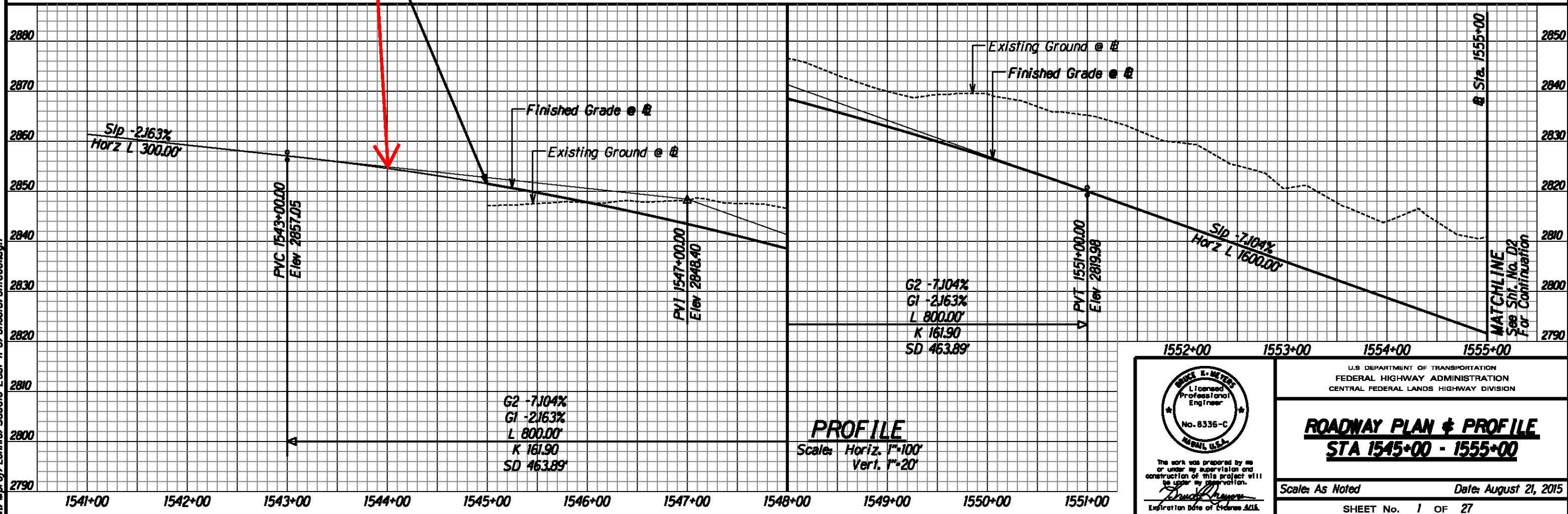
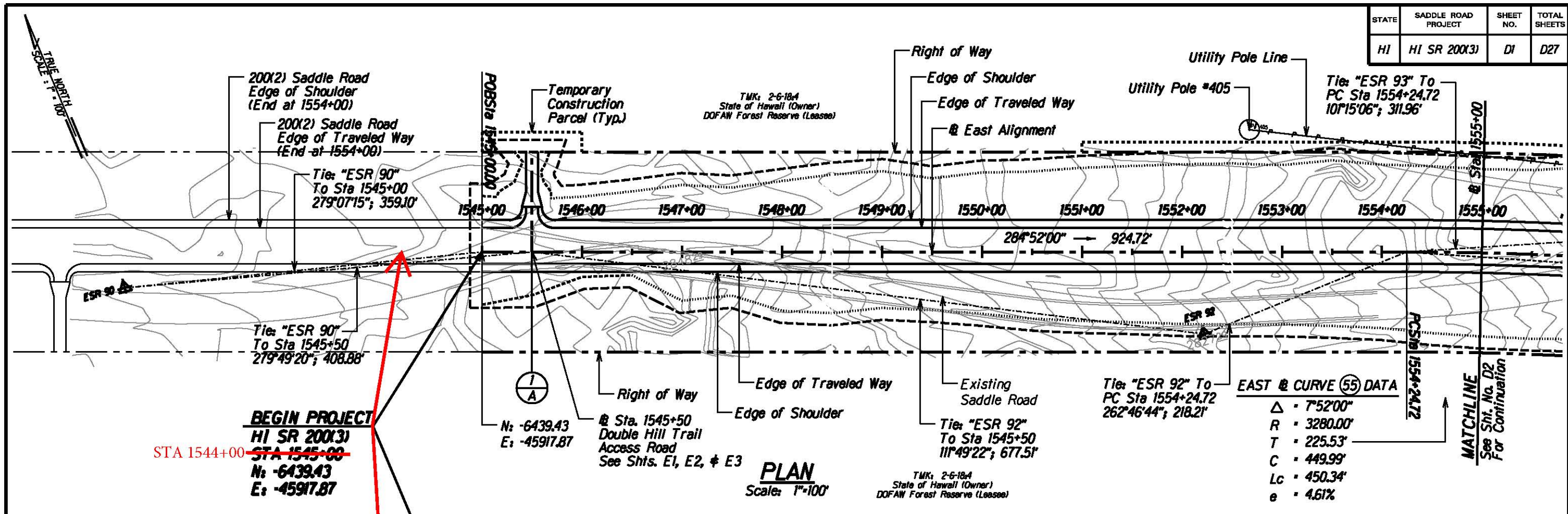
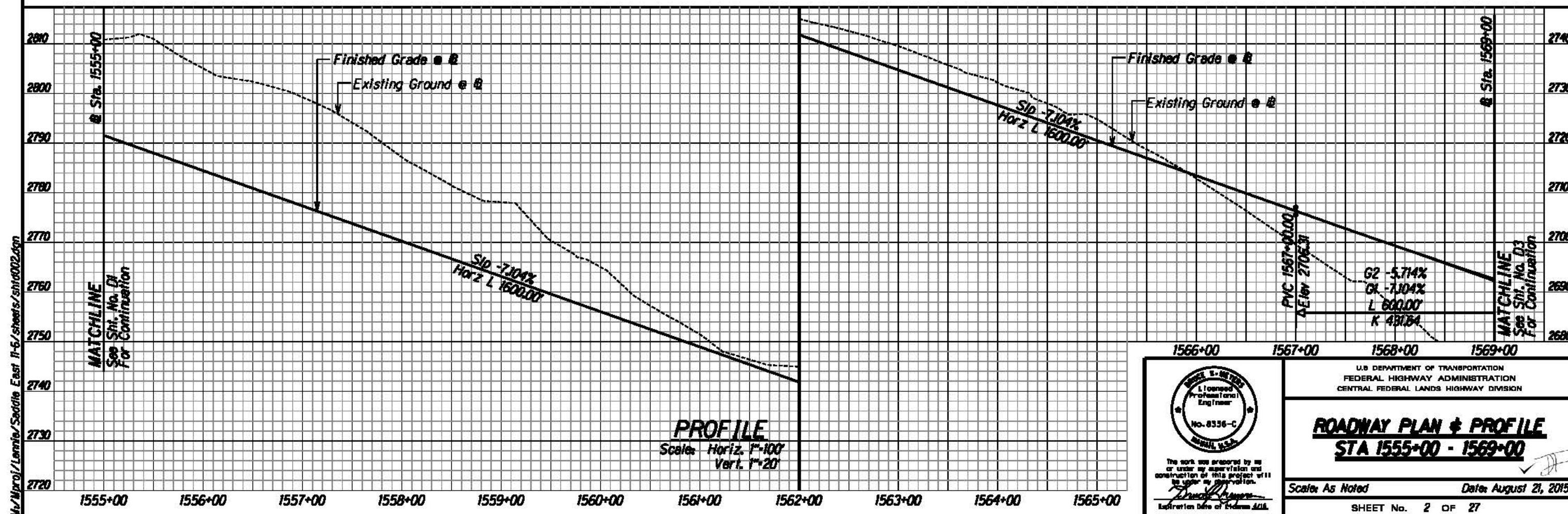
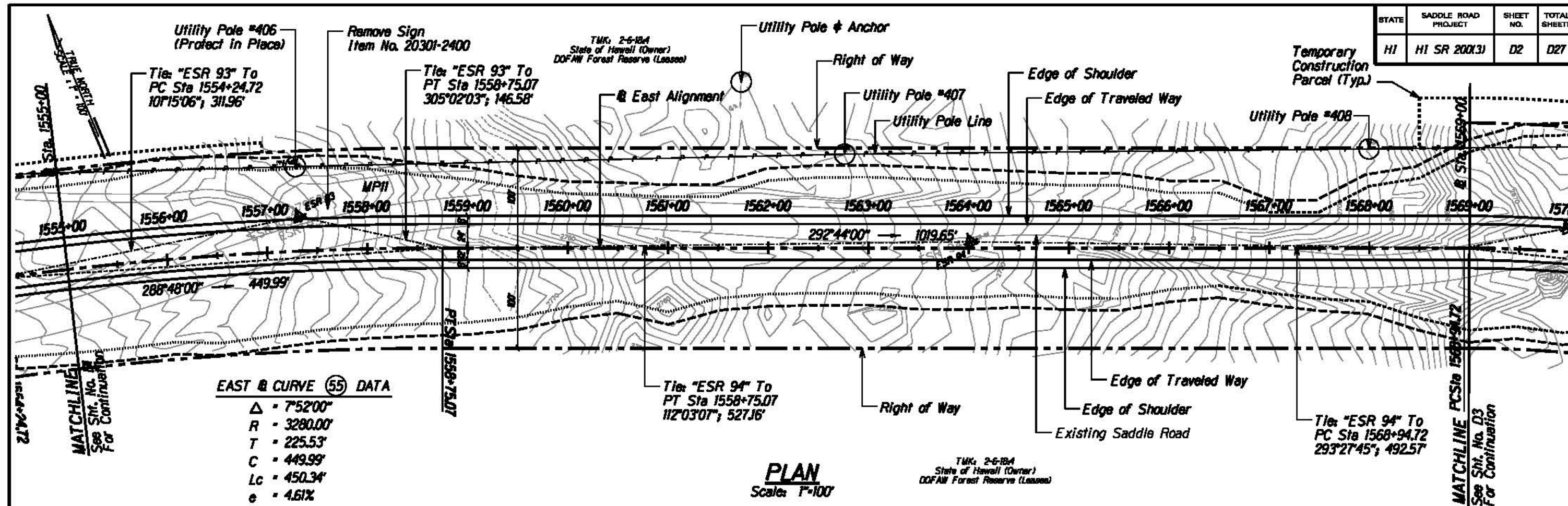


STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	D1	D27



M:\Mproj\Lenzie\Saddle East II-6\sheet\shd001.dgn

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	D2	D27



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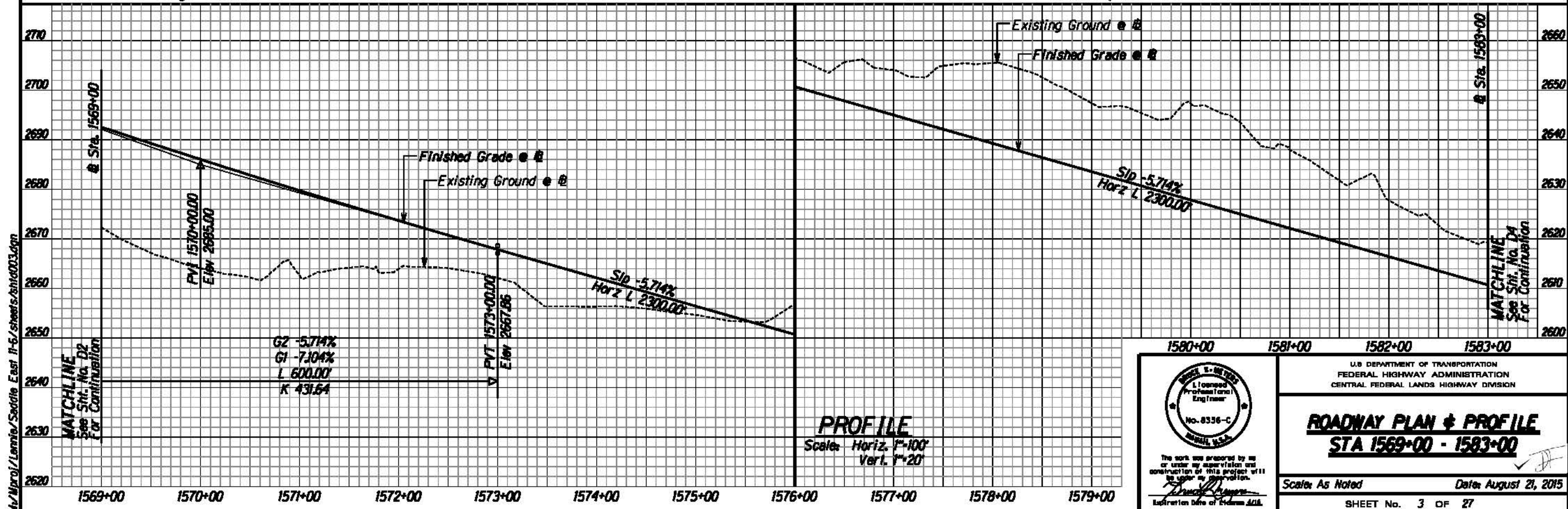
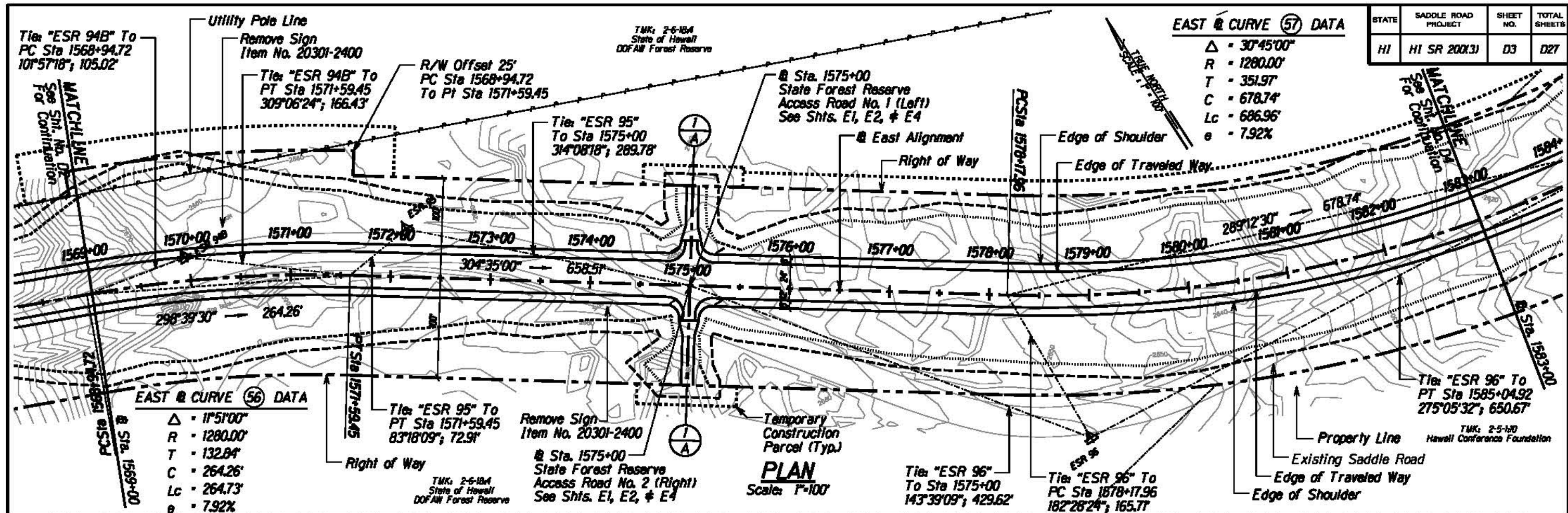
David S. McVey
Expiration Date of License 12/31/2018

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

ROADWAY PLAN & PROFILE
STA 1555+00 - 1569+00

Scale: As Noted Date: August 21, 2015

SHEET No. 2 OF 27



EAST & CURVE (57) DATA

$\Delta = 30^\circ 45' 00''$
 $R = 1280.00'$
 $T = 351.97'$
 $C = 678.74'$
 $L_c = 686.96'$
 $e = 7.92\%$

PT Sta 1585+04.92

TMK: 2-5-18-4
 State of Hawaii (Owner)
 DOFAW Forest Reserve (Leasee)

Property Line

Temporary Construction Parcel (Typ)

Right of Way

East Alignment

Edge of Shoulder

Edge of Traveled Way

TMK: 2-5-18-3
 Hawaii Conference Foundation

Tie: "ESR 98"
 To Sta 1593+00
 81°42'15"; 87.52'

Tie: "ESR 98" To
 PC Sta 1601+36.31
 275°14'12"; 750.97'

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	D4	D27

Utility Pole Line

Sta. 1593+10.45
 Hawaii Conference Foundation
 Access Road Right
 See Shts. E1, E2, & E5

TMK: 2-5-14
 Hawaii Conference Foundation

PLAN
 Scale: 1"=100'

PROFILE
 Scale: Horiz. 1"=100'
 Vert. 1"=20'



The work was prepared by us
 or under our supervision and
 construction of this project will
 be under our supervision.
 Signature: [Signature]
 Expiration Date of License: 2016

U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 CENTRAL FEDERAL LANDS HIGHWAY DIVISION

ROADWAY PLAN & PROFILE
STA 1583+00 - 1597+00

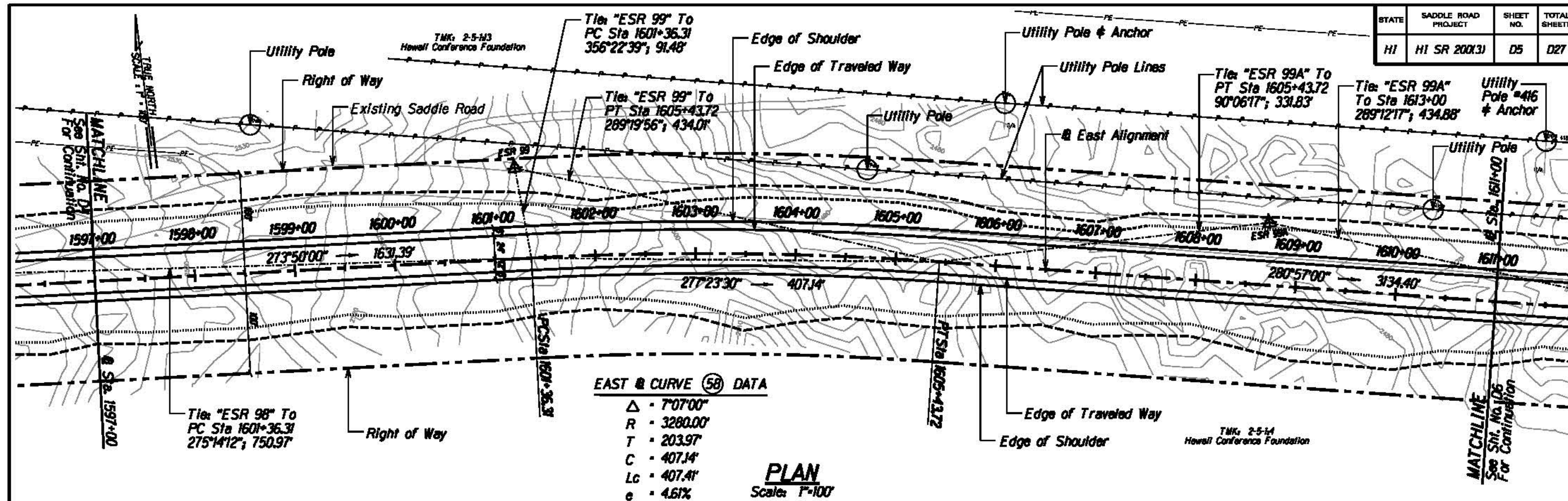
Scale: As Noted

Date: August 21, 2015

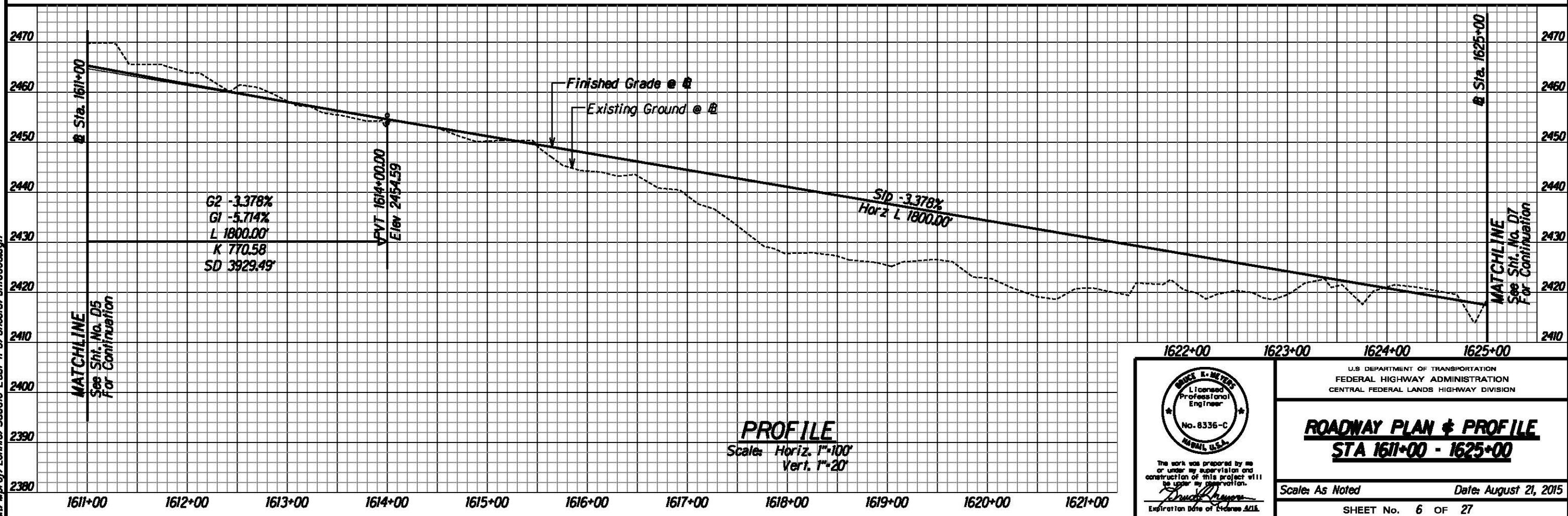
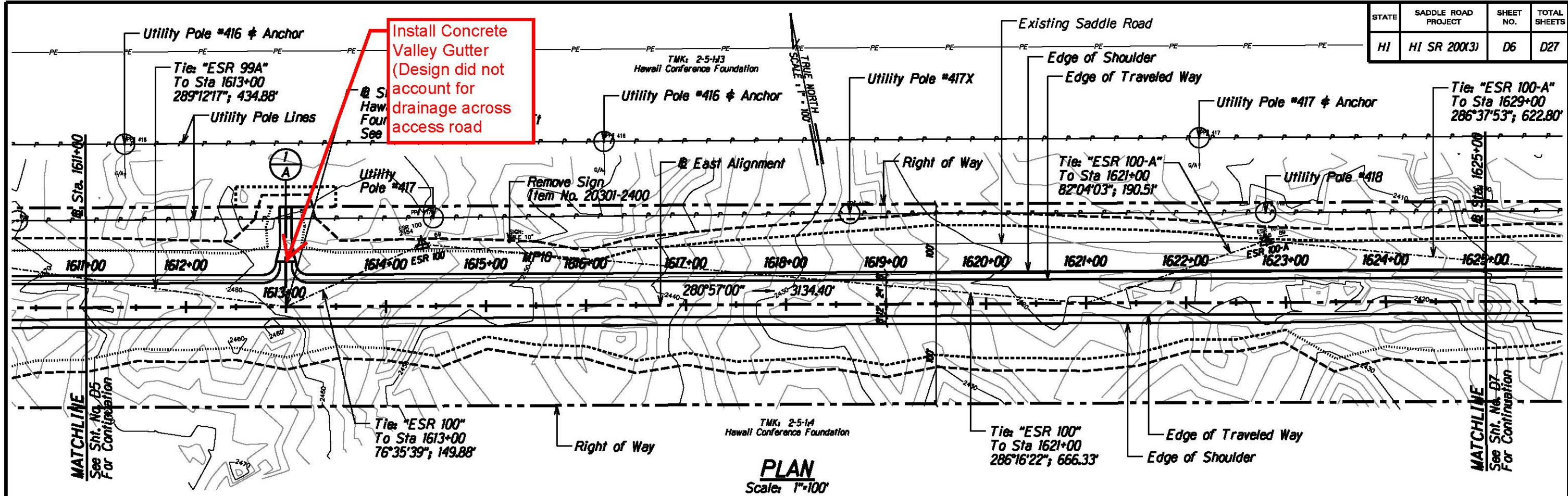
SHEET No. 4 OF 27

