STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	17BP.7.R.28	1	

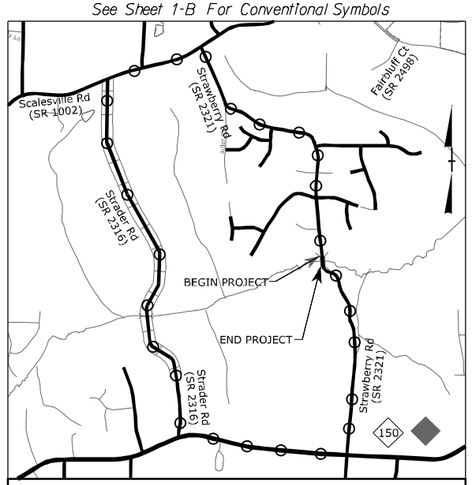
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

GUILFORD COUNTY

PROJECT: 17BP.7.R.28

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

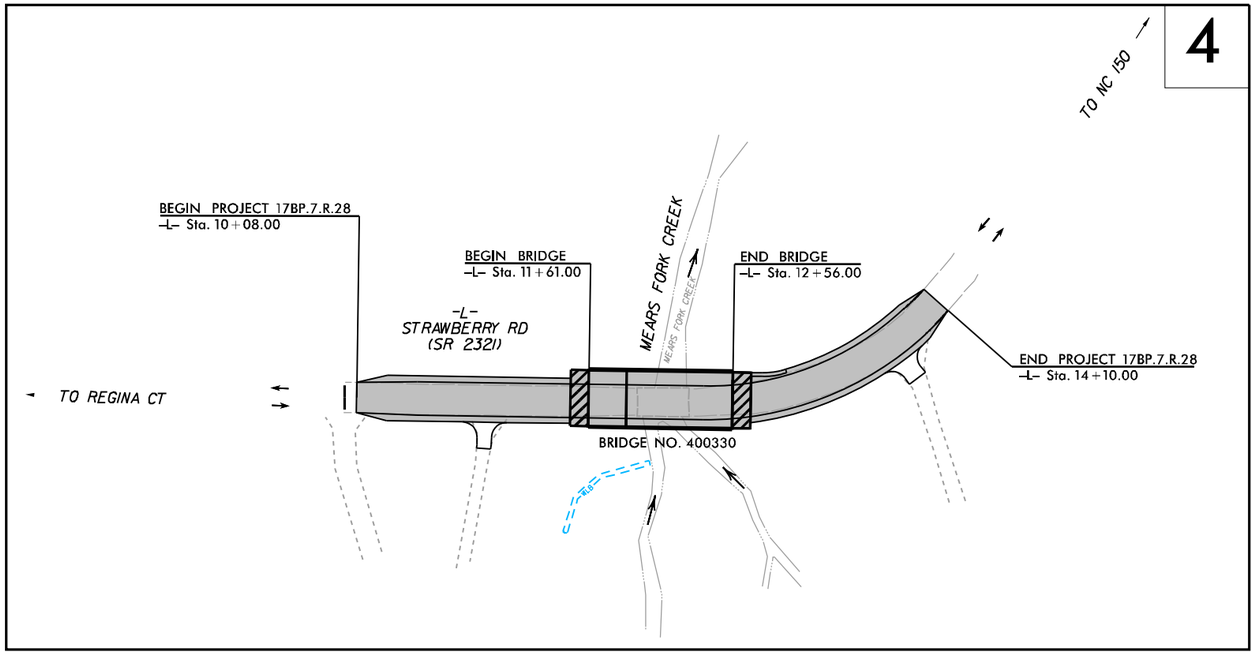


VICINITY MAP

OFF SITE DETOUR ROUTE

LOCATION: BRIDGE NO. 330 OVER MEARS FORK CREEK

TYPE OF WORK: GRADING, PAVING, DRAINAGE, AND STRUCTURE WETLAND IMPACTS PACKAGE



NC GRID
NAD 83/NSRS 2007

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II
THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.

NCDOT CONTACT:

TIM POWERS, P.E.
DIVISION BRIDGE PROGRAM MANAGER
DIVISION 7

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

CONTRACT:

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2/6/2013

GRAPHIC SCALES

50 25 0 50 100
PLANS

50 25 0 50 100
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

DESIGN DATA

ADT 2013 = 6630 VPD
ADT 2033 = 12250 VPD
DHV =
D =
T = 6%
V = 40 MPH

FUNC CLASS = LOCAL RURAL

SUB-REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY PROJECT	=	0.058 MILES
LENGTH STRUCTURE PROJECT	=	0.018 MILES
TOTAL LENGTH OF PROJECT	=	0.076 MILES

PLANS PREPARED FOR THE NCDOT BY:

