Pender	35	I-40 EBL EXIT RAMP TO US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 22'	0.16	22	40				1	1				1								80
TOTAL FOR MAP NO. 35					0.16		40				1	1				1								80
46280.3.3	Pender	36	I-40 EBL ENTRANCE RAMP FROM US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 20'	0.21	20																		
TOTAL FOR MAP NO. 36					0.21																			
46280.3.3	Pender	37	I-40 EBL EXIT LOOP TO NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19' (C&G)	0.15	19	21				1	1				1								70
TOTAL FOR MAP NO. 37					0.15		21				1	1				1								70
46280.3.3	Pender	38	I-40 EBL ENTRANCE RAMP FROM NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 20'	0.26	20																		40
TOTAL FOR MAP NO. 38					0.26																			40
46280.3.3	Pender	39	I-40 EBL EXIT RAMP TO NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 18'	0.19	18	60				2	2				1								85
TOTAL FOR MAP NO. 39					0.19		60				2	2				1								85
46280.3.3	Pender	40	I-40 EBL ENTRANCE RAMP FROM NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 18'	0.21	18						1												
TOTAL FOR MAP NO. 40					0.21							1												
46280.3.3	Pender	41	I-40 WBL EXIT RAMP TO NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 19'	0.17	19																		
		"	"	EXIT 408/MILL& FILL/RESURFACING TAPER 19'-39'	0.03	29	34				1	1				1								60
TOTAL FOR MAP NO. 41					0.2		34				1	1				1								60
46280.3.3	Pender	42	I-40 WBL ENTRANCE RAMP FROM NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 19'	0.21	19																		
TOTAL FOR MAP NO. 42					0.21																			
46280.3.3	Pender	43	I-40 WBL EXIT RAMP TO NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19'	0.39	19	42				1	1				1							65	
TOTAL FOR MAP NO. 43					0.39		42				1	1				1							65	
46280.3.3	Pender	44	I-40 WBL ENTRANCE LOOP FROM NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19' (C&G)	0.2	19																		70
TOTAL FOR MAP NO. 44					0.2																			70
46280.3.3	Pender	45	I-40 WBL EXIT RAMP TO US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 19'	0.19	19	43				1	1				1								88
TOTAL FOR MAP NO. 45					0.19		43				1	1				1								88
46280.3.3	Pender	46	I-40 WBL ENTRANCE RAMP FROM US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 22'	0.22	22																		1,206
TOTAL FOR MAP NO. 46					0.22																			1,206
46280.3.3	NewHanover	47	I-40 EBL EXIT LOOP TO SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18' (C&G)	0.19	18	50				1	1				1								75
TOTAL FOR MAP NO. 47					0.19		50				1	1				1								75
46280.3.3	NewHanover	48	I-40 EBL ENTRANCE RAMP FROM SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18'	0.36	18																		60

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	69	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4815000000-E 6" WHITE PAINT LF	4815000000-E 6" YELLOW PAINT LF	4820000000-E 8" WHITE PAINT LF	4825000000-E 12" YELLOW PAINT LF	4825000000-E 12" WHITE PAINT LF	4835000000-E 24" WHITE PAINT LF	4840000000-N PAINT MSG SCHOOL EA	4840000000-N PAINT MSG ONLY EA	4845000000-N PAINT LT ARROW EA	4845000000-N PAINT RT ARROW EA	4845000000-N PAINT STR & RT ARROW EA	4845000000-N PAINT STR ARROW EA	4845000000-N MERGE ARROW EA	4845000000-N PAINT RAMP ARROW EA	4845000000-N PAINT STR & LT ARROW EA	4847100000-E 6" WHITE POLYUREA LF	4847100000-E 6" YELLOW POLYUREA LF	4850000000-E 4" LINE REMOVAL LF
3CR.20651.138	NewHanover	33	SR 2048 (GORDON ROAD)	FROM END OF CONCRETE MEDIAN/EAST OF I-40 WB RAMP TO SR 2698 (NETHERLANDS DRIVE) MP 0.89-MP 2.90	2.01	41				378		202	6		25	11	4	17						
TOTAL FOR MAP NO. 33					2.01					378		202	6		25	11	4	17						
TOTAL FOR PROJ NO. 3CR.20651.138					8.98					462		326	6	8	41	18	8	22	3					
										462			14					92						
45242.3.1	NewHanover	34	US 76 (OLEANDER DRIVE RT. TURN LANE)	WIDENING FROM (US 76-OLEANDER DRIVE/US 117-S.COLLEGE ROAD INTERSECTION TO 0.05 MI. PAST INTERSECTION (STA. -L1- 26+92-STA. -L1- 29+59)	0.05	94						58			6	2		4						
TOTAL FOR MAP NO. 34					0.05							58			6	2		4						
TOTAL FOR PROJ NO. W-5132, 45242.3.1					0.05							58			6	2		4						
																		12						
46280.3.3	Pender	35	I-40 EBL EXIT RAMP TO US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 22'	0.16	22	877	877	185			40			1	1				1		877	877	
TOTAL FOR MAP NO. 35					0.16		877	877	185			40			1	1				1		877	877	
46280.3.3	Pender	36	I-40 EBL ENTRANCE RAMP FROM US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 20'	0.21	20	1,151	1,151														1,151	1,151	
TOTAL FOR MAP NO. 36					0.21		1,151	1,151														1,151	1,151	
46280.3.3	Pender	37	I-40 EBL EXIT LOOP TO NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19' (C&G)	0.15	19	198	822	200			21			1	1				1		198	822	
TOTAL FOR MAP NO. 37					0.15		198	822	200			21			1	1				1		198	822	
46280.3.3	Pender	38	I-40 EBL ENTRANCE RAMP FROM NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 20'	0.26	20	1,425	1,425	178													1,425	1,425	
TOTAL FOR MAP NO. 38					0.26		1,425	1,425	178													1,425	1,425	
46280.3.3	Pender	39	I-40 EBL EXIT RAMP TO NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 18'	0.19	18	1,041	1,041	288			60			2	2				1		1,041	1,041	
TOTAL FOR MAP NO. 39					0.19		1,041	1,041	288			60			2	2				1		1,041	1,041	
46280.3.3	Pender	40	I-40 EBL ENTRANCE RAMP FROM NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 18'	0.21	18	1,151	1,151	325							1						1,151	1,151	
TOTAL FOR MAP NO. 40					0.21		1,151	1,151	325							1						1,151	1,151	
46280.3.3	Pender	41	I-40 WBL EXIT RAMP TO NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 19'	0.17	19	932	932														932	932	
		"	"	EXIT 408/MILL& FILL/RESURFACING TAPER 19'-39'	0.03	29	164	164	200			34			1	1				1		164	164	
TOTAL FOR MAP NO. 41					0.2		1,096	1,096	200			34			1	1				1		1,096	1,096	
46280.3.3	Pender	42	I-40 WBL ENTRANCE RAMP FROM NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 19'	0.21	19	1,151	1,151	236													1,151	1,151	
TOTAL FOR MAP NO. 42					0.21		1,151	1,151	236													1,151	1,151	
46280.3.3	Pender	43	I-40 WBL EXIT RAMP TO NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19'	0.39	19	2,137	2,137	165			42			1	1				1		2,137	2,137	
TOTAL FOR MAP NO. 43					0.39		2,137	2,137	165			42			1	1				1		2,137	2,137	
46280.3.3	Pender	44	I-40 WBL ENTRANCE LOOP FROM NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19' (C&G)	0.2	19	1,096		200													1,096		
TOTAL FOR MAP NO. 44					0.2		1,096		200													1,096		
46280.3.3	Pender	45	I-40 WBL EXIT RAMP TO US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 19'	0.19	19	1,041	1,041	225			43			1	1				1		1,041	1,041	
TOTAL FOR MAP NO. 45					0.19		1,041	1,041	225			43			1	1				1		1,041	1,041	
46280.3.3	Pender	46	I-40 WBL ENTRANCE RAMP FROM US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 22'	0.22	22	1,206															1,206	1,206	
TOTAL FOR MAP NO. 46					0.22		1,206															1,206	1,206	
46280.3.3	NewHanover	47	I-40 EBL EXIT LOOP TO SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18' (C&G)	0.19	18		1,041	150			50			1	1				1			1,041	
TOTAL FOR MAP NO. 47					0.19			1,041	150			50			1	1				1			1,041	
46280.3.3	NewHanover	48	I-40 EBL ENTRANCE RAMP FROM SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18'	0.36	18	1,973	1,973	183													1,973	1,973	

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	70	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4860000000-E 8" LINE REMOVAL LF	4865000000-E 12" LINE REMOVAL LF	4870000000-E 24" LINE REMOVAL LF	4875000000-N REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS EA	4900000000-N YELLOW & YELLOW MARKERS EA	4905000000-N SNOW PLOWABLE MARKERS (Y/Y) EA	4905000000-N SNOW PLOWABLE MARKERS (C/R) EA
3CR.20651.138	NewHanover	33	SR 2048 (GORDON ROAD)	FROM END OF CONCRETE MEDIAN/EAST OF I-40 WB RAMP TO SR 2698 (NETHERLANDS DRIVE) MP 0.89-MP 2.90	2.01	41					5	209	139
TOTAL FOR MAP NO. 33					2.01						5	209	139
TOTAL FOR PROJ NO. 3CR.20651.138					8.98						5	540	355
												895	
45242.3.1	NewHanover	34	US 76 (OLEANDER DRIVE RT. TURN LANE)	WIDENING FROM (US 76-OLEANDER DRIVE/US 117-S.COLLEGE ROAD INTERSECTION TO 0.05 MI. PAST INTERSECTION (STA. -L1- 26+92-STA. -L1- 29+59)	0.05	94							42
TOTAL FOR MAP NO. 34					0.05								42
TOTAL FOR PROJ NO. W-5132, 45242.3.1					0.05								42
												42	
46280.3.3	Pender	35	I-40 EBL EXIT RAMP TO US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 22'	0.16	22							24
TOTAL FOR MAP NO. 35					0.16								24
46280.3.3	Pender	36	I-40 EBL ENTRANCE RAMP FROM US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 20'	0.21	20							
TOTAL FOR MAP NO. 36					0.21								
46280.3.3	Pender	37	I-40 EBL EXIT LOOP TO NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19' (C&G)	0.15	19							24
TOTAL FOR MAP NO. 37					0.15								24
46280.3.3	Pender	38	I-40 EBL ENTRANCE RAMP FROM NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 20'	0.26	20							3
TOTAL FOR MAP NO. 38					0.26								3
46280.3.3	Pender	39	I-40 EBL EXIT RAMP TO NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 18'	0.19	18							28
TOTAL FOR MAP NO. 39					0.19								28
46280.3.3	Pender	40	I-40 EBL ENTRANCE RAMP FROM NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 18'	0.21	18						17	
TOTAL FOR MAP NO. 40					0.21							17	
46280.3.3	Pender	41	I-40 WBL EXIT RAMP TO NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 19'	0.17	19							
		"	"	EXIT 408/MILL& FILL/RESURFACING TAPER 19'-39'	0.03	29							24
TOTAL FOR MAP NO. 41					0.2								24
46280.3.3	Pender	42	I-40 WBL ENTRANCE RAMP FROM NC 210	EXIT 408/MILL& FILL/RESURFACING FULL WIDTH 19'	0.21	19							12
TOTAL FOR MAP NO. 42					0.21								12
46280.3.3	Pender	43	I-40 WBL EXIT RAMP TO NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19'	0.39	19							23
TOTAL FOR MAP NO. 43					0.39								23
46280.3.3	Pender	44	I-40 WBL ENTRANCE LOOP FROM NC 53	EXIT 398/MILL& FILL/RESURFACING FULL WIDTH 19' (C&G)	0.2	19							10
TOTAL FOR MAP NO. 44					0.2								10
46280.3.3	Pender	45	I-40 WBL EXIT RAMP TO US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 19'	0.19	19							26
TOTAL FOR MAP NO. 45					0.19								26
46280.3.3	Pender	46	I-40 WBL ENTRANCE RAMP FROM US 117	EXIT 390/MILL& FILL/RESURFACING FULL WIDTH 22'	0.22	22							
TOTAL FOR MAP NO. 46					0.22								
46280.3.3	NewHanover	47	I-40 EBL EXIT LOOP TO SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18' (C&G)	0.19	18							21
TOTAL FOR MAP NO. 47					0.19								21
46280.3.3	NewHanover	48	I-40 EBL ENTRANCE RAMP FROM SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18'	0.36	18							10