D4

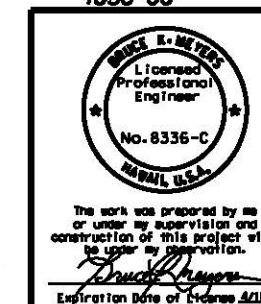
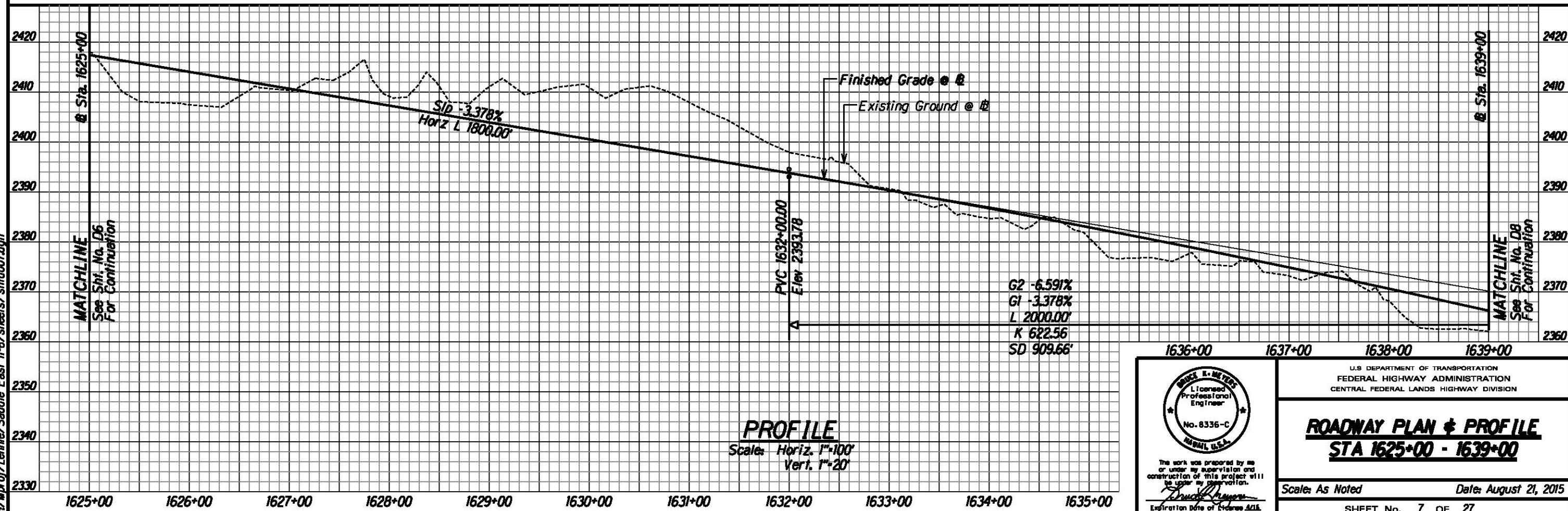
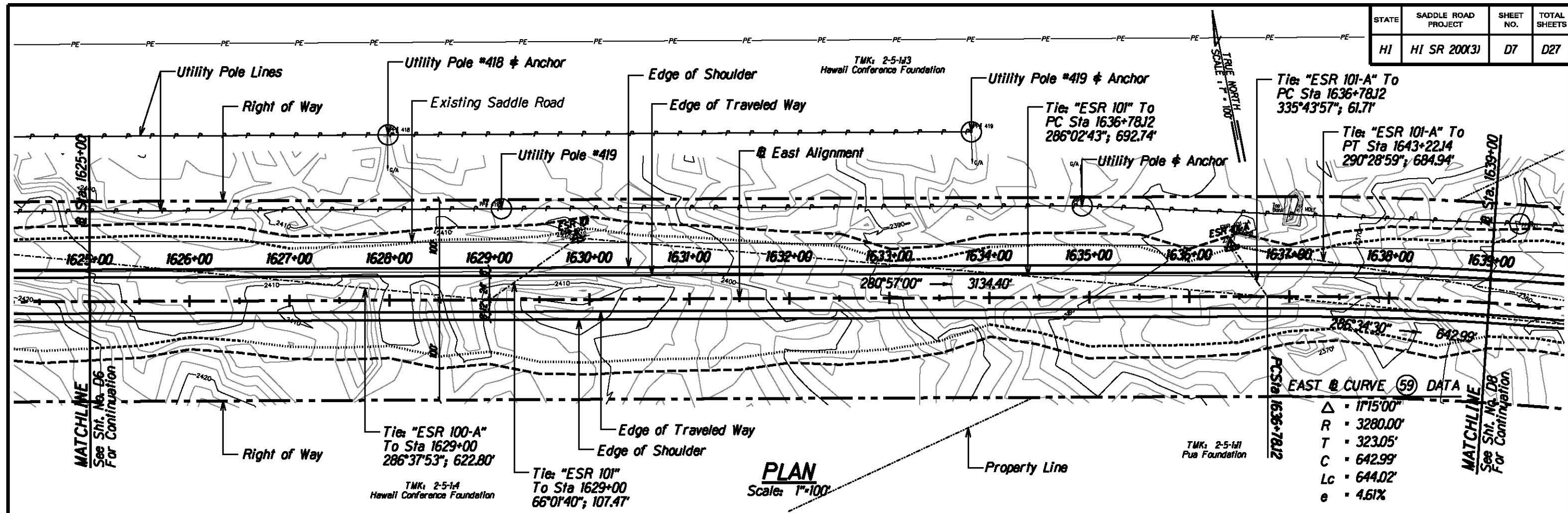
STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	D5	D27



STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	D6	D27



STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200X3	D7	D27



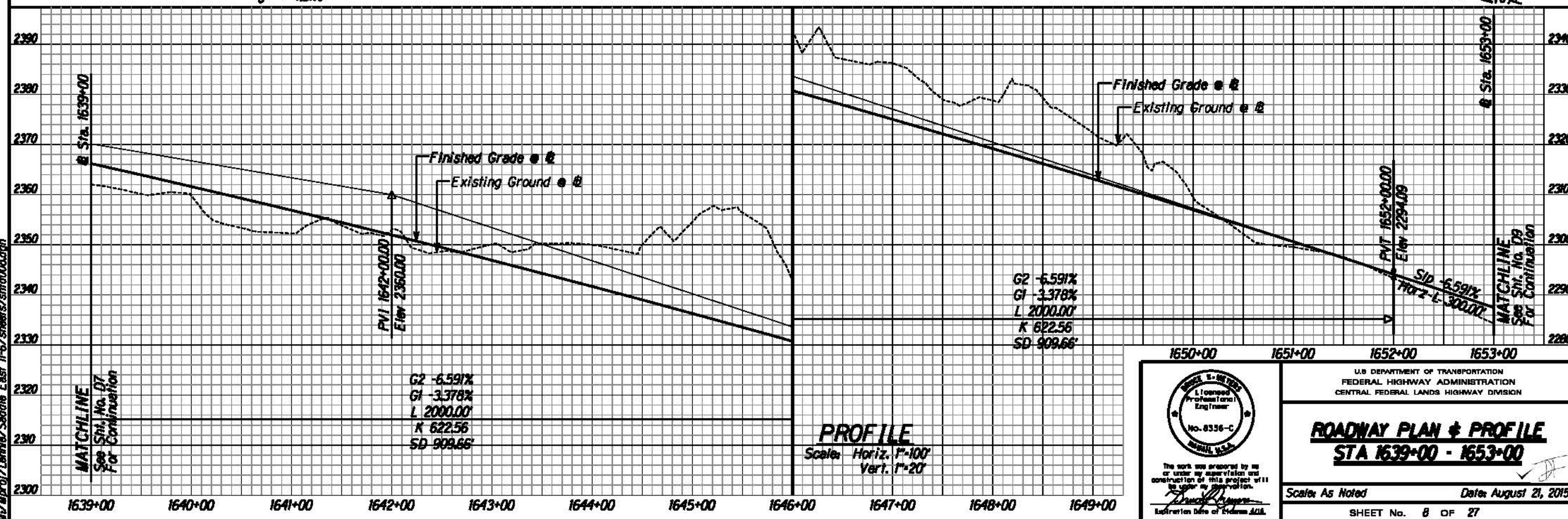
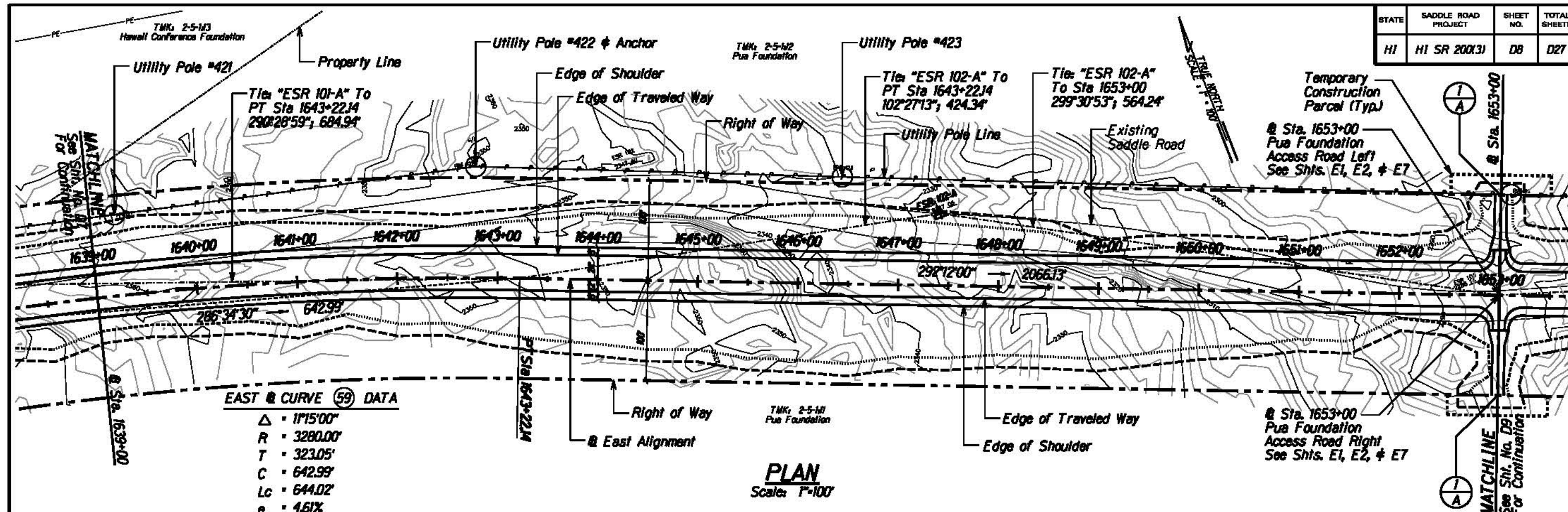
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

ROADWAY PLAN & PROFILE
STA 1625+00 - 1639+00

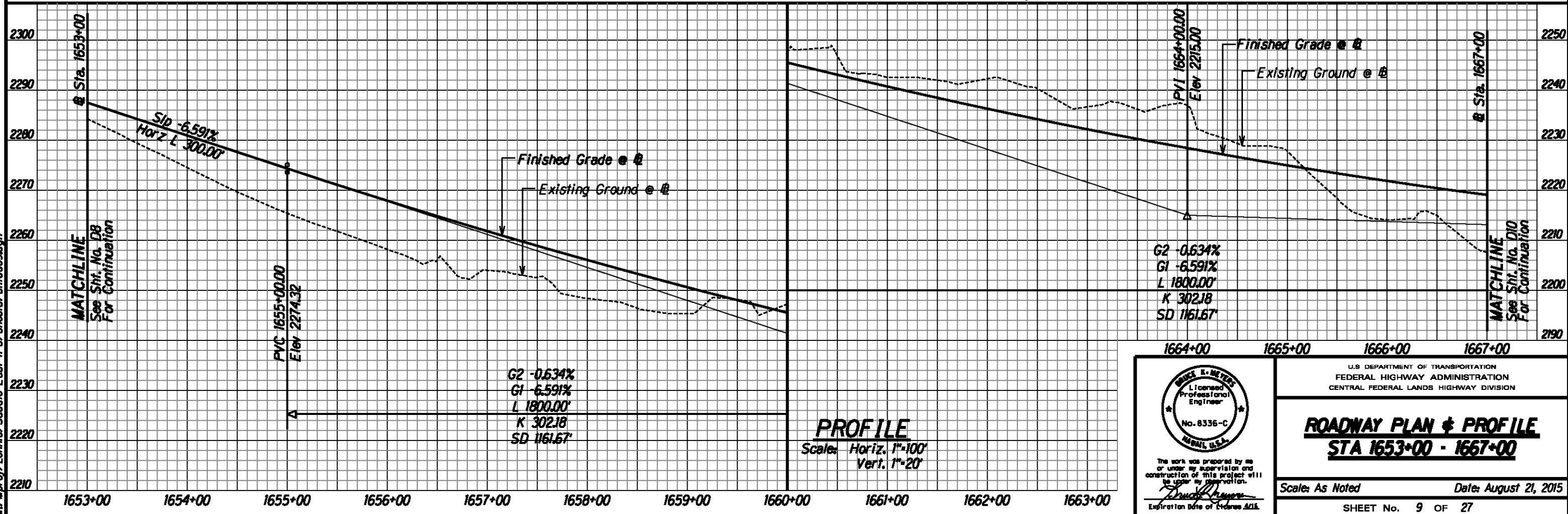
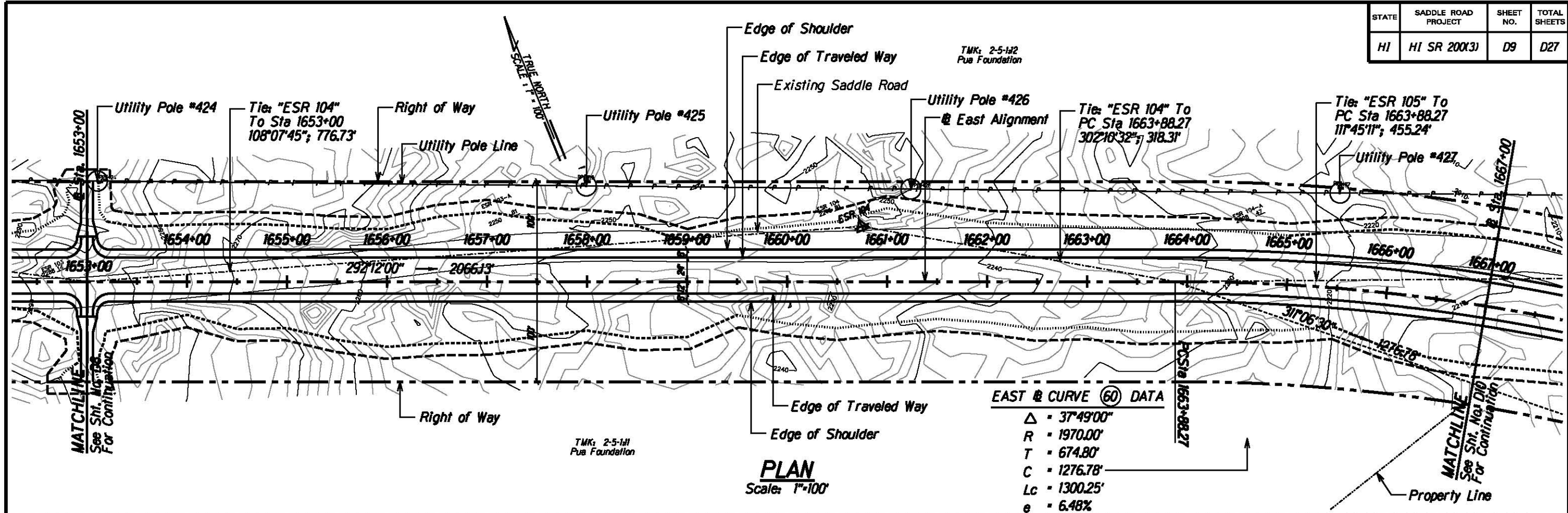
Scale: As Noted Date: August 21, 2015

