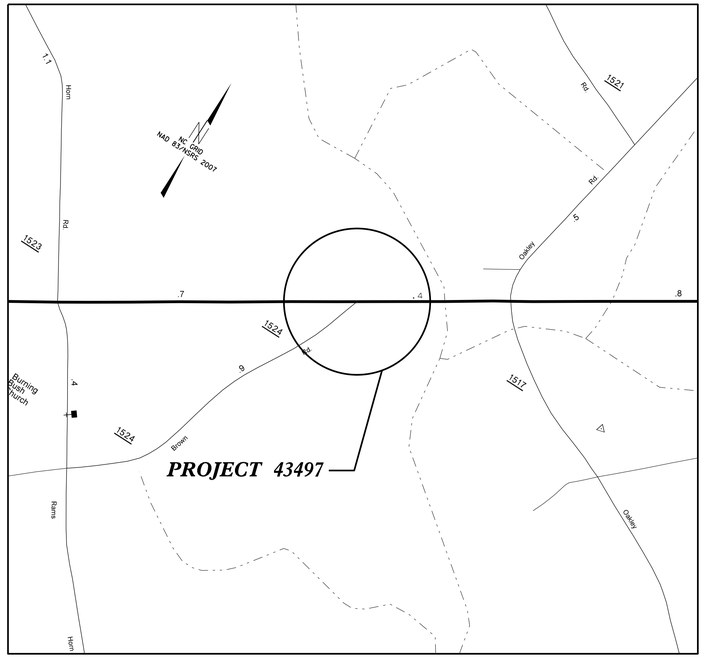
09/08/99

PROJECT: 43497.3.1

CONTRACT:



See Sheet 1-A For Index of Sheets

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

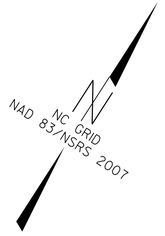
PITT COUNTY

LOCATION: NC 903 AT SR 1524 (BROWN RD)

TYPE OF WORK: GRADING AND PAVING

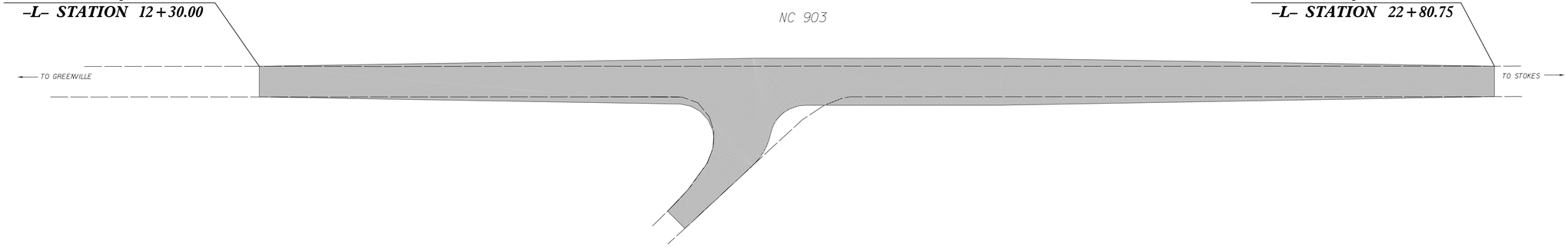
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	43497.3.1	1	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
43497.1.1		P.E.
43497.2.1		RW
43497.3.1		CONST

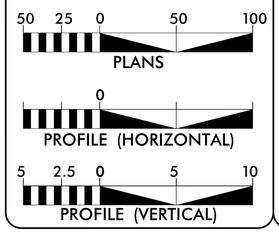


BEGIN PROJECT 43497
-L- STATION 12+30.00

END PROJECT 43497
-L- STATION 22+80.75



GRAPHIC SCALES



DESIGN DATA

ADT =
ADT =
DHV = %
D = %
T = % *
V = MPH
* TTST = DUAL
FUNC CLASS =

TIER

PROJECT LENGTH

LENGTH ROADWAY PROJECT 43497 = 0.199 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
1704 N. GREENE ST. GREENVILLE, NC 27834

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
N/A

LETTING DATE:
JANUARY 2013

DWAYNE ALLIGOOD
PROJECT ENGINEER

LANG JONES
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 16710 ENGINEER DWAYNE H. ALLIGOOD

Dwayne H. Alligood P.E.
SIGNATURE: 12/14/2012

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 16710 ENGINEER DWAYNE H. ALLIGOOD

Dwayne H. Alligood P.E.
SIGNATURE: 12/14/2012

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION •

6/2/99

PROJECT REFERENCE NO.	SHEET NO.
43497.3.1	1A

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 16710 ENGINEER DWAYNE H. ALLIGOOD

12/14/2012

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 16710 ENGINEER DWAYNE H. ALLIGOOD

12/14/2012

INDEX OF SHEETS

GENERAL NOTES

GENERAL NOTES:
2012 SPECIFICATIONS

EFFECTIVE: 01-17-12

REVISED: 11/01/11

GRADE LINE:
GRADING AND SURFACING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

GRADING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED OR FUTURE SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

CLEARING:

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

SIDE ROADS:

THE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THIS PROJECT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS INVOLVED.

SUBSURFACE PLANS:

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

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE STOKES WATER CORP., GUC ELECTRIC AND CENTURYLINK TELEPHONE.

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS.

RIGHT-OF-WAY MARKERS:

ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY OTHERS.

LIST OF STANDARDS

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
225.02	Guide for Grading Subgrade - Secondary and Local
DIVISION 8 - INCIDENTALS	
852.01	Concrete Islands

12/05/11

PROJECT REFERENCE NO.	SHEET NO.
43497.3.1	1B

Note: Not to Scale

S.U.E. = Subsurface Utility Engineering

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

- State Line
- County Line
- Township Line
- City Line
- Reservation Line
- Property Line
- Existing Iron Pin — EIP
- Property Corner
- Property Monument — ECM
- Parcel/Sequence Number — 123
- Existing Fence Line
- Proposed Woven Wire Fence
- Proposed Chain Link Fence
- Proposed Barbed Wire Fence
- Existing Wetland Boundary — WLB
- Proposed Wetland Boundary — WLB
- Existing Endangered Animal Boundary — EAB
- Existing Endangered Plant Boundary — EPB
- Known Soil Contamination: Area or Site
- Potential Soil Contamination: Area or Site

BUILDINGS AND OTHER CULTURE:

- Gas Pump Vent or U/G Tank Cap
- Sign — S
- Well — W
- Small Mine
- Foundation
- Area Outline
- Cemetery
- Building
- School
- Church
- Dam

HYDROLOGY:

- Stream or Body of Water
- Hydro, Pool or Reservoir
- Jurisdictional Stream — JS
- Buffer Zone 1 — BZ 1
- Buffer Zone 2 — BZ 2
- Flow Arrow
- Disappearing Stream
- Spring
- Wetland
- Proposed Lateral, Tail, Head Ditch — FLOW
- False Sump

RAILROADS:

- Standard Gauge — CSX TRANSPORTATION
- RR Signal Milepost — MILEPOST 35
- Switch — SWITCH
- RR Abandoned
- RR Dismantled

RIGHT OF WAY:

- Baseline Control Point
- Existing Right of Way Marker
- Existing Right of Way Line
- Proposed Right of Way Line — RW
- Proposed Right of Way Line with Iron Pin and Cap Marker — RW
- Proposed Right of Way Line with Concrete or Granite R/W Marker — RW
- Proposed Control of Access Line with Concrete C/A Marker — CA
- Existing Control of Access — CA
- Proposed Control of Access — CA
- Existing Easement Line — E
- Proposed Temporary Construction Easement — E
- Proposed Temporary Drainage Easement — TDE
- Proposed Permanent Drainage Easement — PDE
- Proposed Permanent Drainage / Utility Easement — DUE
- Proposed Permanent Utility Easement — PUE
- Proposed Temporary Utility Easement — TUE
- Proposed Aerial Utility Easement — AUE
- Proposed Permanent Easement with Iron Pin and Cap Marker

ROADS AND RELATED FEATURES:

