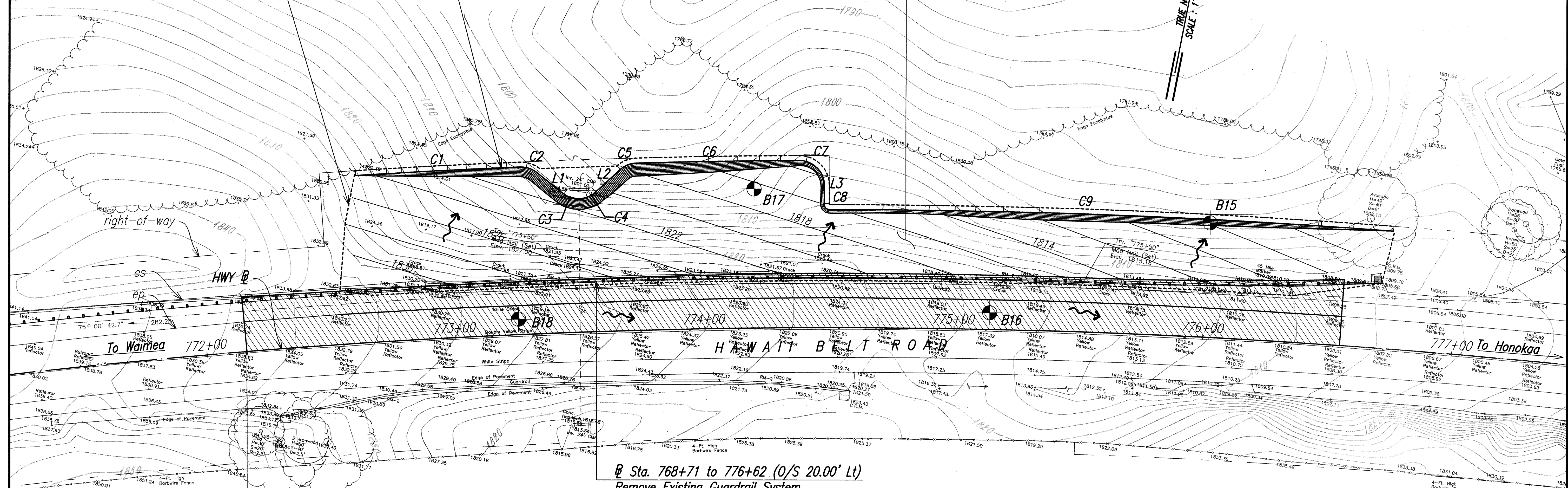


Limits of Grading,
Limits of Clearing and Grubbing,
and Limits of Hydro-mulch Seeding

Geocell System

Hydro-mulch Seeding

TRUE NORTH
SCALE: 1" = 20'



Sta. 772+16 To 776+55
Reconstruct Pvmnt, Match Exist Adjacent Grades
to Provide Smooth Riding Connection, Restore
all Pvmnt Markings

Sta. 768+71 to 776+62 (O/S 20.00' Lt)
Remove Existing Guardrail System,
Construct New Guardrail System
Type Strong Post W-Beam,
Install New End Anchorages Modified Type A
at Both Ends (Incidental to Guardrail System)

Geocell Controls (along bottom of Geocell System)

Line No.	Length	Azimuth	Curve No.	Length	Delta	Radius	Tangent	Chord
L1	13.56'	117°50'17.17"	C1	65.97'	001°17'19.92"	2932.79'	32.99'	65.97'
L2	13.56'	036°10'14.78"	C2	7.21'	041°17'27.94"	10.00'	3.77'	7.05'
L3	7.98'	168°58'26.00"	C3	14.25'	081°40'02.39"	10.00'	8.64'	13.08'
			C4	14.25'	081°40'02.39"	10.00'	8.64'	13.08'
			C5	7.21'	041°17'27.94"	10.00'	3.77'	7.05'
			C6	65.36'	001°16'36.76"	2932.79'	32.68'	65.36'
			C7	15.75'	090°14'06.53"	10.00'	10.04'	14.17'
			C8	3.08'	088°18'33.35"	2.00'	1.94'	2.79'
			C9	226.89'	004°27'46.76"	2912.79'	113.50'	226.83'

