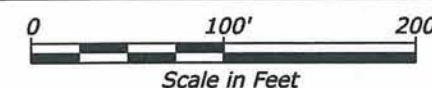


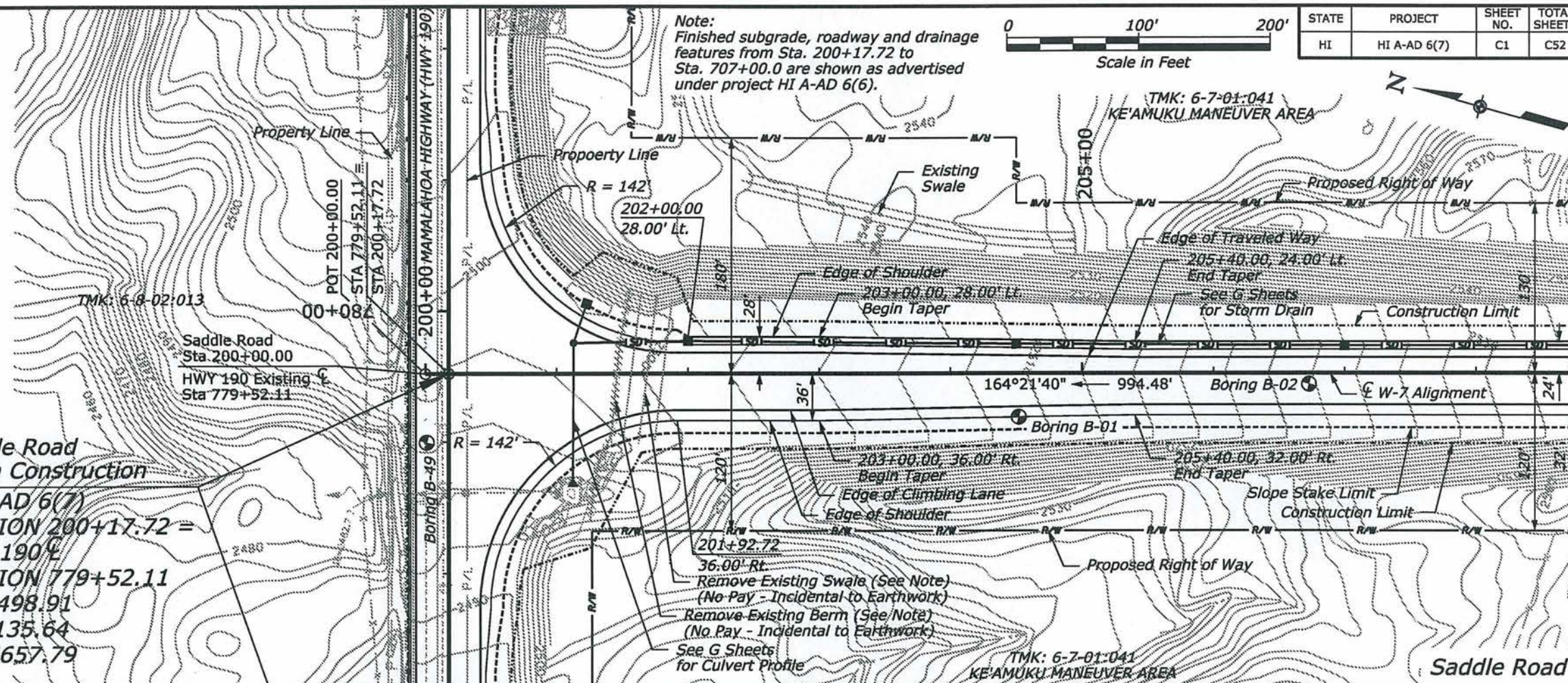
C:\Saddle Road\Revised Profile\HI SR 200(00)_pp01.dgn
3:15:03 PM
11/24/2012

Saddle Road
Begin Construction
HI A-AD 6(7)
STATION 200+17.72 =
HWY 190
STATION 779+52.11
EL 2,498.91
N 48135.64
E -86657.79

Note:
Finished subgrade, roadway and drainage
features from Sta. 200+17.72 to
Sta. 707+00.0 are shown as advertised
under project HI A-AD 6(6).



STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C1	C52



Note:
Do not remove existing berm and swale
until storm drain system and culvert
construction is complete.

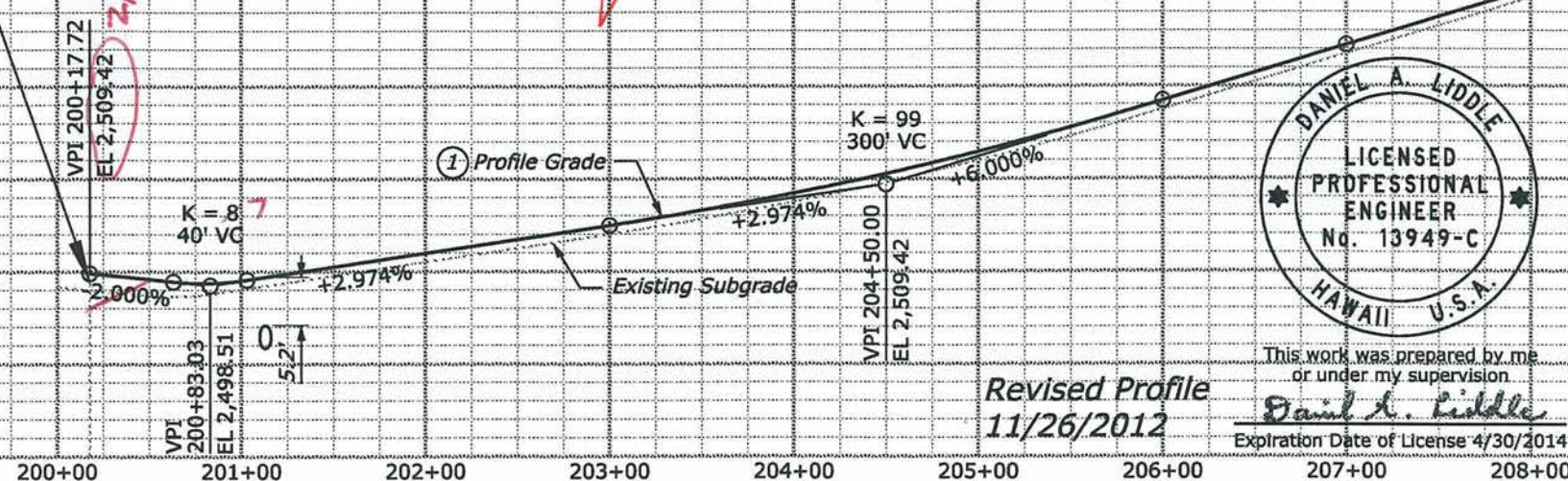
+13 Install
30" x 103' Pipe Culvert
Manhole Lt.
End Section, Rt.
Existing Stilling Basin, Rt.
Existing Placed Riprap Class 3, Rt.
Design Flow = 21 cfs (50-year)
Drainage Basin Area = 8 Acres

AS BUILT DRAWINGS/SPECIFICATION
This certifies that the dimensions and
details shown on this sheet reflect the
dimensions and details and specifications
as constructed in the field.

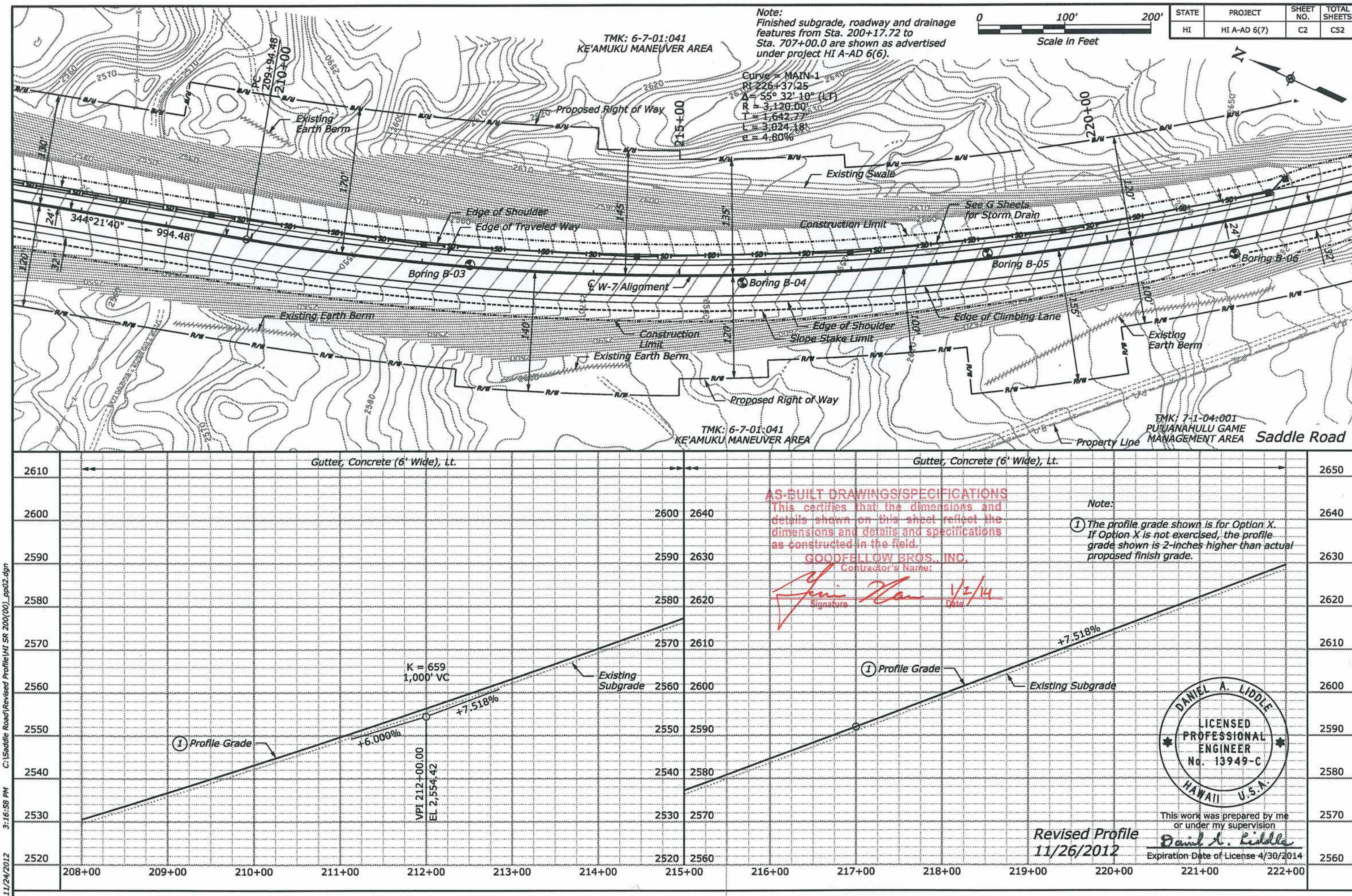
GODFELLOW BROS., INC.
Contractor's Name:

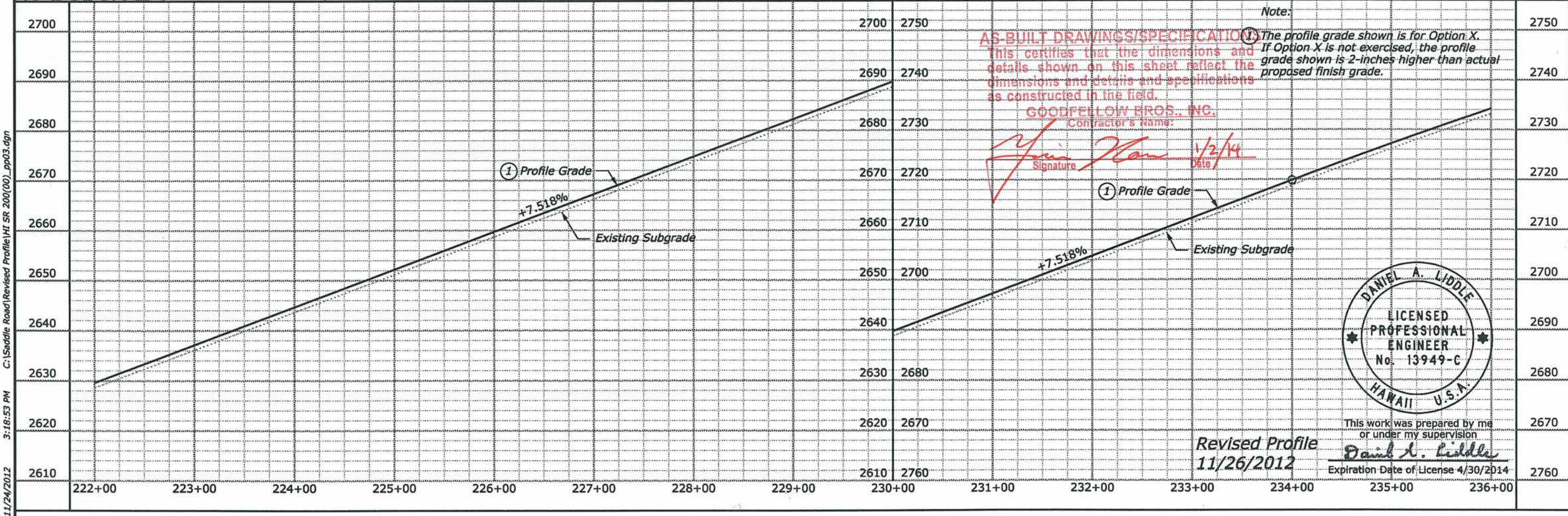
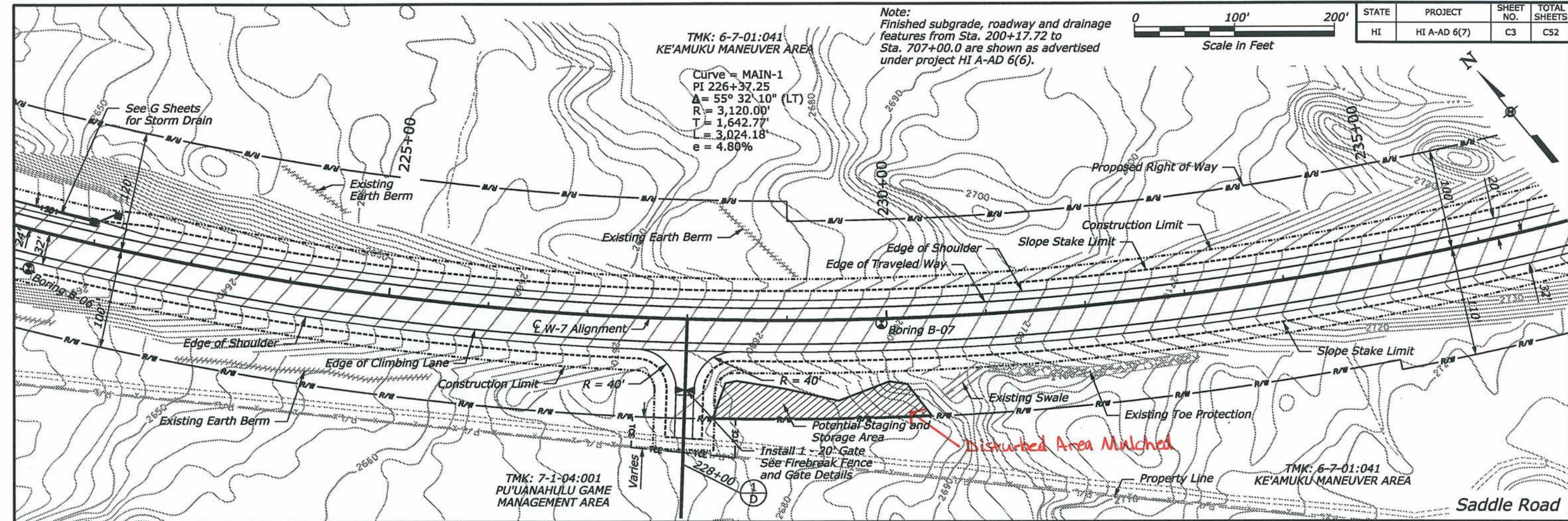
Signature
Date: 11/14/14

Note:
1 The profile grade shown is for Option X.
If Option X is not exercised, the profile
grade shown is 2-inches higher than actual
proposed finish grade.



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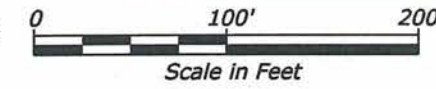




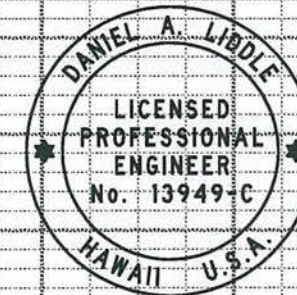
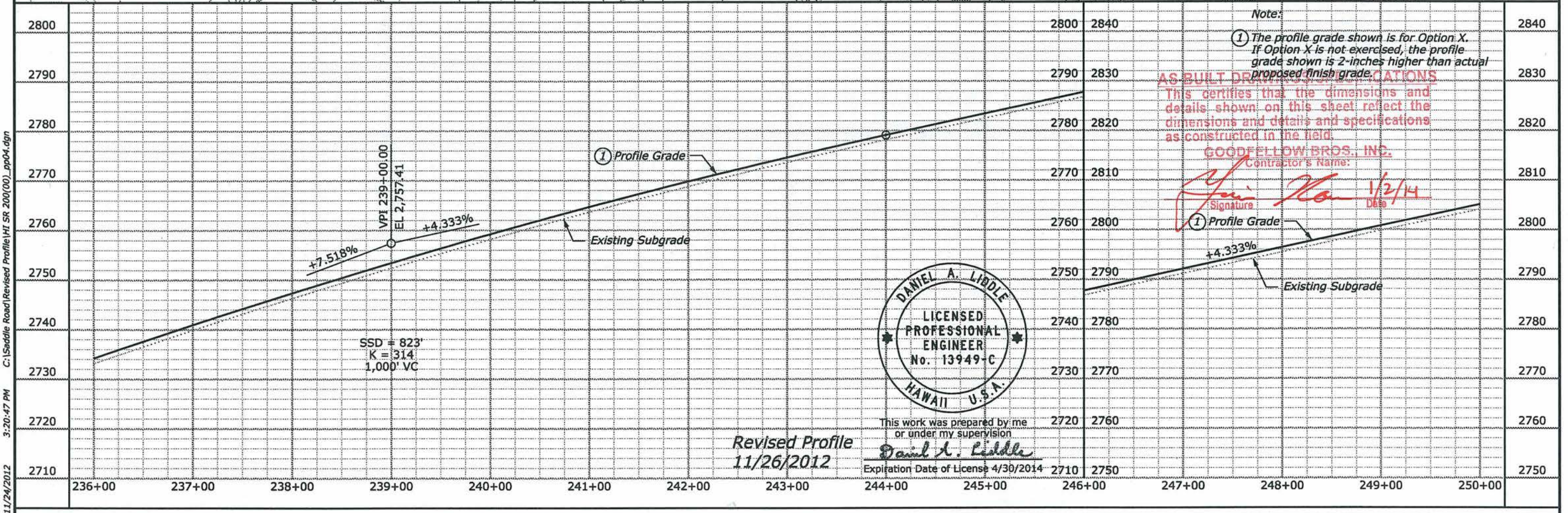
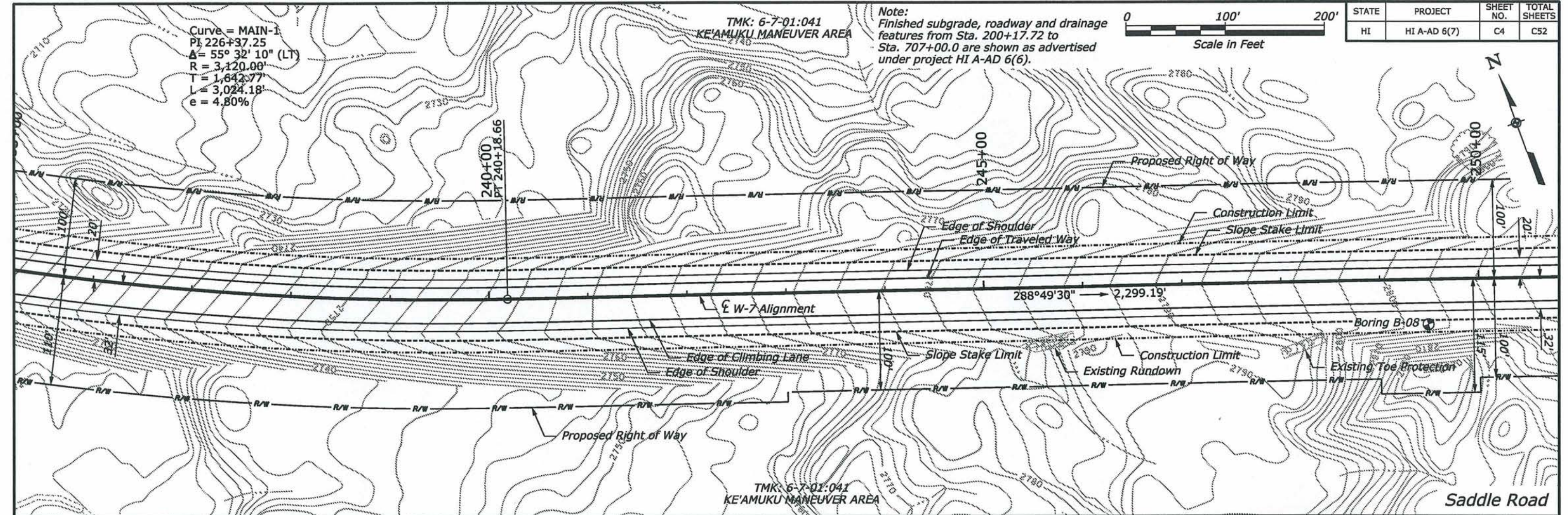
Curve = MAIN-1
 PI 226+37.25
 $\Delta = 55^\circ 32' 10''$ (LT)
 $R = 3,120.00'$
 $T = 1,642.77'$
 $L = 3,024.18'$
 $e = 4.80\%$

TMK: 6-7-01:041
 KE'AMUKU MANEUVER AREA

Note:
 Finished subgrade, roadway and drainage
 features from Sta. 200+17.72 to
 Sta. 707+00.0 are shown as advertised
 under project HI A-AD 6(6).



STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C4	C52



Revised Profile
 11/26/2012

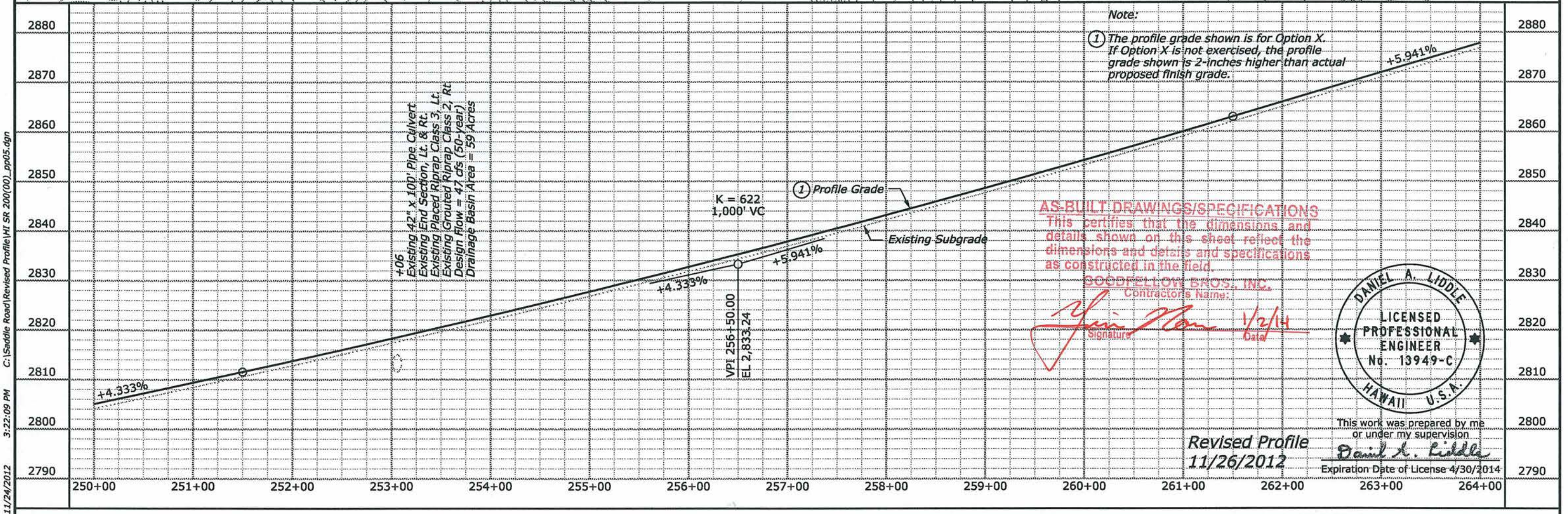
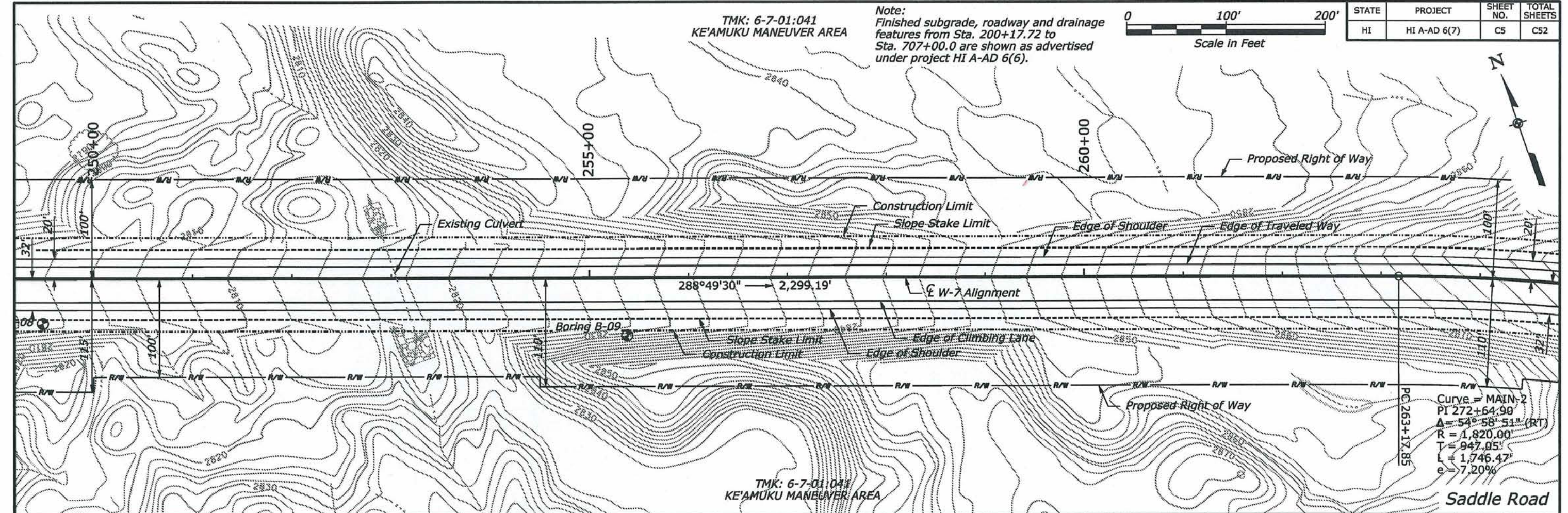
This work was prepared by me
 or under my supervision
 Daniel A. Liddle
 Expiration Date of License 4/30/2014

