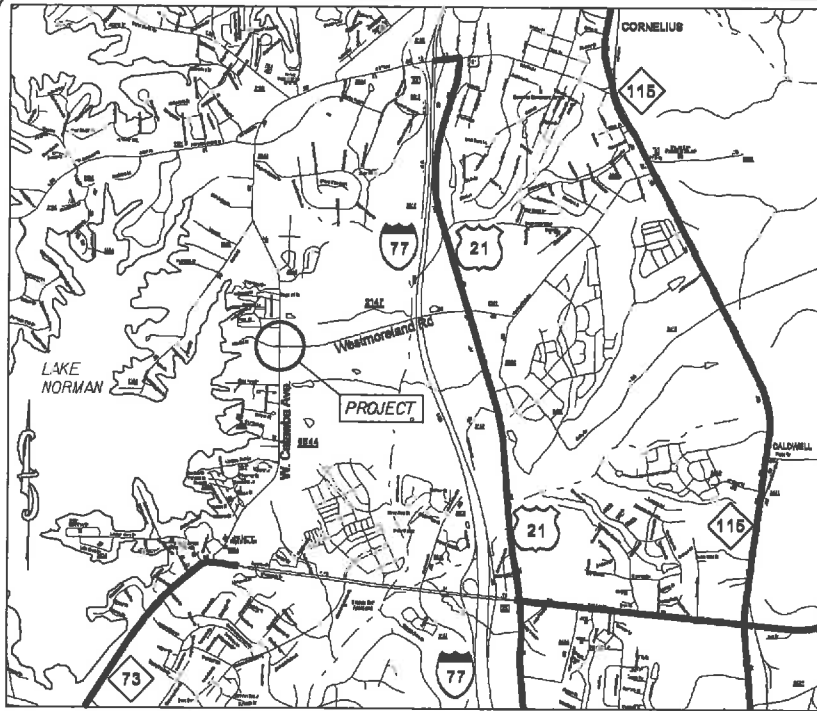


PROJECT: 44056.3.1 TIP:C-4956A

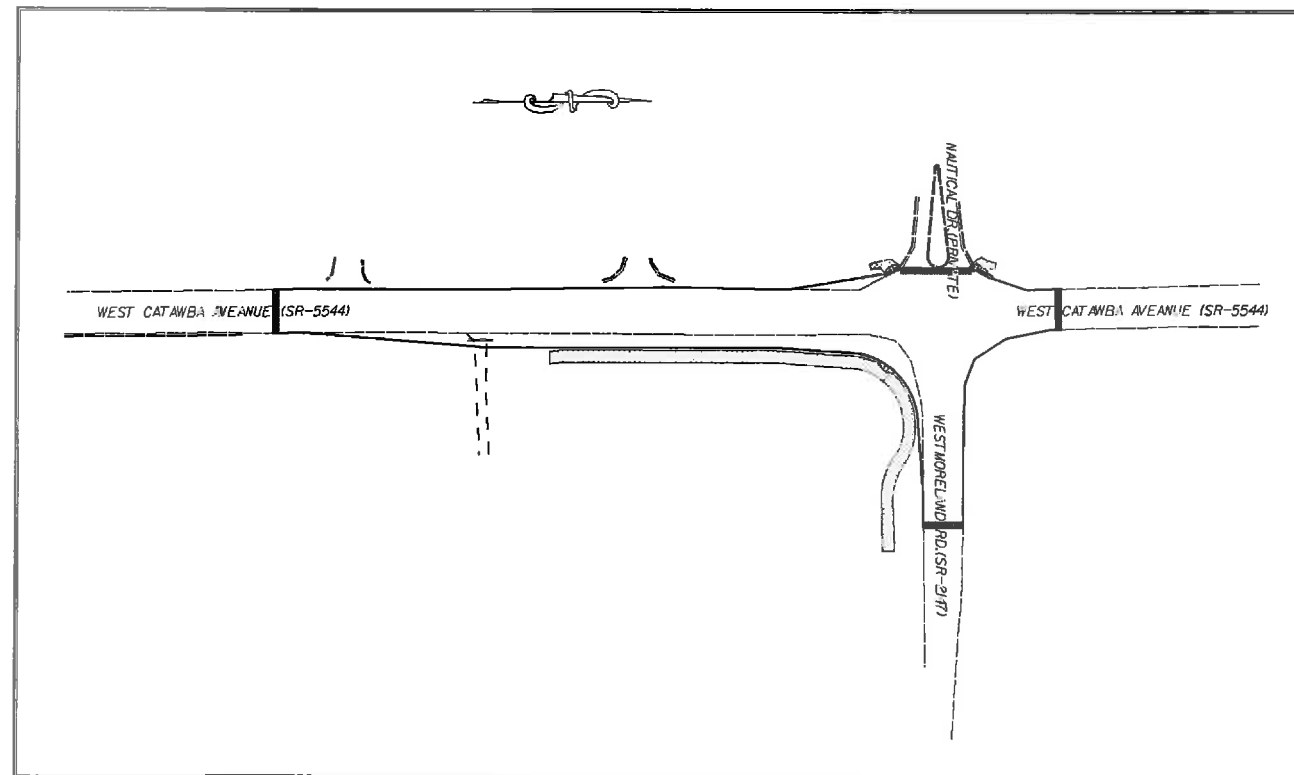


VICINITY MAP NOT TO SCALE

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
MECKLENBURG COUNTY

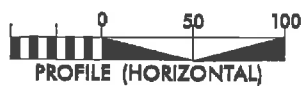
LOCATION: INTERSECTION OF WEST CATAWBA AVENUE (SR-5544)
AND WEST MORELAND RD. (SR-2147)

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



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	44056.3.1	1	
STATE PROJ. NO.	P.A. PROJECT NO.	DESCRIPTION	
44056.1.1		P.E.	
44056.2.1		R/W	
44056.3.1		CONST.	

