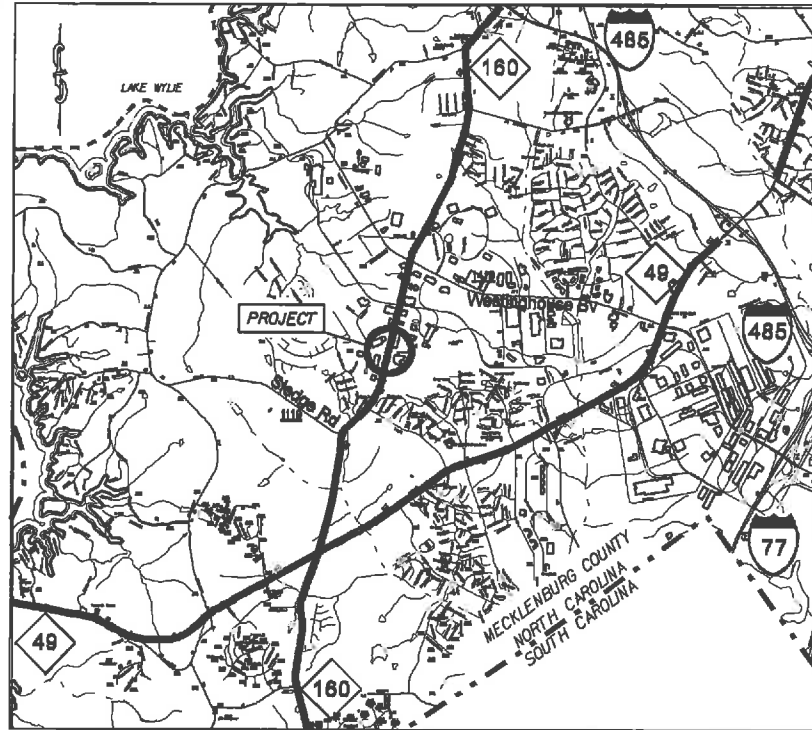


TIP: SS-4910Y

PROJECT: 42614.3.1

PROJECT: 42614.3.1



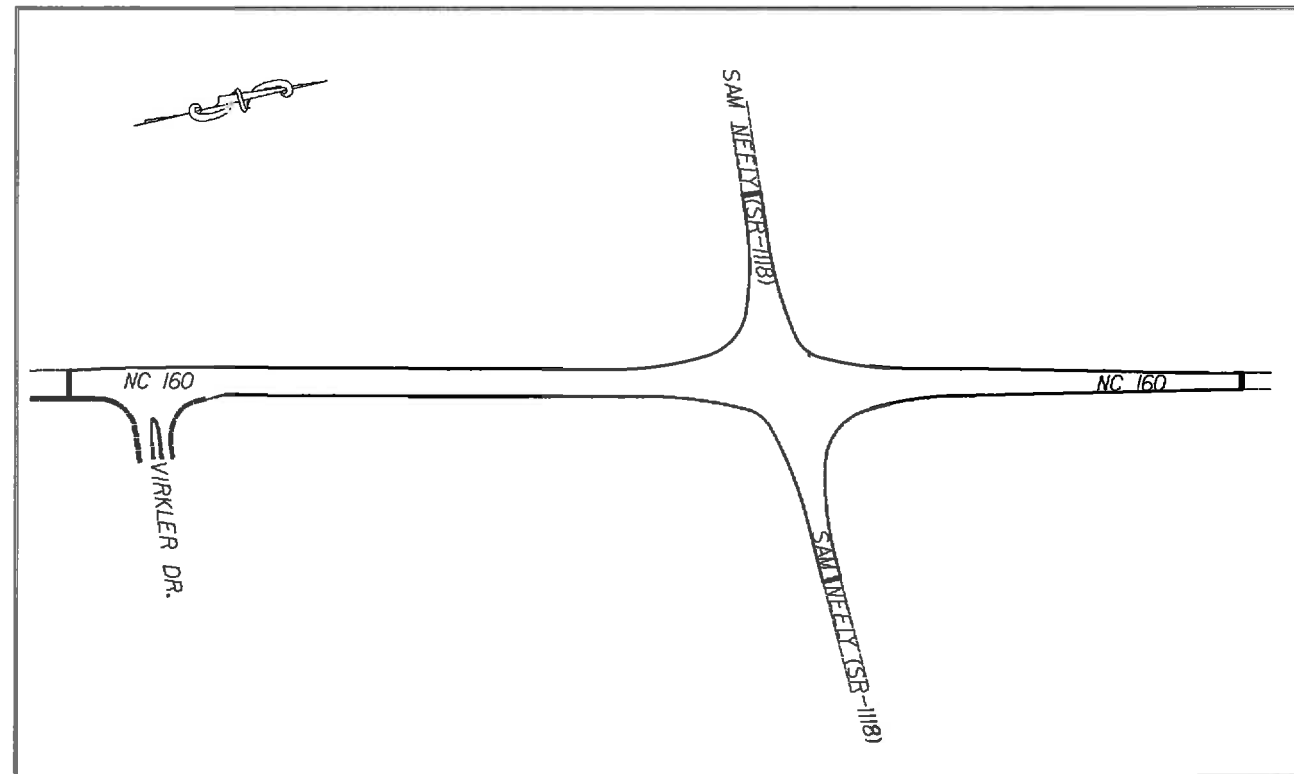
VICINITY MAP NOT TO SCALE

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

MECKLENBURG COUNTY

LOCATION: INTERSECTION NC 160 AND SAM NEELY (SR-1118).