- Existing Edge of Pavement
- Existing Curb
- Proposed Slope Stakes Cut — C
- Proposed Slope Stakes Fill — F
- Proposed Curb Ramp — CR
- Existing Metal Guardrail
- Proposed Guardrail
- Existing Cable Guiderail
- Proposed Cable Guiderail
- Equality Symbol
- Pavement Removal

VEGETATION:

- Single Tree
- Single Shrub
- Hedge
- Woods Line
- Orchard
- Vineyard — Vineyard

EXISTING STRUCTURES:

MAJOR:

- Bridge, Tunnel or Box Culvert — CONC
- Bridge Wing Wall, Head Wall and End Wall — CONC WW

MINOR:

- Head and End Wall — CONC HW
- Pipe Culvert
- Footbridge
- Drainage Box: Catch Basin, DI or JB — CB
- Paved Ditch Gutter
- Storm Sewer Manhole — S
- Storm Sewer — S

UTILITIES:

POWER:

- Existing Power Pole
- Proposed Power Pole
- Existing Joint Use Pole
- Proposed Joint Use Pole
- Power Manhole — P
- Power Line Tower
- Power Transformer
- U/G Power Cable Hand Hole
- H–Frame Pole
- Recorded U/G Power Line — P
- Designated U/G Power Line (S.U.E.*) — P

TELEPHONE:

- Existing Telephone Pole
- Proposed Telephone Pole
- Telephone Manhole — T
- Telephone Booth
- Telephone Pedestal — T
- Telephone Cell Tower
- U/G Telephone Cable Hand Hole — HH
- Recorded U/G Telephone Cable — T
- Designated U/G Telephone Cable (S.U.E.*) — T
- Recorded U/G Telephone Conduit — TC
- Designated U/G Telephone Conduit (S.U.E.*) — TC
- Recorded U/G Fiber Optics Cable — T FO
- Designated U/G Fiber Optics Cable (S.U.E.*) — T FO

WATER:

- Water Manhole — W
- Water Meter
- Water Valve
- Water Hydrant
- Recorded U/G Water Line — W
- Designated U/G Water Line (S.U.E.*) — W
- Above Ground Water Line — A/G Water

TV:

- TV Satellite Dish
- TV Pedestal — C
- TV Tower
- U/G TV Cable Hand Hole — HH
- Recorded U/G TV Cable — TV
- Designated U/G TV Cable (S.U.E.*) — TV
- Recorded U/G Fiber Optic Cable — TV FO
- Designated U/G Fiber Optic Cable (S.U.E.*) — TV FO

GAS:

- Gas Valve
- Gas Meter
- Recorded U/G Gas Line — G
- Designated U/G Gas Line (S.U.E.*) — G
- Above Ground Gas Line — A/G Gas

SANITARY SEWER:

- Sanitary Sewer Manhole
- Sanitary Sewer Cleanout
- U/G Sanitary Sewer Line — SS
- Above Ground Sanitary Sewer — A/G Sanitary Sewer
- Recorded SS Forced Main Line — FSS
- Designated SS Forced Main Line (S.U.E.*) — FSS

MISCELLANEOUS:

- Utility Pole
- Utility Pole with Base
- Utility Located Object
- Utility Traffic Signal Box — S
- Utility Unknown U/G Line — ?UTL
- U/G Tank; Water, Gas, Oil
- Underground Storage Tank, Approx. Loc. — UST
- A/G Tank; Water, Gas, Oil
- Geoenvironmental Boring
- U/G Test Hole (S.U.E.*)
- Abandoned According to Utility Records — AATUR
- End of Information — E.O.I.

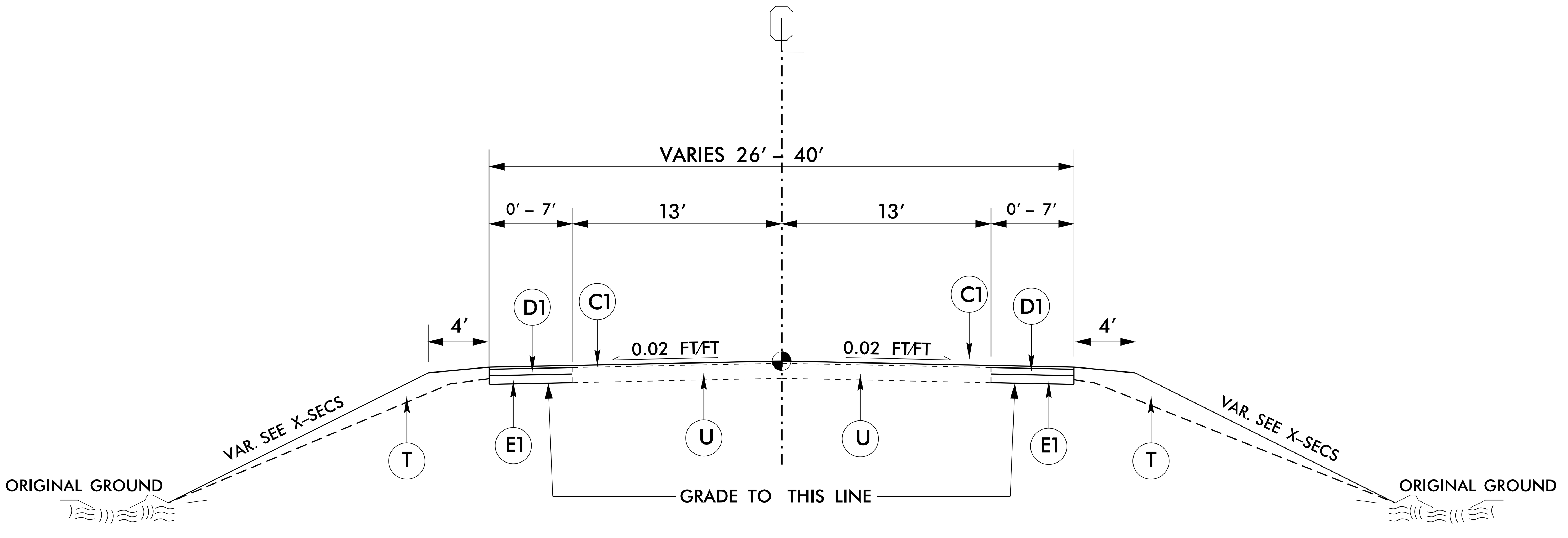
PROJECT REFERENCE NO.	SHEET NO.
43497.3.1	2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 16710 ENGINEER DWAYNE H. ALLIGOOD 1/03/2013

NORTH CAROLINA PROFESSIONAL SEAL 16710 ENGINEER DWAYNE H. ALLIGOOD 1/03/2013

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD. IN EACH OF TWO LAYERS.
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



USE TYPICAL SECTION #1 (NTS)

-L- 12+30.00 - 22+80.75

REVISIONS

Revised D1 Average Rate

8/17/99

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REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
43497.3.1	3

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 16710 ENGINEER DWAYNE H. ALLIGOOD

12/19/2012

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
SUMMARY OF QUANTITIES

SECT	QUANTITY	UNIT	ITEM DESCRIPTION
800	1	LS	MOBILIZATION
801	1	LS	CONSTRUCTION SURVEYING
226	1	LS	GRADING
226	100	CY	UNDERCUT EXCAVATION
610	250	TON	ASPHALT CONCRETE BASE COURSE,TYPE B25.0B
610	190	TON	ASPHALT CONCRETE INTERMEDIATE COURSE,TYPE I19.0B
610	412	TON	ASPHALT CONCRETE SURFACE COURSE,TYPE S9.5B
620	50	TON	ASPHALT BINDER FOR PLANT MIX,GRADE PG64-22
852	41.7	SY	5" MONOLITHIC CONCRETE ISLAND (KEYED IN)
1605	2700	LF	TEMPORARY SILT FENCE
1615	1	ACRE	TEMPORARY MULCHING
1620	20	LB	SEED FOR TEMPORARY SEEDING
1620	0.2	TON	FERTILIZER FOR TEMPORARY SEEDING
SP	100	LF	WATTLE
1660	1	ACRE	SEEDING AND MULCHING
1661	50	LB	SEED FOR REPAIR SEEDING
1661	0.2	TON	FERTILIZER FOR REPAIR SEEDING
SP	3	EA	RESPONSE FOR EROSION CONTROL

4/24/06

COMPUTED BY: LJ DATE: 11-05-12
CHECKED BY: VT DATE: 11-05-12

PROJECT REFERENCE NO.	SHEET NO.
43497.3.1	3A

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK
IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION		UNDERCUT	EMBT + %	BORROW	WASTE
–L– 12 + 50.00 – 22 + 50.00	138		0	383	245	0
UNDERCUT (CONTINGENCY)	0		100	120	120	100
SUB TOTAL	138		100	503	365	100
SAY	140		100	510	370	100

PAVEMENT REMOVAL SUMMARY
IN SQUARE YARDS

LINE	STATION – STATION	LOCATION	REMOVAL (SY)
–L–	17 + 00	RT	50
TOTAL			50
SAY			50

NOTE:

APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, FINE GRADING, CLEARING AND GRUBBING AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING."

