

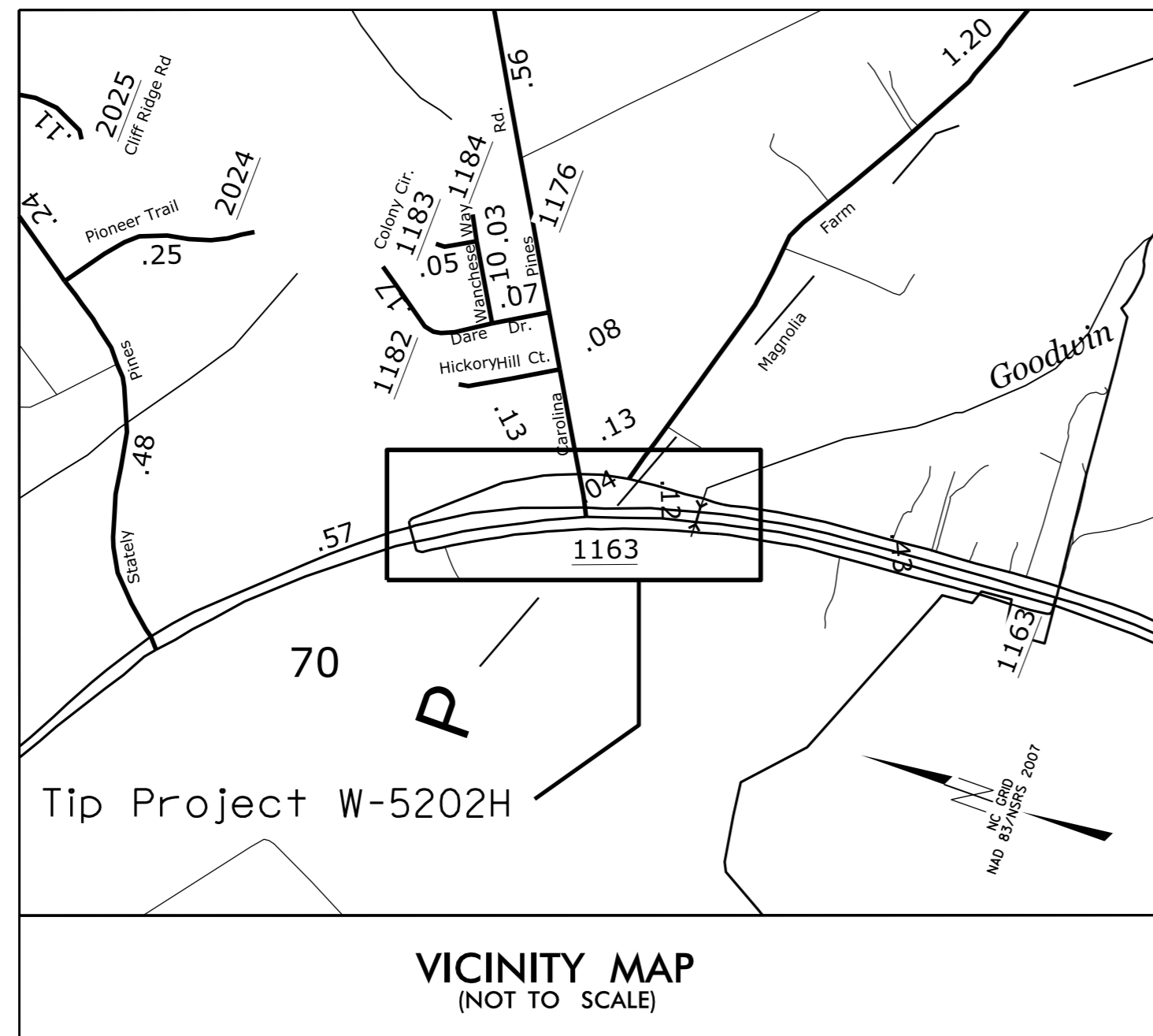
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5202H	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
45332.1.8		PE	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