Kimley-Horn and Associates, Inc.
© , 2012
Post Office Box 33068
Raleigh, North Carolina 27636
PE NO. F-0102

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:
MAY 21, 2013

JEFFREY W. MOORE, P.E.
PROJECT ENGINEER

ELIZABETH LYNCH, P.E.
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: *P.E.*

ROADWAY DESIGN ENGINEER

SIGNATURE: *P.E.*

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

LAKE BRANDT QUADRANGLE
NORTH CAROLINA
TOPOGRAPHIC SERIES

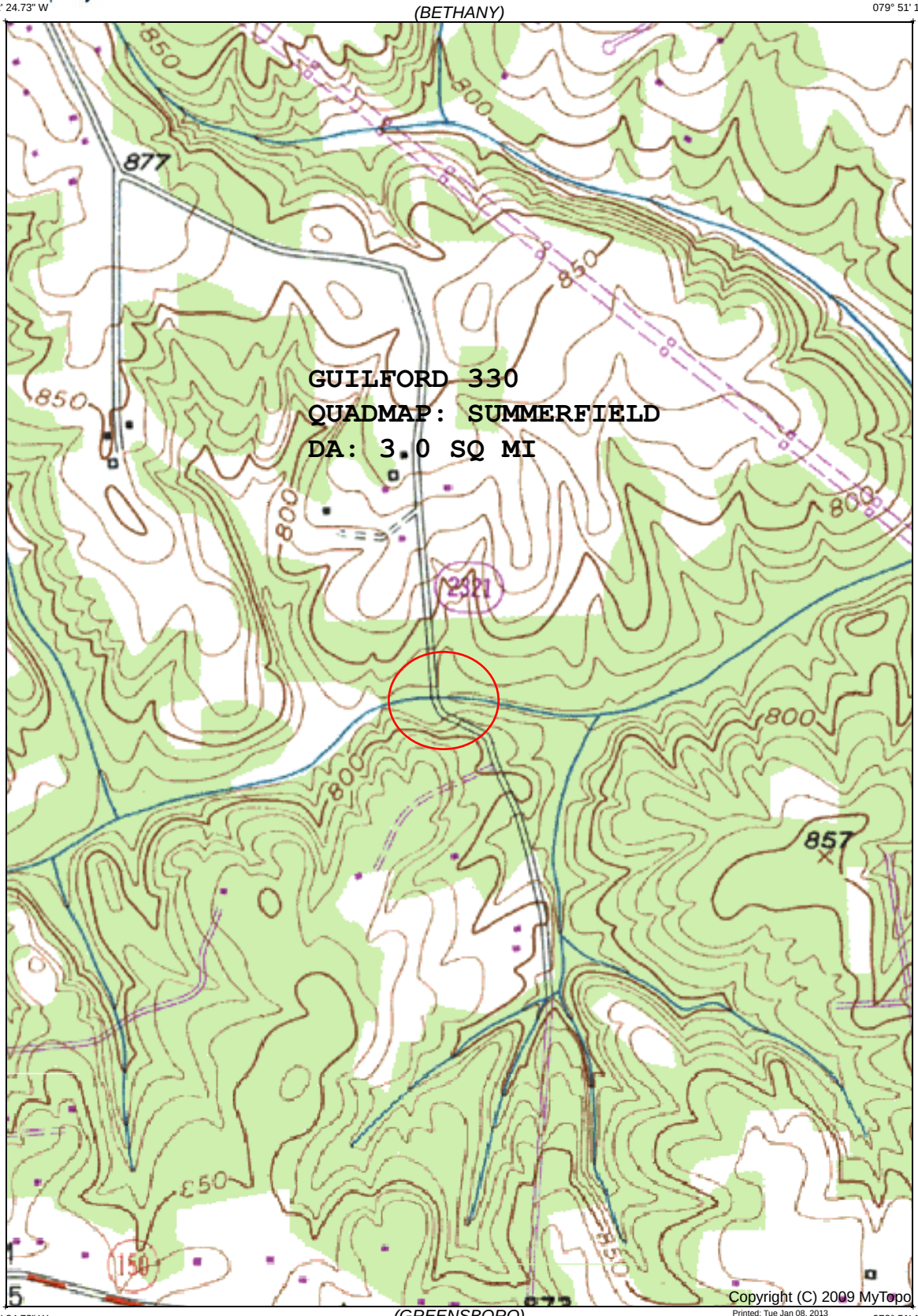
(ELLISBORO) (BETHANY) (REIDSVILLE)

079° 52' 24.73" W
036° 13' 15.27" N

079° 51' 11.44" W
036° 13' 15.27" N

(SUMMERFIELD)

(BROWNS SUMMIT)



036° 11' 51.49" N
079° 52' 24.73" W

(GREENSBORO)

