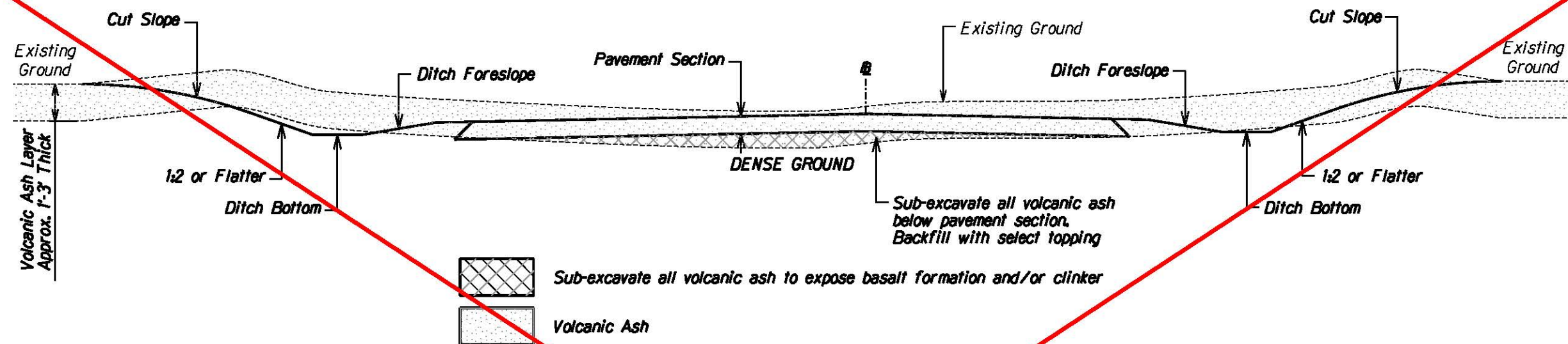
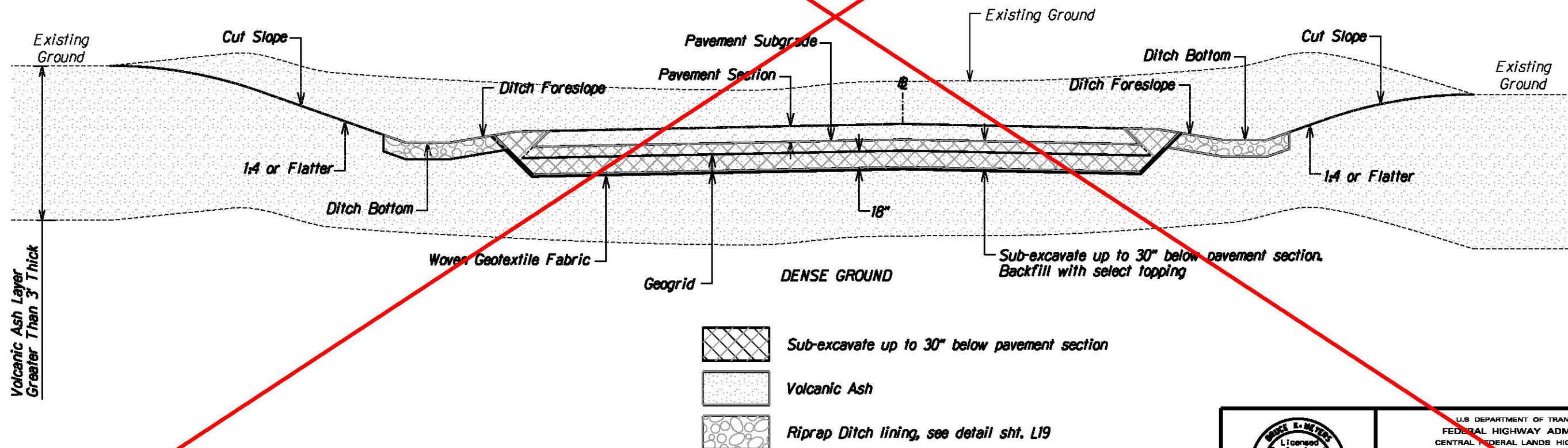


STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	B7	B11



Earthwork Condition No. 3 - Cut Section
(Sta. 1729+50 to 1795+00)
 *Volcanic ash less than 3 feet thick in most areas



Earthwork Condition No. 4 - Cut Section
(Sta. 1795+00 to 1864+00)
 *Volcanic ash is thick (greater than 3 feet thick in most areas)

Note:
 If basaltic rock is encountered at the pavement section subgrade from sta. 1795+00 to 1864+00, do not install a working platform and instead follow Typical Cut Section Detail on sheet B4.