GRAPHIC SCALES



DESIGN DATA

ADT 2008 = 21,000
ADT 2025 = 41,000
DHV = 10 %
D = %
T = %
V = 50 MPH

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT 44056.3.1 = 0.17 MILES
TOTAL LENGTH OF STATE PROJECT 44056.3.1 = 0.17 MILES

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

RIGHT OF WAY DATE:

RANDY BOWERS
PROJECT ENGINEER

LETTING DATE:
February 5, 2014

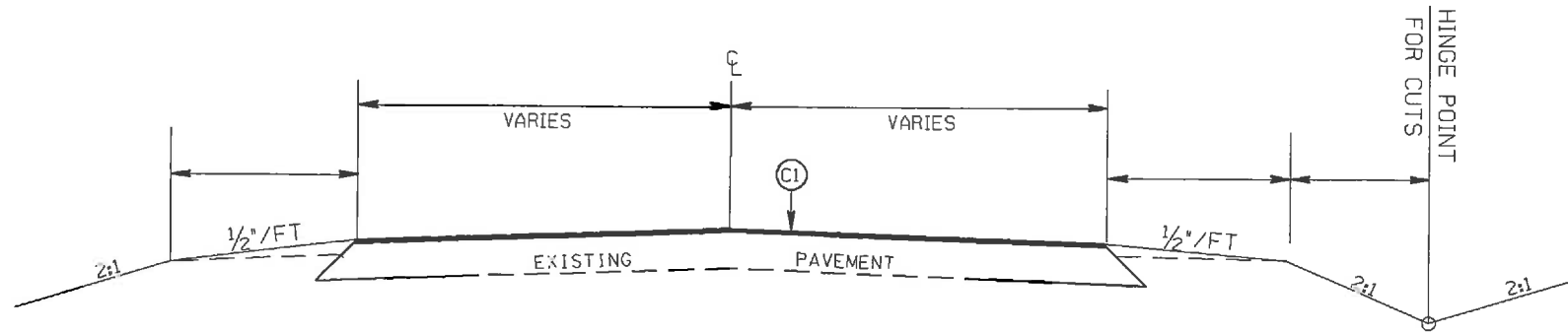
TERRY BURLESON
PROJECT DESIGN ENGINEER



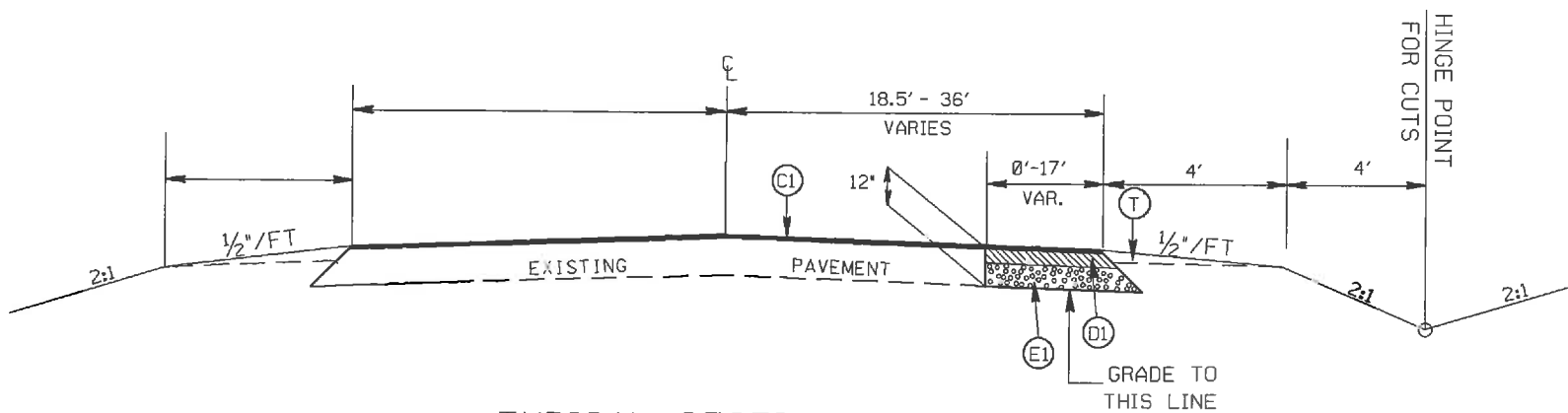
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