03-JAN-2013 10:17
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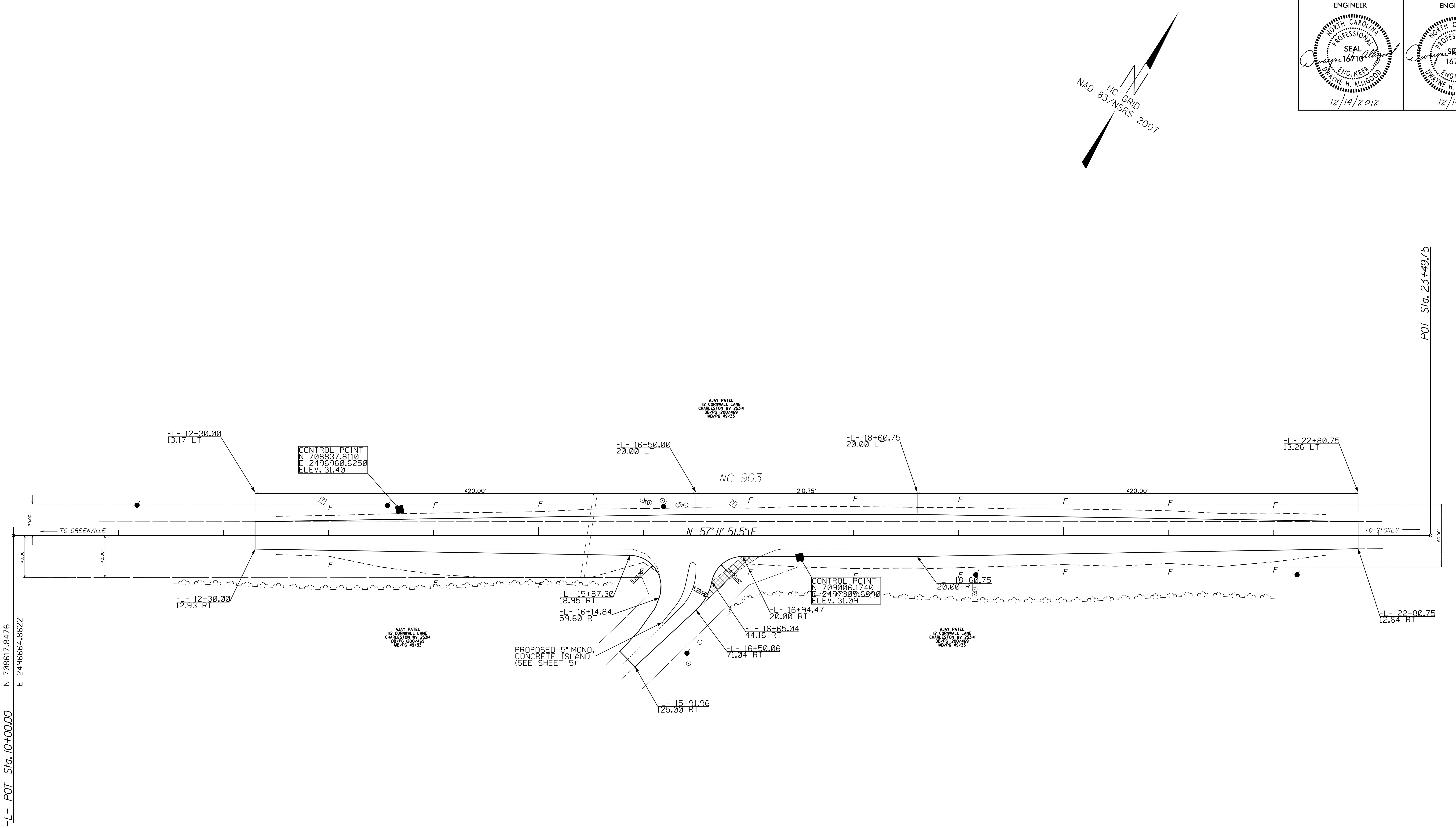
PROJECT REFERENCE NO.	SHEET NO.
43497.3.1	4
RW SHEET NO.	

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 16710 ENGINEER DWAYNE H. ALLIGOOD	NORTH CAROLINA PROFESSIONAL SEAL 16710 ENGINEER DWAYNE H. ALLIGOOD
12/14/2012	12/14/2012



NC GRID
NAD 83/NSRS 2007
-L- POT Sta. 10+00.00
N 708617.8476
E 2496664.8622
POT Sta. 23+49.75
NC 903
N 57° 11' 51.5" E
TO GREENVILLE
TO STOKES
420.00'
210.75'
420.00'
-L- 12+30.00
13.17 LT
-L- 12+30.00
12.93 RT
CONTROL POINT
N 708837.8110
E 2496960.6250
ELEV. 31.40
-L- 16+50.00
20.00 LT
-L- 18+60.75
20.00 LT
-L- 22+80.75
13.26 LT
-L- 22+80.75
12.64 RT
-L- 18+60.75
20.00 RT
CONTROL POINT
N 709006.1740
E 2497305.6890
ELEV. 31.09
-L- 15+87.30
18.95 RT
-L- 16+14.84
59.60 RT
-L- 16+94.47
20.00 RT
-L- 16+65.04
44.16 RT
-L- 16+50.06
71.04 RT
-L- 15+91.96
125.00 RT
PROPOSED 5' MONO.
CONCRETE ISLAND
(SEE SHEET 5)
AJAY PATEL
112 CORNWALL LANE
CHARLESTON WV 25314
DB/PG 1200/469
MB/PG 49/33

REVISIONS

8/17/99

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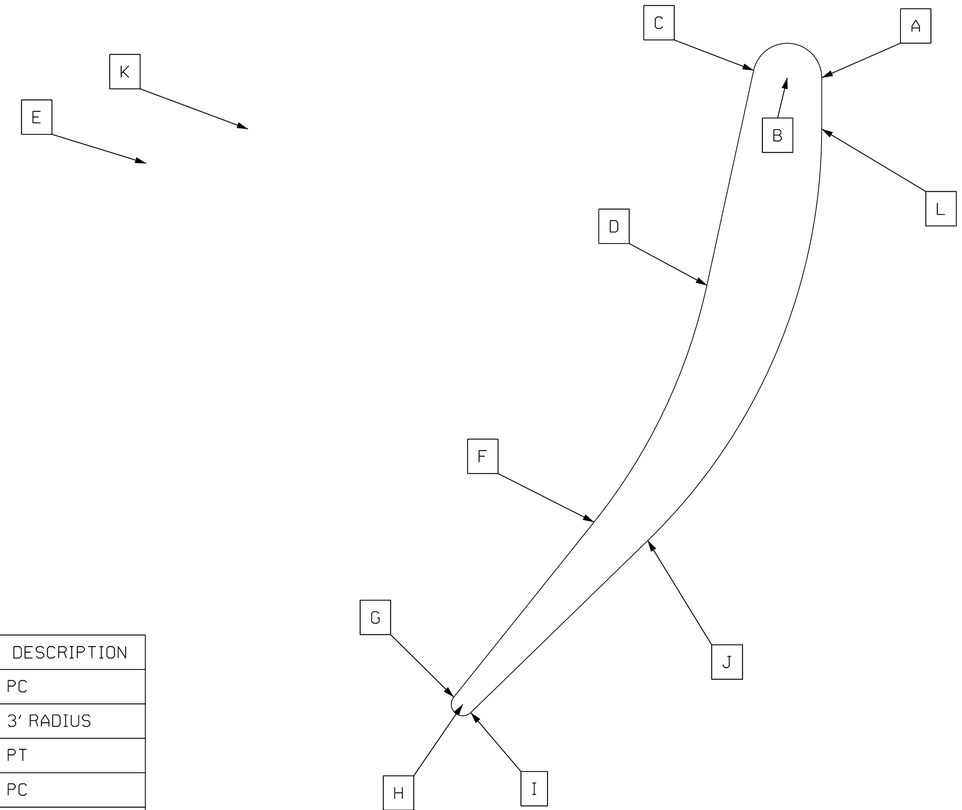
PROJECT REFERENCE NO.	SHEET NO.
43497.3.1	5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
12/14/2012	12/14/2012

