

See Sheet 1-A For Index of Sheets  
See Sheet 1-B For Conventional Symbols

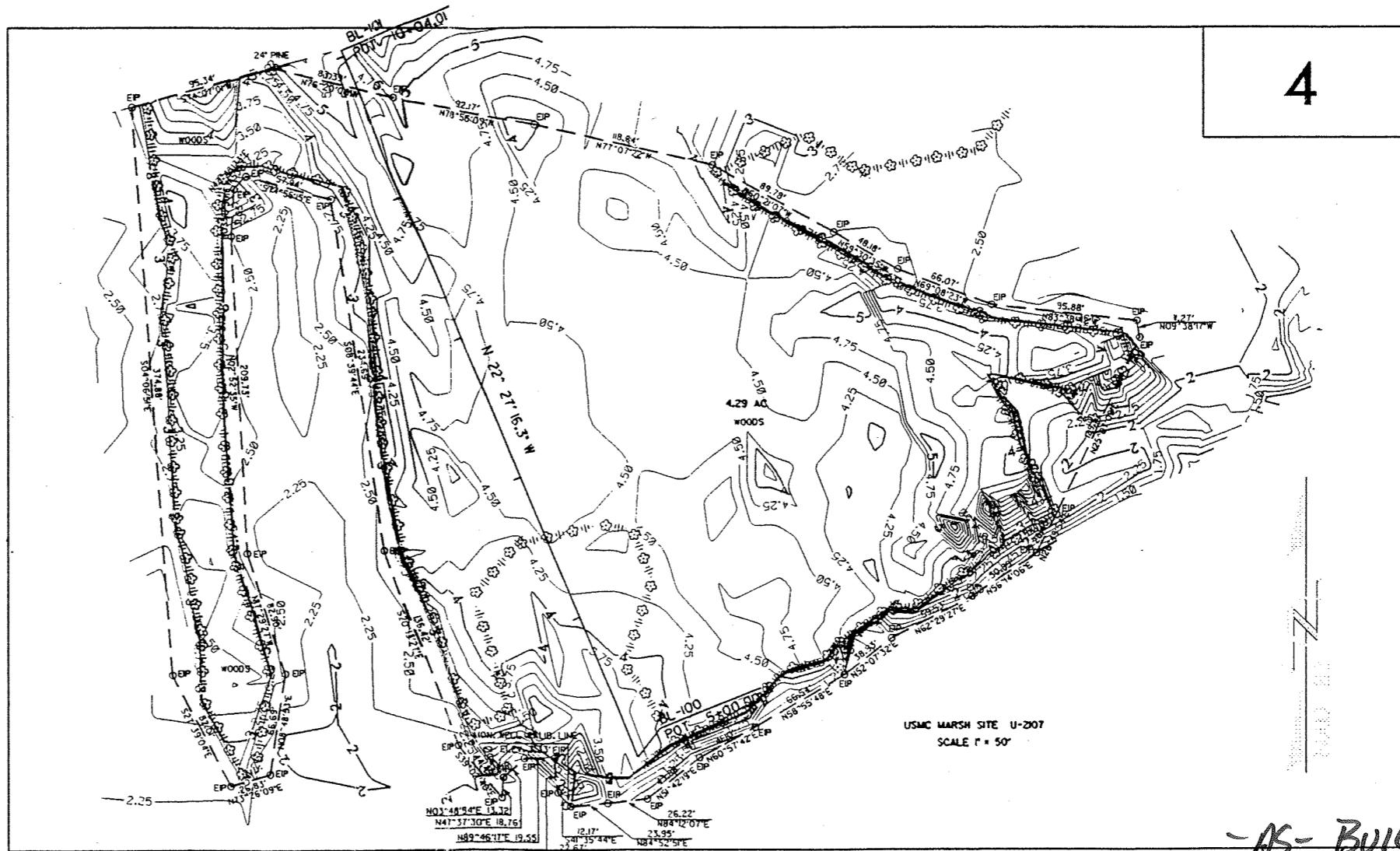
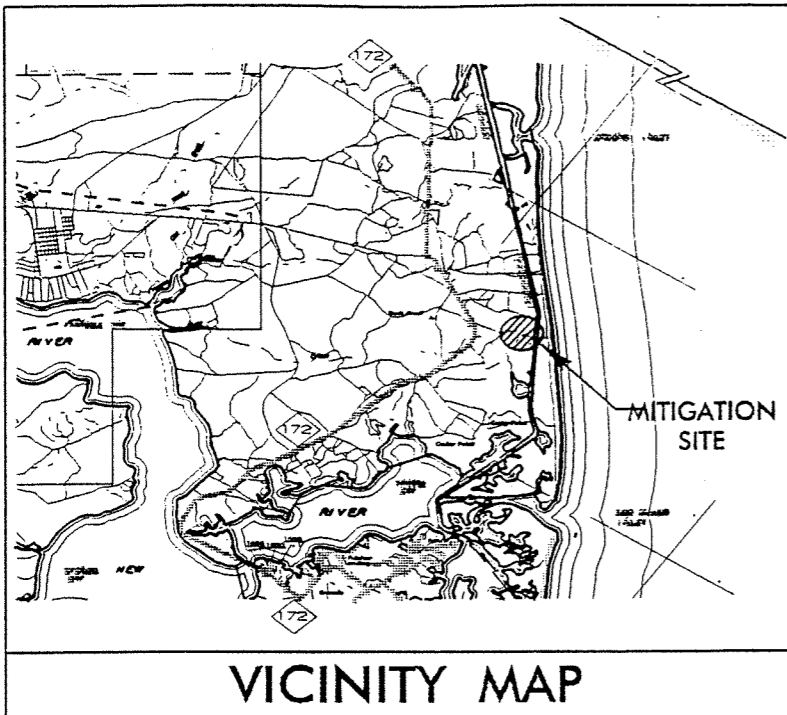
STATE OF NORTH CAROLINA

