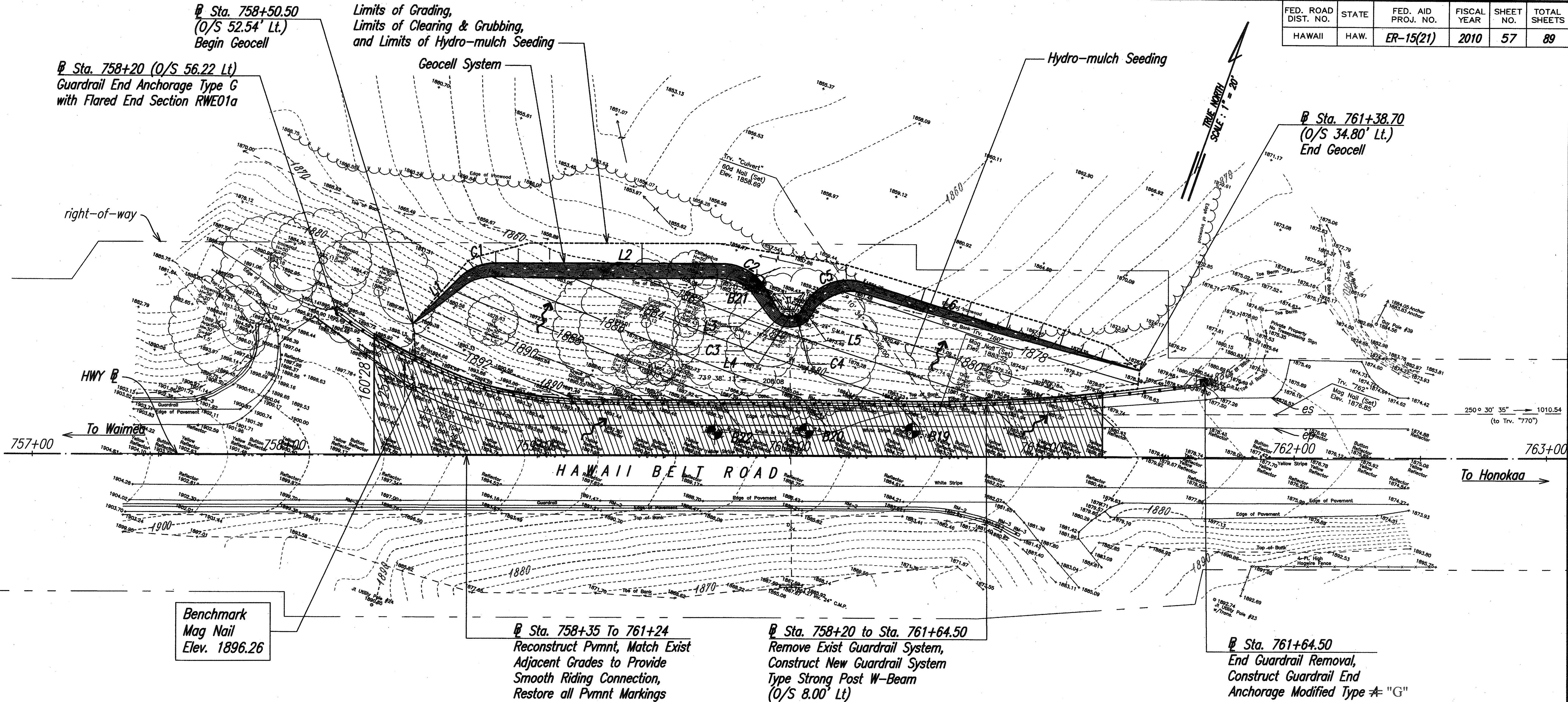


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(21)	2010	57	89



Geocell Controls (along bottom of Geocell System)								
Line No.	Length	Azimuth	Curve No.	Length	Delta	Radius	Tangent	Chord
L1	26.30'	205°48'00.00"	C1	15.71'	45°00'00.00"	20.00'	8.28'	15.31'
L2	89.75'	250°48'00.00"	C2	20.94'	60°00'00.00"	20.00'	11.55'	20.00'
L3	9.79'	310°48'00.00"	C3	5.24'	60°00'00.00"	5.00'	2.89'	5.00'
L4	0.54'	250°48'00.00"	C4	5.24'	60°00'00.00"	5.00'	2.89'	5.00'
L5	1.98'	189°22'18.91"	C5	27.61'	79°05'46.81"	20.00'	16.51'	25.47'
L6	115.12'	268°28'05.72"						