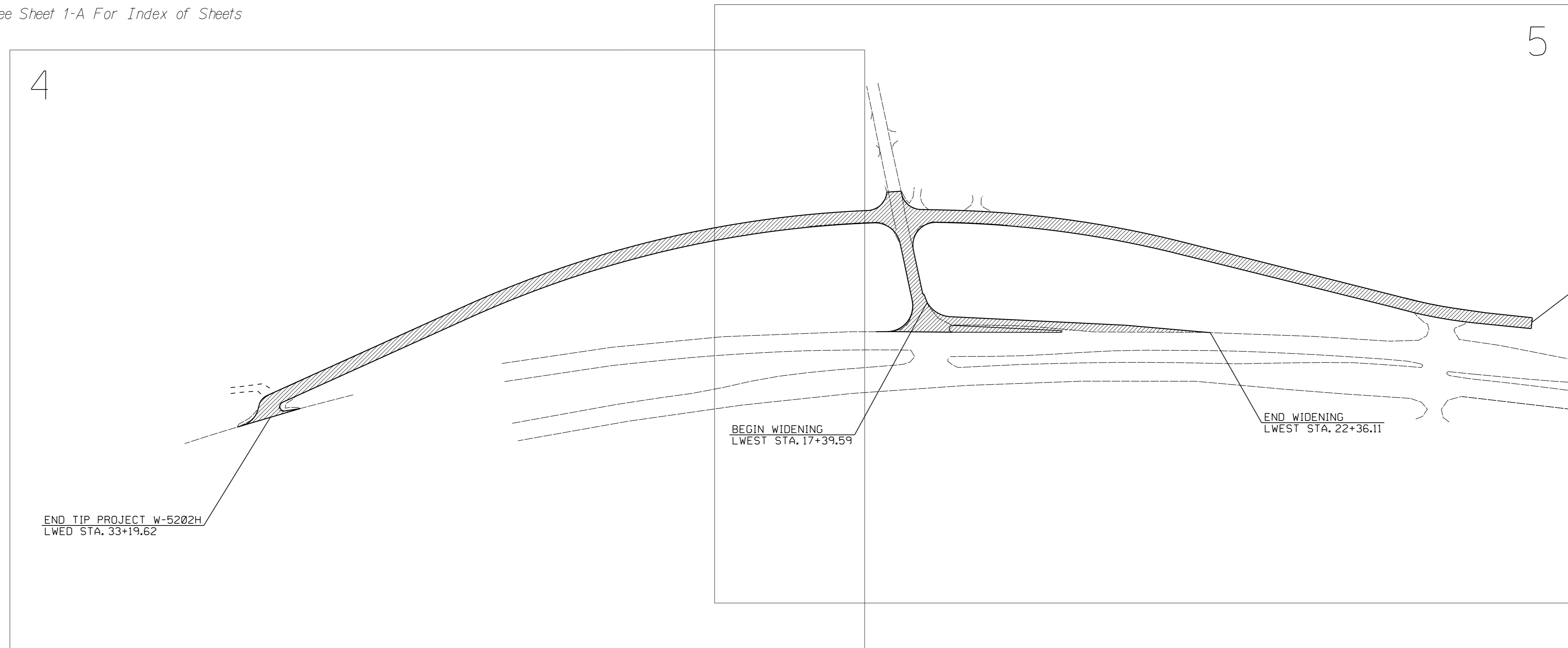
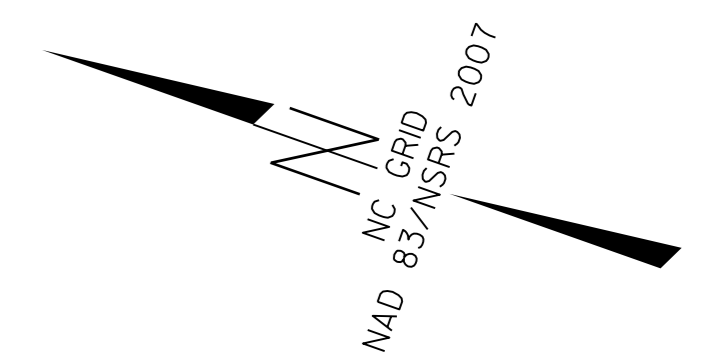
CRAVEN COUNTY

LOCATION: INTERSECTION OF HWY 70 AND CAROLINA PINES BOULEVARD

TYPE OF WORK: WIDENING, RESURFACING, WEDGING, CHANNELIZATION, TURN LANES

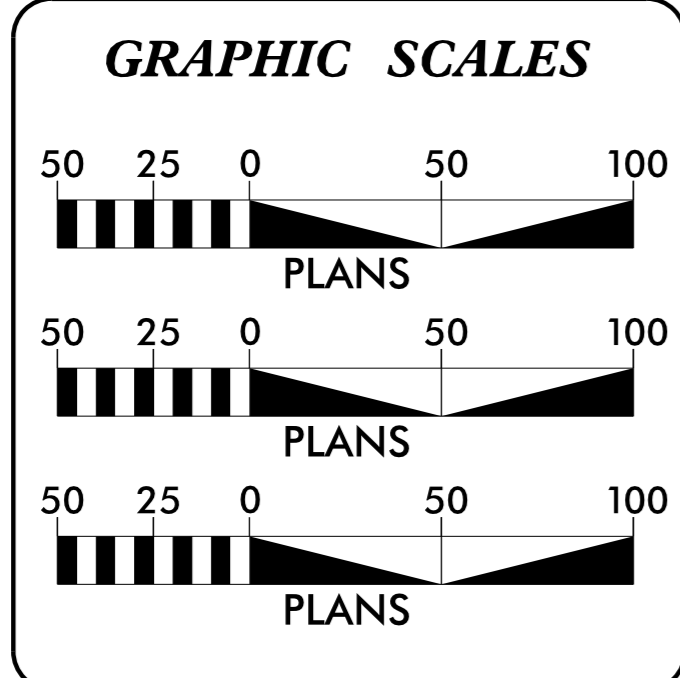


See Sheet 1-A For Index of Sheets



TIP PROJECT: W-5202H

CONTRACT:



DESIGN DATA

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

PROJECT LENGTH

TOTAL LENGTH TIP PROJECT W-5202H = 0.439 MILES

TIER

Prepared in the Office of:
DIVISION OF HIGHWAYS
1704 N. Greene St. Greenville NC, 27835

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
NA

LETTING DATE:
OCTOBER 2013

DWAYNE H. ALLIGOOD
PROJECT ENGINEER

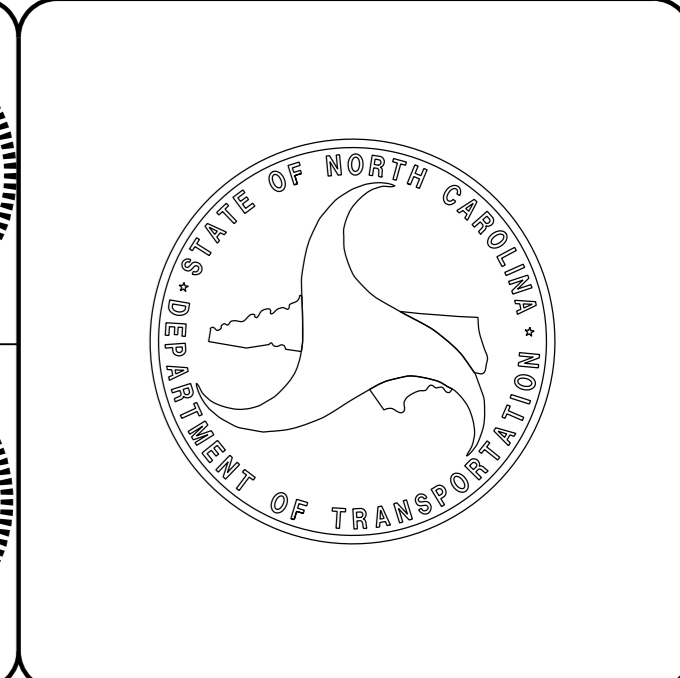
LANG JONES
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

Dwayne H. Alligood
SIGNATURE: 09/26/2013

ROADWAY DESIGN ENGINEER

Dwayne H. Alligood
SIGNATURE: 09/26/2013



09/08/09 26-SEP-2013 18:14 G:\PROJECTS\CRAVEN\US70&carolinapines\US70CAROLINAPINES_DDC2_PSHI.DGN \$\$\$USERNAME\$\$\$

INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
2	TYPICAL SECTIONS
2A	CASING INSTALLATION DETAIL
3	SUMMARY OF QUANTITIES
3A	SUMMARY OF DRAINAGE AND EARTHWORK QUANTITIES
4-5	PLAN SHEETS
EC1- EC3	EROSION CONTROL SHEETS
X1A	CROSS-SECTION SUMMARY
X1-X2	CROSS SECTION

GENERAL NOTES:

2012 SPECIFICATIONS
 EFFECTIVE: 01-17-2012
 REVISED: 07-30-2012

GRADING AND SURFACING OR RESURFACING AND WIDENING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. WHERE NO GRADE LINES ARE SHOWN, THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT ALONG THE CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE PLACED. GRADE LINES MAY BE ADJUSTED 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 11.

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.

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.

2012 ROADWAY ENGLISH STANDARD DRAWINGS

EFF. 01-17-2012
 REV. 10-30-2012

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 11
DIVISION 8 - INCIDENTALS	
852.01	Concrete Islands


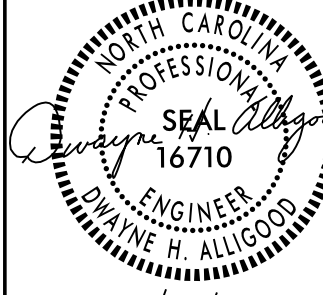
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
SUMMARY OF QUANTITIES