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-52038, 3CR.10101.138, ETC.	31	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4400000000-E STATIONARY WORK ZONE SIGN SF	4405000000-E PORTABLE WORK ZONE SIGN SF	4415000000-N FLASHING ARROW BOARD EA	4420000000-N PORTABLE CHANGEABLE MESSAGE SIGN EA	4430000000-N DRUMS EA	4480000000-N TMA EA	4510000000-N LAW ENFORCEMENT HR	4589000000-N TRAFFIC CONTROL - LUMP SUM LS	4685000000-E 4" X 90 M WHITE THERMO LF	4685000000-E 4" X 90 M YELLOW THERMO LF	4686000000-E 4" X 120 M YELLOW THERMO LF	4686000000-E 4" X 120 M WHITE THERMO LF	4695000000-E 8" X 90 M WHITE THERMO LF	4697000000-E 8" X 120 M WHITE THERMO LF	4700000000-E 12" X 90 M YELLOW THERMO LF	4700000000-E 12" X 90 M WHITE THERMO LF	4702000000-E 12" X 120 M WHITE THERMO LF	4705000000-E 16" X 120 M WHITE THERMO LF
TOTAL FOR MAP NO. 48					0.36											60			183					
46280.3.3	New Hanover	49	I-40 EBL EXIT LOOP TO SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 18' (C&G)	0.23	18												158						
TOTAL FOR MAP NO. 49					0.23													158						
46280.3.3	NewHanover	50	I-40 EBL ENTRANCE RAMP FROM US 117/NC 132	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 28' (CONC. ISLAND)	0.33	28												423						
TOTAL FOR MAP NO. 50					0.33													423						
46280.3.3	NewHanover	51	I-40 WBL EXIT RAMP TO SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 23'	0.23	23										90	66		210					
TOTAL FOR MAP NO. 51					0.23											90	66		210					
46280.3.3	NewHanover	52	I-40 WBL EXIT RAMP TO US 117/NC 132	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 21'	0.47	21																		
TOTAL FOR MAP NO. 52					0.47																			
46280.3.3	NewHanover	53	I-40 WBL ENTRANCE RAMP FROM SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 18'	0.6	18																		
TOTAL FOR MAP NO. 53					0.6																			
46280.3.3	NewHanover	54	I-40 WBL EXIT RAMP TO SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18'	0.31	18										88								
TOTAL FOR MAP NO. 54					0.31											88								
46280.3.3	NewHanover	55	I-40 WBL ENTRANCE LOOP FROM SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18.5' (C&G)	0.17	18.5										55								
TOTAL FOR MAP NO. 55					0.17											55								
TOTAL FOR PROJ NO. I-5203B, 46280.3.3					5.48		224	416	2	6	350	2	210		926	926	647	647	2,745					
GRAND TOTAL					48.461		224	416	6	6	350	6	540	1	195,684	37,223	198,246	57,411	9,770	1,798	1,892	15	1,724	200
															232,907		255,657				1,907			

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	42	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4710000000-E 24" X 120 M WHITE THERMO LF	4721000000-E THERMO MSG SCHOOL 120 M EA	4721000000-E THERMO MSG ONLY 120 M EA	4721000000-E THERMO RXR 120 M EA	4725000000-E THERMO LT ARROW 90 M EA	4725000000-E THERMO RT ARROW 90 M EA	4725000000-E THERMO STR & RT ARROW 90 M EA	4725000000-E THERMO STR ARROW 90 M EA	4725000000-E MERGE ARROW 90 M EA	4725000000-E THERMO RAMP ARROW 90 M EA	4725000000-E THERMO STR & LT ARROW 90 M EA	4726000000-E HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING LINES LF	4770000000-E COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE 4 (4") LF	4780000000-E COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE 4 (8") LF	4795000000-E COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE 4 (24") LF	4805000000-N COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE 4 EA	4810000000-E 4" WHITE PAINT LF	4810000000-E 4" YELLOW PAINT LF
TOTAL FOR MAP NO. 48					0.36																			60
46280.3.3	New Hanover	49	I-40 EBL EXIT LOOP TO SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 18' (C&G)	0.23	18	50				1	3		2									158	822
TOTAL FOR MAP NO. 49					0.23		50				1	3		2									158	822
46280.3.3	NewHanover	50	I-40 EBL ENTRANCE RAMP FROM US 117/NC 132	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 28' (CONC. ISLAND)	0.33	28									3								423	
TOTAL FOR MAP NO. 50					0.33										3								423	
46280.3.3	NewHanover	51	I-40 WBL EXIT RAMP TO SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 23'	0.23	23	46					2					2						66	200
TOTAL FOR MAP NO. 51					0.23		46					2					2						66	200
46280.3.3	NewHanover	52	I-40 WBL EXIT RAMP TO US 117/NC 132	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 21'	0.47	21																		
TOTAL FOR MAP NO. 52					0.47																			
46280.3.3	NewHanover	53	I-40 WBL ENTRANCE RAMP FROM SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 18'	0.6	18																		
TOTAL FOR MAP NO. 53					0.6																			
46280.3.3	NewHanover	54	I-40 WBL EXIT RAMP TO SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18'	0.31	18	43				1	1				1								88
TOTAL FOR MAP NO. 54					0.31		43				1	1				1								88
46280.3.3	NewHanover	55	I-40 WBL ENTRANCE LOOP FROM SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18.5' (C&G)	0.17	18.5																		55
TOTAL FOR MAP NO. 55					0.17																			55
TOTAL FOR PROJ NO. I-5203B, 46280.3.3					5.48		429				10	15		2	3	8	2						712	2,999
														40									3,711	
GRAND TOTAL					48.461		6,863	48	44	8	333	179	90	275	11	8	2	696	1,200	200	100	5	467,288	364,488
								100			898												831,776	

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	43	

THERMOPLASTIC AND PAINT QUANTITIES

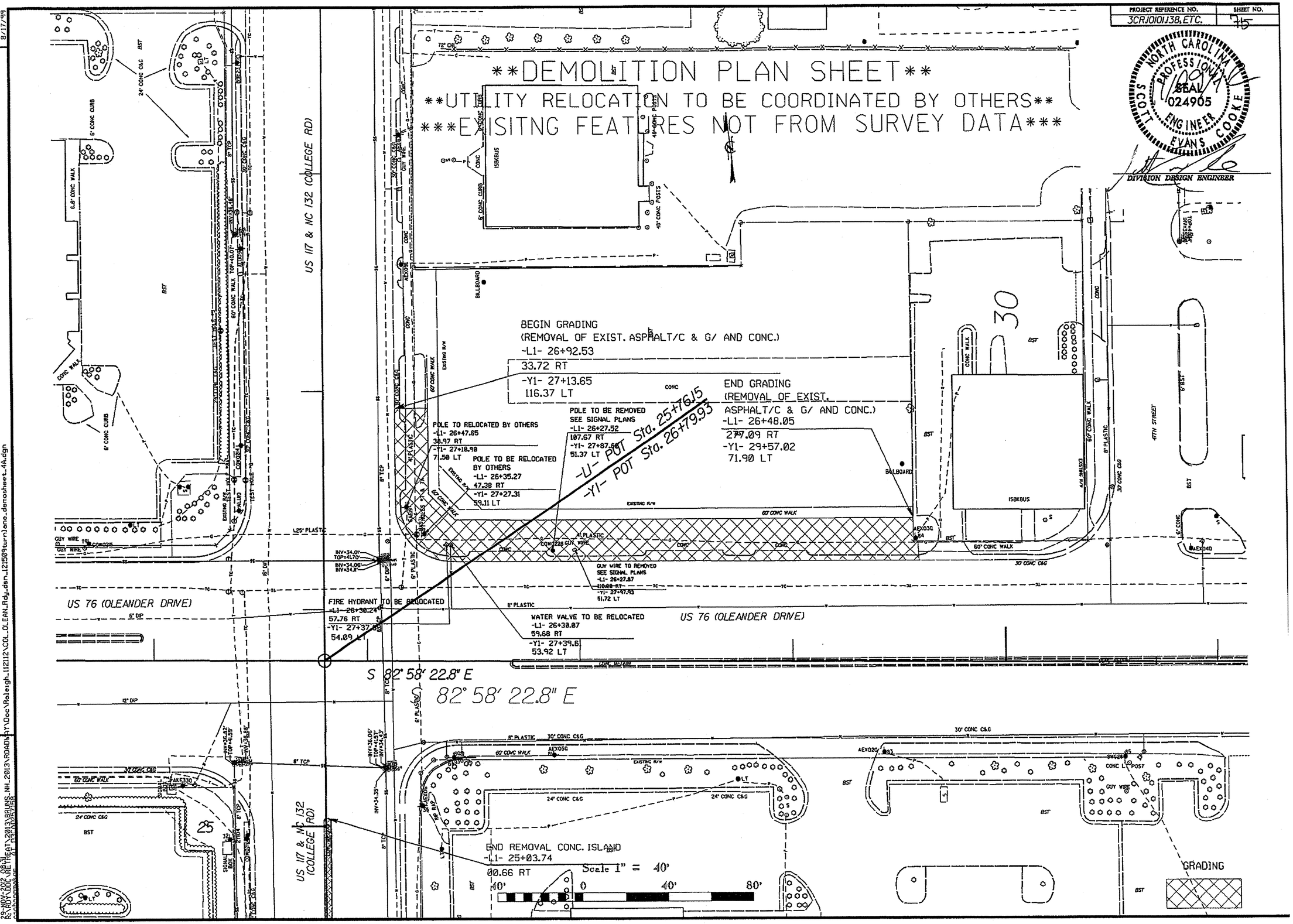
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4815000000-E 6" WHITE PAINT LF	4815000000-E 6" YELLOW PAINT LF	4820000000-E 8" WHITE PAINT LF	4825000000-E 12" YELLOW PAINT LF	4825000000-E 12" WHITE PAINT LF	4835000000-E 24" WHITE PAINT LF	4840000000-N PAINT MSG SCHOOL EA	4840000000-N PAINT MSG ONLY EA	4845000000-N PAINT LT ARROW EA	4845000000-N PAINT RT ARROW EA	4845000000-N PAINT STR & RT ARROW EA	4845000000-N PAINT STR ARROW EA	4845000000-N MERGE ARROW EA	4845000000-N PAINT RAMP ARROW EA	4845000000-N PAINT STR & LT ARROW EA	4847100000-E 6" WHITE POLYUREA LF	4847100000-E 6" YELLOW POLYUREA LF	4850000000-E 4" LINE REMOVAL LF
TOTAL FOR MAP NO. 48					0.36		1,973	1,973	183													1,973	1,973	
46280.3.3	New Hanover	49	I-40 EBL EXIT LOOP TO SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 18' (C&G)	0.23	18	100	438				50			1	3		2				100	1,260	
TOTAL FOR MAP NO. 49					0.23		100	438				50			1	3		2				100	1,260	
46280.3.3	NewHanover	50	I-40 EBL ENTRANCE RAMP FROM US 117/NC 132	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 28' (CONC. ISLAND)	0.33	28	1,808	1,151											3			1,808	1,151	
TOTAL FOR MAP NO. 50					0.33		1,808	1,151											3			1,808	1,151	
46280.3.3	NewHanover	51	I-40 WBL EXIT RAMP TO SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 23'	0.23	23	1,261	1,151	210			46				2					2	1,261	1,261	
TOTAL FOR MAP NO. 51					0.23		1,261	1,151	210			46				2					2	1,261	1,261	
46280.3.3	NewHanover	52	I-40 WBL EXIT RAMP TO US 117/NC 132	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 21'	0.47	21	2,246	2,246														2,246	2,246	
TOTAL FOR MAP NO. 52					0.47		2,246	2,246														2,246	2,246	
46280.3.3	NewHanover	53	I-40 WBL ENTRANCE RAMP FROM SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 18'	0.6	18	3,288	3,288														3,288	3,288	
TOTAL FOR MAP NO. 53					0.6		3,288	3,288														3,288	3,288	
46280.3.3	NewHanover	54	I-40 WBL EXIT RAMP TO SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18'	0.31	18	1,699	1,699				43			1	1				1		1,699	1,699	
TOTAL FOR MAP NO. 54					0.31		1,699	1,699				43			1	1				1		1,699	1,699	
46280.3.3	NewHanover	55	I-40 WBL ENTRANCE LOOP FROM SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18.5' (C&G)	0.17	18.5		932															932	
TOTAL FOR MAP NO. 55					0.17			932															932	
TOTAL FOR PROJ NO. I-5203B, 46280.3.3					5.48		25,945	25,811	2,745			429			10	15		2	3	8	2	25,945	27,949	
							51,756								40							53,894		
GRAND TOTAL					48.461		25,945	25,811	11,323	1,857	1,724	6,599	48	44	320	181	89	279	8	8	2	25,945	27,949	3,650
							51,756			3,581			92		887							53,894		