APPROVED BY _____ DATE _____
DDC ENGINEER

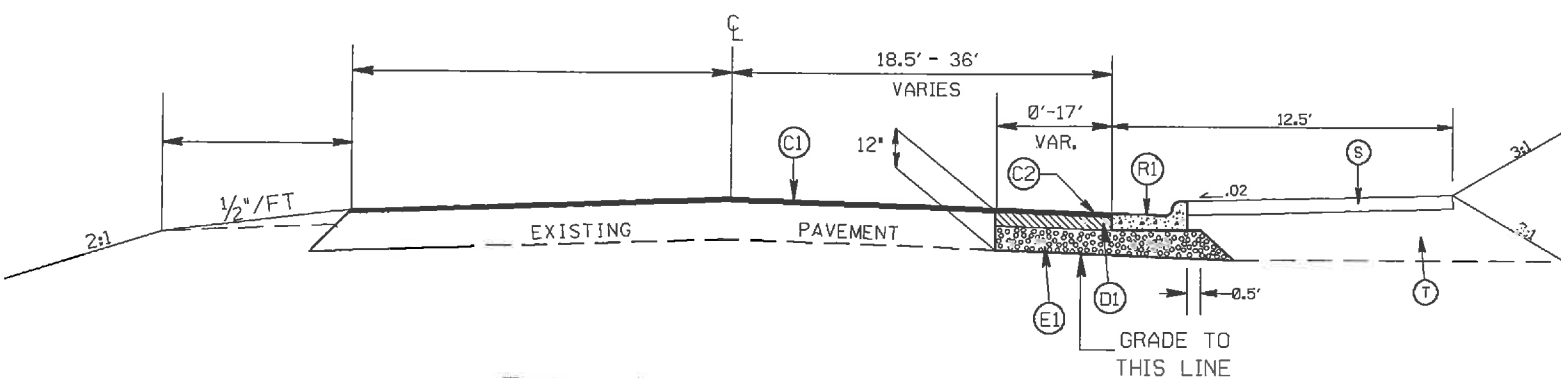
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	44056.3.1	2	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 1
 STA. 11+71 TO 11+96.02 -L-
 STA. 16+78 TO 18+25 -L-
 STA. 12+00 TO 12+50 -Y-



TYPICAL SECTION NO. 2
 STA. 11+96.02 TO 14+00 -L-



TYPICAL SECTION NO. 3
 STA. 14+00 TO 16+00 -L-

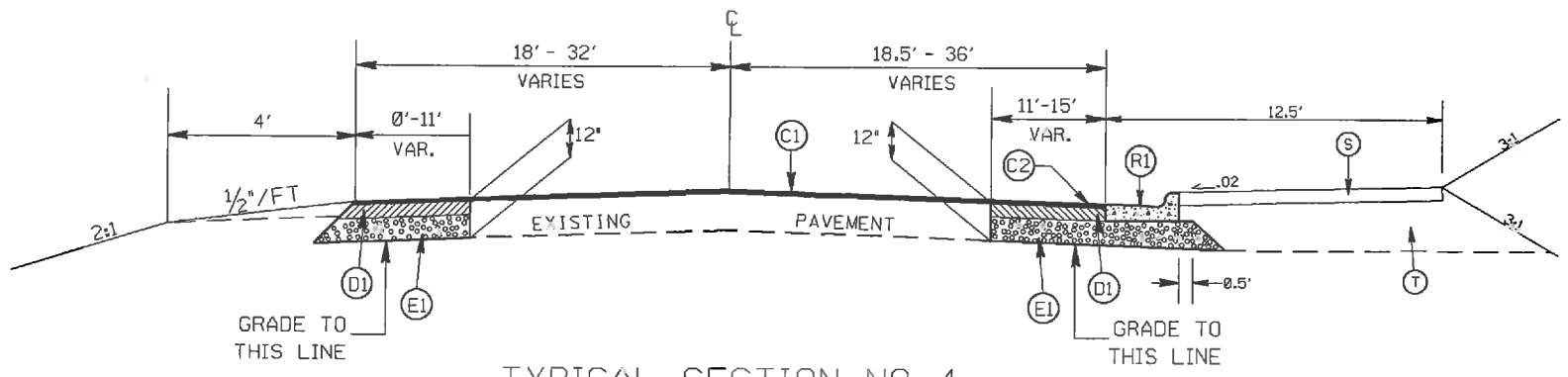
PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1/2" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1/2" 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" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(S)	PROP. 4" CONC. SIDEWALK
(T)	EARTH MATERIAL

INTERSECTION OF WEST CATAWBA AVENUE
 (SR-5544) AND WEST MORELAND RD. (SR-2147)