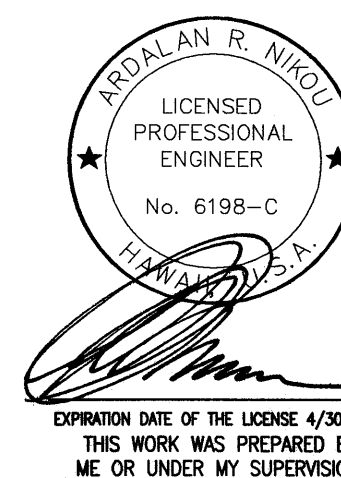
MP 45.0 SITE PLAN

Scale: 1"=20'

Notes:

- Provide pavement connection between all new pavements and existing adjacent pavements (not shown on site plan). See Pavement Connection Detail on sheet 21. This work shall be incidental to Pavement Reconstruction.
- Removal of Guardrail System shall include removal of all guardrail system components, including the posts, w-beams, terminal sections, end anchorages, and markers.

AECOM



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MP 45.0 SITE PLAN

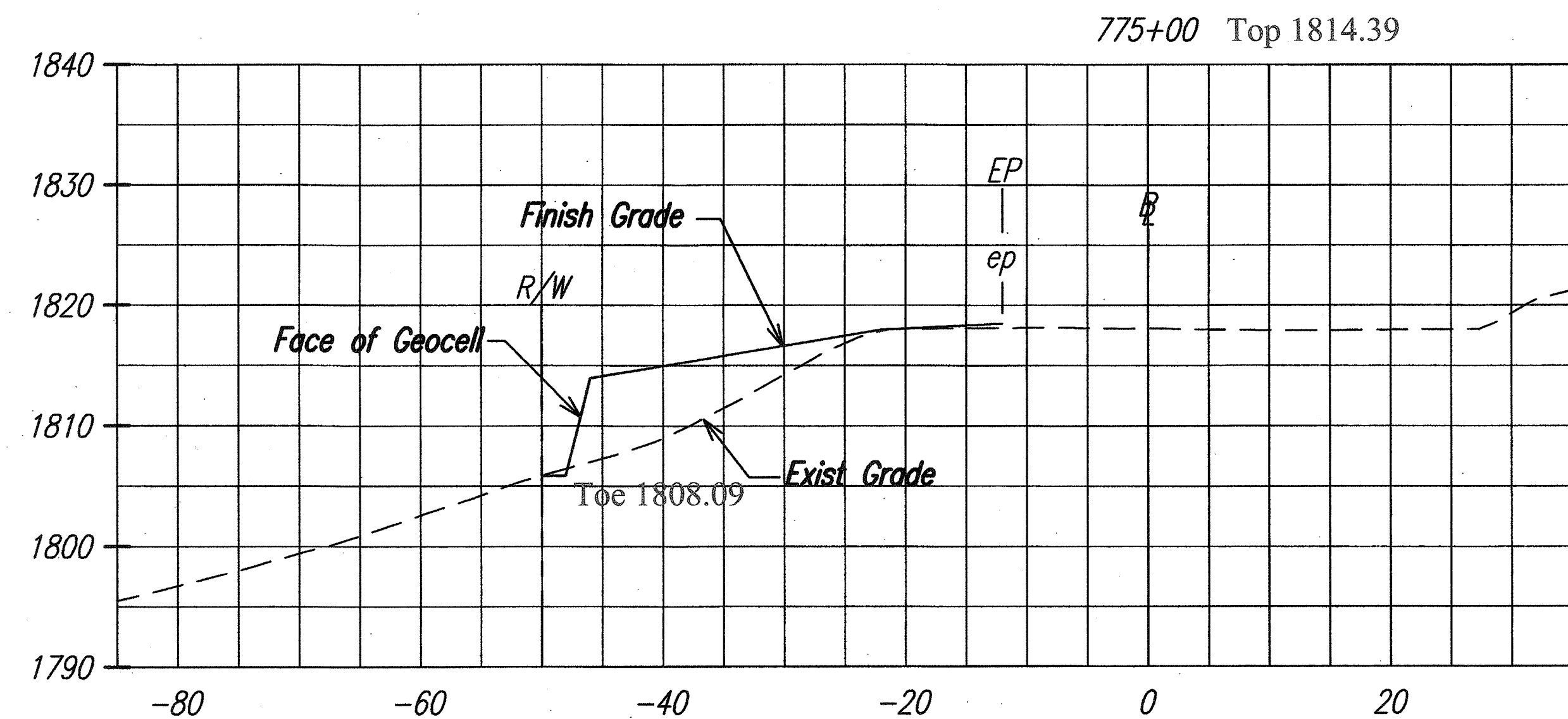
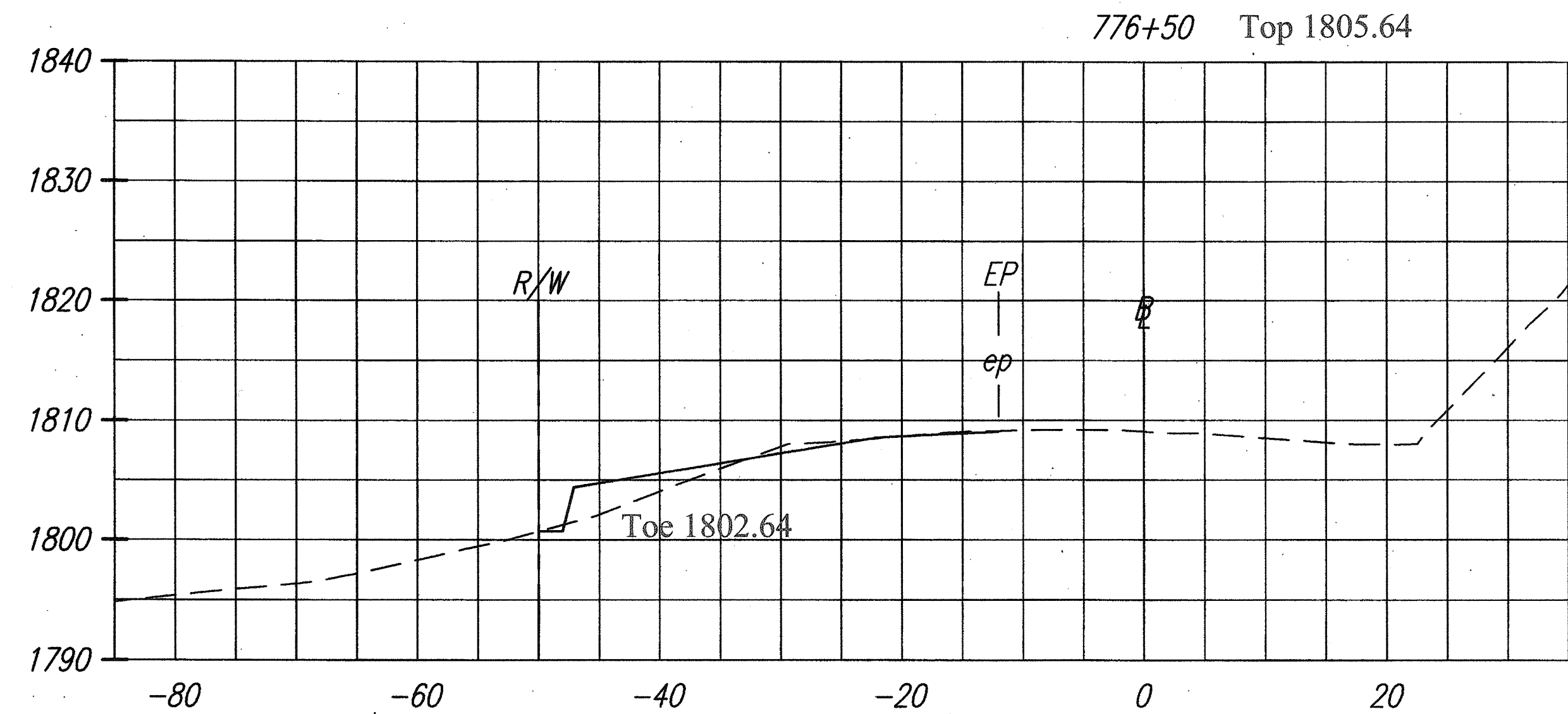