DIVISION OF HIGHWAYS

SONSLOW COUNTY

LOCATION WETLAND MITIGATION SITE FOR US 17 JACKSONVILLE BYPASS  
TYPE OF WORK: CLEARING & GRUBBING & GRADING

N.C.		1
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION



-AS-BUILTS-

PROJECT: 62690107 U-2107 WM

GRAPHIC SCALES

DESIGN DATA

N/A

PROJECT LENGTH

N/A

Prepared In the Office of:  
**DIVISION OF HIGHWAYS**

1995 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: \_\_\_\_\_

LETTING DATE: \_\_\_\_\_

PROJECT ENGINEER

PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

*[Signature]*

3/4/99

ROADWAY DESIGN ENGINEER

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

# CONVENTIONAL SYMBOLS

## ROADS & RELATED ITEMS

Edge of Pavement	-----
Curb	-----
Prop. Slope Stakes Cut	----- C
Prop. Slope Stakes Fill	----- F
Prop. Woven Wire Fence	----- ○ ○
Prop. Chain Link Fence	----- □ □
Prop. Barbed Wire Fence	----- ◇ ◇
Prop. Wheelchair Ramp	----- WCR
Exist. Guardrail	----- = = = =
Prop. Guardrail	----- = = = =
Equality Symbol	----- ⊕
Pavement Removal	----- X X X X

## RIGHT OF WAY

Baseline Control Point	----- ◆
Existing Right of Way Marker	----- △
Exist. Right of Way Line w/Marker	----- △
Prop. Right of Way Line with Proposed R/W Marker (Iron Pin & Cap)	----- ▲
Prop. Right of Way Line with Proposed (Concrete or Granite) R/W Marker	----- ▲
Exist. Control of Access Line	----- ⊕
Prop. Control of Access Line	----- ⊕
Exist. Easement Line	----- E
Prop. Temp. Construction Easement Line	----- E
Prop. Temp. Drainage Easement Line	----- TDE
Prop. Perm. Drainage Easement Line	----- PDE

## HYDROLOGY

Stream or Body of Water	-----
Flow Arrow	----- →
Disappearing Stream	----- > ---
Spring	----- ~ ~ ~
Swamp Marsh	----- ⋈
Shoreline	-----
Falls, Rapids	----- +
Prop Lateral, Tail, Head Ditches	----- ← FLOW

## STRUCTURES

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

MINOR	
Head & End Wall	----- CONC HW
Pipe Culvert	----- = = = =
Footbridge	----- > ----- <
Drainage Boxes	----- □ CB
Paved Ditch Gutter	----- - - - -

