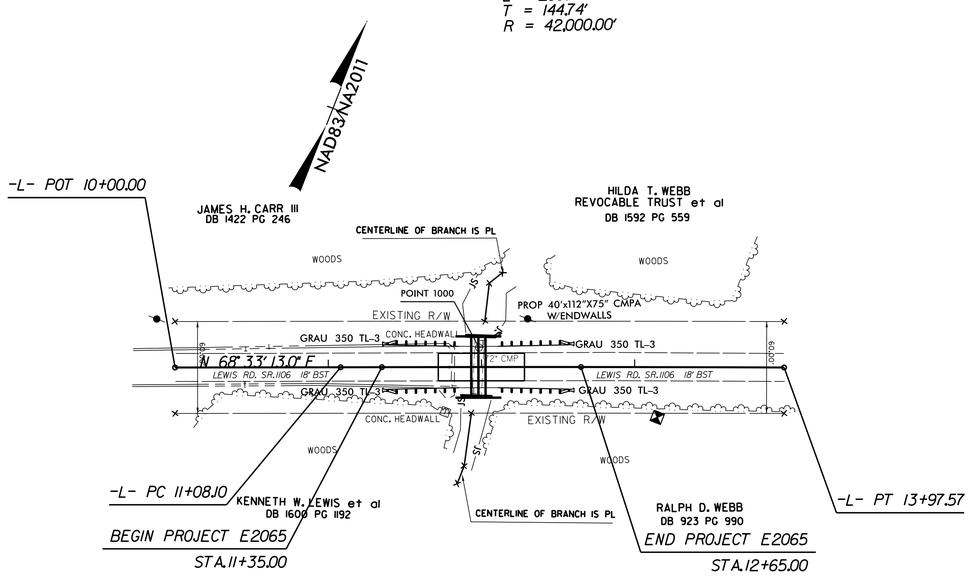
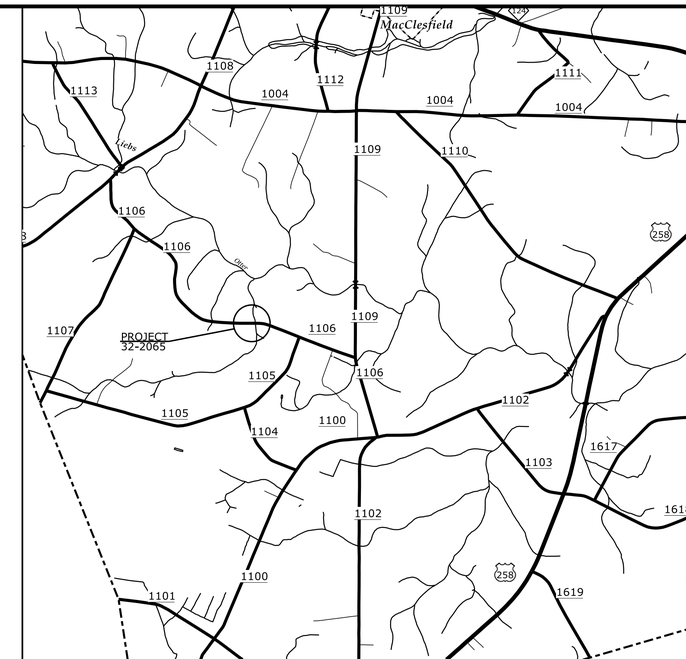
This electronic collection of documents is provided for the convenience of the user and is Not a Certified Document –

The documents contained herein were originally issued and sealed by the individuals whose names and license numbers appear on each page, on the dates appearing with their signature on that page.
This file or an individual page shall not be considered a certified document.





VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
EDGECOMBE COUNTY

LOCATION: SR-1106 (LEWIS RD) OVER TRIBUTARY TO OTTER CREEK

TYPE OF WORK: REMOVE AND REPLACE PIPE

STATE	PIPE NUMBER	CONTRACT	SHEET NO.
N.C.	32-2065	DD00178	1

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
17BP.4.C.1		PE,CONST.

ROADWAY DESIGN ENGINEER
5/24/2016
NORTH CAROLINA PROFESSIONAL SEAL 040257 ENGINEER W. MATTHEW CLARKE
DocuSigned by: W. Matthew Clarke
1EB0000E4A5437...

HYDRAULICS ENGINEER (PIPE SIZE)
5/24/2016
NORTH CAROLINA PROFESSIONAL SEAL 034349 ENGINEER PAUL A. JORDAN
DocuSigned by: Paul A Jordan
B92E3D7A1CCA437...

GRAPHIC SCALES
PLANS 50 25 0 50
PROFILE (HORIZONTAL) 50 25 0 50
PROFILE (VERTICAL) 10 5 0 10

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:
DIVISION OF HIGHWAYS
Division 4 DDC
509 Ward Blvd., Wilson NC, 27895

2012 STANDARD SPECIFICATIONS

LETTING DATE: JUNE 2016

TIM LITTLE, PE
PROJECT ENGINEER

D.R. ETHRIDGE
PROJECT DESIGN ENGINEER

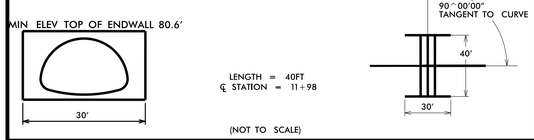
PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YARD.
E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YARD.
T	EARTH MATERIAL

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

TYPICAL SECTION
1@112"x75" CMPA

MIN ELEV TOP OF ENDWALL 80.6'

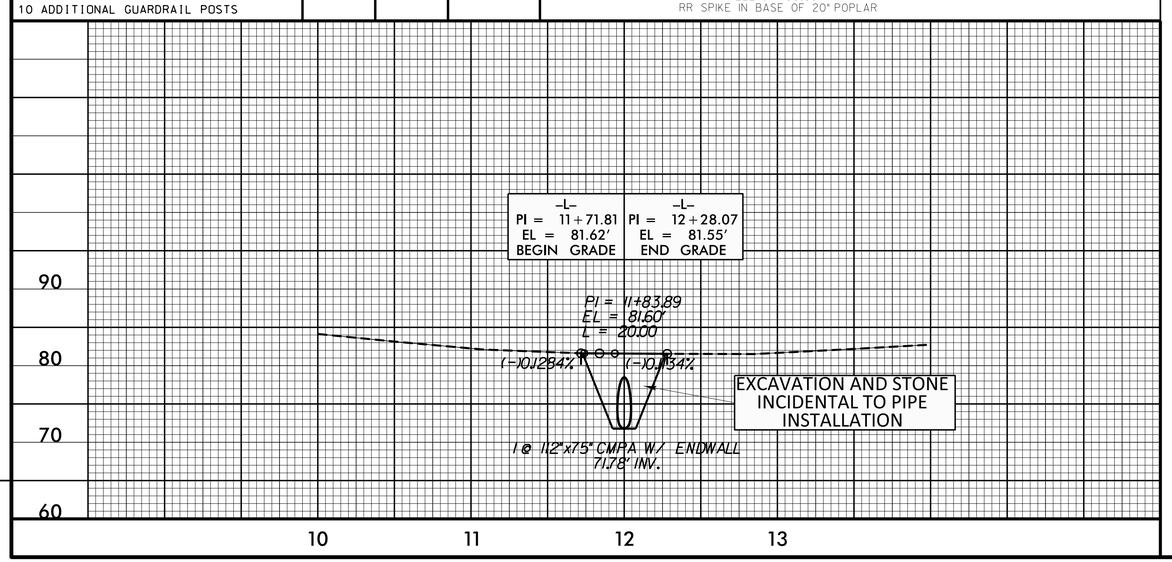


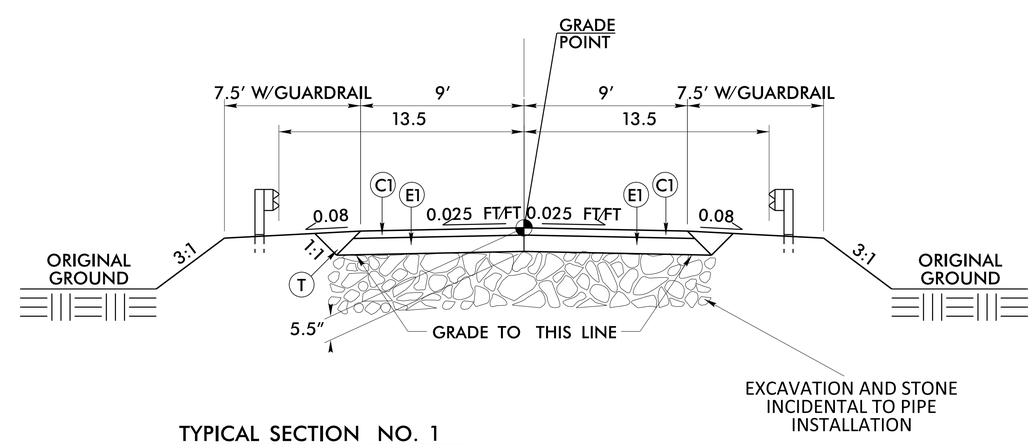
(NOT TO SCALE)