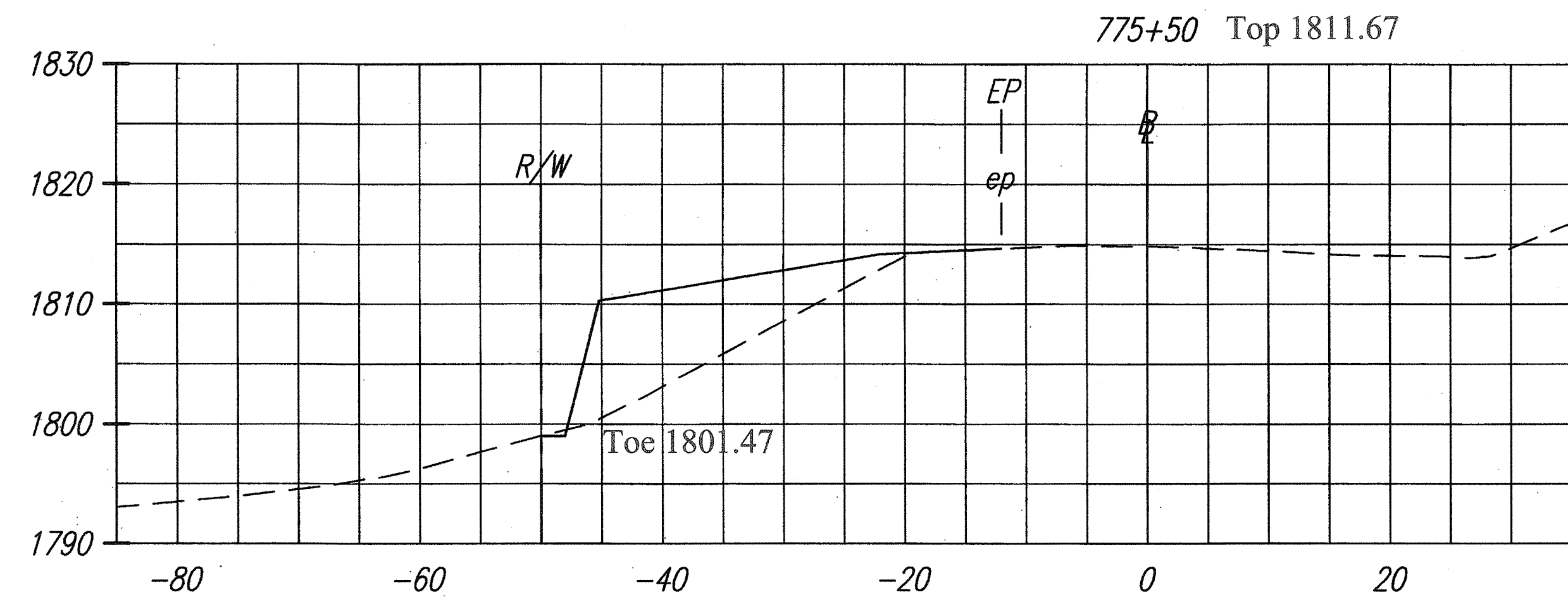
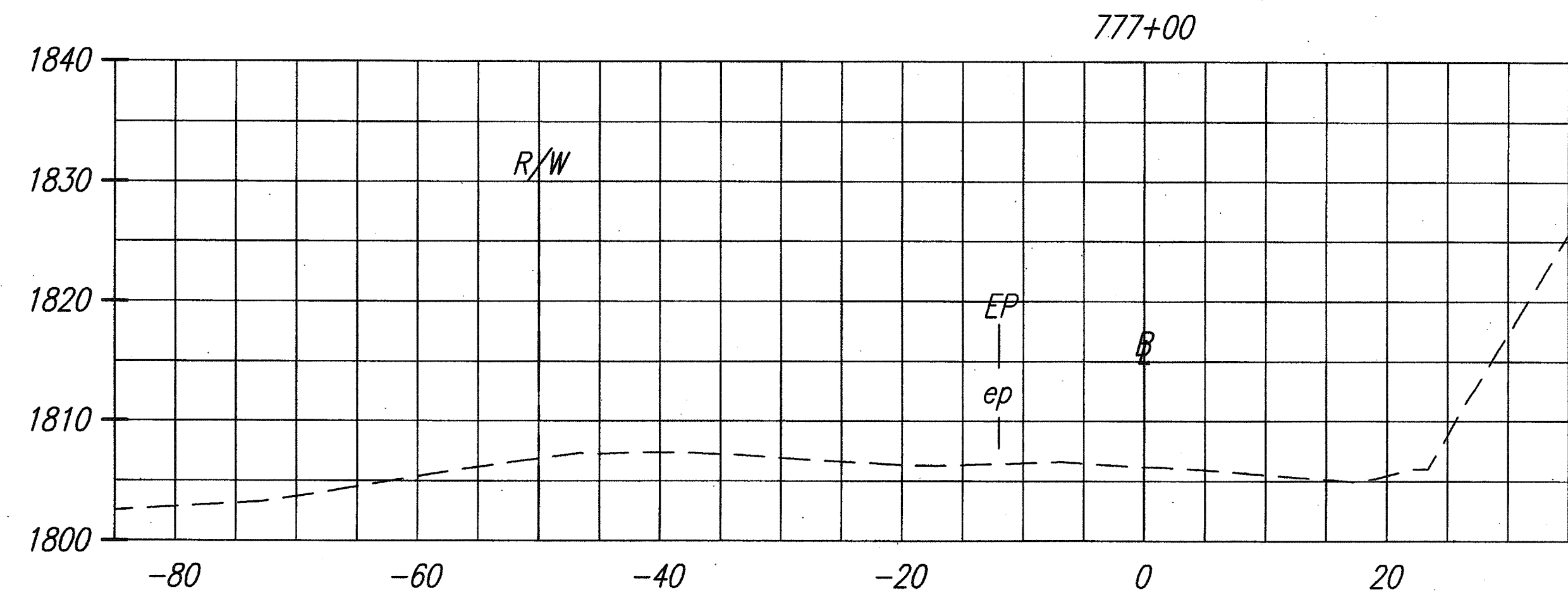
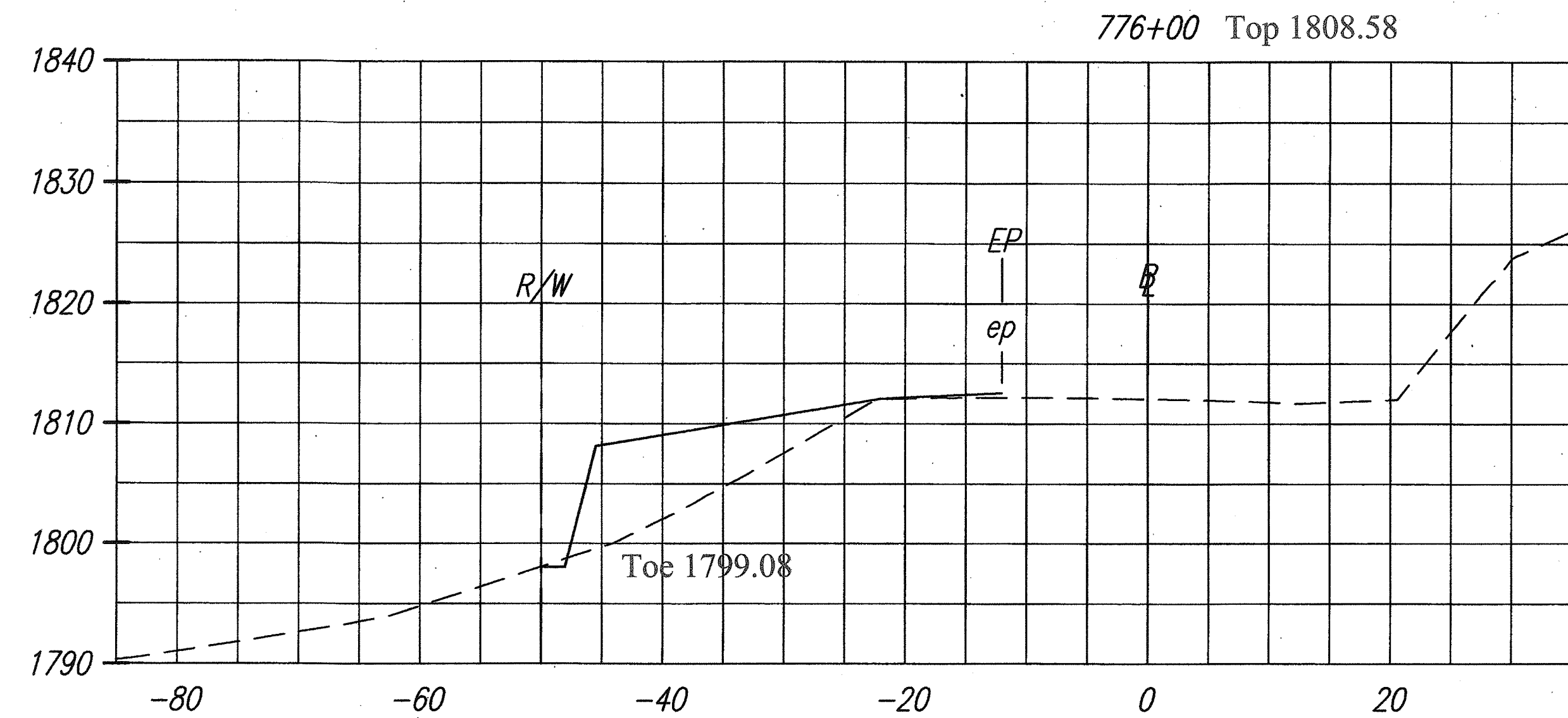
EMERGENCY EARTHQUAKE ROCKFALL REPAIRS
AT VARIOUS LOCATIONS