TYPE OF WORK: GRADING, PAVING, DRAINAGE & THERMOPLASTIC PAVEMENT MARKINGS



CLEARING ON THIS PROJECT SHALL BE TO THE LIMITS ESTABLISHED BY METHOD II AS DESCRIBED IN THE NCDOT STANDARD DRAWINGS

STATE	STATE PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
N.C.	42614.3.1	1	
ITEM NO.	D.A. NUMBER	DESCRIPTION	
42614.1.1		P.E.	
42614.2.1		R/W	
42614.3.1		CONST.	

GRAPHIC SCALES



DESIGN DATA

ADT 2008 = 16,000
ADT 2025 = 33,000
DHV = 10 %
D = %
T = %
V = 50 MPH

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT 42614 = 0.39 MILES
TOTAL LENGTH OF STATE PROJECT 42614 = 0.39 MILES

Prepared in the Office of,
DIVISION OF HIGHWAYS
DIVISION TEN
DIVISION DESIGN / CONSTRUCT UNIT

PER STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:
AUGUST 15, 2012

RANDY BOWERS
PROJECT ENGINEER

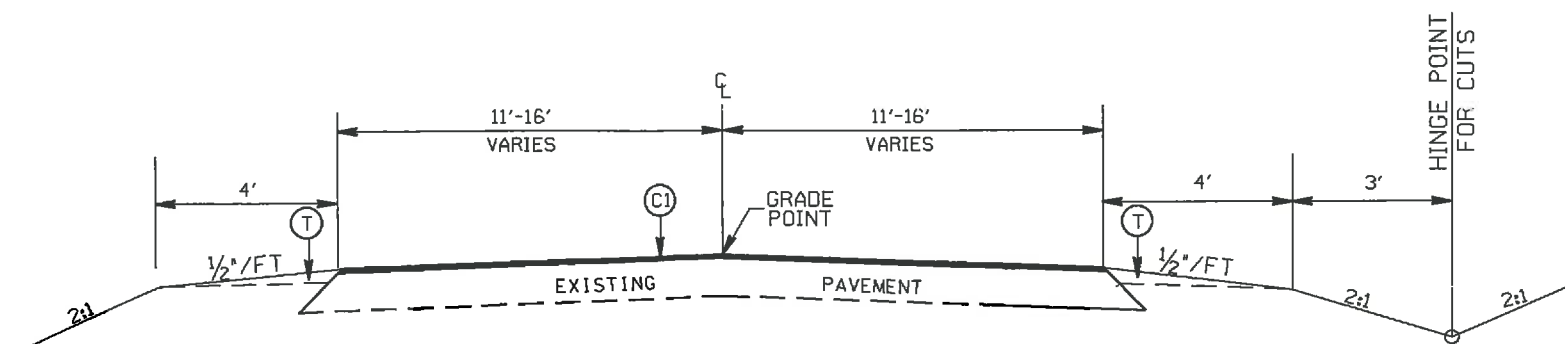
TERRY BURLESON
PROJECT DESIGN ENGINEER



DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

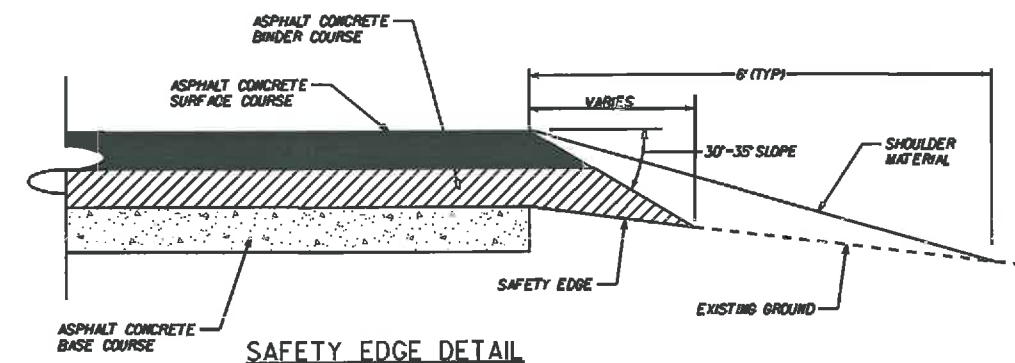
APPROVED BY
DIVISION DESIGN ENGINEER DATE

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	42614.3J	2	
F.A. PROJECT NO.			