PROJECT NO.	SHEET NO.	TOTAL NO.
W-5132, I-5203B, 3CR.10101.138, ETC.	42	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4860000000-E 8" LINE REMOVAL LF	4865000000-E 12" LINE REMOVAL LF	4870000000-E 24" LINE REMOVAL LF	4875000000-N REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS EA	4900000000-N YELLOW & YELLOW MARKERS EA	4905000000-N SNOW PLOWABLE MARKERS (Y/Y) EA	4905000000-N SNOW PLOWABLE MARKERS (C/R) EA
TOTAL FOR MAP NO. 48					0.36								10
46280.3.3	New Hanover	49	I-40 EBL EXIT LOOP TO SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 18' (C&G)	0.23	18							7
TOTAL FOR MAP NO. 49					0.23								7
46280.3.3	NewHanover	50	I-40.EBL ENTRANCE RAMP FROM US 117/NC 132	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 28' (CONC. ISLAND)	0.33	28							21
TOTAL FOR MAP NO. 50					0.33								21
46280.3.3	NewHanover	51	I-40 WBL EXIT RAMP TO SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 23'	0.23	23							11
TOTAL FOR MAP NO. 51					0.23								11
46280.3.3	NewHanover	52	I-40 WBL EXIT RAMP TO US 117/NC 132	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 21'	0.47	21							
TOTAL FOR MAP NO. 52					0.47								
46280.3.3	NewHanover	53	I-40 WBL ENTRANCE RAMP FROM SR 2048	EXIT 420/MILL& FILL/RESURFACING FULL WIDTH 18'	0.6	18							
TOTAL FOR MAP NO. 53					0.6								
46280.3.3	NewHanover	54	I-40 WBL EXIT RAMP TO SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18'	0.31	18							14
TOTAL FOR MAP NO. 54					0.31								14
46280.3.3	NewHanover	55	I-40 WBL ENTRANCE LOOP FROM SR 1002	EXIT 414/MILL& FILL/RESURFACING FULL WIDTH 18.5' (C&G)	0.17	18.5							
TOTAL FOR MAP NO. 55					0.17								
TOTAL FOR PROJ NO. I-5203B, 46280.3.3					5.48							17	258
												275	
GRAND TOTAL					48.461		925	480	900	43	808	1,747	3,994
												5,741	

PROJECT REFERENCE NO.	SHEET NO.
3CRJ0101J3B, ETC.	15



PROJECT REFERENCE NO.	SHEET NO.
3CRJ0101J38, ETC.	76

EXISITNG FEATURES NOT FROM SURVEY DATA

**ALL UTILITIES OTHER THAN FIRE HYDRANT/WATER VALVE TO BE RELOCATED BY OTHERS **

25

INSTALL ALTERNATIVE CONC. CURB RAMP (SEE DETAIL SHEET 27, TYPE IA

US 117 & NC 132 (COLLEGE RD)

US 76 (OLEANDER DRIVE)

BEGIN WIDENING/50' RADIUS
PROP. 2'6" C & G
-L1- 26+92.52
33.72 RT/
-Y1- 27+13.65
-16.37 LT

PROP. LOCATION FOR RELOCATED FIRE HYDRANT AND VALVE
-L1- 26+39.16
61.17 RT/
-Y1- 27+61.18
63.01 LT

END 50' RADIUS
-L1- 26+34.16
83.83 RT/
-Y1- 27+63.76
58.01 LT

-L1- POT Sta. 25+76.15
-Y1- POT Sta. 26+79.93

END WIDENING/
PROP. 2'6" C & G
-Y1- 29+59.03
46.85 LT/
-L1- 26+23.01
279.10 RT

GRASS

CONVERT TO TBJB

50' WIDENING AROUND RADIUS

145' FULL STORAGE

50' TAPER

US 76 (OLEANDER DRIVE)

S 82° 58' 22.8" E

Scale 1" = 40'

40' 0 40' 80'

INSTALL ALTERNATIVE CONC. CURB RAMP (SEE DETAIL SHEET 28, TYPE 2

END PROP. REMOVE & REPLACE CONC. ISLAND
-L1- 24+97.06
00.67 RT

INSTALL ALTERNATIVE CONC. CURB RAMP (SEE DETAIL SHEET 27, TYPE IA

NORTH CAROLINA PROFESSIONAL SEAL 024905 ENGINEER SCOTT EVANS COOKE

DIVISION DESIGN ENGINEER

REVISIONS

8/17/99

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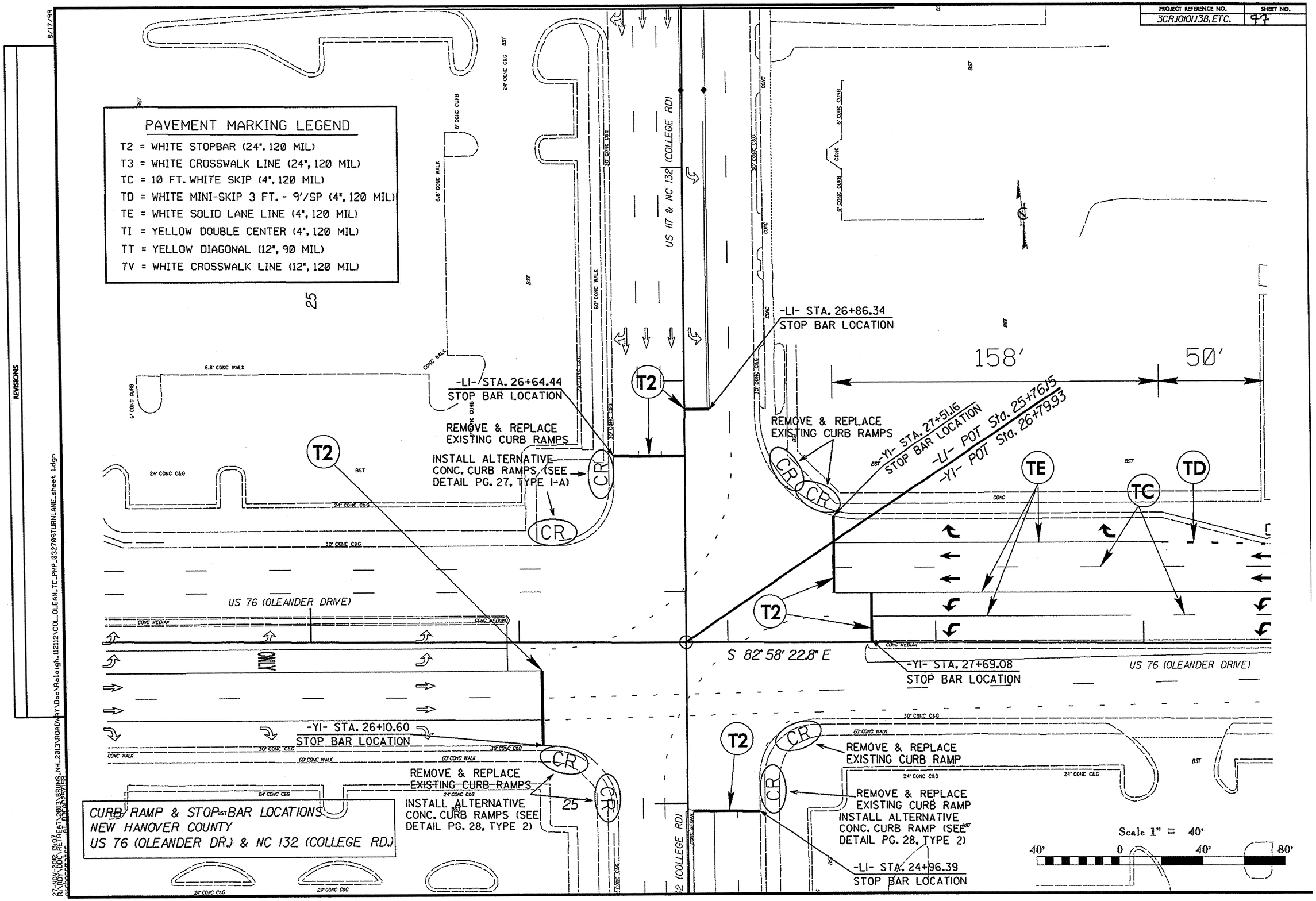
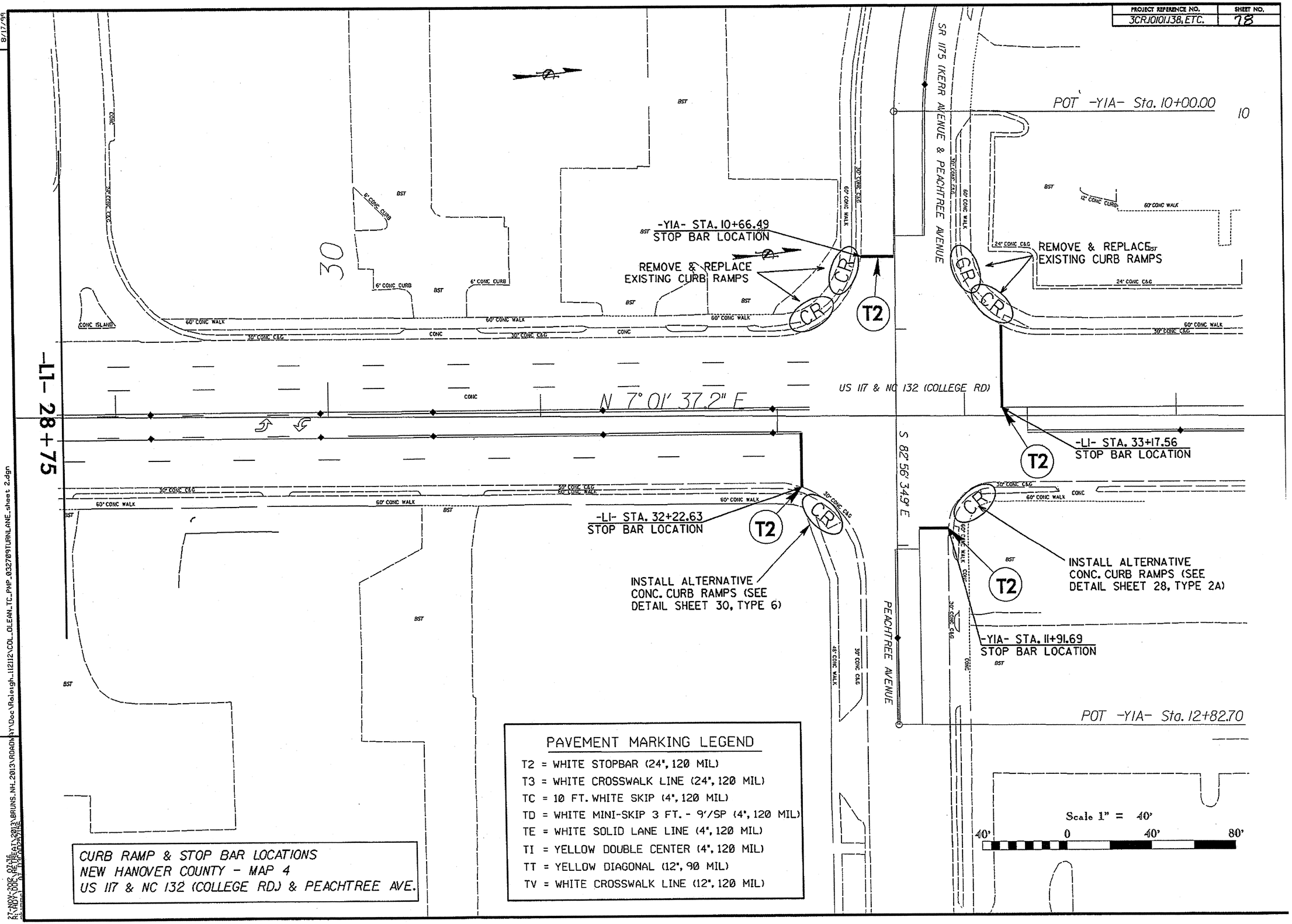
PROJECT REFERENCE NO.	SHEET NO.
3CRJ0101J38, ETC.	44