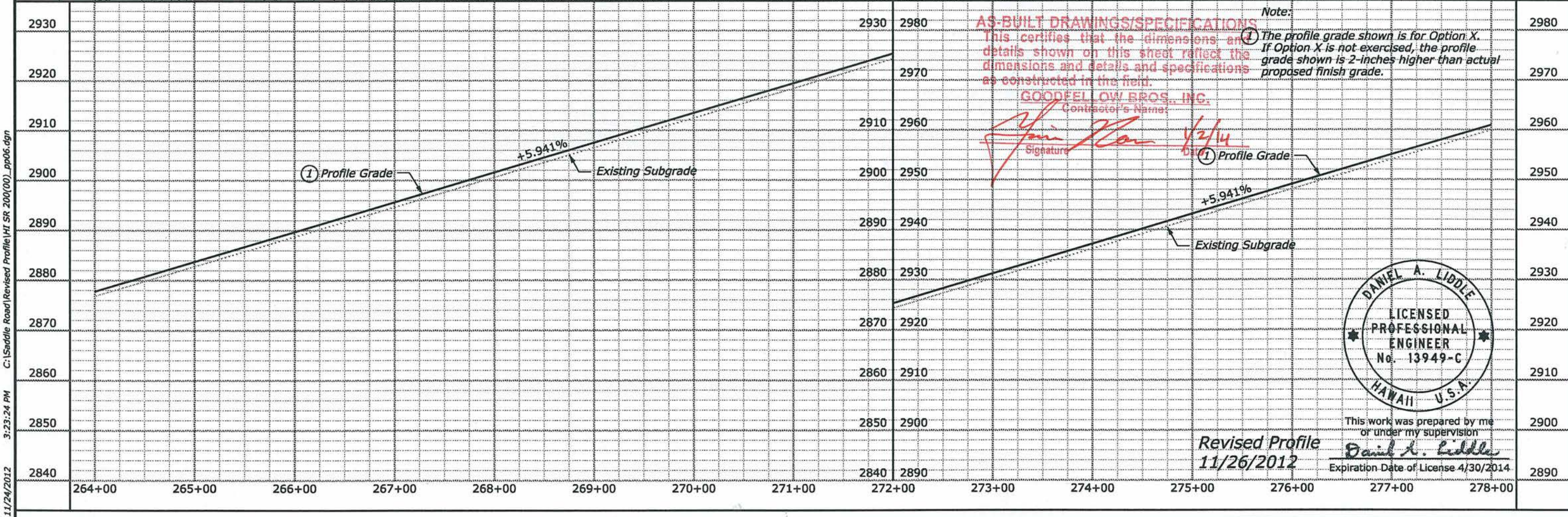
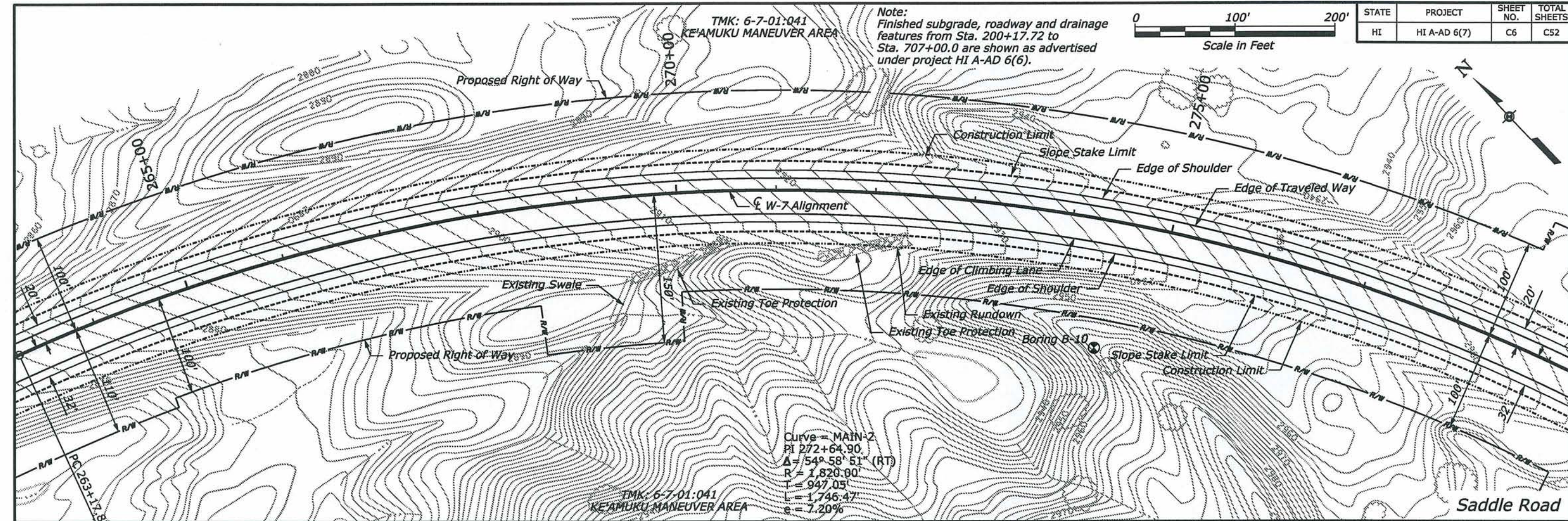
TMK: 6-7-01:041
KE'AMUKU MANEUVER AREA

Note:
Finished subgrade, roadway and drainage
features from Sta. 200+17.72 to
Sta. 707+00.0 are shown as advertised
under project HI A-AD 6(6).

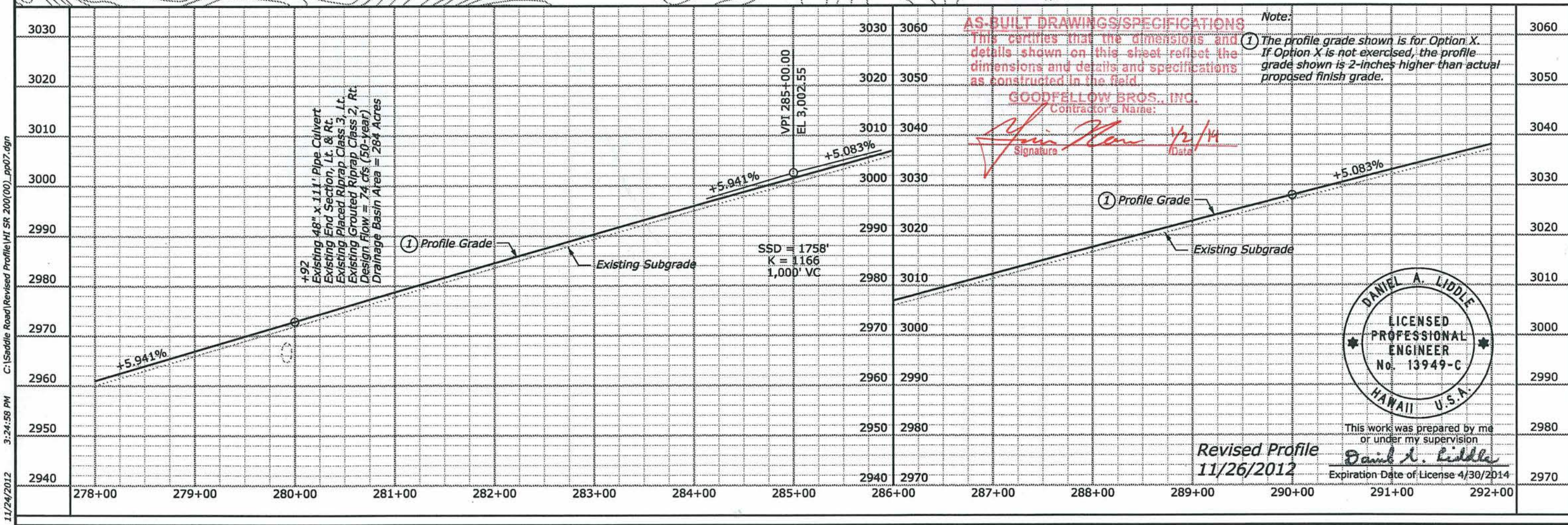
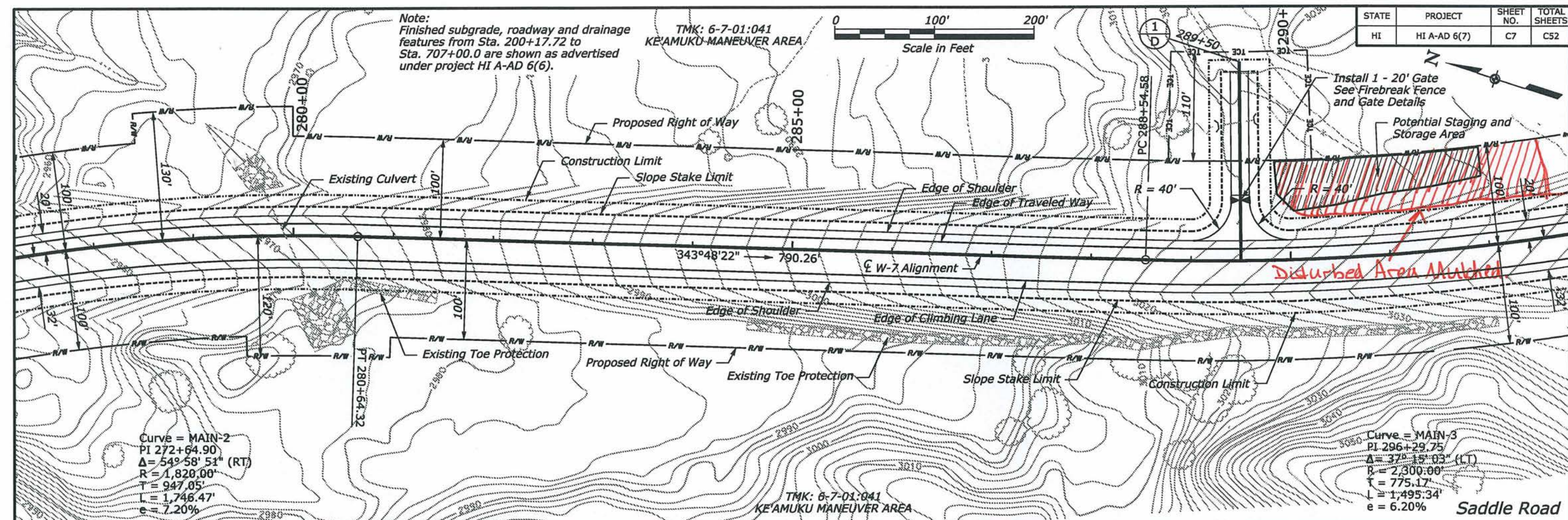


STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C5	C52

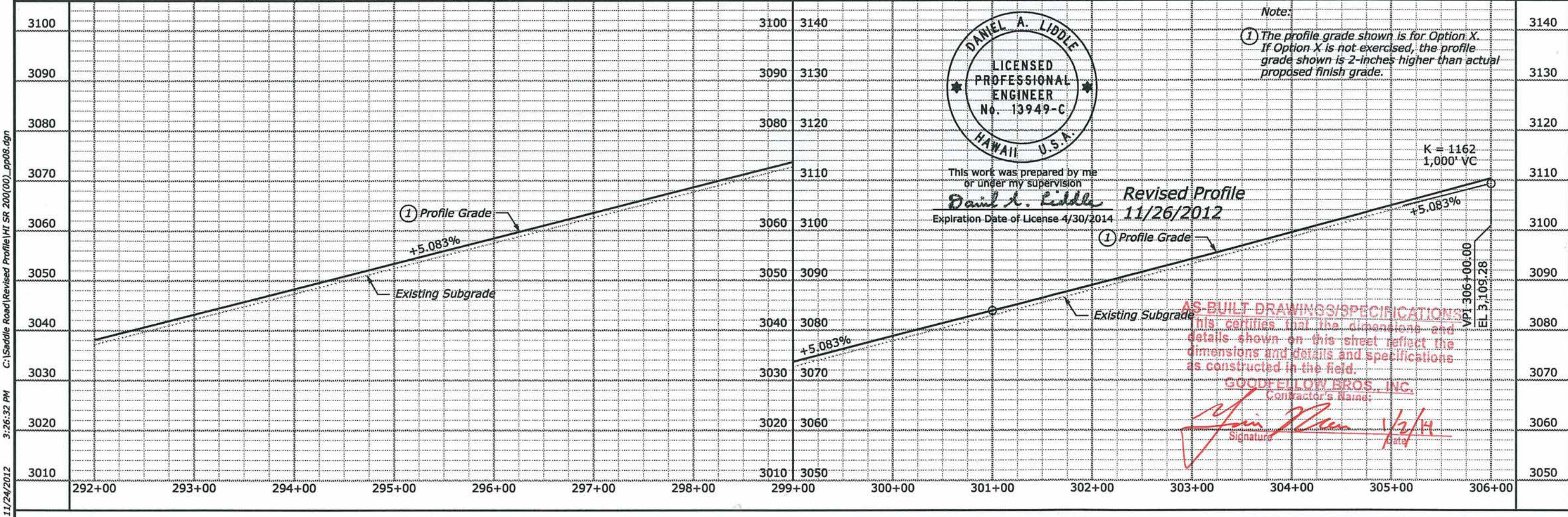
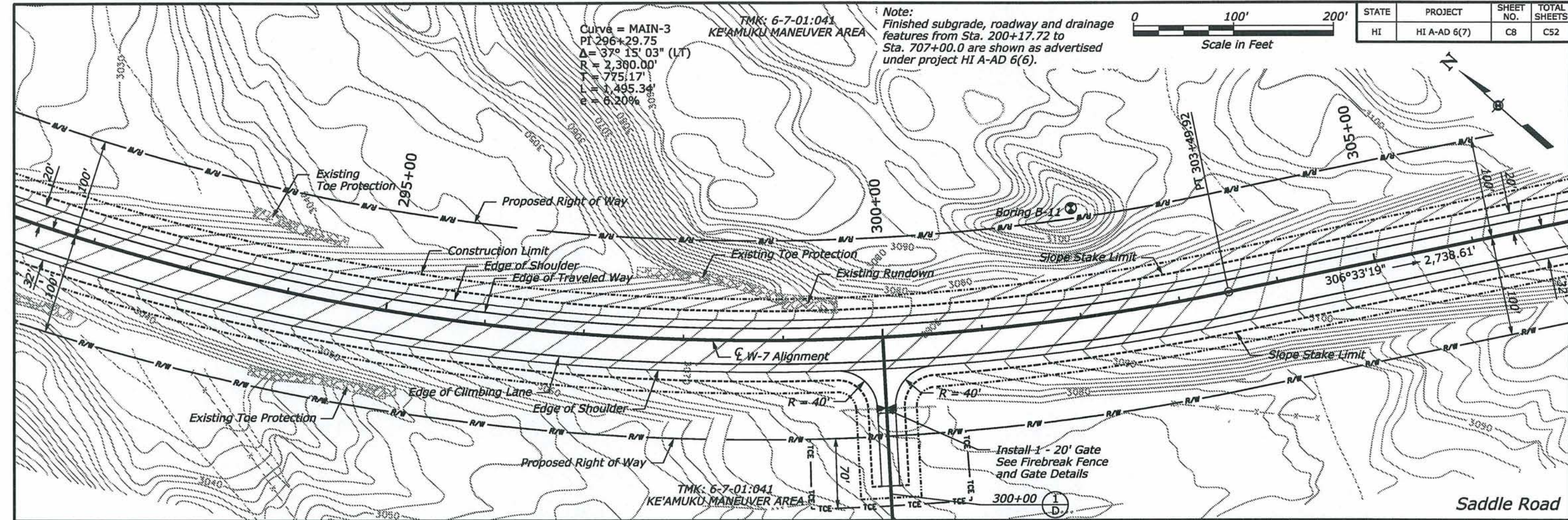




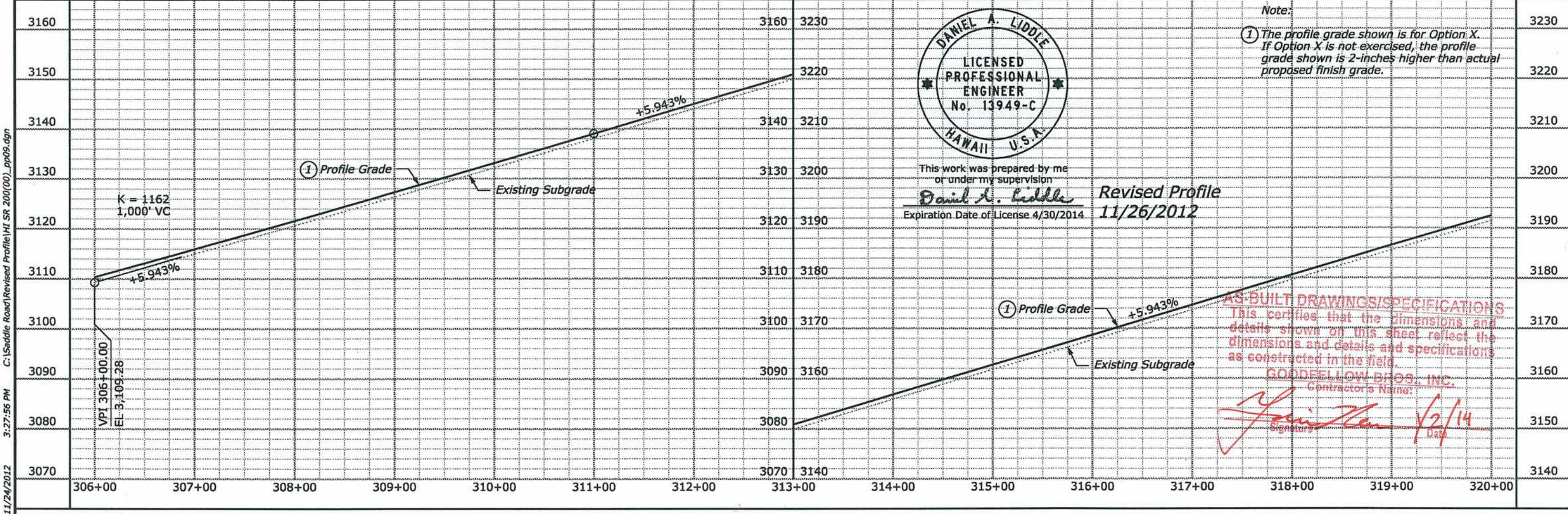
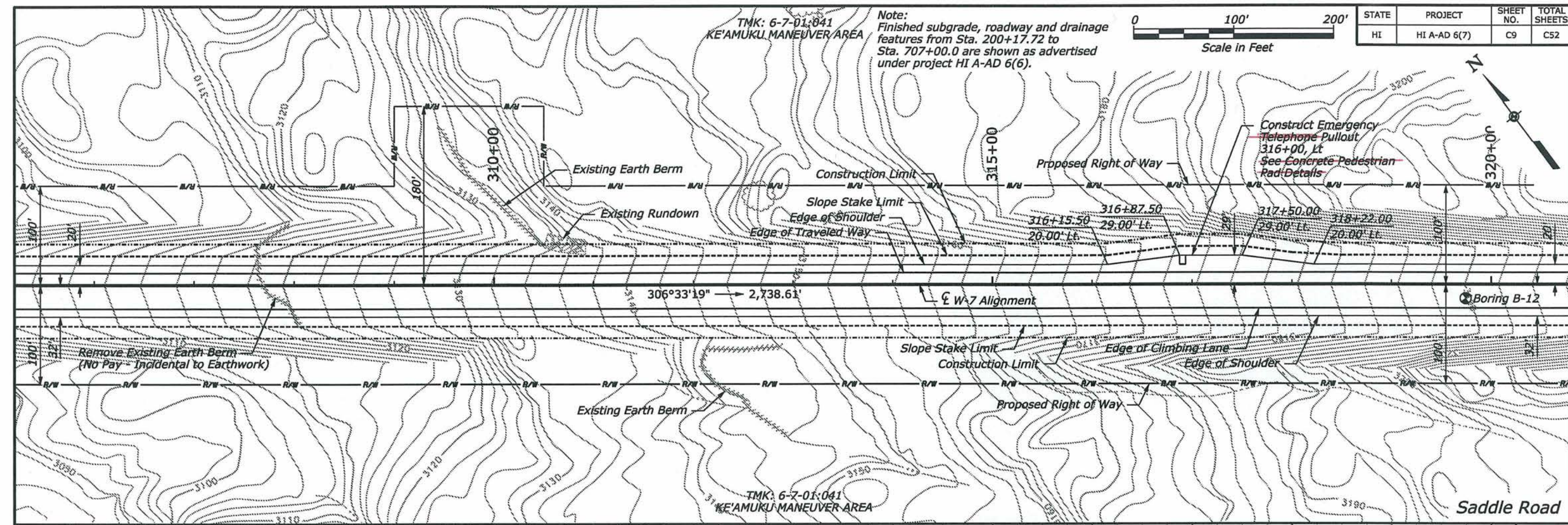
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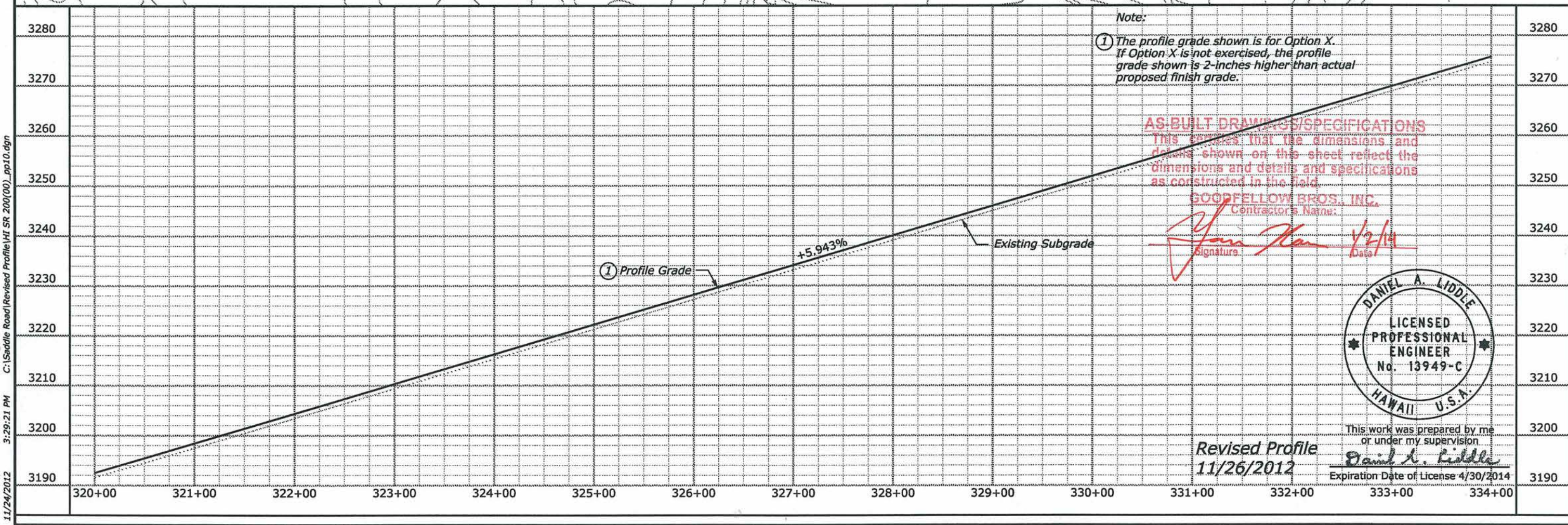
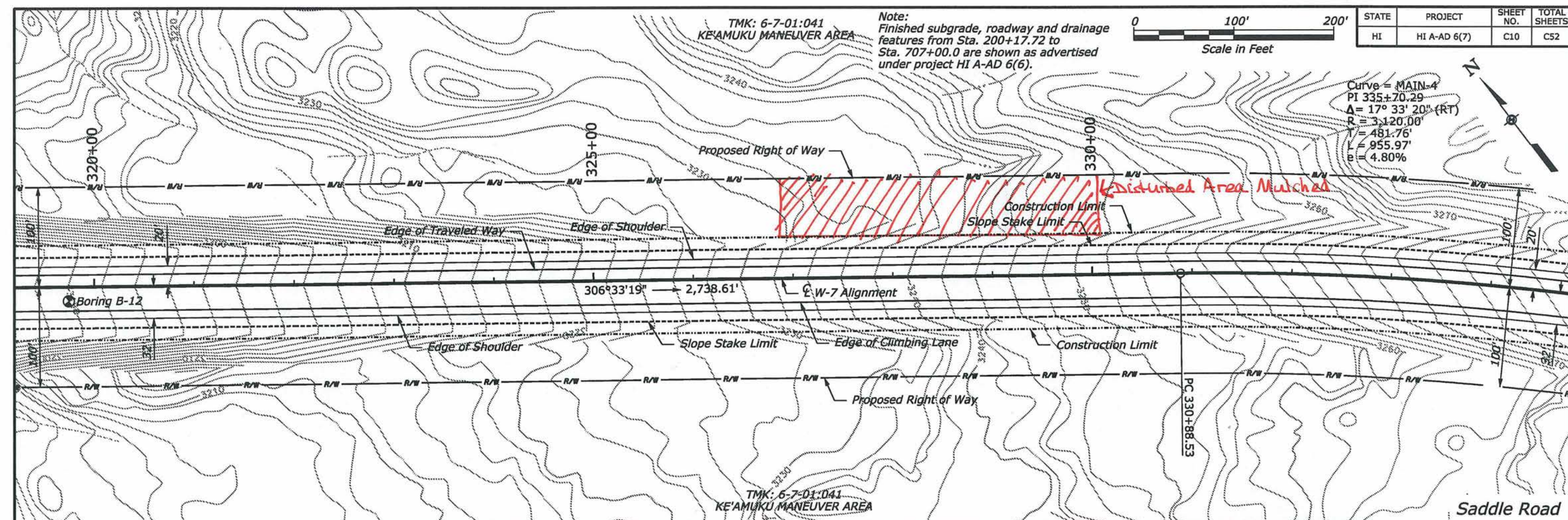
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11/24/2012 3:26:32 PM C:\Saddle Road\Revised Profile\HI SR 200(00)_pp08.dgn