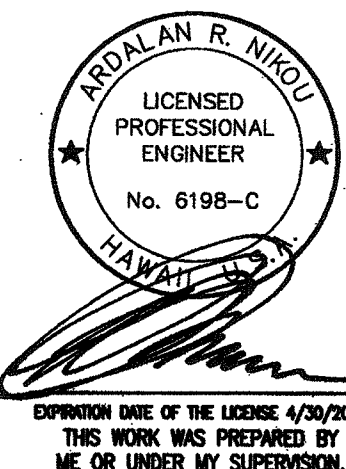
MP 45.3 SITE PLAN

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 45.3 SITE PLAN

**EMERGENCY EARTHQUAKE ROCKFALL REPAIRS
AT VARIOUS LOCATIONS**

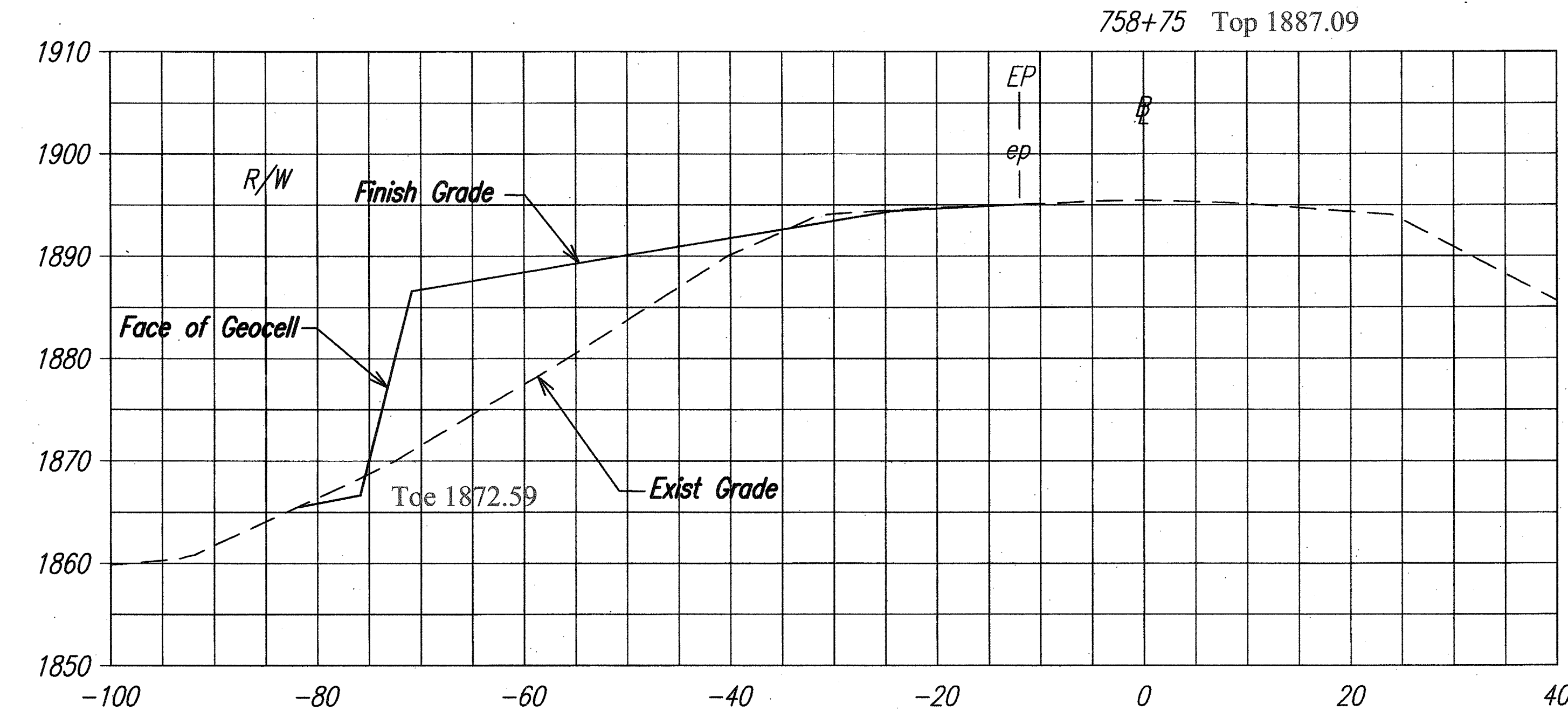
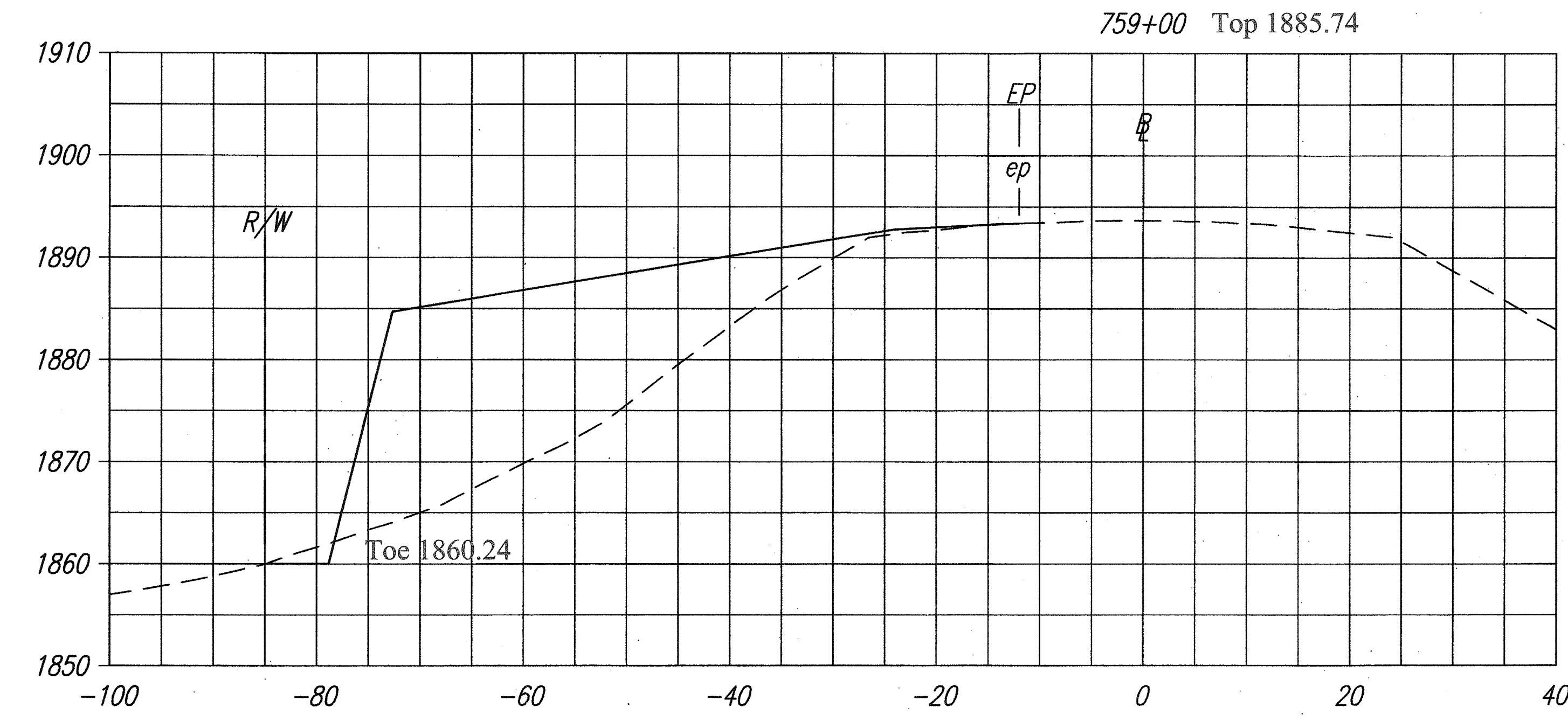
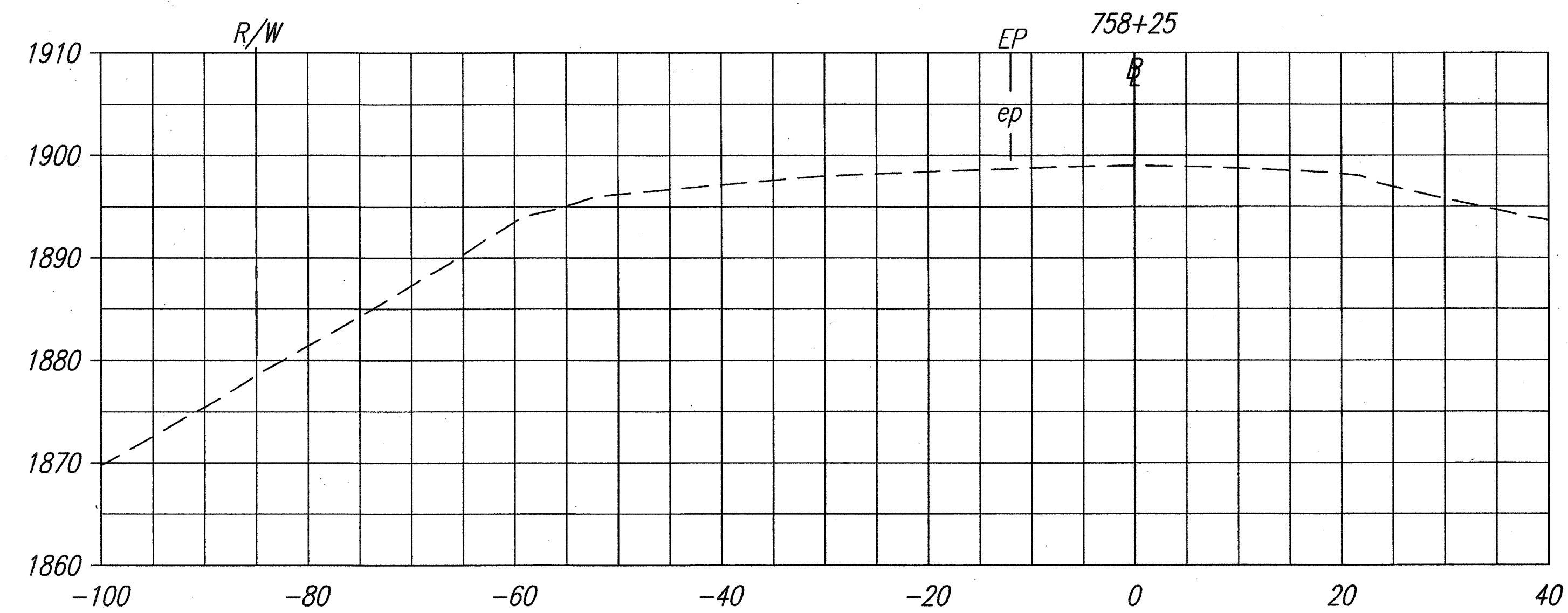
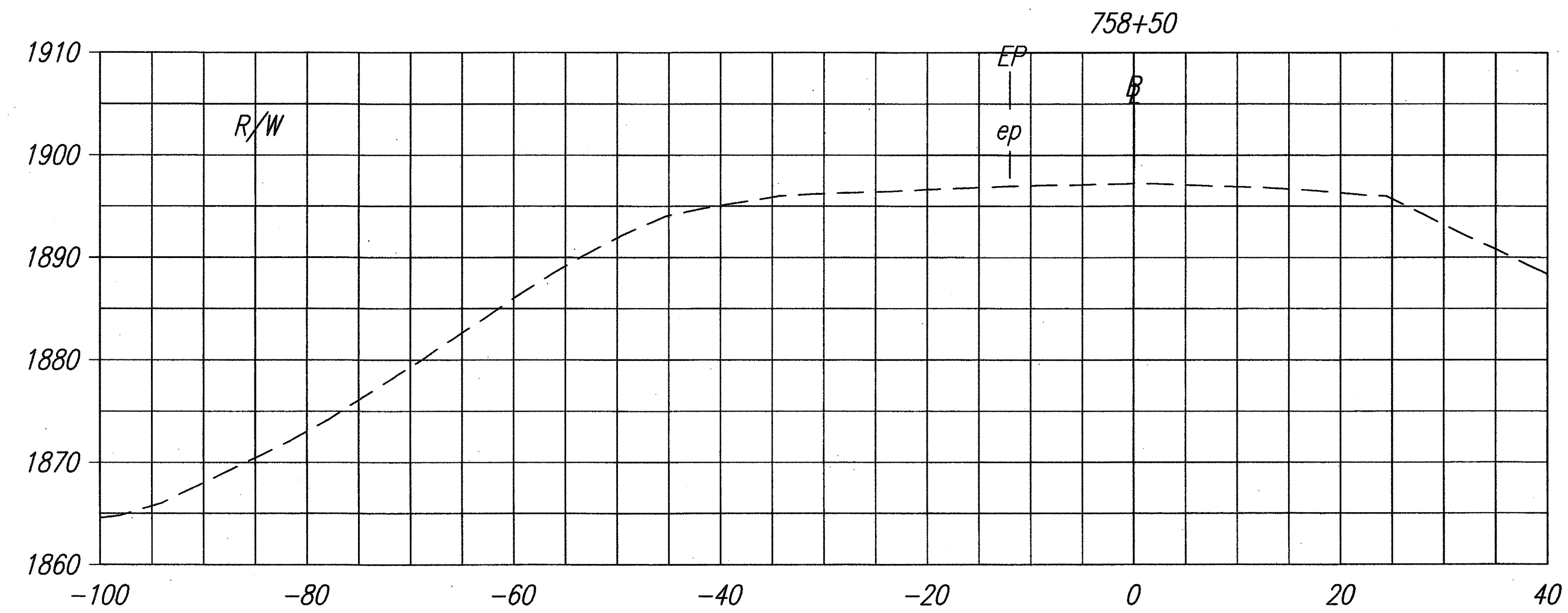
E.A. Project No. ER-15(21)