SCALE	1"=50'		REVISIONS
DATE	6-11		
DWG. BY	TWB		
DESIGN BY	TWB		
APPROVED	RWB		

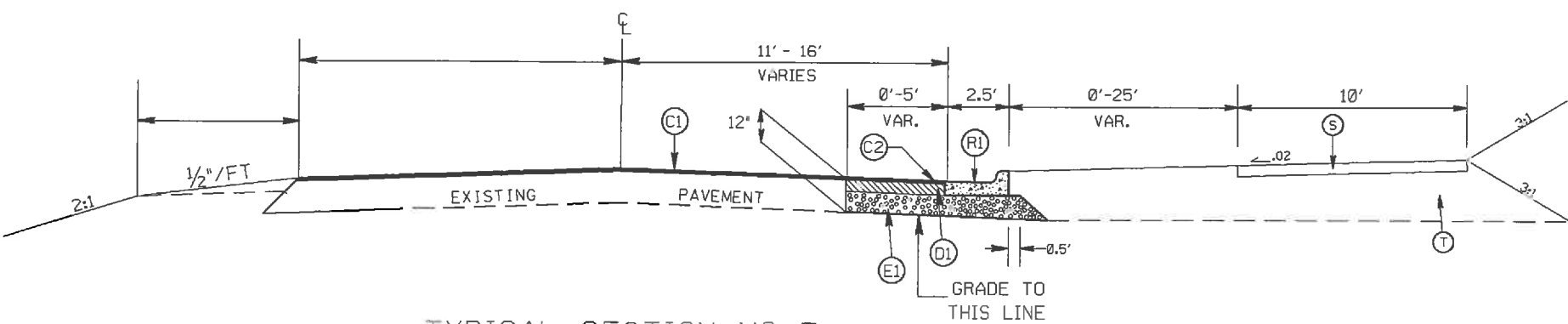
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	44056.3.I	2A	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 4
STA. 16+00 TO 16+78 -L-


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. 1 1/2" 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" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(S)	PROP. 4" CONC. SIDEWALK
(T)	EARTH MATERIAL

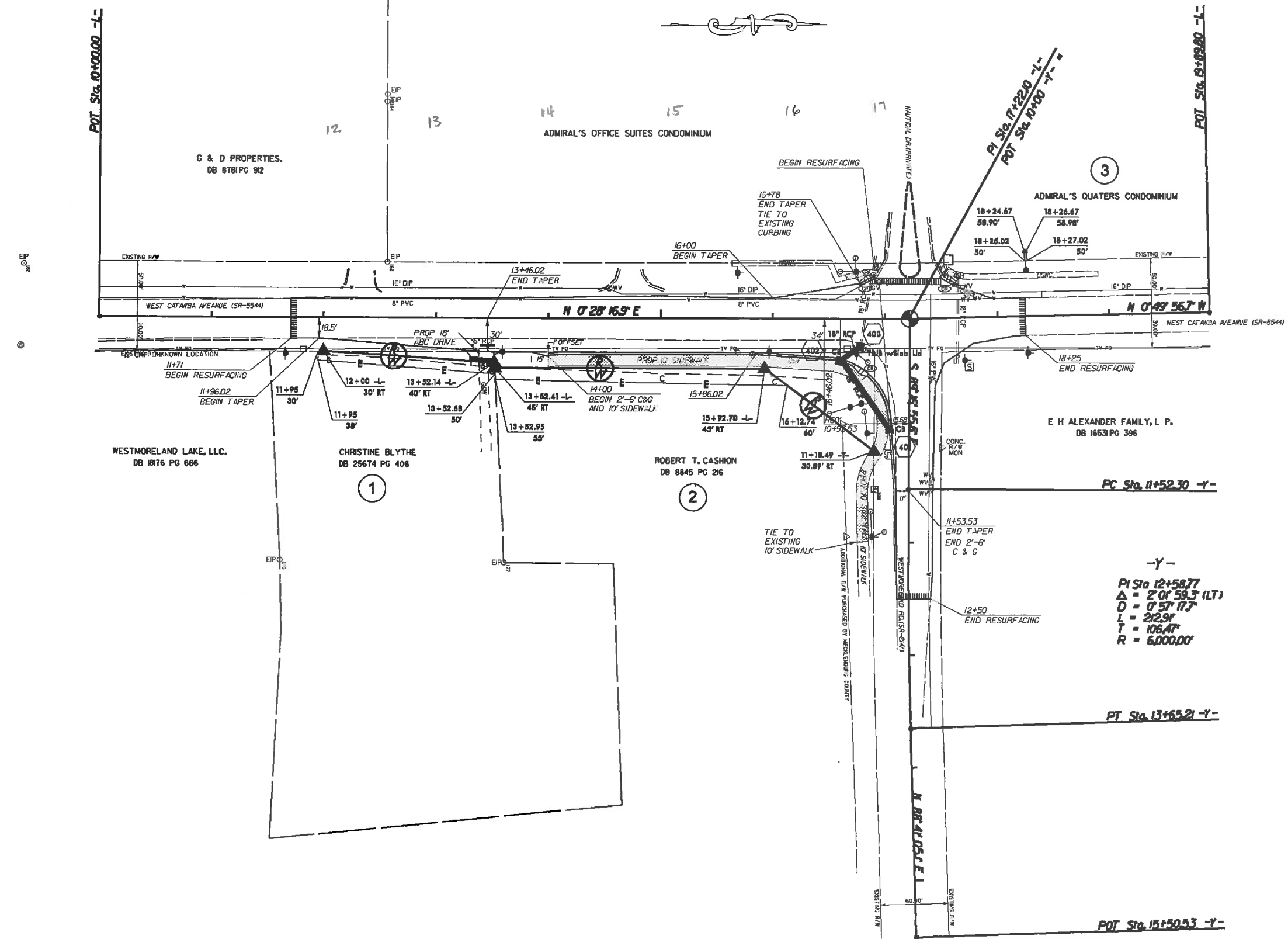


TYPICAL SECTION NO. 5
STA. 10+60 TO 12+00 -Y-

INTERSECTION OF WEST CATAWBA AVENUE (SR-5544) AND WEST MORELAND RD. (SR-2147)

SCALE	1"=50'		REVISIONS
DATE	2-11		
DWG. BY	TWB		
DESIGN BY	TWB		
APPROVED	RWB		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	44056.3.I	4	
F.A. PROJECT NO.			



