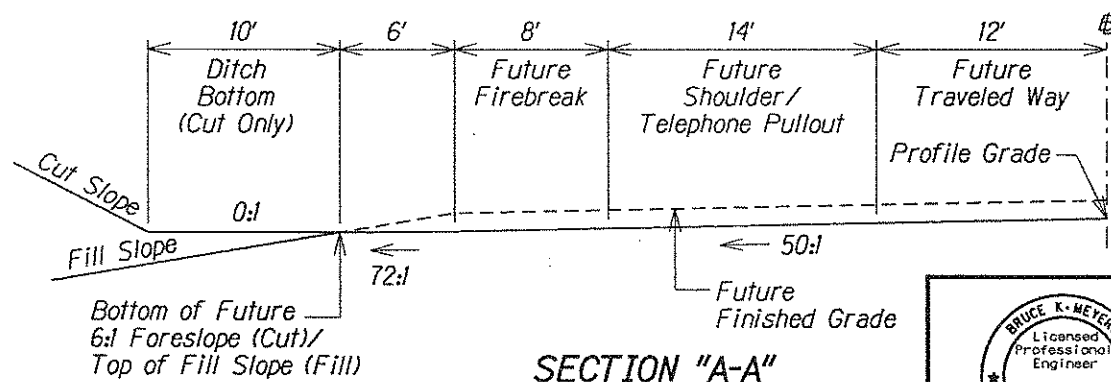
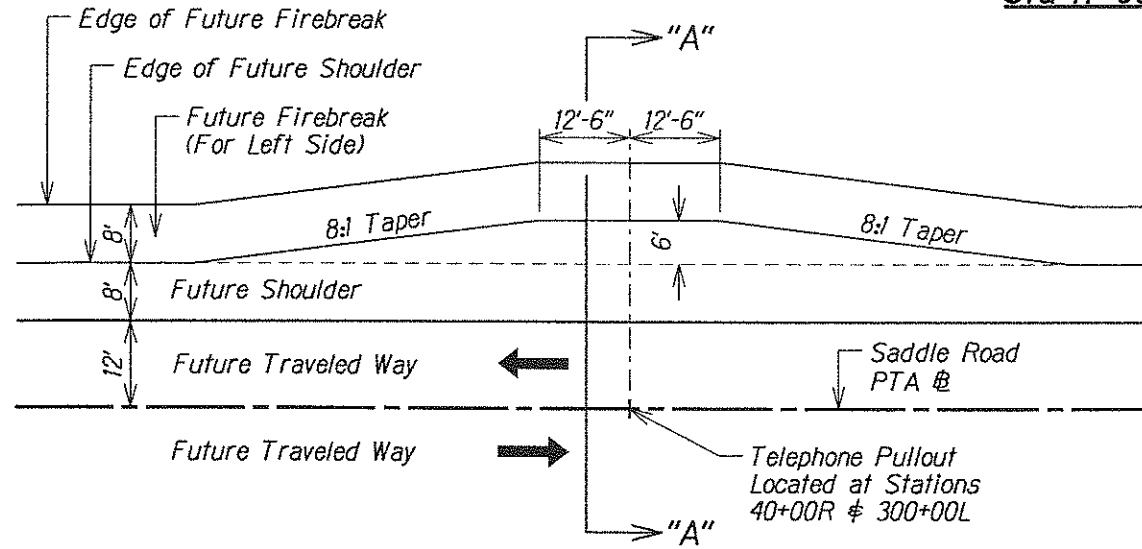