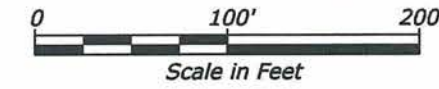


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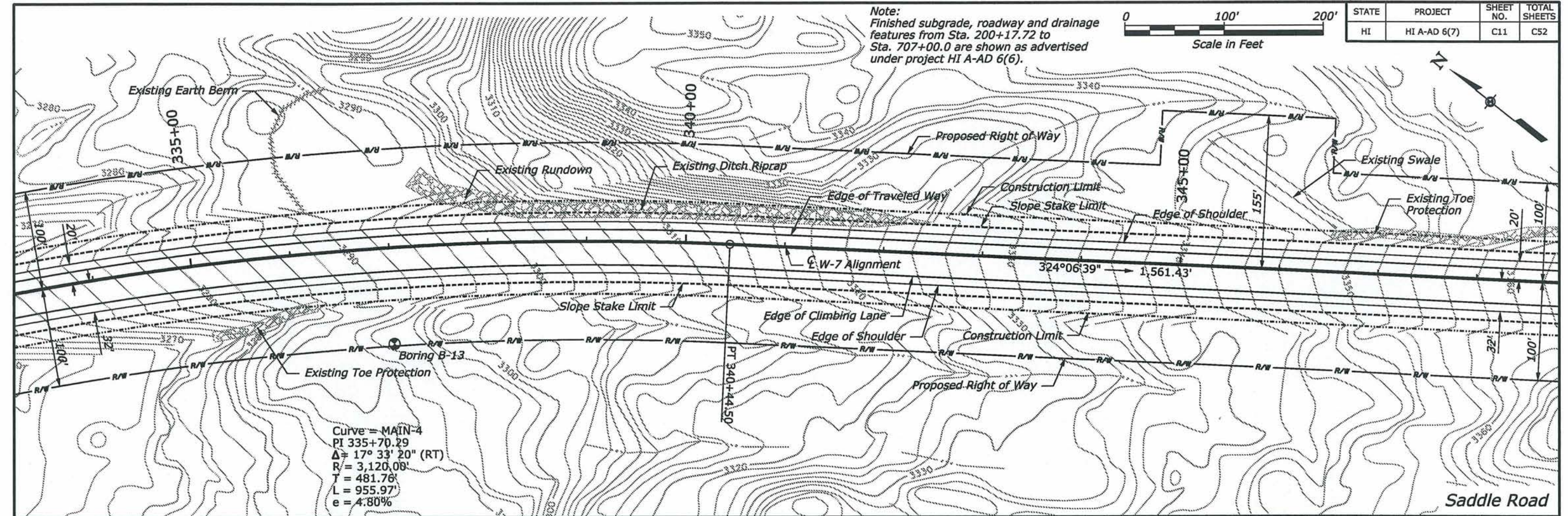


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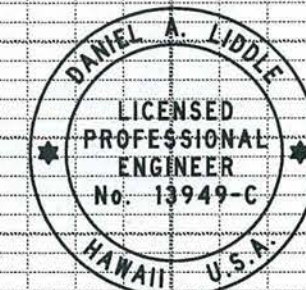
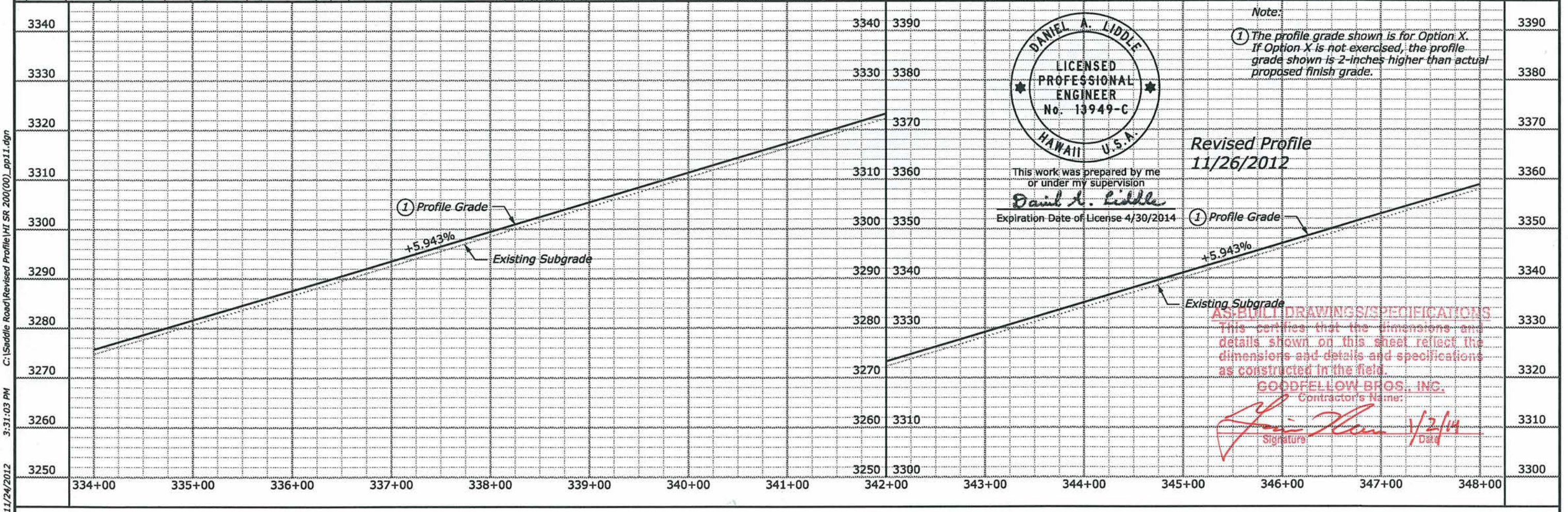
Note:
Finished subgrade, roadway and drainage
features from Sta. 200+17.72 to
Sta. 707+00.0 are shown as advertised
under project HI A-AD 6(6).



STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C11	C52



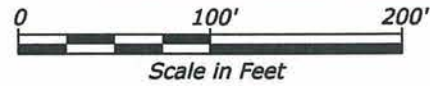
Saddle Road



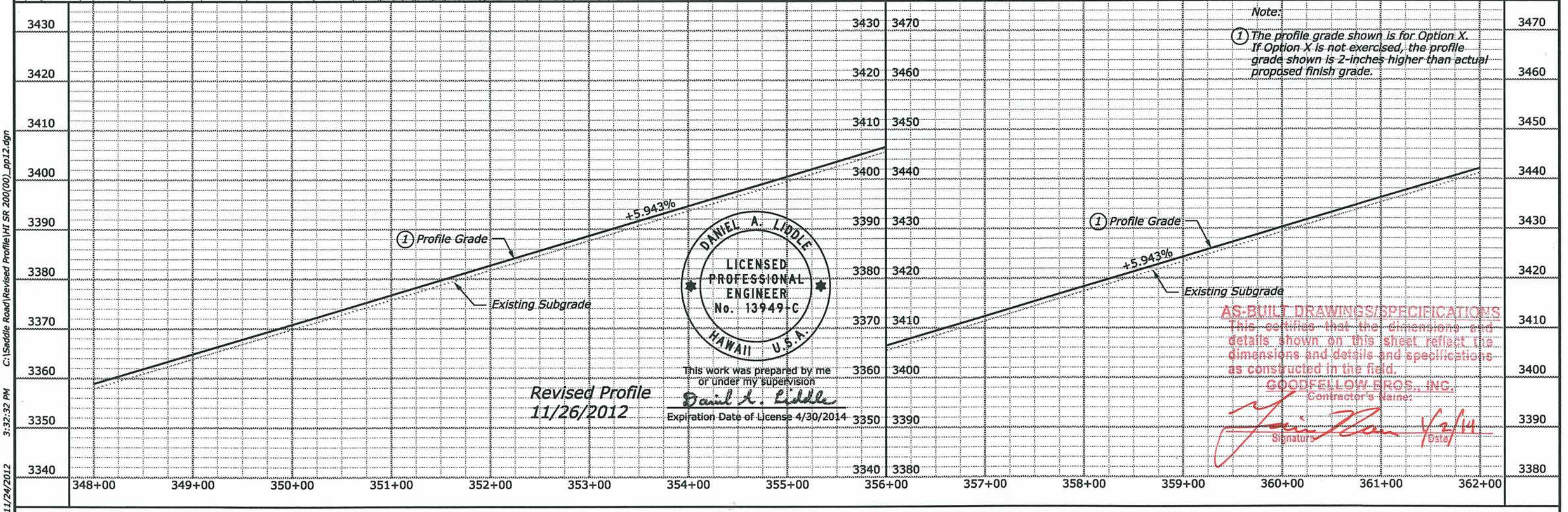
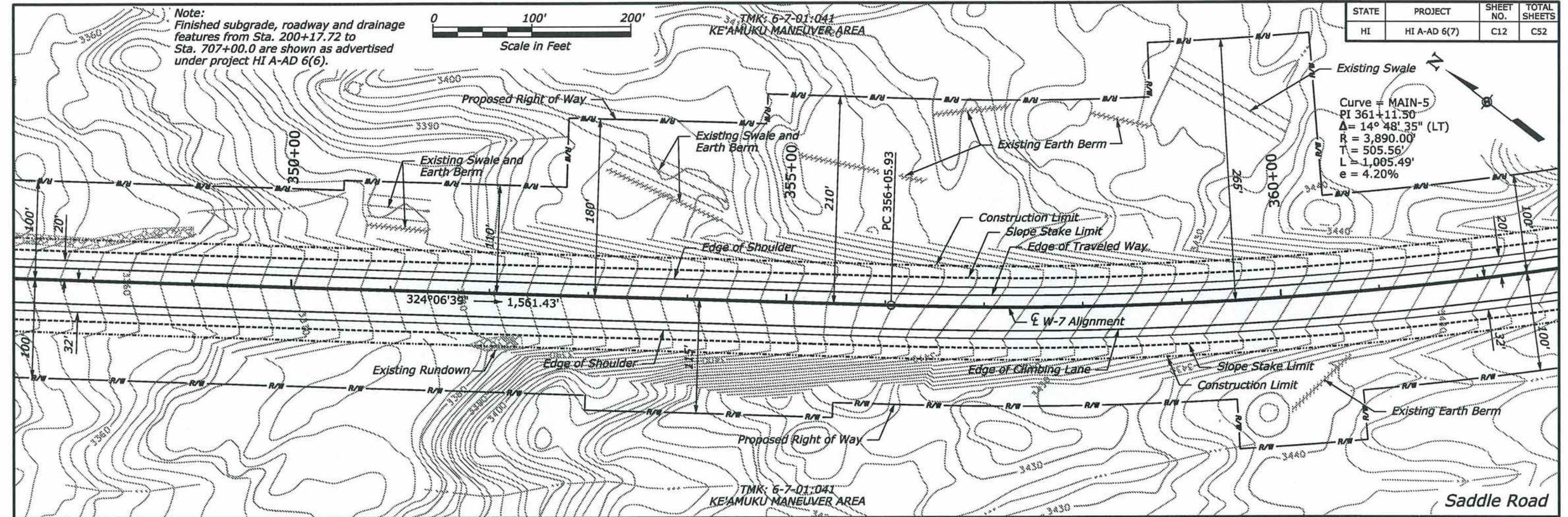
This work was prepared by me
or under my supervision
Daniel A. Liddle
Expiration Date of License 4/30/2014

11/24/2012 3:31:03 PM C:\Saddle Road Revised Profile\HI SR 200(00)_pp11.dgn

Note:
Finished subgrade, roadway and drainage
features from Sta. 200+17.72 to
Sta. 707+00.0 are shown as advertised
under project HI A-AD 6(6).



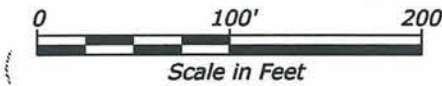
STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C12	C52



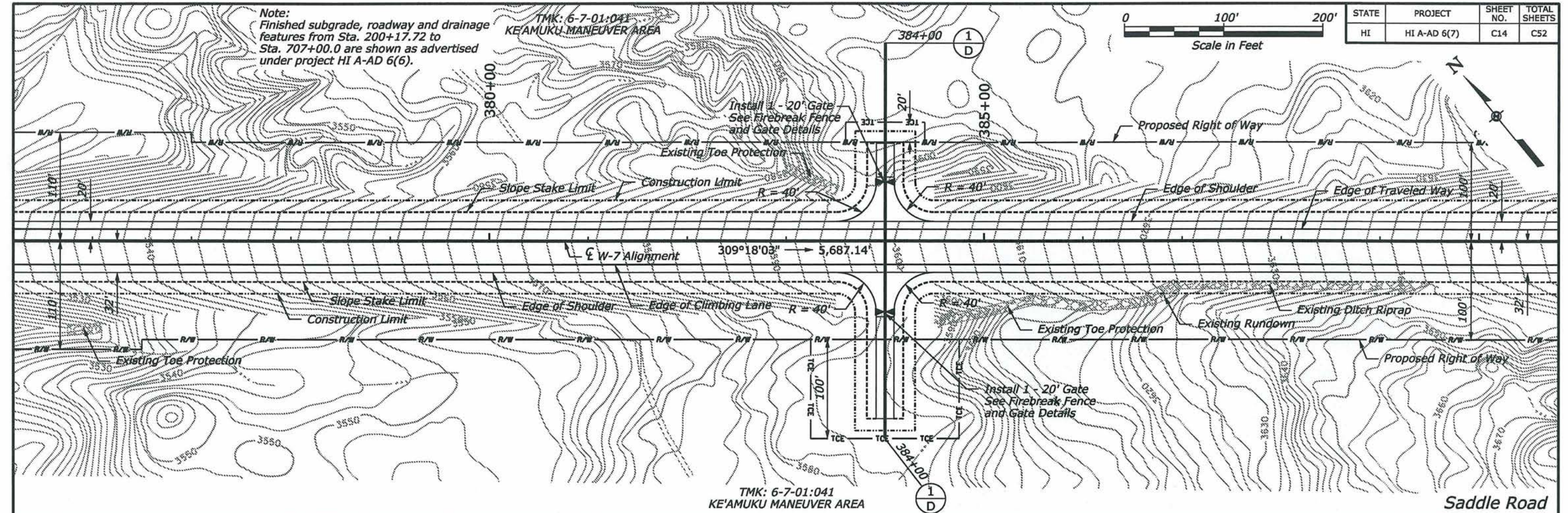
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Note:
Finished subgrade, roadway and drainage
features from Sta. 200+17.72 to
Sta. 707+00.0 are shown as advertised
under project HI A-AD 6(6).

TMK: 6-7-01:041
KE'AMUKU MANEUVER AREA

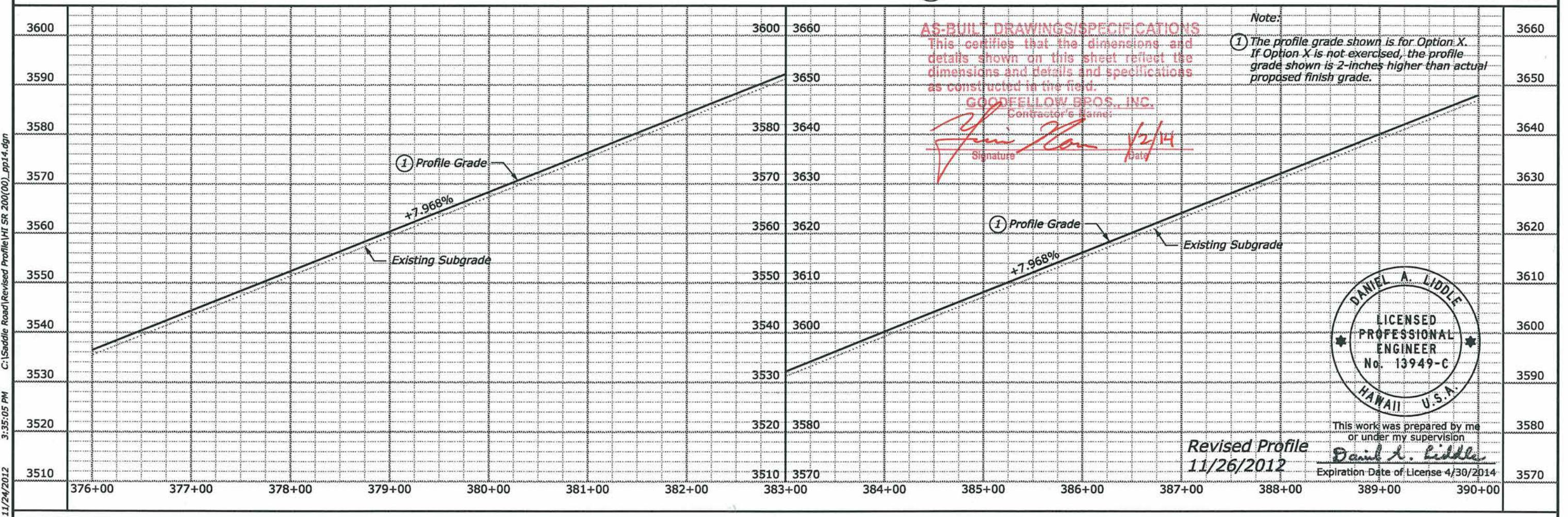


STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C14	C52



TMK: 6-7-01:041
KE'AMUKU MANEUVER AREA

Saddle Road



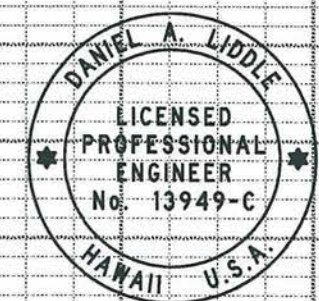
AS-BUILT DRAWINGS/SPECIFICATIONS
This certifies that the dimensions and
details shown on this sheet reflect the
dimensions and details and specifications
as constructed in the field.

GOODELOW BROS., INC.
Contractor's Name:

[Signature]
Signature Date: 1/2/14

Note:

- ① The profile grade shown is for Option X.
If Option X is not exercised, the profile
grade shown is 2-inches higher than actual
proposed finish grade.

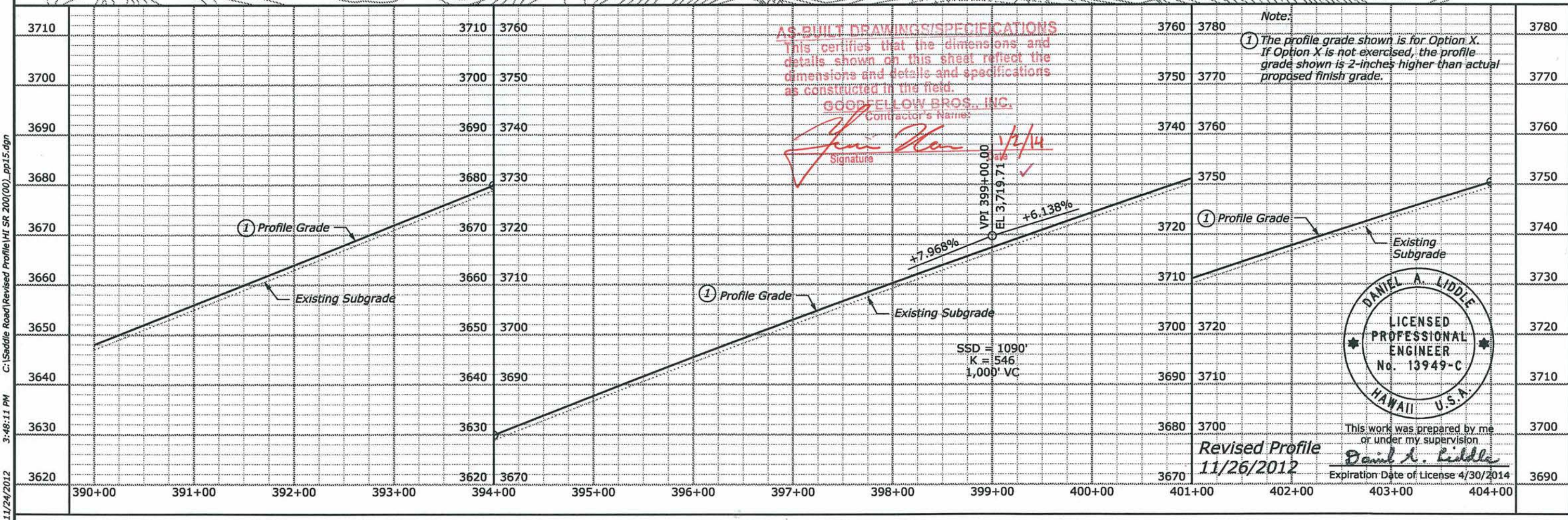
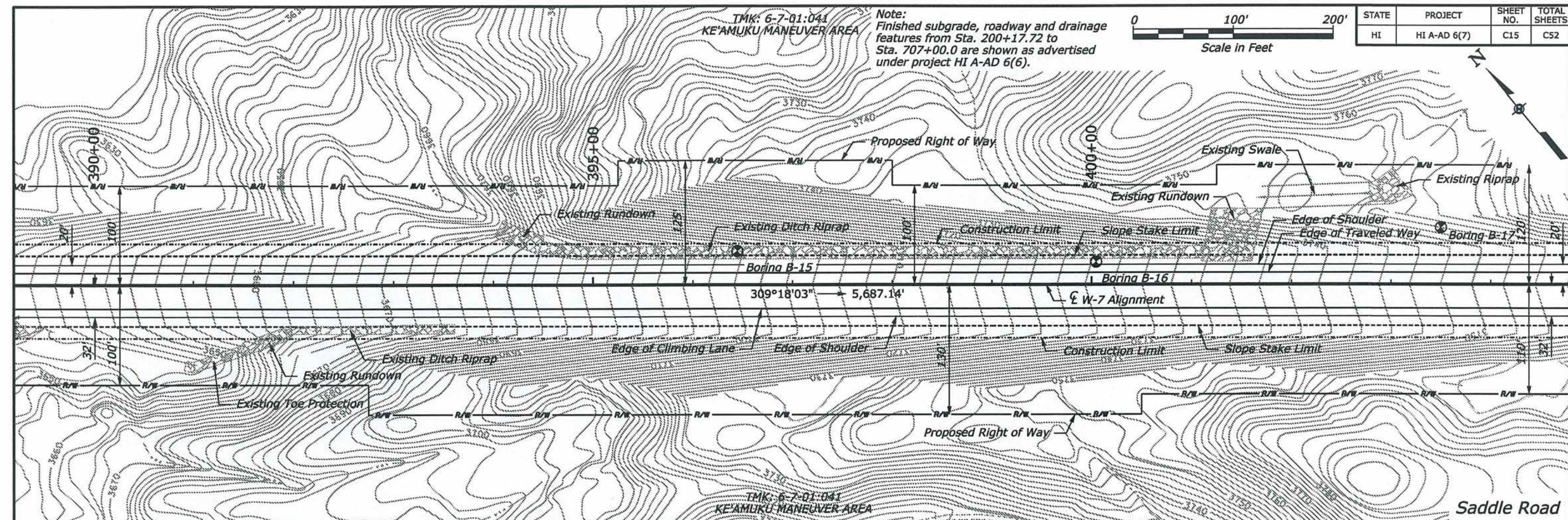


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or under my supervision

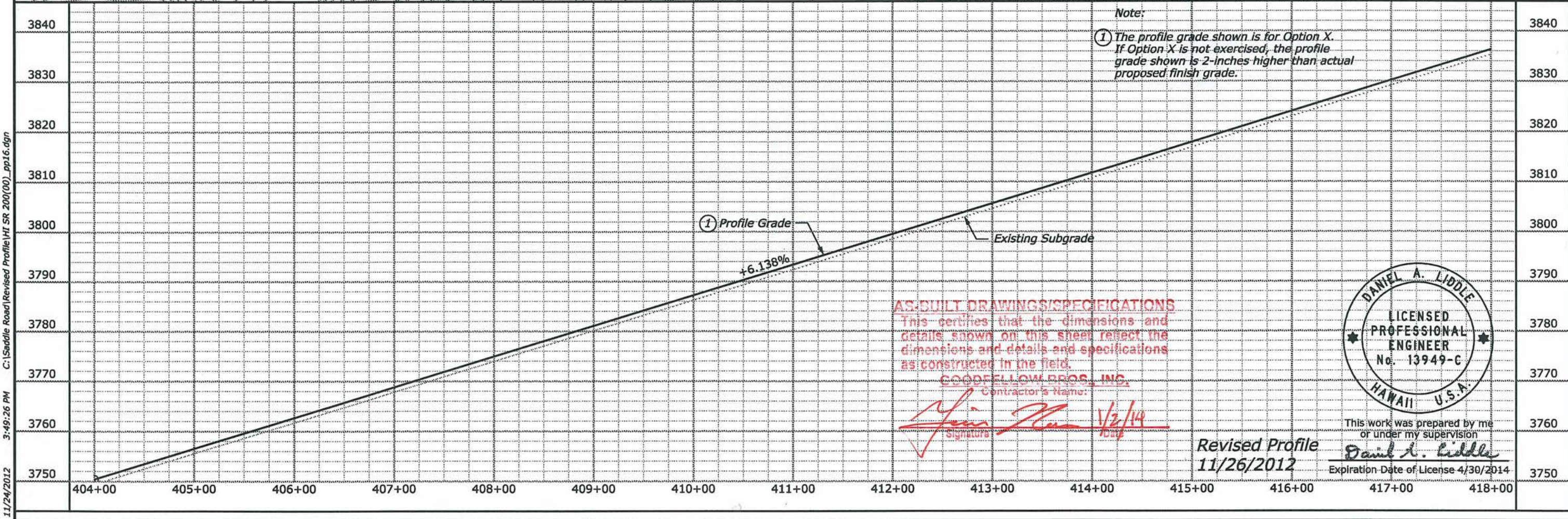
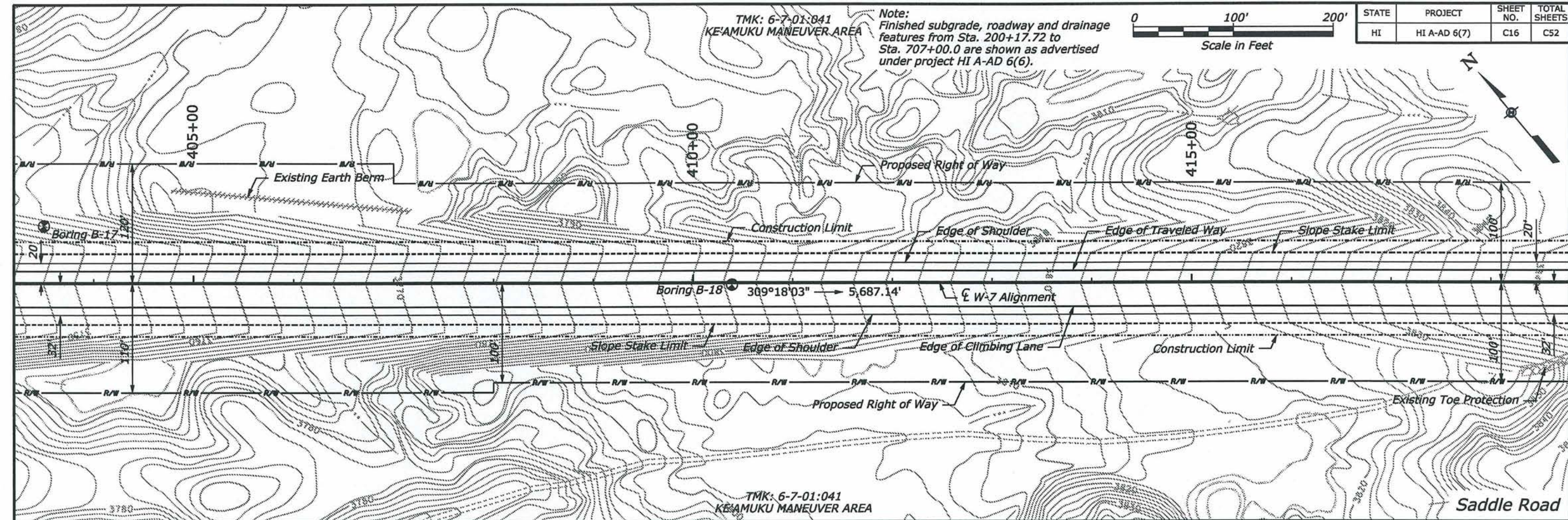
Revised Profile
11/26/2012

