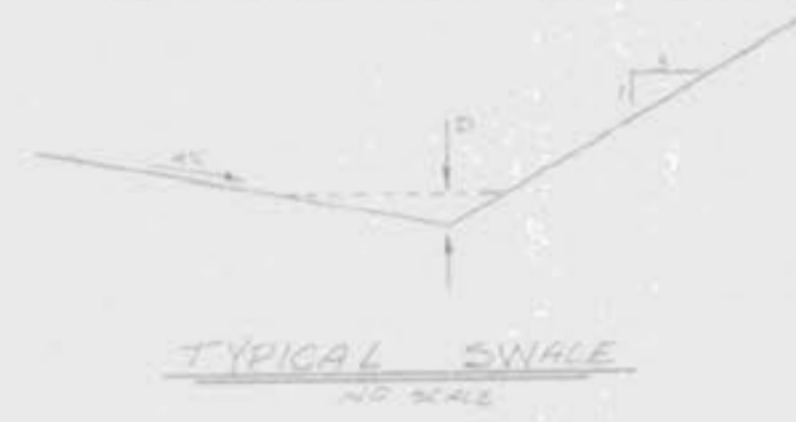
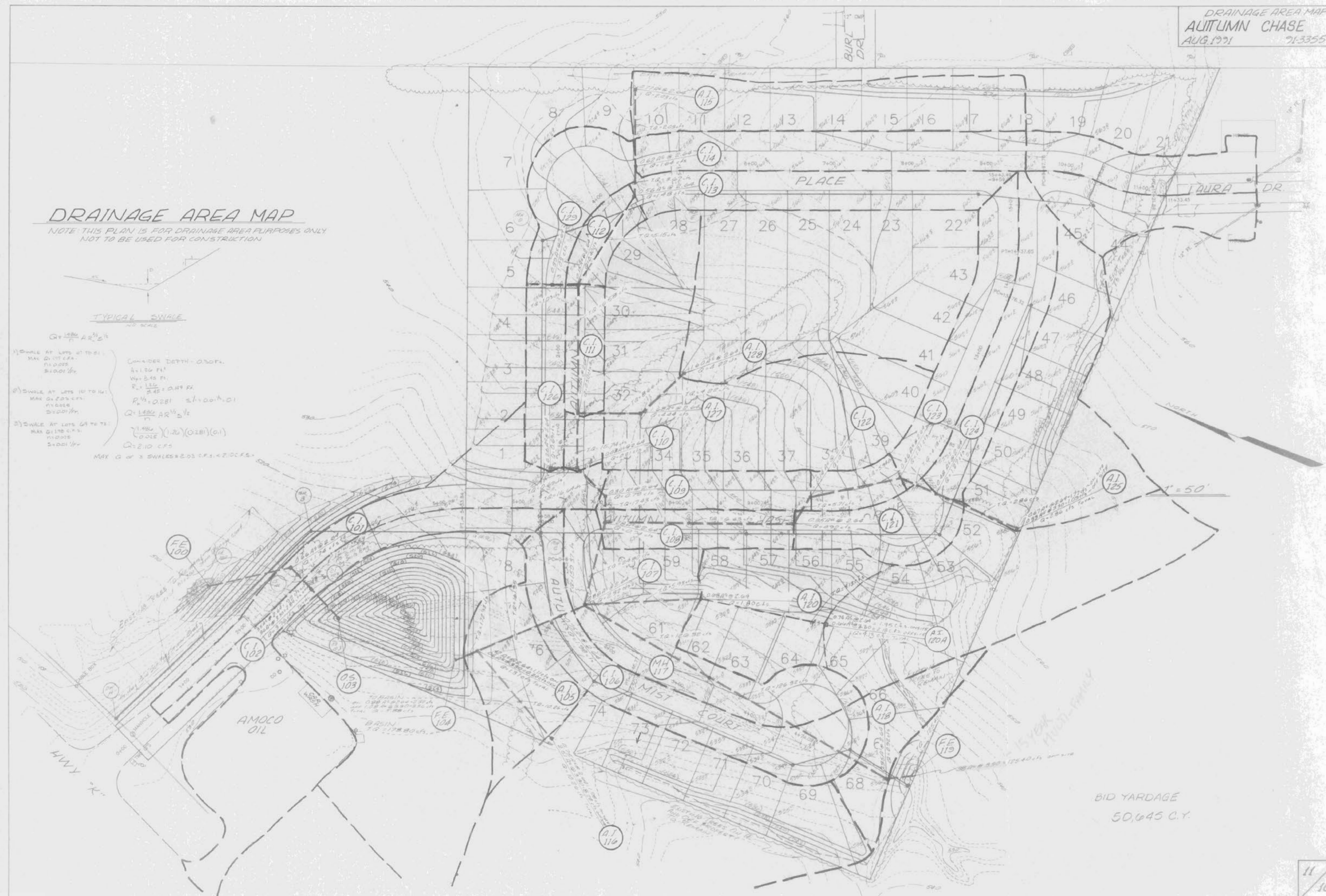


DRAINAGE AREA MAP

NOTE THIS PLAN IS FOR DRAINAGE AREA PURPOSES ONLY
 NOT TO BE USED FOR CONSTRUCTION



$Q = 1.486 AR^{2/3} S^{1/2}$
 1) SWALE AT LOTS 10 TO 21:
 MAX Q: 2.03 CFS
 HYDRA: 2.00' / ft
 2) SWALE AT LOTS 10 TO 14:
 MAX Q: 2.03 CFS
 HYDRA: 2.00' / ft
 3) SWALE AT LOTS 69 TO 71:
 MAX Q: 1.78 CFS
 HYDRA: 2.00' / ft
 MAY Q OF 3 SWALES = 2.03 CFS < 2.10 CFS
 CONSIDER DEPTH - 0.30 FT.
 $A = 1.26 \text{ FT}^2$
 $W = 2.45 \text{ FT}$
 $R = 1.11$
 $R^{2/3} = 0.881$ $S = 0.011$
 $Q = 1.486 AR^{2/3} S^{1/2}$
 $Q = 0.011 (1.26)(0.881)(0.1)$
 $Q = 2.10 \text{ CFS}$



BID YARDAGE
 50,645 C.Y.