036° 11' 51.49" N
079° 51' 11.44" W

(GUILFORD)

(MC LEANSVILLE)

Declination

MN GN

GN 0.67° E
MN 8.14° W

SCALE 1:12000

0.0 0.1 0.2 0.3 0.4 0.5
MILES

0 100 200 300 400 500 600 700 800 900
YARDS

0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8
KILOMETERS

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM 1929

Produced by MyTopo Terrain Navigator
Topography based on USGS 1:24,000 Maps

North American 1983 Datum (NAD83)
Lambert Conformal Conic Projection

To place on the predicted North American 1927 move the projection lines 15M N and 22M E

LAKE BRANDT, NC
1951

OWNER'S NAME	ADDRESS
(1) KENNETH D.MILLER	7420 STRAWBERRY RD SUMMERFIELD,NC 27538
(2) MATTHEW W.DEVANEY	7503 STRAWBERRY RD. SUMMERFIELD,NC 27538
(3) MICHAEL HOUSTON HARRISON	7475 STRAWBERRY RD. SUMMERFIELD,NC 27538

PROPERTY OWNER NAME AND ADDRESS 17BP.7.R.28

NCDOT
DIVISION OF HIGHWAYS
GUILDFORD COUNTY

PROJECT: 17BP.7.R.28
BRIDGE NO. 400330 OVER
MEARS FORK CREEK
ON SR 2321 (STRAWBERRY ROAD)

01/28/13

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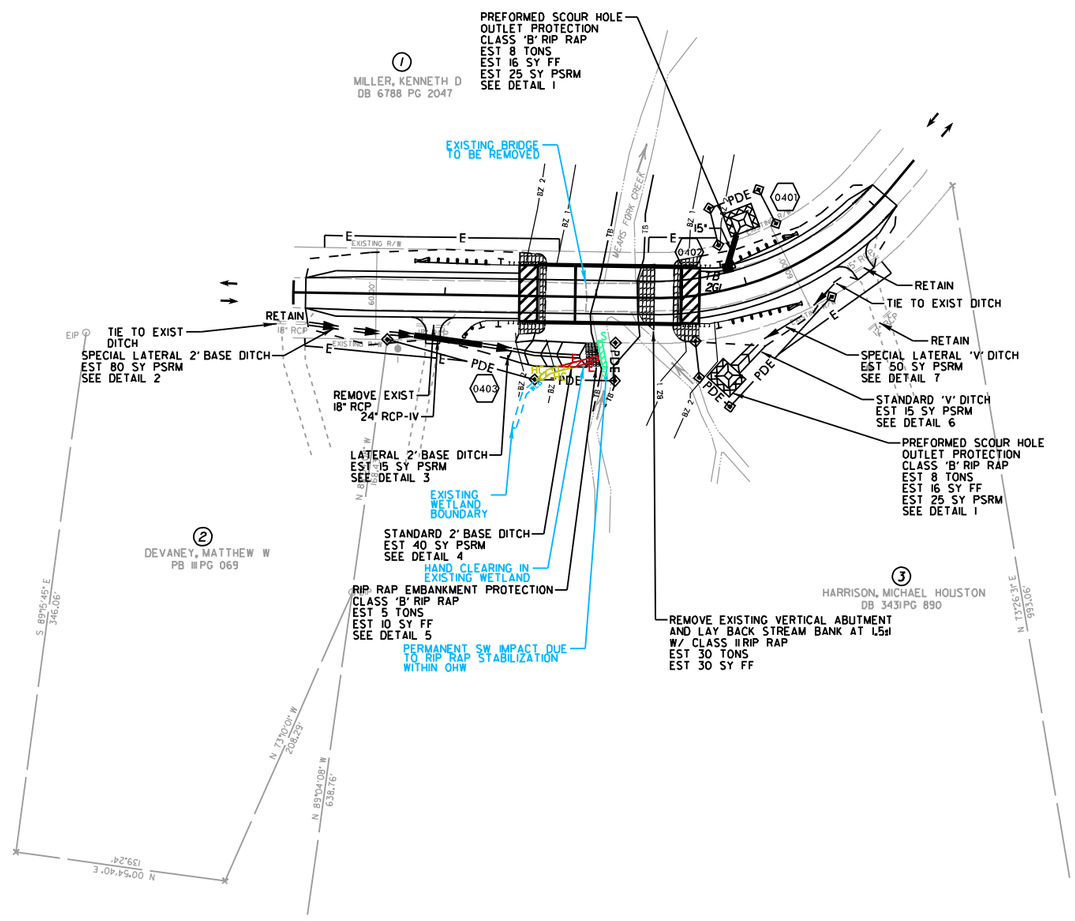
1/29/2013