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 2/15

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

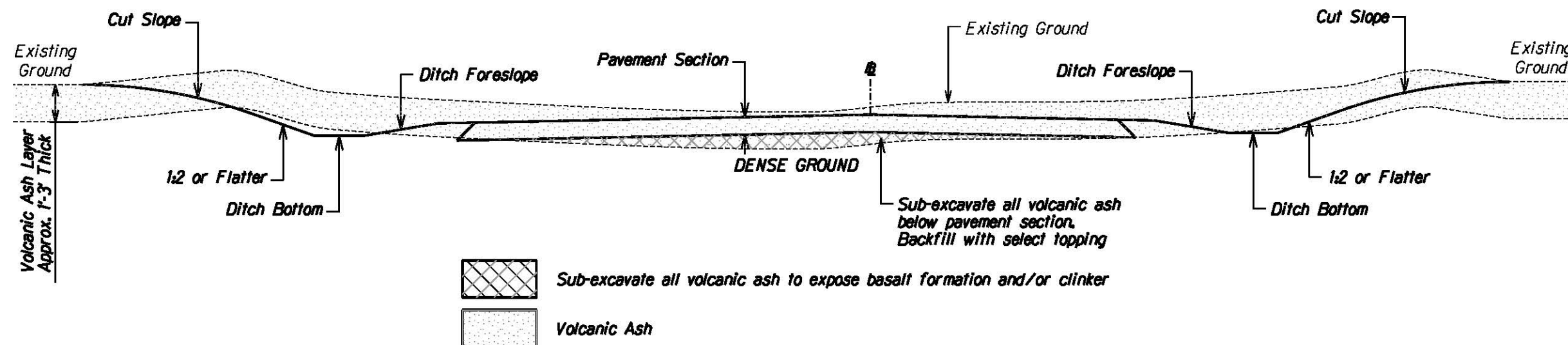
**SADDLE ROAD
 ROADWAY DETAILS
 CUT IN ASH**

Scale: N.T.S. Date: August 21, 2015

SHEET No. 4 OF 4

M:\Mproj\Lenzie\Saddle East 11-6\sheet\shb007.dgn

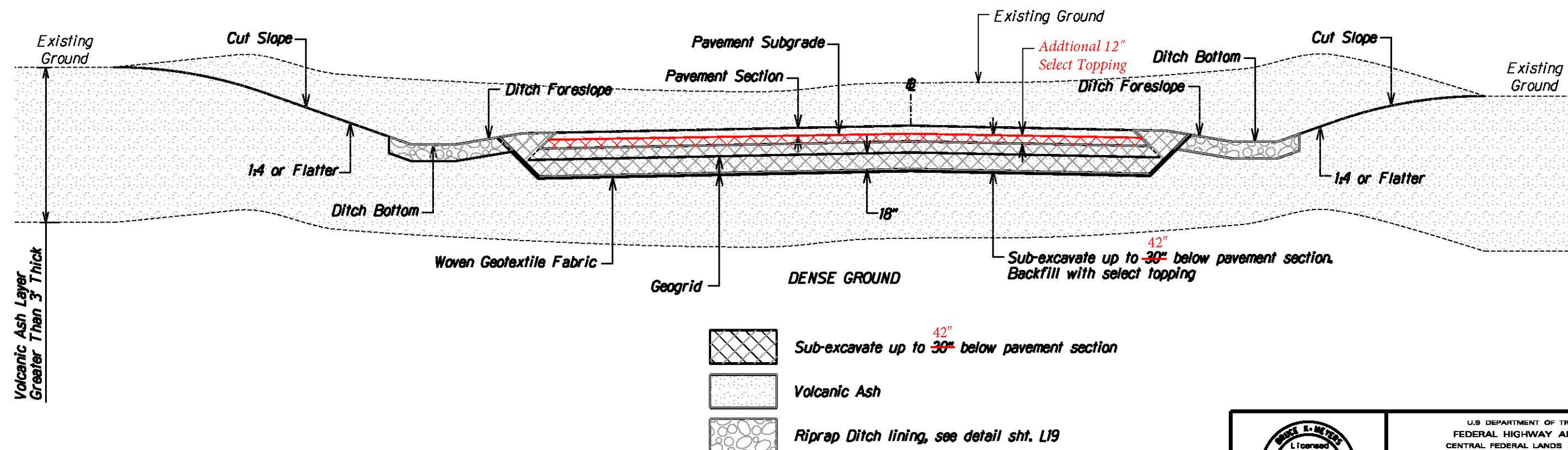
STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	B7	B11