GUARDRAIL DATA

STATION BEGIN	STATION END	LOC	LENGTH	DIST FROM CL	ANCHORS GRAU350	NOTES
11+35.5	12+60.5	LT	125.0	13.5	2	25' NESTED
11+35.5	12+60.5	RT	125.0	13.5	2	25' NESTED
SUBTOTAL			250.0		4	
		GRAU350 4*50	-200.0			
TOTAL			50.0		4	
10 ADDITIONAL GUARDRAIL POSTS						

BM #1
N:718339.22 E:2394366.52
BL STA OUT OF CHAIN
ELEV.= 80.86'
RR SPIKE IN BASE OF 20" POPLAR



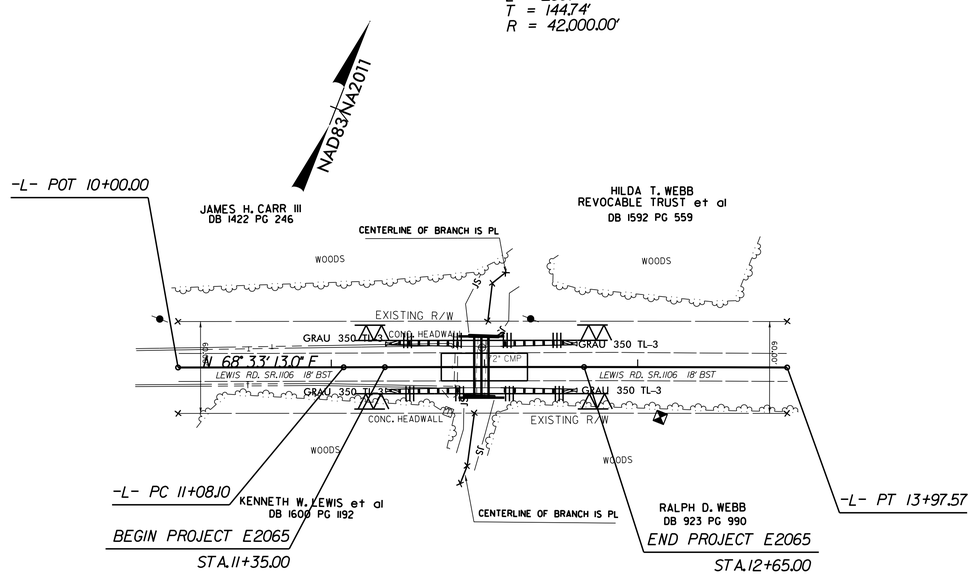


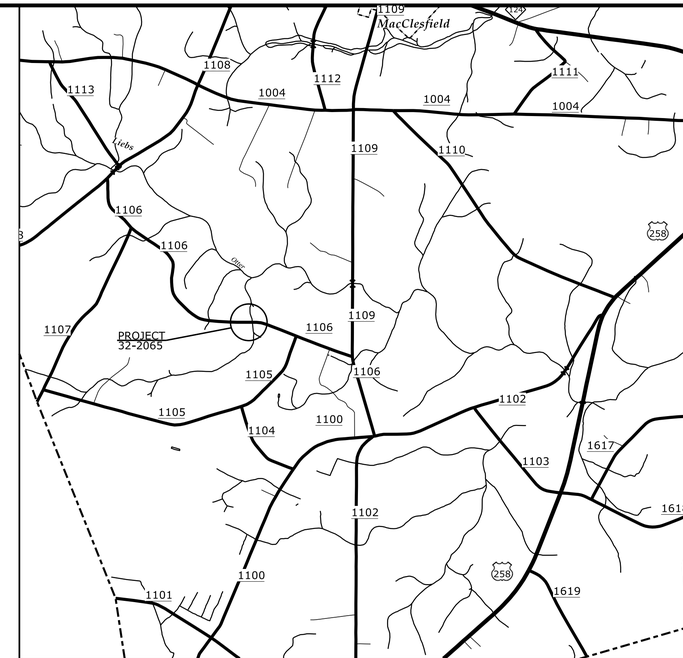
TYPICAL SECTION NO. 1

USE TYPICAL SECTION NO. 1
-L- 11+75 TO 12+25

REVISIONS

20-MAY-2016 09:50
S:\DDC\pipetopipe\E2065\roadway\Proj\322065_ddc4_psh.dgn
D4DDC





VICINITY MAP

STATE OF NORTH CAROLINA

DIVISION OF HIGHWAYS

PLAN FOR PROPOSED HIGHWAY EROSION CONTROL

STATE	PIPE NUMBER	CONTRACT	SHEET NO.
N.C.	32-2065	DD00178	1

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
17BP.4.C.1		PE,CONST.

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.

GRAPHIC SCALES

50 25 0 50 PLANS

50 25 0 50 PROFILE (HORIZONTAL)

10 5 0 10 PROFILE (VERTICAL)

Prepared in the Office of:

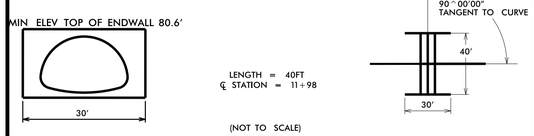
ROADSIDE ENVIRONMENTAL UNIT
2012 STANDARD SPECIFICATIONS

Designed by:

AARON HARPER — NAME

3390 — *LEVEL III CERTIFICATION NO.*

TYPICAL SECTION
1@112"x75" CMPA



(NOT TO SCALE)

INSTALL SPECIAL SEDIMENT CONTROL FENCE IN LOW POINTS OF SILT FENCE AS NEEDED

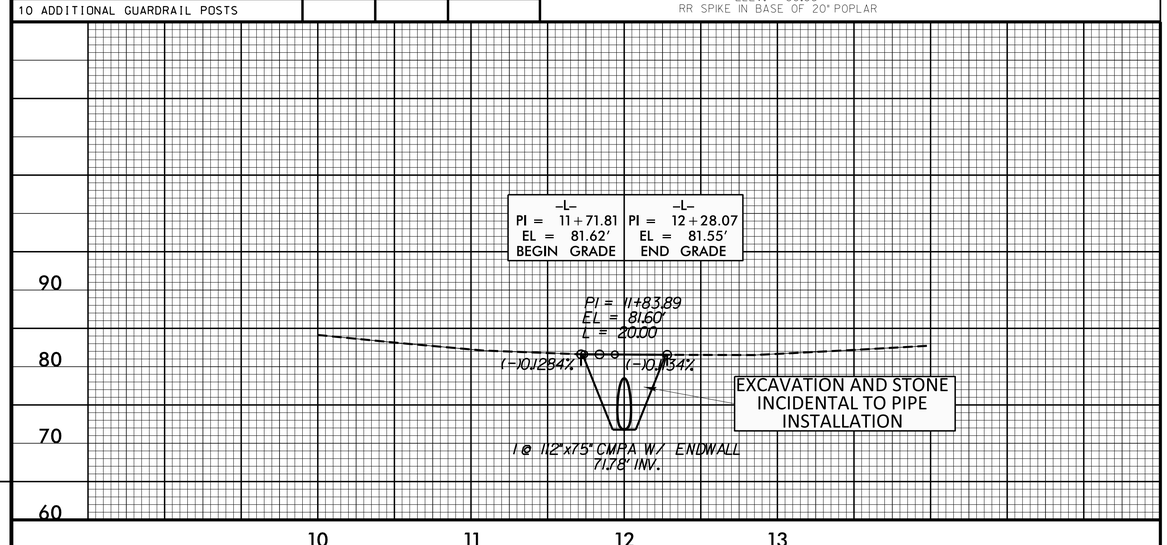
INSTALL SILT FENCE TO CONTAIN TEMPORARY EARTH MATERIAL STOCKPILES

GUARDRAIL DATA

STATION BEGIN	STATION END	LOC	LENGTH	DIST FROM CL	ANCHORS GRAU350	NOTES
11+35.5	12+60.5	LT	125.0	13.5	2	25' NESTED
11+35.5	12+60.5	RT	125.0	13.5	2	25' NESTED
SUBTOTAL			250.0		4	
GRAU350 4*50			-200.0			
TOTAL			50.0		4	
10 ADDITIONAL GUARDRAIL POSTS						