N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
GUILFORD COUNTY

PROJECT: 17BP.7.R.28 (400330)
BRIDGE NO. 330 ON SR 2321
OVER
MEARS FORK CREEK
DATE: 2/6/2013

TS / TS	DENOTES TEMPORARY IMPACTS IN SURFACE WATER (0 LF)
S / S	DENOTES PERMANENT IMPACTS IN SURFACE WATER (17 LF)
E / E	DENOTES EXCAVATION IN WETLAND (<0.01 AC)
HC / HC	DENOTES HAND CLEARING IN WETLAND (<0.01 AC)

EXISTING BRIDGE = 34' x 19'
PROPOSED BRIDGE = 95' x 39'



NC GRID
NAD 83/NSRS 2007

50 0 100

Kimley-Horn and Associates, Inc.
P.O. BOX 33068
RALEIGH, N.C. 27636-3068

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO.	SHEET NO.
17BP.7.R.28	
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS

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2/6/2013

PROJECT REFERENCE NO.	SHEET NO.
17BP.7.R.28	
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Kimley-Horn and Associates, Inc.

P.O. BOX 33068
RALEIGH, N.C. 27636-3068

RIGHT-OF-WAY REV.

CONST. REV.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
GUILFORD COUNTY

PROJECT: 17BP.7.R.28 (400330)
BRIDGE NO. 330 ON SR 2321
OVER
MEARS FORK CREEK
DATE: 2/6/2013

TS / TS	DENOTES TEMPORARY IMPACTS IN SURFACE WATER (0 LF)
S / S	DENOTES PERMANENT IMPACTS IN SURFACE WATER (17 LF)
E / E	DENOTES EXCAVATION IN WETLAND (<0.01 AC)
HC / HC	DENOTES HAND CLEARING IN WETLAND (<0.01 AC)

EXISTING BRIDGE = 34' x 19'
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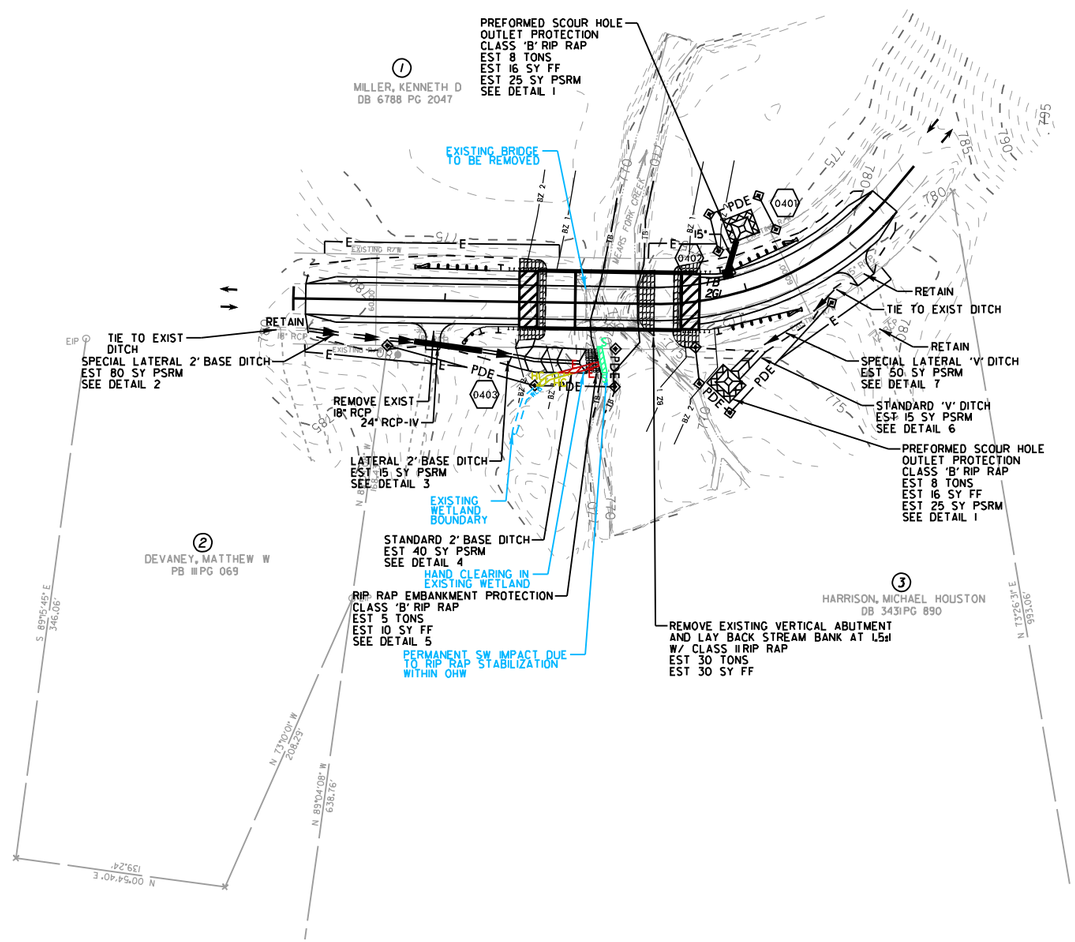
NC GRID
NAD 83/NSRS 2007