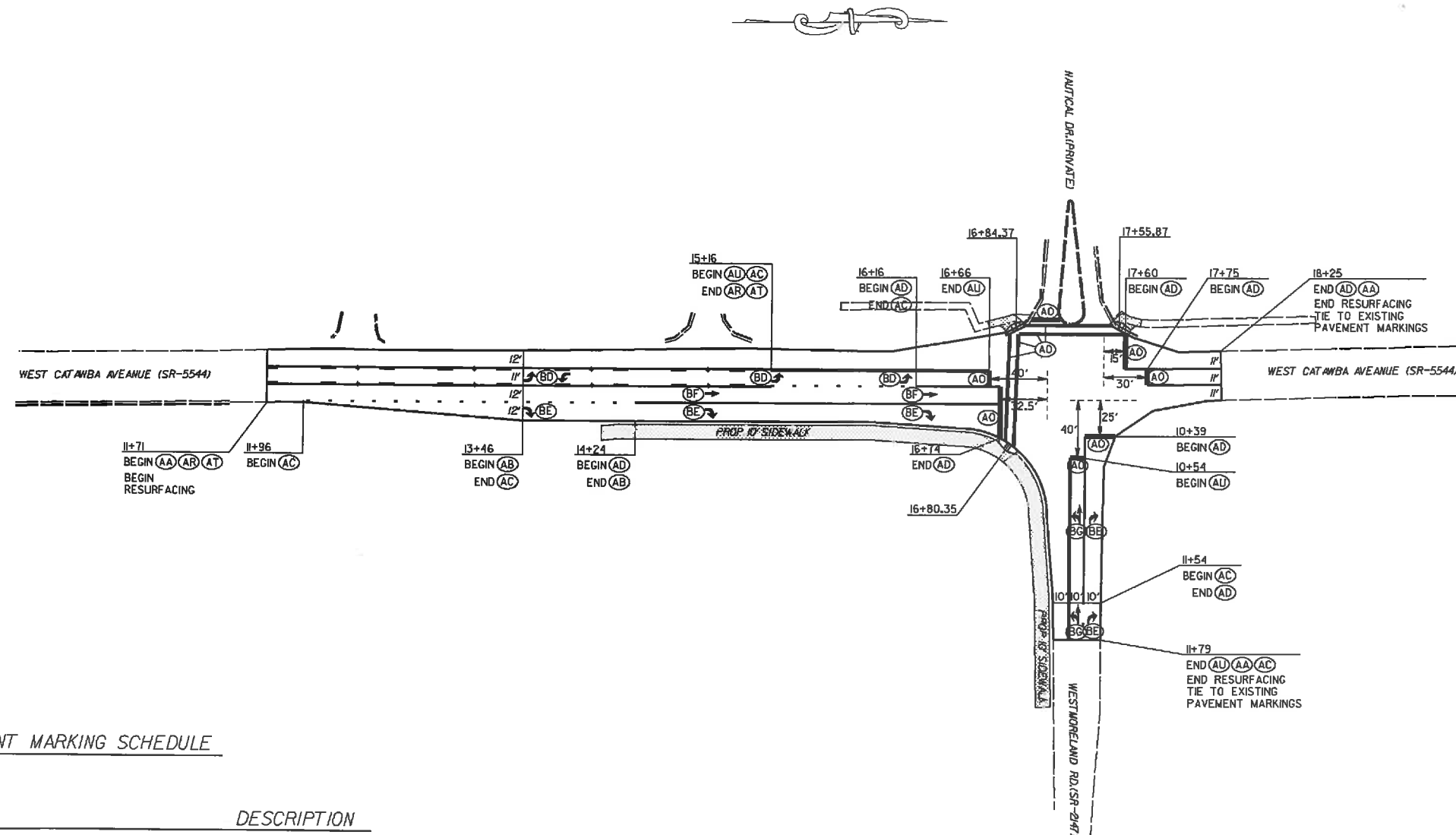
NOTE: 18" RCP FROM STRUCTURE 401 TO 402 IS TO BE LAID @ 0.5%

-Y-
 PI Sta 12+58.77
 $\Delta = 2' 01.59.3$ (LT)
 $D = 0' 57.17$
 $L = 212.9'$
 $T = 106.47'$
 $R = 6,000.00'$

INTERSECTION OF WEST CATAWBA AVENUE (SR-5544) AND WEST MORELAND RD. (SR-2147)

SCALE	1"=50'		REVISIONS
DATE	6-11		
DWG. BY	TWE		
DESIGN BY	TWE		
APPROVED	RWB		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	44056.3J	PMP-1	
F.A. PROJECT NO.			