Earthwork Condition No. 3 - Cut Section

(Sta. 1729+50 to 1795+00) STA 1729+50 - 1753+00

•Volcanic ash less than 3 feet thick in most areas

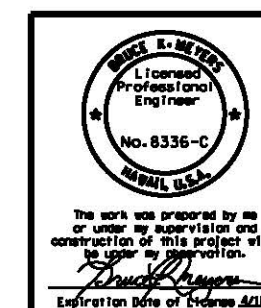


Earthwork Condition No. 4 - Cut Section

(Sta. 1795+00 to 1861+00) STA 1753+00 - 1861+00

•Volcanic ash is thick (greater than 3 feet thick in most areas)

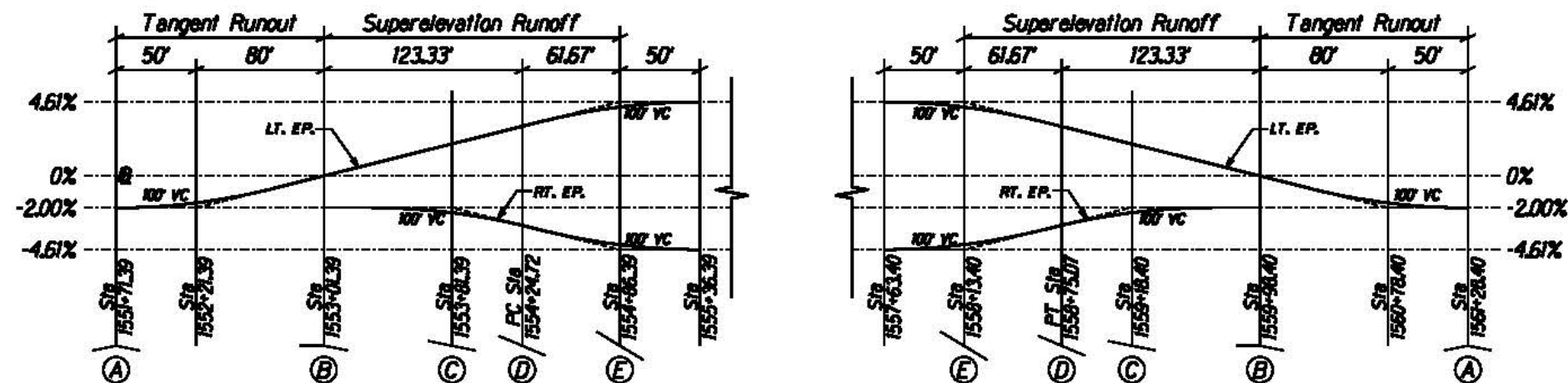
Note:
If basaltic rock is encountered at the pavement section subgrade from sta. 1795+00 to 1861+00, do not install a working platform and instead follow Typical Cut Section Detail on sheet B4.



U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION	
SADDLE ROAD ROADWAY DETAILS CUT IN ASH	
Scale: N.T.S.	Date: August 21, 2015
SHEET No. 4 OF 4	

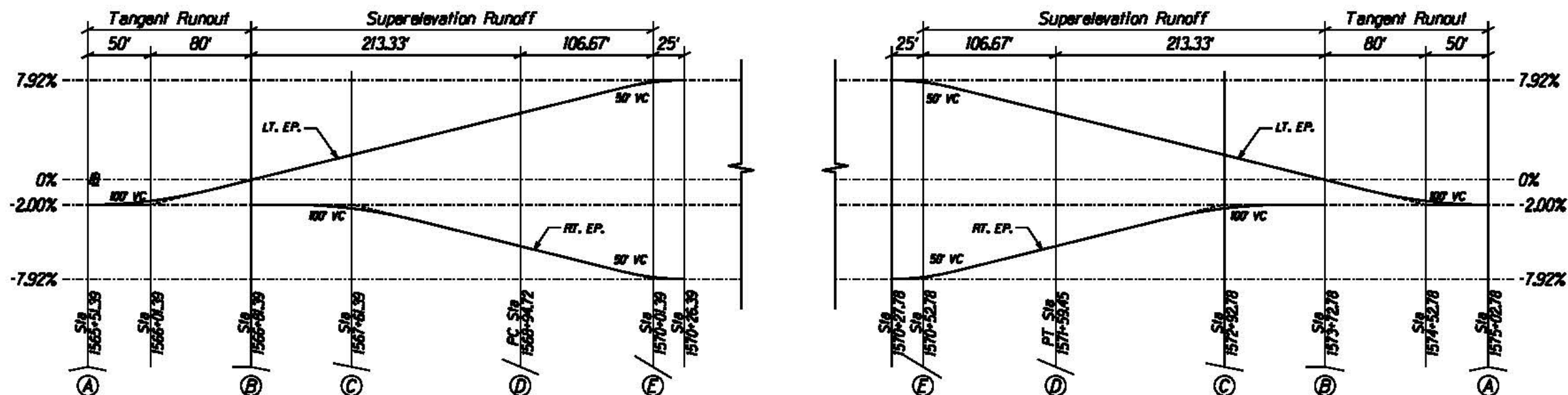
M:\Mproj\Lenzie\Saddle East 11-6\sheet\shdb007.dgn

