

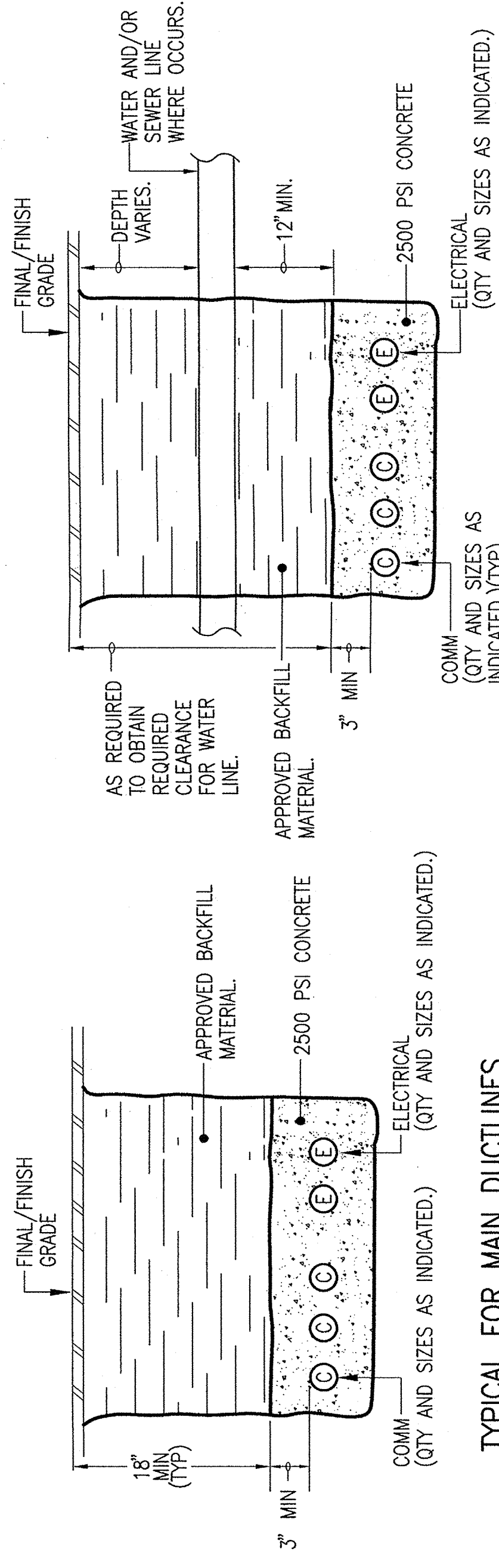
ALL ELECTRICAL WORK SHALL CONFORM TO  
CHAP. 9, HAWAII COUNTY CODE AND  
INSTALLATION AND MATERIALS SHALL BE  
IN ACCORDANCE WITH THE NATIONAL  
ELECTRICAL CODE

WALLACE T. OKI  
LICENSED PROFESSIONAL ENGINEER  
3539-E  
HAWAII  
THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION AND  
I AM A duly Licensed Professional Engineer  
I WILL BE UNDER MY OBSERVATION  
WALLACE T. OKI, P.E., INC.  
ELECTRICAL ENGINEERING  
P.O. BOX 4070/888 ANIULOU ST., 115  
HONOLULU, HI 96819-4070/888  
WFO REF. NO. 62008149

ELECTRICAL WORK

Drawn by:	Job Number:	2804.00
Checked by:	Scale:	AS NOTED
Plot Date:	Issue Date:	17 OCT 08
PERMIT ISSUE		

E-3



TYPICAL FOR MAIN DUCTLINES  
(QTY AND SIZES AS INDICATED.)

TYPICAL FOR MAIN DUCTLINES  
AT CROSSINGS WITH WATER/SEWER LINE

TYPICAL DUCTLINE AND TRENCHING DETAIL

NOT TO SCALE

1. ALL DUCTLINE AND TRENCHING DETAILS SHOWN ARE TYPICAL.
2. DUCTS SHALL BE PVC, SCH 40.
3. PROVIDE 3" MINIMUM SEPARATIONS BETWEEN ELECTRICAL AND COMM DUCTS AT ALL TIMES.
4. SEPARATION BETWEEN DUCTS OF SAME USE MAY BE 1-1/2" MINIMUM.
5. PROVIDE 3" MINIMUM THICK CONCRETE COVERING ALL AROUND DUCTS AT ALL TIMES.
6. DUCTS SHALL ENTER HANDHOLES/MANHOLES AT 90 DEGREES TO SIDES AND SHALL TERMINATE IN STANDARD ENDBELLS.

COORDINATION WITH WATER AND SEWER LINES

ALL ELECTRIC AND COMM DUCTLINES SHALL BE ROUTED BELOW OR UNDERNEATH ALL WATER LINES AT ALL TIMES AND FOR SEWER LINES IF MINIMUM BURIED DEPTH ABOVE CONCRETE IS NOT BE ACHIEVED. PROVIDE 18" MINIMUM VERTICAL CLEARANCE BETWEEN WATER AND SEWER LINES AND UTILITY DUCTLINES SHALL BE 12 INCHES IF ENCASED IN CONCRETE JACKETS AND 18 INCHES IF NOT CONCRETE ENCASED.

