

	DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS		
DRILLED HOLE	PLANS APPROVAL DATE							
/	The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.							
	The Registered Civil Engineer for the project is responsible for the selection and proper application of the component design and any modifications shown.							

- AASHTO LRFD Bridge Design Specifications, 4th Edition with California Amendments.
- LIVE LOAD: 240 psf equivalent to 2 feet soil weight.
- PARAMETERS: (For determination of Design Lateral Earth Pressures) Backfill soil weight = \_\_\_\_  $lb/ft^3$ Friction Angle = \_\_\_ Active Pressure coefficent, Ka = Bedrock Unit Weight = \_\_\_\_\_  $Ib/ft^3$

k<sub>h</sub> = \_\_\_\_

ASTM A572/A, ASTM 572M Grade 50 Min, or ASTM A36/A36M

f'c = 4000 psi fy = 60 ksi

> Treated Douglas Fir, Grade No.1 or better. Timber to be full sawn.

FDL = Factored Design Load on ground anchor (kips) FTL = Factored Test Load (kips) LL = Lock-Off Load (kips)

fpu = Minimum ultimate tensile strength of ground anchor steel (ksi)

As (Min) = Minimum cross sectional area of steel in ground anchor. (square inch)

Steel = ASTM designation: A416 (HS Strands)

As (Min) =  $\frac{1.0 \text{ FTL}}{0.75 \text{ fpu}}$ 

Steel = ASTM designation: A722 (HS Bars)

As (Min) =  $\frac{1.0 \text{ FTL}}{0.80 \text{ fpu}}$ 

- FDL = \_\_\_\_ Kips
- FTL = \_\_\_\_ Kips
- LL = \_\_\_\_ Kips

GE NO.								
T MILE	SOLDIER	PILE	WALL	WITH	GROUND	AN	СНС	)RS
CONTRACT	ITRACT NO.: DISREGARD PRINTS BEARING EARLIER REVISION DATES			REVISION DATES 6-24-14 8-15-14 7-12-16		SHEET	OF	