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	B8	B11



East Horizontal Curve No. 55
 $R = 3280'$; $e = 4.61\%$; Right

V=60 mph



East Horizontal Curve No. 56
 $R = 1280'$; $e = 7.92\%$; Right

V=60 mph



The work was prepared by me or under my supervision and construction of this project will be under my supervision.
 David S. M.
 Registration Date of License 2/16

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

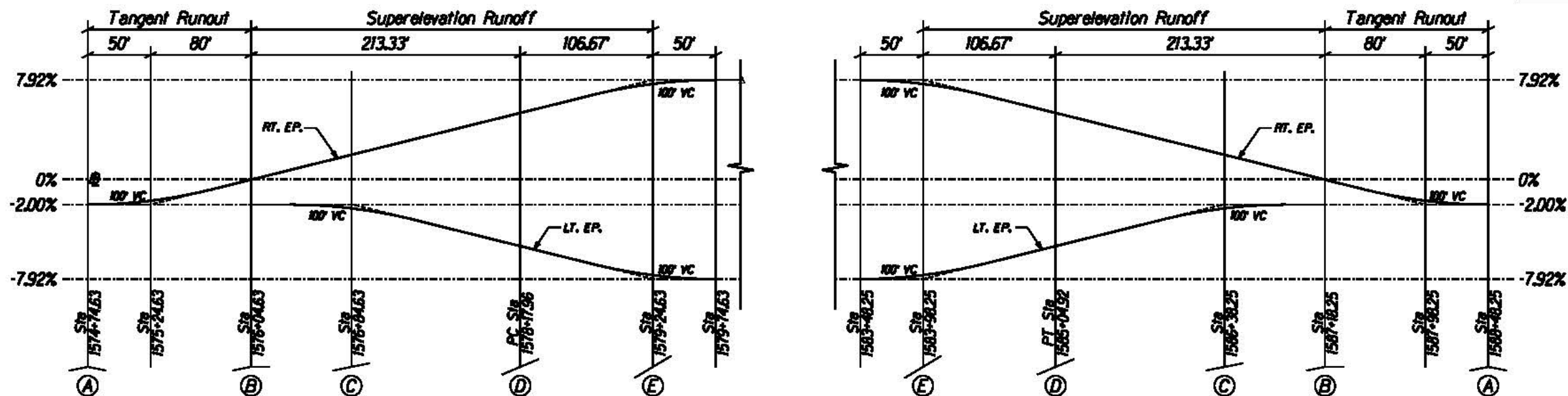
EAST SADDLE ROAD **SUPERELEVATION DIAGRAMS**

Scale: N.T.S.