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

ISLAND LAYOUT
(NOT TO SCALE)



	NORTHING	EASTING	DESCRIPTION
A	708945.7233	2497226.8501	PC
B	708944.0981	2497224.3284	3' RADIUS
C	708943.0459	2497221.5190	PT
D	708925.0973	2497228.2411	PC
E	708907.5609	2497181.4172	50' RADIUS
F	708902.4228	2497231.1525	PT
G	708882.9854	2497229.1444	PC
H	708882.8826	2497230.1391	1' RADIUS
I	708882.6573	2497231.1134	PT
J	708903.6116	2497235.9595	PC
K	708914.8776	2497187.2453	50' RADIUS
L	708941.9648	2497229.2725	PT

REVISIONS 8/17/99

PROJECT REFERENCE NO.	SHEET NO.
43497.3.1	PM1
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 16710 ENGINEER DWAYNE H. ALLIGOOD

12/14/2012

PAVEMENT MARKING SCHEDULE

PAVEMENT MARKING LINES

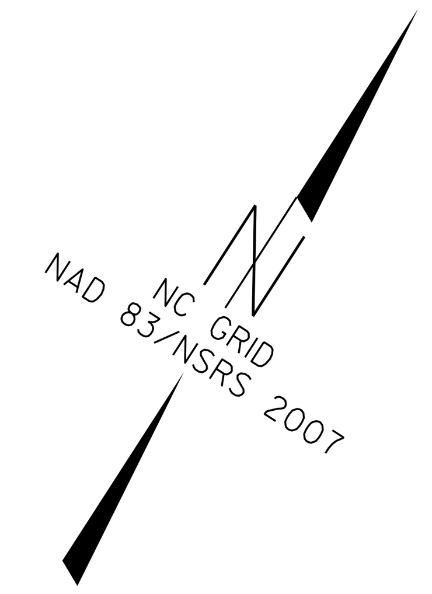
AA - THERMOPLASTIC (4" WHITE, 120 MILS) 4" X 3' MINI SKIP
AB - THERMOPLASTIC (12" YELLOW, 90 MILS) DIAGONAL LINE
AC - THERMOPLASTIC (4" WHITE, 90 MILS) EDGE LINE
AD - THERMOPLASTIC (4" YELLOW, 120 MILS) SOLID DOUBLE YELLOW
AE - THERMOPLASTIC (4" WHITE, 120 MILS) SOLID LANE LINE
AF - THERMOPLASTIC (24" WHITE, 120 MILS) STOP BAR

PAVEMENT MARKING LINES

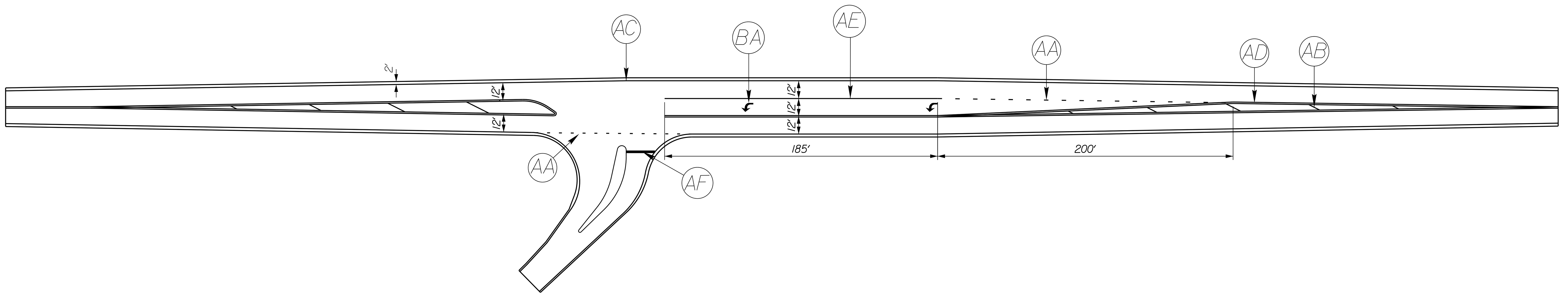
BA - THERMOPLASTIC (LEFT ARROW, 90 MILS)

NOTE

PAINT MARKINGS AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, NCDOT ROADWAY STANDARD DRAWINGS, AND THE CURRENT EDITON OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
ALL EDGE LINES SHALL BE 2' OFF EOP.



NOTE: STATE FORCES WILL INSTALL PAINT AND MARKERS ON THE FINISHED PROJECT.
CALL JIM EVANS AT 252-830-3493 FOR COORDINATION.



REVISIONS

8/17/99

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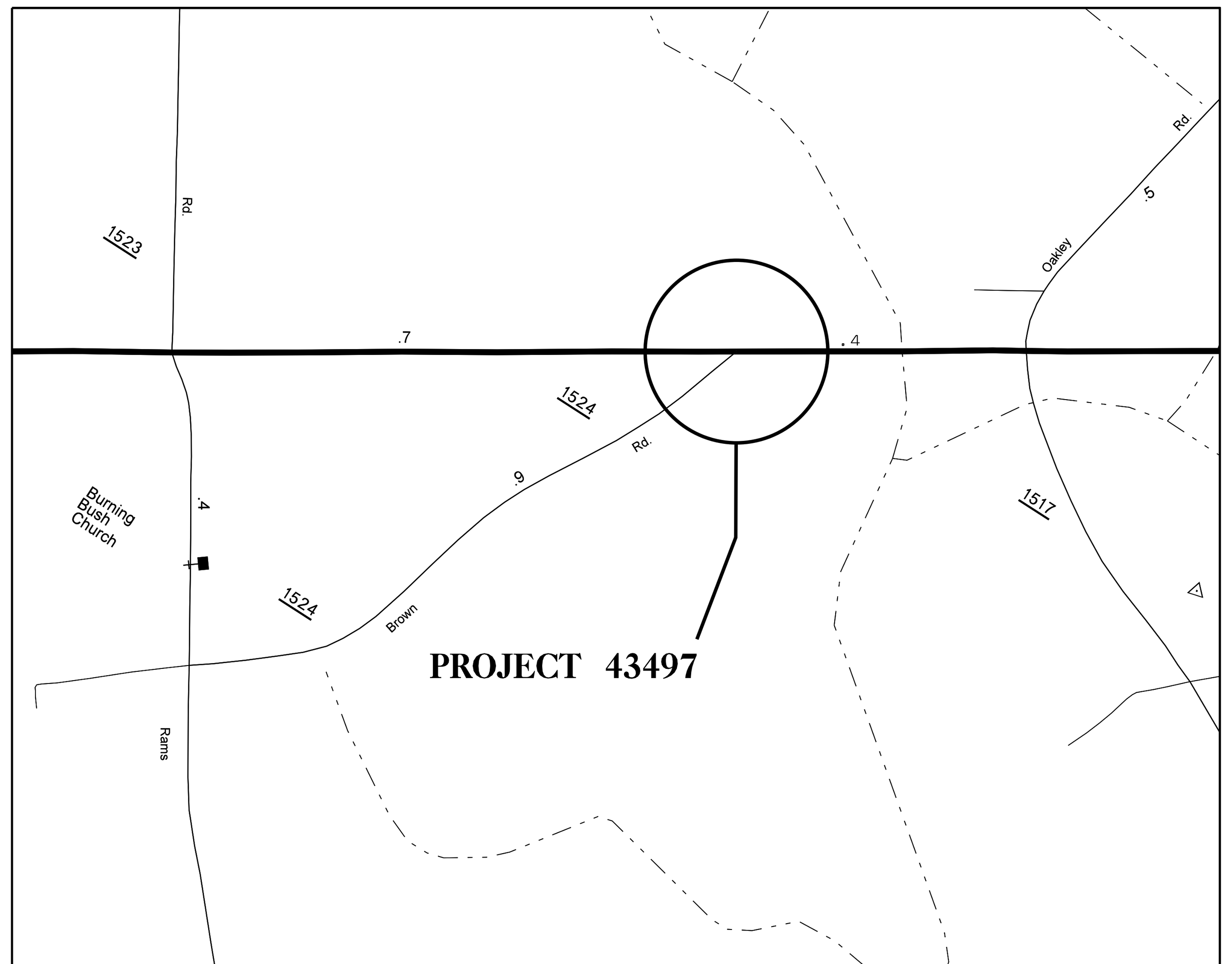
PROJECT: 43497.3.1

