

+ Existing Conditions Discharge From Entire Site (A = 6.705 acres Lot 1, Block 1). C = 0.35 and Tc = 20 min. I100= 8.3 in/hr Q100= (6.705)(0.35)(8.3) = 19.48 cfs...

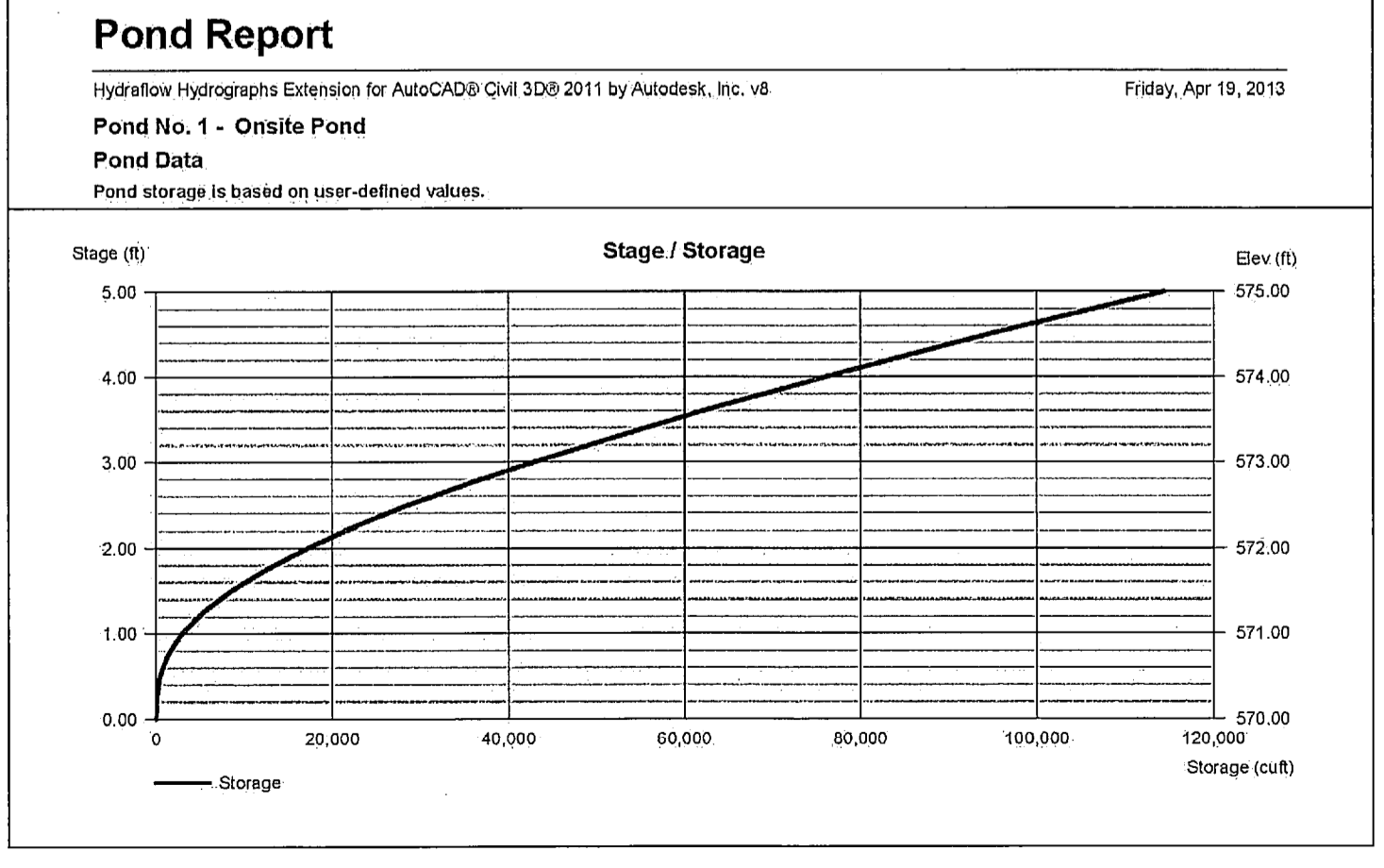