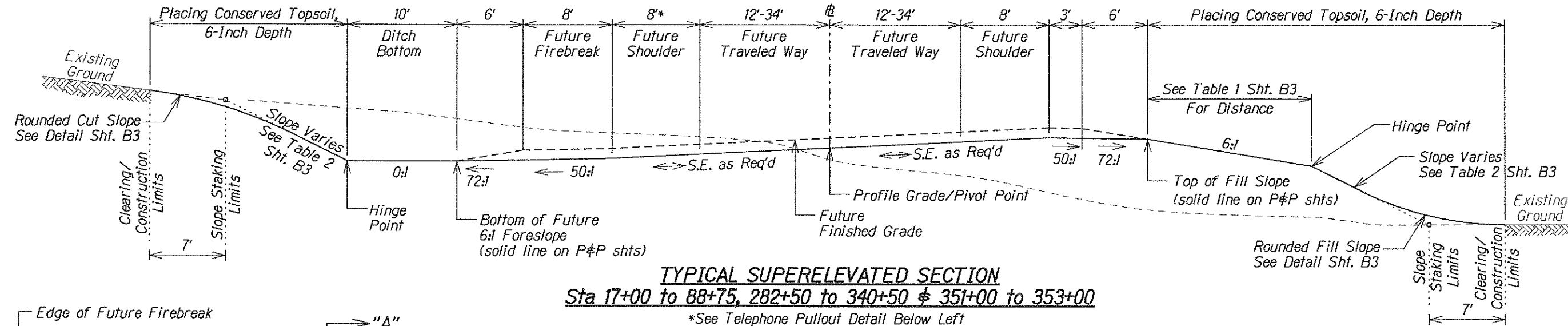
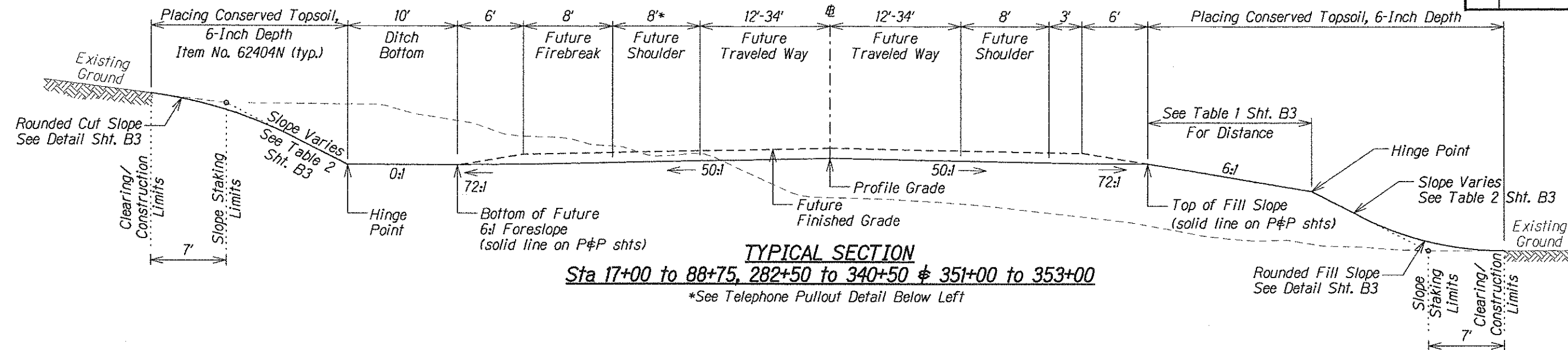


STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(4)	B2	B5



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

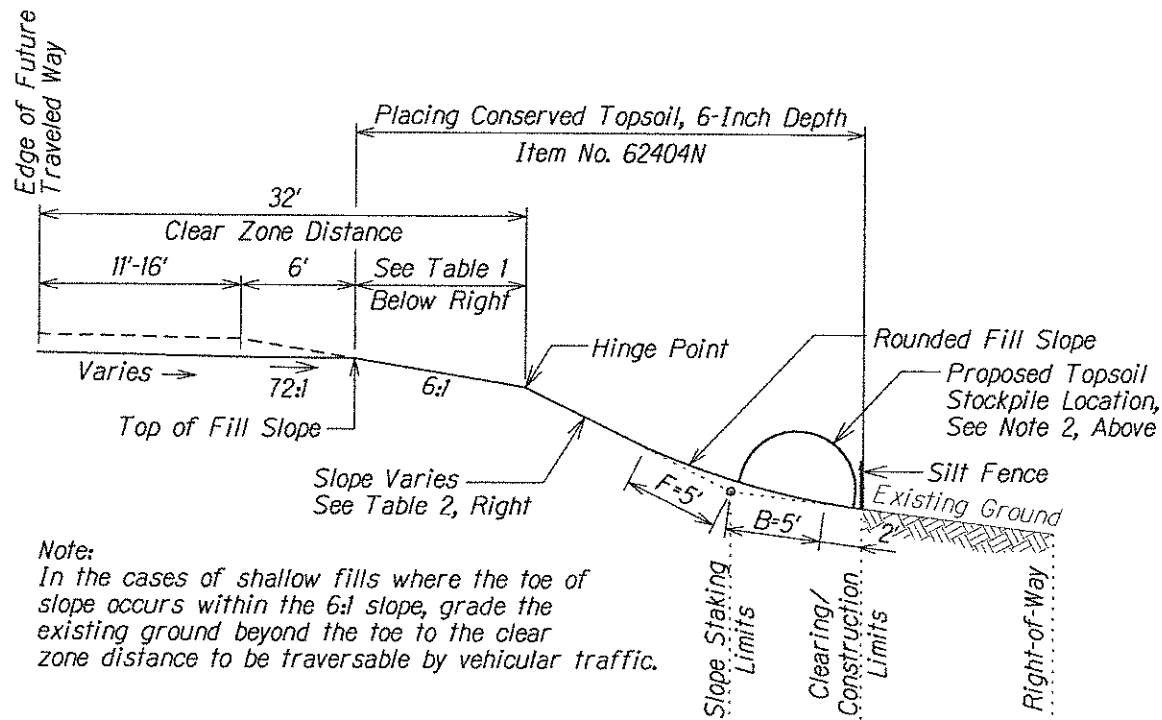
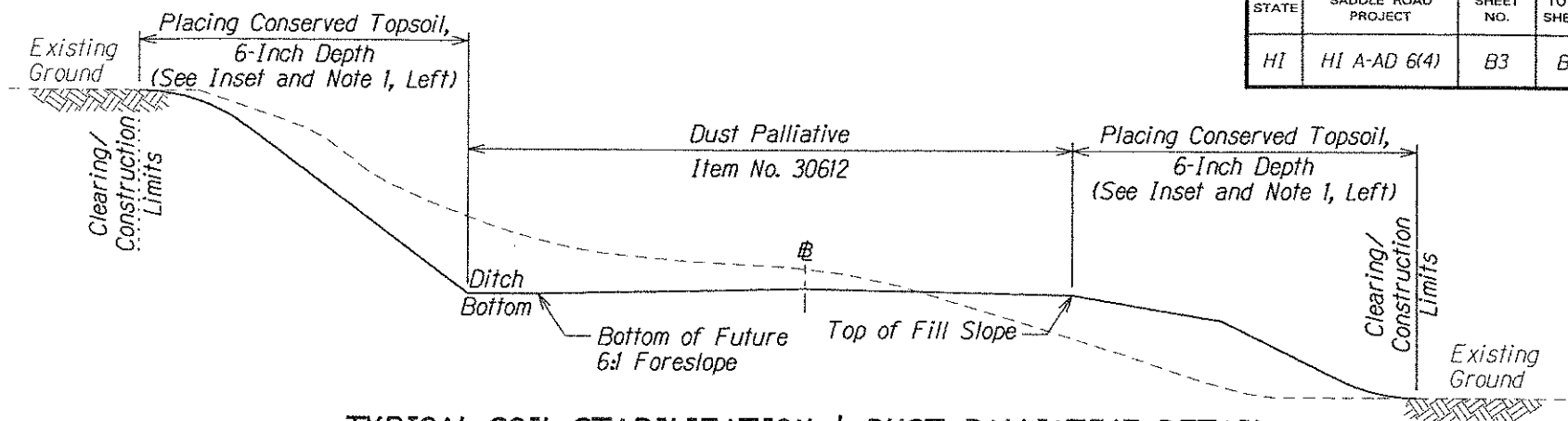
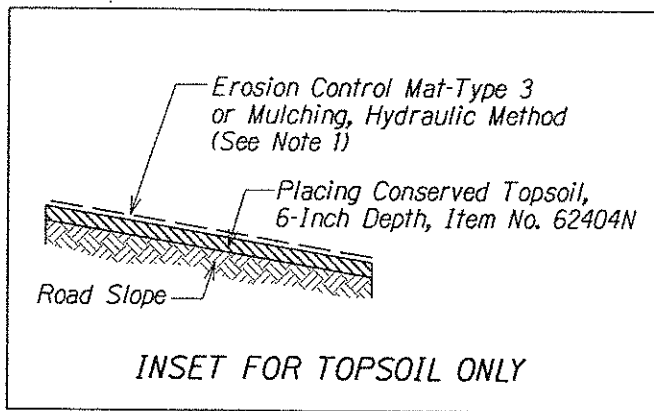
The work was prepared by me or under my supervision and construction of this project will be under my observation.
Expiration Date of License 3/08