BM #1
N:718339.22 E:2394366.52
BL STA OUT OF CHAIN
ELEV.= 80.86'
RR SPIKE IN BASE OF 20" POPLAR

Std. #	Description	Symbol
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	

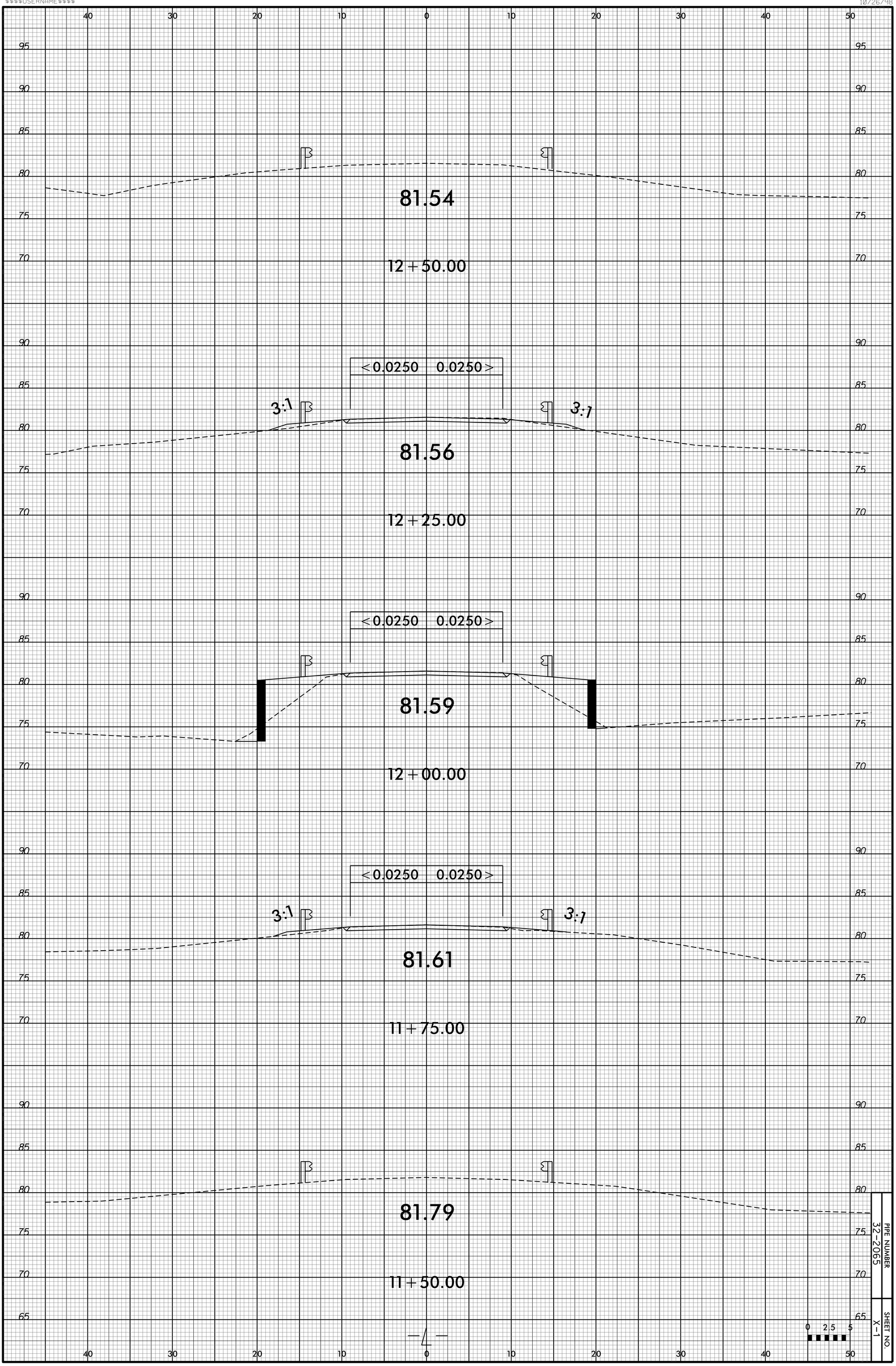


SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) 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 HQW ZONES.

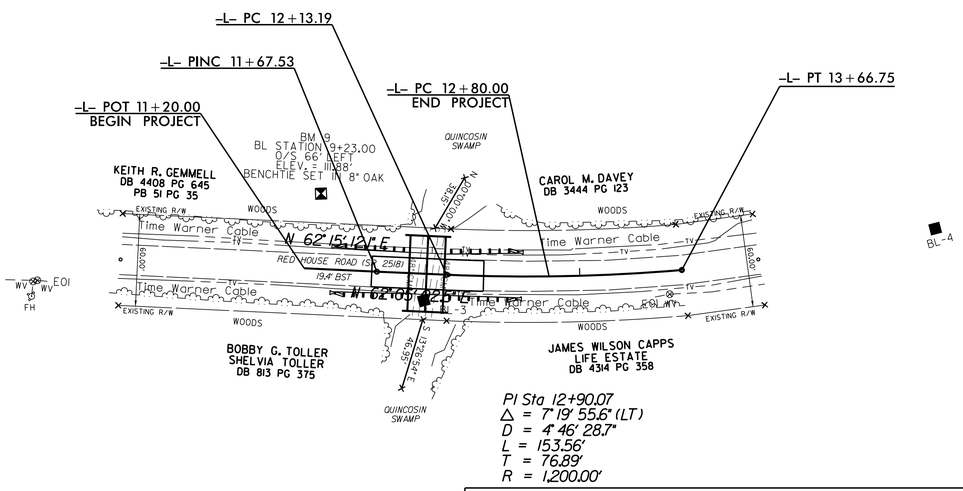
REVISIONS

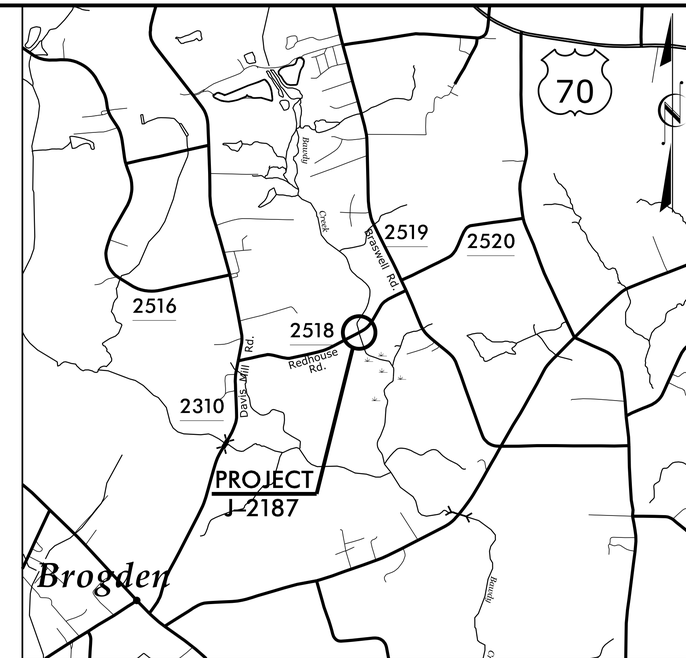
24-MAY-2016 11:47
S:\DDC\pipetopipe\E2065\roadway\Proj\322065_ddc4_psh_ec.dgn
D4DDC



PIPE NUMBER 32-2065

SHEET NO. X-1





VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
JOHNSTON COUNTY

LOCATION: SR 2518 (REDHOUSE RD.) OVER QUINCOSIN SWAMP

TYPE OF WORK: REMOVE AND REPLACE PIPE

STATE	BRIDGE NUMBER	CONTRACT	SHEET NO.
N.C.	50-2187	DD00178	1

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
17BP.4.C.3		PE,CONST.

