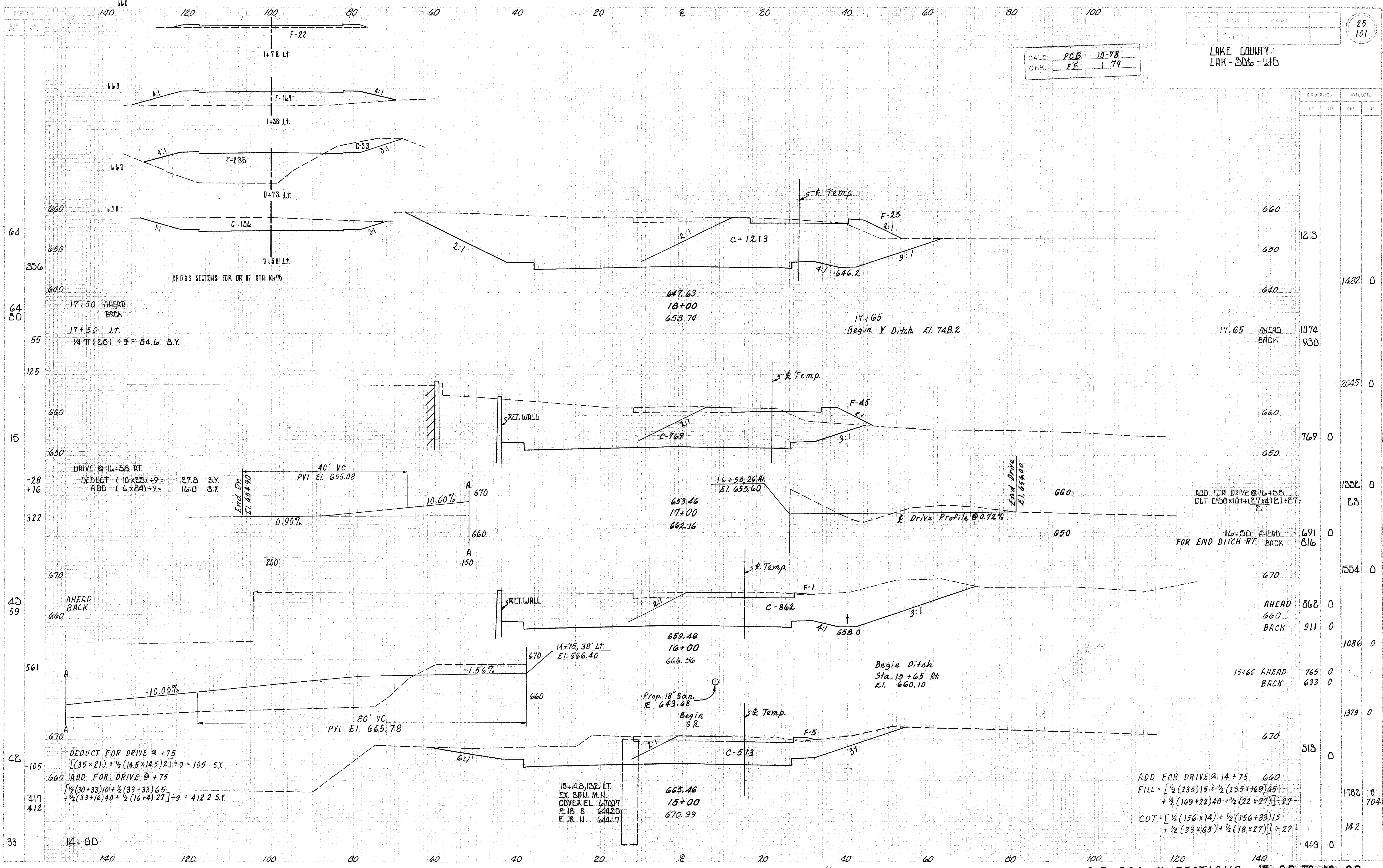


CALC: PCB 10-78  
CHK: FF 1 79

LAKE COUNTY  
LAK-306-615



CROSS SECTIONS FOR DR AT STA 14+75

17+50 AHEAD BACK  
17+50 LT.  
 $\frac{1}{4} \pi (25)^2 + 9 = 54.6$  S.Y.

DRIVE @ 16+58 RT.  
DEDUCT  $(10 \times 25) + 9 = 27.8$  S.Y.  
ADD  $(6 \times 24) + 9 = 16.0$  S.Y.

AHEAD BACK  
660

DEDUCT FOR DRIVE @ +75  
 $[(35 \times 21) + \frac{1}{2}(14.5 \times 14.5)2] \div 9 = 105$  S.Y.  
660 ADD FOR DRIVE @ +75  
 $[\frac{1}{2}(30+33)10 + \frac{1}{2}(33+33)65 + \frac{1}{2}(33+16)40 + \frac{1}{2}(16+4)27] \div 9 = 412.2$  S.Y.

15+48, 132 LT.  
EX. SAN. M.H.  
COVER EL. 67007  
E. 18 S 6442.0  
E. 18 N 6441.7

ADD FOR DRIVE @ 16+58  
CUT  $(150 \times 10) + (27 \times 4)2 + 27 = 27$

16+50 AHEAD BACK  
FOR END DITCH RT. BACK

ADD FOR DRIVE @ 14+75  
FILL =  $[\frac{1}{2}(235)15 + \frac{1}{2}(235+169)65 + \frac{1}{2}(169+22)40 + \frac{1}{2}(22 \times 27)] \div 27 = 27$   
CUT =  $[\frac{1}{2}(156 \times 14) + \frac{1}{2}(156+33)15 + \frac{1}{2}(33 \times 65) + \frac{1}{2}(18 \times 27)] \div 27 = 27$

STA	END AREA		VOLUME	
	SET	ENL	CUT	FILL
64			1213	
356			640	1482
64	55	17+65 AHEAD BACK	1074	930
125			660	2045
15			650	769
-28	16		660	1352
322			650	23
45	59	AHEAD BACK	670	1554
			660	862
			660	911
561			670	1086
			660	15+65 AHEAD BACK
			670	765
			660	633
42			670	1379
			660	513
-105			660	1782
417			660	704
412			660	142
33			660	449