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	43497.3.1	EC-1	

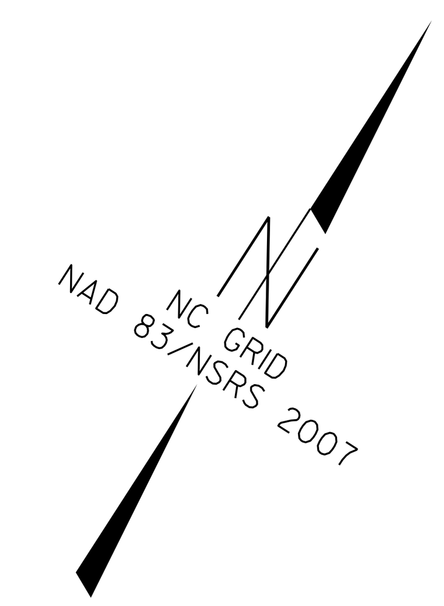
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
43497.1.1		P.E.
43497.2.1		RW
43497.3.1		CONST

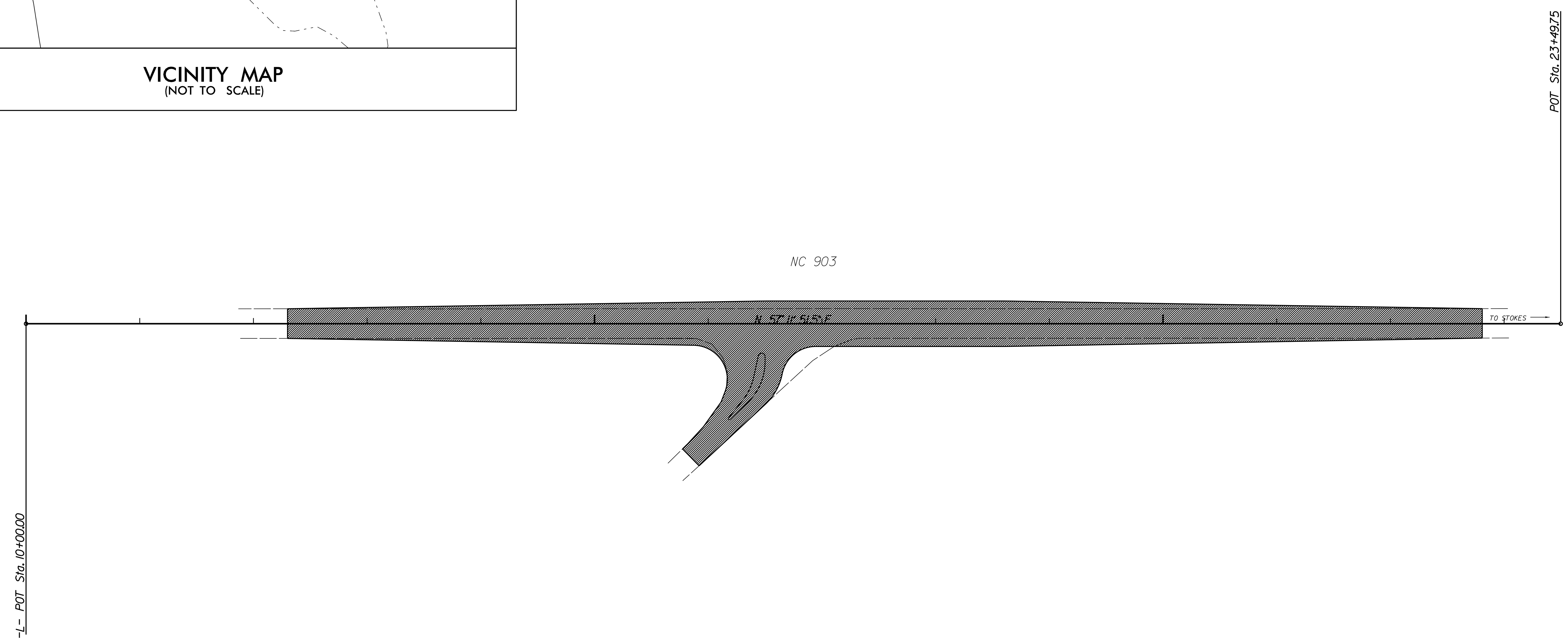


VICINITY MAP
(NOT TO SCALE)

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL





EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TSD
1630.05	Temporary Diversion	TD
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	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	
	Tiered Skimmer Basin	
	Infiltration Basin	

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

LANG JONES
LEVEL IIIA NAME

276
LEVEL IIIA CERTIFICATION NO.

GRAPHIC SCALE

25 0 50
PLANS

0
PROFILE (HORIZONTAL)

0
PROFILE (VERTICAL)

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:

DIVISION OF HIGHWAYS
1704 N. GREENE ST.
GREENVILLE NC 27834

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 revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01	Railroad Erosion Control Detail
1605.01	Temporary Silt Fence
1606.01	Special Sediment Control Fence
1607.01	Gravel Construction Entrance
1622.01	Temporary Berms and Slope Drains
1630.01	Riser Basin
1630.02	Silt Basin Type B
1630.03	Temporary Silt Ditch
1630.04	Stilling Basin
1630.05	Temporary Diversion
1630.06	Special Stilling Basin
1631.01	Matting Installation
1632.01	Rock Inlet Sediment Trap Type A
1632.02	Rock Inlet Sediment Trap Type B
1632.03	Rock Inlet Sediment Trap Type C
1633.01	Temporary Rock Silt Check Type A
1633.02	Temporary Rock Silt Check Type B
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
1640.01	Coir Fiber Baffle
1645.01	Temporary Stream Crossing