[Signature]
Expiration Date of License 4/30/2014

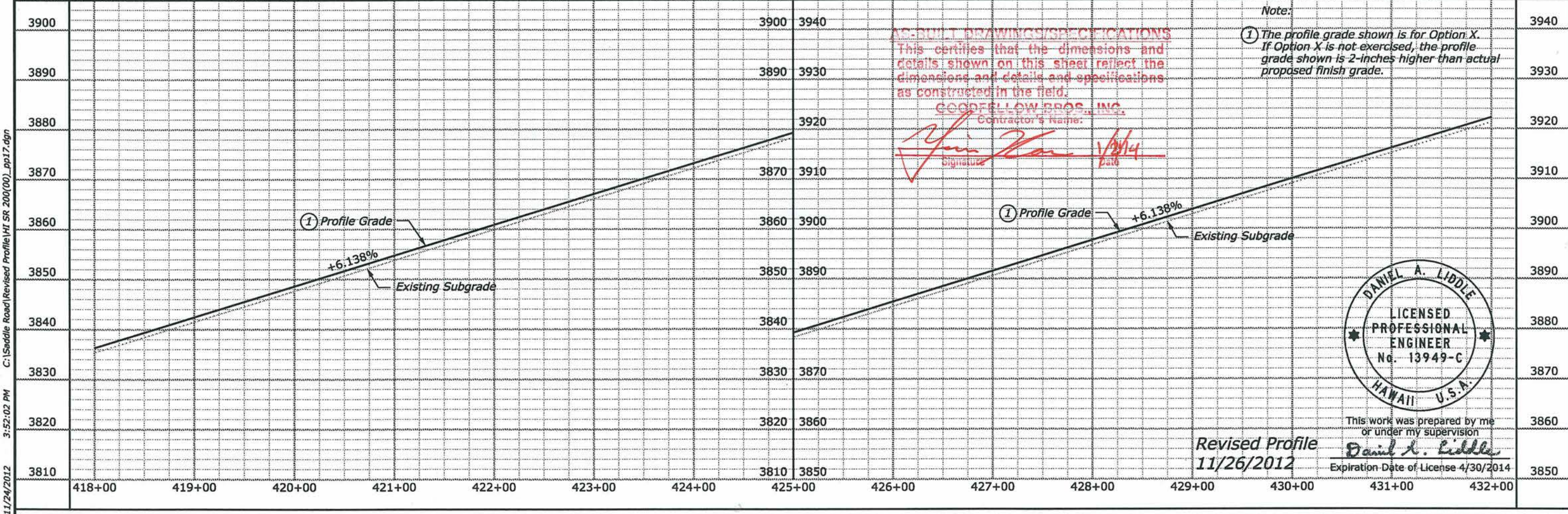
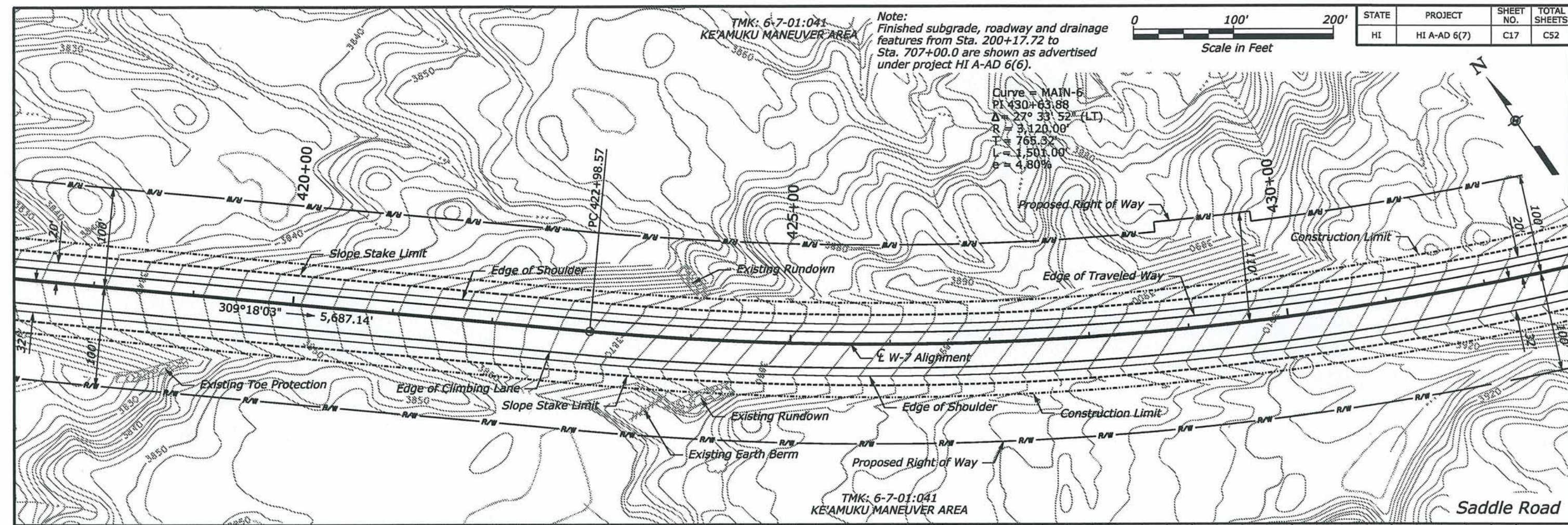
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11/24/2012



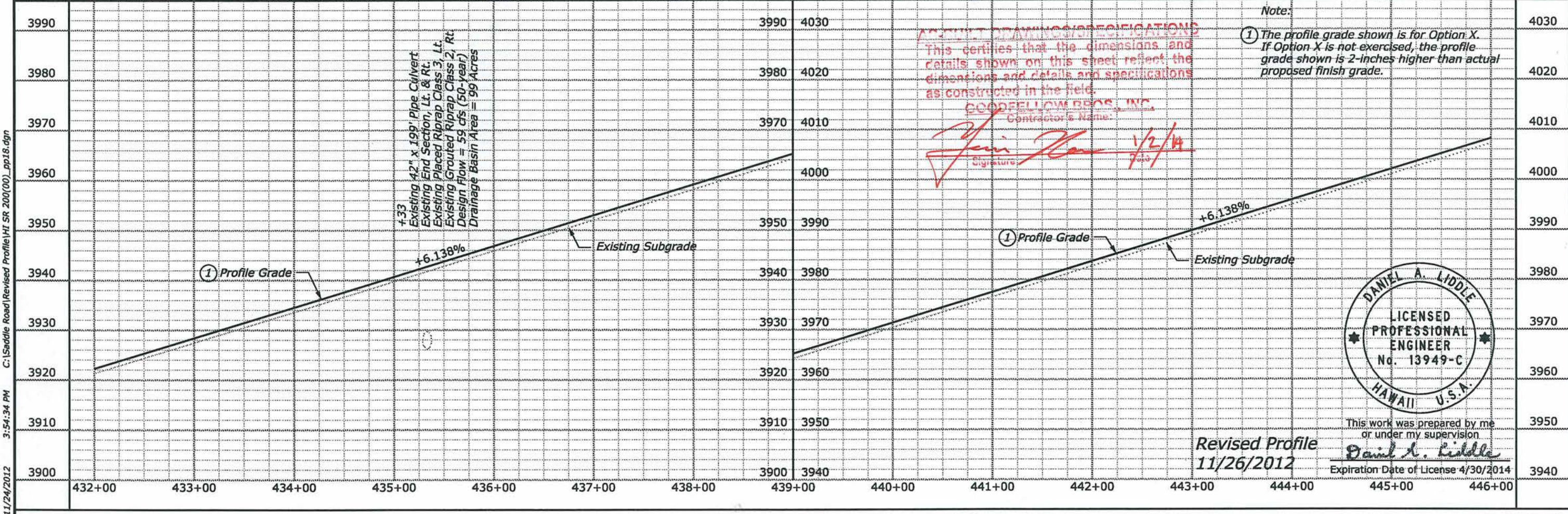
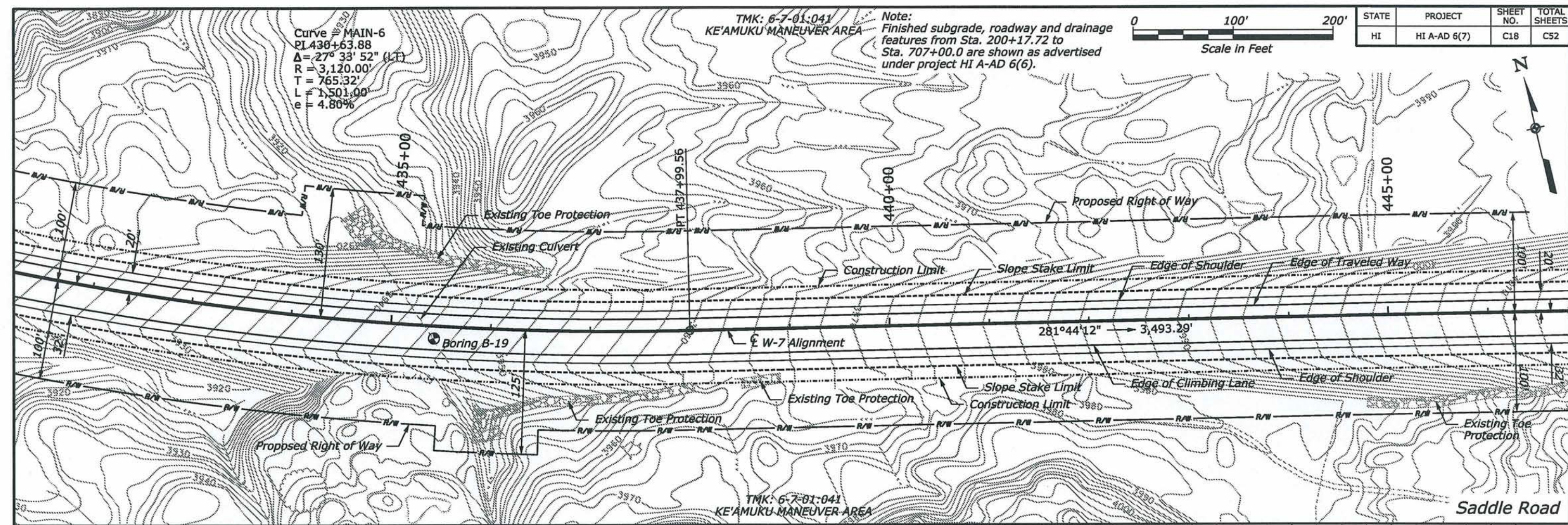
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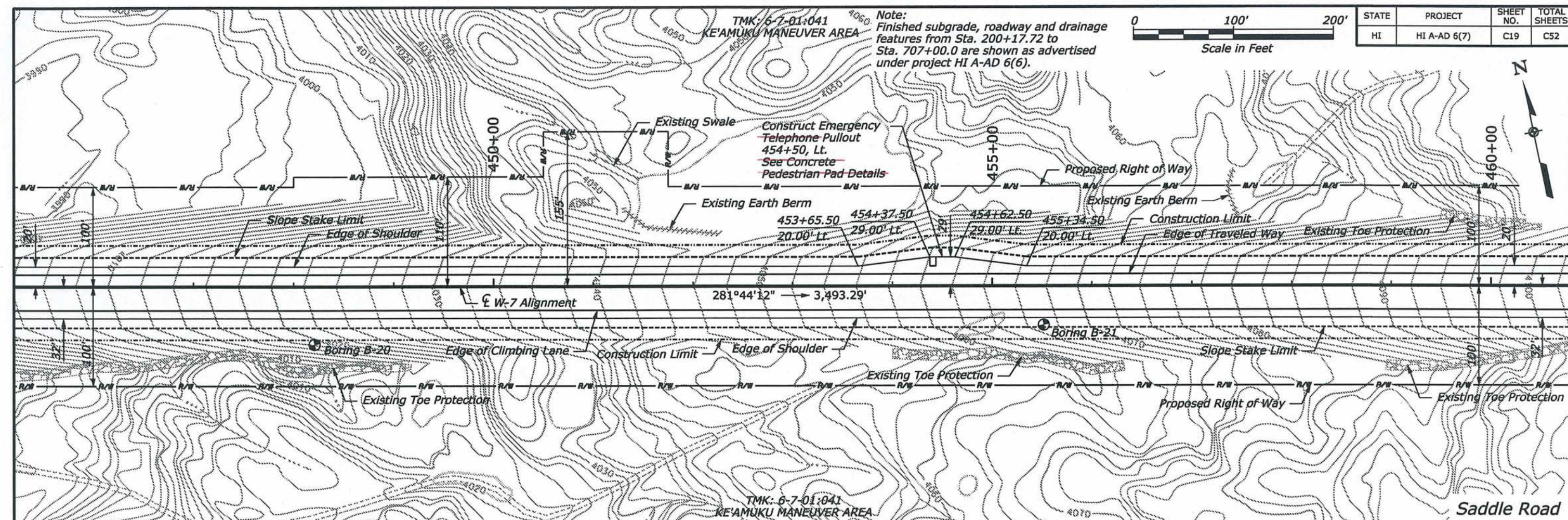
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11/24/2012



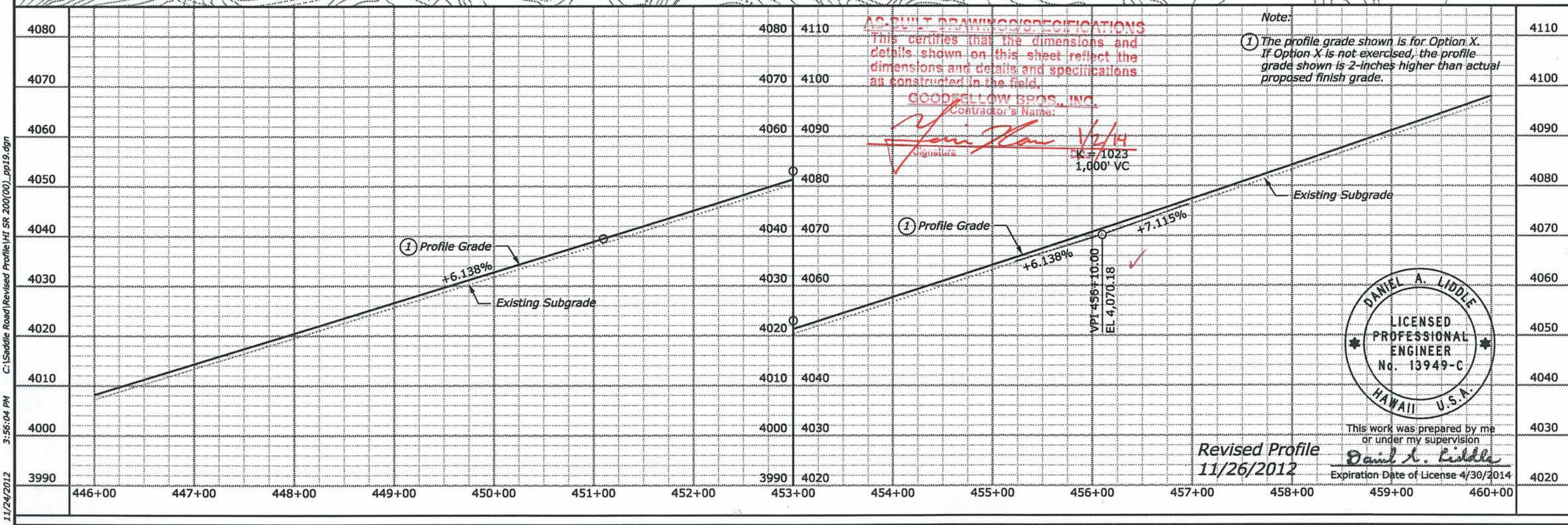
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AS-BUILT DRAWINGS/SPECIFICATIONS
 This certifies that the dimensions and details shown on this sheet reflect the dimensions and details and specifications as constructed in the field.

GOODFELLOW BROS., INC.
 Contractor's Name:
[Signature] 1/2/14
 CK # 1023
 1,000' VC

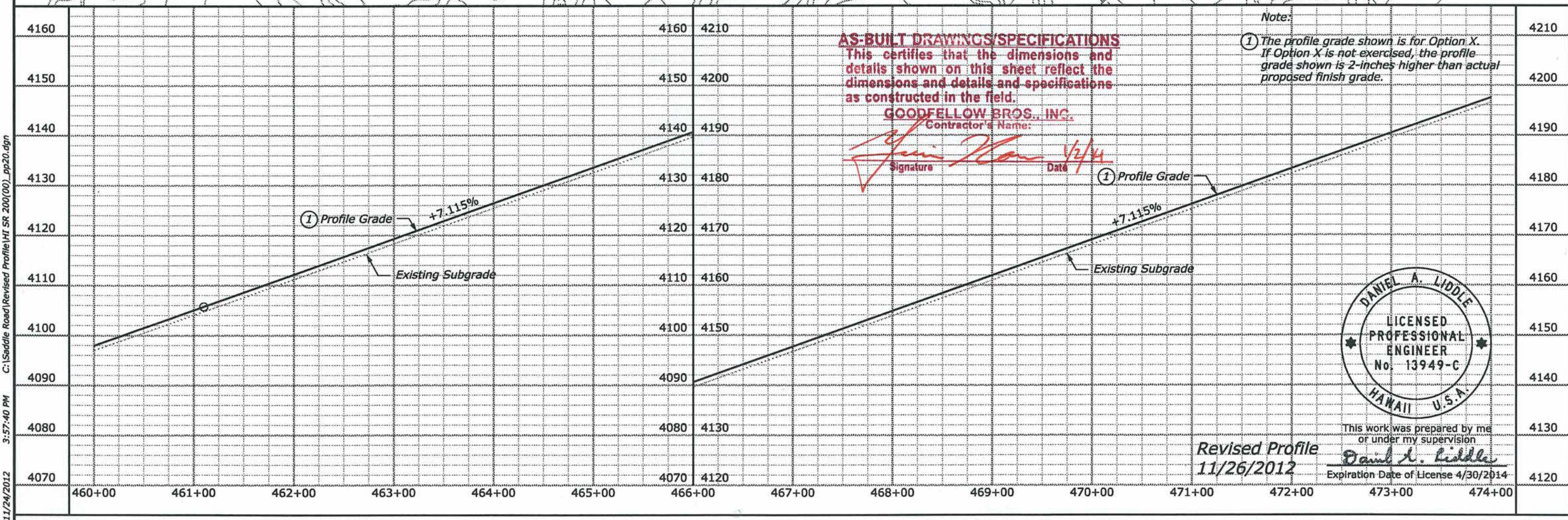
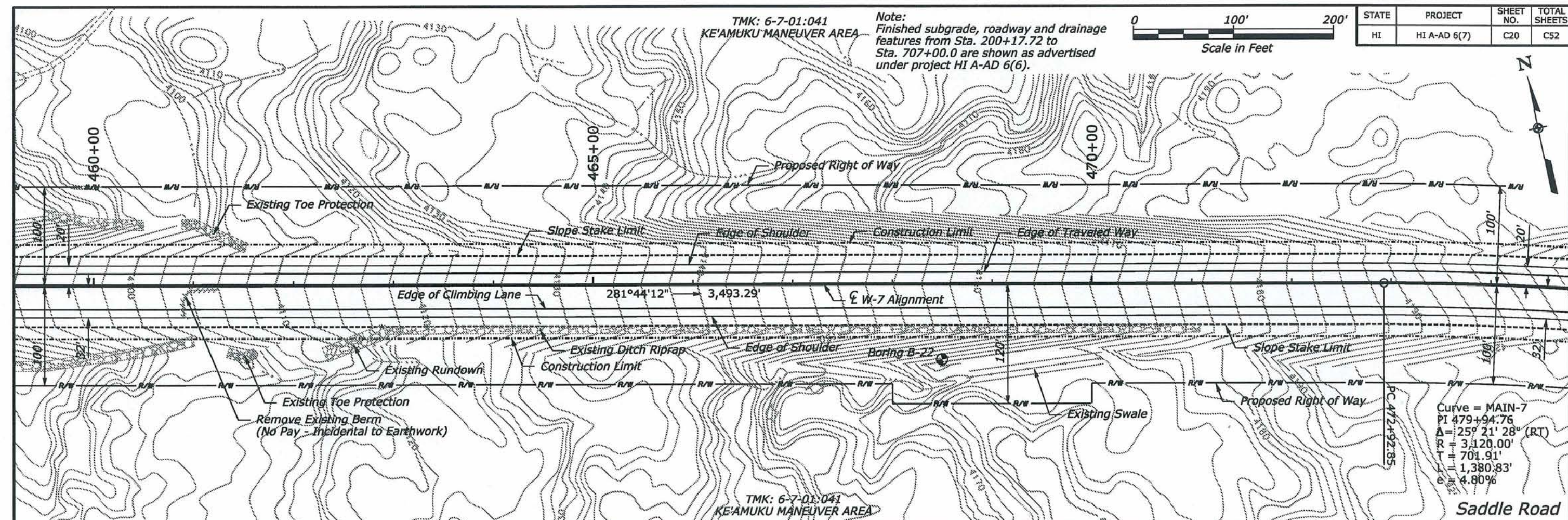
Note:
 ① The profile grade shown is for Option X. If Option X is not exercised, the profile grade shown is 2-inches higher than actual proposed finish grade.



DANIEL A. LIDDLE
 LICENSED PROFESSIONAL ENGINEER
 No. 13949-C
 HAWAII U.S.A.

This work was prepared by me or under my supervision
Daniel A. Liddle
 Expiration Date of License 4/30/2014

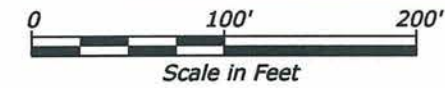
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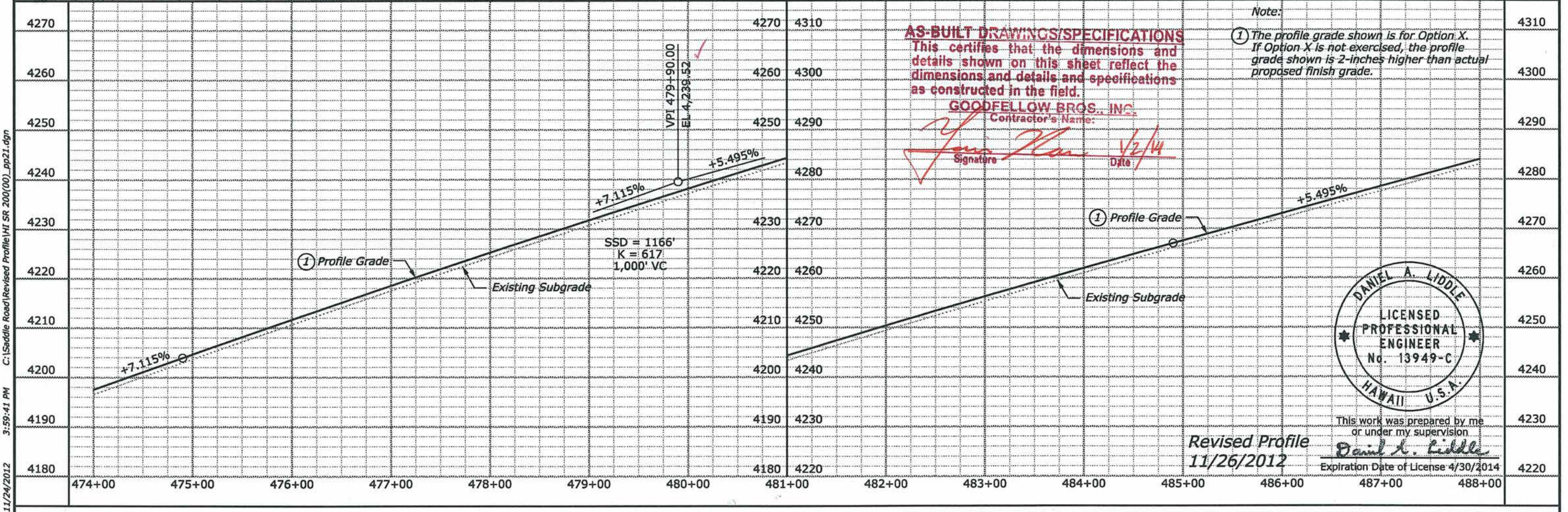
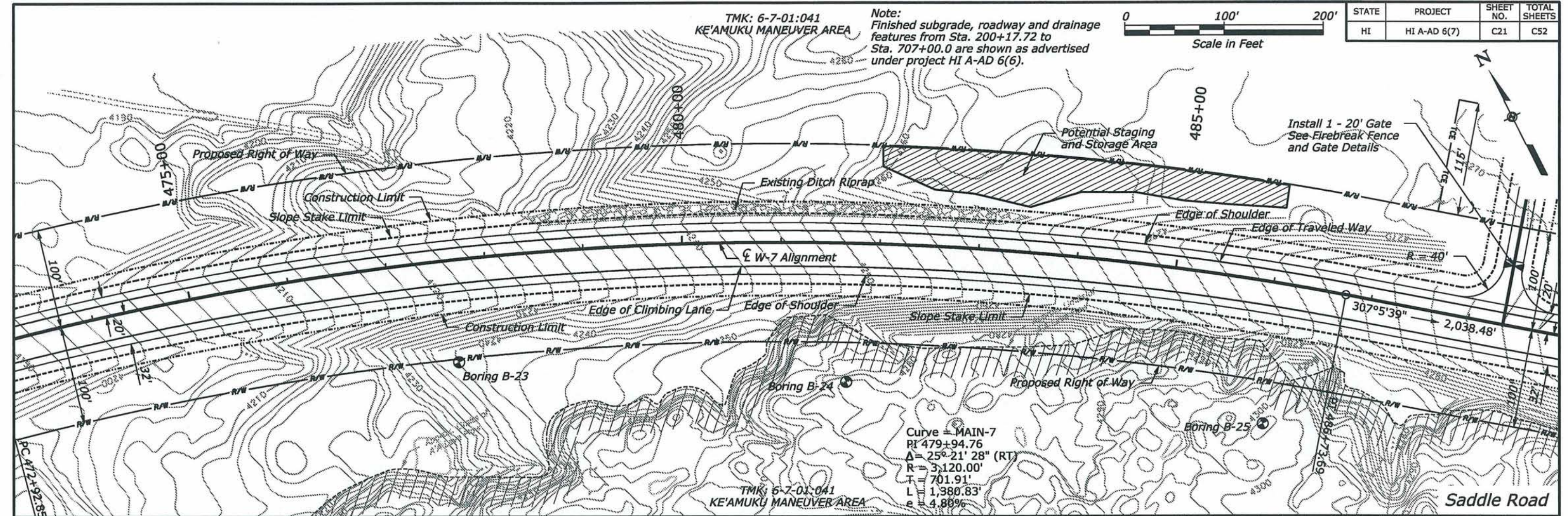
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TMK: 6-7-01:041
KE'AMUKU MANEUVER AREA

Note:
Finished subgrade, roadway and drainage
features from Sta. 200+17.72 to
Sta. 707+00.0 are shown as advertised
under project HI A-AD 6(6).



STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C21	C52



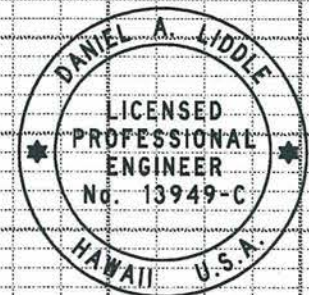
AS-BUILT DRAWINGS/SPECIFICATIONS
This certifies that the dimensions and
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as constructed in the field.

GOODFELLOW BROS., INC.
Contractor's Name:

[Signature] 12/14
Signature Date

Note:

- The profile grade shown is for Option X. If Option X is not exercised, the profile grade shown is 2-inches higher than actual proposed finish grade.



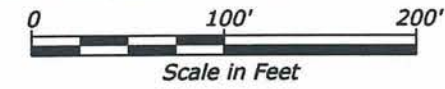
Revised Profile
11/26/2012

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or under my supervision
[Signature]
Expiration Date of License 4/30/2014

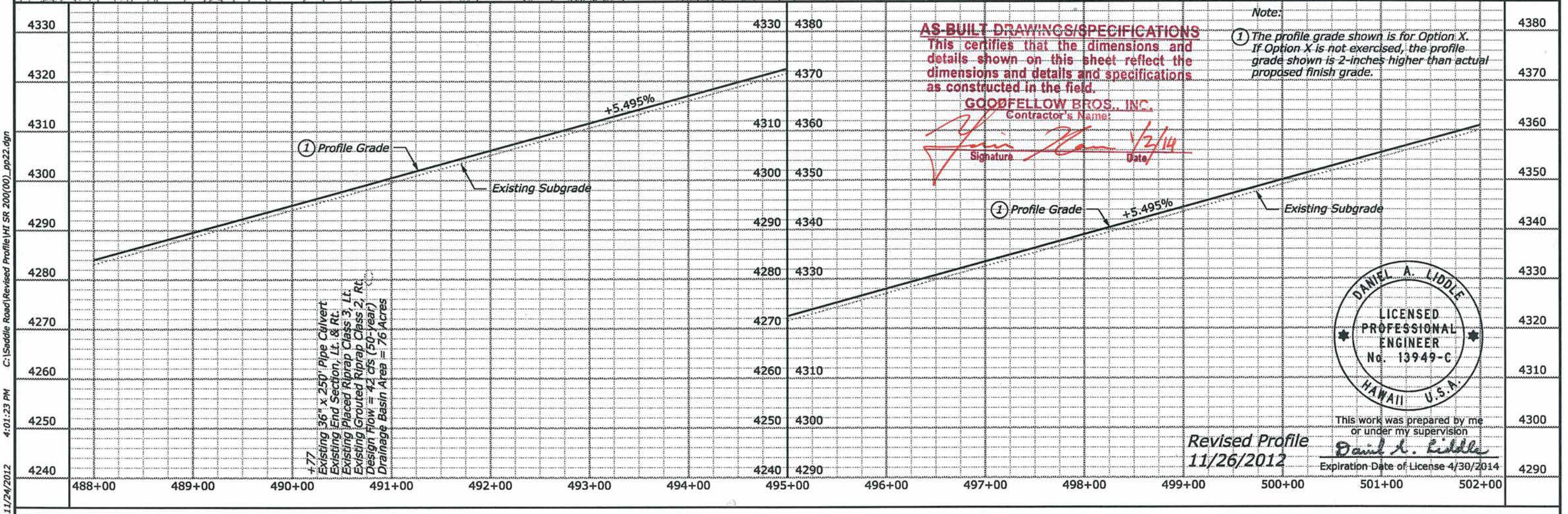
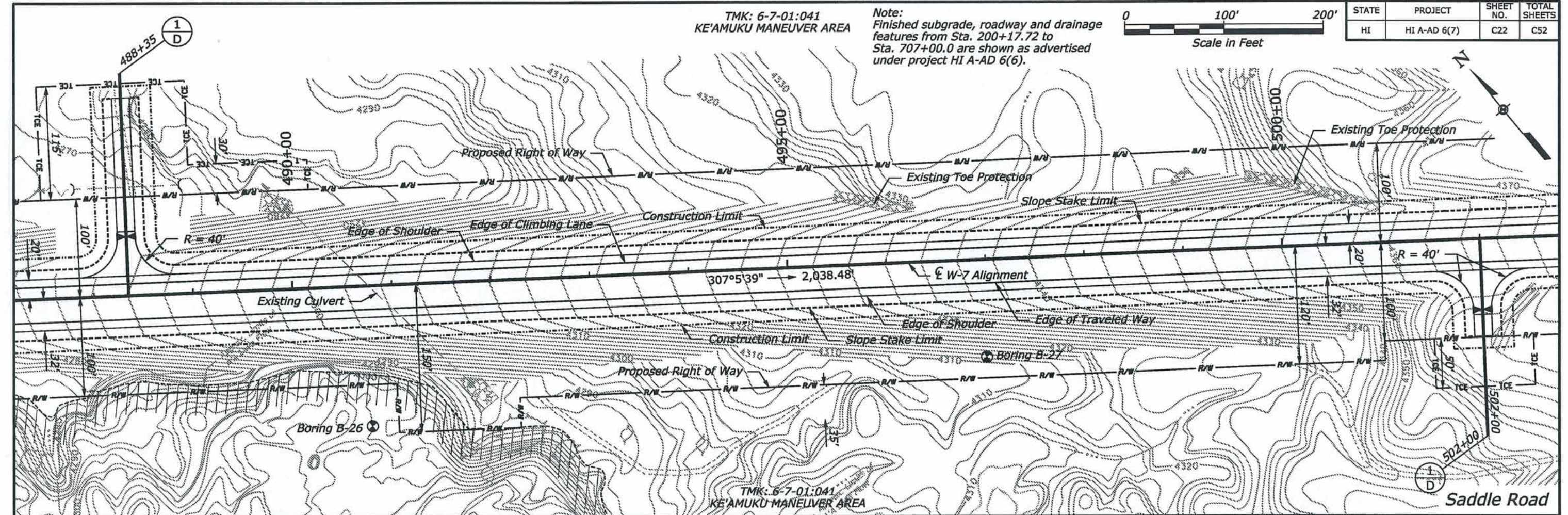
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TMK: 6-7-01:041
KE'AMUKU MANEUVER AREA

Note:
Finished subgrade, roadway and drainage
features from Sta. 200+17.72 to
Sta. 707+00.0 are shown as advertised
under project HI A-AD 6(6).

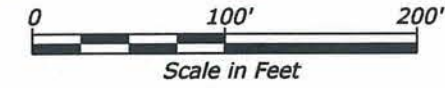


STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C22	C52

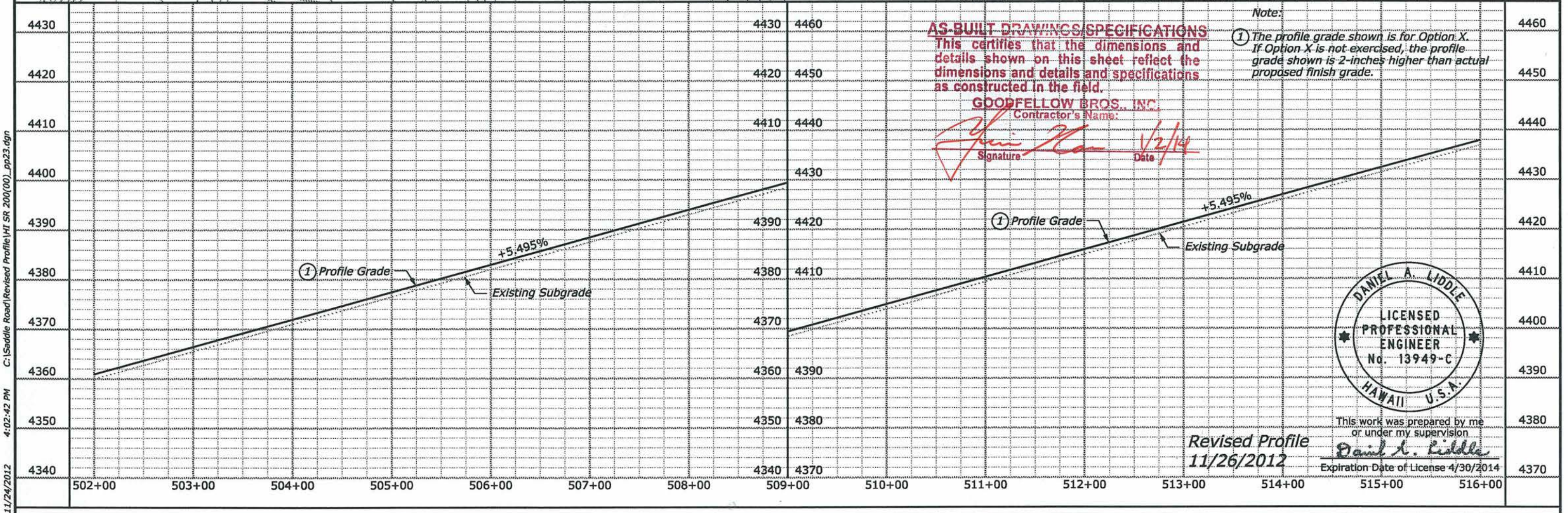
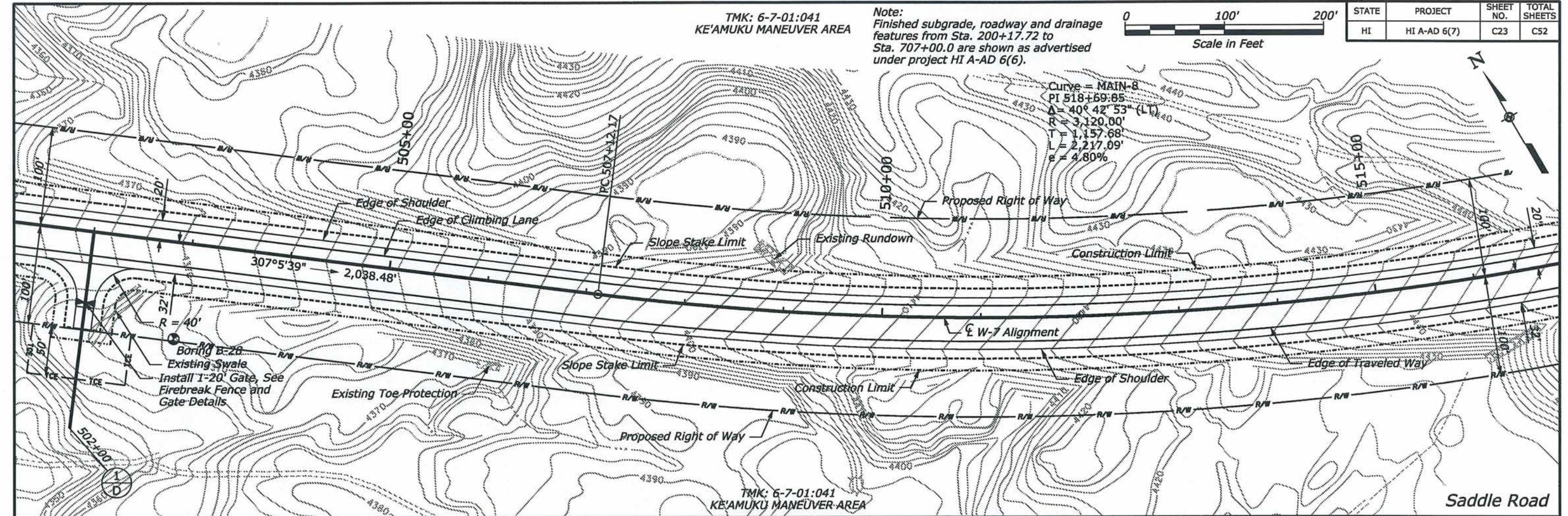


TMK: 6-7-01:041
KE'AMUKU MANEUVER AREA

Note:
Finished subgrade, roadway and drainage
features from Sta. 200+17.72 to
Sta. 707+00.0 are shown as advertised
under project HI A-AD 6(6).



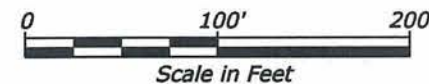
STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C23	C52



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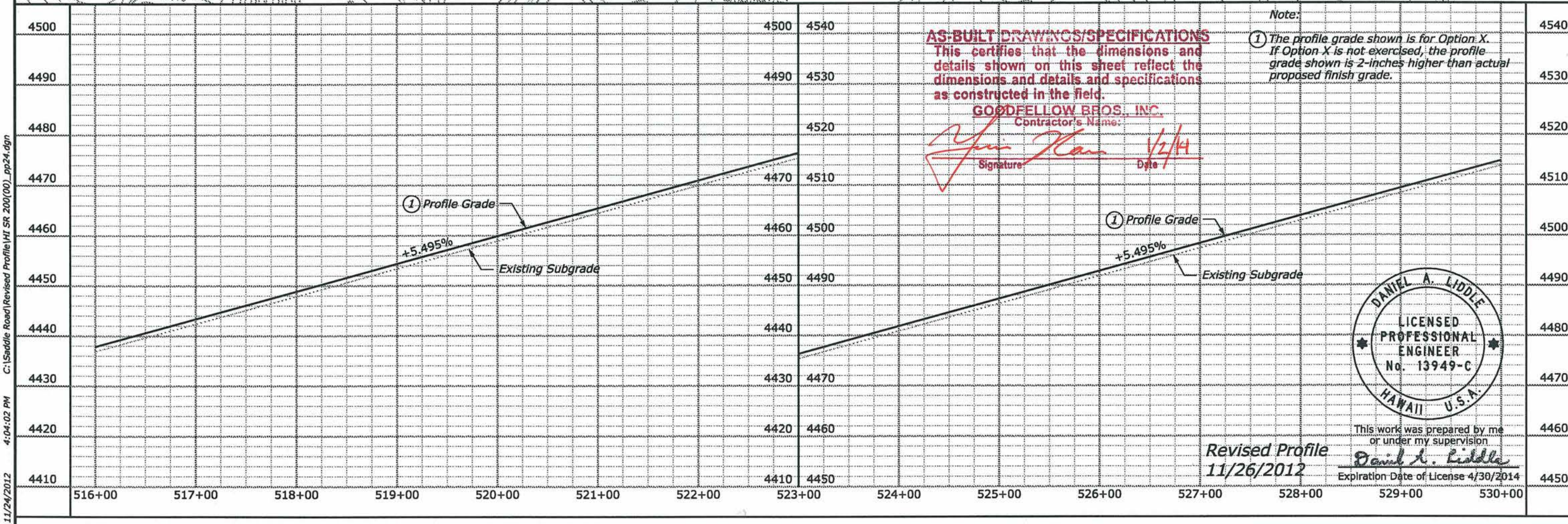
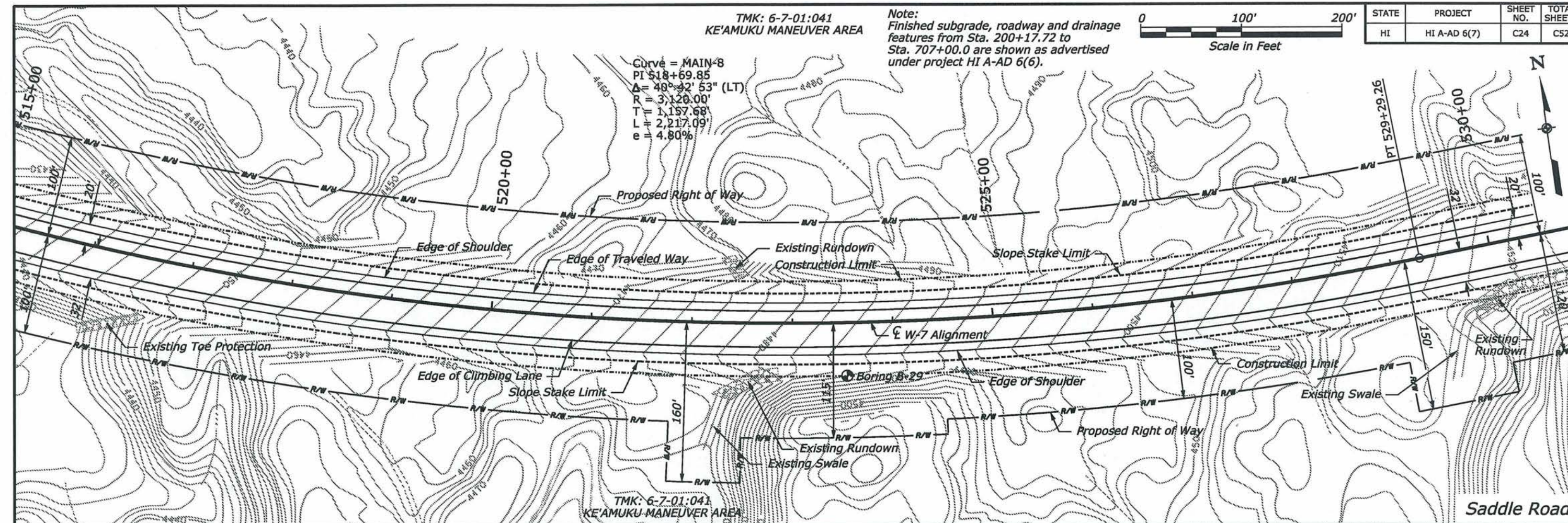
TMK: 6-7-01:041
KE'AMUKU MANEUVER AREA

Note:
Finished subgrade, roadway and drainage
features from Sta. 200+17.72 to
Sta. 707+00.0 are shown as advertised
under project HI A-AD 6(6).



STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C24	C52

Curve = MAIN-8
PI 518+69.85
 $\Delta = 40^\circ 42' 53''$ (LT)
 $R = 3,120.00'$
 $T = 1,157.68'$
 $L = 2,217.09'$
 $e = 4.80\%$

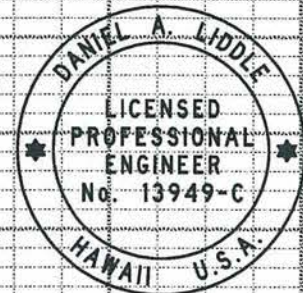


AS-BUILT DRAWINGS/SPECIFICATIONS
This certifies that the dimensions and
details shown on this sheet reflect the
dimensions and details and specifications
as constructed in the field.

GOODFELLOW BROS., INC.
Contractor's Name:

Signature: *[Signature]* Date: 1/2/14

Note:
① The profile grade shown is for Option X.
If Option X is not exercised, the profile
grade shown is 2-inches higher than actual
proposed finish grade.



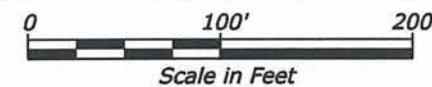
Revised Profile
11/26/2012

This work was prepared by me
or under my supervision
[Signature]
Expiration Date of License 4/30/2014

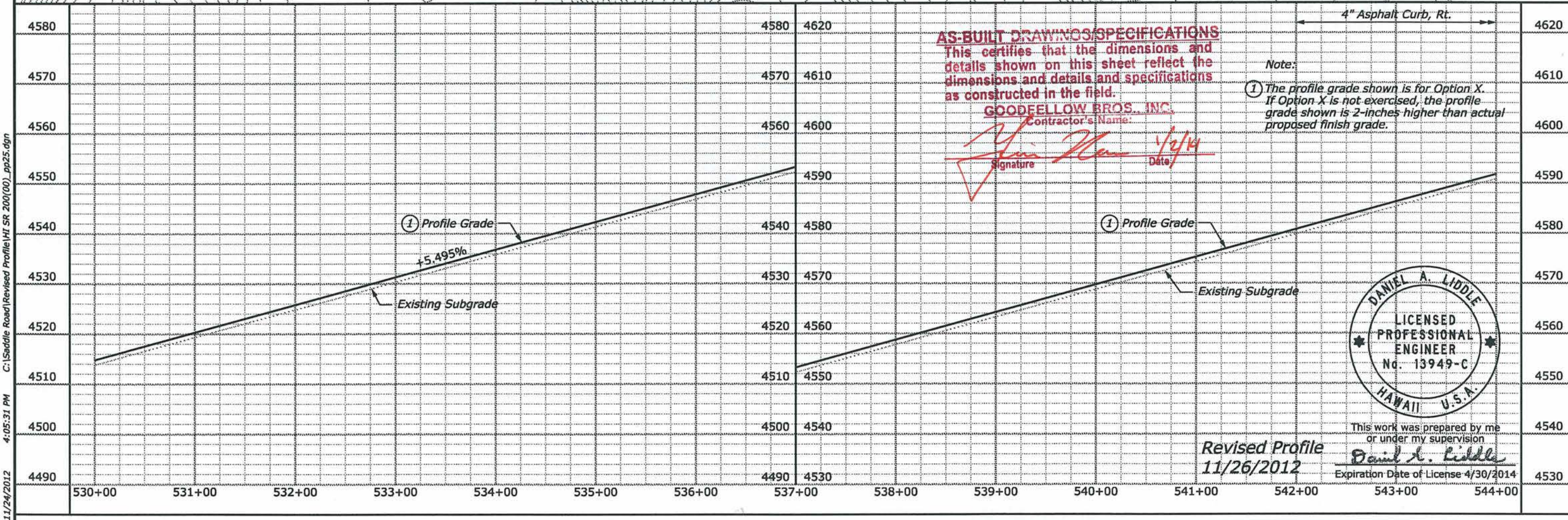
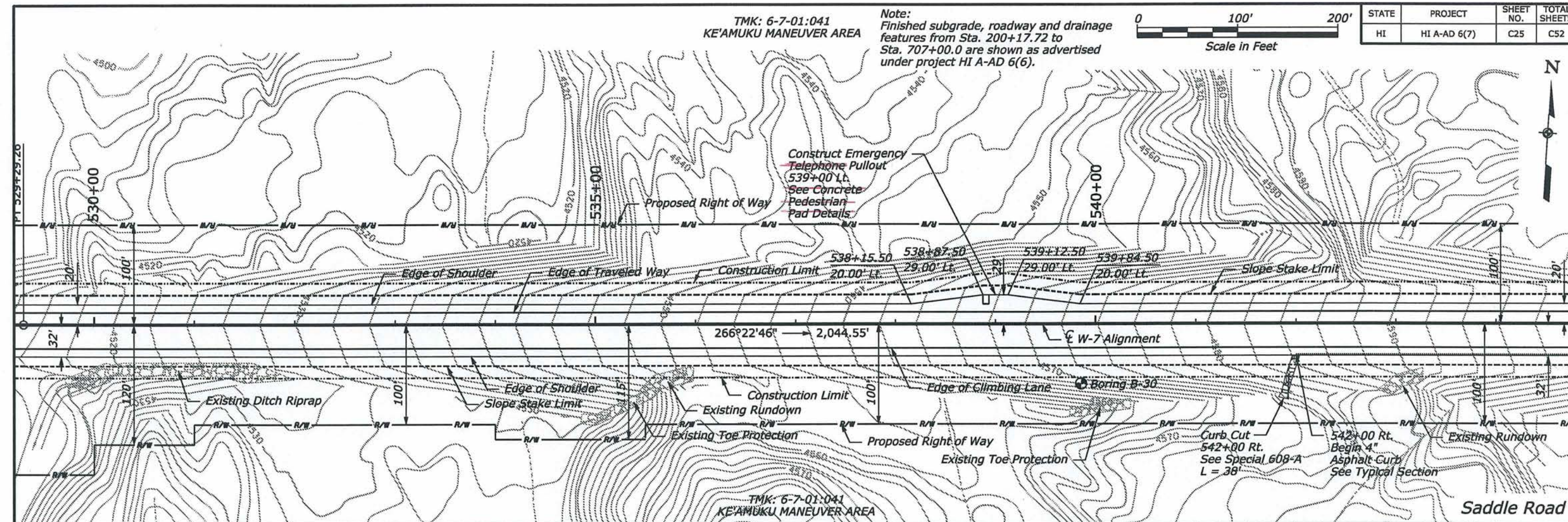
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TMK: 6-7-01:041
KE'AMUKU MANEUVER AREA

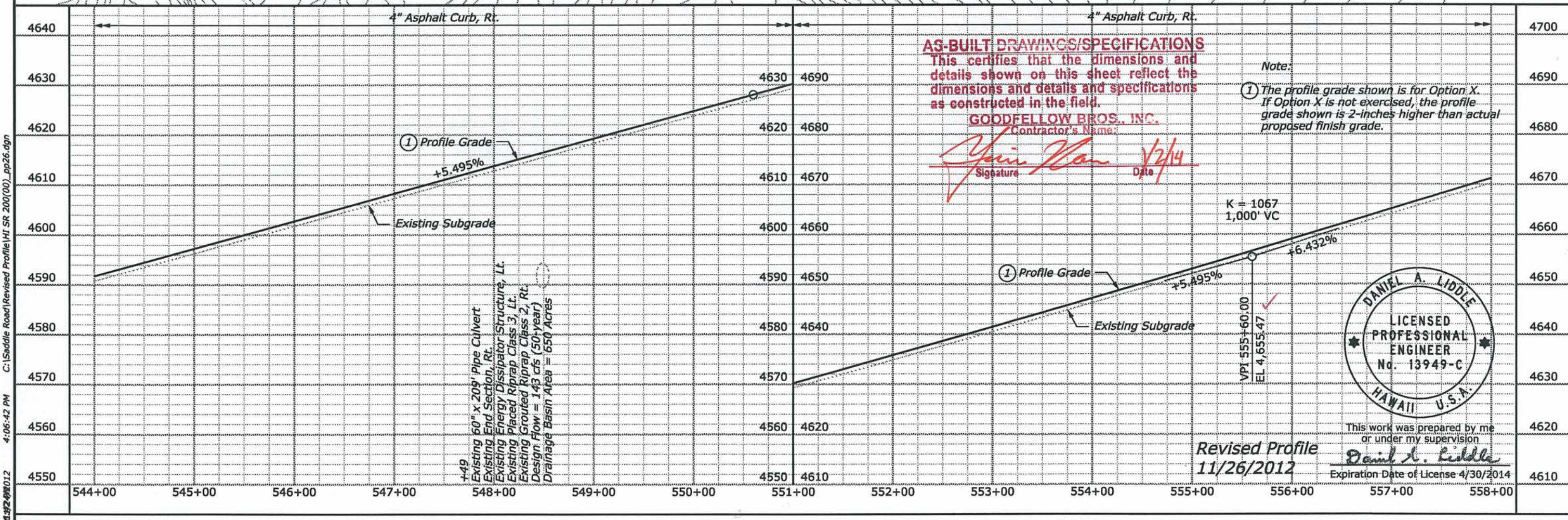
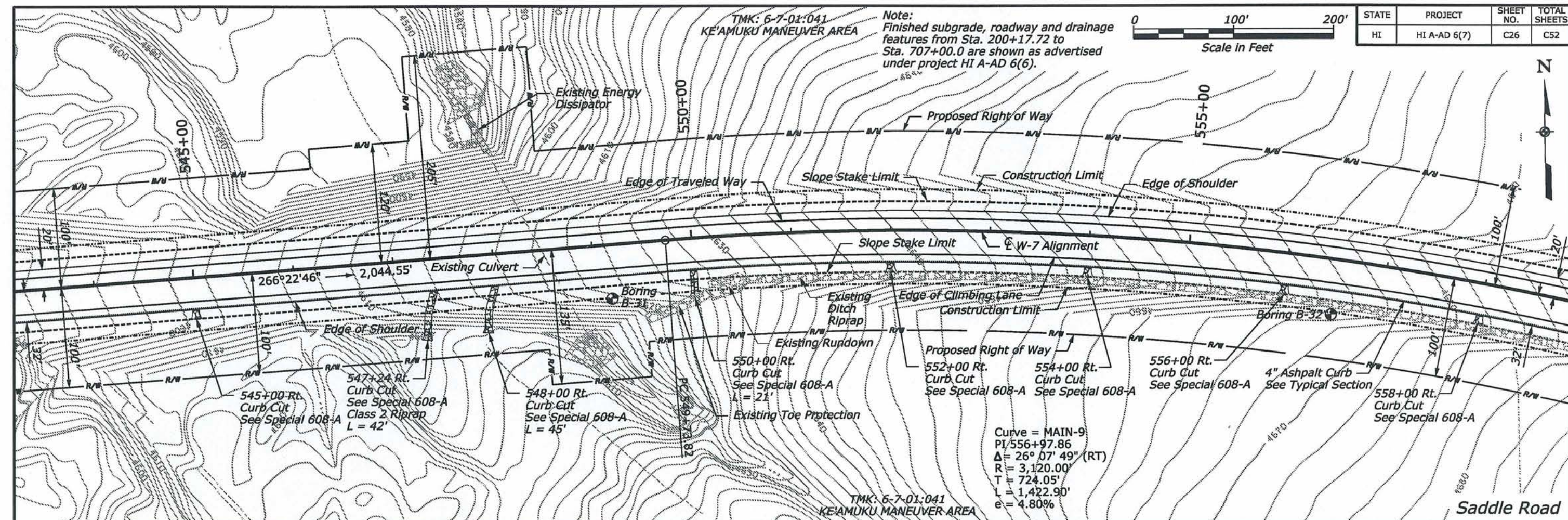
Note:
Finished subgrade, roadway and drainage
features from Sta. 200+17.72 to
Sta. 707+00.0 are shown as advertised
under project HI A-AD 6(6).