SHEET No. 7 OF 27

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	D8	D27



STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	D9	D27



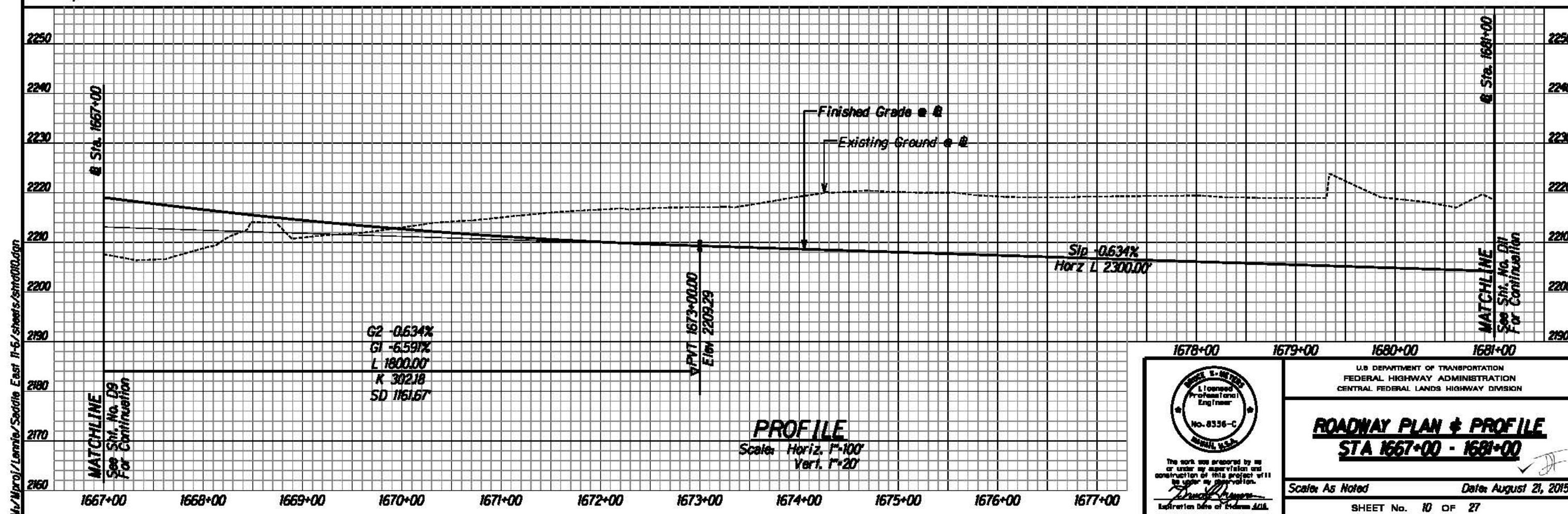
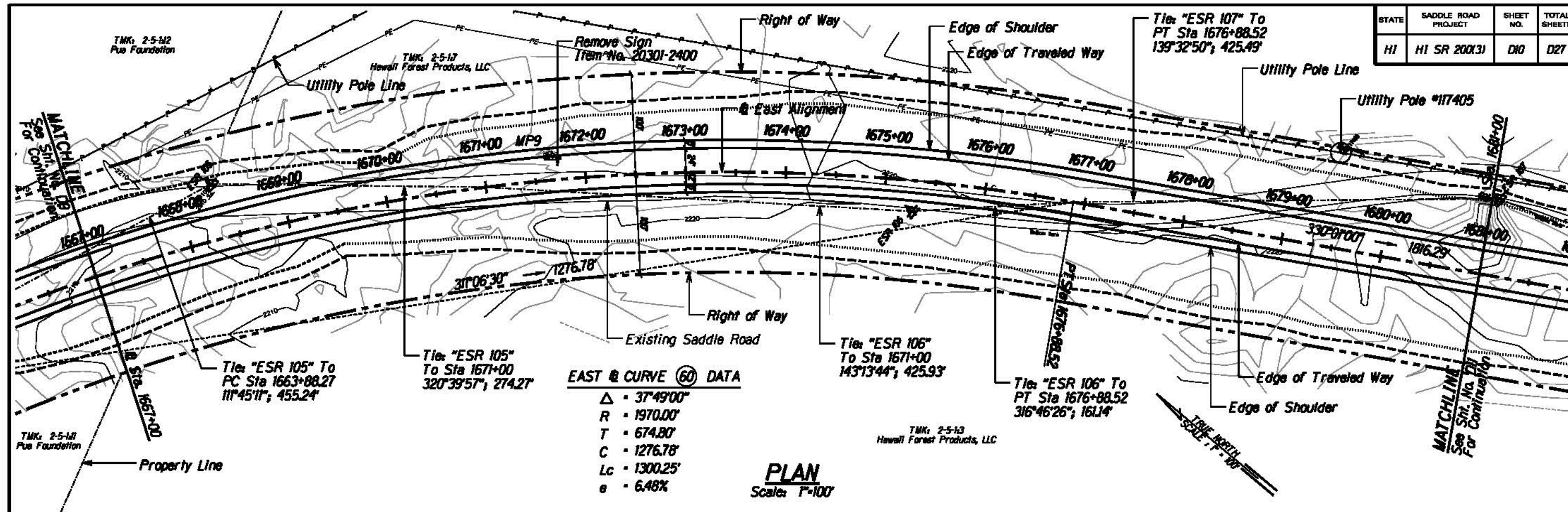
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

ROADWAY PLAN & PROFILE
STA 1653+00 - 1667+00

Scale: As Noted Date: August 21, 2015

SHEET No. 9 OF 27

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	D10	D27



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David S. McVey
Expiration Date of License 12/31/2018

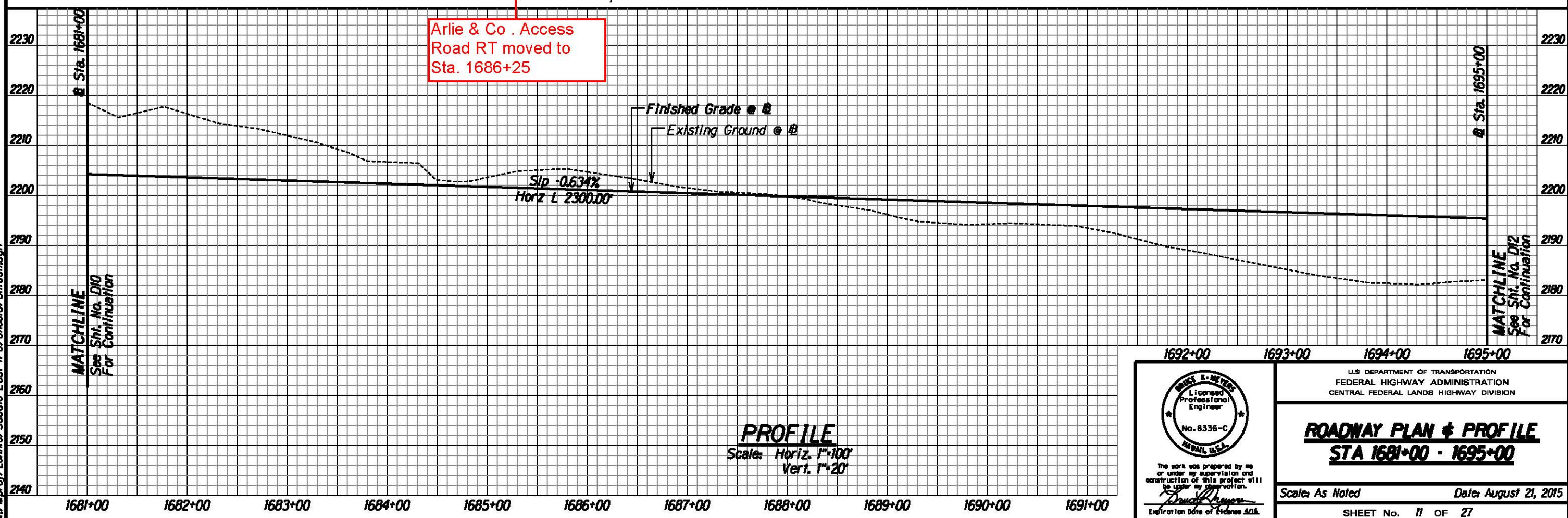
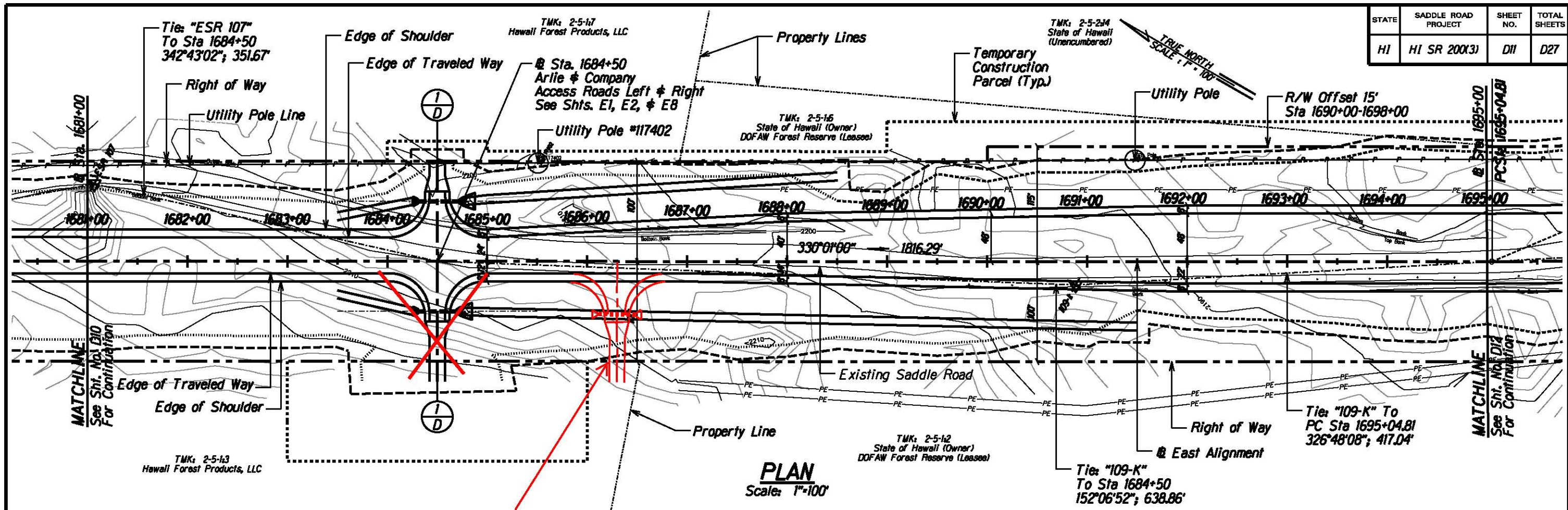
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

ROADWAY PLAN & PROFILE
STA 1667+00 - 1681+00

Scale: As Noted Date: August 21, 2015

SHEET No. 10 OF 27

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200X3	D11	D27



BRUCE E. MEYERS
Licensed Professional Engineer
No. 8336-C
HAWAII, U.S.A.