## UTILITIES

Exist. Pole	----- •
Exist. Power Pole	----- •
Prop. Power Pole	----- •
Exist. Telephone Pole	----- •
Prop. Telephone Pole	----- •
Exist. Joint Use Pole	----- •
Prop. Joint Use Pole	----- •
Telephone Pedestal	----- □
Cable TV Pedestal	----- □
Hydrant	----- ◇
Satellite Dish	----- ∩
Exist. Water Valve	----- ⊗
Sewer Clean Out	----- ⊕
Power Manhole	----- ⊕
Telephone Booth	----- ⊕
Water Manhole	----- ⊕
Light Pole	----- •
H-Frame Pole	----- •
Power Line Tower	----- ⊗
Pole with Base	----- □
Gas Valve	----- ◇
Gas Meter	----- ◇
Telephone Manhole	----- ⊕
Power Transformer	----- ⊕
Sanitary Sewer Manhole	----- ⊕
Storm Sewer Manhole	----- ⊕
Tank; Water, Gas, Oil	----- ○
Water Tank With Legs	----- ○
Traffic Signal Junction Box	----- ⊕
Fiber Optic Splice Box	----- ⊕
Television or Radio Tower	----- ⊗

Utility Power Line Connects to Traffic Signal Lines Cut Into the Pavement	----- TS TS
Water Line	----- = = = =
Sanitary Sewer	----- SS SS
Sanitary Sewer Force Main	----- FSS FSS
Gas Line	----- G G
Storm Sewer	----- S S
Power Line	----- P P
Telephone Cable	----- T T
U/G Telephone Conduit	----- TC TC
Unknown Utility	----- ?UTL ?UTL
Television Cable	----- TV TV
Fiber Optics Cable	----- FO FO
Exist. Water Meter	----- ○
Drawn According to U/G Records	----- DATUR
Abandoned According to U/G Records	----- AATUR
End Of Information	----- E.O.I.

## BOUNDARIES & PROPERTIES

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Property Line Symbol	----- PL
Exist. Iron Pin	----- ⊕
Property Corner	----- +
Property Monument	----- ECM
Property Number	----- 123
Parcel Number	----- 6
Fence Line	----- X X X X NW & ISBW
Existing Wetland Boundaries	----- WLB
Proposed Wetland Boundaries	----- WLB
Existing Endangered Animal Boundaries	----- EAB
Existing Endangered Plant Boundaries	----- EPB

## BUILDINGS & OTHER CULTURE

Buildings	----- ⊕
Foundations	----- ⊕
Area Outline	----- ⊕
Gate	----- ⊕
Gas Pump Vent or U/G Tank Cap	----- •
Church	----- ⊕
School	----- ⊕
Park	----- ⊕
Cemetery	----- ⊕
Dam	----- ⊕
Sign	----- ⊕
Well	----- ⊕
Small Mine	----- ⊕
Swimming Pool	----- ⊕

## TOPOGRAPHY

Loose Surface	----- ⊕
Hard Surface	----- ⊕
Change in Road Surface	----- ⊕
Curb	----- ⊕
Right of Way Symbol	----- R/W
Guard Post	----- ⊕ GP
Paved Walk	----- ⊕
Bridge	----- ⊕
Box Culvert or Tunnel	----- ⊕
Ferry	----- ⊕
Culvert	----- ⊕
Footbridge	----- ⊕
Trail, Footpath	----- ⊕
Light House	----- ⊕