PROJECT REFERENCE NO.	SHEET NO.
3CRJ0101J38, ETC.	78



CURB RAMP & STOP BAR LOCATIONS
NEW HANOVER COUNTY - MAP 4
US 117 & NC 132 (COLLEGE RD) & PEACHTREE AVE.

PAVEMENT MARKING LEGEND

T2 = WHITE STOPBAR (24", 120 MIL)
T3 = WHITE CROSSWALK LINE (24", 120 MIL)
TC = 10 FT. WHITE SKIP (4", 120 MIL)
TD = WHITE MINI-SKIP 3 FT. - 9'/SP (4", 120 MIL)
TE = WHITE SOLID LANE LINE (4", 120 MIL)
TI = YELLOW DOUBLE CENTER (4", 120 MIL)
TT = YELLOW DIAGONAL (12", 90 MIL)
TV = WHITE CROSSWALK LINE (12", 120 MIL)

REVISIONS

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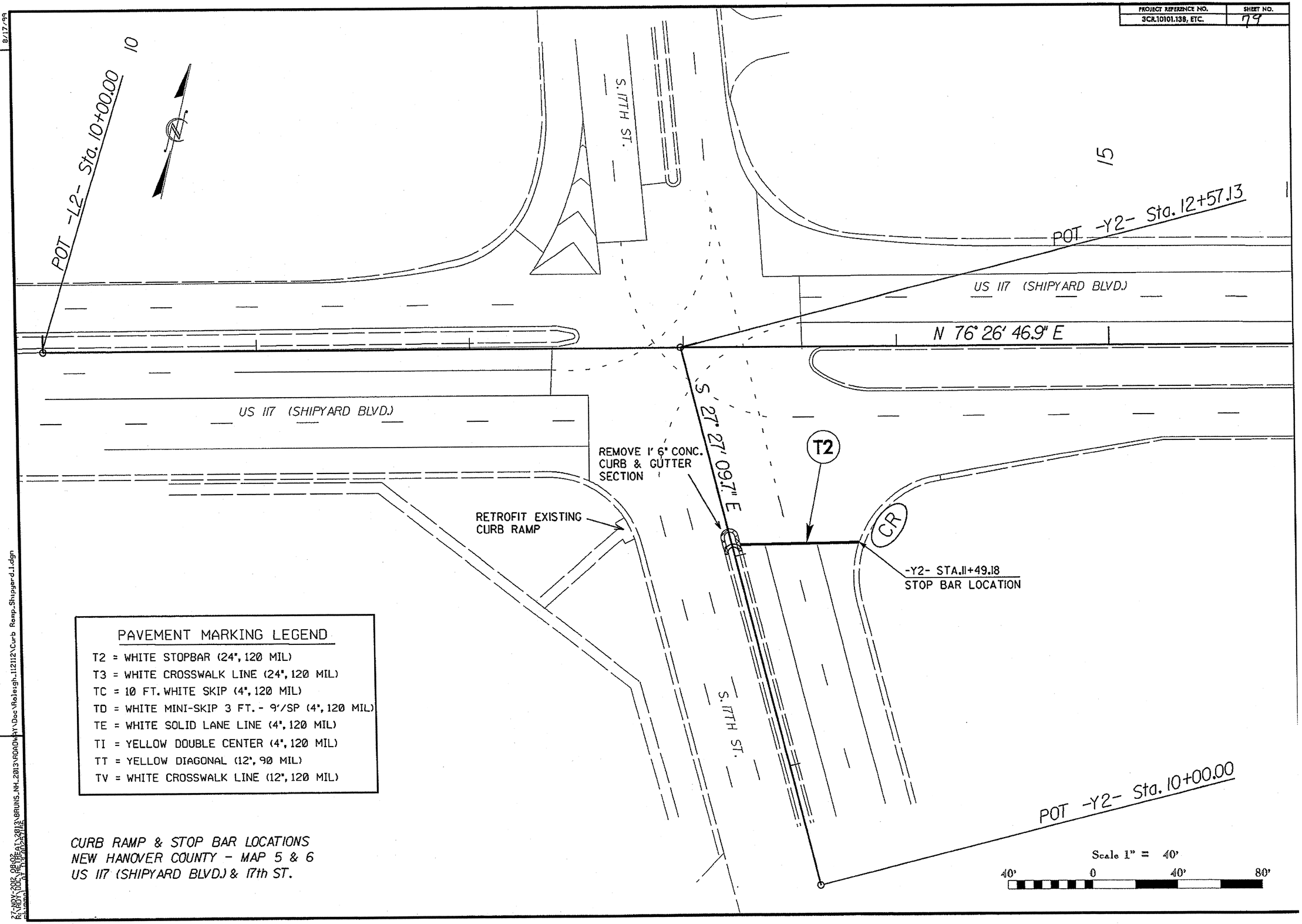
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	79



PAVEMENT MARKING LEGEND

T2 = WHITE STOPBAR (24", 120 MIL)
T3 = WHITE CROSSWALK LINE (24", 120 MIL)
TC = 10 FT. WHITE SKIP (4", 120 MIL)
TD = WHITE MINI-SKIP 3 FT. - 9'/SP (4", 120 MIL)
TE = WHITE SOLID LANE LINE (4", 120 MIL)
TI = YELLOW DOUBLE CENTER (4", 120 MIL)
TT = YELLOW DIAGONAL (12", 90 MIL)
TV = WHITE CROSSWALK LINE (12", 120 MIL)

CURB RAMP & STOP BAR LOCATIONS
NEW HANOVER COUNTY - MAP 5 & 6
US 117 (SHIPYARD BLVD.) & 17th ST.

REVISIONS

8/17/99

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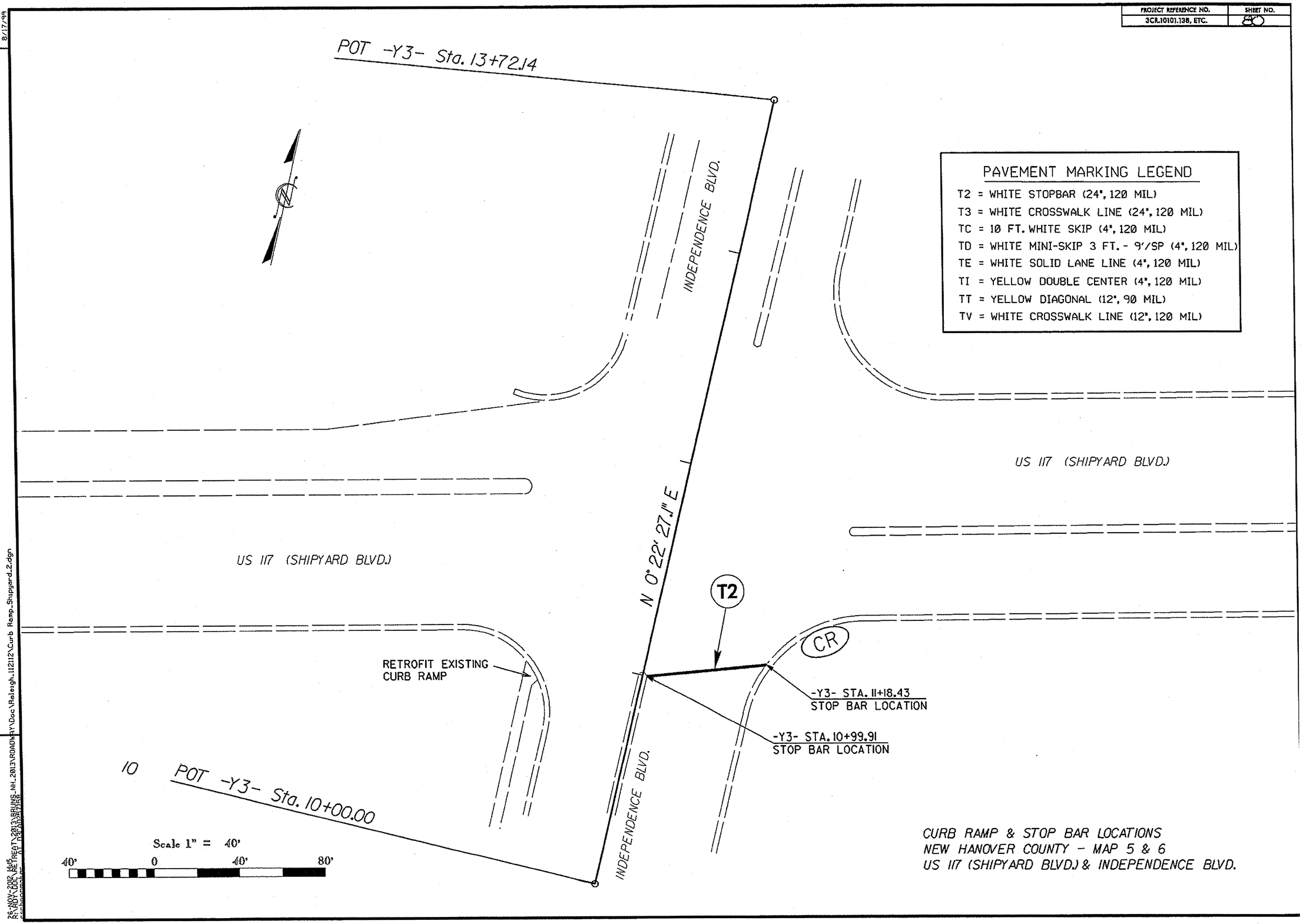
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	80



PAVEMENT MARKING LEGEND

T2 = WHITE STOPBAR (24", 120 MIL)
T3 = WHITE CROSSWALK LINE (24", 120 MIL)
TC = 10 FT. WHITE SKIP (4", 120 MIL)
TD = WHITE MINI-SKIP 3 FT. - 9'/SP (4", 120 MIL)
TE = WHITE SOLID LANE LINE (4", 120 MIL)
TI = YELLOW DOUBLE CENTER (4", 120 MIL)
TT = YELLOW DIAGONAL (12", 90 MIL)
TV = WHITE CROSSWALK LINE (12", 120 MIL)

CURB RAMP & STOP BAR LOCATIONS
NEW HANOVER COUNTY - MAP 5 & 6
US 117 (SHIPYARD BLVD.) & INDEPENDENCE BLVD.