Date: August 21, 2015

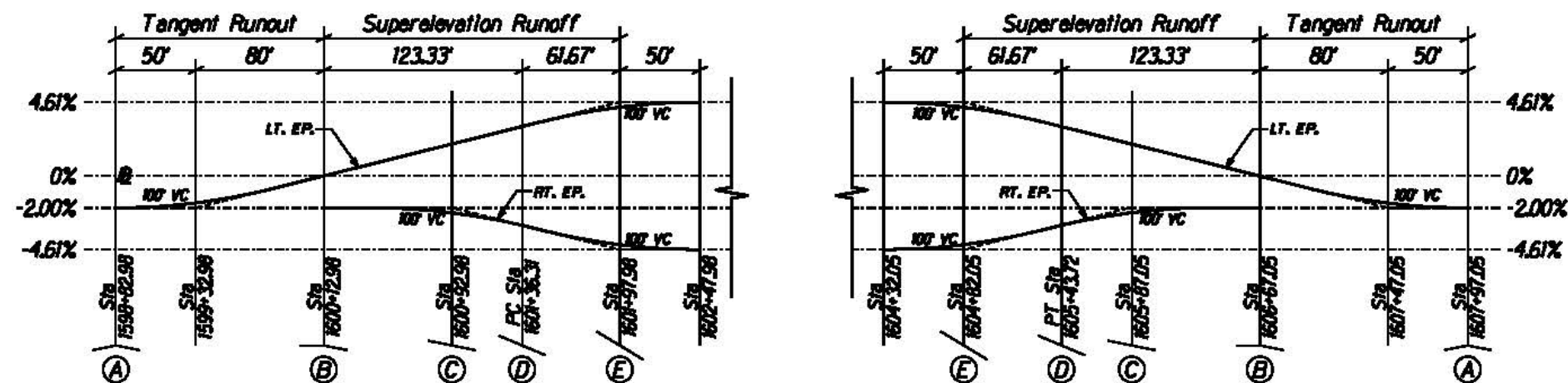
SHEET No. 1 OF 4

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	B9	B11



East Horizontal Curve No. 57
 $R = 1280'$; $e = 7.92\%$; Left

V=60 mph

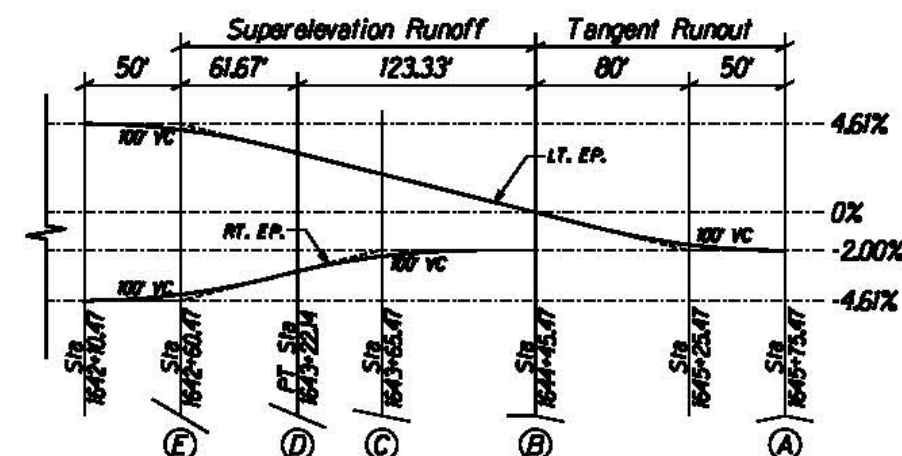
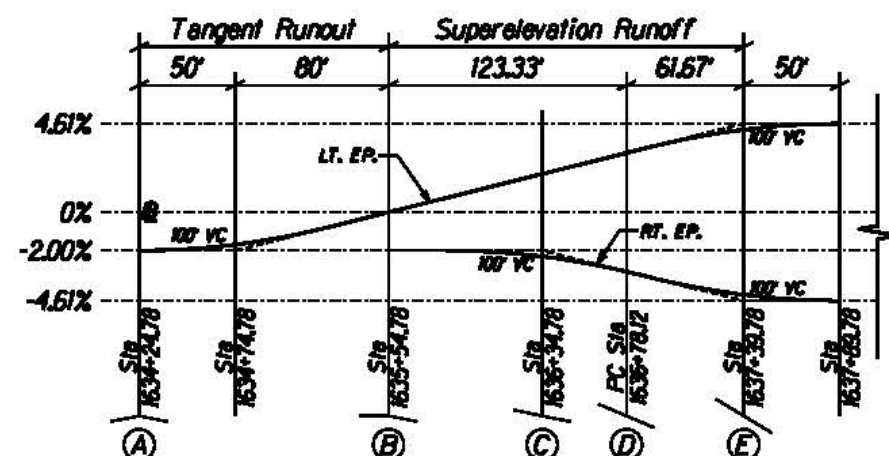