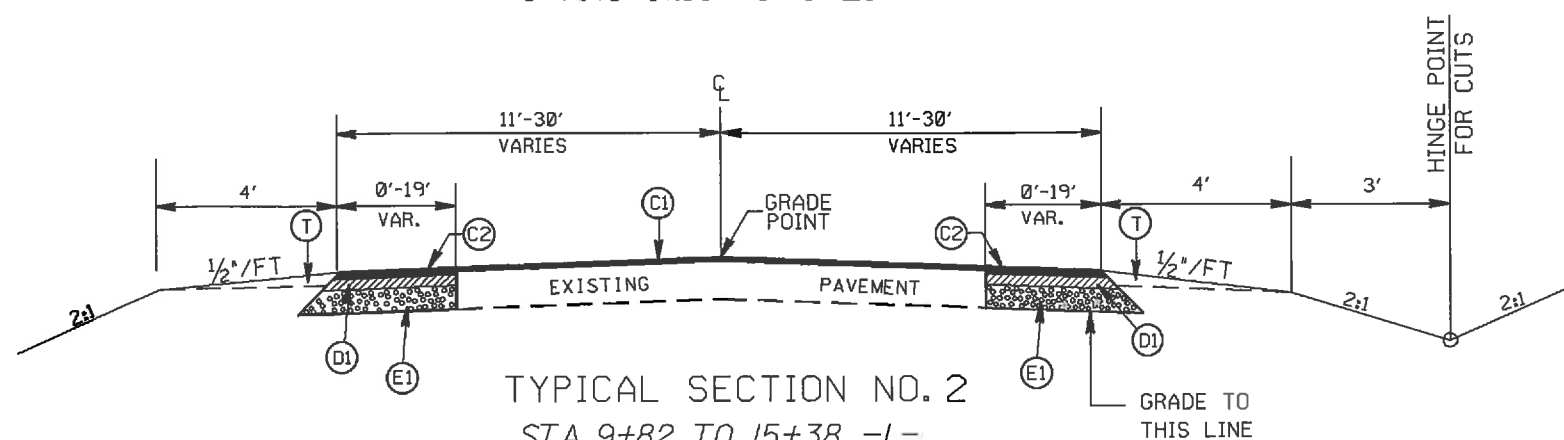


TYPICAL SECTION NO. 1

STA. 7+75 TO 9+82 -L-
 STA. 23+05.03 TO 23+30 -L-
 STA. 10+95 TO 11+20.97 -Y-
 STA. 15+91.06 TO 16+20 -Y-

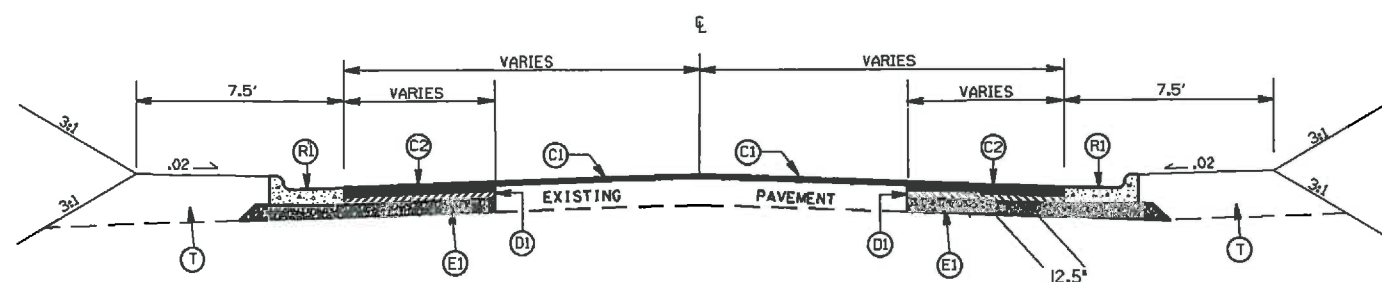


THE PAVEMENT EDGE FOR THE BASE COURSE IS 1:1.
 THE PAVEMENT EDGE FOR THE INTERMEDIATE COURSE AND SURFACE COURSE MUST HAVE THE SAFETY EDGE. SEE PROJECT SPECIAL PROVISIONS.



TYPICAL SECTION NO. 2

STA. 9+82 TO 15+38 -L-
 STA. 19+26 TO 23+05.03 -L-
 STA. 11+20.97 TO 12+45.79 -Y-
 STA. 14+66.26 TO 15+91.06 -Y-



TYPICAL SECTION NO. 3

STA. 15+38 TO 19+26 -L-
 STA. 12+45.79 TO 13+32 -Y-
 STA. 13+68 TO 14+66.26 -Y-

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1 1/2" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 3" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
(D1)	PROP. APPROX. 4" ASPHALT CONC. BINDER COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
(E1)	PROP. APPROX. 5.5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
(R1)	PROP. 2'6" CONC. CURB & GUTTER
(T)	EARTH MATERIAL

INTERSECTION OF NC 160
 AND SAM NEELY (SR-1118)

SCALE	1"=50'		REVISIONS
DATE	1-11		
DWG. BY	TWB		
DESIGN BY	TWB		
APPROVED	RWB		

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NOTE: Invert Elevations are for Bid Purposes only and shall not be used for project construction stakout.
See "Standard Specifications For Roads and Structures, Section 300-5".

