- All trees shall be protected. All trees 24" caliper or greated 1. trees other than those designated for removal are damaged Contractor shall remove such trees and replace with a tree of of the construction or 12 months whichever is greater at no
- The recommended tree protection zone should be located at 2. minimum protection zone around a tree should be at least 2 all palms, the minimum protection zone should be at least 1
- All underground utilities and irrigation lines should be routed 3. traverse the tree protection zone, they shall be tunneled or b protection zone.
- All trees shall remain unless shown for removal. All protecte 4. and utilities plans. If there is a discrepancy with all plans,
- Protective fences shall be erected around trees identified on 5. (as measured at a height of $4 \frac{1}{2}$ feet.) Protective fence sha equivalent supported on steel t-post a minimum of 6 feet lor 10 feet from tree trunk with steel t-post at a minimum of 5 Engineer prior to any demolition work and shall remain in place all four sides to read "Tree Protection Zone [TPZ] - no grade
- For the duration of construction within the drip line of the tr 6.
- no changes, alteration or disturbance to the grade by adding ____
- no storage on construction materials or equpment; —
- no stockpiling of any construction materials or excavated mat —
- no disposal of any liquids E.G. Concrete sleuth, gas, oil, pain ----
- no vehicular traffic, equipment or excessive pedistrian traffic; ____
- no attachment of any wires, ropes, lights or any other such ____ tree to be preserved;
- no cleaning of equipment or material under the canopy of ar ____
- Auger tunneling, not trenching, shall be used where possible for trenching is necessary it shall be hand dug within the drip line 7.

ORIGINAL	ORIGINAL SURVEY PLOTTED BY	PLOTTED	BY	DATE
PLAN	DRAWN BY.	JY.		F
	TRACED BY_	BY		
NOTE BOOK DESIGNED BY	DESIGNED	BY		•
	QUANTITIES BY	ES BY		E
Ž	CHECKED BY	BY		

							FED. ROAD	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ter (as measured at 4/2 feet height) shall be protected. If I beyond survival condition as determined by the Engineer, the of the same specie and size and maintain for the duration no increase in contract price or contract time.							DIST. NO.	HAW.	I-H3-1(75), UNIT VII		21	21
t the outer drip line of the canopy of the tree. However, the 20 feet from the external surface of the tree's trunk. For 10 feet.							10' mi	n. pali	ทร			
d outside of the tree protection zone. If utilities must bored at a depth of 4 feet or greater within the tree		These	/				—Tree fence	protec	tion			
ted trees shall be listed on the demolition, landscape, grading Contractor shall contact Engineer immediately.		Tree trunk					— 20' min , dripline		~ee			
n plan or trees with a trunk diameter greater than 24 inches shall be 4 feet high orange plastic mesh or approved long. Protective fence shall surround tree at a minimum of 5 feet on center. Fence shall be installed and accepted by place until site work is completed. Signs shall be posted on ade change, storage or equipment permited within TPZ."					* * 	+ < / <	│ ──Nogra │compac │orcons ∠zone	tion	on			
trees to remain there must be:							20116					
ng fill, excavating or scraping except as noted on plans;						2						
naterials; nint; c; h attachment other than those of a protective nature to any	Tree dripline Orange rebar		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2N 2N (³ ") rebar	SA Ravente	Long So	or co	nstruc	compaction tion zone			
n attachment other than those of a protoctive nature to any		**************************************	}	}			<—0rang 	je con	struction fe	ence		
any tree or group of trees to be preserved				borod	Â		u 					
e for utility placement within the drip line of the tree. If line of the tree.			inneled or ility easeme									
		1) <u>Tr</u> Sca	<u>ree/Pa</u> ale: N.T.S.	<u>Im Pro</u>	tectior	<u>Zone</u>	(TPZ)) De	tail			
						STAN DUNC		DEPAR	STATE OF H IMENT OF TRA HIGHWAYS DI	ANSPORTA		
					*	LICENSED PROFESSIONAL LANDSCAPE ARCHITECT No. 5815 TAWAII, U.S.) =		NTING	<u> </u>		
					OR	ORK WAS PREPARED BY UNDER MY SUPERVISION	Scale:	AIP N Not To	<u>FINISH (U</u> 0. I-H3-1(75 Scale No.LD-050F	5), UNIT Date: N		8



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