## VEGETATION

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

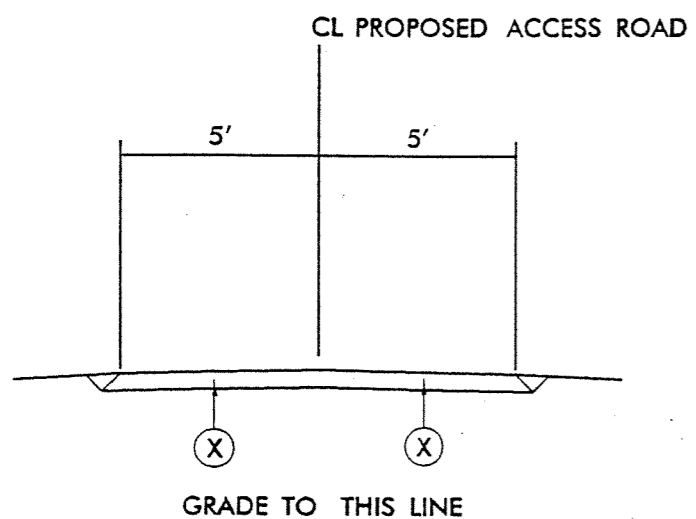
## RAILROADS

Standard Gauge	----- ⊕
RR Signal Milepost	----- ⊕
Switch	----- ⊕

PAVEMENT SCHEDULE

X	INCIDENTAL STONE BASE (AS DIRECTED BY ENGINEER)
---	---

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



### TYPICAL SECTION NO. 1

# NCDOT MARSH MITIGATION SITE

(NOT TO SCALE)

U-2101 WM	Z
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HWY 172

Detailed description: The site plan shows a dashed line for HWY 172 running from the top left towards the top right. A 'PROPOSED DRIVE' is shown as a dashed line starting from the bottom center, crossing the waterway, and heading towards a 'SPOIL AREA' located between the highway and the waterway. The 'INTRACOASTAL WATERWAY' is shown as a wide channel at the bottom of the plan. Two 'SIGHT' triangles are indicated by dashed lines forming a triangle on the road between the proposed drive and the highway.