ROADWAY DESIGN ENGINEER
5/24/2016
NORTH CAROLINA PROFESSIONAL SEAL 040257 ENGINEER W. MATTHEW CLARKE
DocuSigned by: W. Matthew Clarke
1E8D0007E4AC437...

HYDRAULICS ENGINEER (PIPE SIZE)
5/24/2016
NORTH CAROLINA PROFESSIONAL SEAL 034349 ENGINEER PAUL A. JORDAN
DocuSigned by: Paul A Jordan
B9D8E9F3A5C4A3F...

GRAPHIC SCALES
PLANS 50 25 0 50
PROFILE (HORIZONTAL) 50 25 0 50
PROFILE (VERTICAL) 10 5 0 10

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:
DIVISION OF HIGHWAYS
Division 4 DDC
509 Ward Blvd., Wilson NC, 27895

2012 STANDARD SPECIFICATIONS

LETTING DATE: JUNE 2016

TIM LITTLE, PE
PROJECT ENGINEER

D.R. ETHRIDGE
PROJECT DESIGN ENGINEER

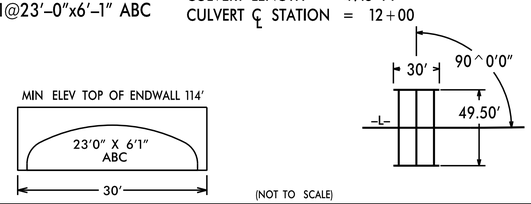
PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YARD.
T	EARTH MATERIAL
E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YARD.

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

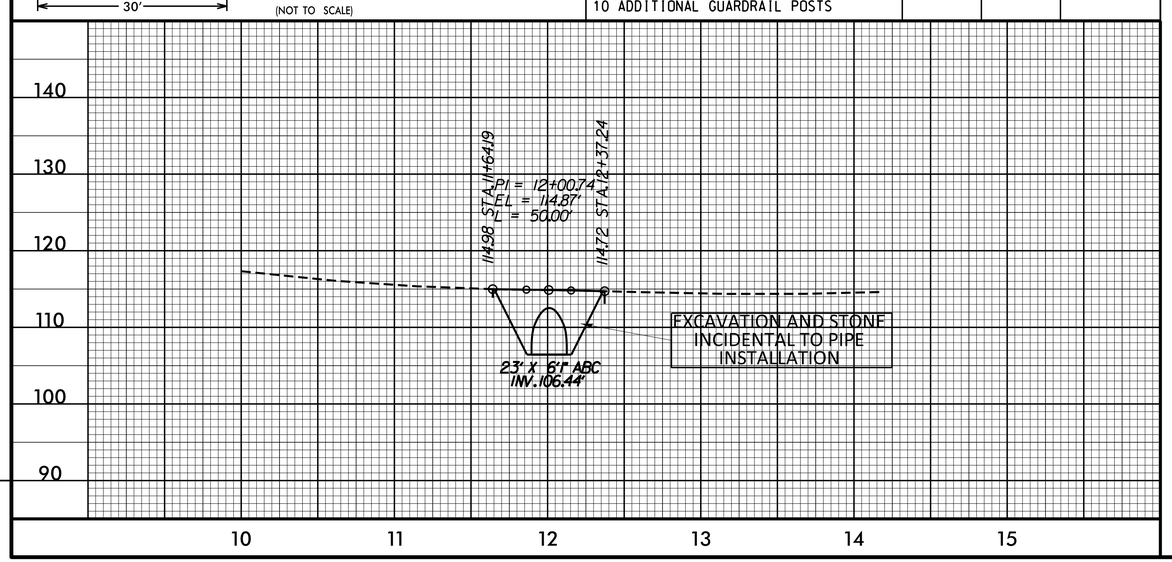
TYPICAL SECTION
1@23'-0"x6'-1" ABC

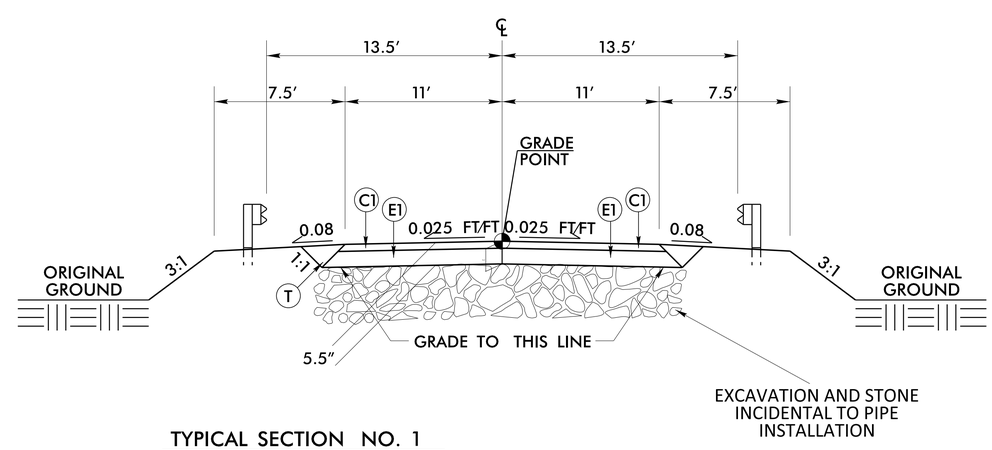
CULVERT LENGTH = 49.5 FT
CULVERT ℄ STATION = 12+00



(NOT TO SCALE)

GUARDRAIL DATA						
STATION				DIST	ANCHORS	
BEGIN	END	LOC	LENGTH	FROM CL	GRAU350	NOTES
11+37.5	12+62.5	LT	125.0	13.5	2	25' NESTED
11+37.5	12+62.5	RT	125.0	13.5	2	25' NESTED
SUBTOTAL			250.0		4	
		GRAU350 4*50	-200.0			
TOTAL			50.0		4	
10 ADDITIONAL GUARDRAIL POSTS						