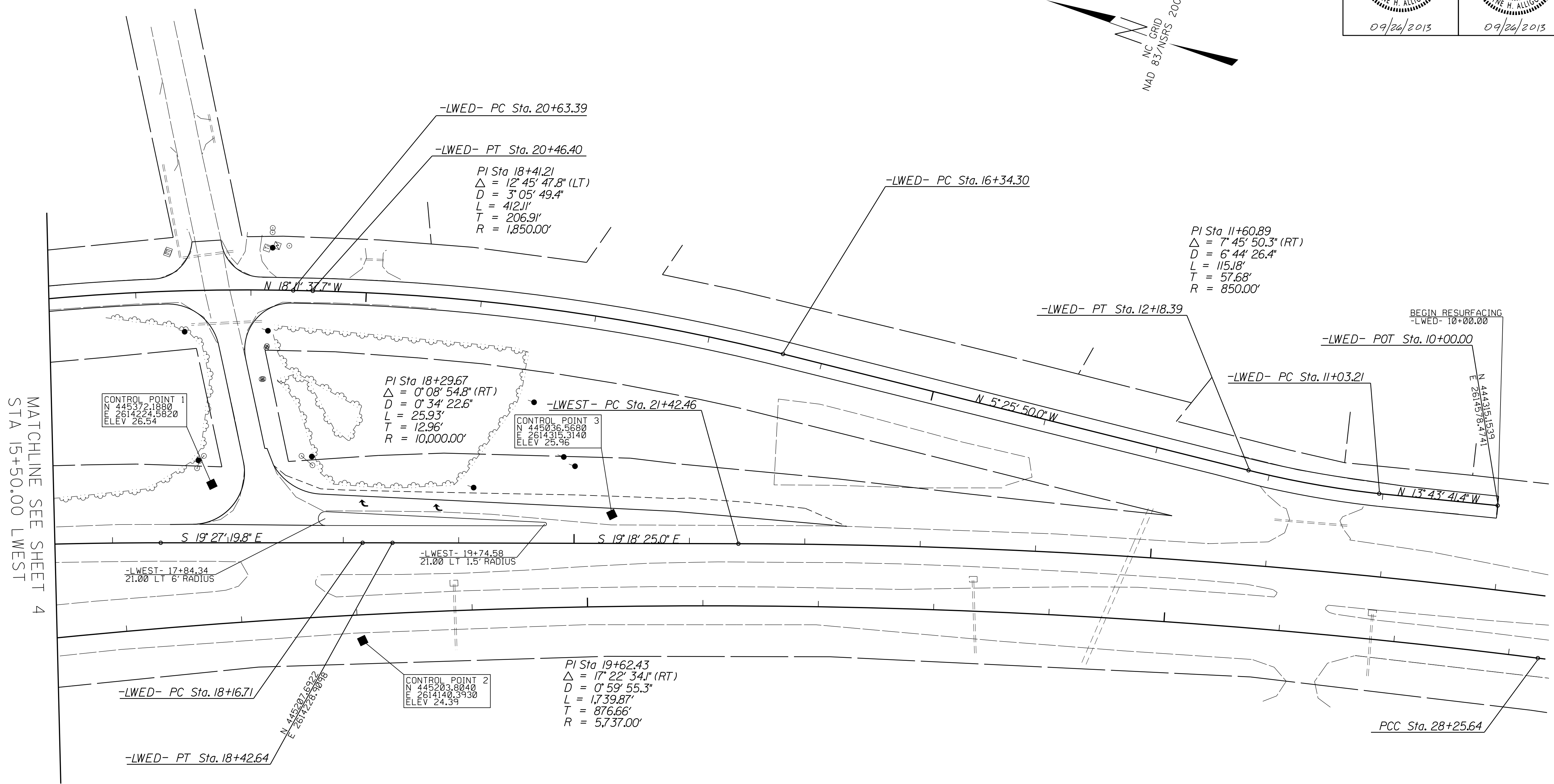
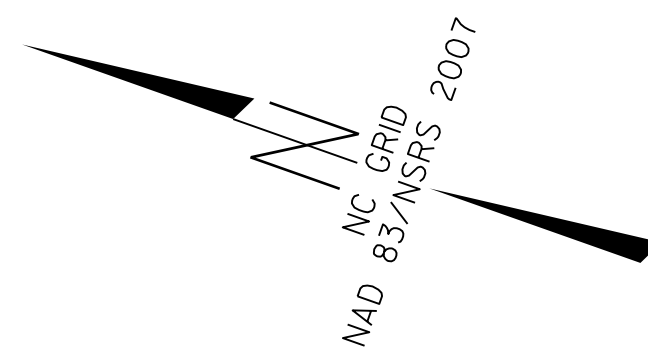
SECT	QUANTITY	UNIT	ITEM DESCRIPTION
800	1	LS	MOBILIZATION
801	1	LS	CONSTRUCTION SURVEYING
226	1	LS	GRADING
545	50	TON	INCIDENTAL STONE BASE
610	250	TON	ASPHALT CONCRETE BASE COURSE,TYPE B25.0B
610	250	TON	ASPHALT CONCRETE INTERMEDIATE COURSE,TYPE I19.0B
610	620	TON	ASPHALT CONCRETE SURFACE COURSE,TYPE S9.5B
620	65	TON	ASPHALT BINDER FOR PLANT MIX,GRADE PG64-22
654	40	TON	ASPHALT PLANT MIX,PAVEMENT REPAIR
852	170	SY	5' MONOLITHIC CONCRETE ISLAND (SURFACE MOUNTED)
1540	40	LF	36" STL.ENCASEMENT PIPE (MIN.0.375" WALL THICKNESS)
1540	40	LF	24" STL.ENCASEMENT PIPE (MIN.0.375" WALL THICKNESS)
1605	1000	LF	TEMPORARY SILT FENCE
1620	50	LB	SEED FOR TEMPORARY SEEDING
1620	0.2	TON	FERTILIZER FOR TEMPORARY SEEDING
SP	28	LF	WATTLE
1660	1	ACRE	SEEDING AND MULCHING
1661	50	LB	SEED FOR REPAIR SEEDING
1661	.2	TON	FERTILIZER FOR REPAIR SEEDING
SP	4	EA	RESPONSE FOR EROSION CONTROL