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REVISIONS

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2/6/2013

PROJECT REFERENCE NO.	SHEET NO.
17BP.7.R.28	

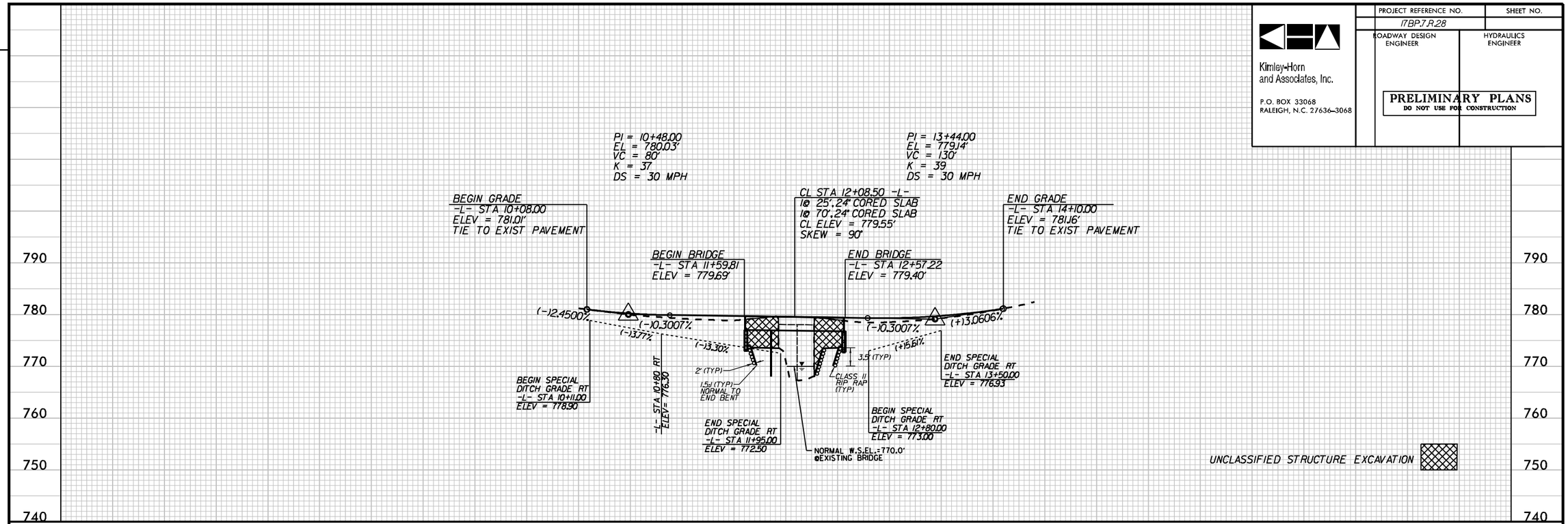
Kimley-Horn and Associates, Inc.