RIGHT OF WAY AREA DATA

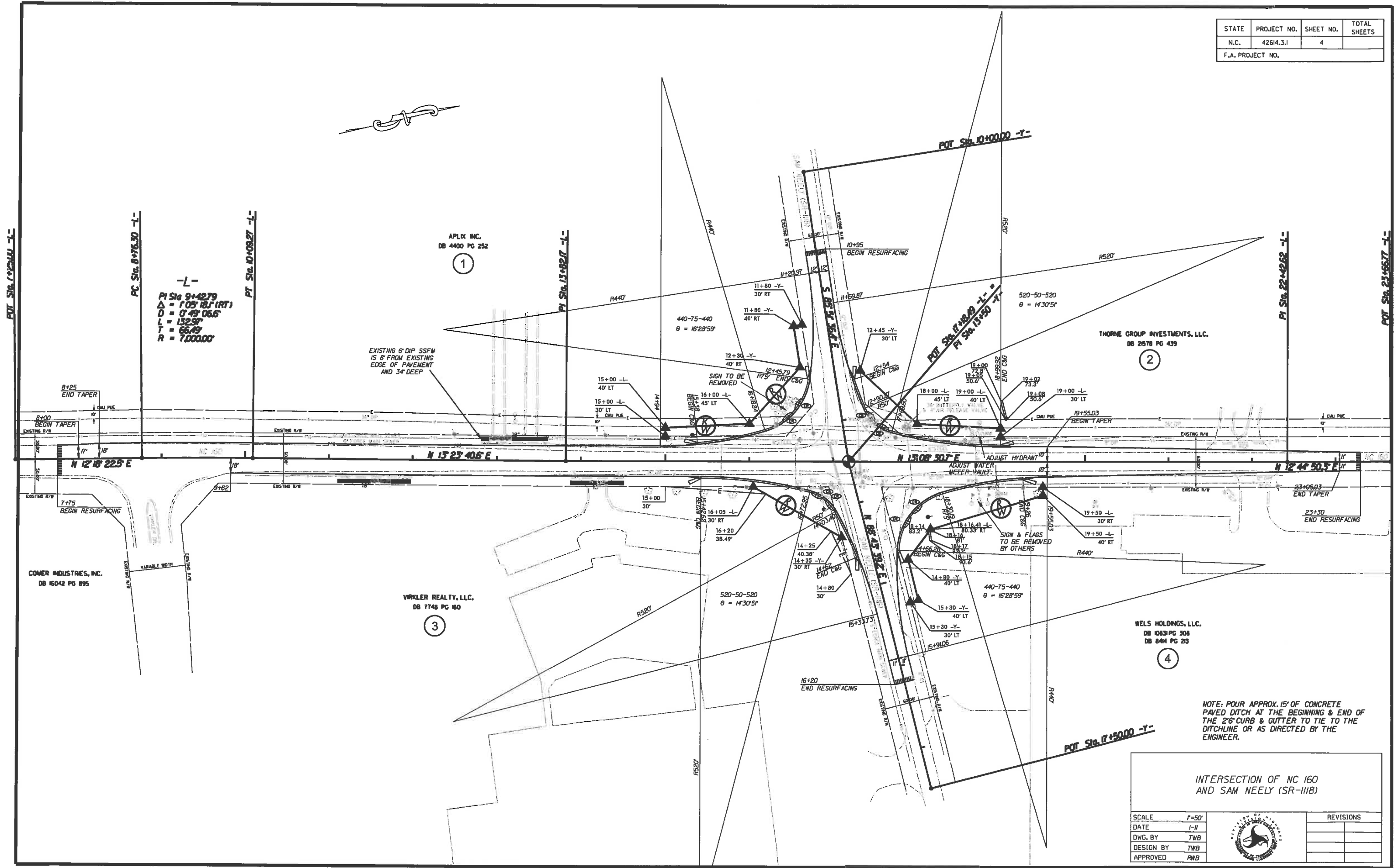
SUMMARY OF QUANTITIES

Table with columns for PARCEL NO., PROPERTY OWNERS NAMES, TOTAL ACREAGE, AREA TAKEN, AREA REMAINING RT., AREA REMAINING LT., CONST. BASE, PERM. UTILITY BASE, TEMP. DRAIN. BASE, and two SUMMARY columns with sub-columns for DESC.NO., SECT.NO., QUANTITY, UNIT, and ITEM DESCRIPTION.

