The relationship between Logit and $Z = W^T X + b$

Goal of Logistic regression is predicting probability of case as to variable x.

So if we say logit(p) has linear relationship with prediction model $W^T X + b$, which is logit(p) = $b + W_1 X_1 + \cdots + W_i X_i$,

we can convert logit(p) to inverse function, which is Sigmoid function, to get probability.