REVISIONS

8/17/99

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PROJECT REFERENCE NO. W-5202H	SHEET NO. 5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER  09/26/2013	HYDRAULICS ENGINEER  09/26/2013



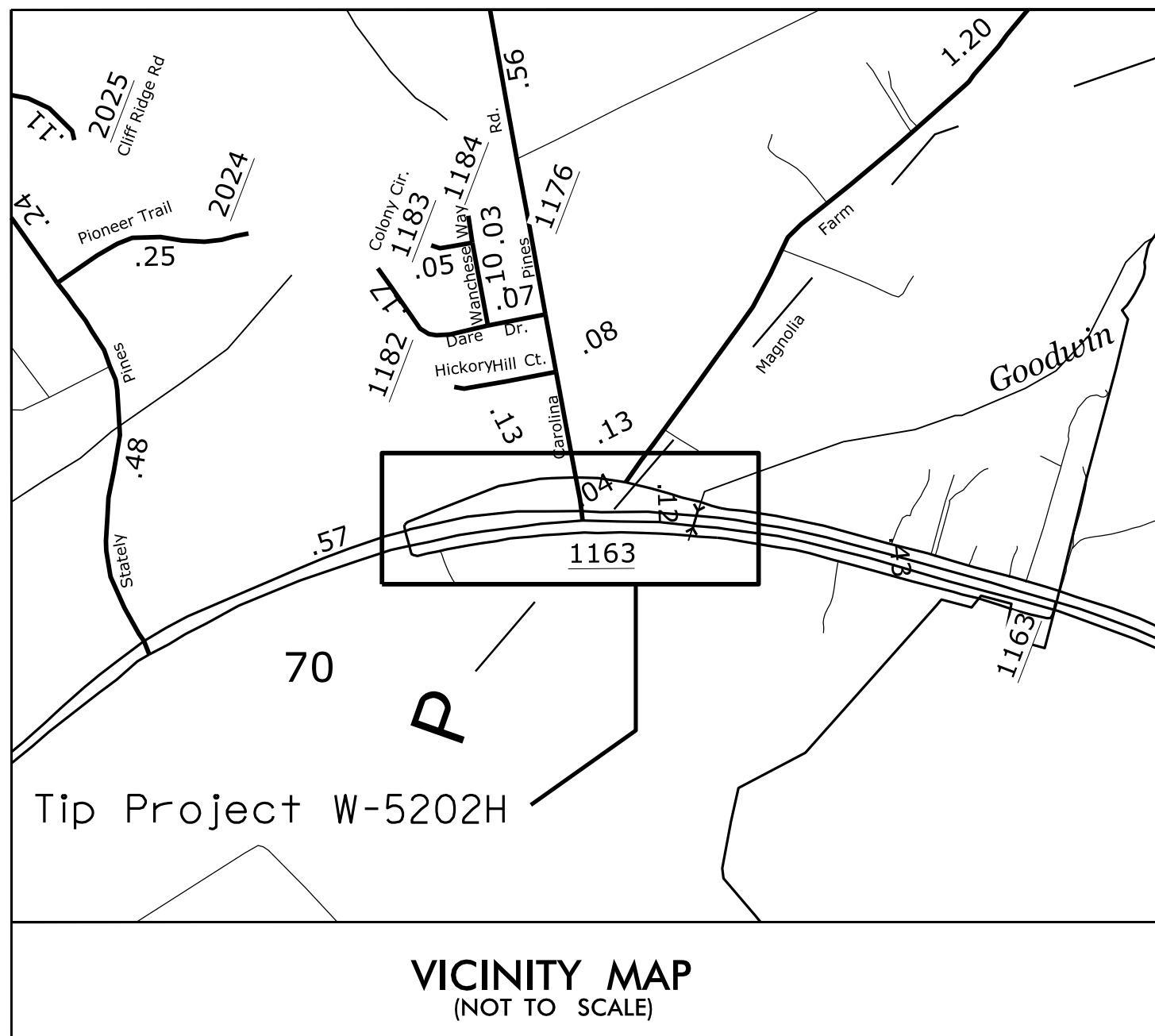
MATCHLINE SEE SHEET 4
STA 15+50.00 LWEST