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

Main data table with columns for STATION, LOCATION (RT, LT, or C), STRUCTURE NO., TOP ELEVATION, INVERT ELEVATION, SLOPE CRITICAL, DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC), C.S. PIPE (UNLESS NOTED OTHERWISE), CLASS III I.C. PIPE (UNLESS OTHERWISE NOTED), ENDWALLS (STD. 838.01, STD. 838.11, or STD. 838.80), QUANTITIES FOR DRAINAGE STRUCTURES, PER EACH FT THRU 5.0', 5.0' THRU 10.0', 10.0' AND ABOVE, C.U. YDS., R.C.P., C.S.P., FRAME, GRATES AND HOOD STANDARD 840.03, TYPE OF GRATE (E, F, G), CORR. STEEL ELBOWS NO. & SIZE, CONC. COLLARS CL. 7" C.Y. STD. 840.72, CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71, PIPE REMOVAL L.A.F.T., and ABBREVIATIONS (C.B., N.D.I., D.I., G.D.I., G.D.I. (N.S.), J.B., M.H., T.B.D.I., T.B.J.B., REMARKS).

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	42614.3.1	4	
F.A. PROJECT NO.			



-L-
 PI Sta. 9+4279
 $\Delta = 1'05''18.1''(RT)$
 $D = 0'49''06.6''$
 $L = 132.9'$
 $T = 66.45'$
 $R = 7,000.00'$

EXISTING 6' DIP SSFM
 IS 8' FROM EXISTING
 EDGE OF PAVEMENT
 AND 3' DEEP

NOTE: POUR APPROX. 15' OF CONCRETE
 PAVED DITCH AT THE BEGINNING & END OF
 THE 2'6" CURB & GUTTER TO TIE TO THE
 DITCHLINE OR AS DIRECTED BY THE
 ENGINEER.

INTERSECTION OF NC 160
 AND SAM NEELY (SR-1118)

SCALE	1"=50'		REVISIONS
DATE	1-11		
DWG. BY	TWB		
DESIGN BY	TWB		
APPROVED	RWB		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	42614.3.1	PMP-1	
F.A. PROJECT NO.			

NOTE: THE CONTRACTOR SHALL NOT MARK THE CROSSWALKS FOR THIS PROJECT.
THE CROSSWALKS ARE SHOWN TO AID IN THE PLACEMENT OF THE STOPBARS ONLY.

PAVEMENT MARKING SCHEDULE

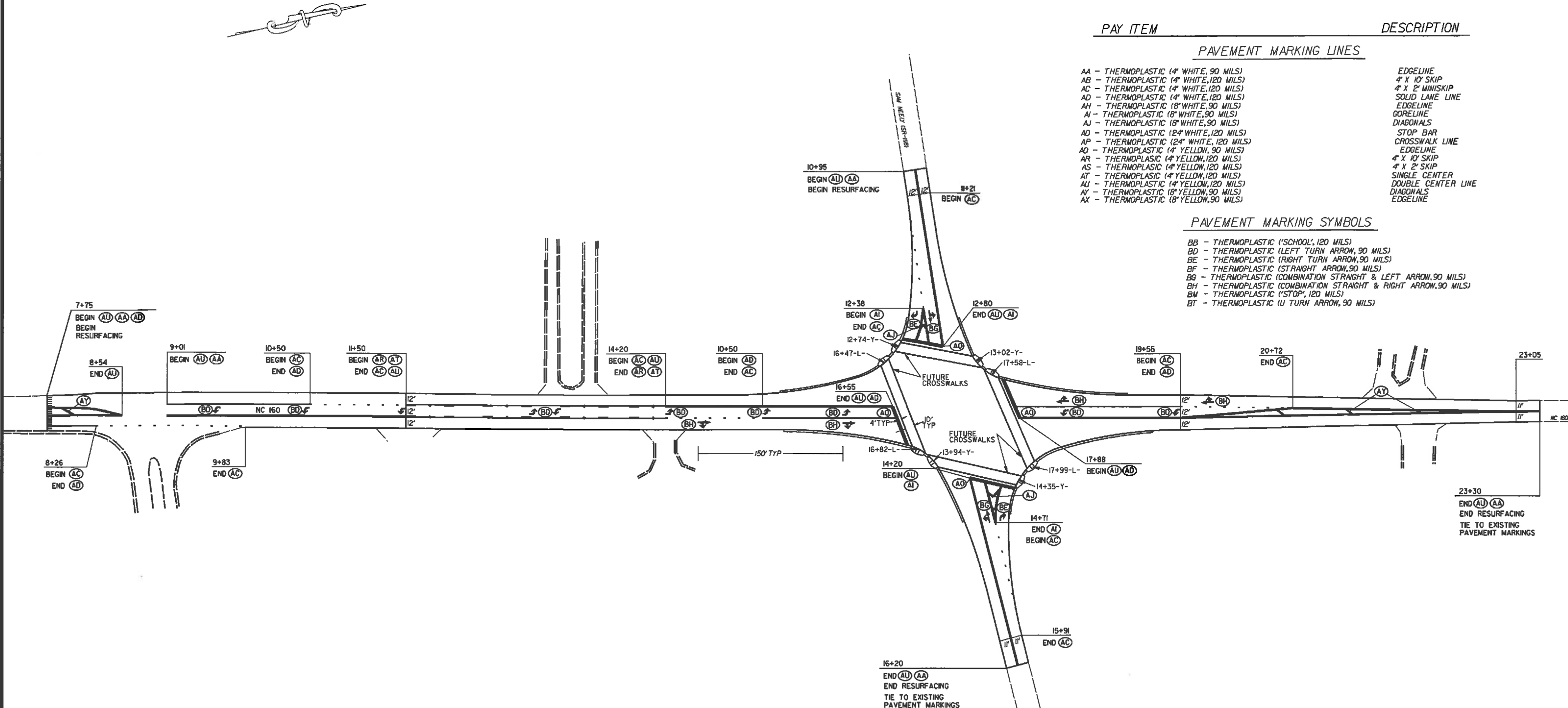
PAY ITEM	DESCRIPTION
----------	-------------