P.O. BOX 33068
RALEIGH, N.C. 27636-3068

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION



REVISIONS

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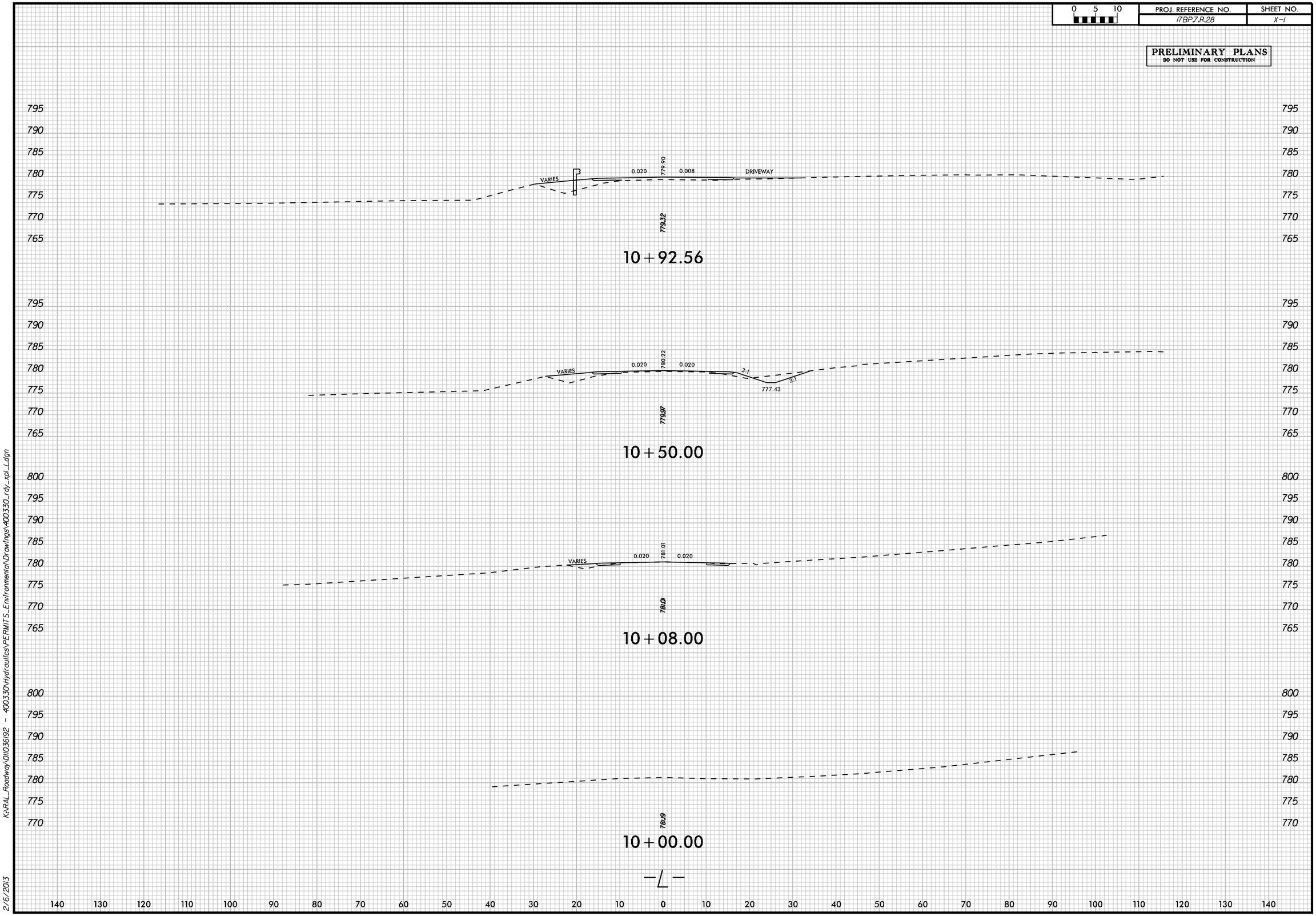
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	17BP.7.R.28	X-1

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION



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2/6/2013

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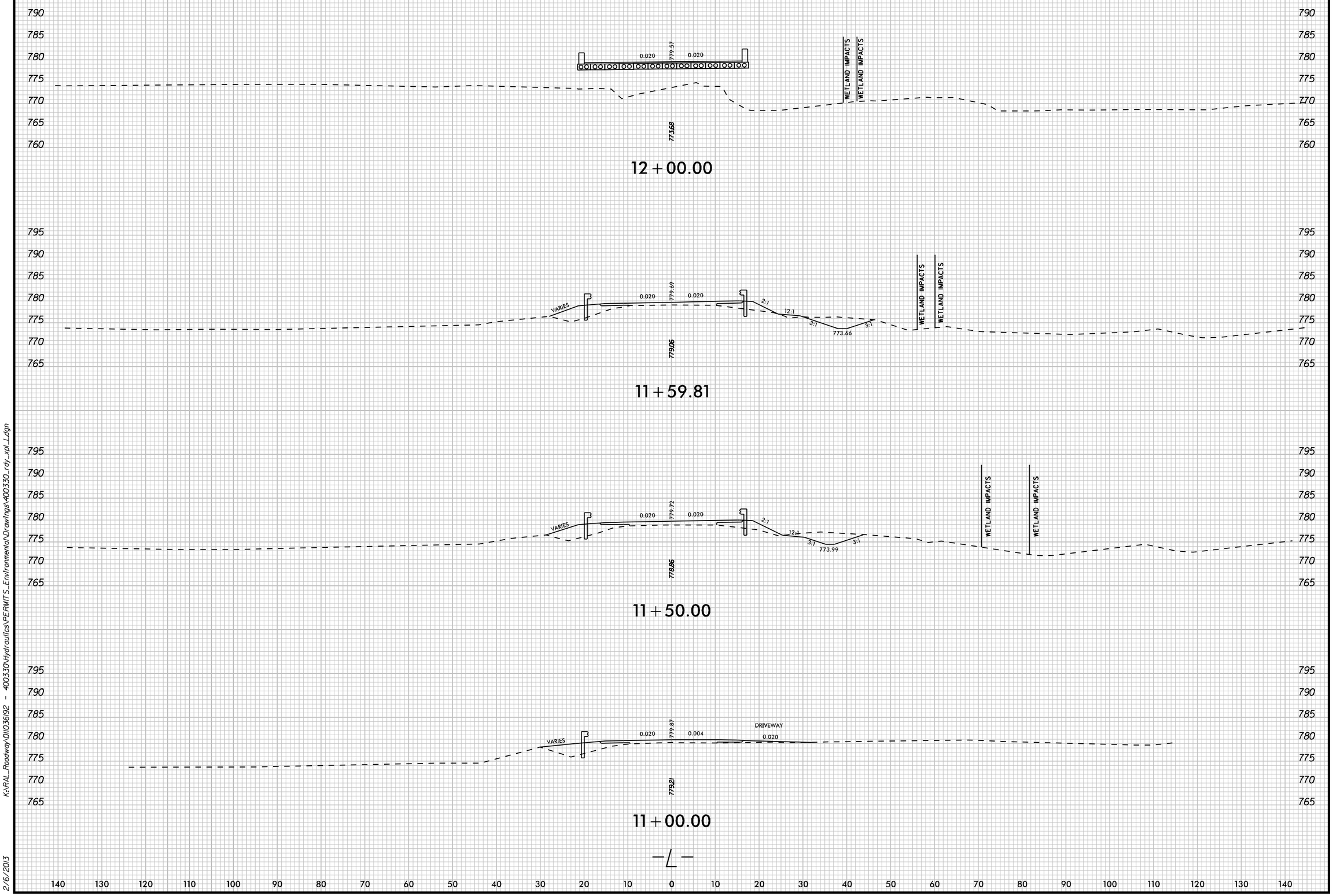
	17BP.7.R.28	X-2