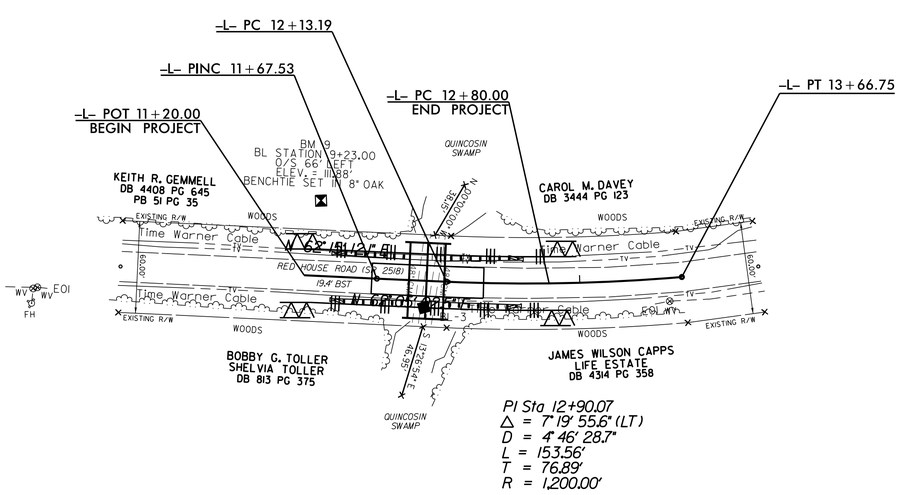




TYPICAL SECTION NO. 1
USE TYPICAL SECTION NO. 1
-L- 10+00.00 TO 14+17.45

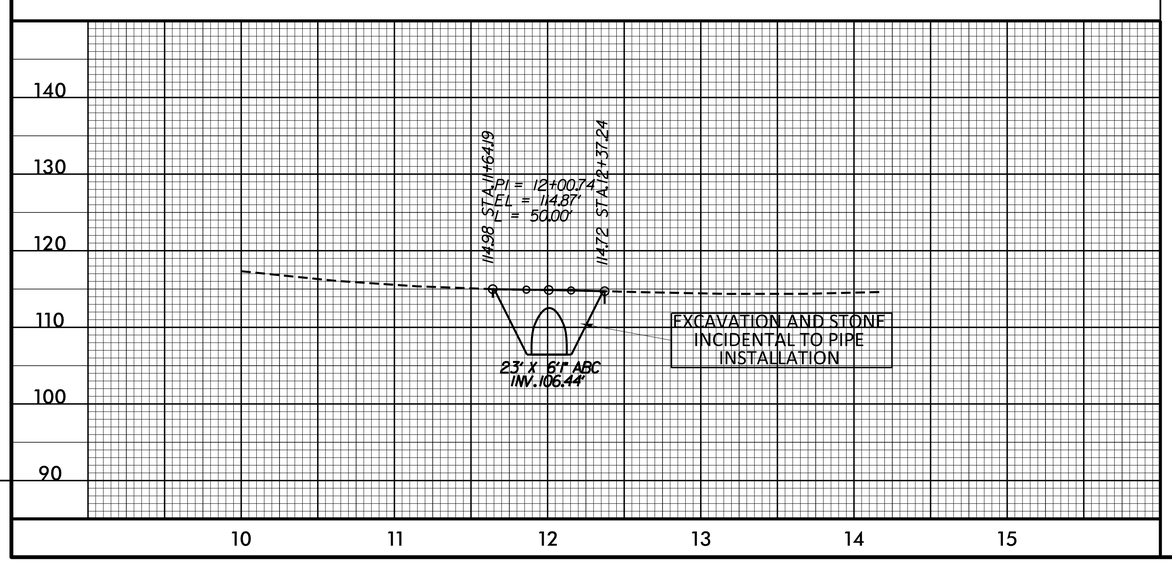
REVISIONS

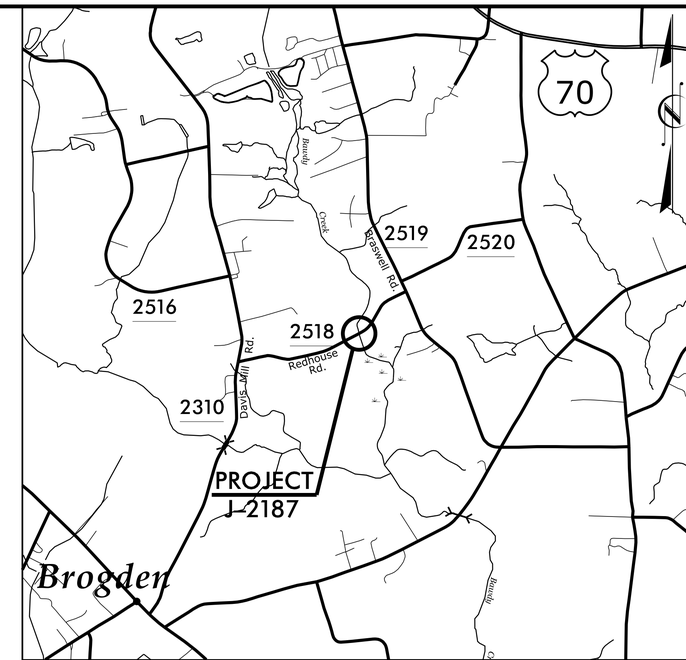
20-MAY-2016 09:57
S:\DDC\pipetopipe\J2187\roadway\Proj\J2187_Rdy_psh.dgn
D4DDC



INSTALL SPECIAL SEDIMENT CONTROL FENCE IN LOW POINTS OF SILT FENCE AS NEEDED

INSTALL SILT FENCE TO CONTAIN TEMPORARY EARTH MATERIAL STOCKPILES





VICINITY MAP

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

STATE	BRIDGE NUMBER	CONTRACT	SHEET NO.
N.C.	50-2187	DD00178	1

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
17BP.4.C.3		PE,CONST.

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.

GRAPHIC SCALES
50 25 0 50 PLANS
50 25 0 50 PROFILE (HORIZONTAL)
10 5 0 10 PROFILE (VERTICAL)

Prepared in the Office of:

ROADSIDE ENVIRONMENTAL UNIT
2012 STANDARD SPECIFICATIONS

Designed by:

AARON HARPER — NAME
3390 — *LEVEL III CERTIFICATION NO.*

Std. #	Description	Symbol
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	

SOIL STABILIZATION TIMEFRAMES

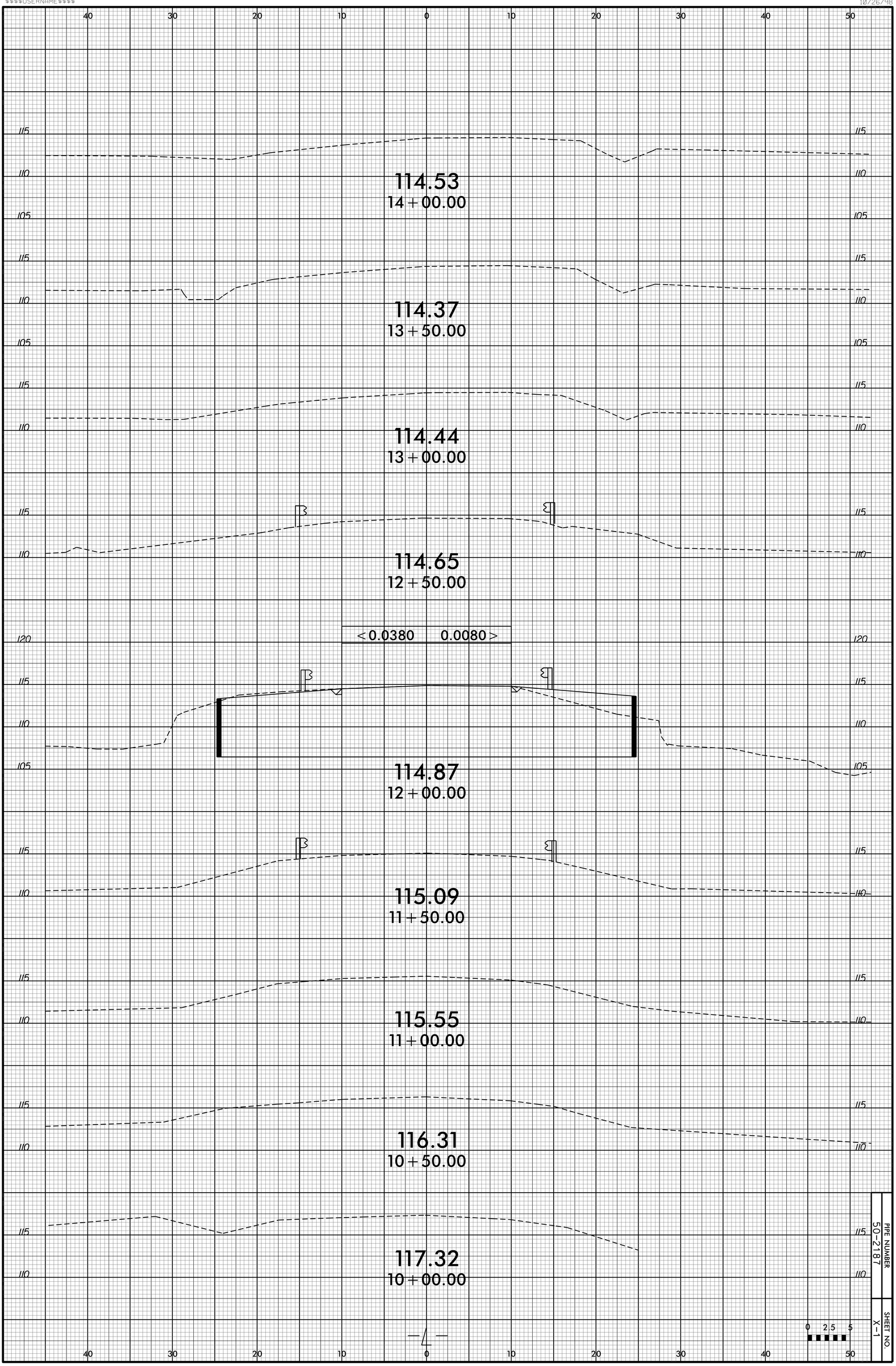
SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	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 HQW ZONES.