REVISIONS

8/17/99

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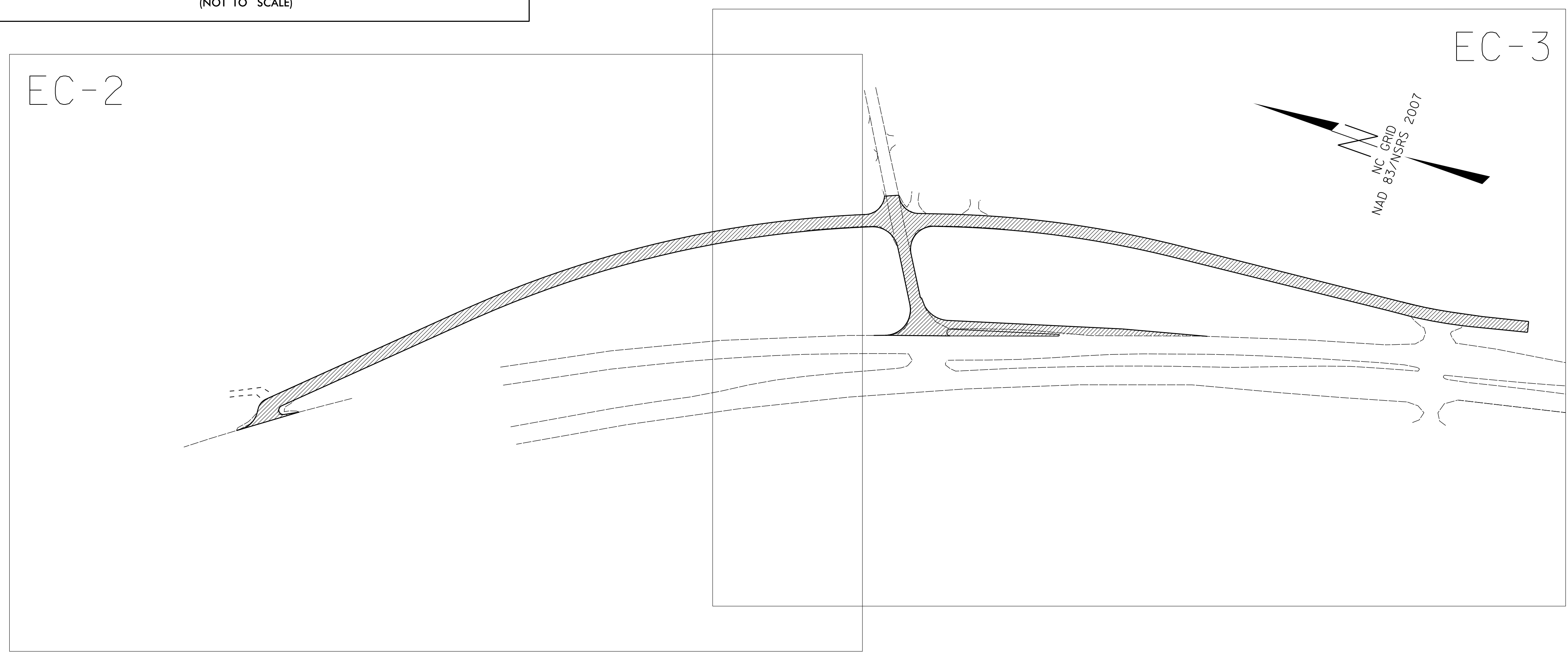
TIP PROJECT: W-5202H



VICINITY MAP
(NOT TO SCALE)

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

**LOCATION: INTERSECTION OF HWY 70 AND
CAROLINA PINES BOULEVARD**



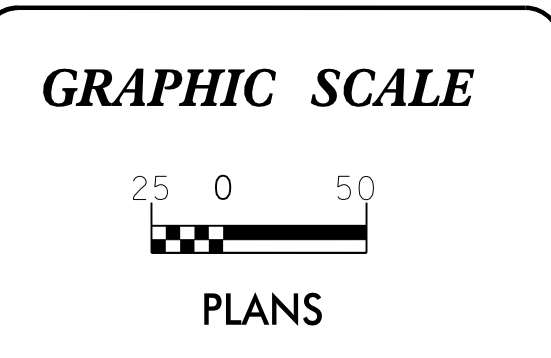
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5202H	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
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)	—
1654.01	Temporary Rock Sediment Dam Type-A	▨
1654.02	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.**

**THIS PROJECT HAS
BEEN DESIGNED TO
SENSITIVE WATERSHED
STANDARDS.**



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.

2012 STANDARD SPECIFICATIONS

Prepared in the Office of:
DIVISION 2 DDC
1704 NORTH GREENE STREET
GREENVILLE, NC 27835