PAVEMENT MARKING LINES

AA - THERMOPLASTIC (4" WHITE, 90 MILS)	EDGELINE
AB - THERMOPLASTIC (4" WHITE, 120 MILS)	4" X 10' SKIP
AC - THERMOPLASTIC (4" WHITE, 120 MILS)	4" X 2' MINISKIP
AD - THERMOPLASTIC (4" WHITE, 120 MILS)	SOLID LANE LINE
AH - THERMOPLASTIC (8" WHITE, 90 MILS)	EDGELINE
AI - THERMOPLASTIC (8" WHITE, 90 MILS)	GORELINE
AJ - THERMOPLASTIC (8" WHITE, 90 MILS)	DIAGONALS
AO - THERMOPLASTIC (12" WHITE, 120 MILS)	STOP BAR
AP - THERMOPLASTIC (24" WHITE, 120 MILS)	CROSSWALK LINE
AQ - THERMOPLASTIC (4" YELLOW, 90 MILS)	EDGELINE
AR - THERMOPLASTIC (4" YELLOW, 120 MILS)	4" X 10' SKIP
AS - THERMOPLASTIC (4" YELLOW, 120 MILS)	4" X 2' SKIP
AT - THERMOPLASTIC (4" YELLOW, 120 MILS)	SINGLE CENTER
AU - THERMOPLASTIC (4" YELLOW, 120 MILS)	DOUBLE CENTER LINE
AV - THERMOPLASTIC (8" YELLOW, 90 MILS)	DIAGONALS
AX - THERMOPLASTIC (8" YELLOW, 90 MILS)	EDGELINE

PAVEMENT MARKING SYMBOLS

BB - THERMOPLASTIC ('SCHOOL', 120 MILS)
BD - THERMOPLASTIC (LEFT TURN ARROW, 90 MILS)
BE - THERMOPLASTIC (RIGHT TURN ARROW, 90 MILS)
BF - THERMOPLASTIC (STRAIGHT ARROW, 90 MILS)
BG - THERMOPLASTIC (COMBINATION STRAIGHT & LEFT ARROW, 90 MILS)
BH - THERMOPLASTIC (COMBINATION STRAIGHT & RIGHT ARROW, 90 MILS)
BM - THERMOPLASTIC ('STOP', 120 MILS)
BT - THERMOPLASTIC (U TURN ARROW, 90 MILS)



INTERSECTION OF NC 160
AND SAM NEELY (SR-1118)