PAVEMENT MARKING SCHEDULE

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

PAVEMENT MARKING LINES

AA - THERMOPLASTIC (4" WHITE, 90 MILS)	EDGE LINE
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)	EDGE LINE
AI - THERMOPLASTIC (8" WHITE, 90 MILS)	GC RELINE
AJ - THERMOPLASTIC (8" WHITE, 90 MILS)	DIAGONALS
AO - THERMOPLASTIC (24" WHITE, 120 MILS)	STOP BAR
AP - THERMOPLASTIC (24" WHITE, 120 MILS)	CROSSWALK LINE
AO - THERMOPLASTIC (4" YELLOW, 90 MILS)	EDGE LINE
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)	EDGE LINE

PAVEMENT MARKING SYMBOLS

BB - THERMOPLASTIC ("SCHOOL", 120 MILS)
BC - THERMOPLASTIC ("ONLY", 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 WEST CATAWBA AVENUE (SR-5544) AND WEST MORELAND RD. (SR-2147)

SCALE	1"=50'		REVISIONS
DATE	6-11		
DWG. BY	TWB		
DESIGN BY	TWB		
APPROVED	RWB		

PROJECT: 44056.3.1 TIP: C-4956A

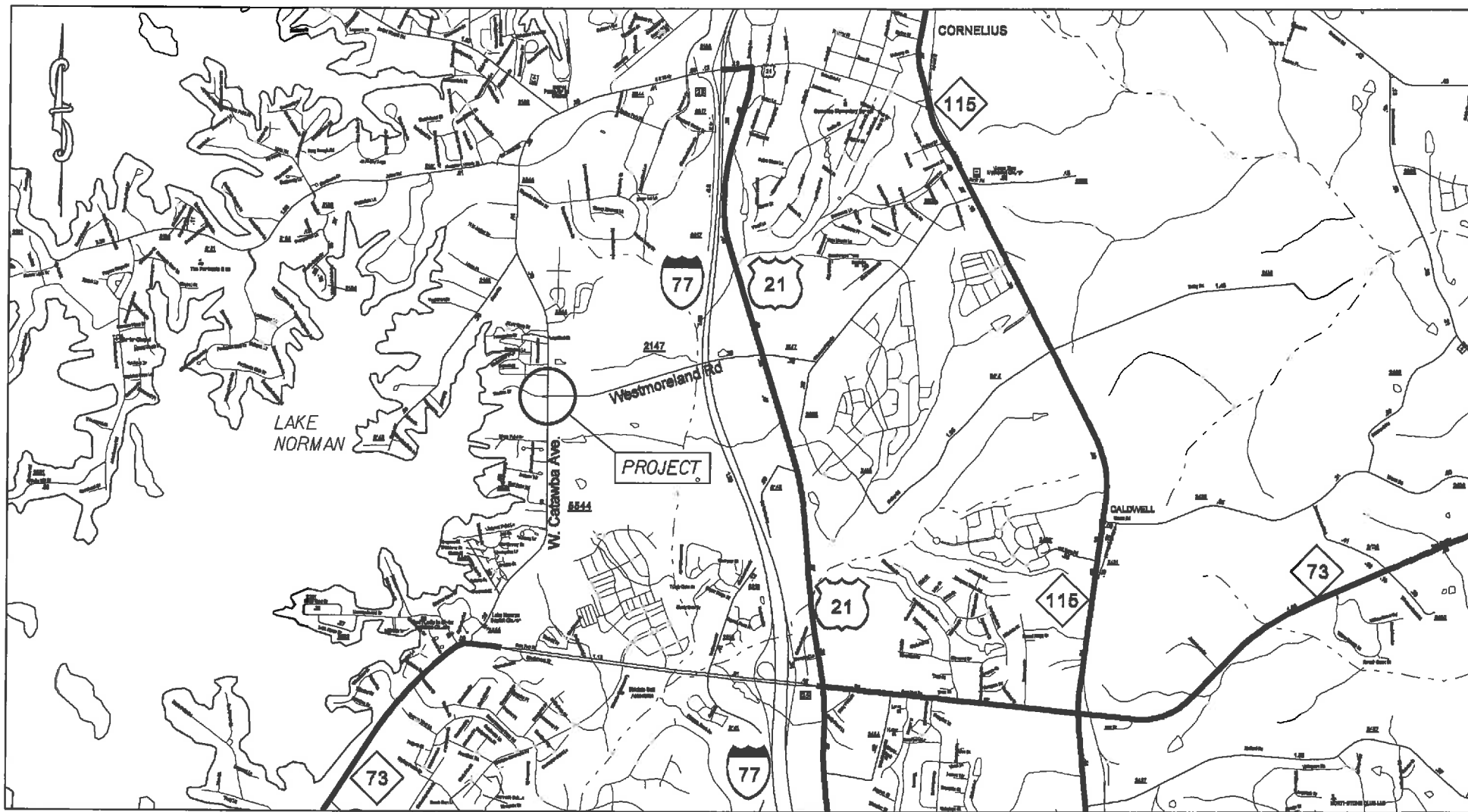
STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 PLAN FOR PROPOSED
 HIGHWAY EROSION CONTROL

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	44056.3.1	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