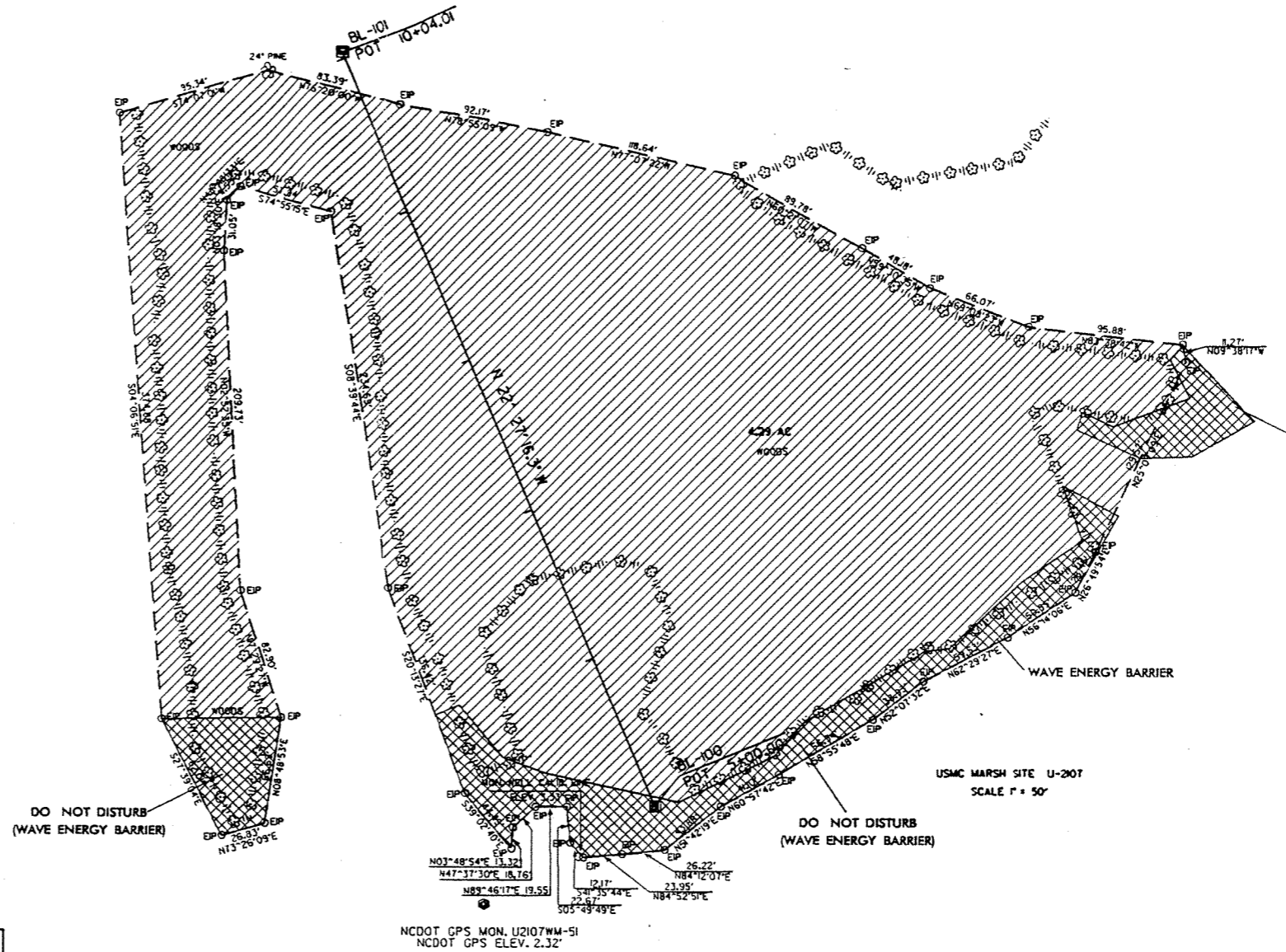
SPOIL AREA

SIGHT

PROPOSED DRIVE

INTRACOASTAL WATERWAY

ITEM NO.	NO.	ITEM DESCRIPTION	QUANTITY
DESC. NO.	SECT. NO.		AND UNIT
6	200	SUPPLEMENTARY CLEARING AND GRUBBING	1 AC
22	SP	FABRIC FOR SOIL STABILIZATION	800 YD2
580	545	INCIDENTAL STONE BASE	300 TON
	226	GRADING	LS
1090	1605	TEMPORARY SILT FENCE	100 LF
1101	1610	STONE FOR EROSION CONTROL, CLASS B	10 TON
42	1630	SILT EXCAVATION	100 YD3
	SP	COIR FIBER MATTING	225 YD2