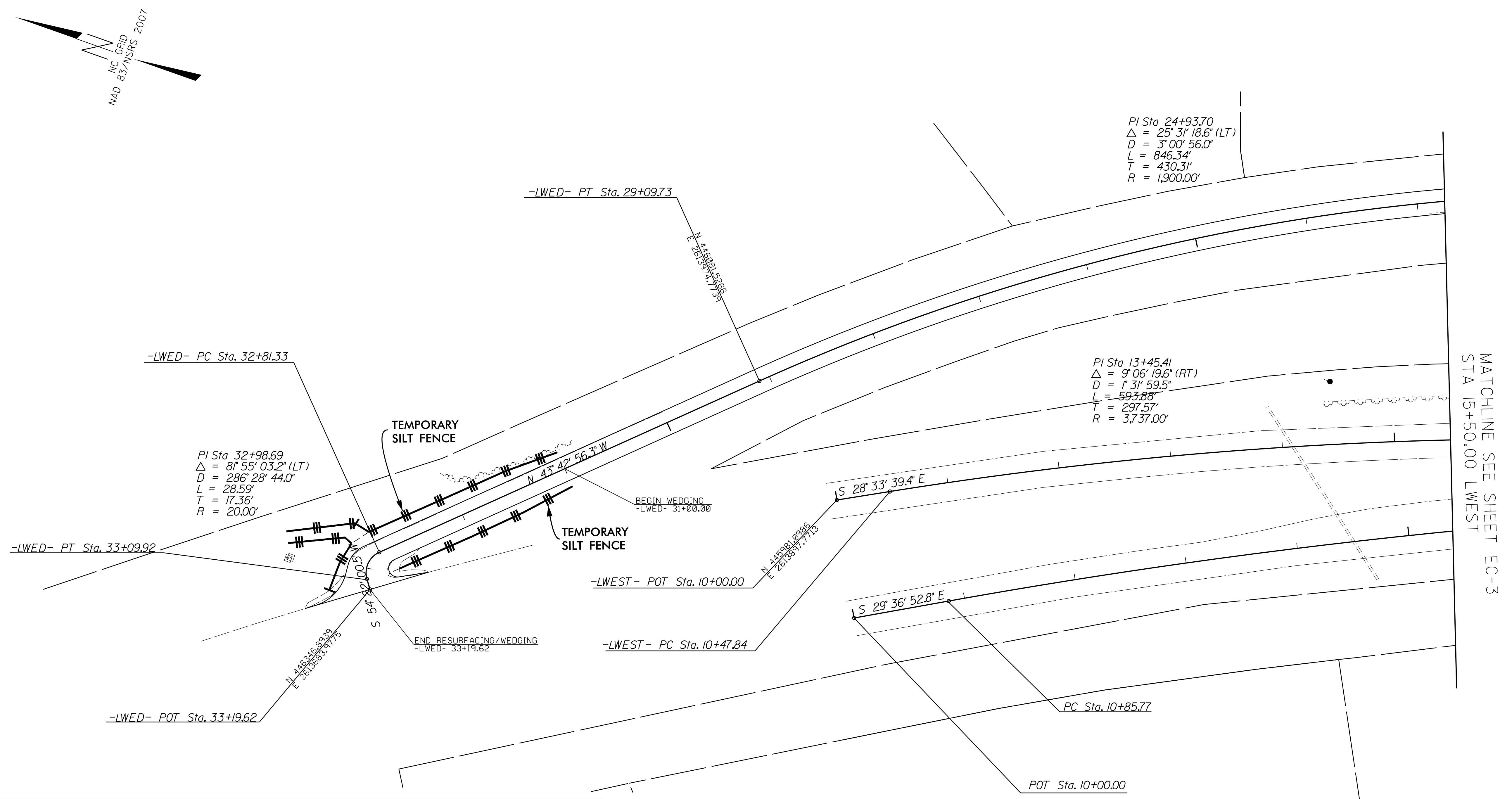
Lang Jones, DDC Engineer
Level IIIA
Certification #274

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 Entrance	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 Riser 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 Baffle
1630.06 Special Stilling Basin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

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MATCHLINE SEE SHEET EC-3
STA 15+50.00 WEST

REVISIONS

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SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HOW ZONES.