REVISIONS

8/17/99

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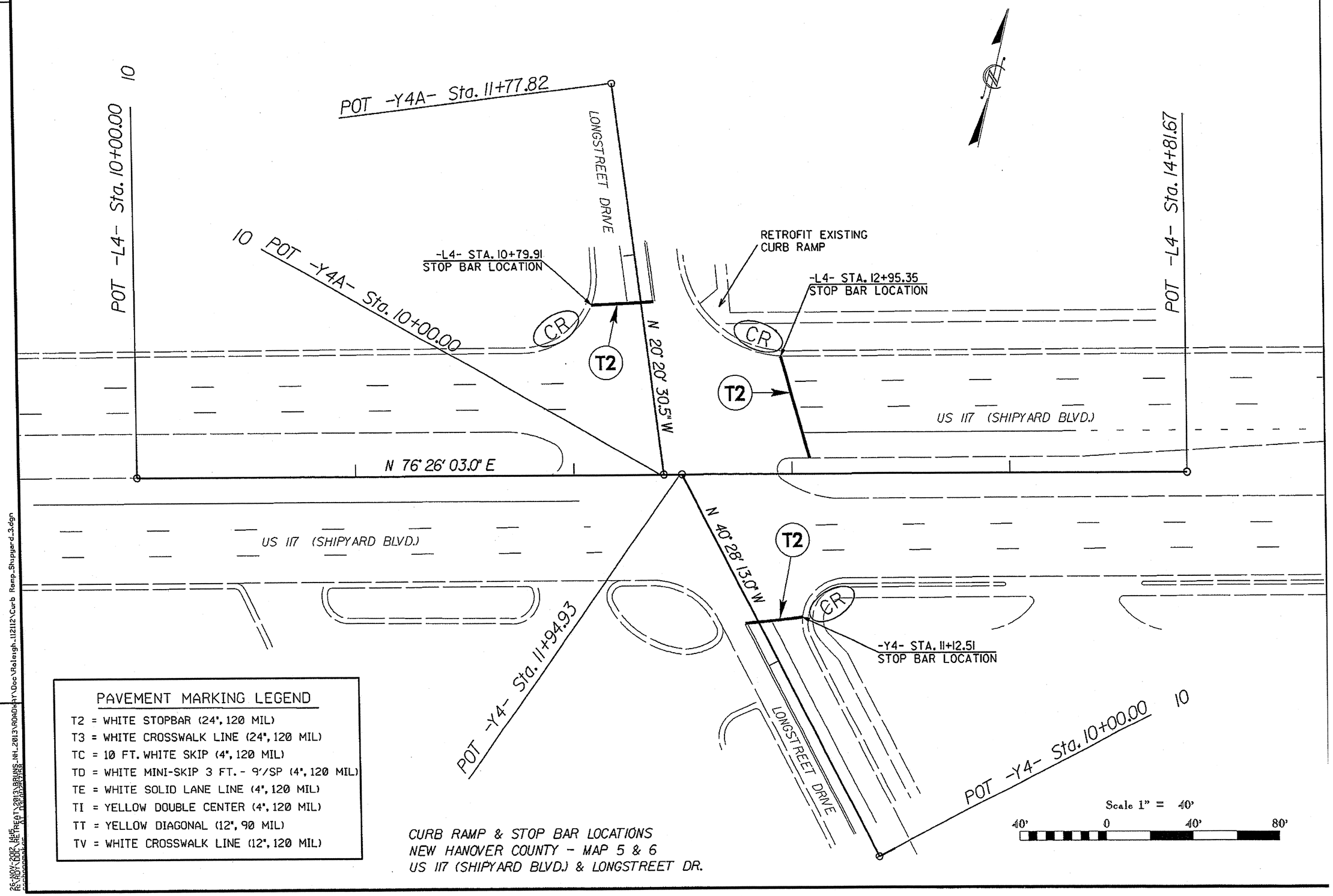
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	81



PAVEMENT MARKING LEGEND

T2 = WHITE STOPBAR (24", 120 MIL)
T3 = WHITE CROSSWALK LINE (24", 120 MIL)
TC = 10 FT. WHITE SKIP (4", 120 MIL)
TD = WHITE MINI-SKIP 3 FT. - 9'/SP (4", 120 MIL)
TE = WHITE SOLID LANE LINE (4", 120 MIL)
TI = YELLOW DOUBLE CENTER (4", 120 MIL)
TT = YELLOW DIAGONAL (12", 90 MIL)
TV = WHITE CROSSWALK LINE (12", 120 MIL)

CURB RAMP & STOP BAR LOCATIONS
NEW HANOVER COUNTY - MAP 5 & 6
US 117 (SHIPYARD BLVD.) & LONGSTREET DR.

REVISIONS

8/17/99

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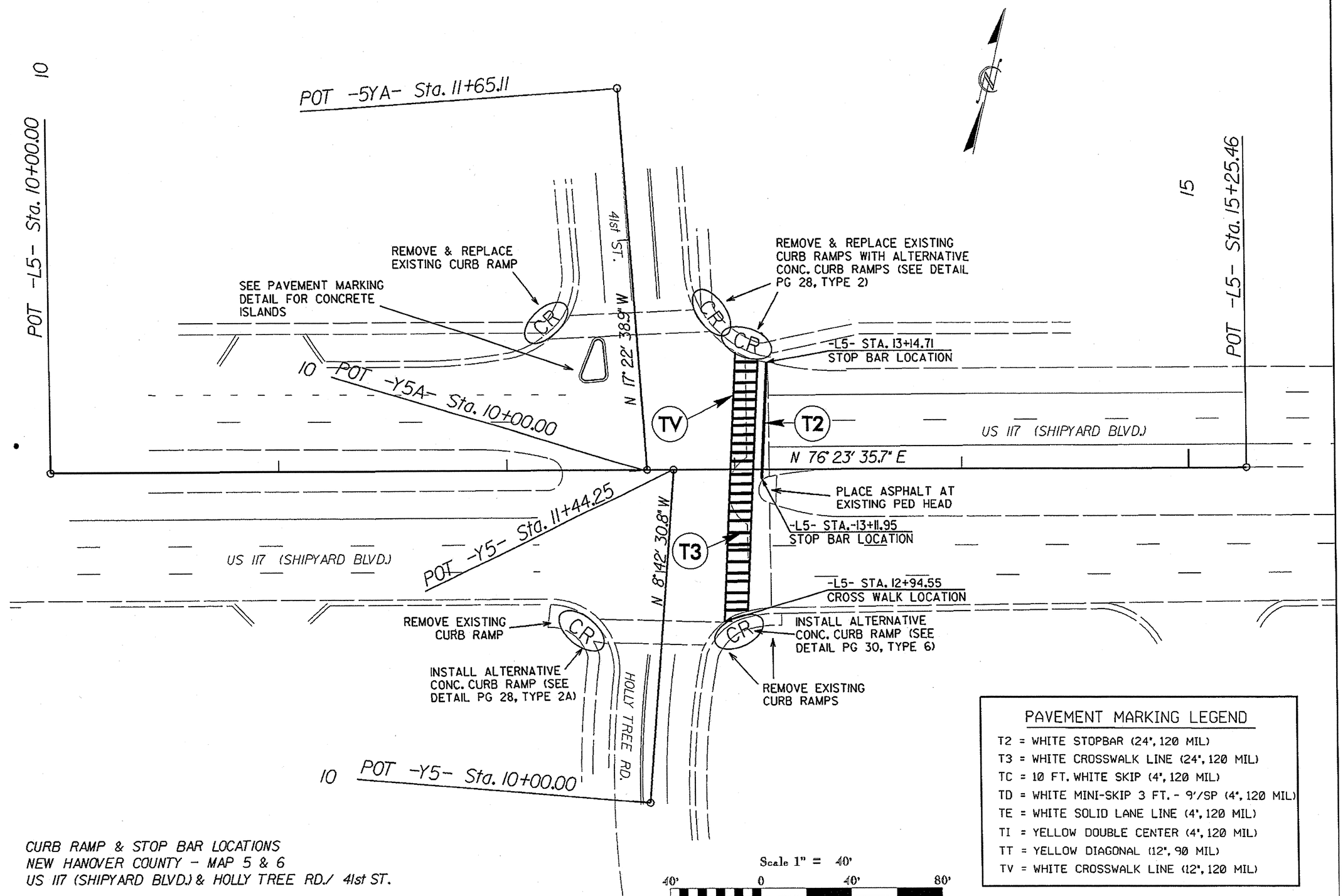
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	82



CURB RAMP & STOP BAR LOCATIONS
NEW HANOVER COUNTY - MAP 5 & 6
US 117 (SHIPYARD BLVD.) & HOLLY TREE RD./ 41st ST.

PAVEMENT MARKING LEGEND

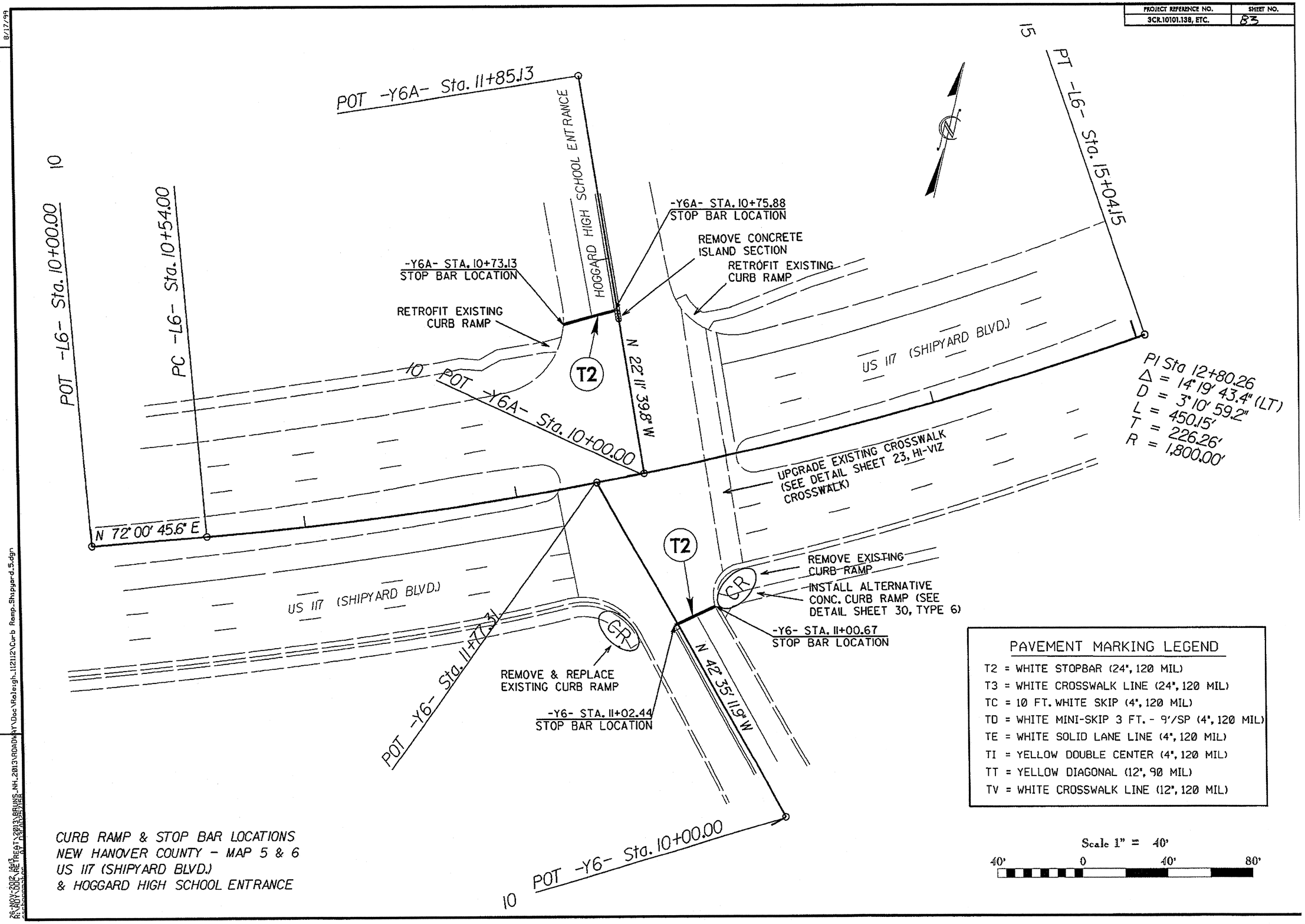
T2 = WHITE STOPBAR (24", 120 MIL)
T3 = WHITE CROSSWALK LINE (24", 120 MIL)
TC = 10 FT. WHITE SKIP (4", 120 MIL)
TD = WHITE MINI-SKIP 3 FT. - 9'/SP (4", 120 MIL)
TE = WHITE SOLID LANE LINE (4", 120 MIL)
TI = YELLOW DOUBLE CENTER (4", 120 MIL)
TT = YELLOW DIAGONAL (12", 90 MIL)
TV = WHITE CROSSWALK LINE (12", 120 MIL)