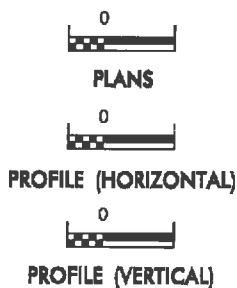
EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	-----
1630.05	Temporary Diversion	-----
1605.01	Temporary Silt Fence	--- --- ---
1606.01	Special Sediment Control Fence	--- --- ---
1622.01	Temporary Berms and Slope Drains	-----
1630.02	Silt Basin Type B	-----
1633.01	Temporary Rock Silt Check Type-A	-----
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	-----
1633.02	Temporary Rock Silt Check Type-B	-----
	Wattle/Coir Fiber Wattle	-----
	Wattle/Coir Fiber Wattle with Polyacrylamide (PAM)	-----
1634.01	Temporary Rock Sediment Dam Type-A	-----
1634.02	Temporary Rock Sediment Dam Type-B	-----
1635.01	Rock Pipe Inlet Sediment Trap Type-A	-----
1635.02	Rock Pipe Inlet Sediment Trap Type-B	-----
1630.04	Stilling Basin	-----
1630.06	Special Stilling Basin	-----
	Rock Inlet Sediment Trap:	
1632.01	Type A	-----
1632.02	Type B	-----
1632.03	Type C	-----
	Skimmer Basin	-----
	Tiered Skimmer Basin	-----
	Infiltration Basin	-----

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.

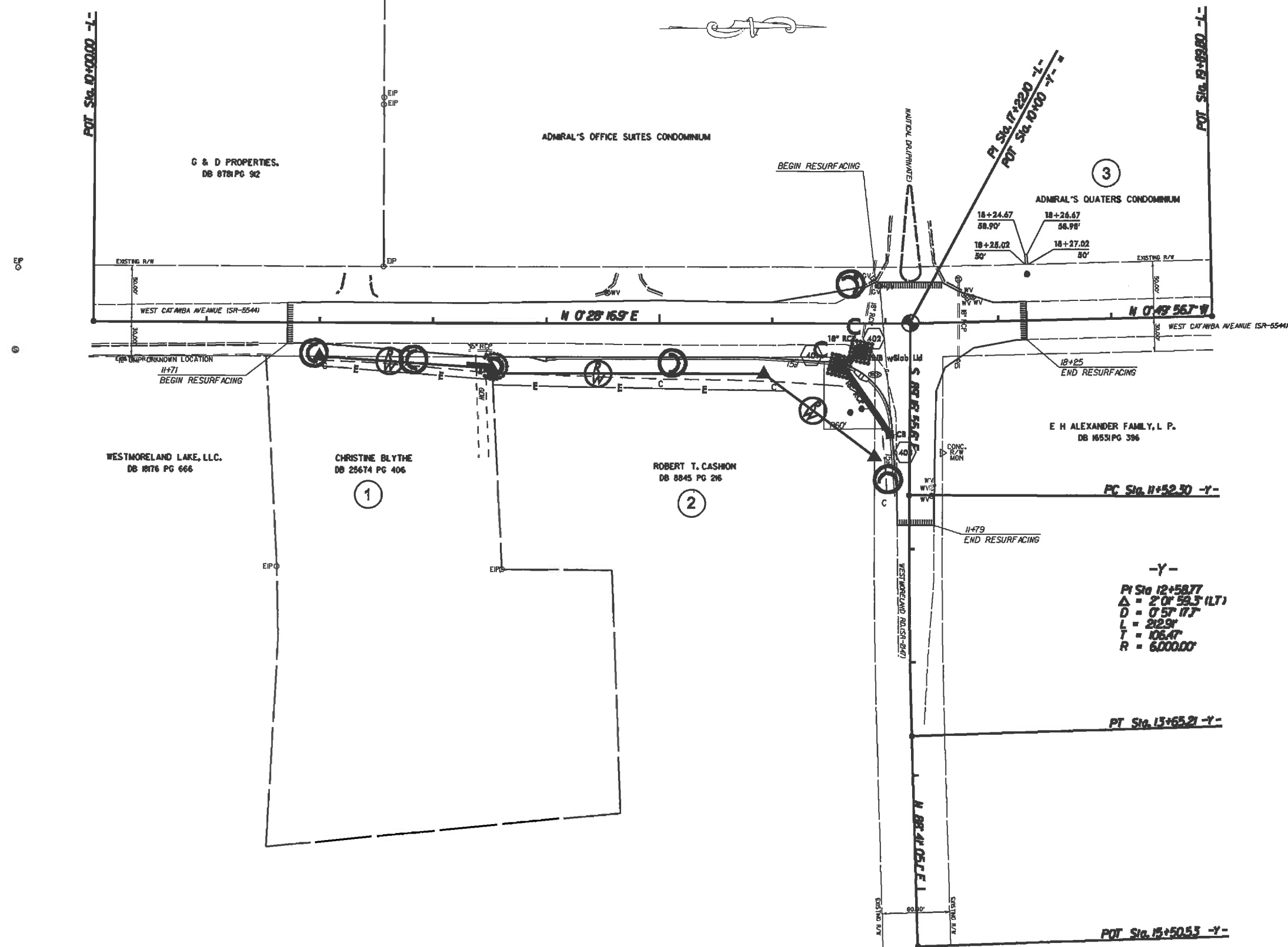
Prepared in the Office of:
DDC UNIT DIVISION 10
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
2012 STANDARD SPECIFICATIONS

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 Gravel 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	1648.01 Temporary Stream Crossing
1631.01 Matting Installation	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	44056.3.1	EC-2	
F.A. PROJECT NO.			