Scale: As Noted Date: December, 2009

SHEET No. 1 OF 5 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(21)	2010	59	89



LEGEND FOR AS-BUILT POSTINGS

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Roadway Text for as-built posting

**MP 45.3 CROSS SECTIONS**

Horiz. Scale: 1"=10'

Vert. Scale: 1"=10'

**AECOM**

AROLDAN R. NIKOU

LICENSED PROFESSIONAL ENGINEER

No. 6198-C

HAWAII

EXPIRATION DATE OF THE LICENSE: 4/30/2010

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

**MP 45.3 CROSS SECTIONS**

**EMERGENCY EARTHQUAKE ROCKFALL REPAIRS**

**AT VARIOUS LOCATIONS**

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

Scale: As Noted Date: December, 2009

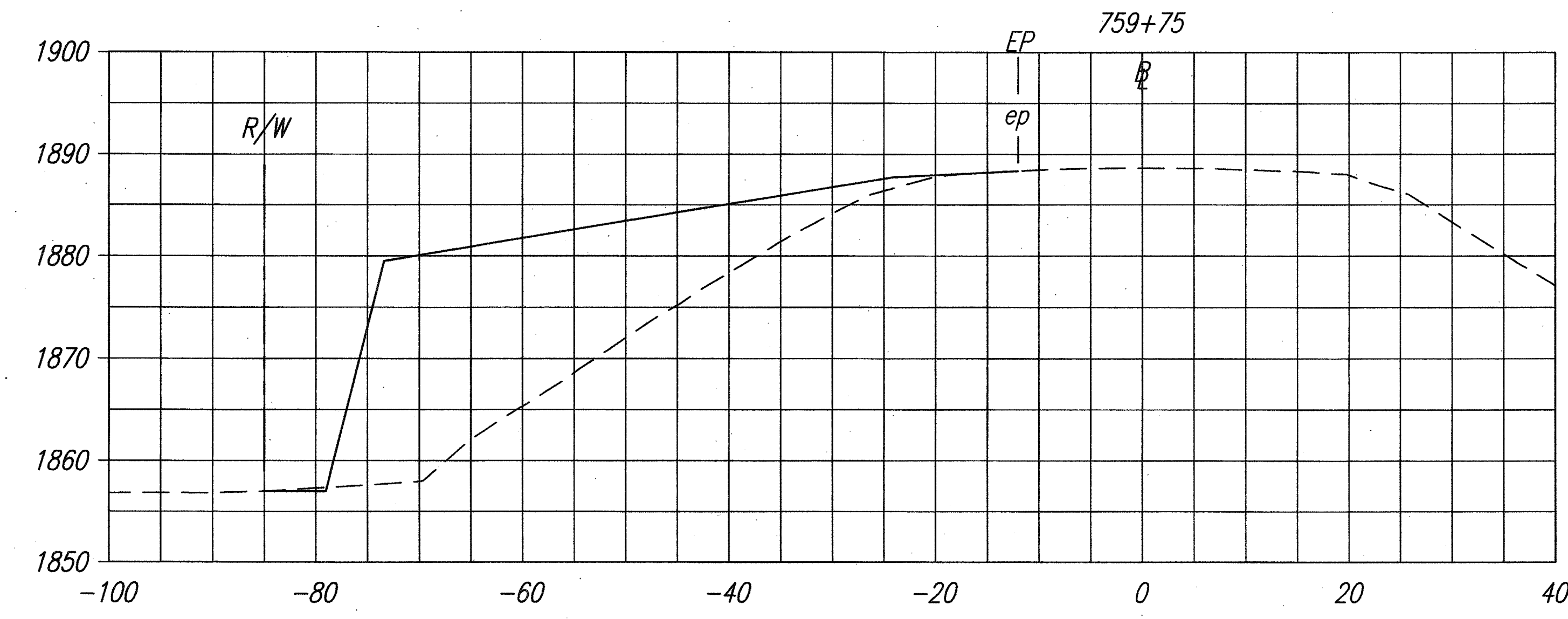
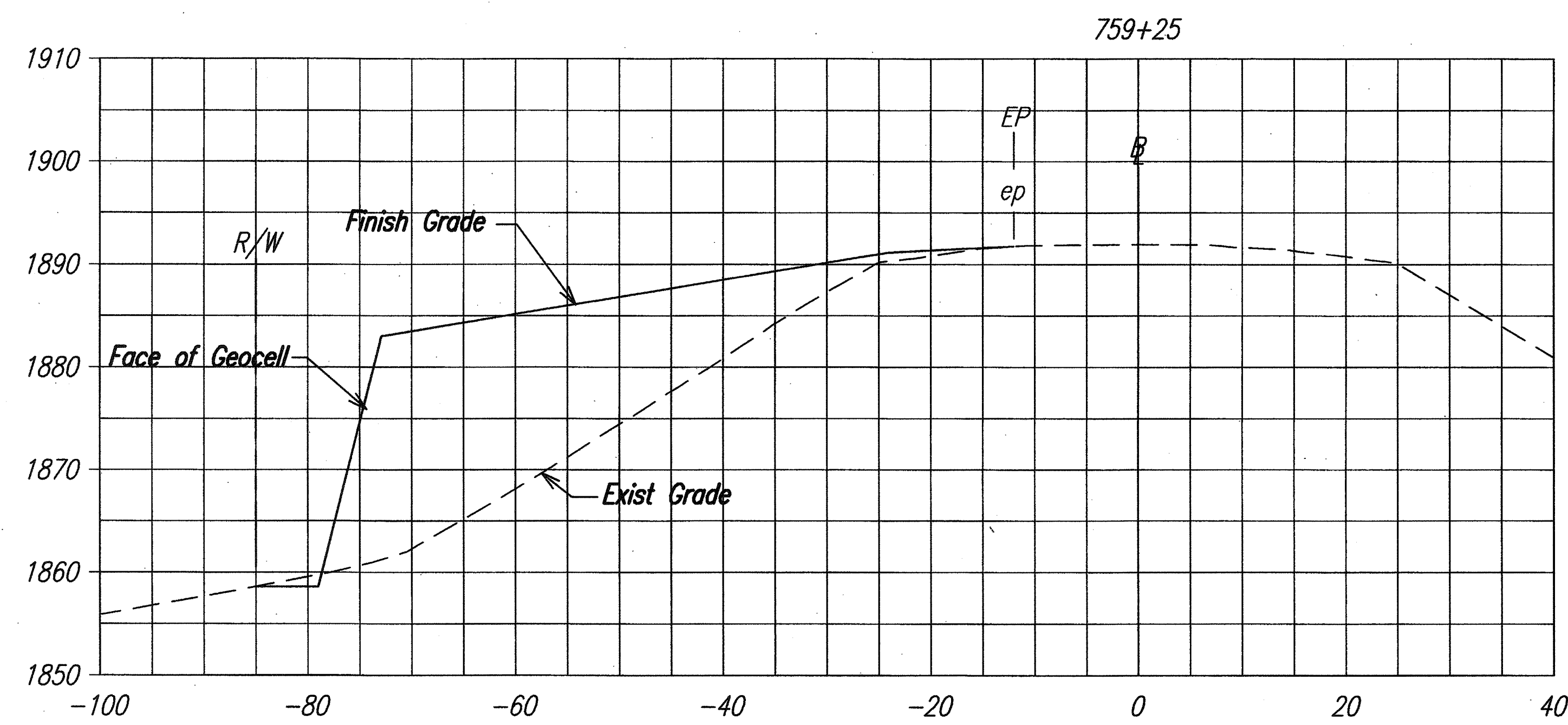
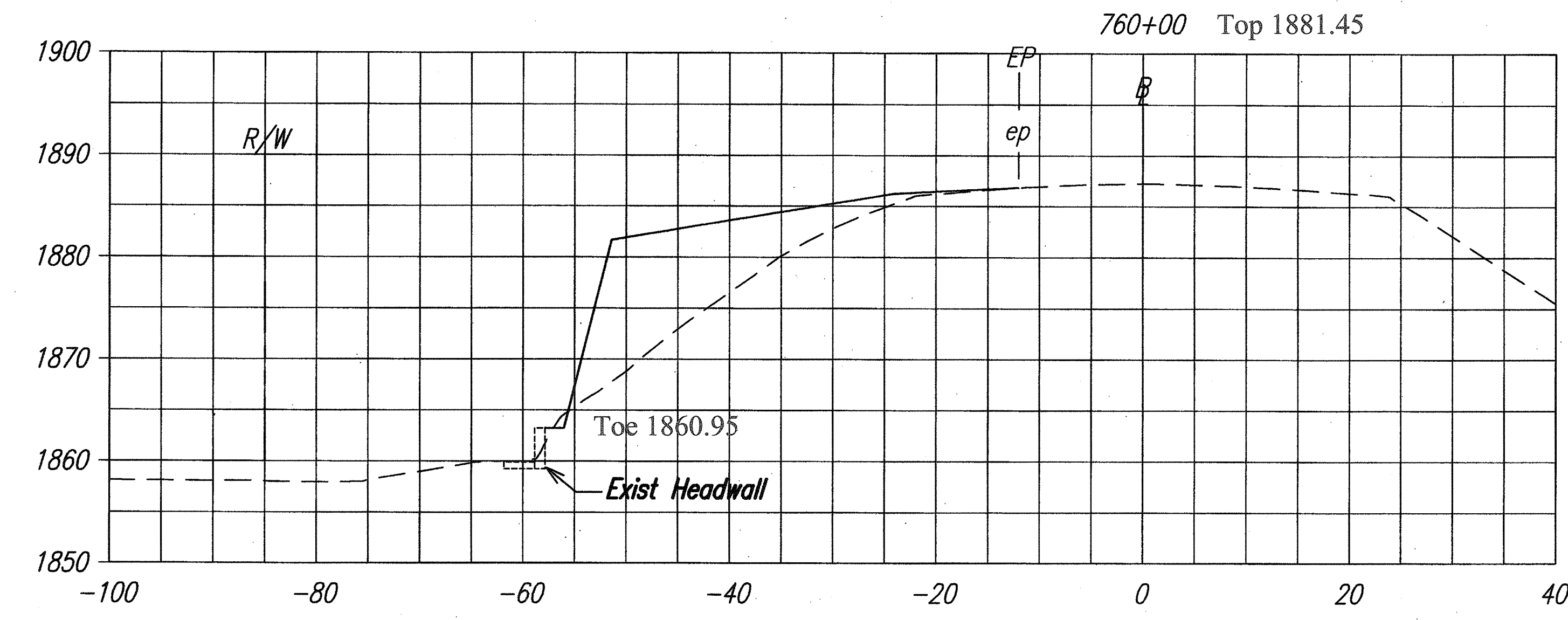
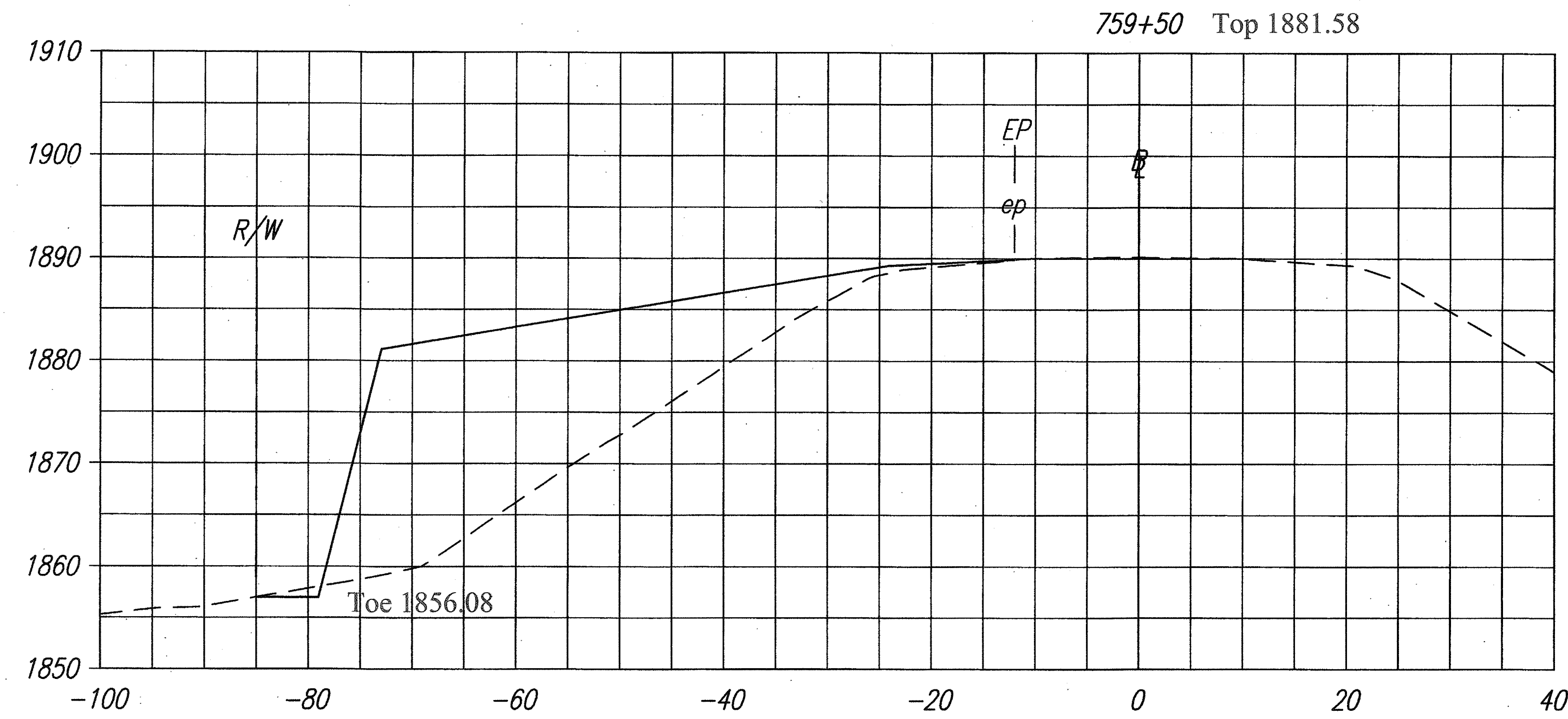
SHEET No. 3 OF 5 SHEETS