East Horizontal Curve No. 58
 $R = 3280'$; $e = 4.61\%$; Right

V=60 mph

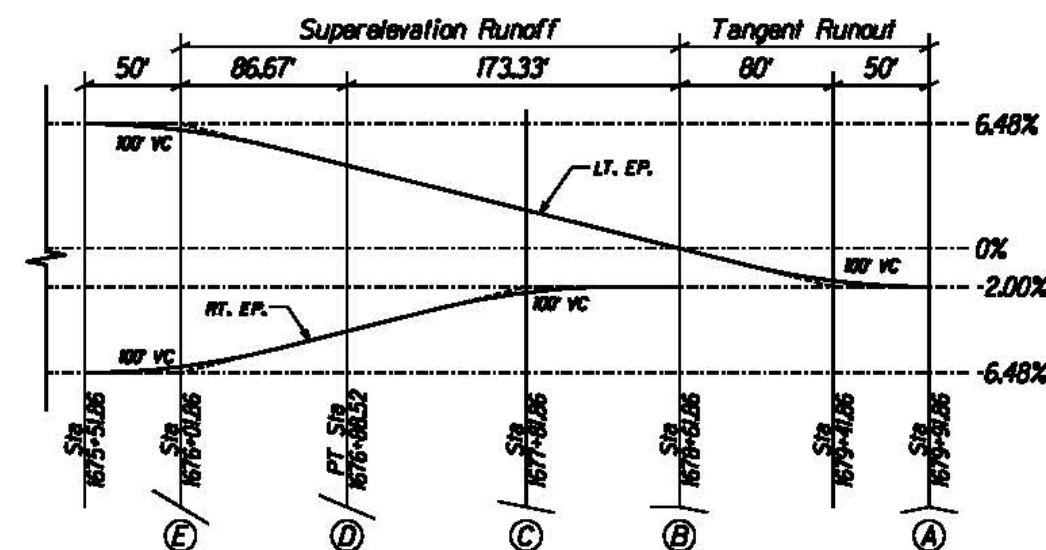
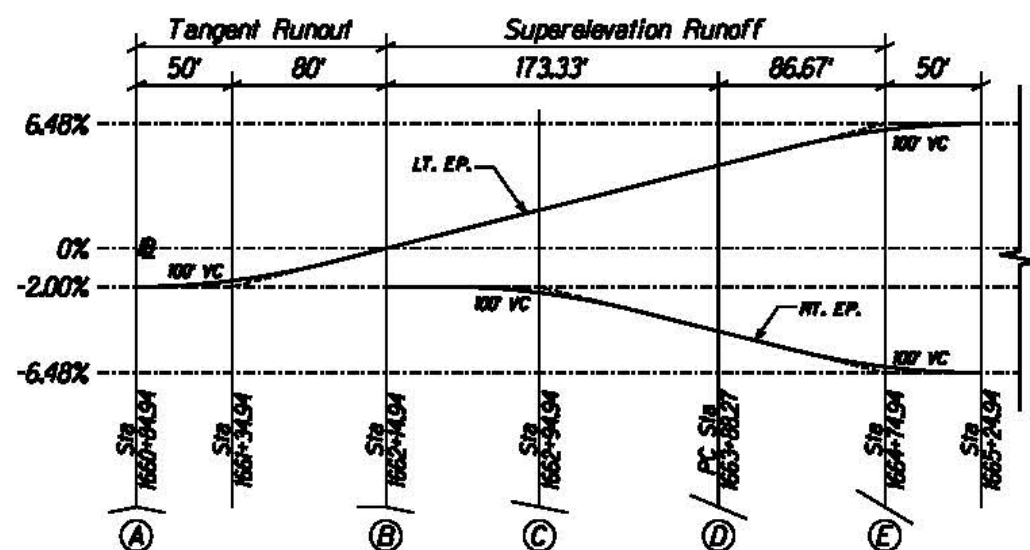
The work was prepared by me or under my supervision and construction of this project will be under my supervision. <i>[Signature]</i> Expiration Date of License 2018.	U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION
	EAST SADDLE ROAD SUPERELEVATION DIAGRAMS
Scale: N.T.S.	Date: August 21, 2015
SHEET No. 2 OF 4	