F.A. Project No. ER-15(21)

Scale: As Noted Date: December, 2009

SHEET No. 1 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(21)	2010	56	89



LEGEND FOR AS-BUILT POSTINGS

~~~~~ Squiggly line for as-built deletion

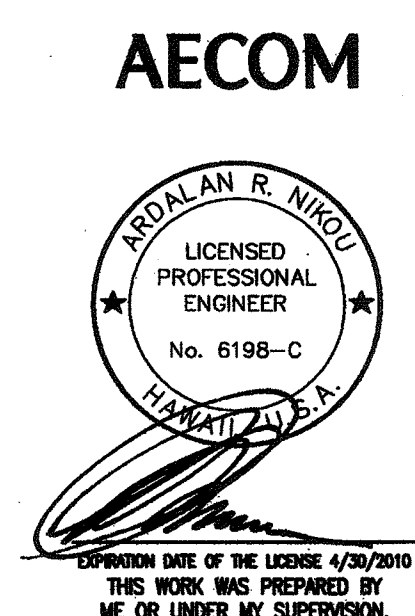
==00.00== Double line for as-built deletion

Roadway Text for as-built posting

**MP 45.0 CROSS SECTIONS**

Horiz. Scale: 1"=10'

Vert. Scale: 1"=10'



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**MP 45.0 CROSS SECTIONS**

**EMERGENCY EARTHQUAKE ROCKFALL REPAIRS**

**AT VARIOUS LOCATIONS**

**F.A. Project No. ER-15(21)**

Scale: As Noted Date: December, 2009

SHEET No. 4 OF 4 SHEETS

ORIGINAL DATE  
PLAN BY  
NOTE BOOK  
DESIGNED BY  
QUANTITIES BY  
CHECKED BY

PRINTED: 12/11/2009 10:00 AM  
PLOT DATE: 12/11/2009 10:00 AM  
PLOT TIME: 10:00 AM  
PLOT SIZE: 11x17 in

"AS-BUILT"