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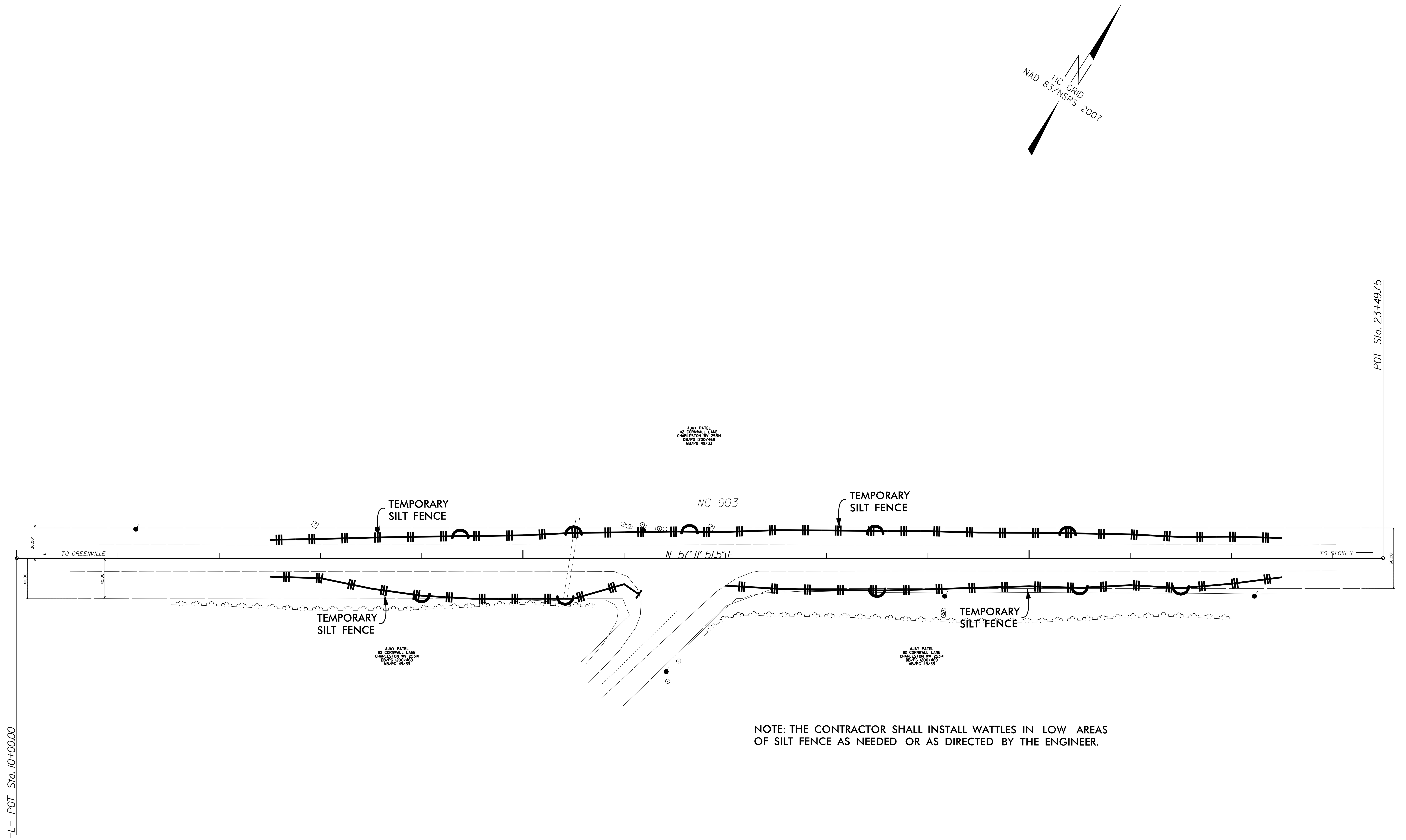
PROJECT REFERENCE NO.	SHEET NO.
43497.3.1	EC2

REVISIONS



NC GRID
NAD 83/NSRS 2007
AJAY PATEL
112 CORNWALL LANE
CHARLESTON WV 25314
DB/PG 1200/469
MB/PG 49/33
NC 903
TEMPORARY SILT FENCE
TEMPORARY SILT FENCE
TO GREENVILLE
N 57° 11' 51.5" E
TO STOKES
TEMPORARY SILT FENCE
TEMPORARY SILT FENCE
AJAY PATEL
112 CORNWALL LANE
CHARLESTON WV 25314
DB/PG 1200/469
MB/PG 49/33
AJAY PATEL
112 CORNWALL LANE
CHARLESTON WV 25314
DB/PG 1200/469
MB/PG 49/33
-L- POT Sta. 10+00.00
POT Sta. 23+49.75

NOTE: THE CONTRACTOR SHALL INSTALL WATTLES IN LOW AREAS OF SILT FENCE AS NEEDED OR AS DIRECTED BY THE ENGINEER.

8/17/99

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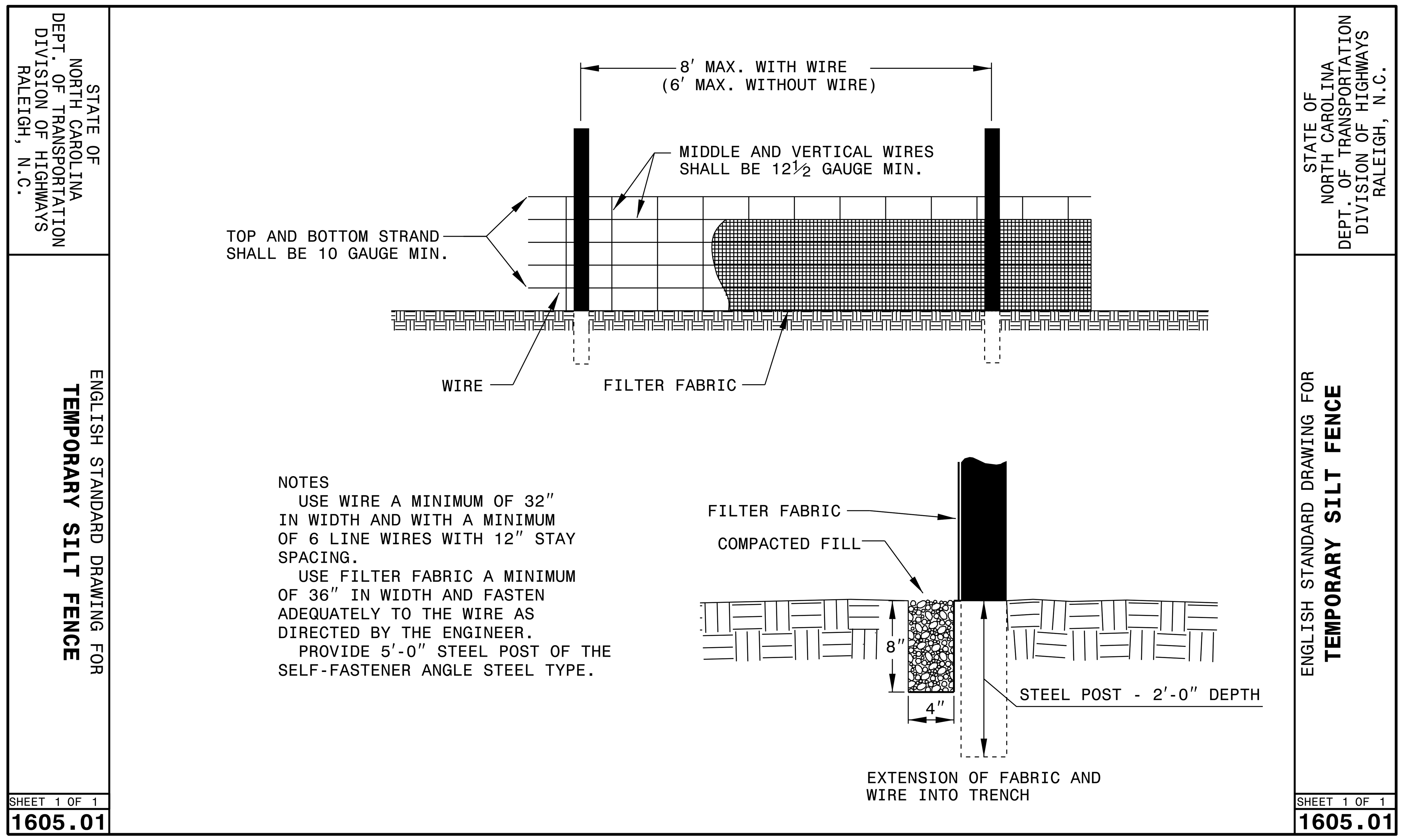
PROJECT REFERENCE NO.	SHEET NO.
43497.3J	EC3

REVISIONS

8/17/99



SILT FENCE WATTLE BREAK DETAIL

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE AND LENGTH OF 10 FT.

EXCAVATE A 1 TO 2 INCH TRENCH FOR WATTLE TO BE PLACED.

DO NOT PLACE WATTLE ON TOE OF SLOPE.