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION	
SADDLE ROAD PTA TYPICAL SECTIONS	
Scale: N.T.S.	Date: June 29, 2007
SHEET No. 1 OF 1	

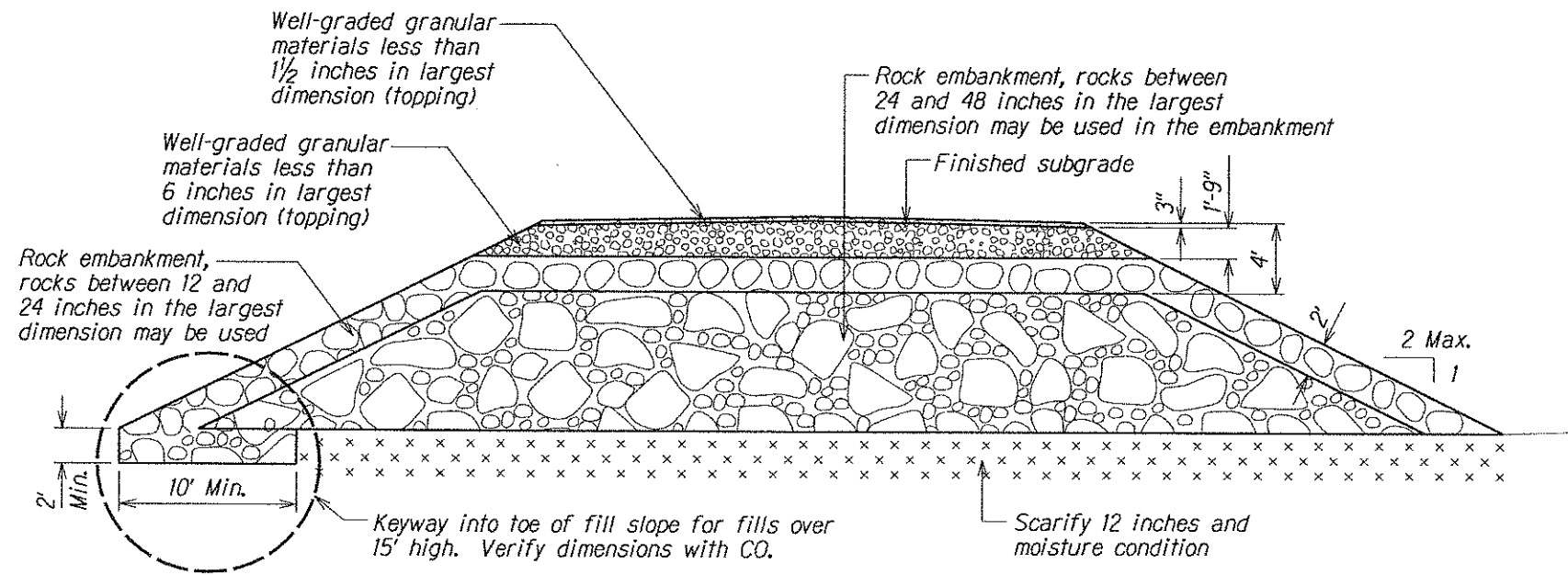
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NOTES:

- For 2:1 or steeper slopes, use erosion control matting type 3 (62901C). For slopes flatter than 2:1, use mulching, hydraulic method (62504B).
- Approximate 6' high stripped topsoil stockpiles to be located in area between slope staking and construction limits. Contractor may propose other stockpile locations. Submit all location proposals to CO for approval.