NOTE: 18" RCP FROM STRUCTURE 401 TO 402 IS TO BE LAID @ 0.5%

INTERSECTION OF WEST CATAWBA AVENUE (SR-5544) AND WEST MORELAND RD.(SR-2147)

SCALE	1"=50'
DATE	6-11
DWG. BY	TWB
DESIGN BY	TWB
APPROVED	RWB



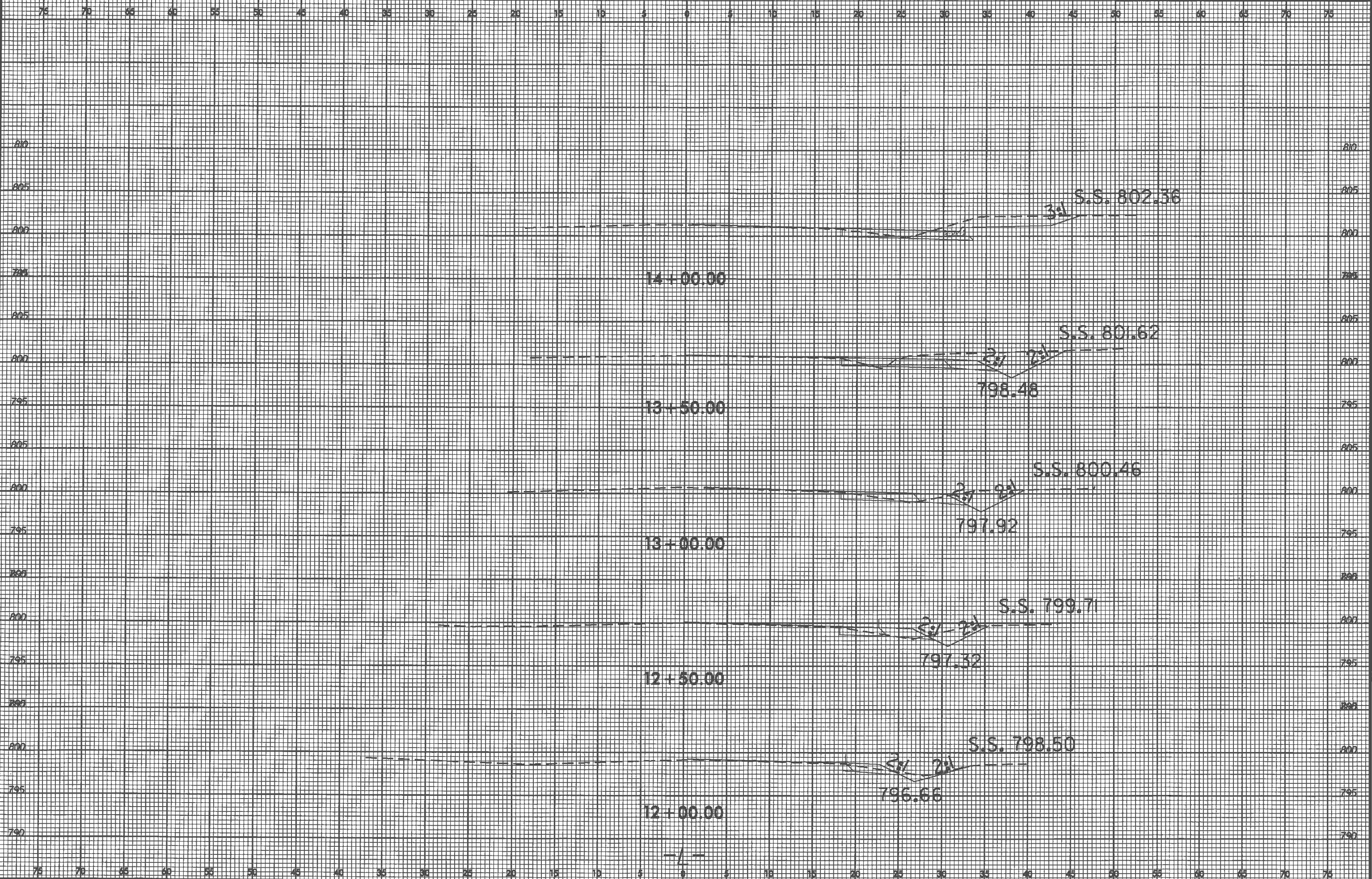
REVISIONS	

8/22/99



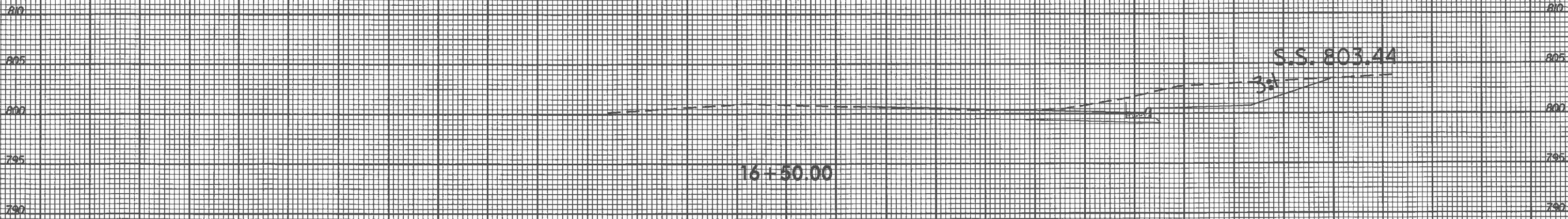
PROJ. REFERENCE NO.
44056.3.1

SHEET NO.
X-1



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