The work was prepared by me or under my supervision and construction of this project will be under my observation.

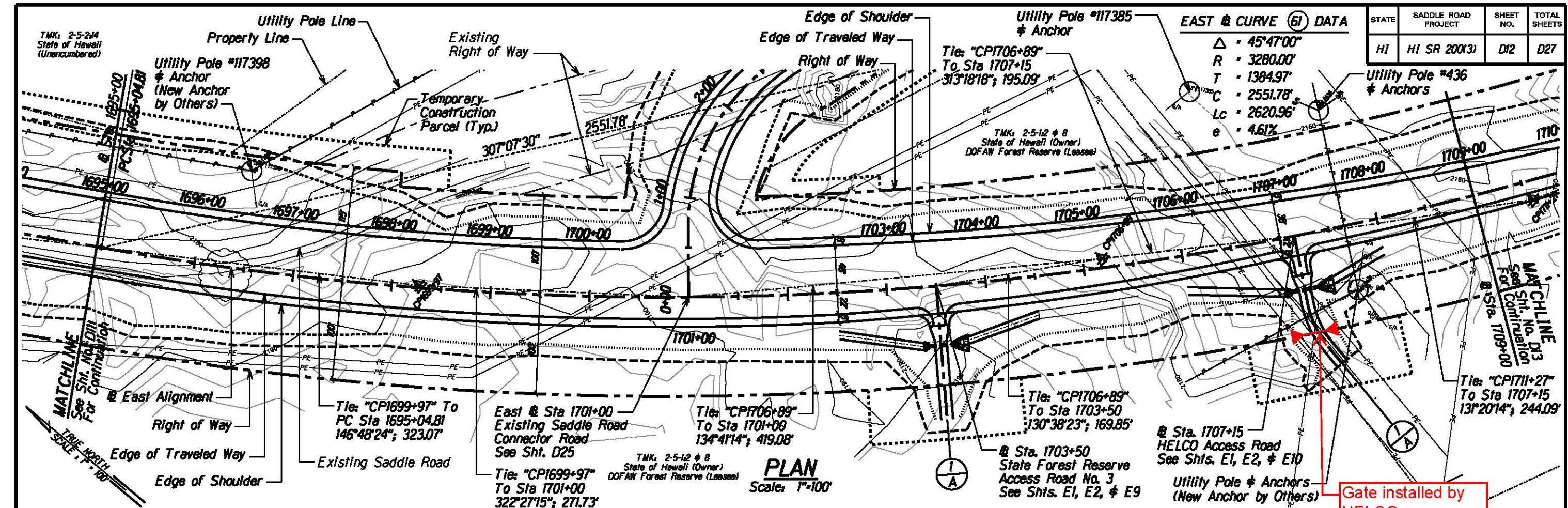
Bruce Meyers
Expiration Date of License 4/15

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

ROADWAY PLAN & PROFILE
STA 1681+00 - 1695+00

Scale: As Noted Date: August 21, 2015

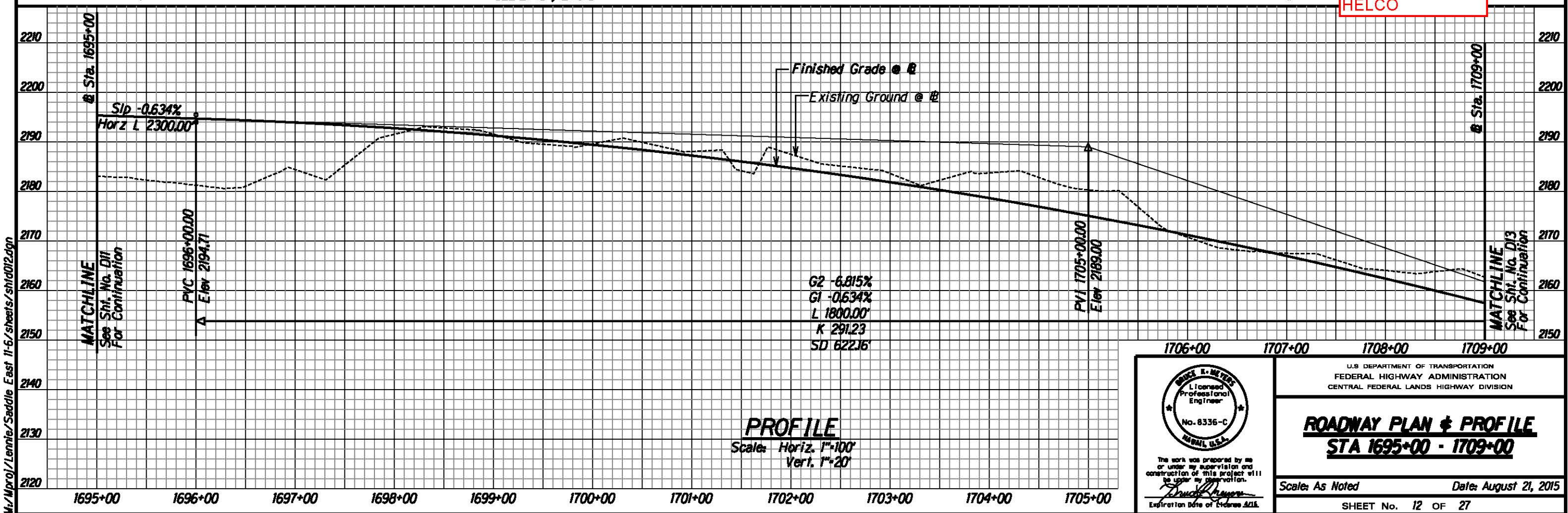
SHEET No. 11 OF 27



EAST @ CURVE (61) DATA

Δ	45°47'00"
R	3280.00'
T	1384.97'
C	2551.78'
Lc	2620.96'
e	4.61%

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200X3	D12	D27



BRUCE E. MEYERS
Licensed Professional Engineer
No. 8336-C
HAWAII, U.S.A.

The work was prepared by me or under my supervision and construction of this project will be under my observation.

Bruce E. Meyers
Expiration Date of License 12/31/2018

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

ROADWAY PLAN & PROFILE
STA 1695+00 - 1709+00

Scale: As Noted Date: August 21, 2015

SHEET No. 12 OF 27

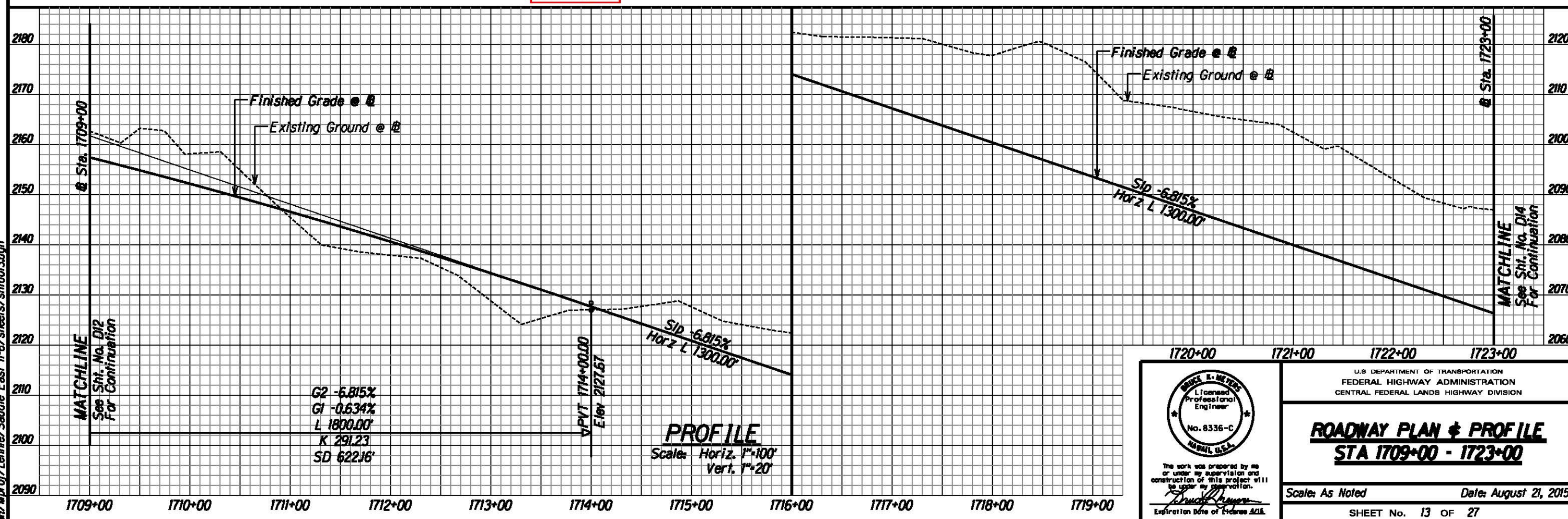
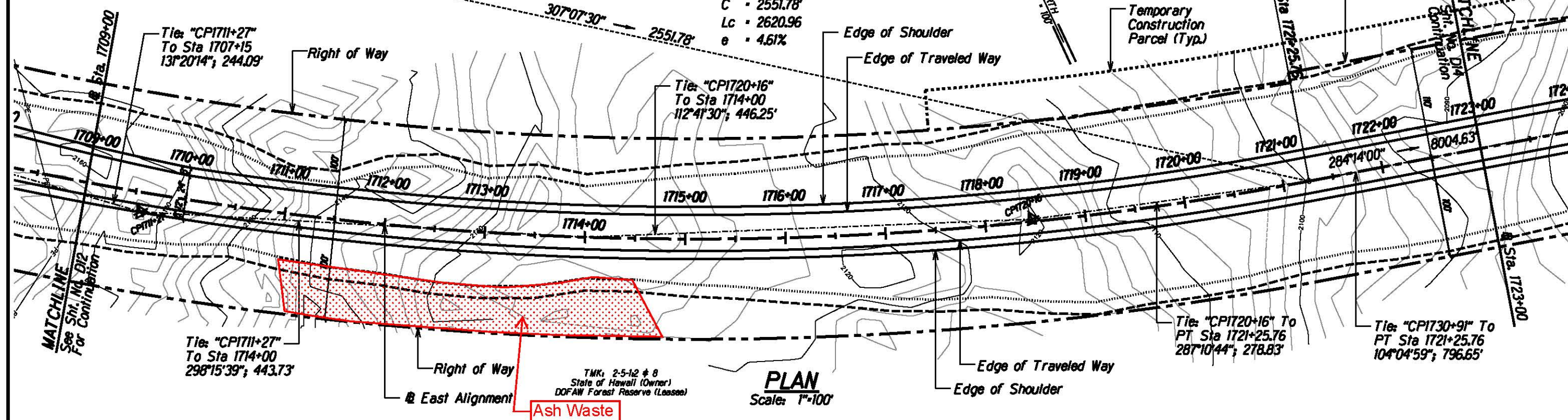
STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200X3	D13	D27

EAST CURVE (61) DATA

$\Delta = 45^\circ 47' 00''$
 $R = 3280.00'$
 $T = 1384.97$
 $C = 2551.78'$
 $Lc = 2620.96$
 $e = 4.61\%$

TMK: 2-5-12 & 8
 State of Hawaii (Owner)
 DOFAW Forest Reserve (Leasee)

R/W Offset 10'
 PT Sta 1721+25.76-1725+00



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Bruce E. Meyers
 Expiration Date of License 2018

