# Landscape and Stormwater Management
# Maintenance Guide
# True Storage  Self Storage Units

## 1.0 INTRODUCTION

This Guide provides a general description of the function and maintenance requirements for the Landscape and Stormwater Management Improvements for the True Storage Self Storage facilities located at 170 Clay Pond Cove.

The maintenance provider is required to familiarize themselves with this Guide and inspect and maintain the following practices (**Figure 1**) as outlined in this maintenance guide throughout the year.

Enhanced Tree Trench -

- Runoff from the parking lot is collected in the existing catch basin and directed to a diversion manhole structure, which is designed to divert runoff to the enhanced tree trench.  A weir wall is set a specific elevation to divert runoff from small storms and allow larger storms to overflow into the existing drainage system. The diverted water is discharged to a perforated pipe embedded in gravel storage bed located beneath the trees.  The stormwater infiltrates or filters through the gravel/soil matrix to remove phosphorus and reduce stormwater runoff prior to discharge to the storm drain system.

Infiltration Basins

- The existing stormwater management system includes catch basins with deep sumps connected to a closed pipe and drain manhole network discharging to three infiltration basins of various sizes located in the southeast, southwest and northwest corners of the property.  When the water level of the infiltration basin rises, overflow is discharged into the existing recharge basins to increase the storage and infiltration capacity.  The recharge basins also allow for drawdown during the winter months when the ground surface may be frozen.
- The project area will continue to drain entirely to the infiltration basin in the northwest corner.