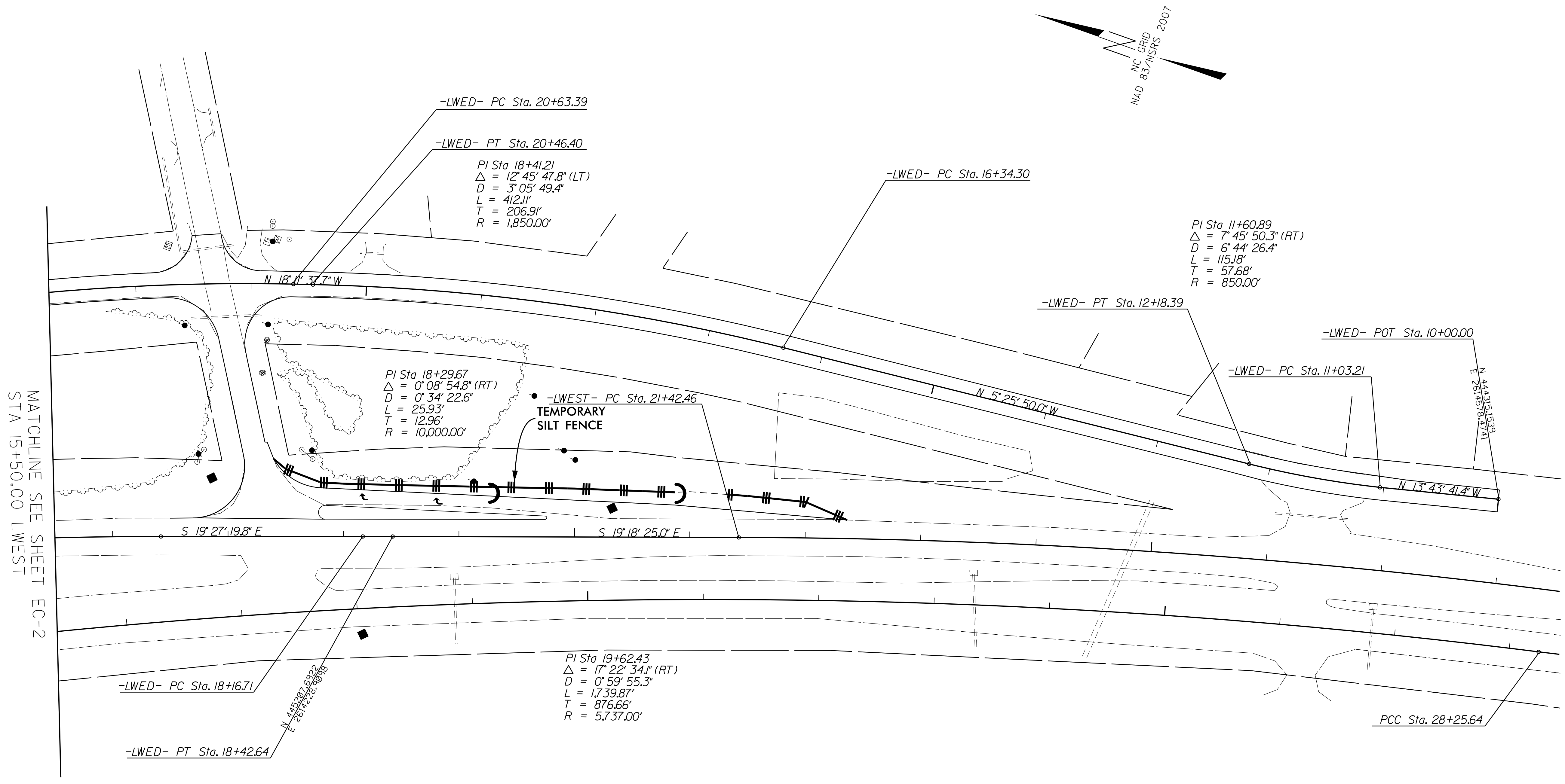
Std. #	Description	Symbol
1605.01	High Vis Temporary Silt Fence	_____
1632.03	Rock Inlet Sediment Trap Type C	□
SP	Wattle with Polyacrylamide	⊙
SP	Wattle	⊂
	Ditch Flow Line	_____

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.
ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.
CONTRACTOR SHALL INSTALL SPECIAL SEDIMENT CONTROL FENCE OR WATTLES IN LOW AREAS OF SILT FENCE AS NEEDED OR DIRECTED BY THE ENGINEER.

8/17/99

REVISIONS

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SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
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ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HOW ZONES.

Std. #	Description	Symbol
1605.01	High Vis Temporary Silt Fence	_____
1632.03	Rock Inlet Sediment Trap Type C	
SP	Wattle with Polyacrylamide	
SP	Wattle	
	Ditch Flow Line	_____

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DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

CROSS-SECTION SUMMARY

IN CUBIC YARDS

LOCATION (-LWEST-)	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT
<i>17+50.00</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>17+80.46</i>	<i>4</i>	<i>0</i>	<i>7</i>
<i>18+00.00</i>	<i>1</i>	<i>0</i>	<i>9</i>
<i>18+50.00</i>	<i>3</i>	<i>0</i>	<i>25</i>
<i>19+00.00</i>	<i>3</i>	<i>0</i>	<i>33</i>
<i>19+50.00</i>	<i>4</i>	<i>0</i>	<i>38</i>
<i>20+00.00</i>	<i>7</i>	<i>0</i>	<i>40</i>
<i>20+50.00</i>	<i>7</i>	<i>0</i>	<i>44</i>
<i>20+86.91</i>	<i>3</i>	<i>0</i>	<i>42</i>
<i>21+00.00</i>	<i>1</i>	<i>0</i>	<i>18</i>
<i>21+50.00</i>	<i>3</i>	<i>0</i>	<i>58</i>
<i>22+00.00</i>	<i>3</i>	<i>0</i>	<i>36</i>

LOCATION (-LWED-)	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT
<i>31+00.00</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>31+50.00</i>	<i>0</i>	<i>0</i>	<i>19</i>
<i>32+00.00</i>	<i>0</i>	<i>0</i>	<i>31</i>
<i>32+50.00</i>	<i>0</i>	<i>0</i>	<i>32</i>
<i>33+00.00</i>	<i>0</i>	<i>0</i>	<i>21</i>

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."