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

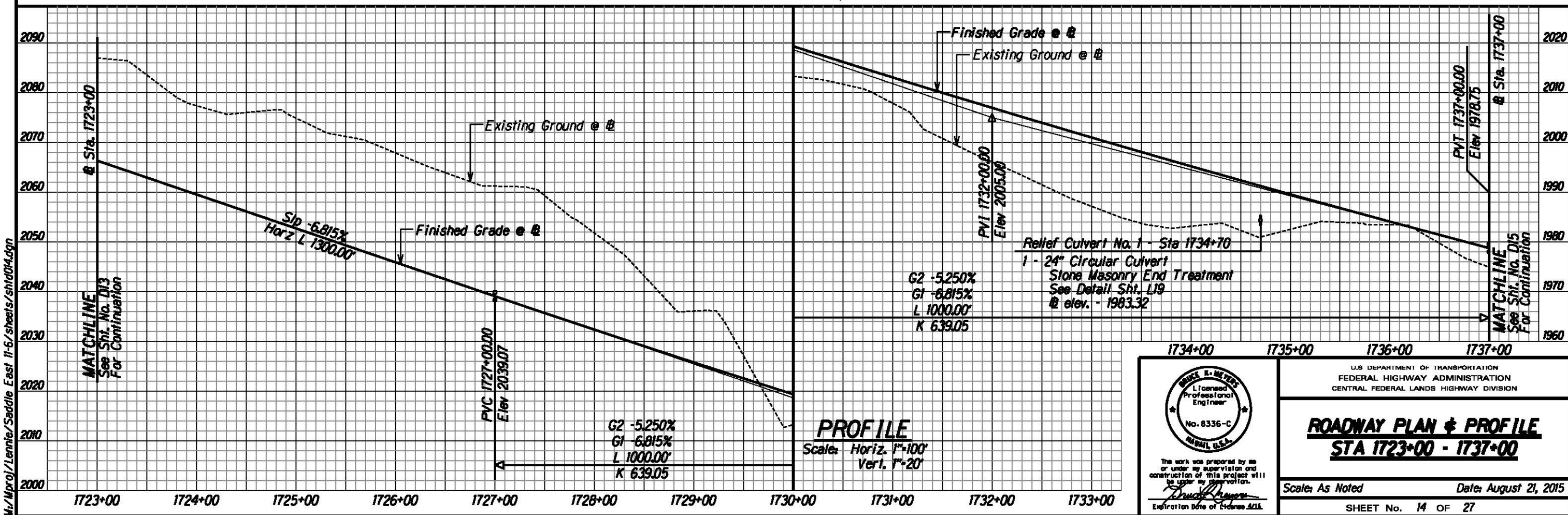
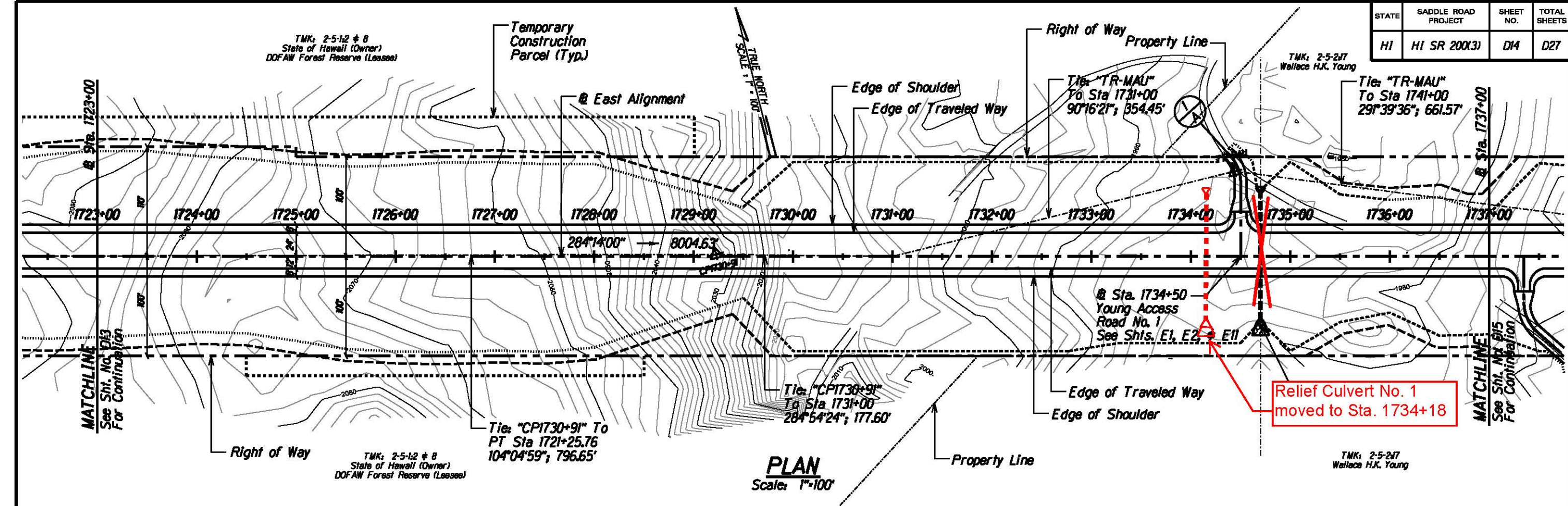
ROADWAY PLAN & PROFILE

STA 1709+00 - 1723+00

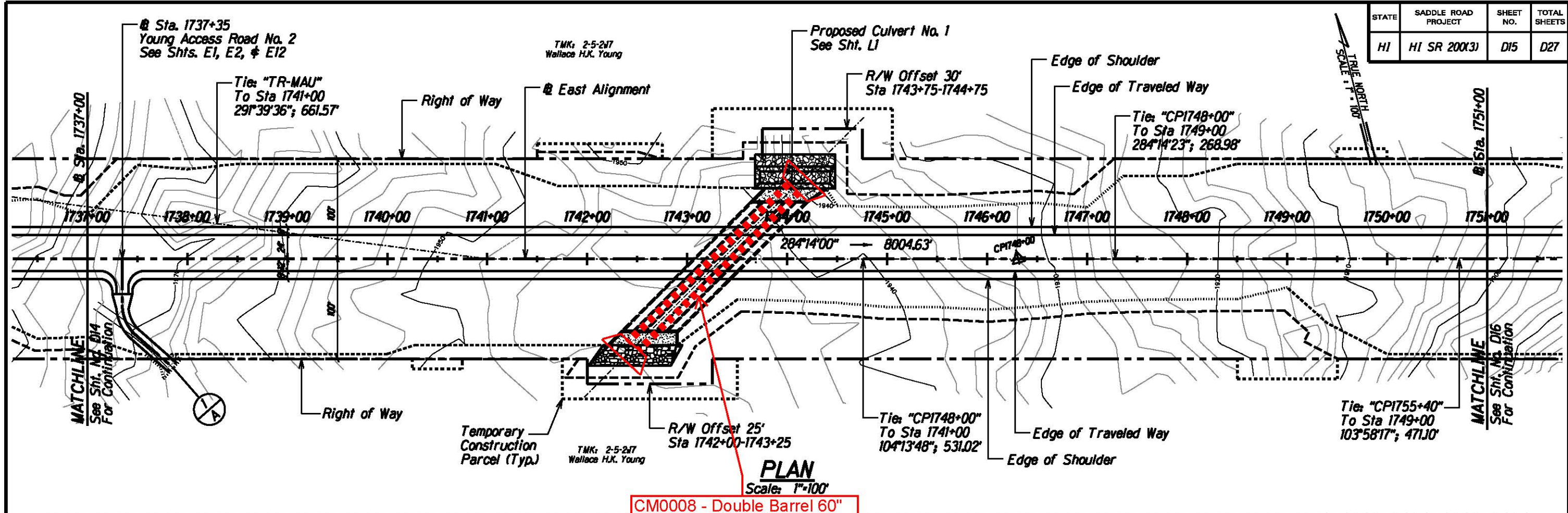
Scale: As Noted Date: August 21, 2015

SHEET No. 13 OF 27

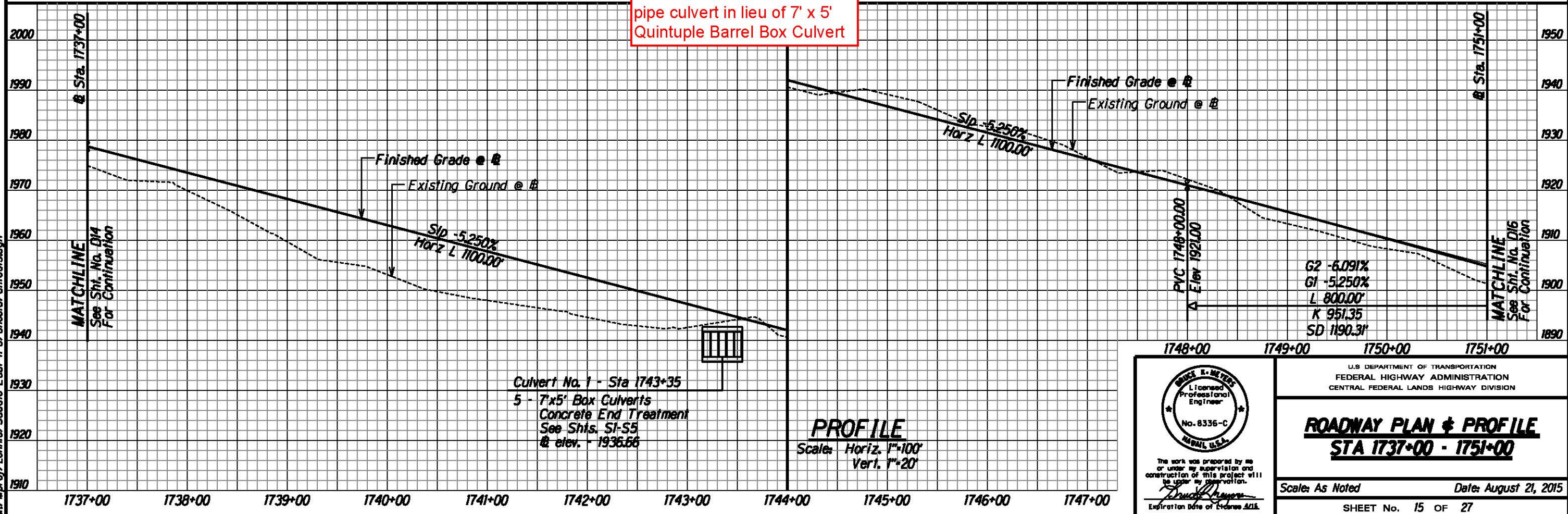
STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	D14	D27



STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	D15	D27



CM0008 - Double Barrel 60" pipe culvert in lieu of 7' x 5' Quintuple Barrel Box Culvert



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Bruce E. Meyers
 Expiration Date of License 2/15/2018

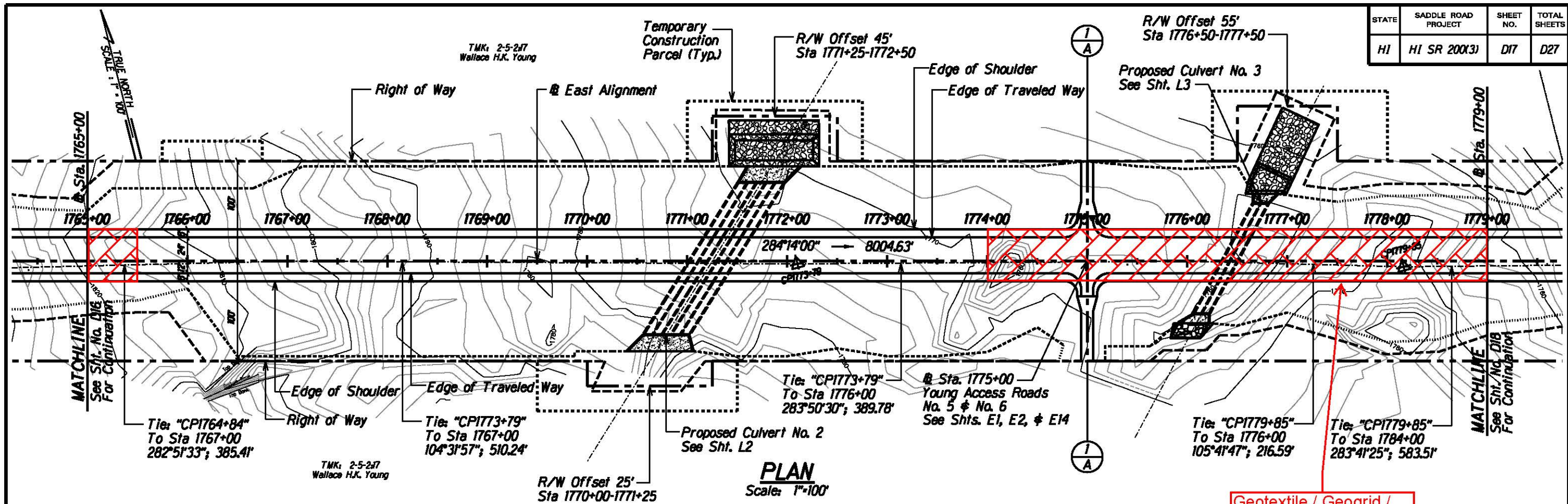
U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 CENTRAL FEDERAL LANDS HIGHWAY DIVISION

ROADWAY PLAN & PROFILE
STA 1737+00 - 1751+00

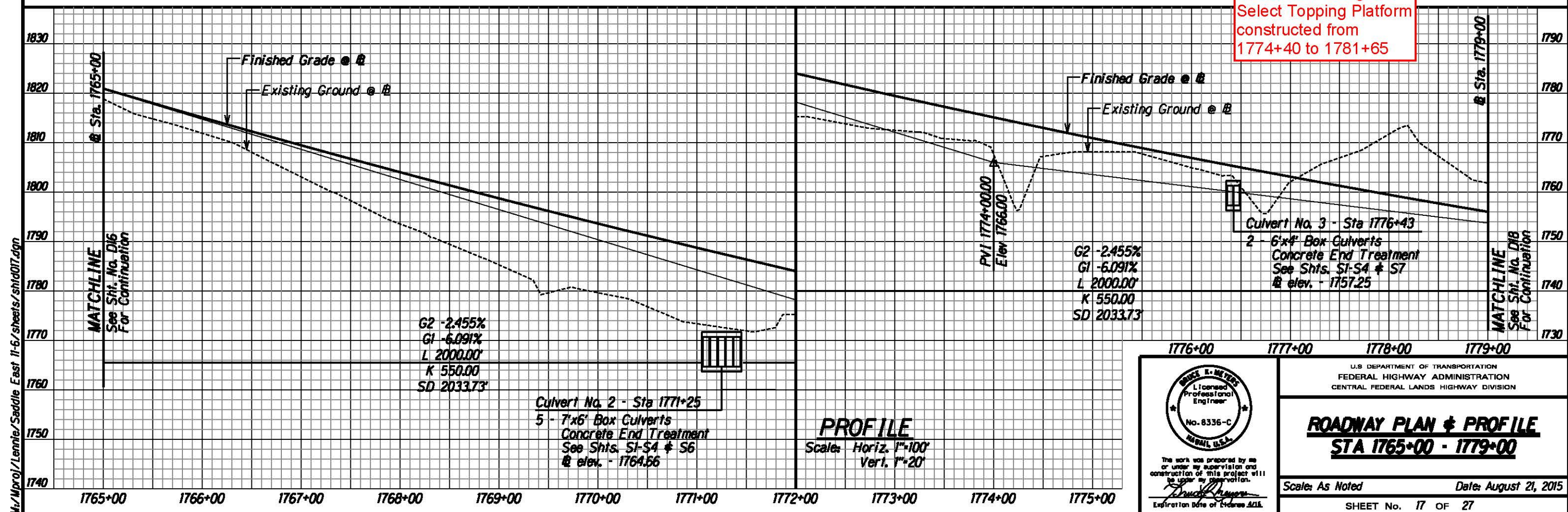
Scale: As Noted Date: August 21, 2015

SHEET No. 15 OF 27

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	D17	D27



Geotextile / Geogrid /
Select Topping Platform
constructed from
1774+40 to 1781+65



BRUCE E. MEYERS
Licensed Professional Engineer
No. 8336-C
HAWAII, U.S.A.