SCALE	1"=50'		REVISIONS
DATE	1-11		
DMG. BY	TWB		
DESIGN BY	TWB		
APPROVED	RWB		

PROJECT: 42614.3.1 TIP: SS-4910Y

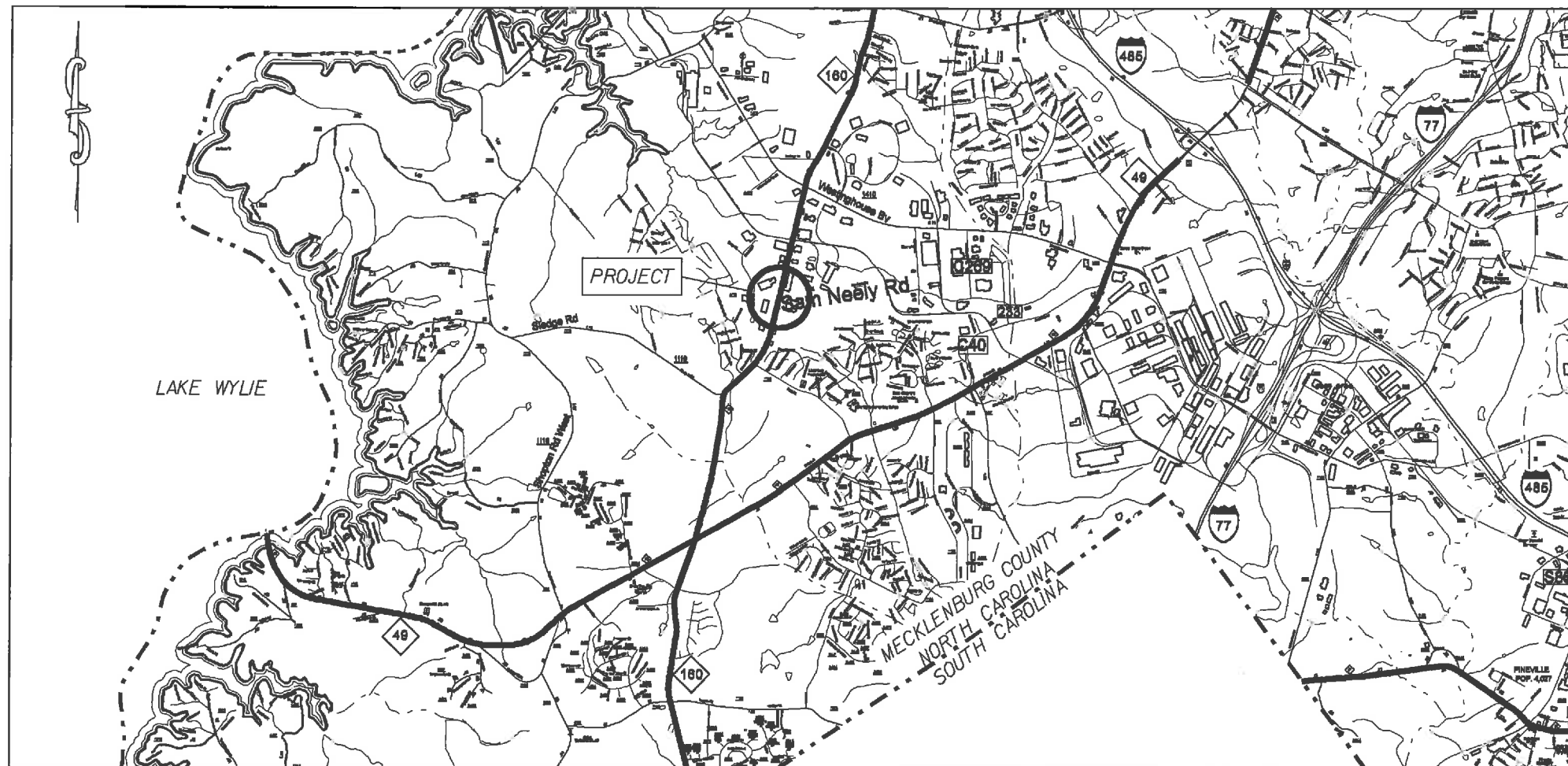
STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 PLAN FOR PROPOSED
 HIGHWAY EROSION CONTROL

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	42614.3.1	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

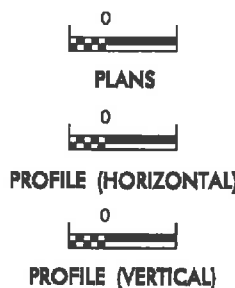
EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1650.05	Temporary Silt Ditch	---
1630.05	Temporary Diversion	--->---
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	---X---
1622.01	Temporary Berms and Slope Drains	---T---
1630.02	Silt Basin Type B	---S---
1633.01	Temporary Rock Silt Check Type-A	---R---
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	---R---M---
1633.02	Temporary Rock Silt Check Type-B	---R---C---
	Wattle / Coir Fiber Wattle	---W---
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	---W---M---
1634.01	Temporary Rock Sediment Dam Type-A	---D---
1634.02	Temporary Rock Sediment Dam Type-B	---D---C---
1635.01	Rock Pipe Inlet Sediment Trap Type-A	---C---
1635.02	Rock Pipe Inlet Sediment Trap Type-B	---C---C---
1630.04	Stilling Basin	---S---
1630.06	Special Stilling Basin	---S---S---
	Rock Inlet Sediment Trap:	
1632.01	Type A	---A---
1632.02	Type B	---B---
1632.03	Type C	---C---
	Skimmer Basin	---S---
	Tiered Skimmer Basin	---S---S---
	Infiltration Basin	---I---

THIS PROJECT CONTAINS
 EROSION CONTROL PLANS
 FOR CLEARING AND
 GRUBBING PHASE OF
 CONSTRUCTION.



GRAPHIC SCALE



ROADSIDE ENVIRONMENTAL UNIT
 DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY
 WITH THE REGULATIONS SET FORTH BY THE
 NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011
 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND
 NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared in the Office of:

DDC UNIT DIVISION 10
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
2012 STANDARD SPECIFICATIONS

DONALD HARWARD
 EROSION CONTROL DESIGNER

3028
 LEVEL III-A CERTIFICATION #

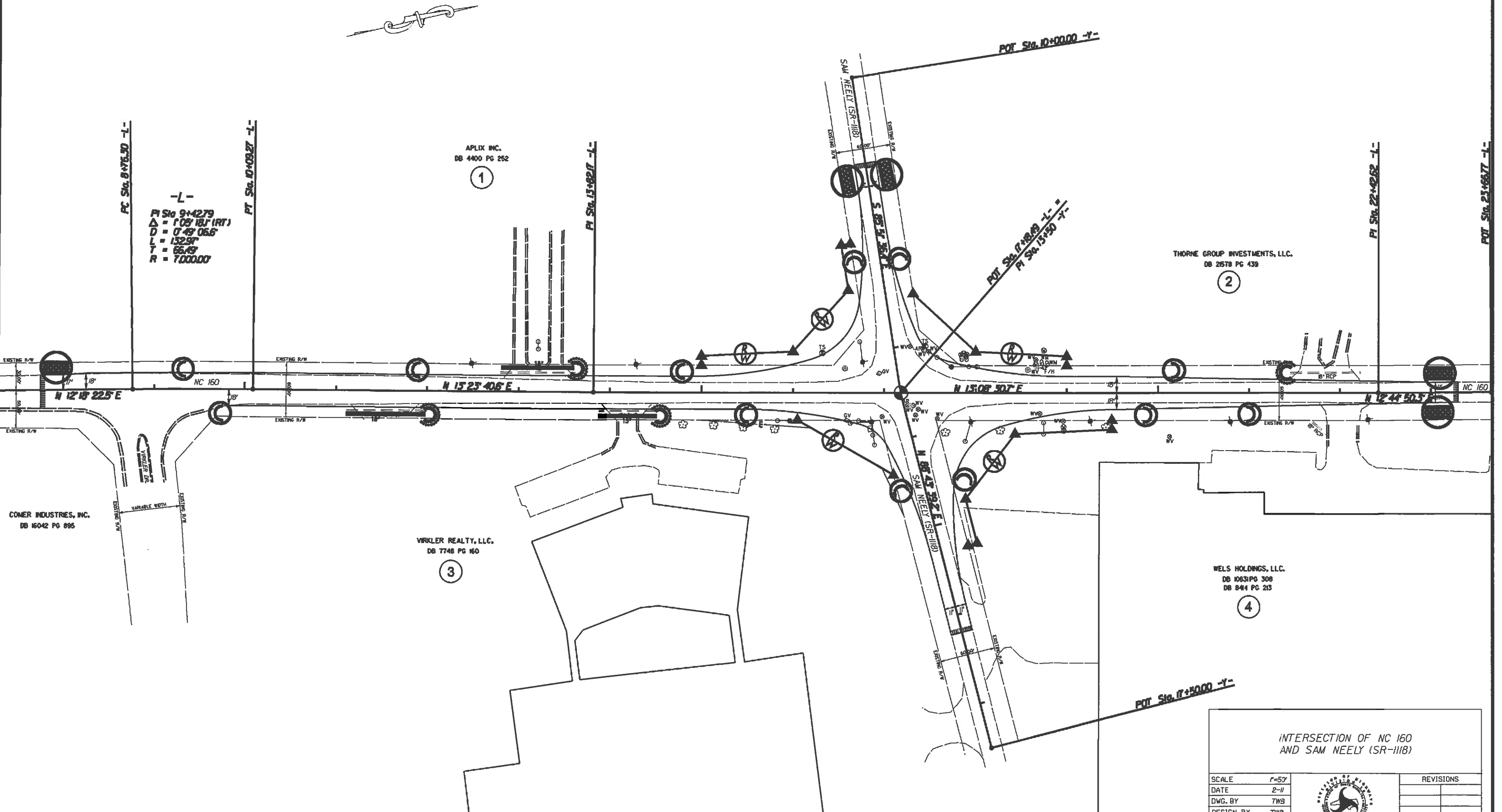
Roadway Standard Drawings

The following roadway English standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01 Railroad Erosion Control Detail	1632.01 Rock Inlet Sediment Trap Type A
1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type B
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 General Construction Entrances	1633.01 Temporary Rock Silt Check Type A
1622.01 Temporary Berms and Slope Drains	1633.02 Temporary Rock Silt Check Type B
1630.01 Silt Basin	1634.01 Temporary Rock Sediment Dam Type A
1630.02 Silt Basin Type B	1634.02 Temporary Rock Sediment Dam Type B
1630.03 Temporary Silt Ditch	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.04 Stilling Basin	1635.02 Rock Pipe Inlet Sediment Trap Type B
1630.05 Temporary Diversion	1640.01 Coir Fiber Wattle
1630.06 Special Stilling Basin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

16-Jul-2012 14:41:44 (Location) ss.neely_erosion_t11sheet.dgn

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	4264.3J	EC-2	
F.A. PROJECT NO.			



-L-
 PI Sta 9+42.79
 $\Delta = 1'05''18.1$ (RT)
 $D = 0'49''06.6$
 $L = 132.97'$
 $T = 66.49'$
 $R = 7000.00'$

APLIX INC.
 DB 4400 PG 252
 ①


THORNE GROUP INVESTMENTS, LLC.
 DB 2578 PG 439
 ②

COMER INDUSTRIES, INC.
 DB 16042 PG 895

VIRKLER REALTY, LLC.
 DB 7748 PG 160
 ③

WELS HOLDINGS, LLC.
 DB 1083 PG 308
 DB 844 PG 213
 ④

INTERSECTION OF NC 160
AND SAM NEELY (SR-1118)

SCALE	1"=57'		REVISIONS
DATE	2-11		
DWG. BY	TWB		
DESIGN BY	TWB		
APPROVED	RWB		