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

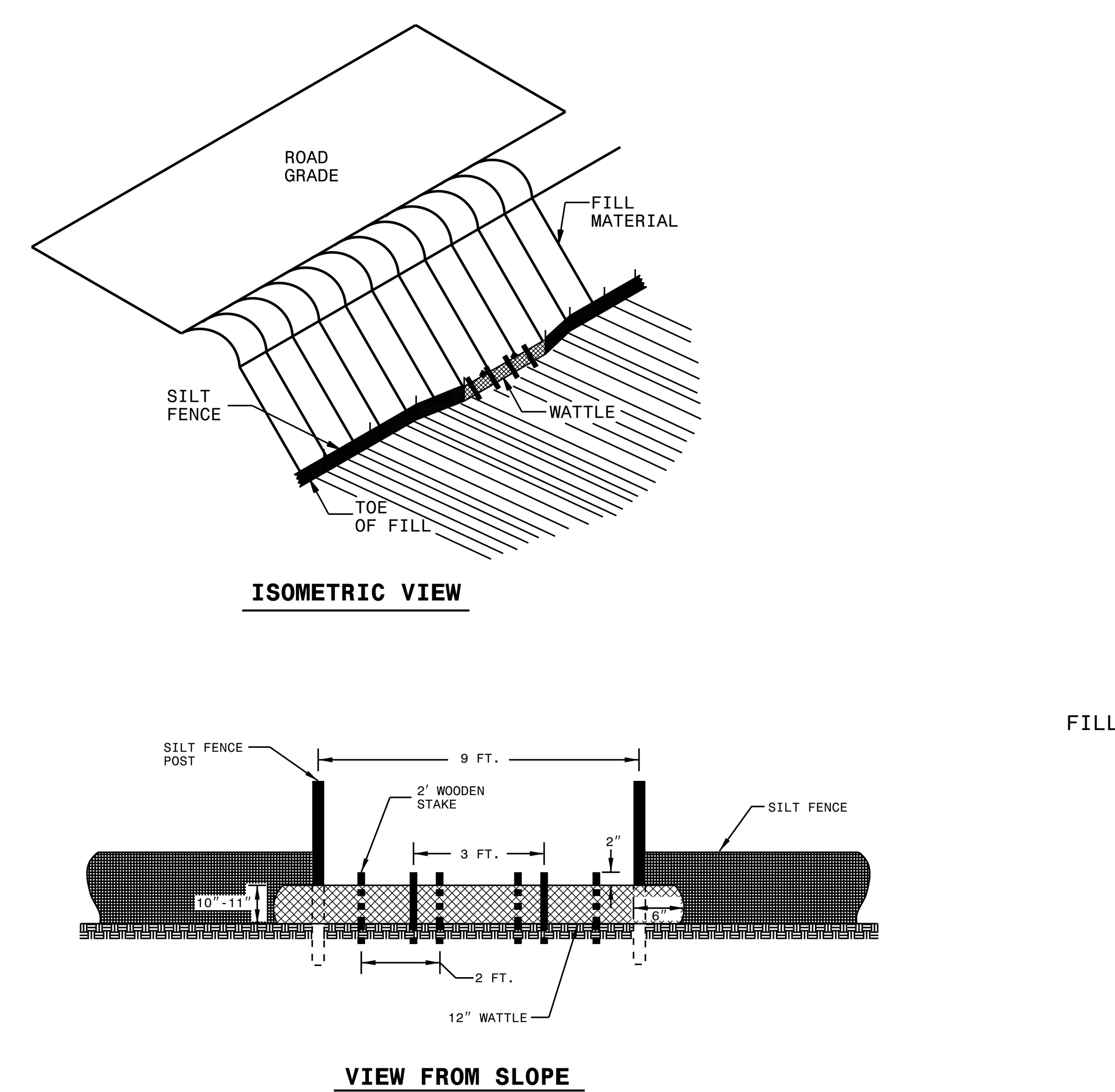
INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO GROUND.

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.

WATTLE INSTALLATION CAN BE ON OUTSIDE OF THE SILT FENCE AS DIRECTED.

INSTALL TEMPORARY SILT FENCE IN ACCORDANCE WITH SECTION 1605 OF THE STANDARD SPECIFICATIONS.



NOT TO SCALE

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PROJ. REFERENCE NO.	SHEET NO.
43497.3.1	X-1A

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

CROSS–SECTION SUMMARY

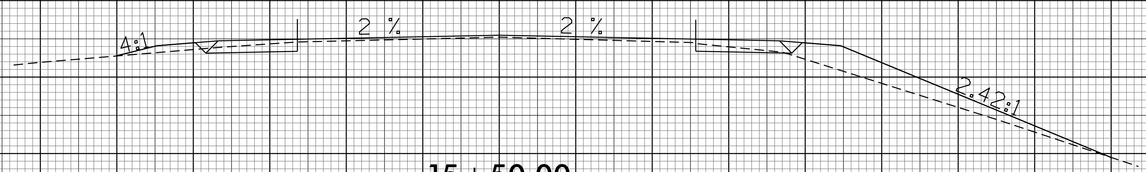
IN CUBIC YARDS

LOCATION (–L–)	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT
12 + 50.00	*0*	*0*	*0*
13 + 00.00	*3*	*0*	*3*
13 + 50.00	*5*	*0*	*7*
14 + 00.00	*6*	*0*	*15*
14 + 50.00	*7*	*0*	*22*
15 + 00.00	*7*	*0*	*32*
15 + 50.00	*8*	*0*	*40*
16 + 00.00	*7*	*0*	*27*
16 + 50.00	*6*	*0*	*7*
17 + 00.00	*5*	*0*	*4*
17 + 50.00	*7*	*0*	*14*
18 + 00.00	*10*	*0*	*26*
18 + 50.00	*10*	*0*	*29*
18 + 60.75	*2*	*0*	*7*
19 + 00.00	*8*	*0*	*23*
19 + 50.00	*10*	*0*	*26*
20 + 00.00	*9*	*0*	*23*
20 + 50.00	*7*	*0*	*23*
21 + 00.00	*6*	*0*	*21*
21 + 50.00	*6*	*0*	*16*
22 + 00.00	*5*	*0*	*11*
22 + 50.00	*4*	*0*	*7*

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT.

NOTE:

APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, FINE GRADING, CLEARING AND GRUBBING AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING."



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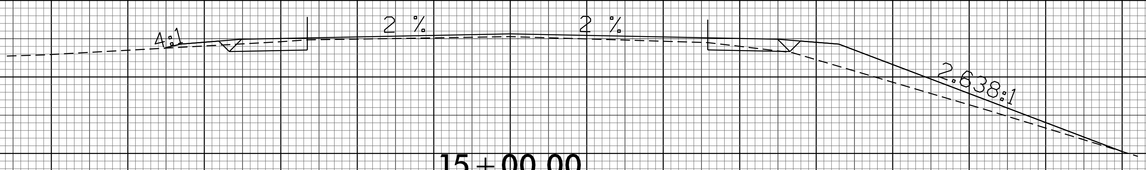

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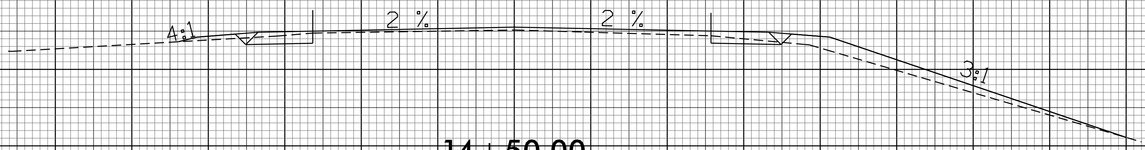

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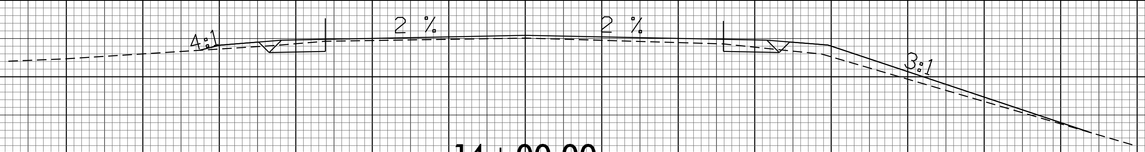