|               |      |
|---------------|------|
| ORIGINAL PLAN | DATE |
| NOTE BOOK     |      |
| DESIGNED BY   |      |
| QUANTITIES BY |      |
| CHECKED BY    |      |
| No.           |      |

FILED/NAME: P:\CT\0003-007 Earthquake Remedial Repairs\MP 45.3 Cross Sections\MP 45.3 Cross Sections.dwg (JEF) DATE: 12-11-2009 11:28 am PLOT DATE: 05-26-2010 09:00 am

"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | ER-15(21)          | 2010        | 60        | 89           |



**LEGEND FOR AS-BUILT POSTINGS**

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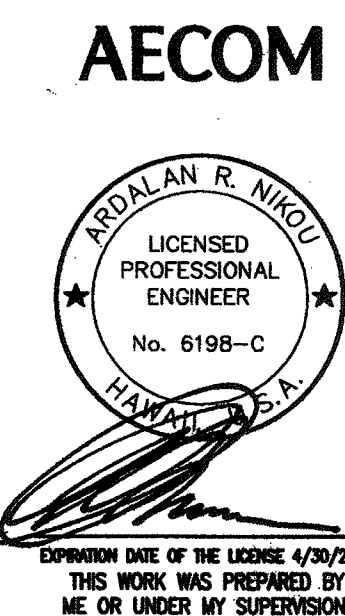
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Roadway Text for as-built posting

MP 45.3 CROSS SECTIONS

Horiz. Scale: 1"=10'

Vert. Scale: 1"=10'



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MP 45.3 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 5 SHEETS

"AS-BUILT"