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	B10	B11



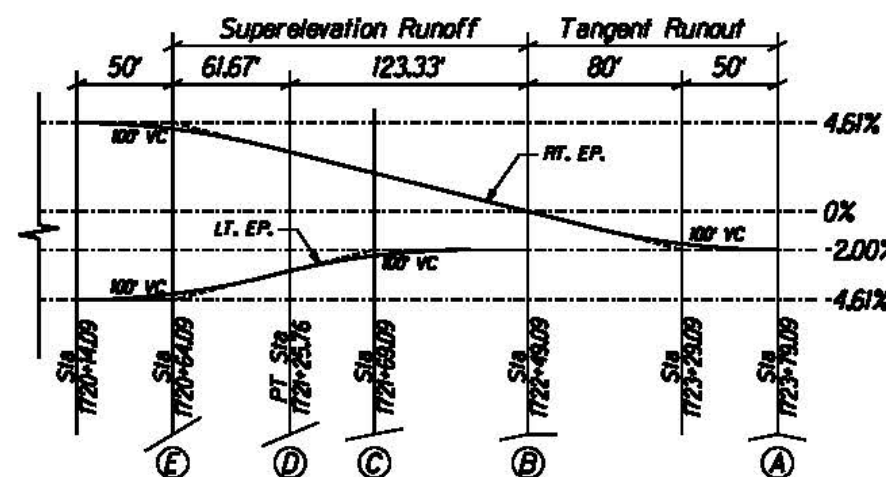
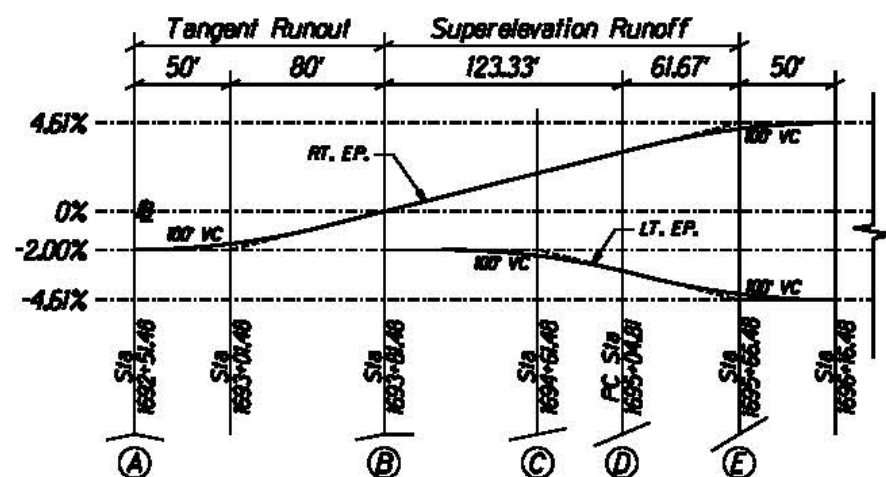
East Horizontal Curve No. 59
 $R = 3280'$; $e = 4.61\%$; Right