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2/6/2013

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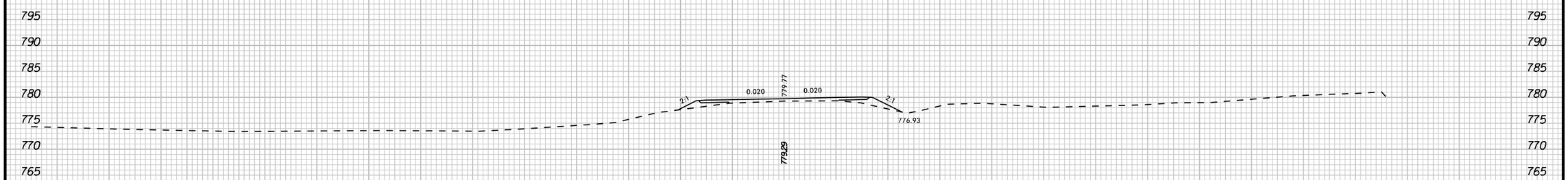
	17BP.7.R.28	X-3



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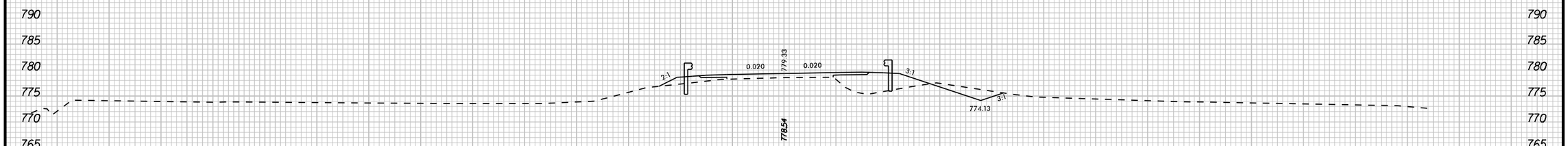

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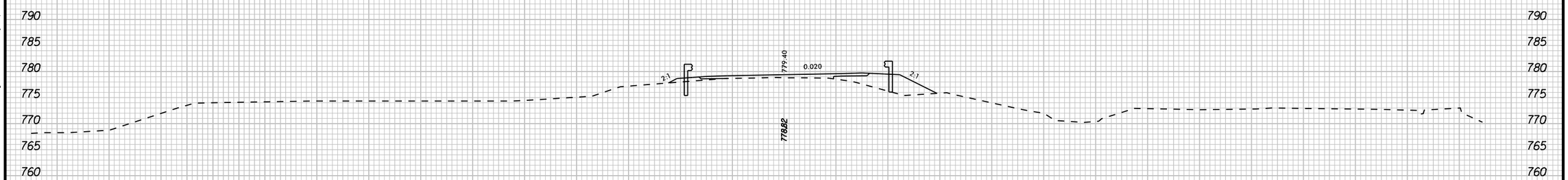