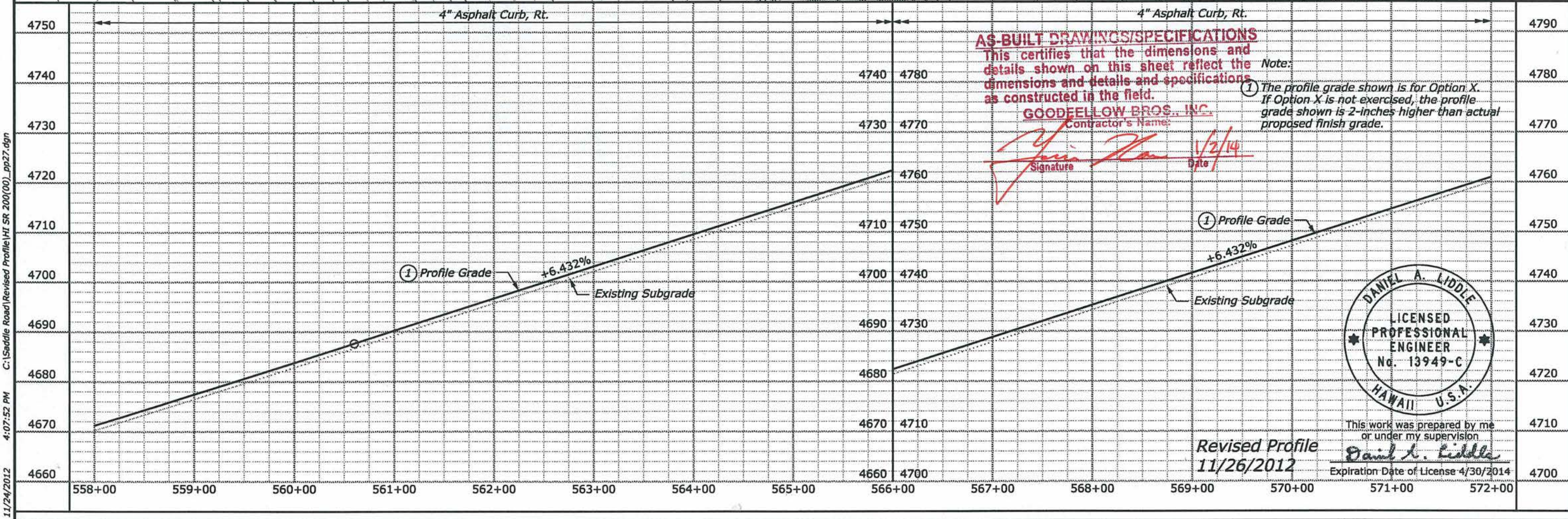
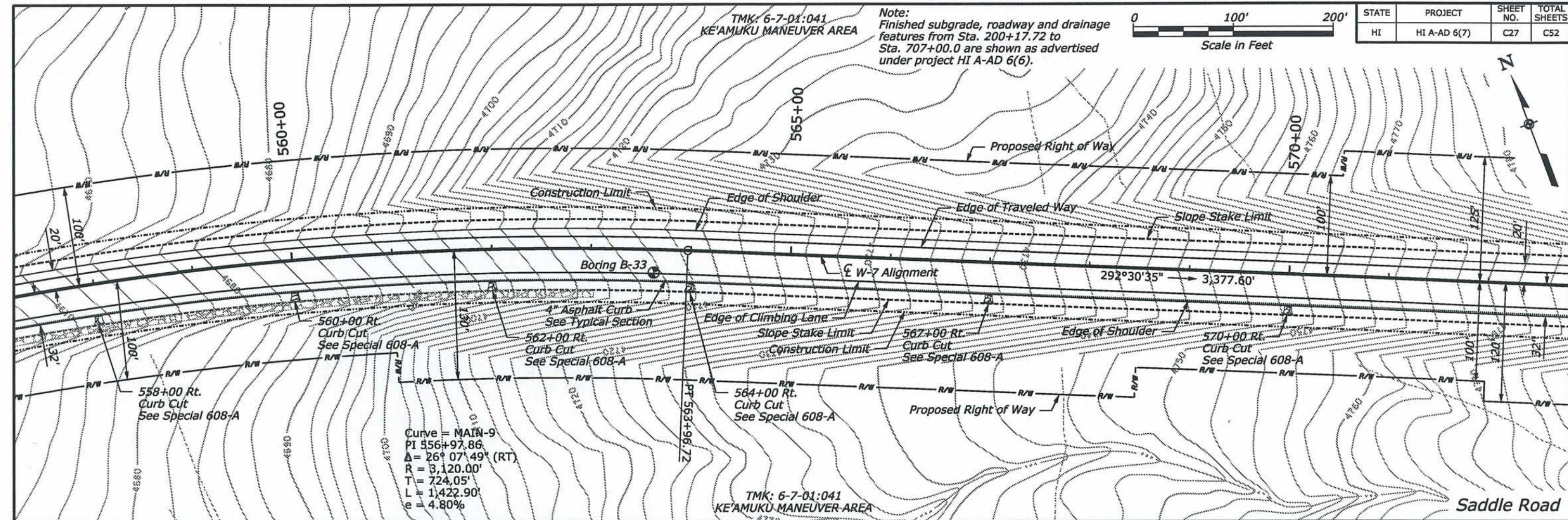
STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C25	C52



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C:\Saddle Road\Revised Profile\HI SR 200\000_pp26.dgn
4:06:42 PM
4:06:42 PM

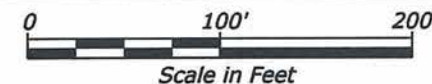


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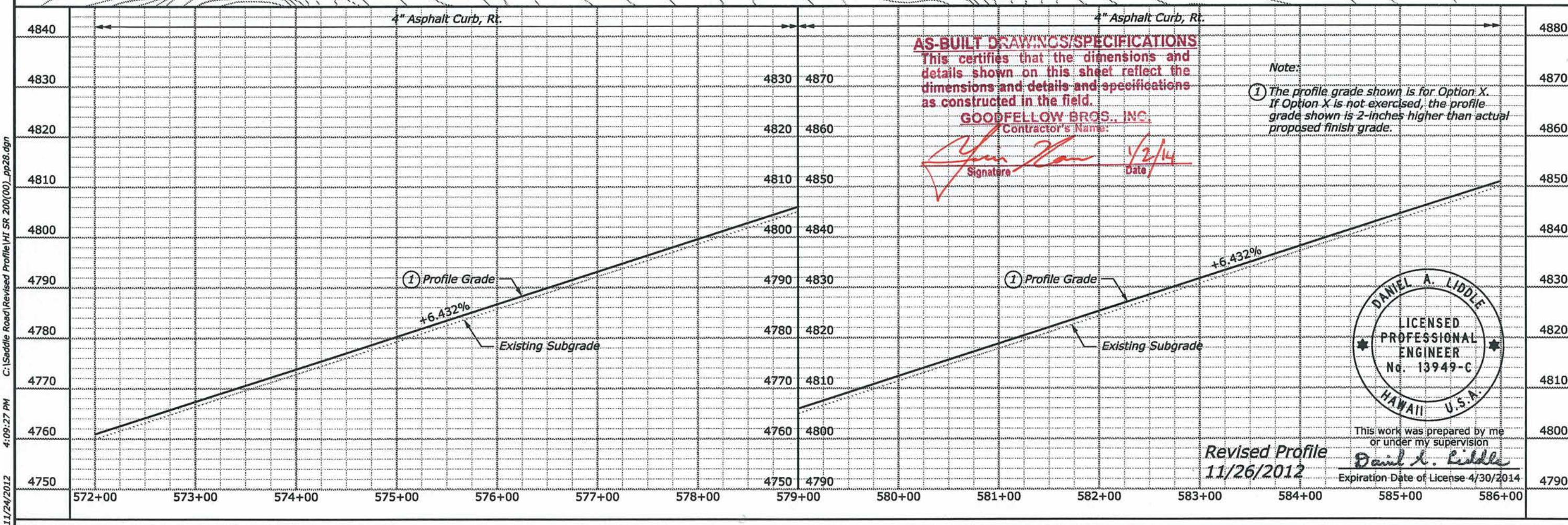
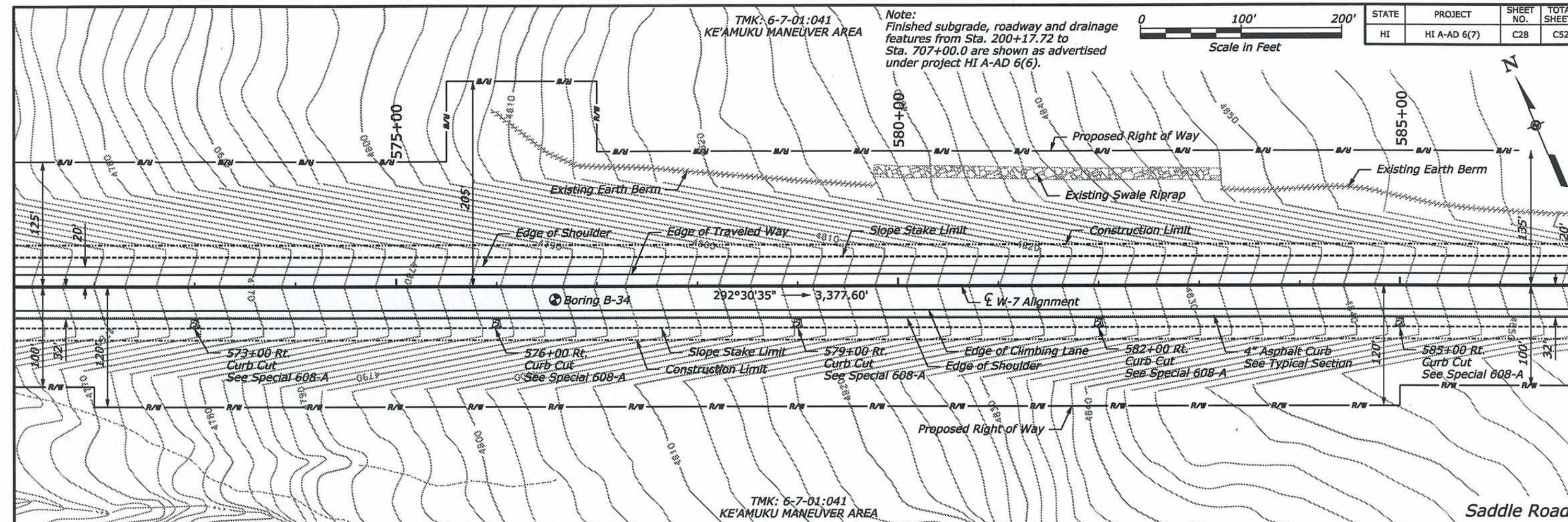
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11/24/2012 4:09:27 PM

TMK: 6-7-01:041
KE'AMUKU MANEUVER AREA

Note:
Finished subgrade, roadway and drainage
features from Sta. 200+17.72 to
Sta. 707+00.0 are shown as advertised
under project HI A-AD 6(6).

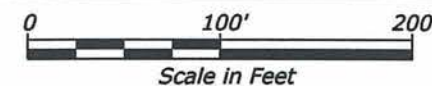


STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C28	C52



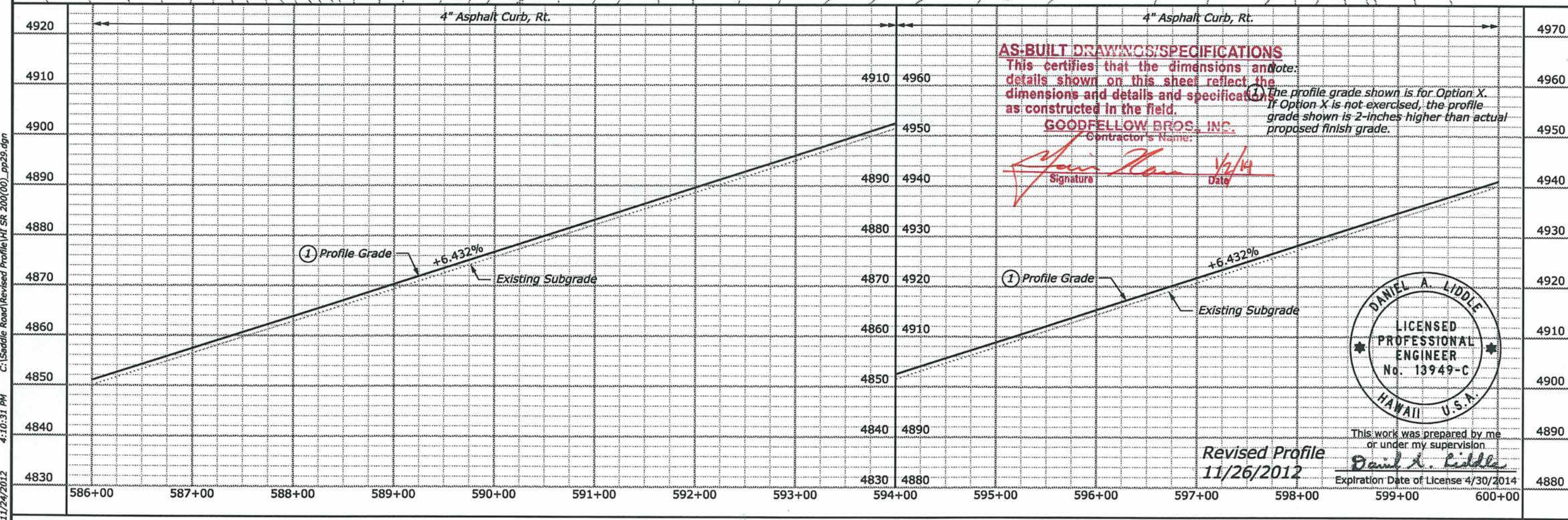
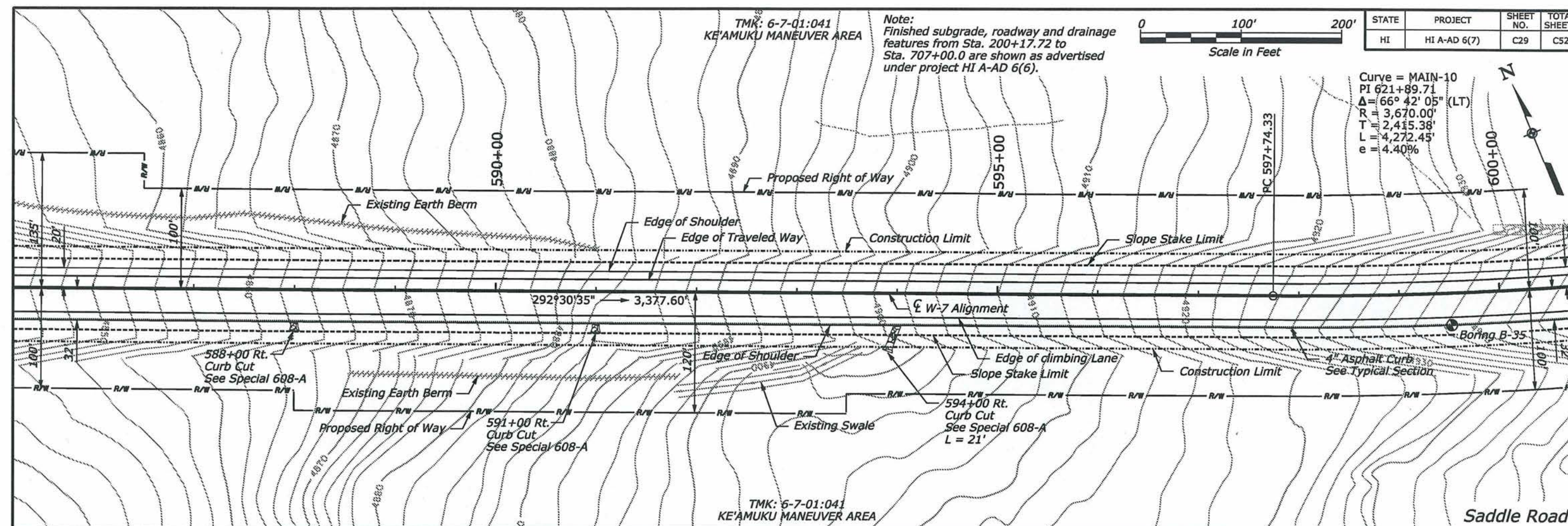
TMK: 6-7-01:041
KE'AMUKU MANEUVER AREA

Note:
Finished subgrade, roadway and drainage
features from Sta. 200+17.72 to
Sta. 707+00.0 are shown as advertised
under project HI A-AD 6(6).

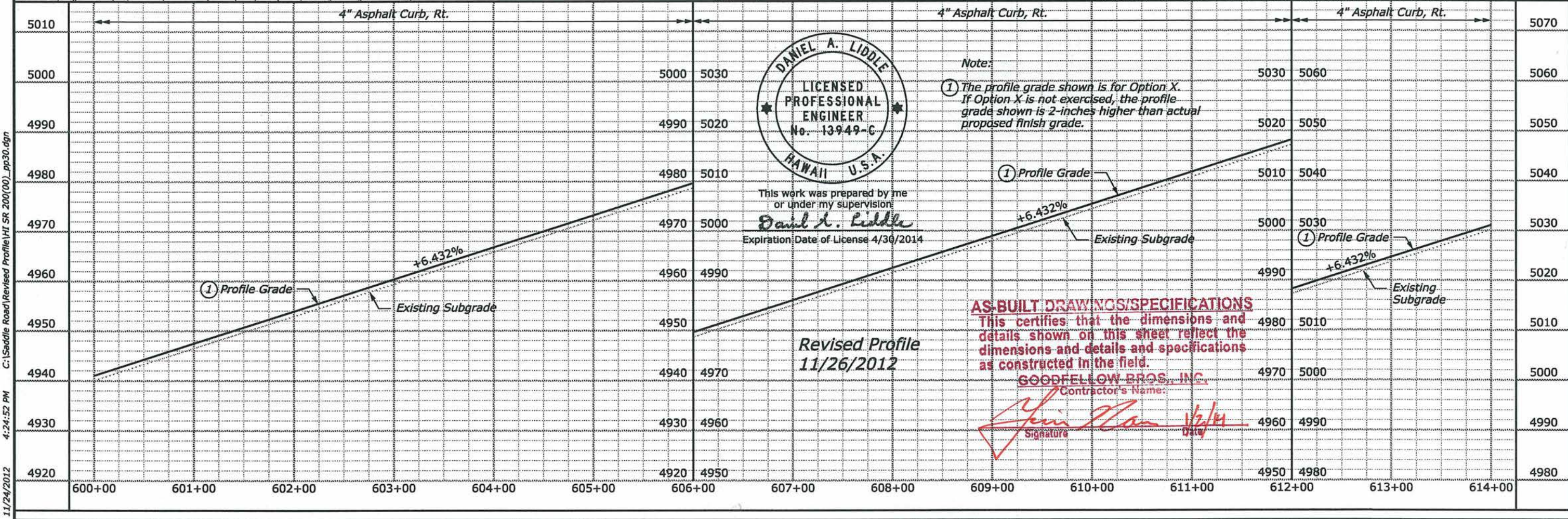
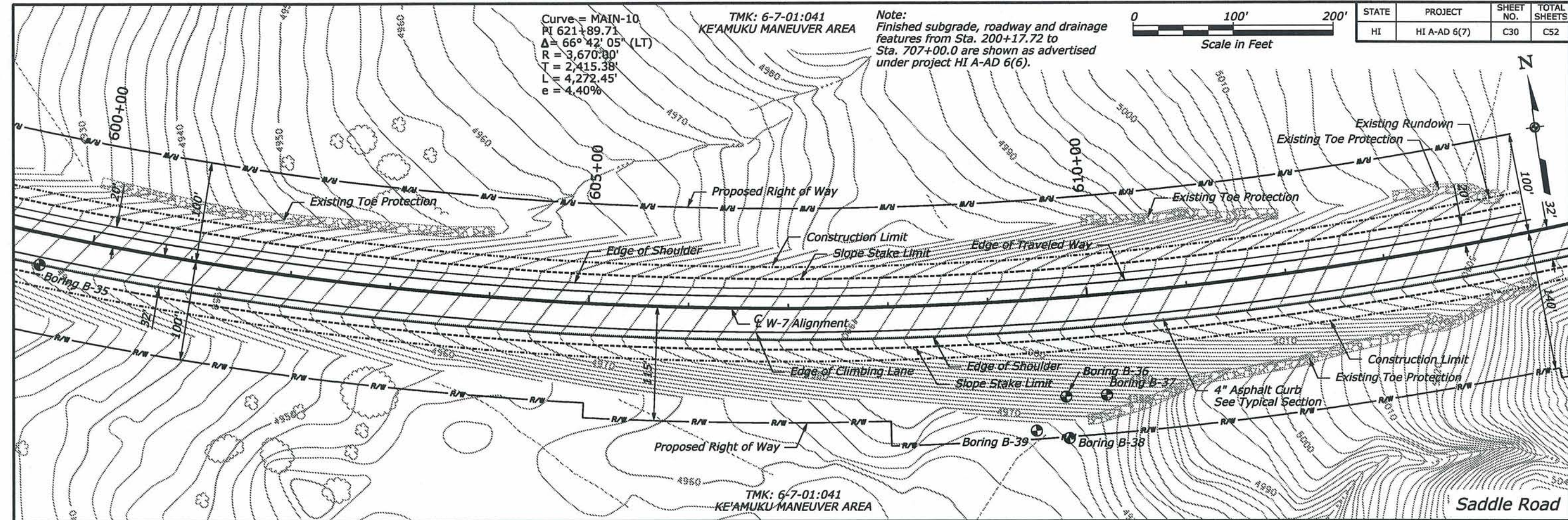


STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C29	C52

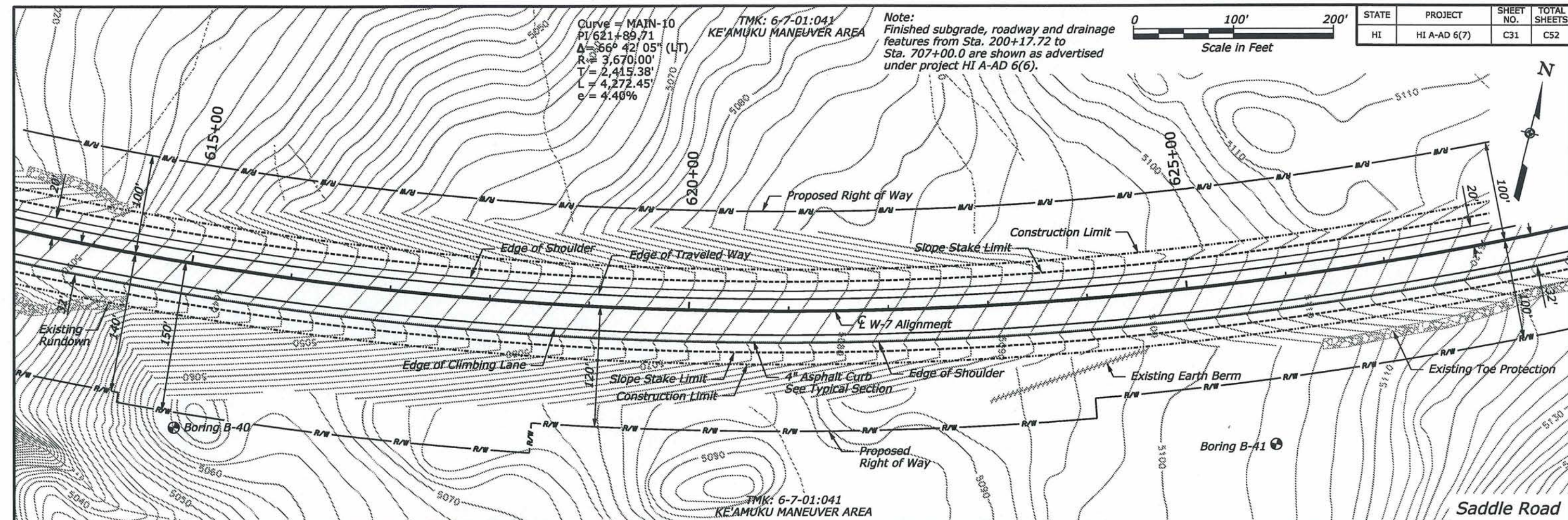
Curve = MAIN-10
PI 621+89.71
 $\Delta = 66^\circ 42' 05''$ (LT)
R = 3,670.00'
T = 2,415.38'
L = 4,272.45'
e = 4.40%



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11/24/2012 4:24:52 PM C:\Saddle Road\Revised Profile\HI SR 200(00)_pp30.dgn



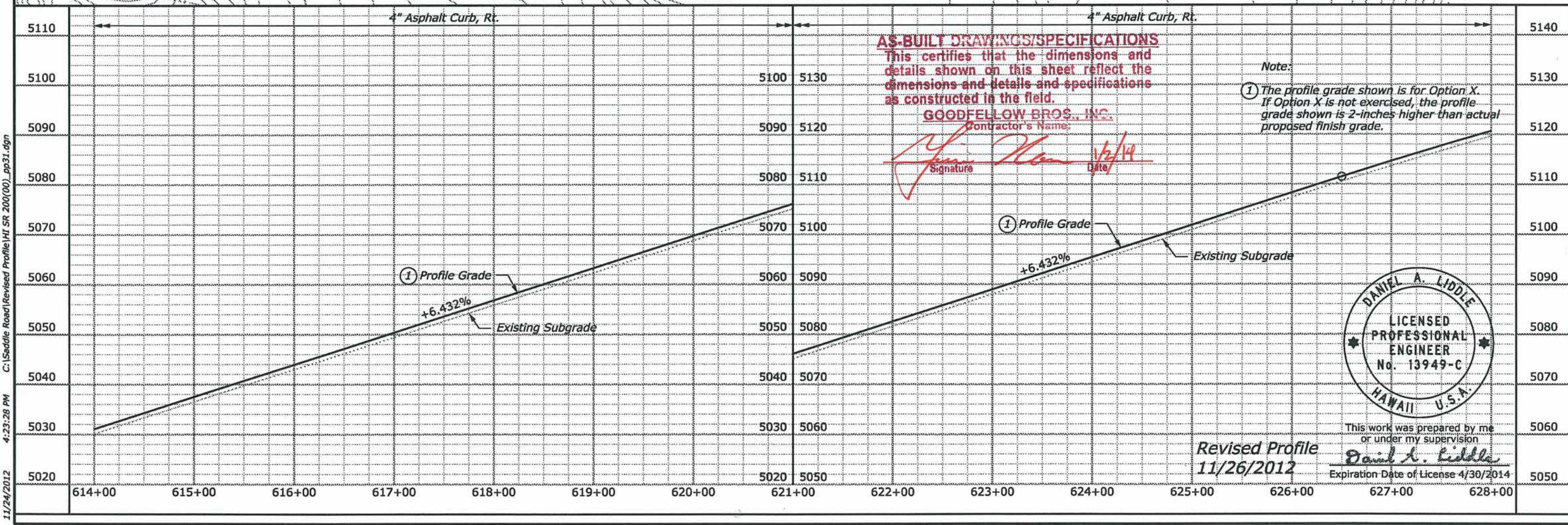
Curve = MAIN-10
 PI 621+89.71
 $\Delta = 66^\circ 42' 05"$ (LT)
 $R = 3,670.00'$
 $T = 2,415.38'$
 $L = 4,272.45'$
 $e = 4.46\%$

TMK: 6-7-01:041
 KE'AMUKU MANEUVER AREA

Note:
 Finished subgrade, roadway and drainage features from Sta. 200+17.72 to Sta. 707+00.0 are shown as advertised under project HI A-AD 6(6).