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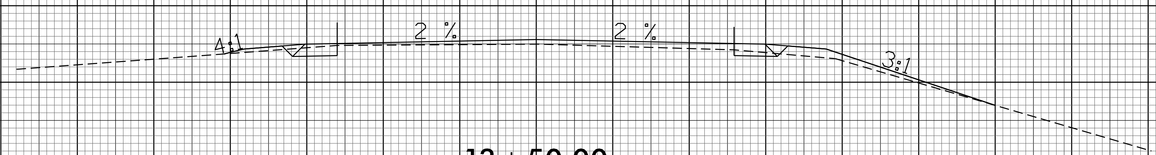

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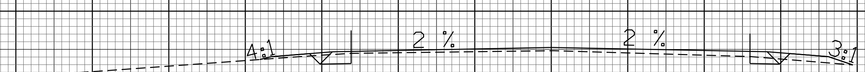

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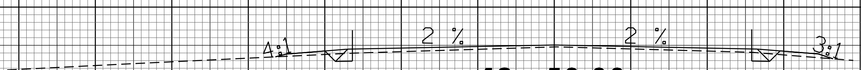

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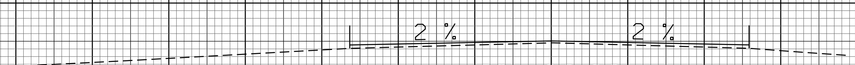


12 + 30.00

12 + 00.00

11 + 50.00

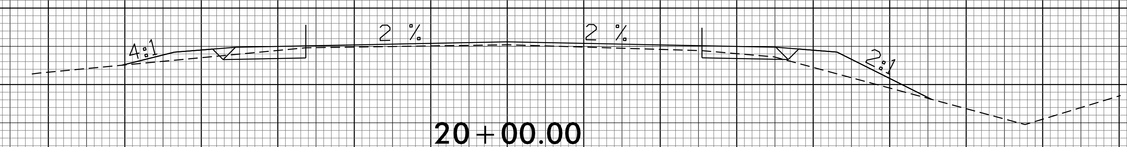
11 + 00.00

10 + 50.00

0 2.5 5

PROJ. REFERENCE NO. 43497.3.1

SHEET NO. X-1



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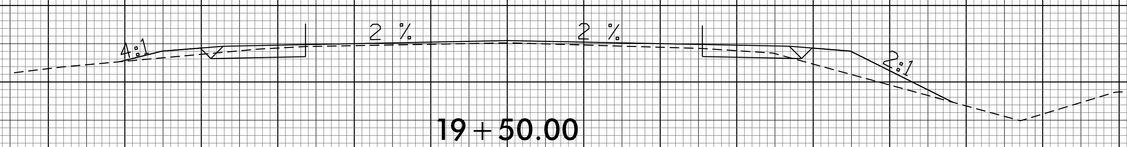

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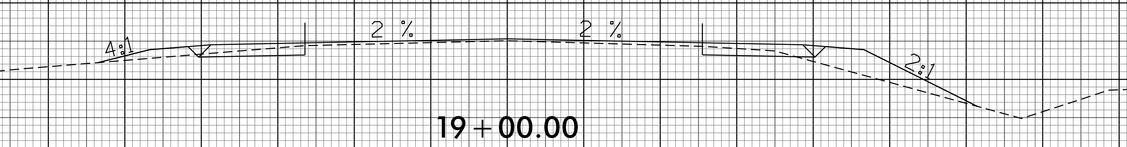

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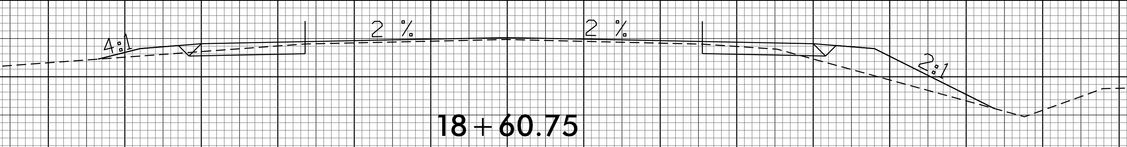

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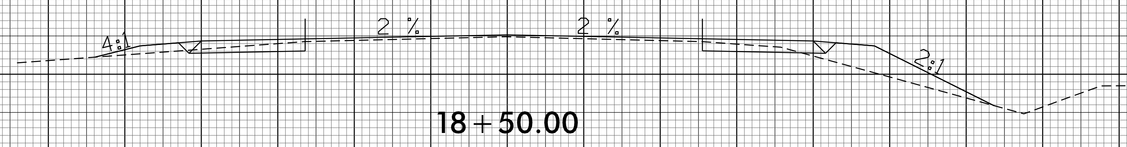

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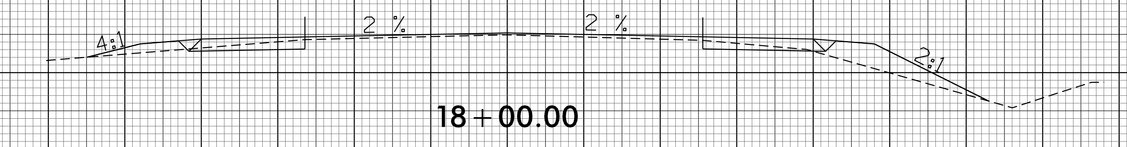

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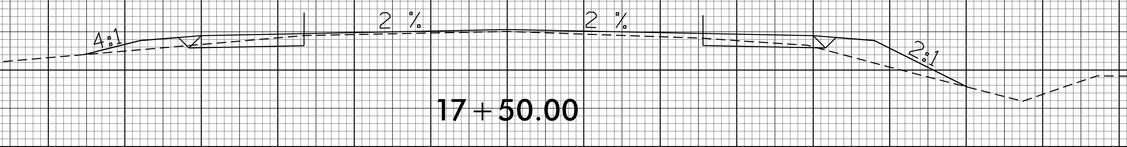

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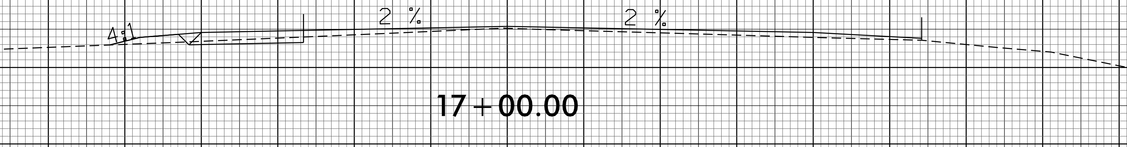

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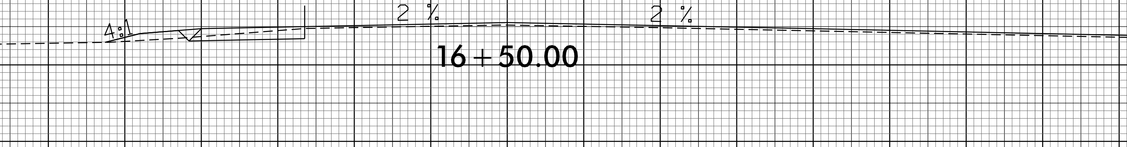

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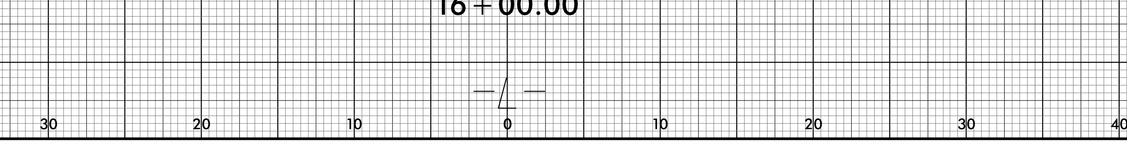

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PROJ. REFERENCE NO. 43497.3.1

SHEET NO. X-2