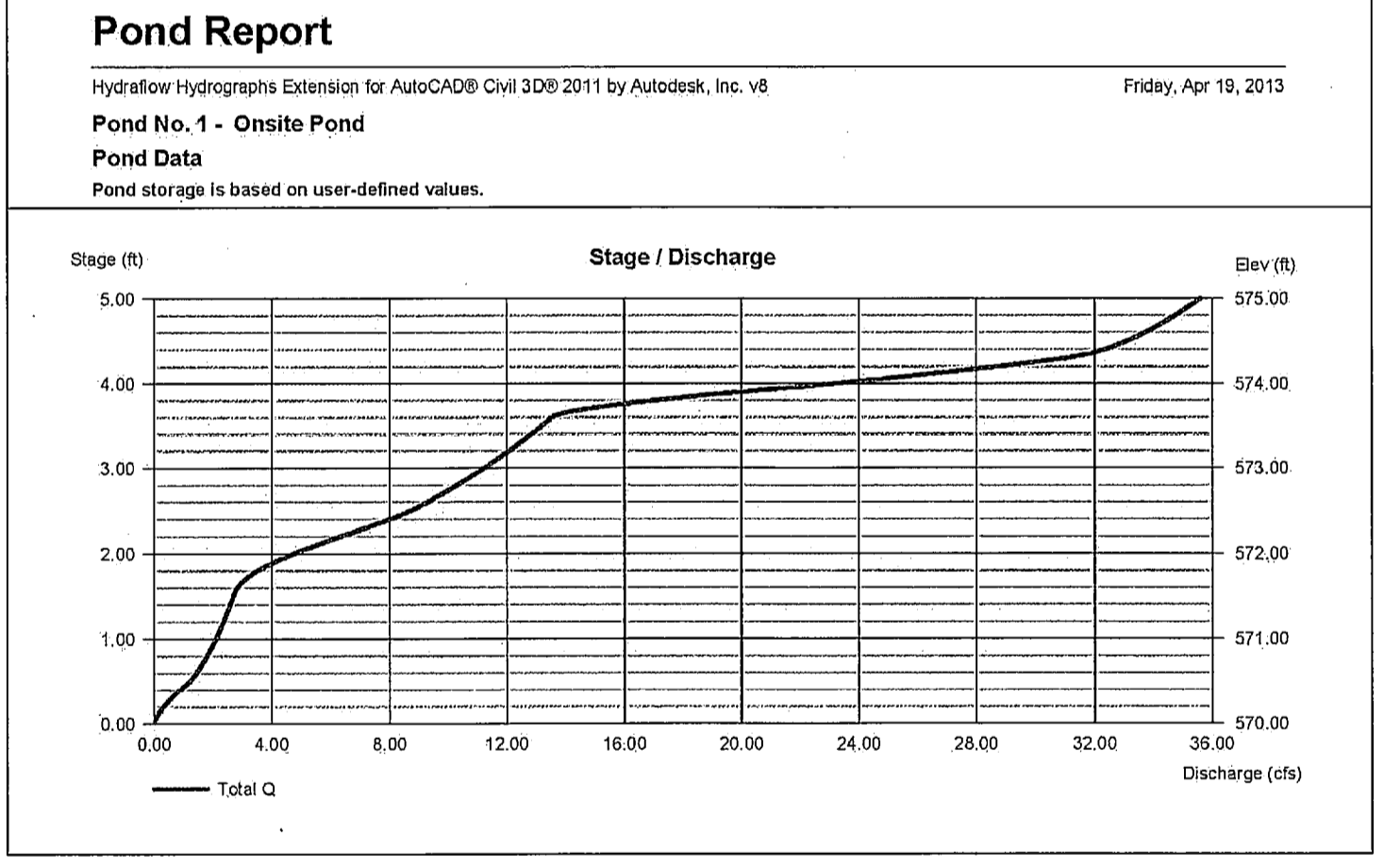
Calculate required storage volume for the 10-Year event utilizing the modified rational method. Adjusted Allowable Discharge, Proposed Condition On-Site. Storm Duration, Inflow Volume, Outflow Volume.