V=60 mph



East Horizontal Curve No. 60
 $R = 1970'$; $e = 6.48\%$; Right

V=60 mph



East Horizontal Curve No. 61
 $R = 3280'$; $e = 4.61\%$; Left

V=60 mph

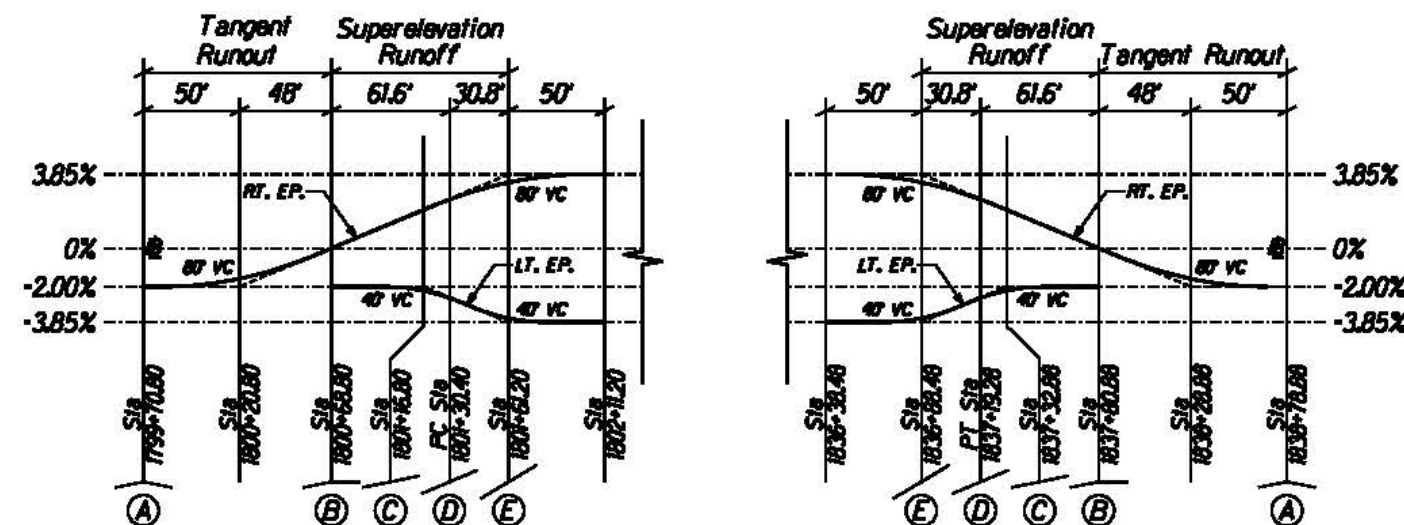


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EAST SADDLE ROAD
SUPERELEVATION DIAGRAMS

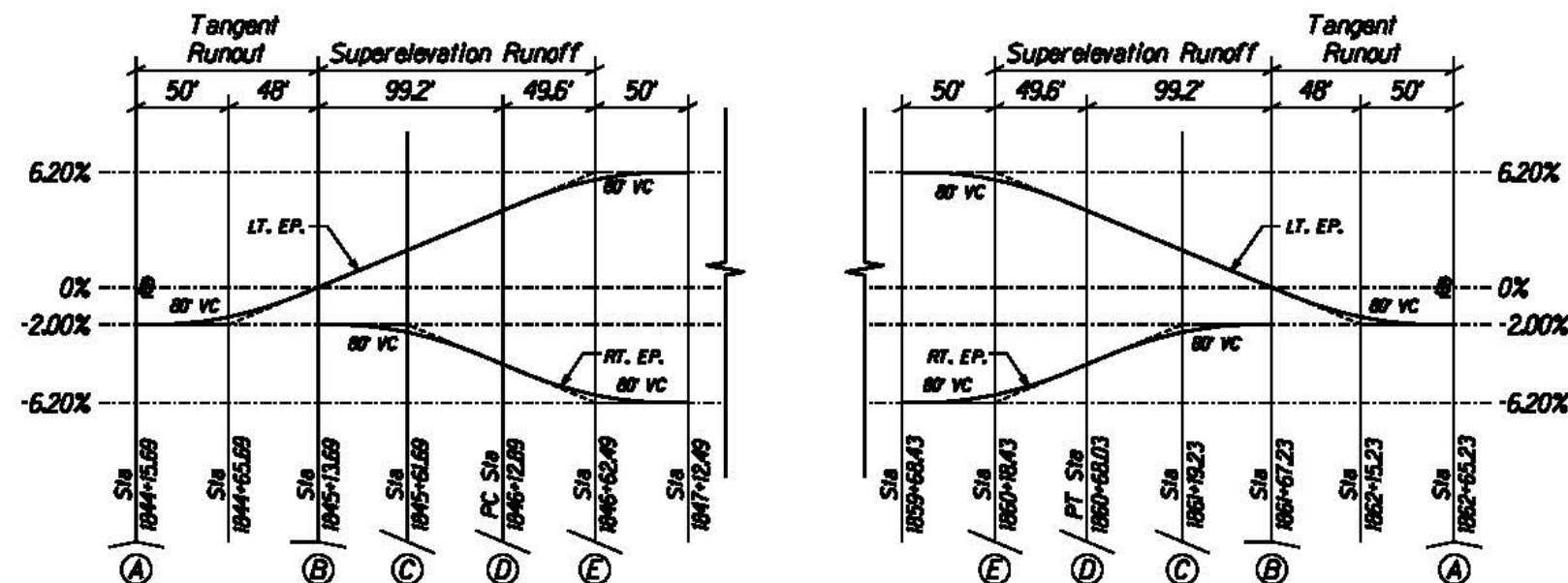
Scale: N.T.S. Date: August 21, 2015
 SHEET No. 3 OF 4

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	H1 SR 200(3)	B11	B11



East Horizontal Curve No. 62
 $R = 2850'$; $e = 3.85\%$; Left

V=50 mph



East Horizontal Curve No. 63
 $R = 1480'$; $e = 6.20\%$; Right

V=50 mph

The work was prepared by me or under my supervision and construction of this project will be under my supervision. <i>David S. M.</i> Registration Date of Hawaii 2016.	U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION
	EAST SADDLE ROAD SUPERELEVATION DIAGRAMS
	Scale: N.T.S. Date: August 21, 2015 SHEET No. 4 OF 4