REVISIONS

8/17/99

27-NOV-2012 08:12
R:\HAY\DOC\RALEIGH\PROJECT\2012\BRUNS_NH_2013\ROADWAY\Doc\Raleigh_112112\Curb Ramp_Shipyard_4.dgn
Hammond, Alan P. (Alan.Hammond@parsons.com)

PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	83



CURB RAMP & STOP BAR LOCATIONS
NEW HANOVER COUNTY - MAP 5 & 6
US 117 (SHIPYARD BLVD.)
& HOGGARD HIGH SCHOOL ENTRANCE

PAVEMENT MARKING LEGEND

T2 = WHITE STOPBAR (24", 120 MIL)
T3 = WHITE CROSSWALK LINE (24", 120 MIL)
TC = 10 FT. WHITE SKIP (4", 120 MIL)
TD = WHITE MINI-SKIP 3 FT. - 9'/SP (4", 120 MIL)
TE = WHITE SOLID LANE LINE (4", 120 MIL)
TI = YELLOW DOUBLE CENTER (4", 120 MIL)
TT = YELLOW DIAGONAL (12", 90 MIL)
TV = WHITE CROSSWALK LINE (12", 120 MIL)

Scale 1" = 40'

40' 0 40' 80'

8/17/99

REVISIONS

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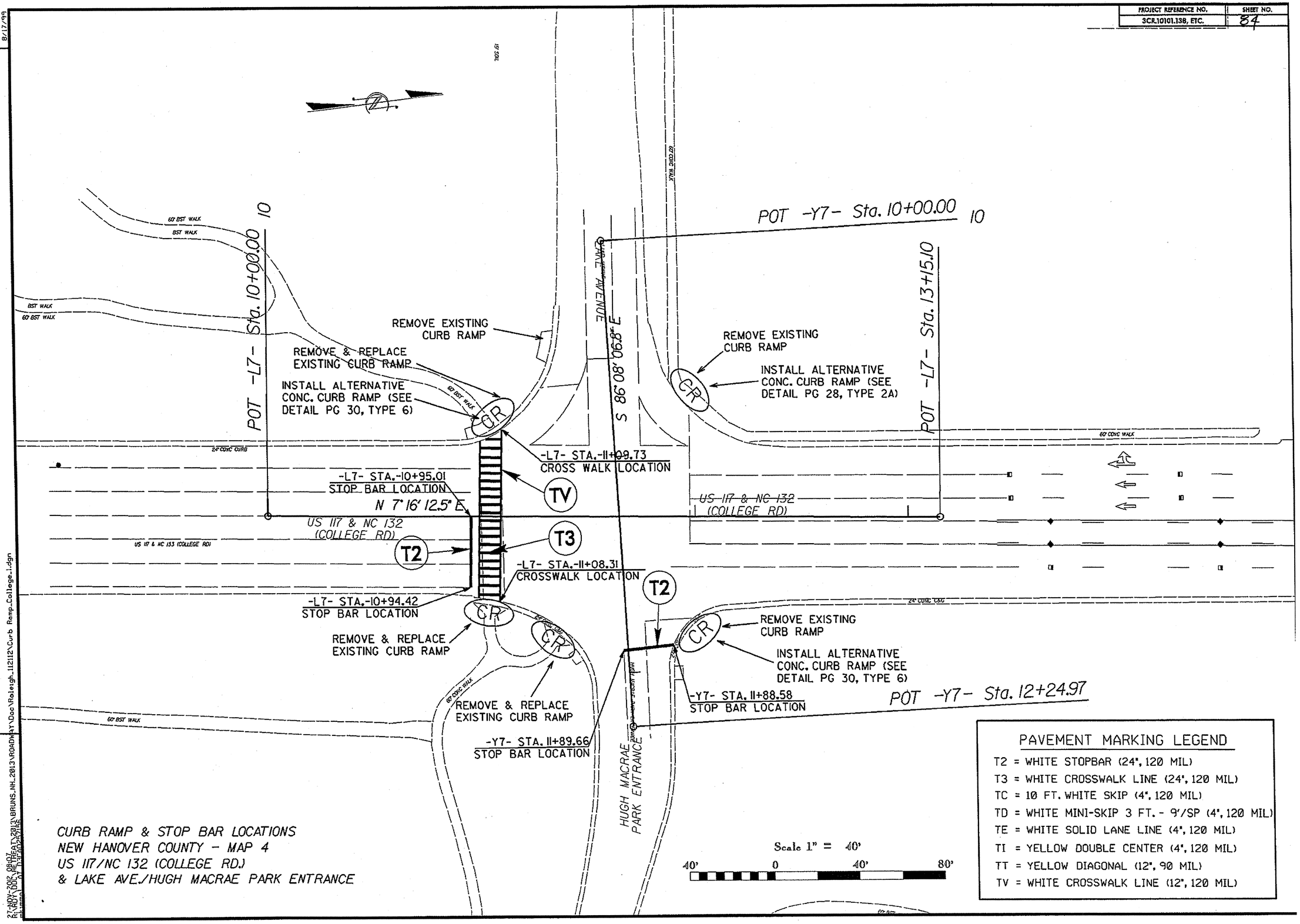
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	84



CURB RAMP & STOP BAR LOCATIONS
NEW HANOVER COUNTY - MAP 4
US 117/NC 132 (COLLEGE RD.)
& LAKE AVE./HUGH MACRAE PARK ENTRANCE

PAVEMENT MARKING LEGEND

T2 = WHITE STOPBAR (24", 120 MIL)
T3 = WHITE CROSSWALK LINE (24", 120 MIL)
TC = 10 FT. WHITE SKIP (4", 120 MIL)
TD = WHITE MINI-SKIP 3 FT. - 9'/SP (4", 120 MIL)
TE = WHITE SOLID LANE LINE (4", 120 MIL)
TI = YELLOW DOUBLE CENTER (4", 120 MIL)
TT = YELLOW DIAGONAL (12", 90 MIL)
TV = WHITE CROSSWALK LINE (12", 120 MIL)

REVISIONS

8/17/99

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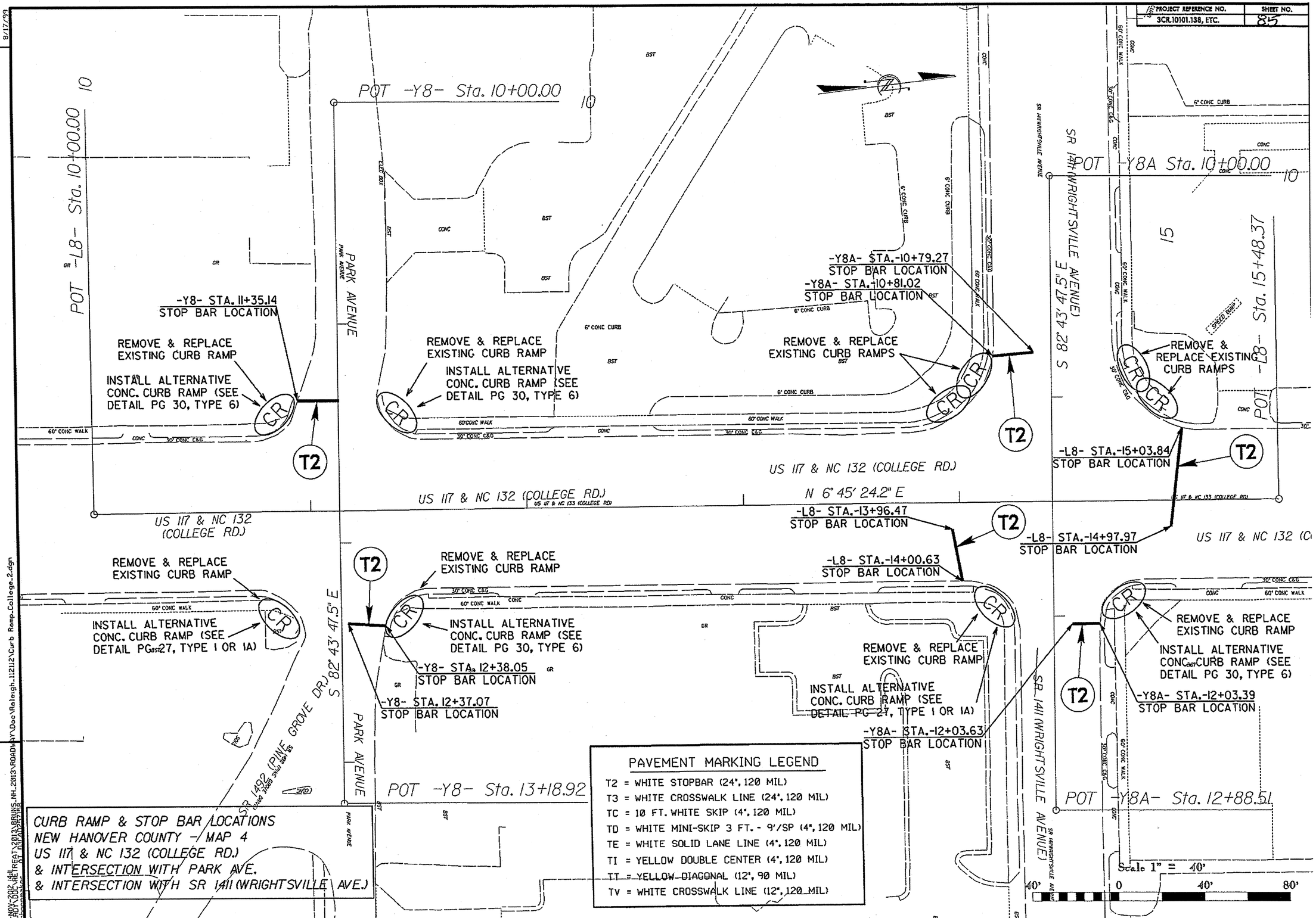
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	85



CURB RAMP & STOP BAR LOCATIONS
NEW HANOVER COUNTY - MAP 4
US 117 & NC 132 (COLLEGE RD.)
& INTERSECTION WITH PARK AVE.
& INTERSECTION WITH SR 1411 (WRIGHTSVILLE AVE.)