Calculate required storage volume for the 100-Year event utilizing the modified rational method. Adjusted Allowable Discharge, Proposed Condition (Commercial) On-Site. Storm Duration, Inflow Volume, Outflow Volume, Required Storage.

Calculate required storage volume for the 5-Year event utilizing the modified rational method. Adjusted Allowable Discharge, Proposed Condition On-Site. Storm Duration, Inflow Volume, Outflow Volume.

Calculate required storage volume for the 25-Year event utilizing the modified rational method. Adjusted Allowable Discharge, Proposed Condition On-Site. Storm Duration, Inflow Volume, Outflow Volume, Required Storage.

Pond Report. Hydraflo Hydrographs Extension for AutoCAD. Pond No. 1 - Onsite Pond. Stage / Storage Table, Culvert / Orifice Structures, Weir Structures, Stage / Storage / Discharge Table.

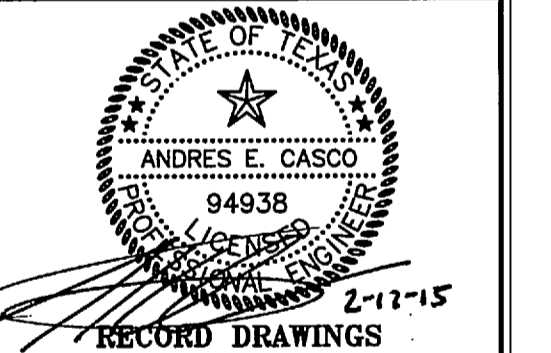
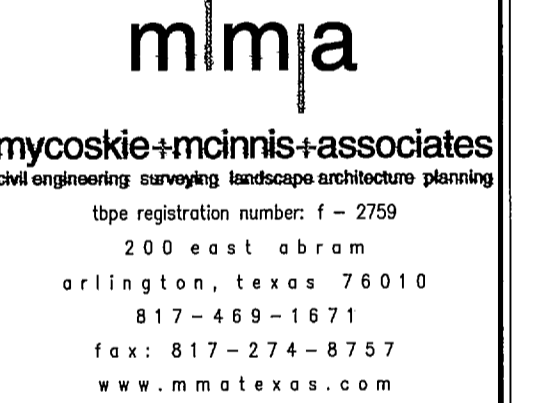


Pond Summary table with columns: 5-Year Event, 10-Year Event, 25-Year Event, 100-Year Event. Rows include Max Allow Drainage, Actual Discharge, Water Surface Elevation, Freeboard, Required Storage Volume, Provided Storage Volume.

RESPONSIBILITY NOTE: ALL RESPONSIBILITY FOR ADEQUACY DESIGN REMAINS WITH THE DESIGN ENGINEER... GENERAL UTILITY NOTES: ALL EXISTING UTILITY DATA IS PROVIDED FOR INFORMATION ONLY...

OAC SENIOR LIVING, LLC. ROCKWALL BY-PASS ADDITION DETENTION POND CALCULATIONS ROCKWALL, TEXAS

PROJECT TITLE: OAC SENIOR LIVING, LLC. ROCKWALL BY-PASS ADDN.



RECORD DRAWINGS. PROJECT NUMBER: 2651-00-01. PROJECT MANAGER: J. SUMPTER. DRAWN BY: A.MCGINLEY. CHECKED BY: A. CASCO. ISSUE DATE: 04/30/2013

TO THE BEST OF OUR KNOWLEDGE MYCOSKIE MCINNIS ASSOCIATES, INC. HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS IS BASED ON SURVEY DATA, VISUAL POST-CONSTRUCTION FIELD OBSERVATIONS AND INFORMATION PROVIDED BY THE CONTRACTOR.

02.12.15 RECORD DRAWINGS AEC

REV. DATE DESCRIP. BY

SHEET CONTENT: DETENTION POND CALCULATIONS