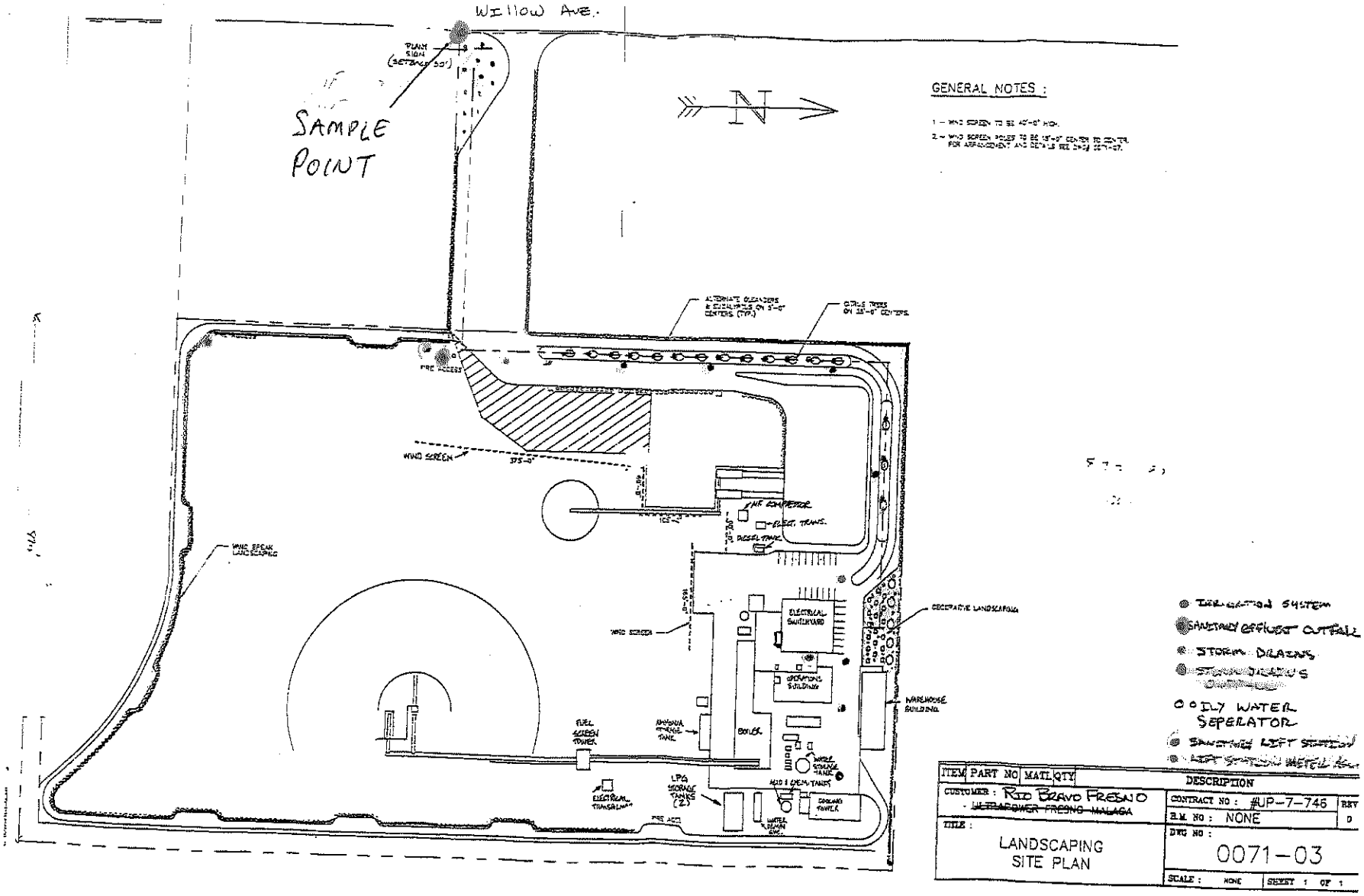RIO BRAVO SAMPLE POINT