REVISIONS

24-MAY-2016 11:47
S:\DDC\pipetopipe\J2187\roadway\Proj\J2187_Rdy_psh_ec.dgn
D4DDC

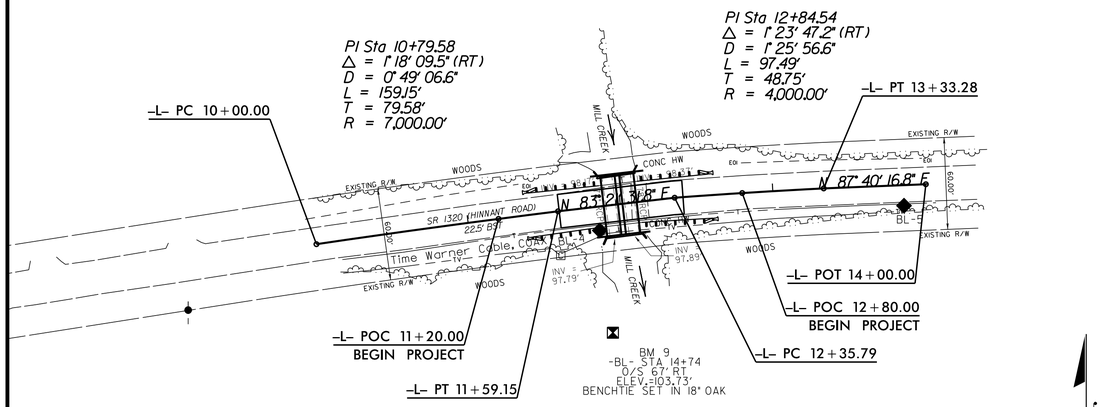
24-MAY-2016 11:48
ADDC\pinetopipe\J2187\roadway\Proj\J2187_Rdy_xpl.dgn
$$$$USERNAME$$$$

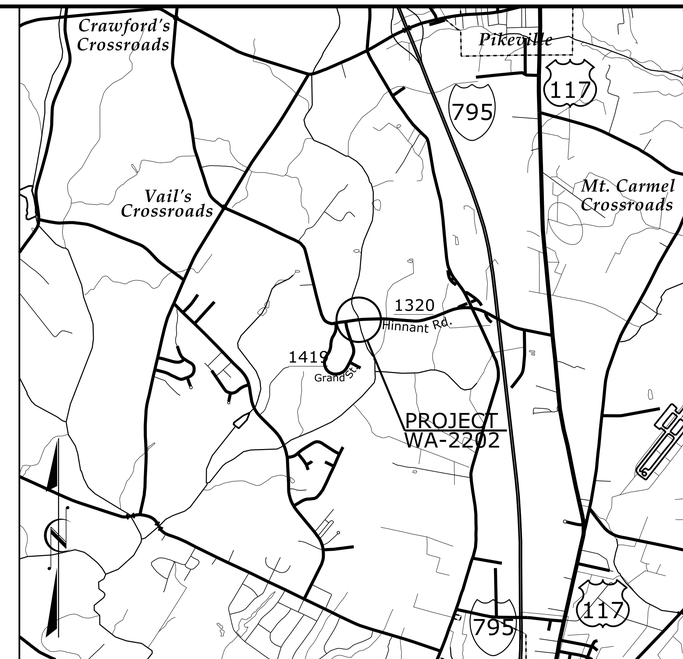
10/26/98



PIPE NUMBER
50-2187

SHEET NO.
X-1





VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
WAYNE COUNTY

LOCATION: SR 1320 (HINNANT RD.) OVER MILL CREEK

TYPE OF WORK: REMOVE AND REPLACE PIPE

STATE	BRIDGE NUMBER	CONTRACT	SHEET NO.
N.C.	95-2202	DD00178	1

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
17BP.4.C.4		PE,CONST.

ROADWAY DESIGN ENGINEER
5/24/2016
NORTH CAROLINA PROFESSIONAL SEAL 040257 ENGINEER W. MATTHEW CLARKE
DocuSigned by: W. Matthew Clarke
7EB2009FEA9F437...

HYDRAULICS ENGINEER (PIPE SIZE)
5/24/2016
NORTH CAROLINA PROFESSIONAL SEAL 034349 ENGINEER PAUL A. JORDAN
DocuSigned by: Paul A Jordan
89DC907A16D4A9F...

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES
50 25 0 50 PLANS
50 25 0 50 PROFILE (HORIZONTAL)
10 5 0 10 PROFILE (VERTICAL)

Prepared in the Office of:

DIVISION OF HIGHWAYS

Division 4 DDC
509 Ward Blvd., Wilson NC, 27895

2012 STANDARD SPECIFICATIONS

LETTING DATE: JUNE 2016

TIM LITTLE, PE
PROJECT ENGINEER

D.R. ETHRIDGE
PROJECT DESIGN ENGINEER

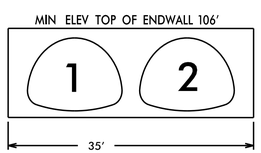
PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YARD.
T	EARTH MATERIAL
E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YARD.

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

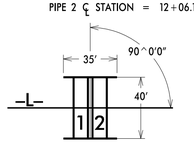
TYPICAL SECTION
2@112"x75" CMPA

MIN ELEV TOP OF ENDWALL 106'



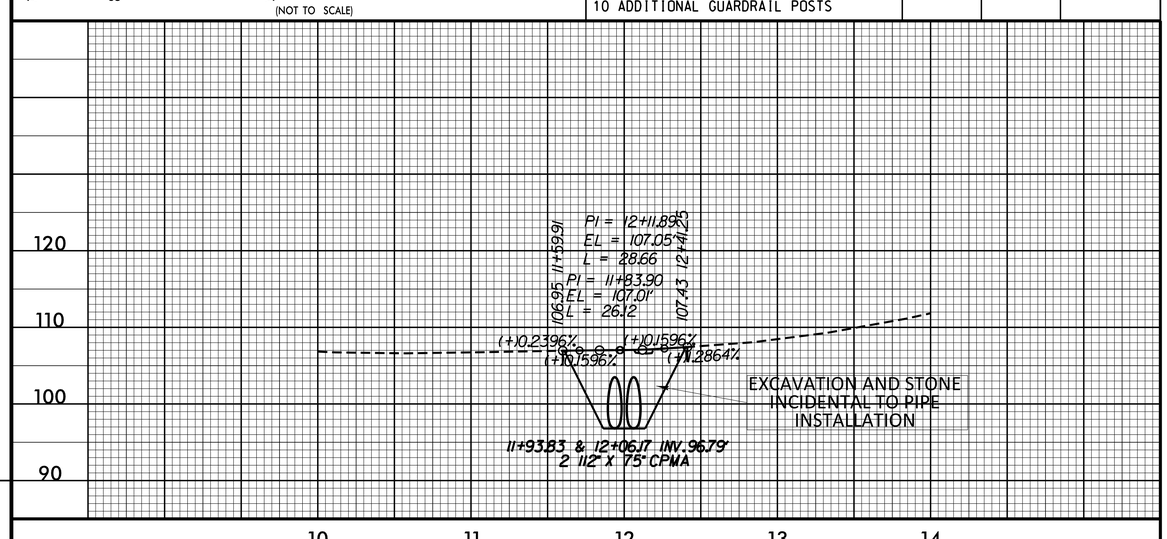
(NOT TO SCALE)