1099	1610	SEDIMENT CONTROL STONE	10 TON
1110	SP	FLOATING TURBIDITY CURTAIN	60 YD2
1064	1660	SEEDING AND MULCHING	5 AC



**DATUM DESCRIPTION**

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "U2107WM-51"

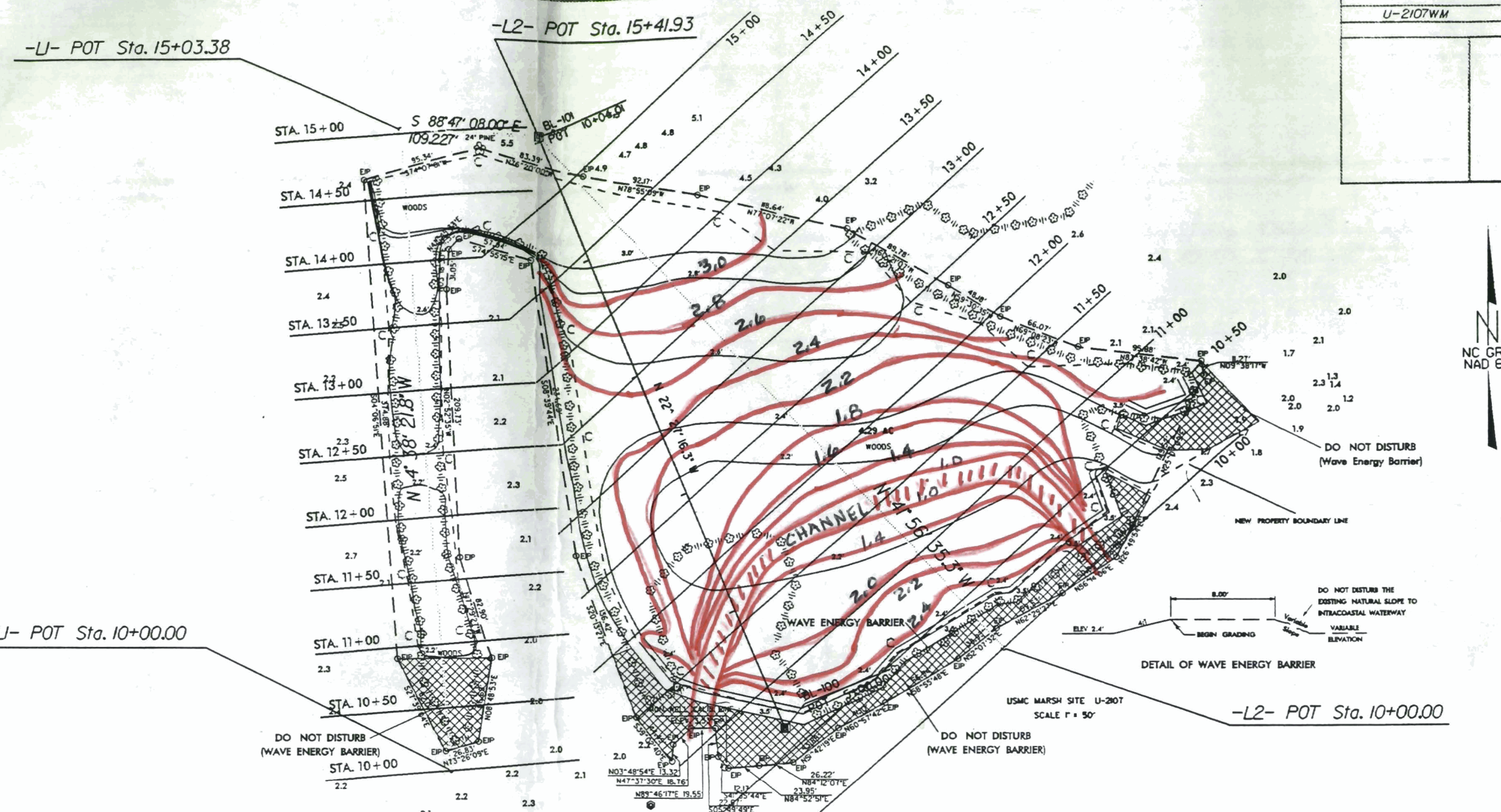
WITH NAD 83 STATE PLANE GRID COORDINATES OF  
NORTHING: 299138.4700(1) EASTING: 2513779.7720(1)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT  
(GROUND TO GRID) IS 0.99994609