PAVEMENT MARKING LEGEND

T2 = WHITE STOPBAR (24", 120 MIL)
T3 = WHITE CROSSWALK LINE (24", 120 MIL)
TC = 10 FT. WHITE SKIP (4", 120 MIL)
TD = WHITE MINI-SKIP 3 FT. - 9'/SP (4", 120 MIL)
TE = WHITE SOLID LANE LINE (4", 120 MIL)
TI = YELLOW DOUBLE CENTER (4", 120 MIL)
~~TT = YELLOW DIAGONAL (12", 90 MIL)~~
TV = WHITE CROSSWALK LINE (12", 120 MIL)

REVISIONS

8/17/18

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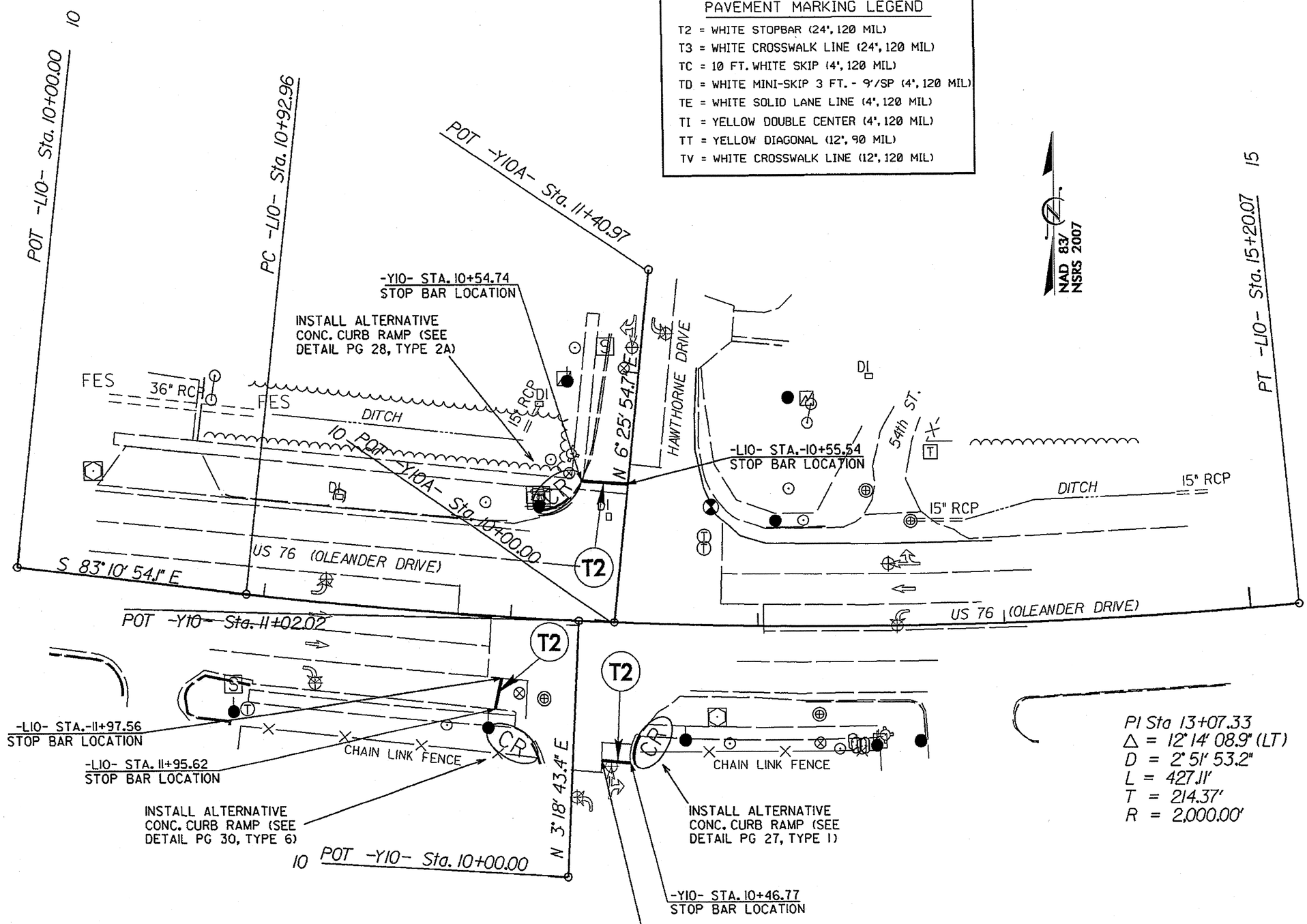
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	86

PAVEMENT MARKING LEGEND

T2 = WHITE STOPBAR (24", 120 MIL)
T3 = WHITE CROSSWALK LINE (24", 120 MIL)
TC = 10 FT. WHITE SKIP (4", 120 MIL)
TD = WHITE MINI-SKIP 3 FT. - 9'/SP (4", 120 MIL)
TE = WHITE SOLID LANE LINE (4", 120 MIL)
TI = YELLOW DOUBLE CENTER (4", 120 MIL)
TT = YELLOW DIAGONAL (12", 90 MIL)
TV = WHITE CROSSWALK LINE (12", 120 MIL)



CURB RAMP & STOP BAR LOCATIONS
NEW HANOVER COUNTY - MAP 12
US 76 (OLEANDER DRIVE) & HAWTHORNE DR.

REVISIONS

8/17/99

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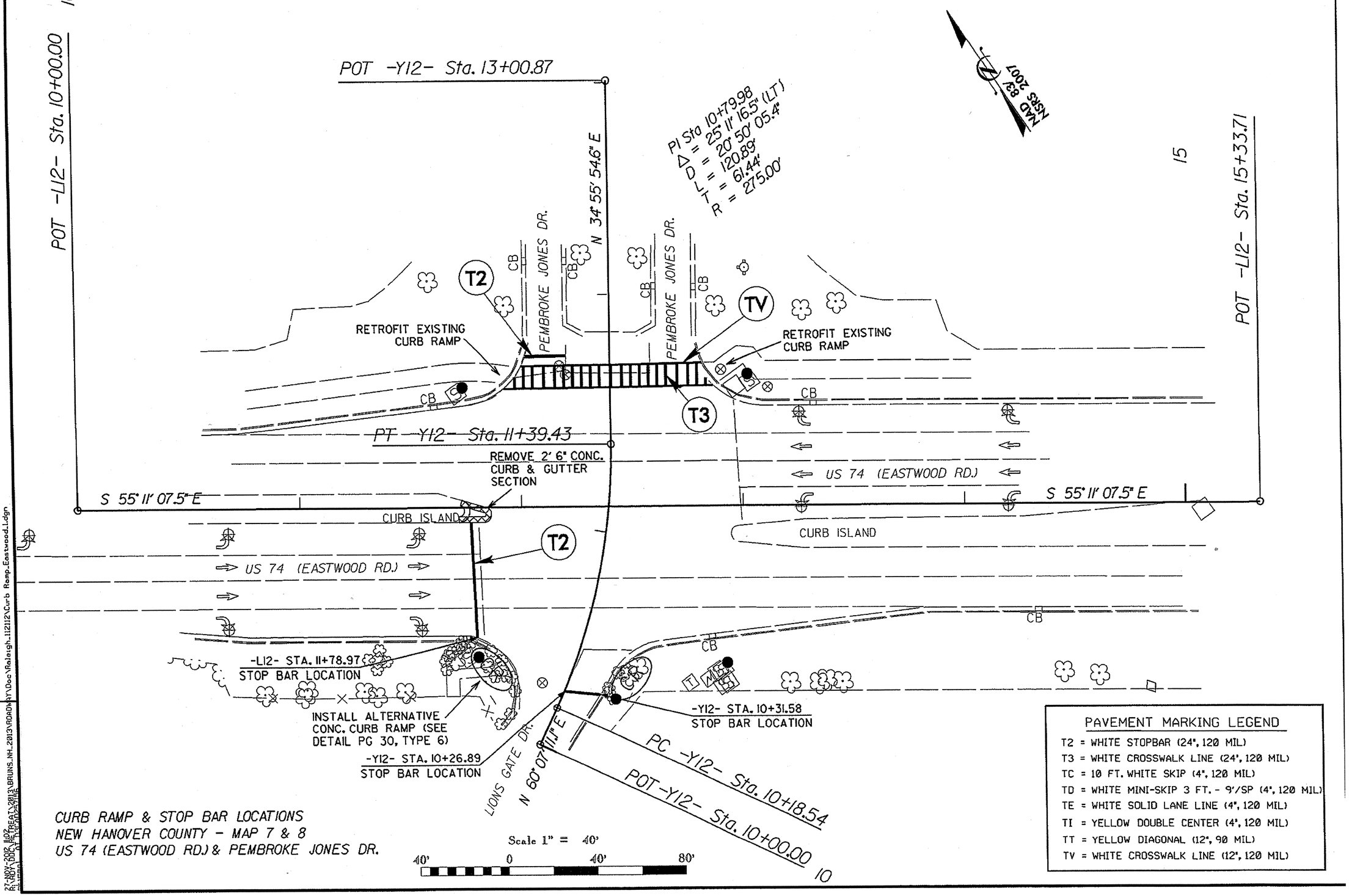
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	87



CURB RAMP & STOP BAR LOCATIONS
NEW HANOVER COUNTY - MAP 7 & 8
US 74 (EASTWOOD RD.) & PEMBROKE JONES DR.

PAVEMENT MARKING LEGEND

T2 = WHITE STOPBAR (24", 120 MIL)
T3 = WHITE CROSSWALK LINE (24", 120 MIL)
TC = 10 FT. WHITE SKIP (4", 120 MIL)
TD = WHITE MINI-SKIP 3 FT. - 9'/SP (4", 120 MIL)
TE = WHITE SOLID LANE LINE (4", 120 MIL)
TI = YELLOW DOUBLE CENTER (4", 120 MIL)
TT = YELLOW DIAGONAL (12", 90 MIL)
TV = WHITE CROSSWALK LINE (12", 120 MIL)

REVISIONS

8/17/99

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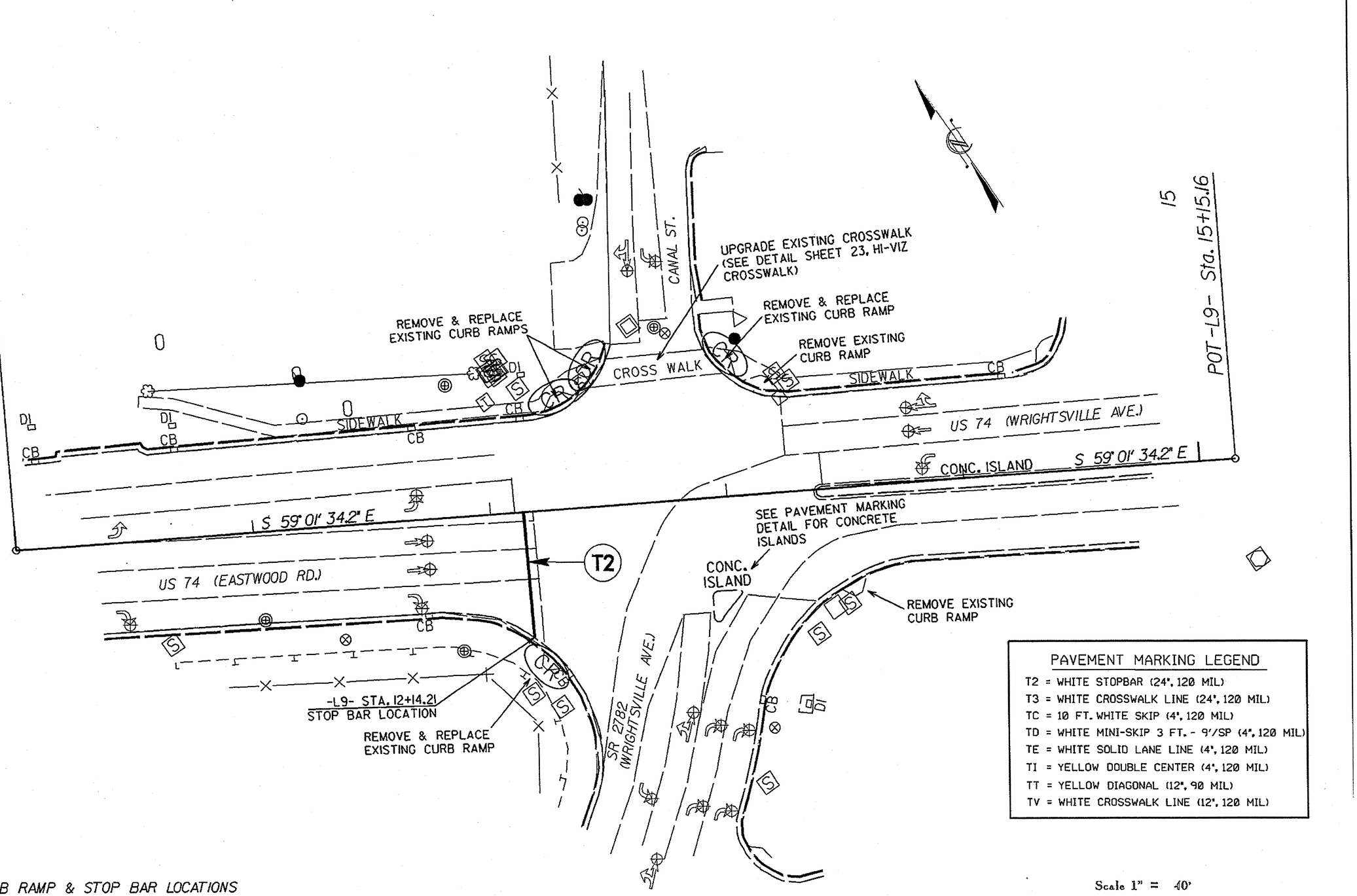
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	58