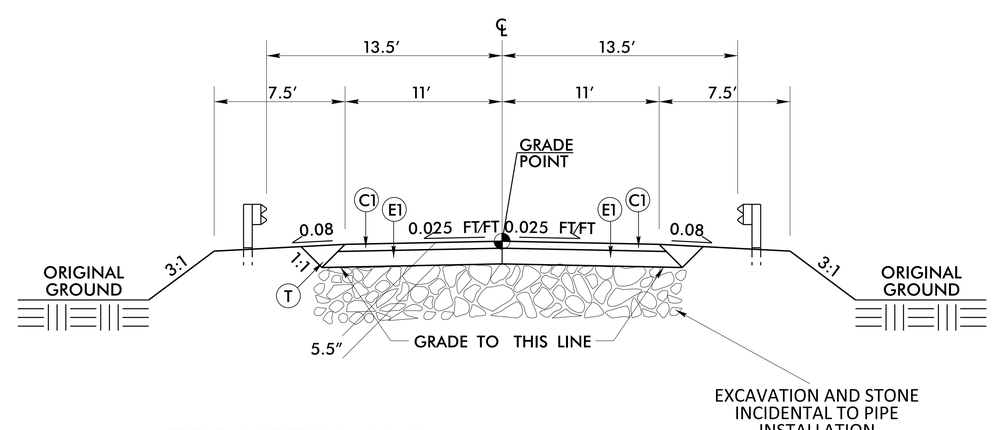
PIPE 1 LENGTH = 40 FT
PIPE 1 ℄ STATION = 11+93.83
PIPE 2 LENGTH = 40 FT
PIPE 2 ℄ STATION = 12+06.17



GUARDRAIL DATA

STATION BEGIN	STATION END	LOC	LENGTH	DIST FROM CL	ANCHORS GRAU350	NOTES
11+37.5	12+62.5	LT	125.0	13.5	2	25' NESTED
11+37.5	12+62.5	RT	125.0	13.5	2	25' NESTED
SUBTOTAL			250.0		4	
		GRAU350 4*50	-200.0			
TOTAL			50.0		4	
10 ADDITIONAL GUARDRAIL POSTS						



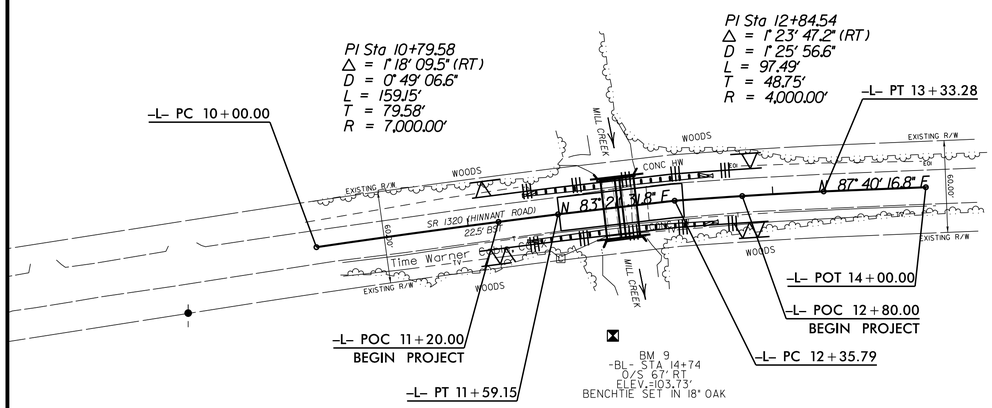


TYPICAL SECTION NO. 1

USE TYPICAL SECTION NO. 1
-L- 11+20.00 TO 12+80.00

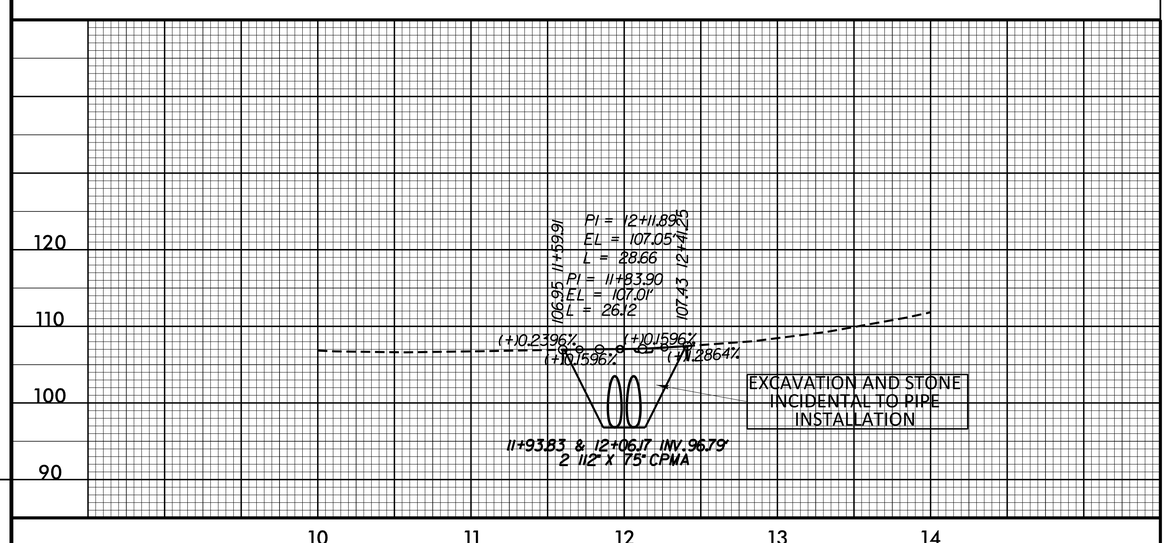
REVISIONS

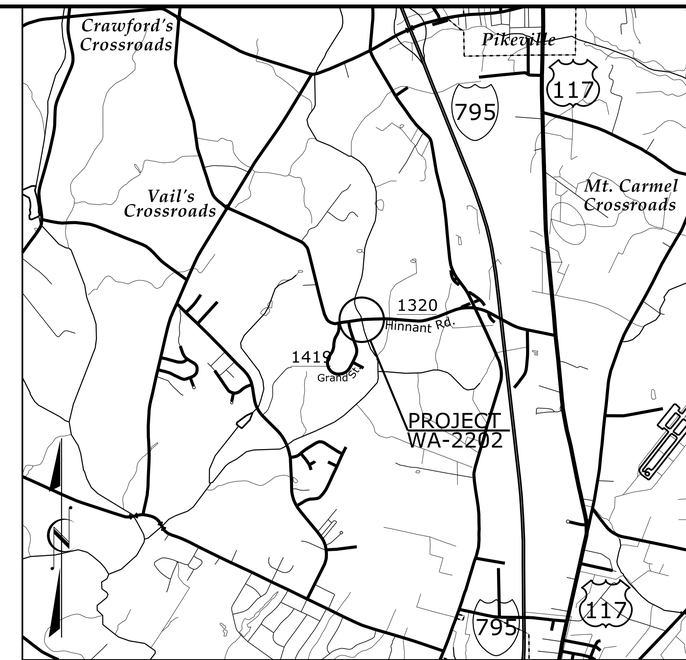
20-MAY-2016 09:51
S:\DDC\pipetopipe\wa2202\roadway\Proj\WA2202_Rdy_psh.dgn
D4DDC



INSTALL SPECIAL SEDIMENT CONTROL FENCE IN LOW POINTS OF SILT FENCE AS NEEDED

INSTALL SILT FENCE TO CONTAIN TEMPORARY EARTH MATERIAL STOCKPILES





VICINITY MAP

STATE OF NORTH CAROLINA

DIVISION OF HIGHWAYS

PLAN FOR PROPOSED HIGHWAY EROSION CONTROL

STATE	BRIDGE NUMBER	CONTRACT	SHEET NO.
N.C.	95-2202	DD00178	1

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
17BP.4.C.4		PE,CONST.

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.