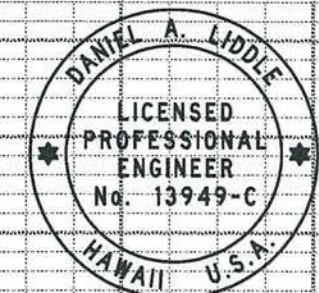
STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C31	C52



AS-BUILT DRAWINGS/SPECIFICATIONS
 This certifies that the dimensions and details shown on this sheet reflect the dimensions and details and specifications as constructed in the field.
GOODFELLOW BROS., INC.
 Contractor's Name:

[Signature]
 Signature Date: 1/2/14

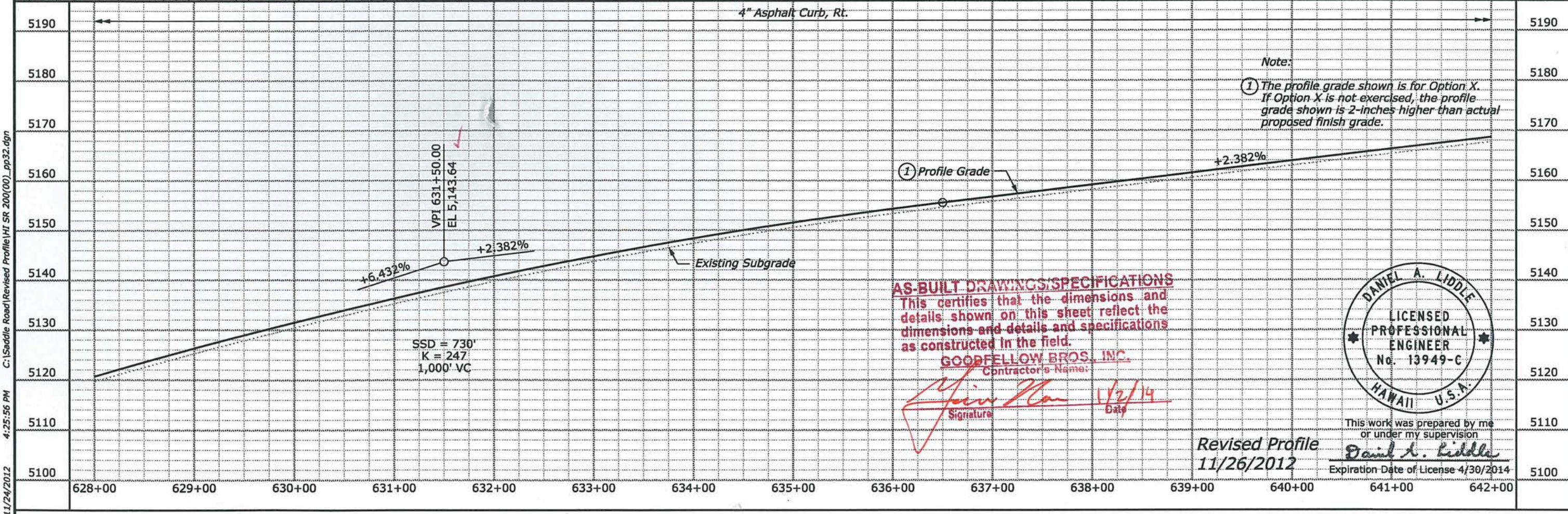
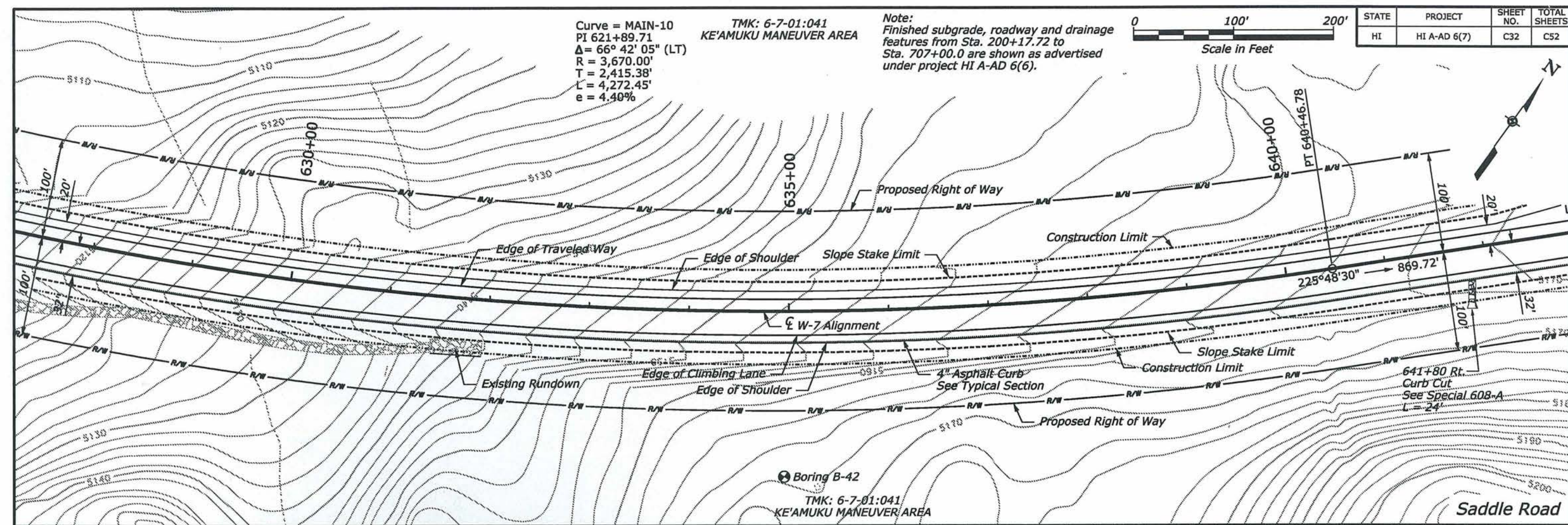
Note:
 ① The profile grade shown is for Option X. If Option X is not exercised, the profile grade shown is 2-inches higher than actual proposed finish grade.



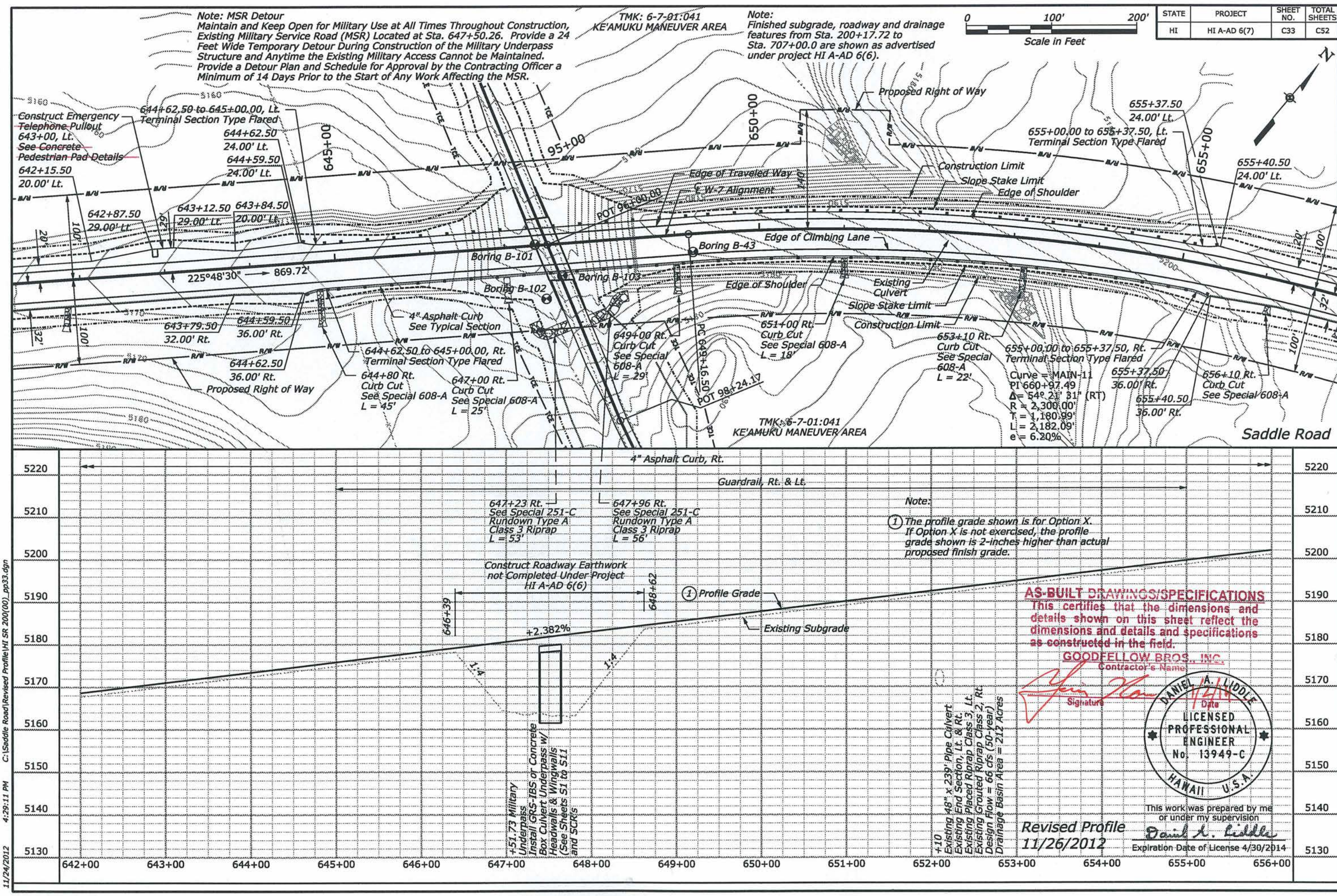
Revised Profile
 11/26/2012

This work was prepared by me or under my supervision
Daniel A. Liddle
 Expiration Date of License 4/30/2014

C:\Saddle Road\Revised Profile\HI SR 200\000\ pp31.dgn 11/24/2012 4:23:28 PM



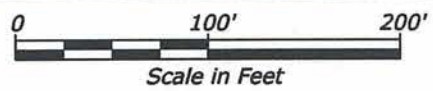
11/24/2012 4:25:56 PM C:\Saddle Road\Revised Profile\HI SR 200(00)_pp32.dgn



Note: MSR Detour
Maintain and Keep Open for Military Use at All Times Throughout Construction,
Existing Military Service Road (MSR) Located at Sta. 647+50.26. Provide a 24
Feet Wide Temporary Detour During Construction of the Military Underpass
Structure and Anytime the Existing Military Access Cannot be Maintained.
Provide a Detour Plan and Schedule for Approval by the Contracting Officer a
Minimum of 14 Days Prior to the Start of Any Work Affecting the MSR.

TMK: 6-7-01:041
KE'AMUKU MANEUVER AREA

Note:
Finished subgrade, roadway and drainage
features from Sta. 200+17.72 to
Sta. 707+00.0 are shown as advertised
under project HI A-AD 6(6).

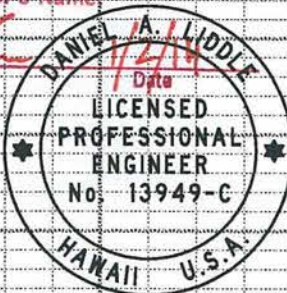


STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C33	C52

AS-BUILT DRAWINGS/SPECIFICATIONS
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as constructed in the field.

GOODFELLOW BROS., INC.
Contractor's Name

Signature
Date 11/26/2012

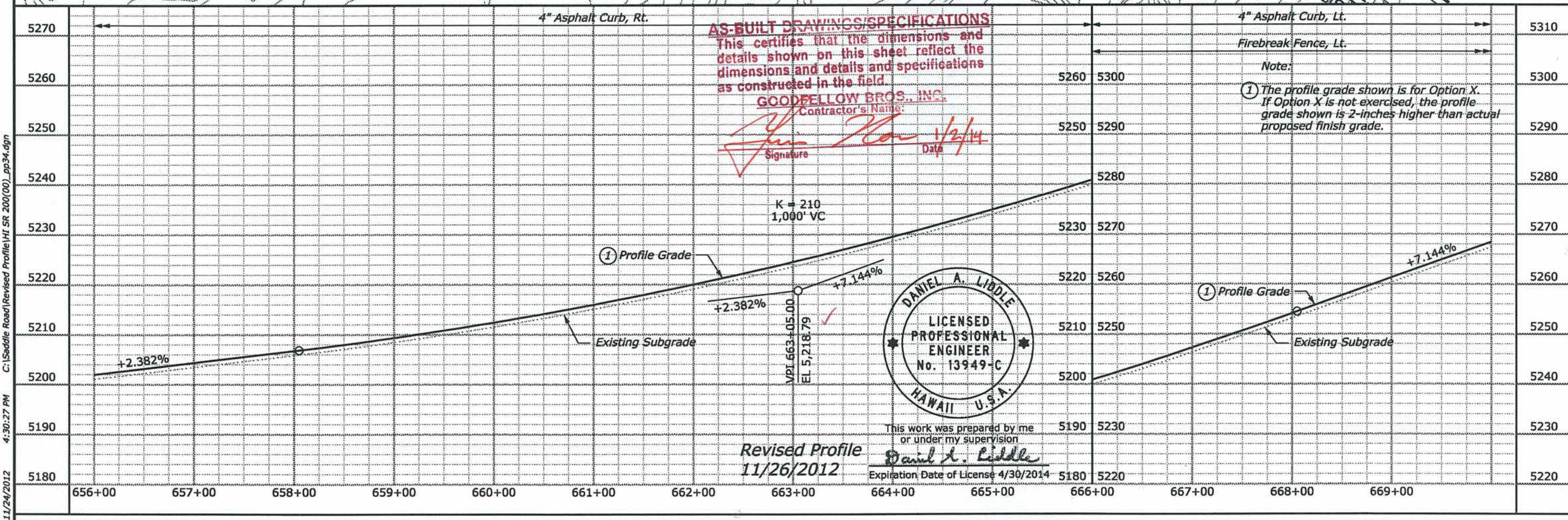
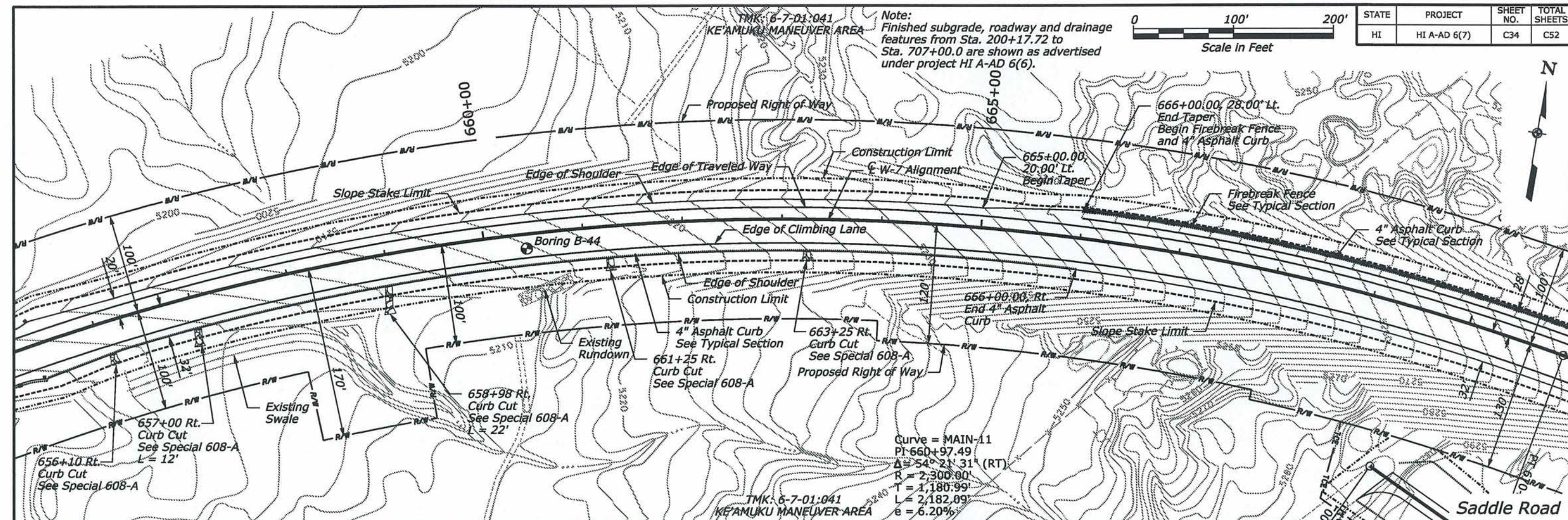


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or under my supervision

Revised Profile
11/26/2012

Signature
Expiration Date of License 4/30/2014

11/24/2012 4:29:11 PM C:\Saddle Road\Revised Profile\HI SR 200(00)_pp33.dgn



11/24/2012 4:30:27 PM C:\Saddle Road\Revised Profile\HI SR 200[00].pp34.dgn

Note: KE'EKE'E Road Temporary Access Constructed Under Project HI A-AD 6(6). Upon Completion of Lightning Trail Remove Access by Grading as Directed by the CO.

Note: KE'EKE'E Road Maintain and Keep Open for Military Use During Construction. Coordinate Closure During Construction With the Military.

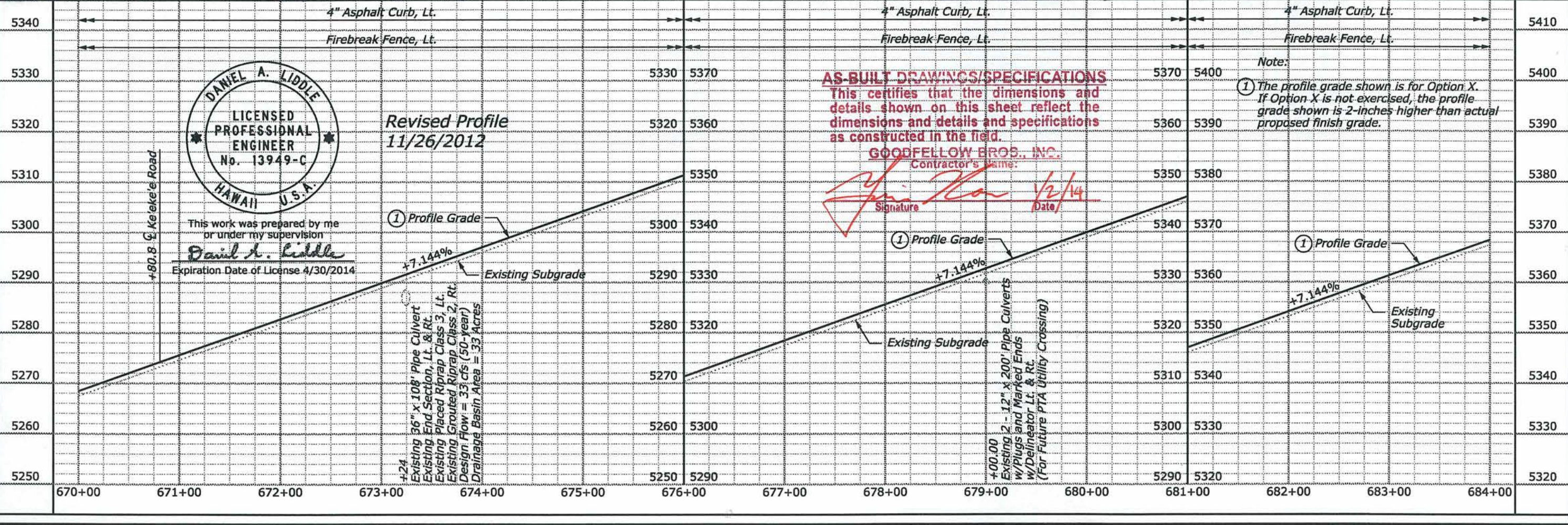
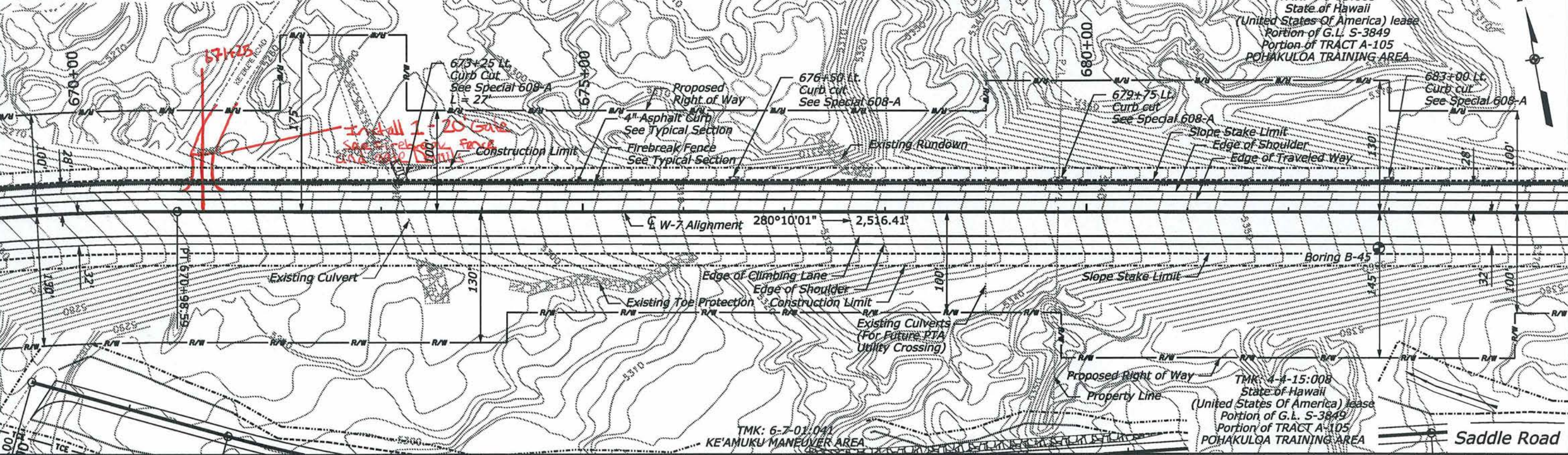
TMK: 6-7-01:041
KE'AMUKU MANEUVER AREA

Note: Finished subgrade, roadway and drainage features from Sta. 200+17.72 to Sta. 707+00.0 are shown as advertised under project HI A-AD 6(6).