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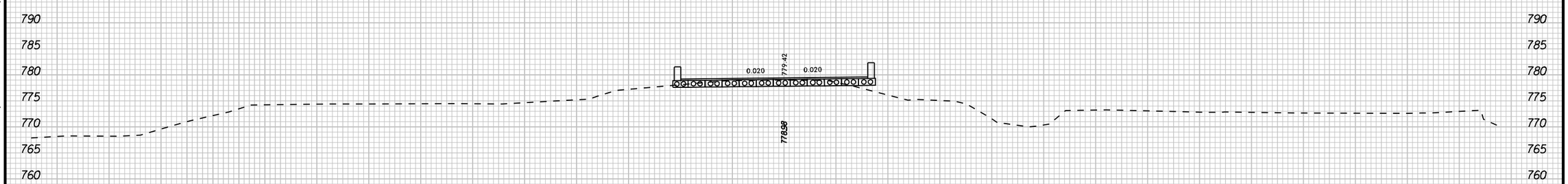

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2/6/2013

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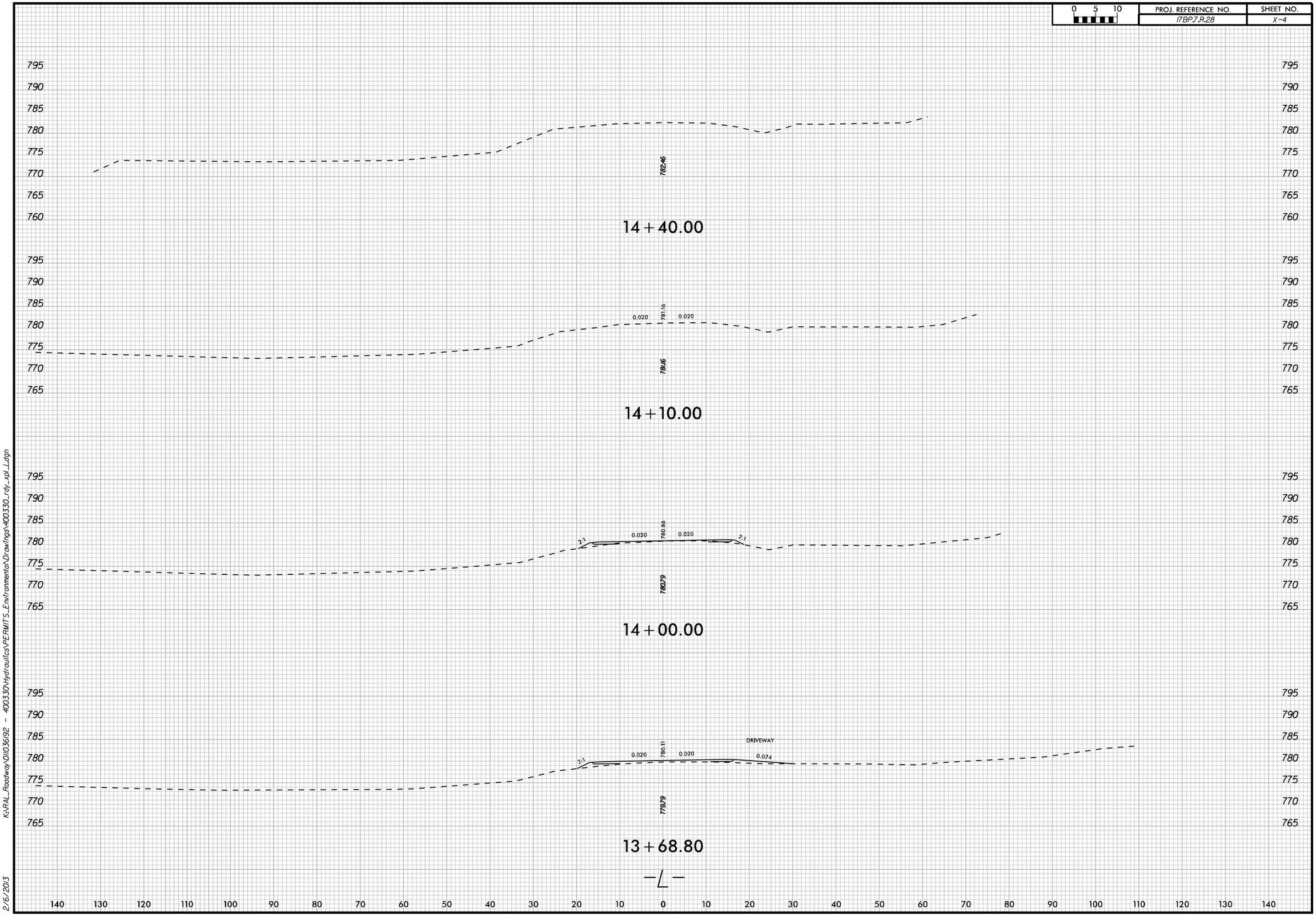

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2/6/2013