GRAPHIC SCALES

50 25 0 50 PLANS

50 25 0 50 PROFILE (HORIZONTAL)

10 5 0 10 PROFILE (VERTICAL)

Prepared in the Office of:

ROADSIDE ENVIRONMENTAL UNIT
2012 STANDARD SPECIFICATIONS

Designed by:

AARON HARPER — NAME

3390 — *LEVEL III CERTIFICATION NO.*

Std. #	Description	Symbol
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	

SOIL STABILIZATION TIMEFRAMES

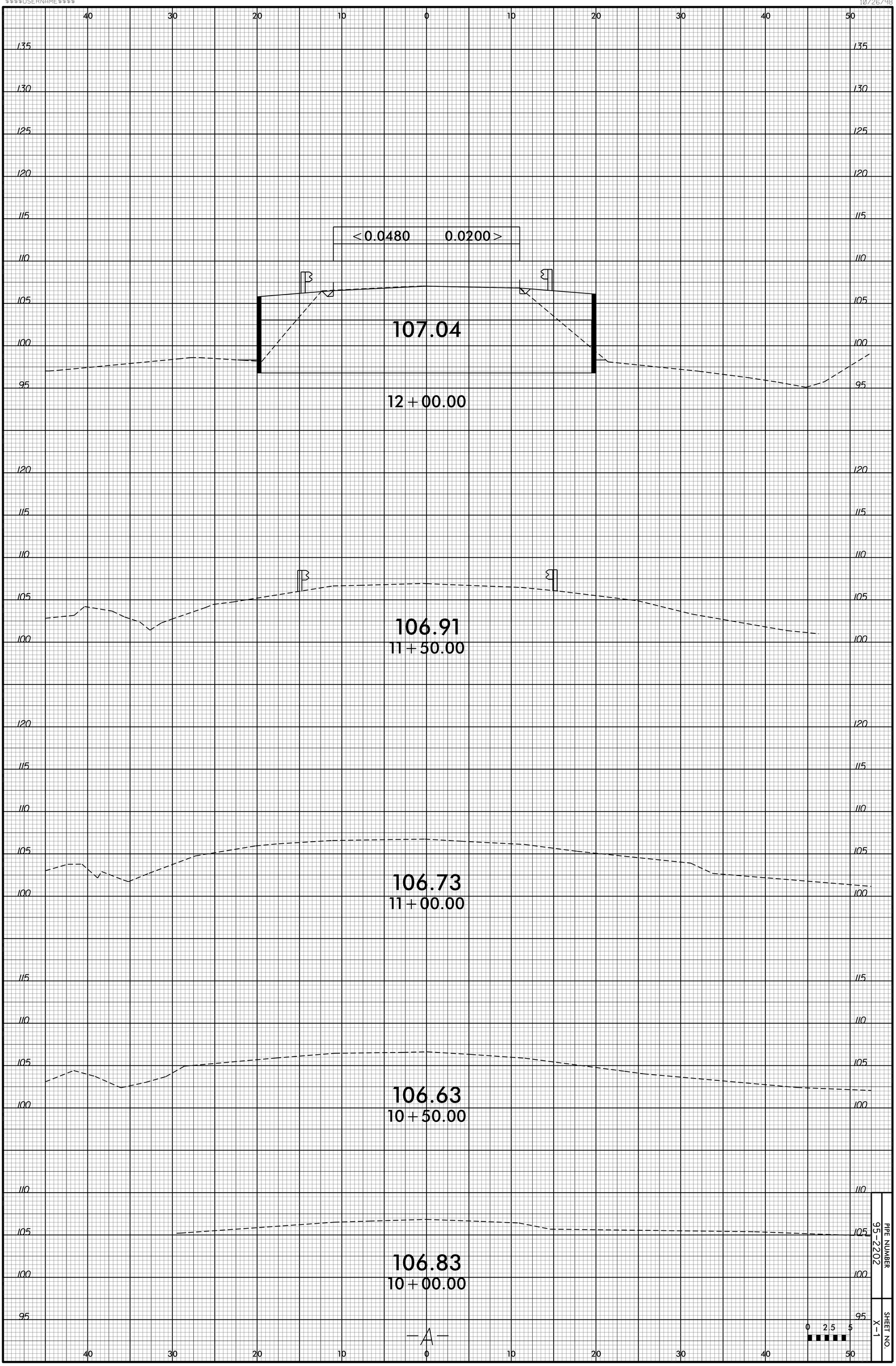
SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	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 HQW ZONES.

REVISIONS

24-MAY-2016 11:48
S:\DDC\pipetopipe\wa2202\roadway\Proj\WA2202_Rdy_psh_ec.dgn
D4DDC

24-MAY-2016 11:48
DC:\pipetopipe\wa2202\roadway\Proj\WA2202_Rdy_xpl.dgn
$$$$USERNAME$$$$

10/26/98

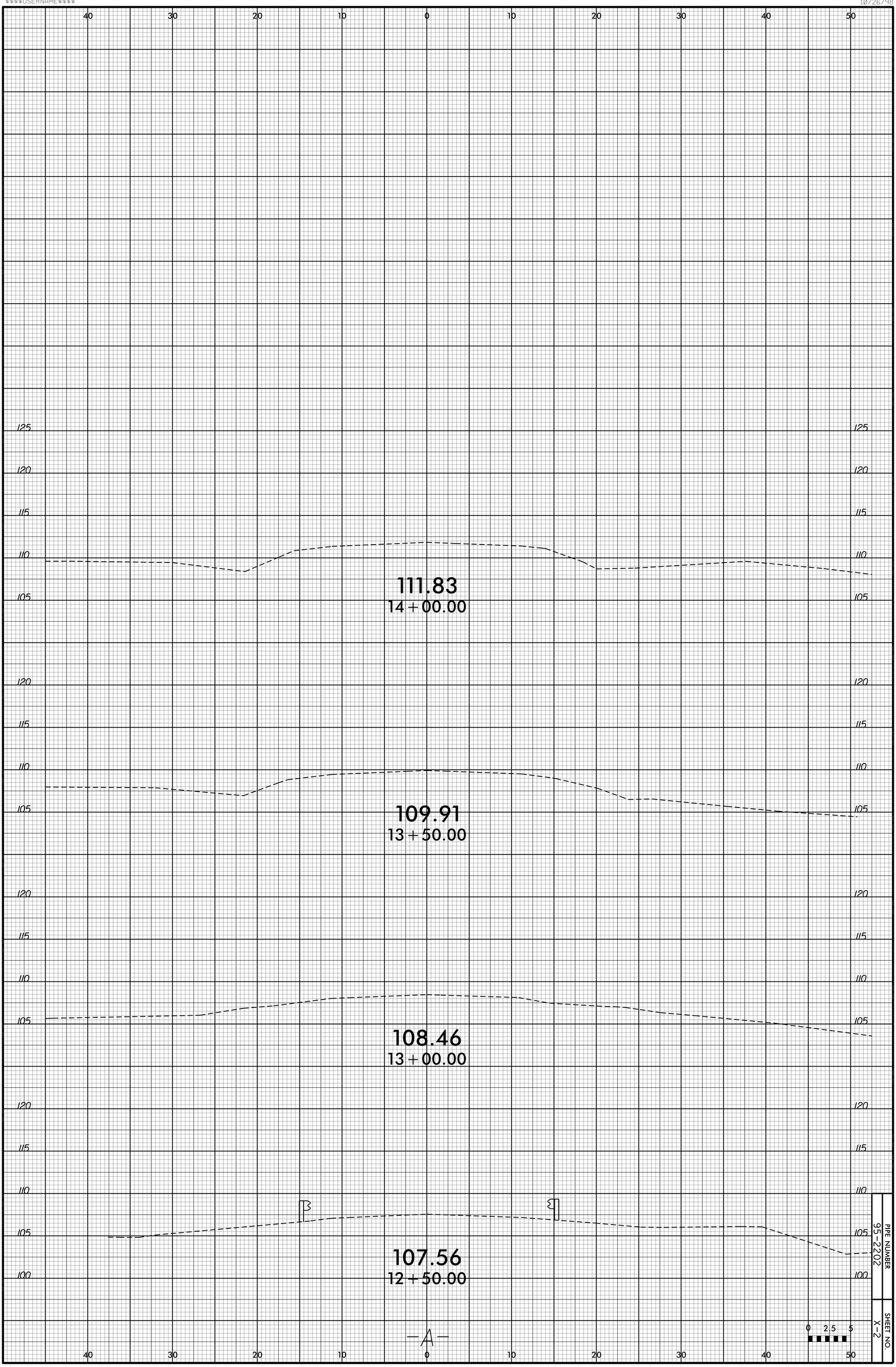


PIPE NUMBER
95-2202

SHEET NO.
X-1

24-MAY-2016 11:48
DC:\pipetopipe\wa2202\roadway\Proj\WA2202_Rdy_xpl.dgn
$$$$USERNAME$$$$

10/26/98



PIPE NUMBER
95-2202

SHEET NO.
X-2