Note:
In the cases of shallow fills where the toe of slope occurs within the 6:1 slope, grade the existing ground beyond the toe to the clear zone distance to be traversable by vehicular traffic.



TYPICAL EMBANKMENT W/ROCK DETAIL

***This detail is schematic. Refer to the typical road sections on sheet B2 for the geometric configurations of embankments.

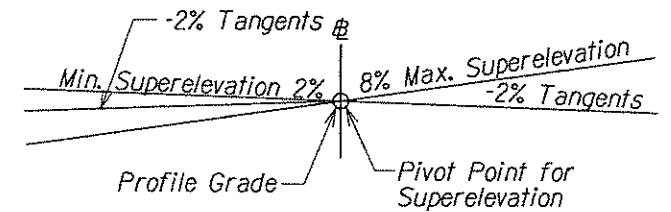
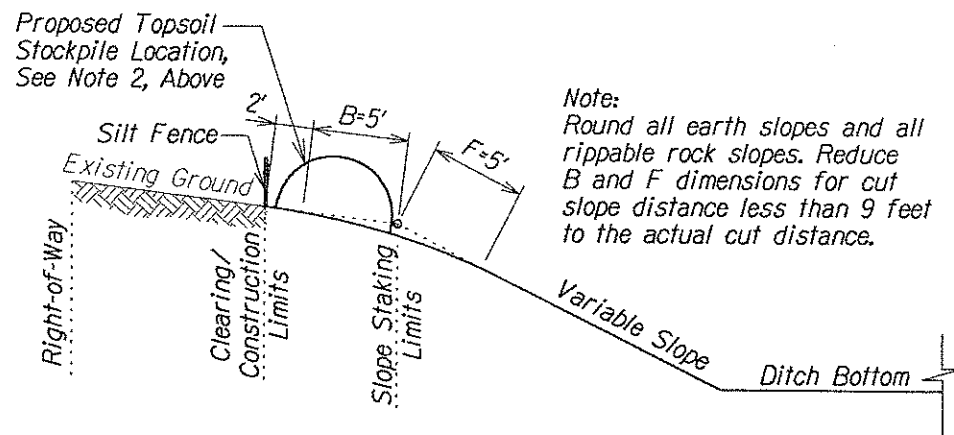


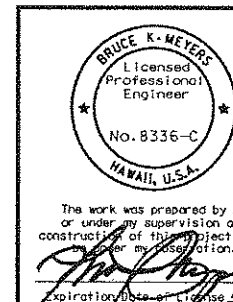
TABLE 1 - 6:1 FILLSLOPE DISTANCES		
Station	Left	Right
17+00 - 88+75	10'	15'
282+50 - 340+50	10'	15'
351+00 - 353+00	10'	15'

TABLE 2 - TYPICAL SLOPE RATIOS		
Slope	Cut Slope Ht.	Fill Slope Ht.
6:1	0' - 6'	0' - 2'
4:1	6' - 9'	2' - 4'
3:1	9' - 12'	4' - 8'
2:1	12' - over	8' - over

Note:
In the "barn roof" type fill, the slope beyond the 6:1 follows table above.



Note:
Round all earth slopes and all rippable rock slopes. Reduce B and F dimensions for cut slope distance less than 9 feet to the actual cut distance.



U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION	
SADDLE ROAD ROADWAY DETAILS	
Scale: N.T.S.	Date: June 29, 2007
SHEET No. 1 OF 1	