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Bruce E. Meyers
Expiration Date of License 12/31/2018

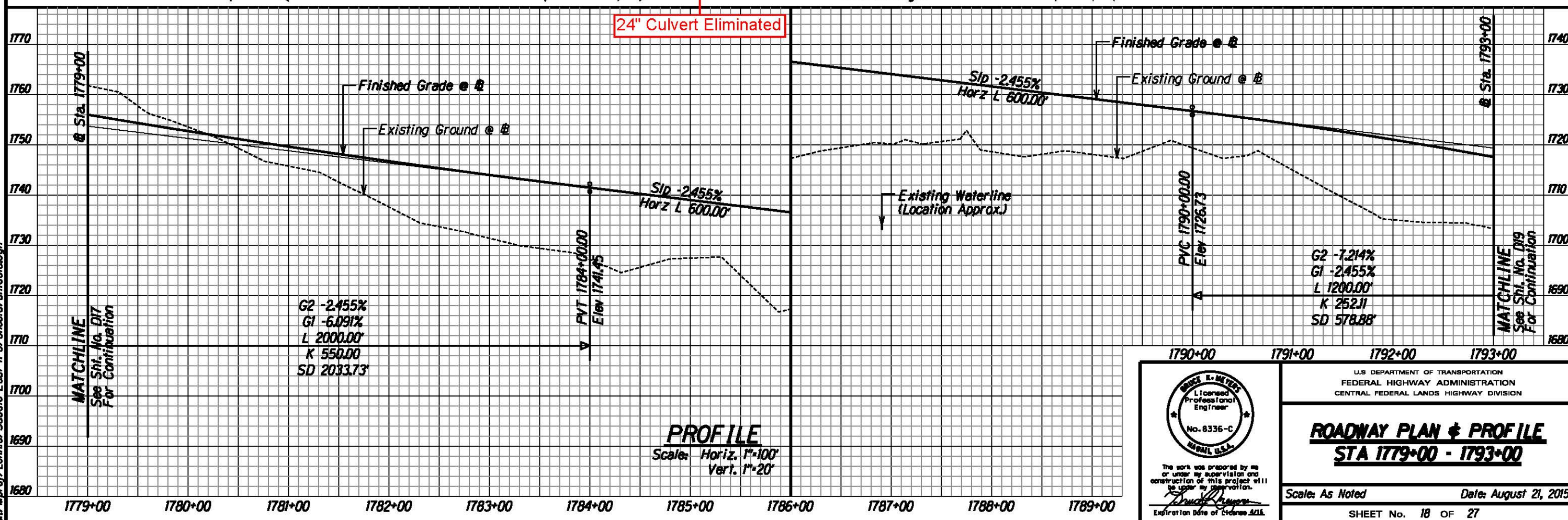
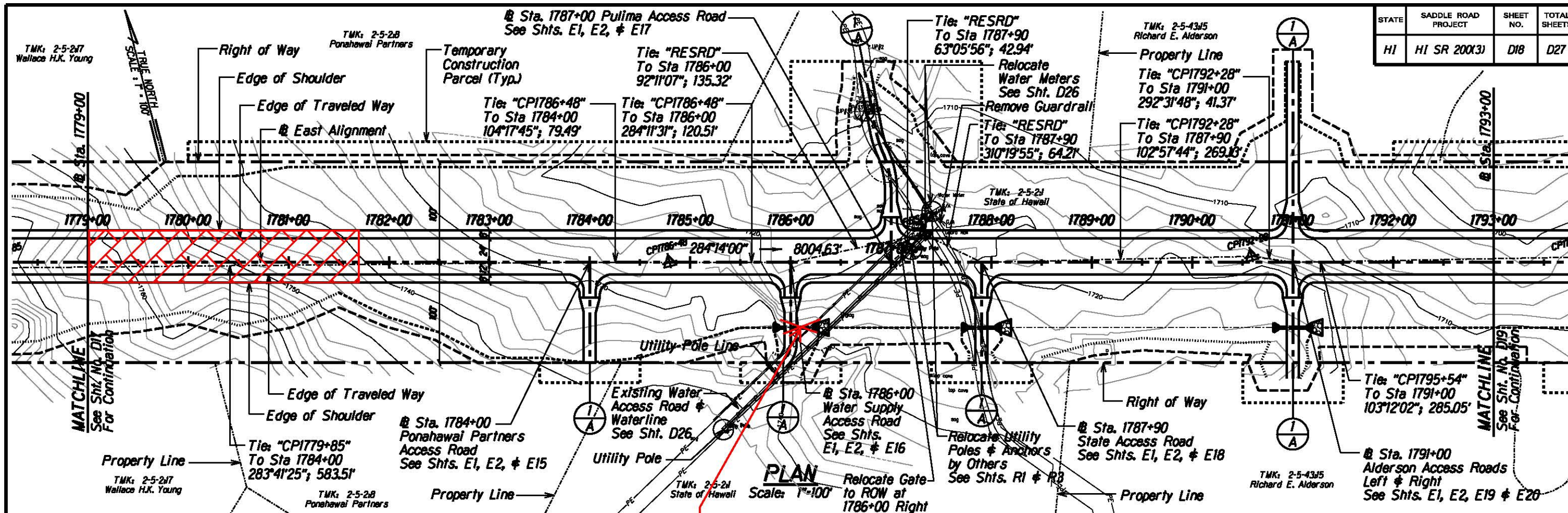
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

ROADWAY PLAN & PROFILE
STA 1765+00 - 1779+00

Scale: As Noted Date: August 21, 2015

SHEET No. 17 OF 27

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	D18	D27



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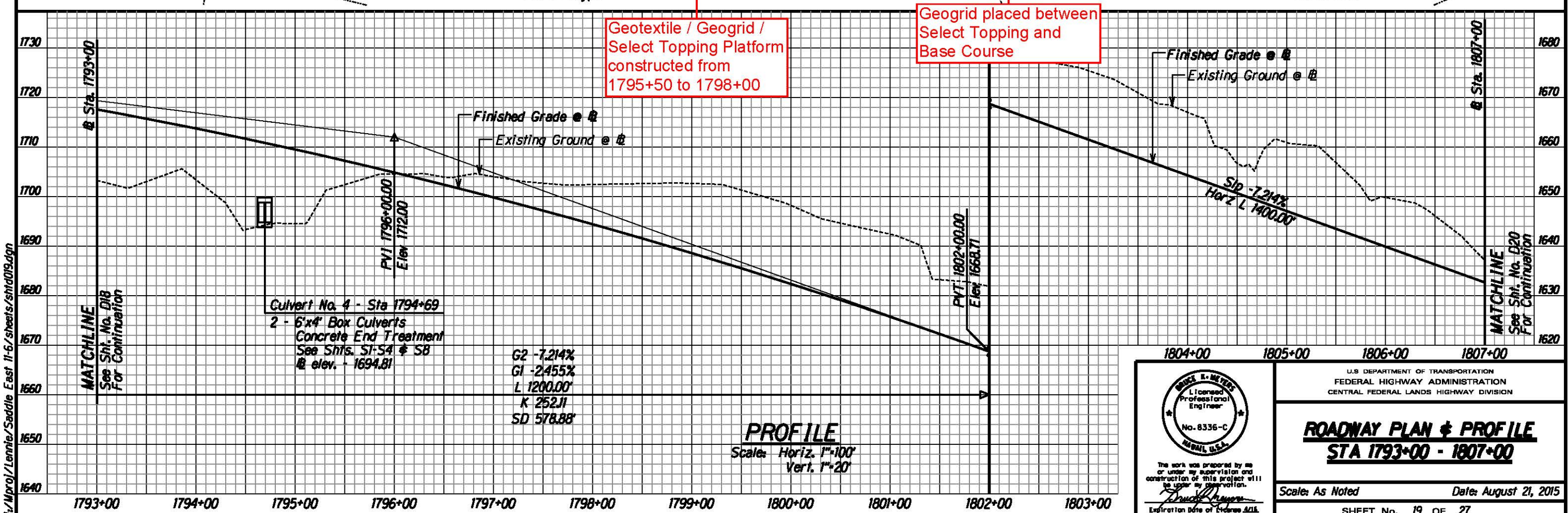
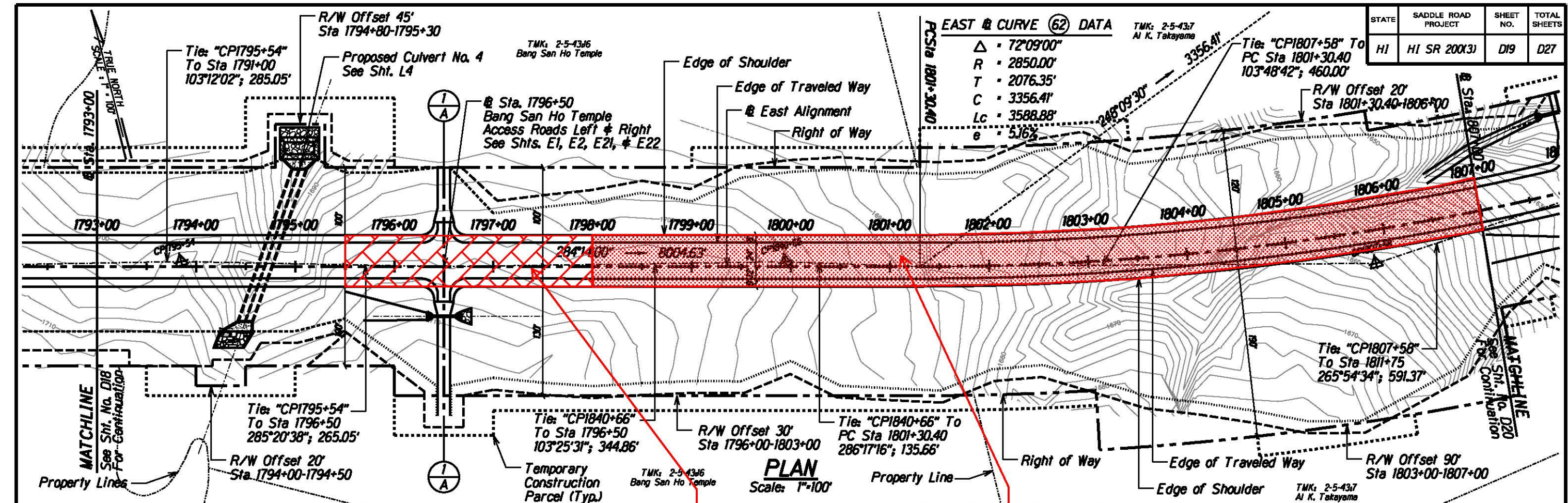
Bruce E. Meyers
Expiration Date of License 2018.

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

ROADWAY PLAN & PROFILE
STA 1779+00 - 1793+00

Scale: As Noted Date: August 21, 2015

SHEET No. 18 OF 27



STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200X3	D19	D27

The work was prepared by me or under my supervision and construction of this project will be under my supervision.