0 100' 200'

Scale in Feet

STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C35	C52



DANIEL A. LIDDLE

LICENSED PROFESSIONAL ENGINEER

No. 13949-C

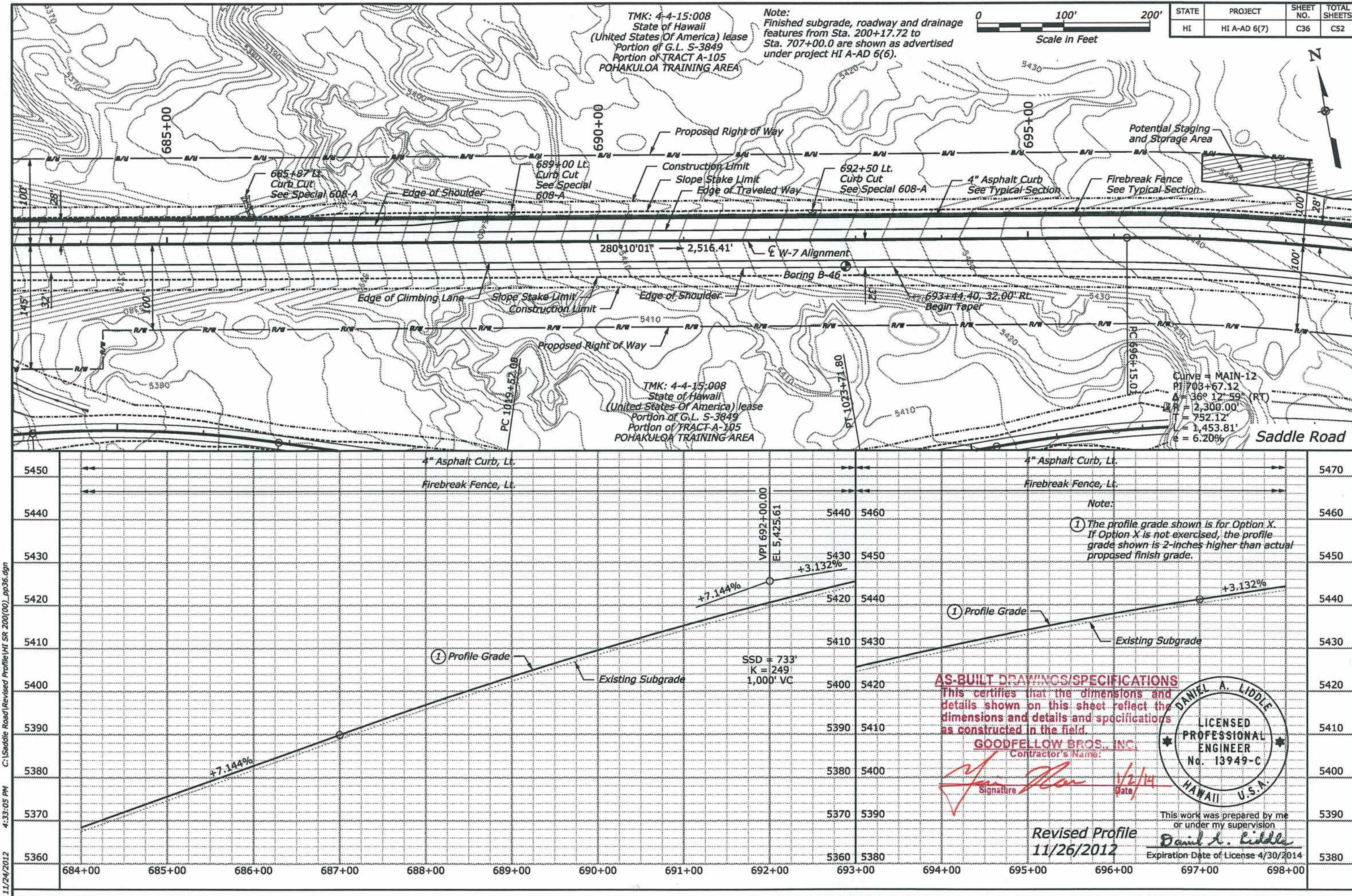
HAWAII U.S.A.

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Daniel A. Liddle

Expiration Date of License 4/30/2014

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4:33:05 PM
11/24/2012

Note:
Finished subgrade, roadway and drainage
features from Sta. 200+17.72 to
Sta. 707+00.0 are shown as advertised
under project HI A-AD 6(6).

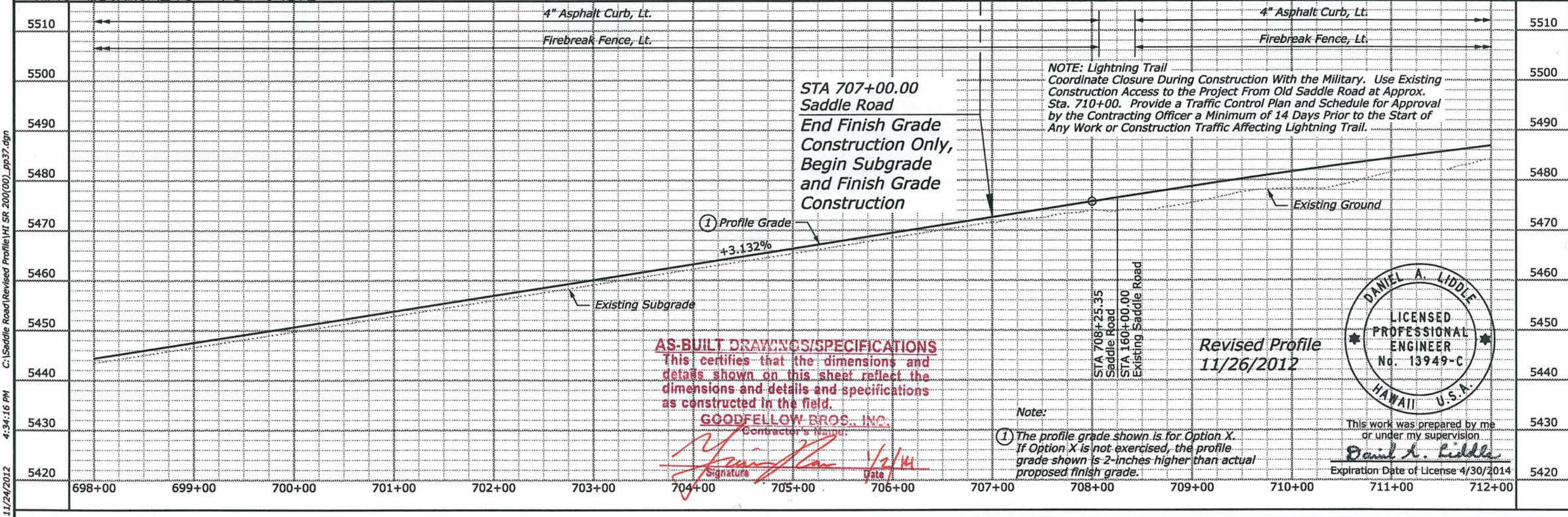
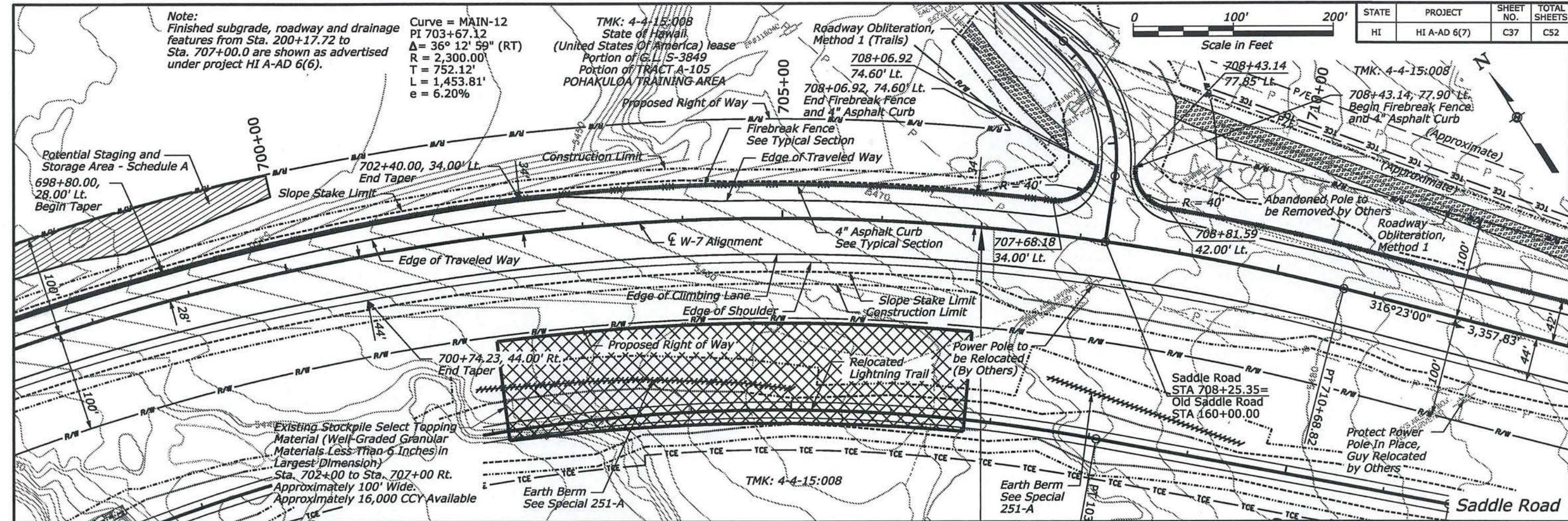
Curve = MAIN-12
PI 703+67.12
 $\Delta = 36^\circ 12' 59''$ (RT)
R = 2,300.00'
T = 752.12'
L = 1,453.81'
e = 6.20%

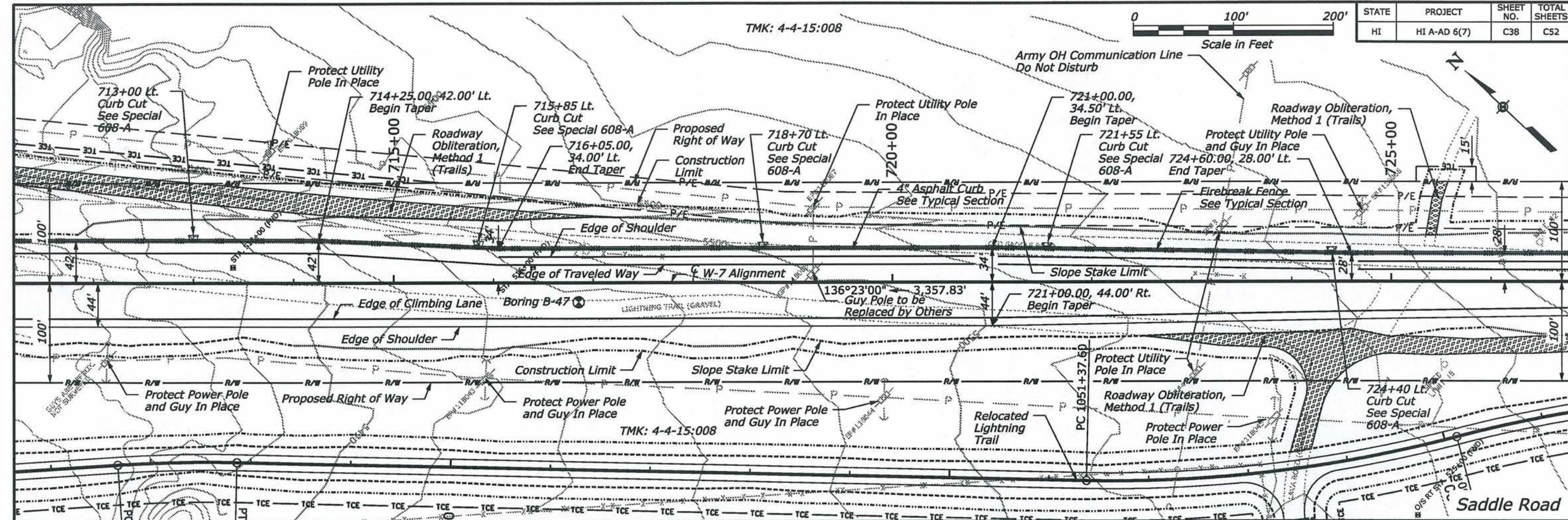
TMK: 4-4-15-008
State of Hawaii
(United States of America) lease
Portion of G.L. S-3849
Portion of TRACT A-105
POHAKULOA TRAINING AREA

Roadway Obliteration,
Method 1 (Trails)

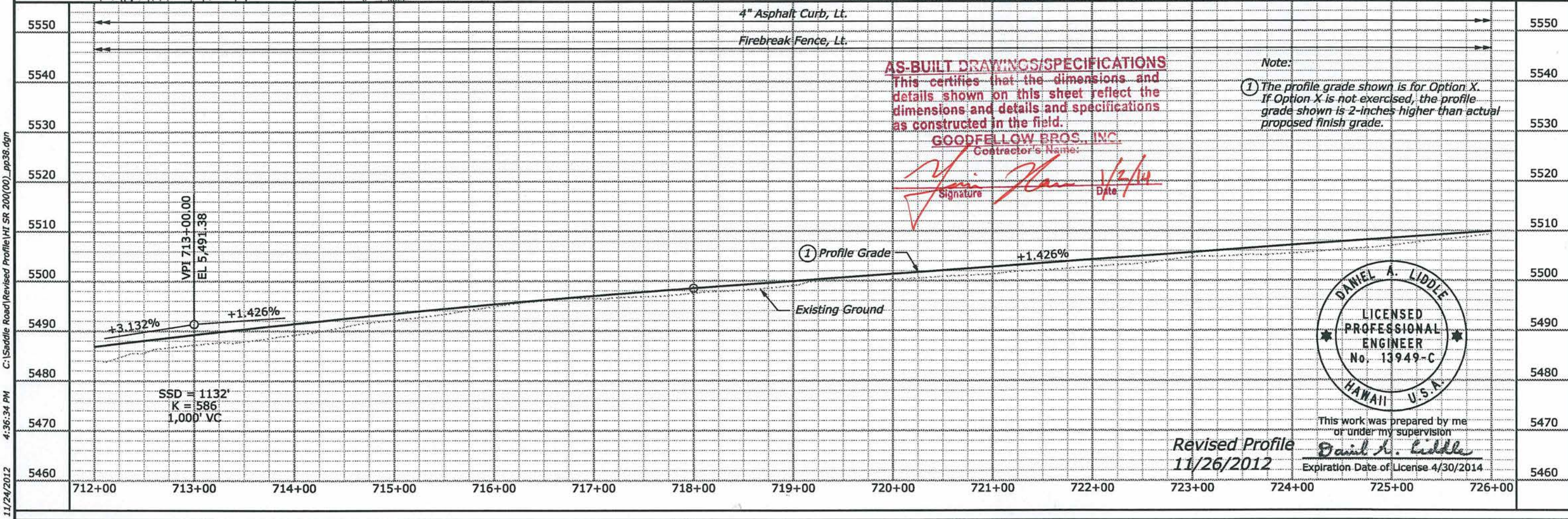
0 100' 200'
Scale in Feet

STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C37	C52

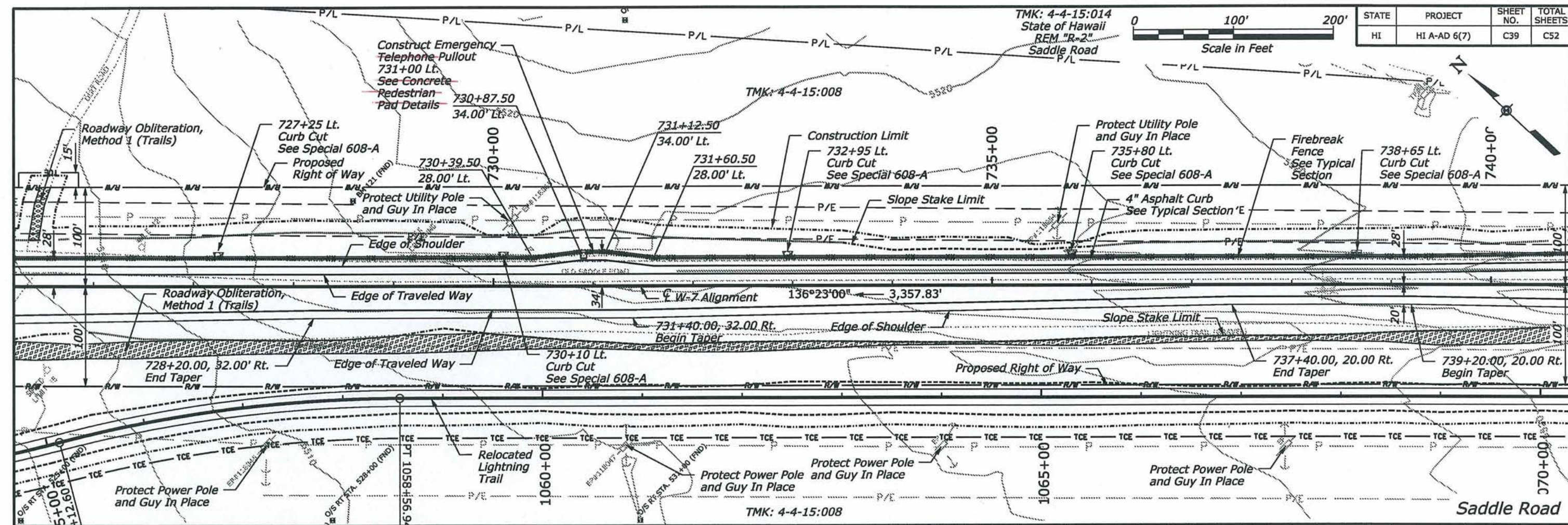




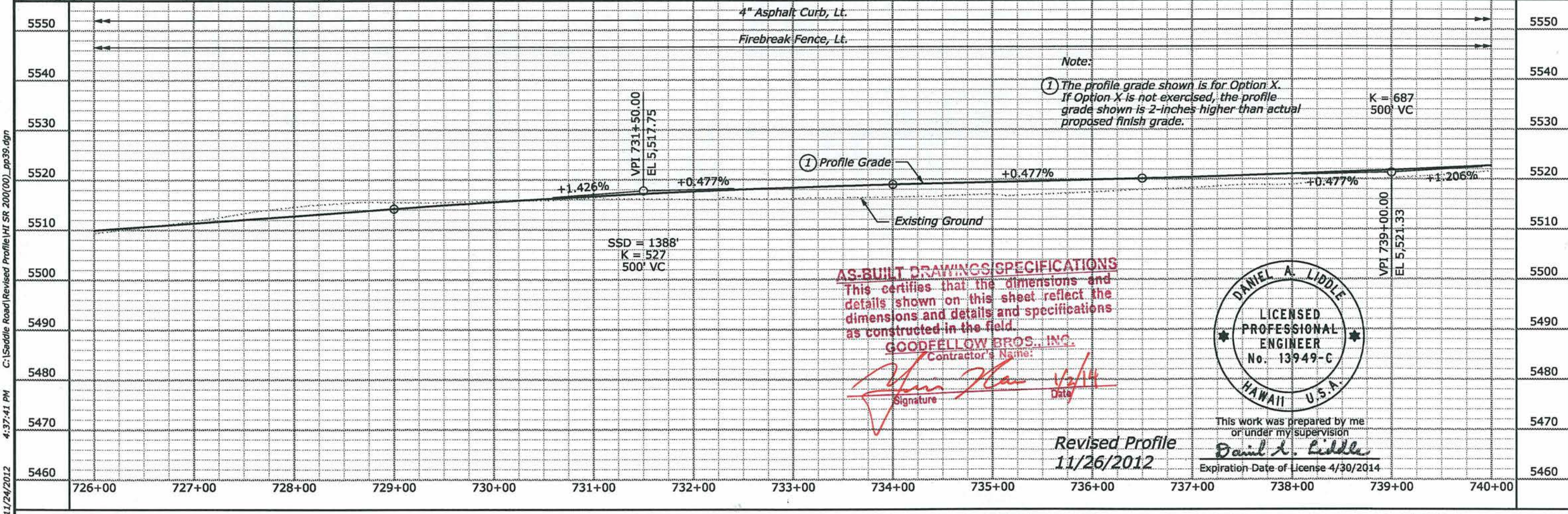
STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C38	C52



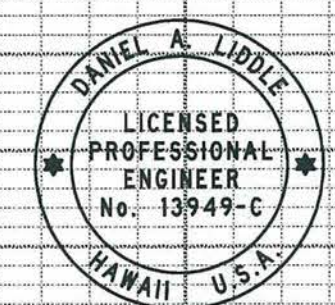
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STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C39	C52

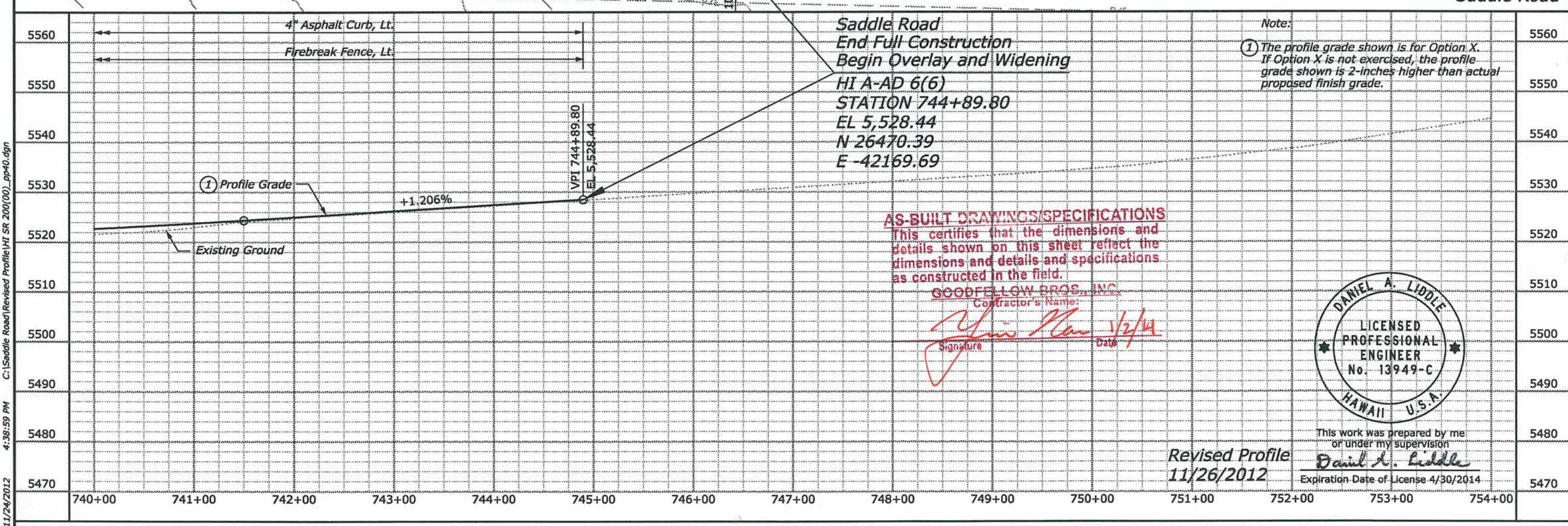
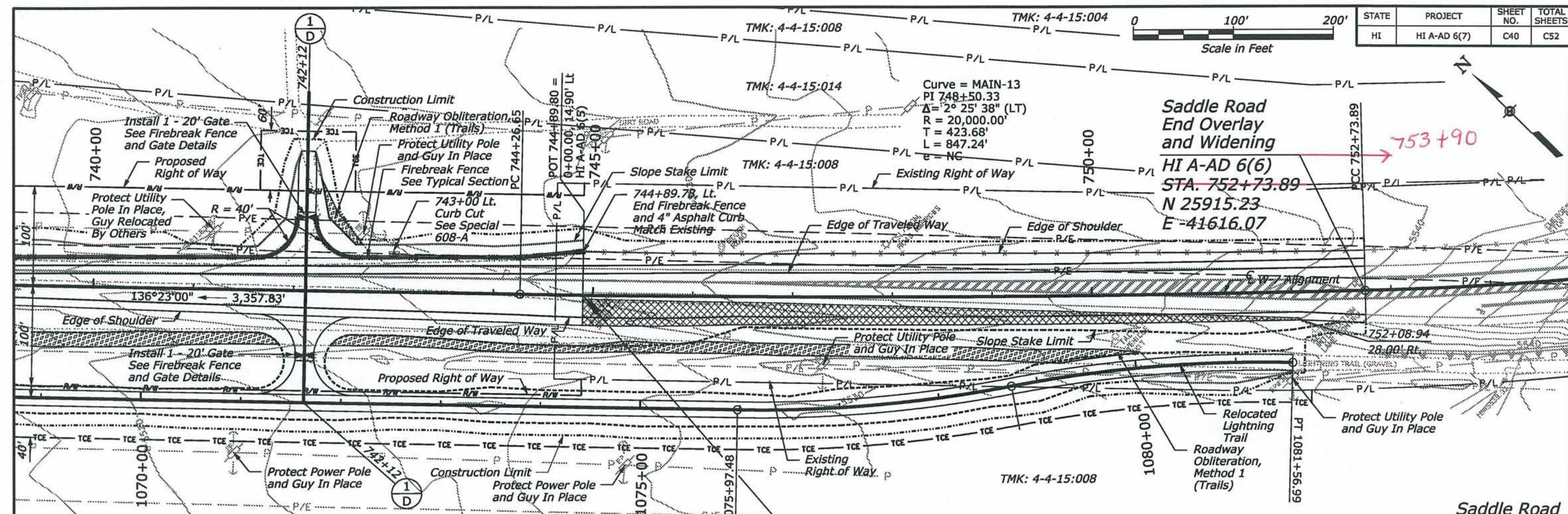


AS-BUILT DRAWINGS SPECIFICATIONS
This certifies that the dimensions and details shown on this sheet reflect the dimensions and details and specifications as constructed in the field.
GOODFELLOW BROS., INC.
Contractor's Name:
[Signature]
Signature
11/26/12
Date



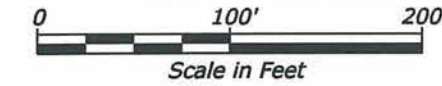
Revised Profile
11/26/2012

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Expiration Date of License 4/30/2014



C:\Saddle Road\Revised Profile\HI SR 200(00)_pp40.dgn
11/24/2012 4:38:59 PM

TMK: 4-4-15:004



STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(7)	C41	C52

Curve = MAIN-14 (ALI 6(5)-1)
PI 762+84.18
 $\Delta = 34^{\circ} 14' 22''$ (LT)
R = 3,280.00'
T = 1,010.30'
L = 1,960.10'

TMK: 4-4-15:014

Existing Right of Way

W-7 Alignment

Existing Right of Way

TMK: 4-4-15:008

TMK: 4-4-15:008
State of Hawaii
(United States Of America) lease
Portion of G.L. S-3849
Portion of TRACT A-105
POHAKULOA TRAINING AREA

**SHEET FOR INFORMATION ONLY
NO WORK**

P/I -
Saddle Road

AS-BUILT DRAWINGS/SPECIFICATIONS

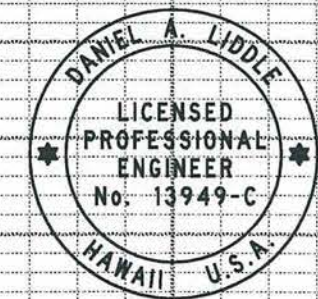
This certifies that the dimensions and details shown on this sheet reflect the dimensions and details and specifications as constructed in the field.

GOODFELLOW BROS., INC.
Contractor's Name:

Signature

Date

Existing Ground



This work was prepared by me
or under my supervision
Daniel A. Liddle
Expiration Date of License 4/30/2014