THE N.C. LAMBERT GRID BEARING  
LOCALIZED HORIZONTAL GROUND DISTANCE FROM  
"U2107WM-51" TO -LI- STATION 10+00 IS  
157.9662' N 79 59' 10.70" W

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES  
VERTICAL DATUM USED IS NGVD 29

PLAN VIEW SHOWING LIMITS OF OPERATIONS



**DATUM DESCRIPTION**

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "U2107WM-61" WITH NAD 83 STATE PLANE GRID COORDINATES OF NORTHING: 299128.6700(4) EASTING: 211379.7720(4) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99994509 THE N.C. LAMBERT GRID BEARING LOCALIZED HORIZONTAL GROUND DISTANCE FROM "U2107WM-61" TO -L1- STATION 10+00 IS 157.9663' N 79 69 18.78" W ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NGVD 29

**AS-BUILT CONTOURS**

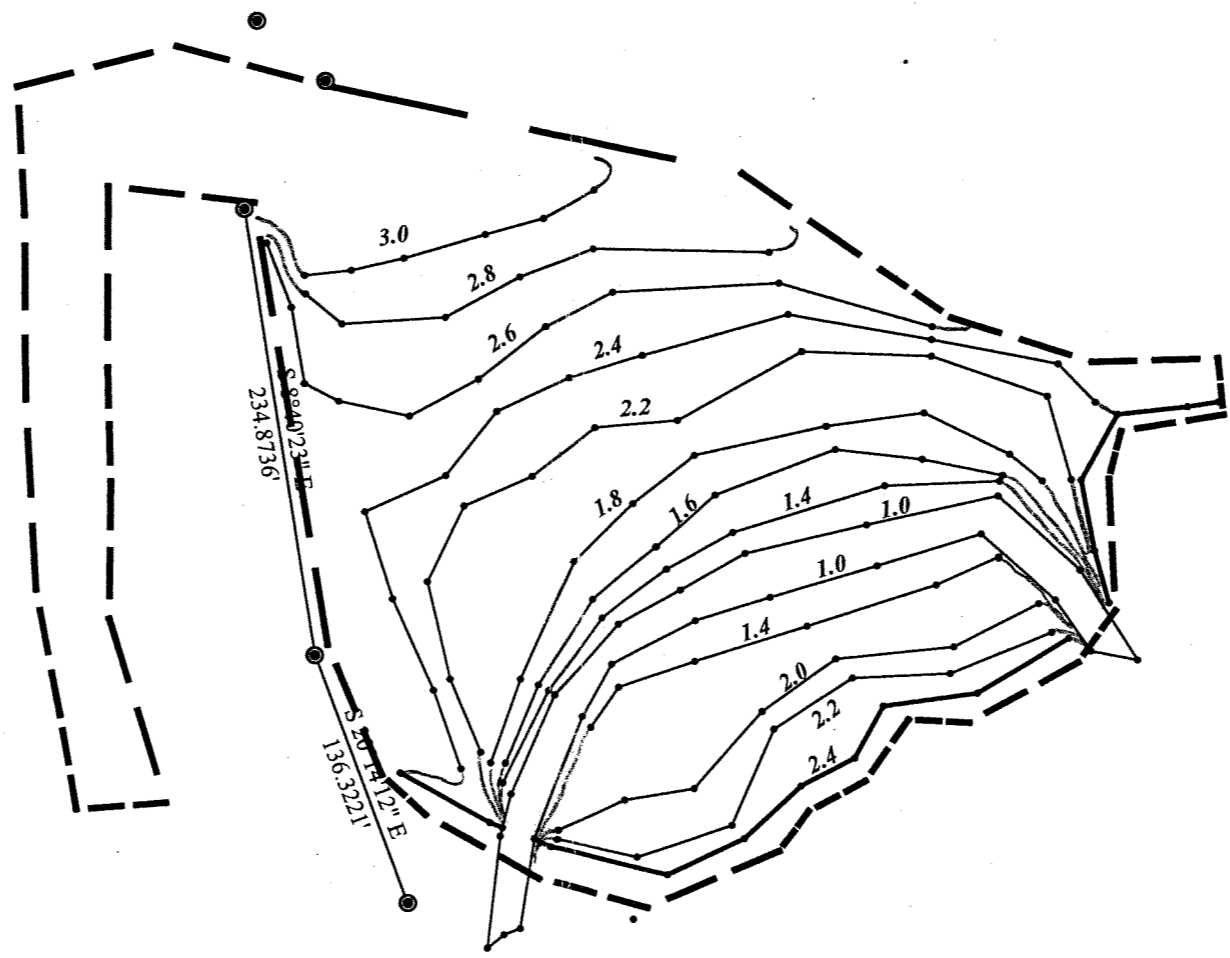
**SUMMARY OF EARTHWORK**

LOCATION	EXCAVATION (CU. YDS.)	EMBANKMENT +% (CU.YDS.)	BORROW (CU. YDS.)	WASTE (CU. YDS.)
-L1- STA. 10+89 TO 14+72	775			775
-L2- STA. 10+31 TO 15+00	8,439	4		8,435
<b>TOTAL:</b>	<b>9,214</b>	<b>4</b>		<b>9,210</b>
<b>SAY:</b>	<b>9,250</b>			

**USMC Marsh Site  
Onslow County, U-2107 WM  
CONCEPTUAL PLAN SHOWING  
PROPOSED CONTOURS**

Note: Approximate Quantities Only. Unclassified Excavation, Borrow Excavation, Clearing and Grubbing, Fine Grading and Removal of Existing Pavement will be paid for at the contract Lump Sum Price for "grading".

*ENF*  
*3-1-99*  
  
*3/4/99*



3.54 A-1  
EL. 2.2'  
3:1  
12+00.000

3.46 B-1  
EL. 2.2'  
4:1  
11+50.000

3.44  
EL. 2.2' A-1  
4:1  
11+00.000

3.07  
10+50.000

2.23  
10+00.000

Note: Approximate Quantities Only. Unclassified Excavation, Borrow, Excavation, Clearing and Grubbing, Fine Grading and Removal of Existing Pavement will be paid for at the contract Lump Sum Price for grading.