Bruce E. Meyers
Expiration Date of License 12/31/2018

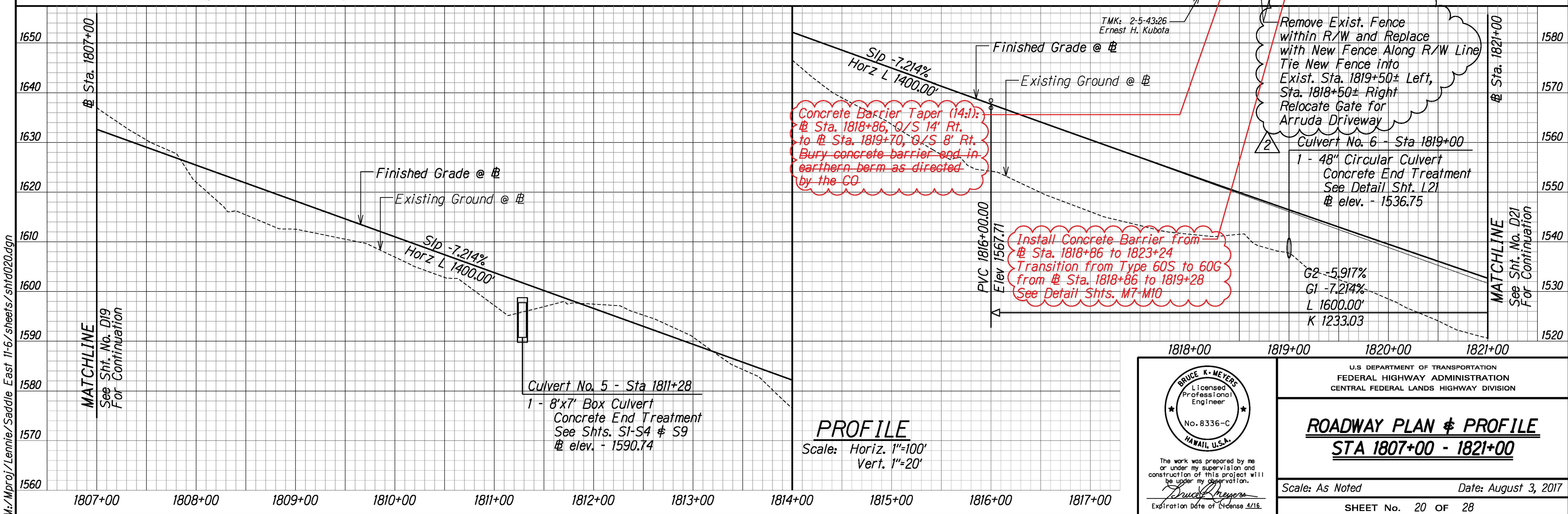
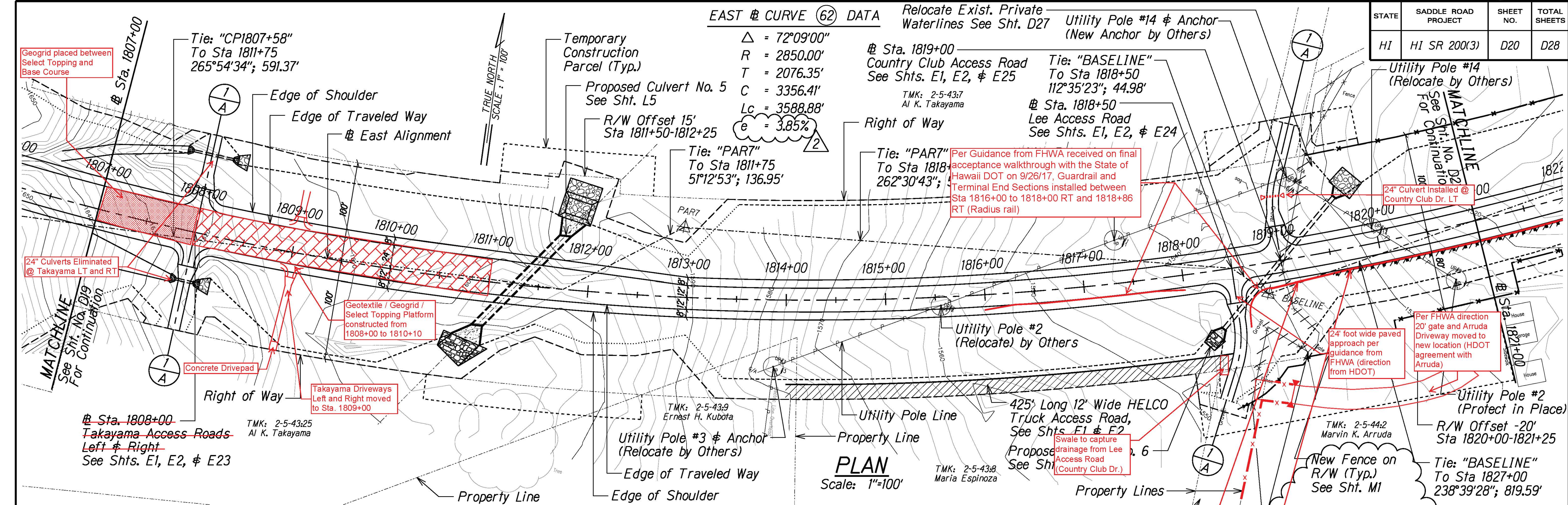
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

ROADWAY PLAN & PROFILE
STA 1793+00 - 1807+00

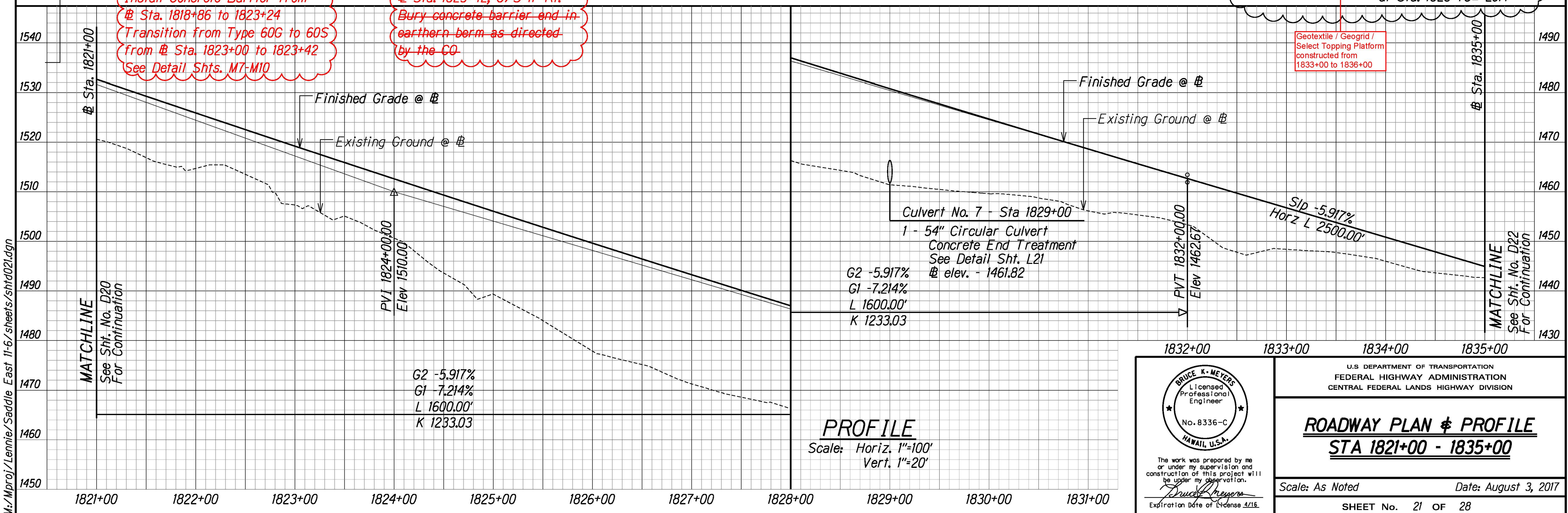
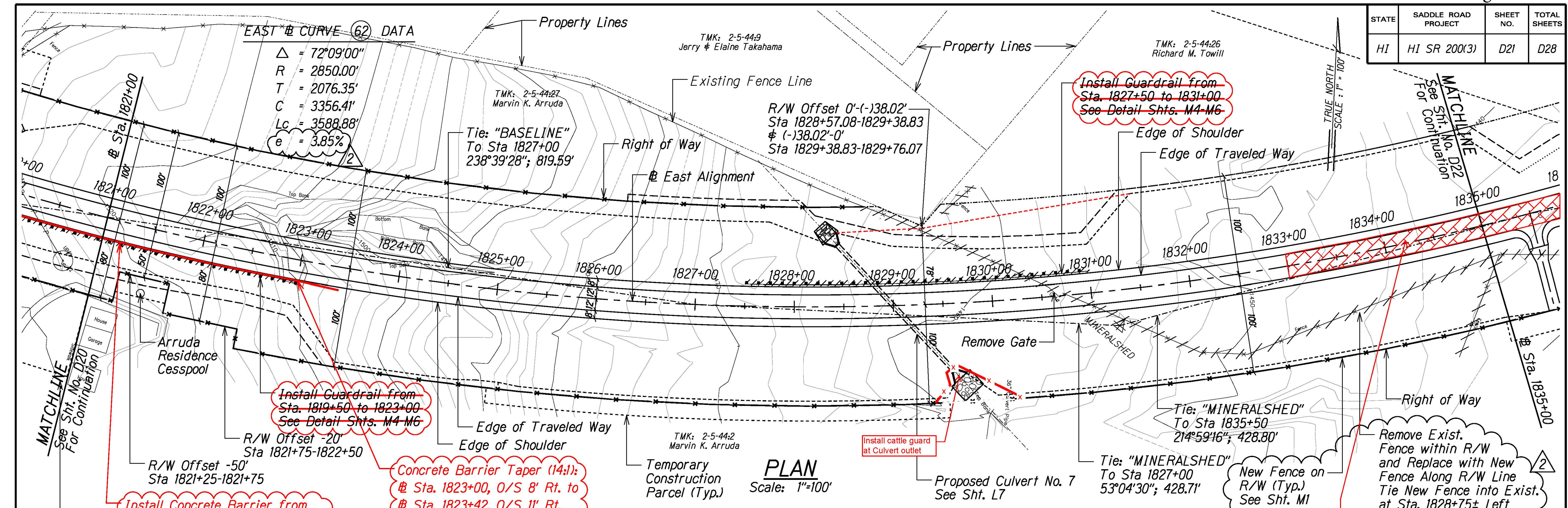
Scale: As Noted Date: August 21, 2015

SHEET No. 19 OF 27

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	D20	D28



STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	D21	D28



BRUCE K. MEYERS
Licensed Professional Engineer
No. 8336-C
HAWAII, U.S.A.
The work was prepared by me or under my supervision and construction of this project will be under my observation.
Expiration Date of License 4/16

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION
ROADWAY PLAN & PROFILE
STA 1821+00 - 1835+00
Scale: As Noted Date: August 3, 2017
SHEET No. 21 OF 28

EAST & CURVE (62) DATA

Δ = 72°09'00"
R = 2850.00'
T = 2076.35'
C = 3356.41'
Lc = 3588.88'
e = 5.16%

Tie: "CPI838+00" To
PT Sta 1837+19.28
212°04'42"; 131.35'

Tie: "CPI846+50" To
PT Sta 1837+19.28
34°34'34"; 134.28'

Tie: "CPI846+50" To
Sta 1840+50
210°22'53"; 196.66'

Proposed Culvert No. 8
See Sht. L8

Tie: "CPI801+64" To
Sta 1840+50
3°09'45"; 387.82'

R/W Offset 45'
Sta 1846+50-1847+50
R/W Offset 0'-45'
Sta 1846+12.89-1846+50

R/W Offset 45'-15'
Sta 1847+50-1850+00
Tie: "CPI851+50" To
PC Sta 1846+12.89
39°12'19"; 322.12'

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200X3	D22	D27

TMK: 2-5-44d
Richard M. Towill

Edge of Shoulder
Edge of Traveled Way
East Alignment

Tie: "CPI801+64" To
PC Sta 1846+12.89
214°07'19"; 175.23'

EAST & CURVE (63) DATA

Δ = 56°20'00"
R = 1480.00'
T = 792.46'
C = 1397.23'
Lc = 1455.14'
e = 4.58%

R/W Offset 0'-60'
Sta 1844+00-1846+12.89

R/W Offset 60'
Sta 1846+12.89-1850+00

Proposed Culvert No. 9
See Sht. L9

PLAN Scale: 1"=100'

STA 1837+50 Centerline to Right
Ditch: 24" x 24" underdrain with 4"
perforated pipe and drain rock

Continue fence from
1837+00 +/- along R/
W line

Geotextile / Geogrid /
Select Topping Platform
constructed from
1840+00 to 1844+00

Geogrid placed between
Select Topping and
Base Course

PROFILE Scale: Horiz. 1"=100' Vert. 1"=20'

Culvert No. 8 - Sta 1841+62
1 - 48" Circular Culvert
Concrete End Treatment
See Detail Sht. L20
@ elev. = 1394.71

Culvert No. 9 - Sta 1847+25
2 - 8'x6' Box Culverts
Concrete End Treatment
See Shts. S1-S4 & S10
@ elev. = 1347.99



The work was prepared by me
or under my supervision and
construction of this project will
be under my supervision.
Signature: Bruce E. Meyers
Expiration Date of License: 2018

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

ROADWAY PLAN & PROFILE STA 1835+00 - 1849+00

Scale: As Noted Date: August 21, 2015
SHEET No. 22 OF 27

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	D24	D27