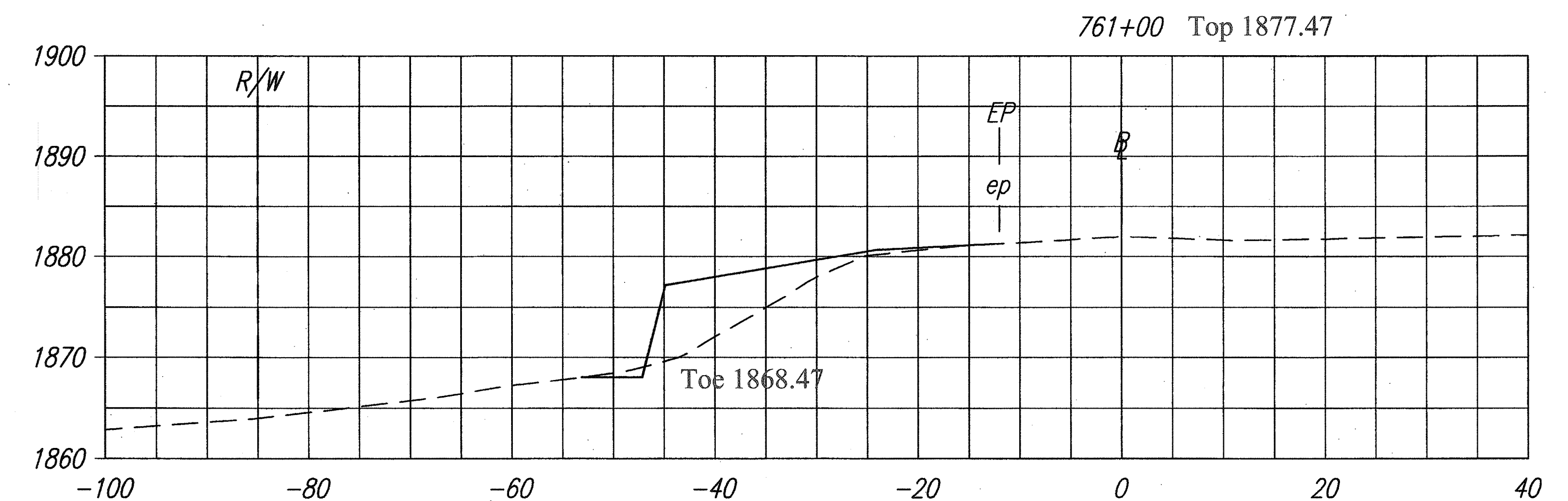
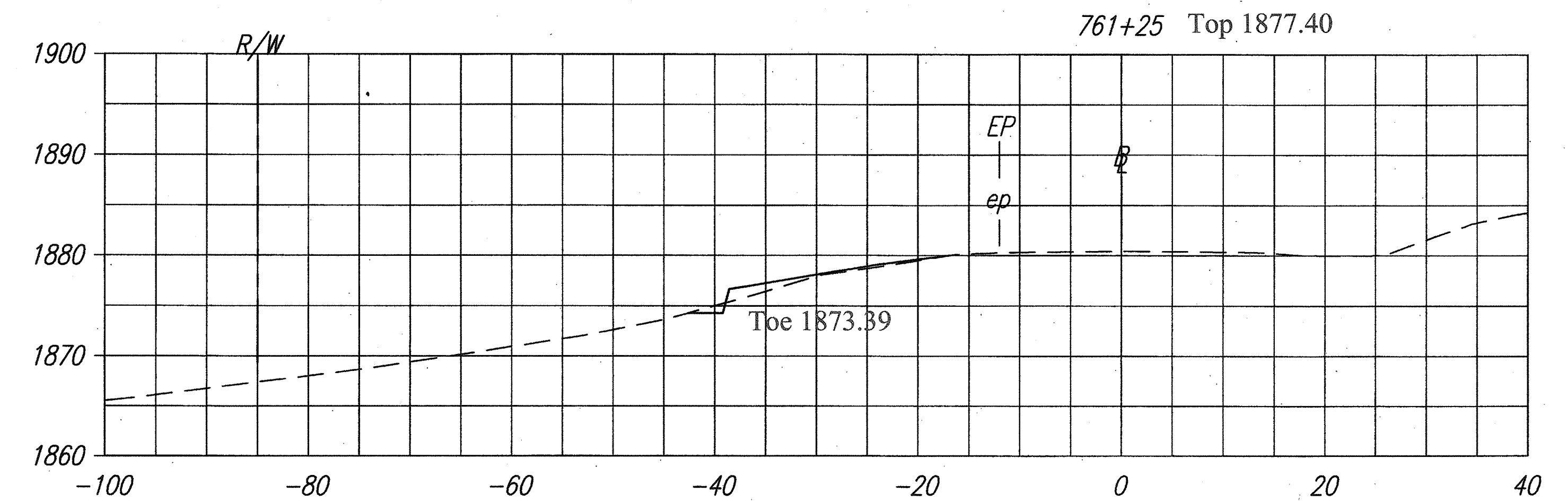
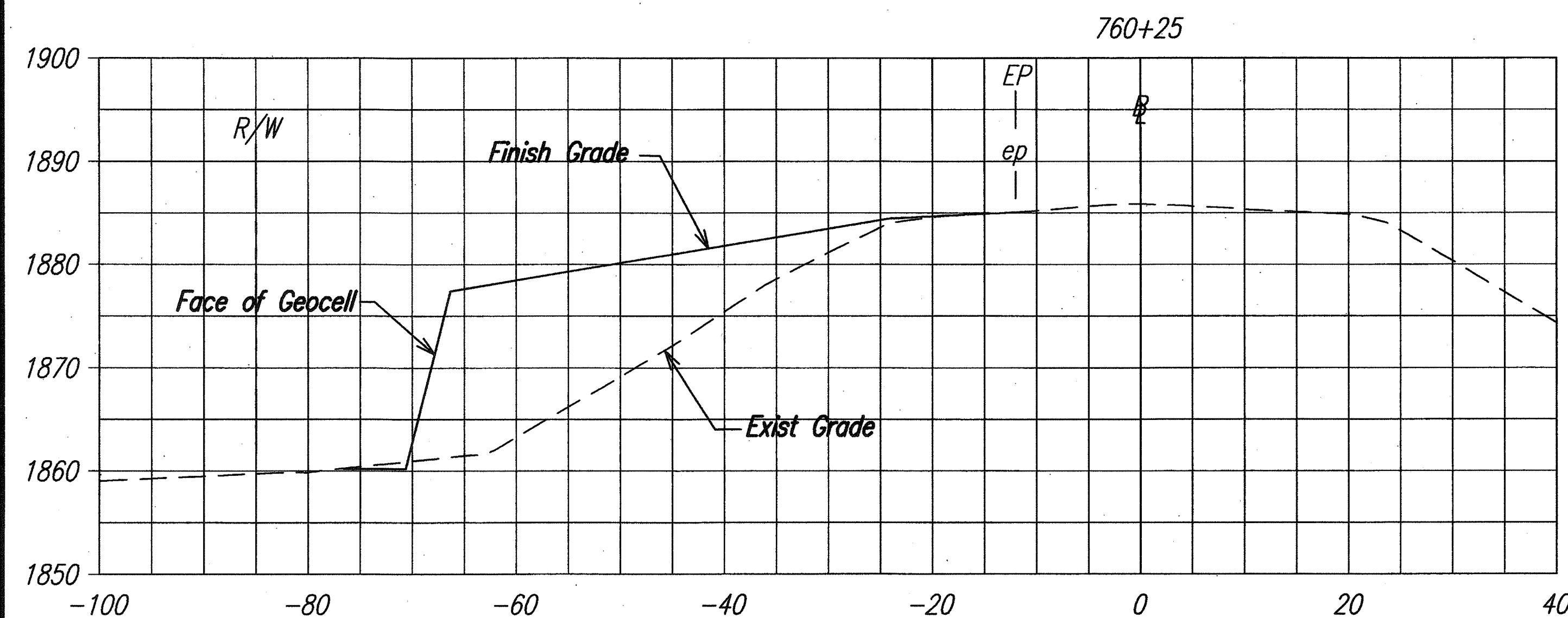
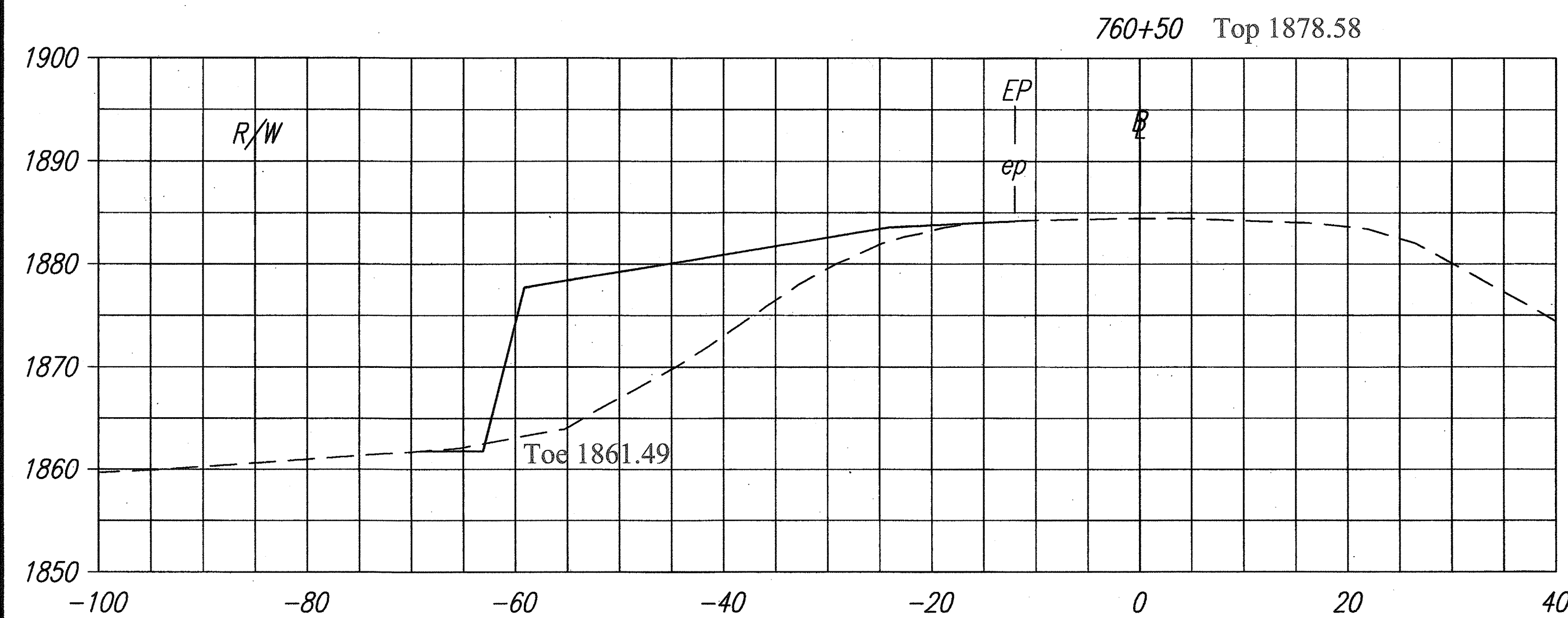
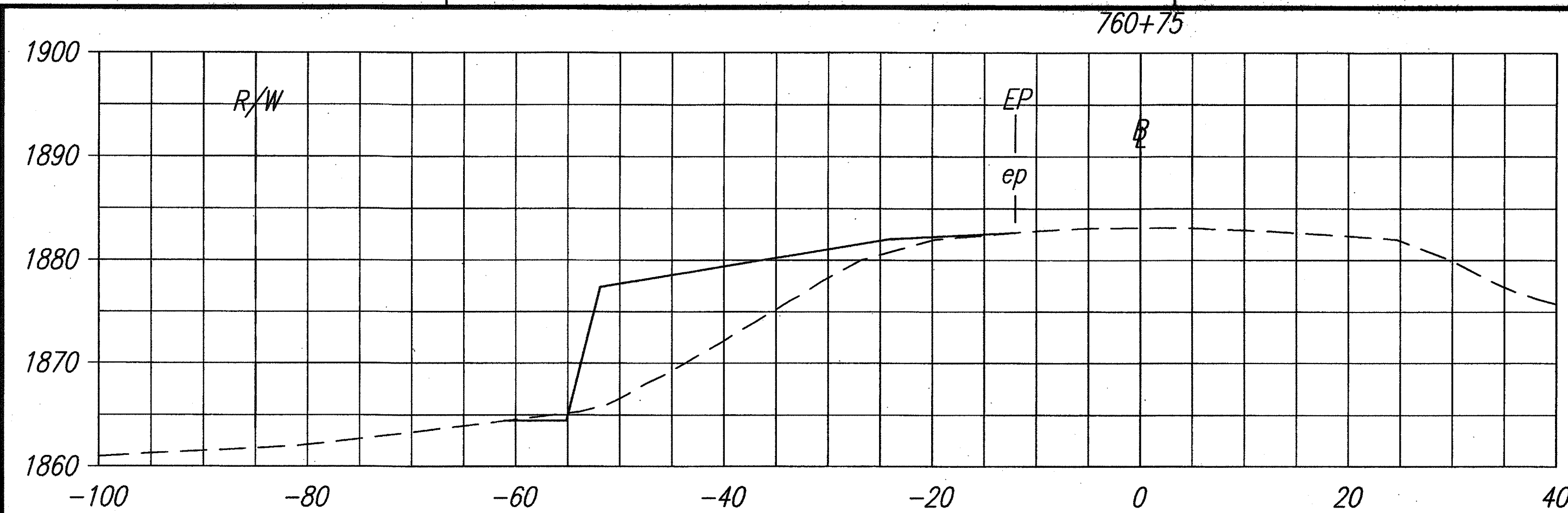
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII | HAW. | ER-15(21) | 2010 | 61 | 89 |

LEGEND FOR AS-BUILT POSTINGS

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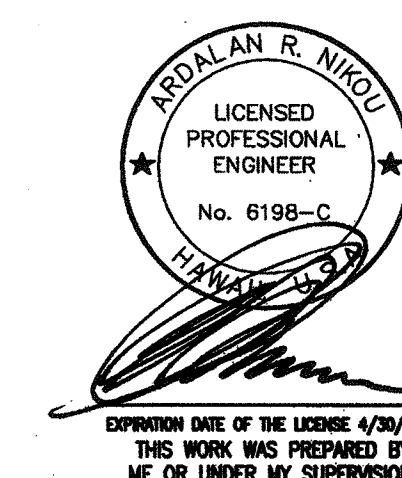
Roadway Text for as-built posting



## MP 45.3 CROSS SECTIONS

Horiz. Scale: 1"=10'  
Vert. Scale: 1"=10'

**AECOM**



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**MP 45.3 CROSS SECTIONS**

**EMERGENCY EARTHQUAKE ROCKFALL REPAIRS**

**AT VARIOUS LOCATIONS**

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

Scale: As Noted Date: December, 2009

SHEET No. 5 OF 5 SHEETS

"AS-BUILT"