11/15/2011 10:11:11 AM

300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990 1000







4.7 4.88 4.7  
EL 3.00  
14+50.00

4.7 4.67 4.7  
EL 2.91  
14+00.00

4.7 4.36 4.7  
EL 2.71  
13+50.00

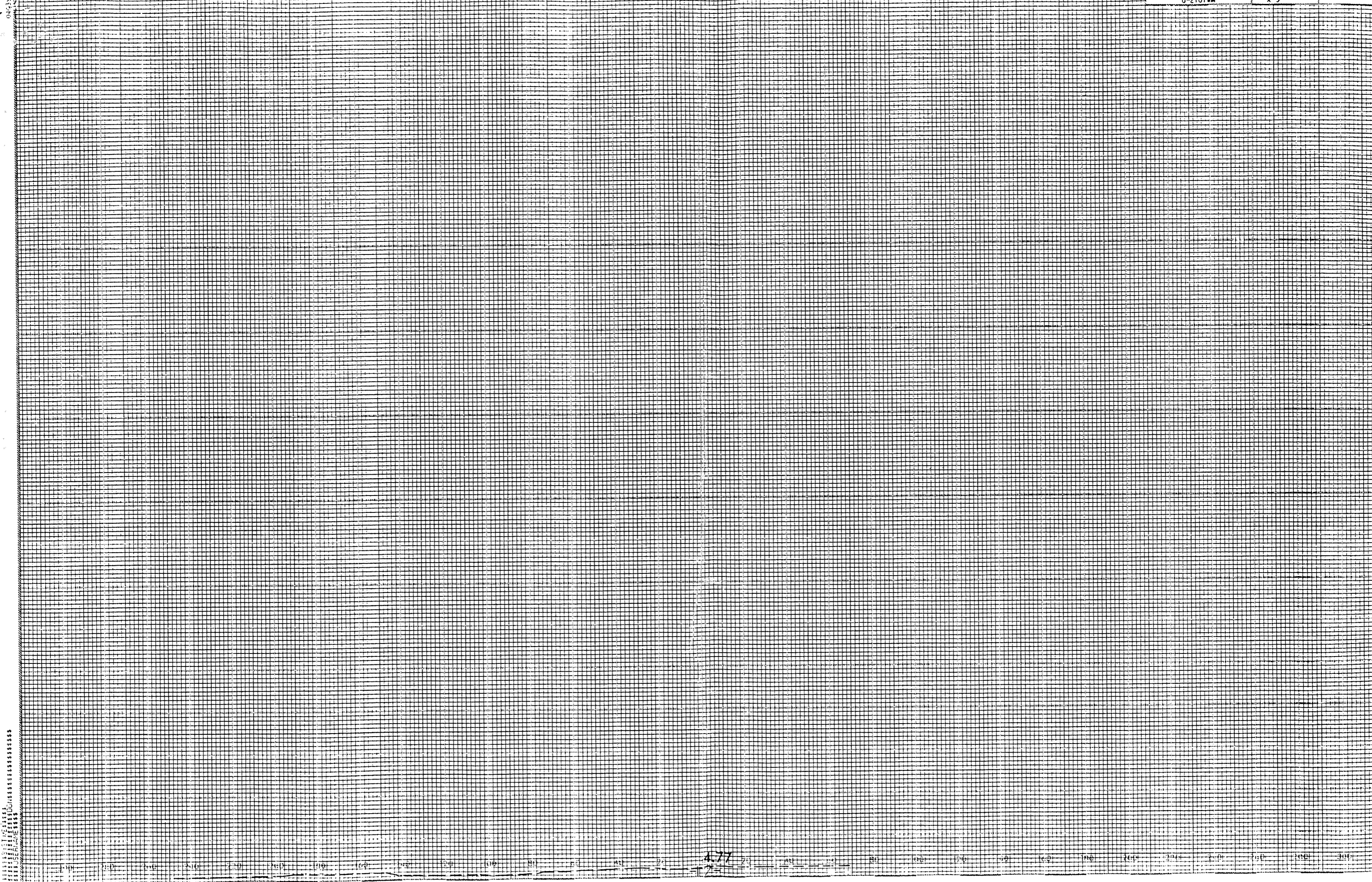
4.7 4.38 4.7  
EL 2.58  
13+00.00

4.7 4.43 4.7  
EL 2.44  
12+50.00

DATE: 11/20/11  
DRAWN BY: JMM  
CHECKED BY: JMM

20 300 600 900 1200 1500 1800 2100 2400 2700 3000 3300 3600 3900 4200 4500 4800 5100 5400 5700 6000 6300 6600 6900 7200 7500 7800 8100 8400 8700 9000 9300 9600 9900

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