

GENERAL NOTES:

MATERIALS:

ADMIXTURES: SEE SPECIAL PROVISIONS FOR ADMIXTURES IN CONCRETE

ELASTOMERIC BEARING PAD, STEEL BEARINGS,
WELDED WIRE FABRIC, SHALL BE INCIDENTAL TO
CONCRETE AND WILL NOT BE PAID FOR SEPARATELY.

TOP SURFACES OF DECK, RAMPS AND APPROACH RAMPS,
SHALL HAVE A ROUGH WEARING SURFACE PRODUCED BY
SPRINKLING 1/4" FT 2 OF #16 ABRASIVE AGGREGATE ON
FRESH CONCRETE AND FINISHING WITH A WOOD TROWEL.
THIS ITEM SHALL BE INCIDENTAL TO CONCRETE AND WILL
NOT BE PAID FOR SEPARATELY.

GENERAL: SEE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

FORMS: FORMS FOR ALL EXPOSED SURFACES OF STRUCTURE (EXCEPT PRESTRESS TEE) SHALL BE PLYWOOD. FORMS FOR PRE-STRESSED TEE SHALL BE MADE OF MATERIAL THAT RESULTS IN A SMOOTH FINISH & TRUE DIMENSIONS AS SHOWN ON PLANS.

BACKFILL: BACKFILL FOR STRUCTURES SHALL BE COMPACTED TO 90% OF MAX. DENSITY AT OPTIMUM MOISTURE CONTENT AS DETERMINED BY THE LATEST AASHTO METHOD T-99. BACKFILL SHALL BE PLACED IN LAYERS NOT MORE THAN 12"

GENERAL: ALL RAILINGS TO BE GALVANIZED AFTER FABRICATION, SEE SPECS. SPECIAL PROVISIONS FOR GALVANIZING, REPAIRING OF DAMAGED GALVANIZING & FINISHING OF WELDS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR PRESTRESSED TEES, STL BEARINGS & RAILINGS FOR APPROVAL BY THE ENGINEER BEFORE FABRICATION. REMOVAL & RECONSTRUCTION OF EXIST. FENCING, CONC. WALL, SIDEWALK, CURB, & ROADWAY PAVEMENTS SHALL BE INCIDENTAL TO STRUCTURAL EXCAVATION & WILL NOT BE PAID FOR SEPARATELY.

DESIGN DATA: LOADING: 85 P.S.F. LIVE LOAD.

ALLOWABLE STRESSES:

1. REINFORCED CONCRETE BEAMS, SLABS, COLUMNS & FOOTINGS
SEE AASHTO SPECIFICATIONS EXCEPT AS OTHERWISE NOTED.
SEE ALSO SPECIAL PROVISIONS:

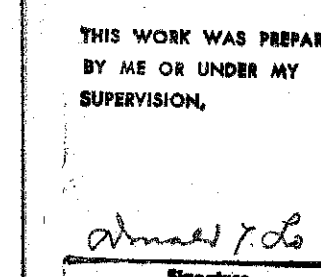
$f'_c = 3,000 \text{ PSI}$	} FTGS, SLAB TOPPING,	$f'_c = 5,000 \text{ PSI}$	} PEDESTALS, COLS,	
$f'_c = 1,200 \text{ PSI}$		$f'_c = 2,000 \text{ PSI}$		} POURED BEAMS, BRACKETS & SLABS
$n = 10$		$n = 6$		

$f'_s = 29,000 \text{ PSI}$ TENSION. (FTGS, BMS, STIRRUPS, & COL. TIES.)
 $f'_s = 24,000 \text{ PSI}$ TENSION. (VERT. COL. REINF.)
2. PRESTRESSED TEE.

$f'_c = 4,000 \text{ PSI}$	$\frac{1}{2}" \phi$ 7 WIRE STRAND = 270 K
$f'_c = 5,000 \text{ PSI}$	TENSIONING LOAD = 28,910 LBS. PER STRAND.

DESIGN LOAD = 23,550 LBS. PER STRAND.
FORMS MUST BE REMOVED & THE BEAMS INSPECTED BEFORE THE STRANDS ARE CUT.

CONCRETE	240 C.Y. (LUMP SUM)
REINFORCING STEEL	60,000 LBS. (LUMP SUM)
STRUCTURAL EXCAVATION	350 C.Y.
METAL HANDRAIL	1045 LIN. FT.
NEW 4'-0" CHAIN-LINK FENCE	20 LIN. FT.
PRESTRESSED TEES	755 LIN. FT.



FOUNDATION PLAN
VINEYARD BOULEYARD
PEDESTRIAN OVERPASS
VICINITY OF PUA LANE, OAHU
PROJECT NO. 98A-01-70

SHEET No. 1 OF 1 SHEETS