PAVEMENT MARKING LEGEND

T2 = WHITE STOPBAR (24", 120 MIL)
T3 = WHITE CROSSWALK LINE (24", 120 MIL)
TC = 10 FT. WHITE SKIP (4", 120 MIL)
TD = WHITE MINI-SKIP 3 FT. - 9'/SP (4", 120 MIL)
TE = WHITE SOLID LANE LINE (4", 120 MIL)
TI = YELLOW DOUBLE CENTER (4", 120 MIL)
TT = YELLOW DIAGONAL (12", 90 MIL)
TV = WHITE CROSSWALK LINE (12", 120 MIL)

CURB RAMP & STOP BAR LOCATIONS
NEW HANOVER COUNTY - MAP 9
US 74 (EASTWOOD RD.) &
SR 2782 (WRIGHTSVILLE AVE.) / CANAL ST.

REVISIONS

8/17/99

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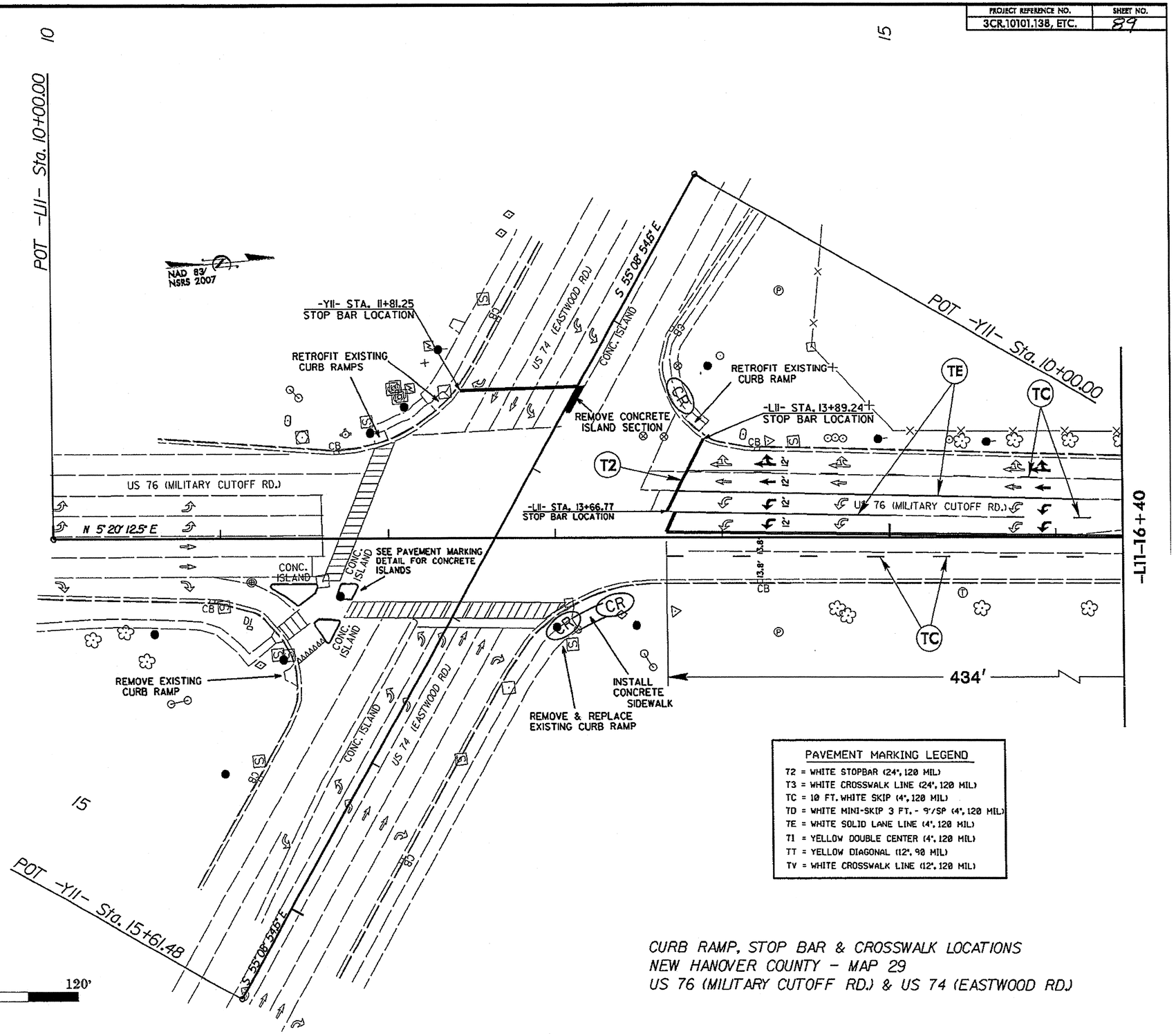
PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	89



PAVEMENT MARKING LEGEND

T2 = WHITE STOPBAR (24", 120 MIL)
T3 = WHITE CROSSWALK LINE (24", 120 MIL)
TC = 10 FT. WHITE SKIP (4", 120 MIL)
TD = WHITE MINI-SKIP 3 FT. - 9'/SP (4", 120 MIL)
TE = WHITE SOLID LANE LINE (4", 120 MIL)
TI = YELLOW DOUBLE CENTER (4", 120 MIL)
TT = YELLOW DIAGONAL (12", 90 MIL)
TV = WHITE CROSSWALK LINE (12", 120 MIL)

CURB RAMP, STOP BAR & CROSSWALK LOCATIONS
NEW HANOVER COUNTY - MAP 29
US 76 (MILITARY CUTOFF RD.) & US 74 (EASTWOOD RD.)

REVISIONS

8/17/99

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PROJECT REFERENCE NO.	SHEET NO.
3CR.10101.138, ETC.	9D

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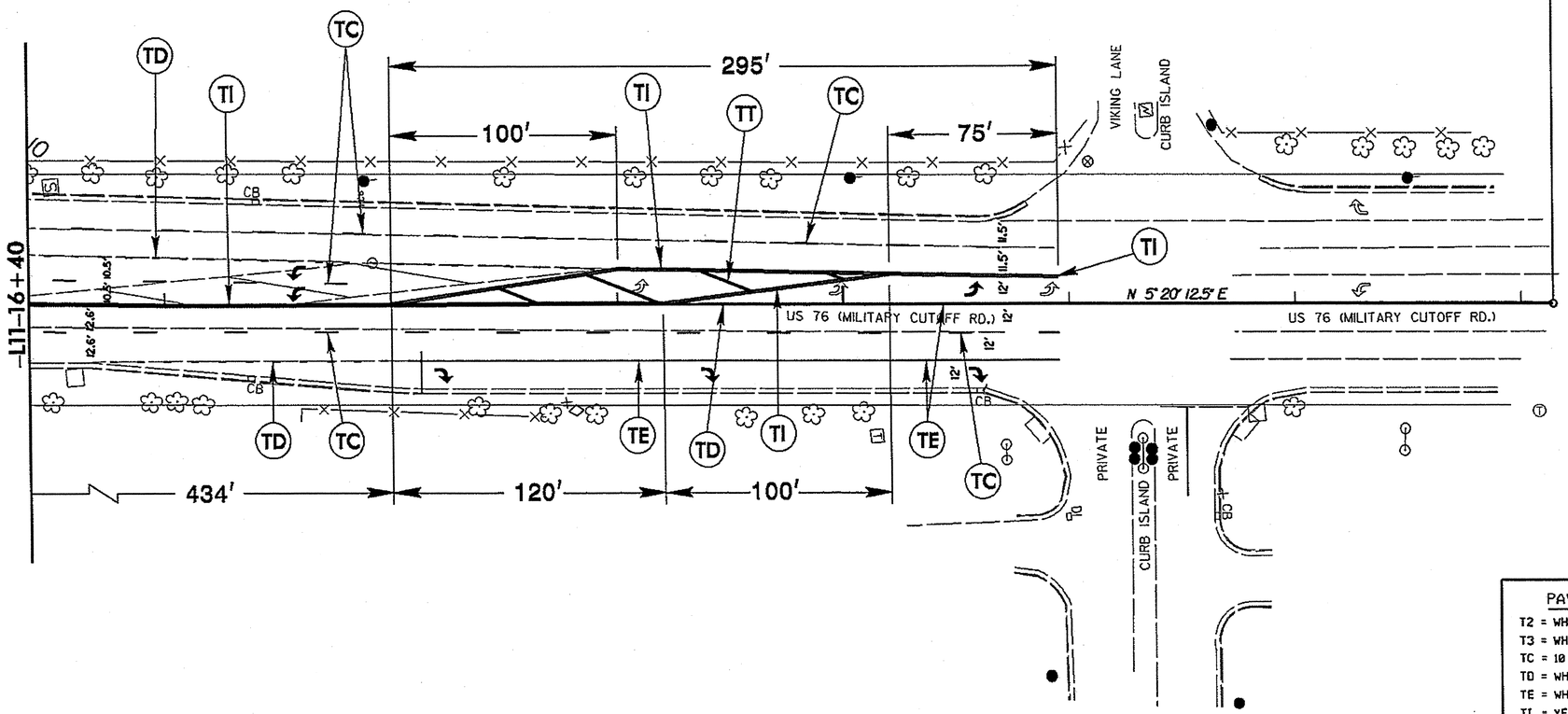
POT -L11- Sta. 23+14.27

NAD 83/
NSRS 2007



PAVEMENT MARKING LEGEND

T2 = WHITE STOPBAR (24", 120 MIL)
T3 = WHITE CROSSWALK LINE (24", 120 MIL)
TC = 10 FT. WHITE SKIP (4", 120 MIL)
TD = WHITE MINI-SKIP 3 FT. - 9'/SP (4", 120 MIL)
TE = WHITE SOLID LANE LINE (4", 120 MIL)
TI = YELLOW DOUBLE CENTER (4", 120 MIL)
TT = YELLOW DIAGONAL (12", 90 MIL)
TV = WHITE CROSSWALK LINE (12", 120 MIL)

Scale 1" = 60'

60' 0 60' 120'

CURB RAMP, STOP BAR & CROSSWALK LOCATIONS
NEW HANOVER COUNTY - MAP 29
US 76 (MILITARY CUTOFF RD.) & US 74 (EASTWOOD RD.)

REVISIONS

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pcheuvronstaff

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