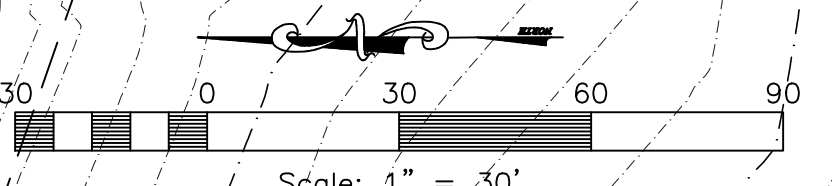




DETENTION BASIN CALCULATIONS  
 HIGH WATER AREA = 6651 S.F.  
 BOTTOM AREA = 2336 S.F.  
 MAX. DEPTH = 4.60'  
 $[(6651 + 2336)/2] = 4494$  S.F. AVG.  
 $4494$  S.F. x  $4.60'$  DEEP =  $20,670$  C.F.  
 $20,670$  C.F. >  $20,288$  C.F. (REQ'D) = OK

TO RESERVOIR  
 OIL/WATER SEPARATOR  
 'CONPRO' BOX W/ SLUICE GATE  
 PHASE-1 ORIFICE TO BE 7.2"

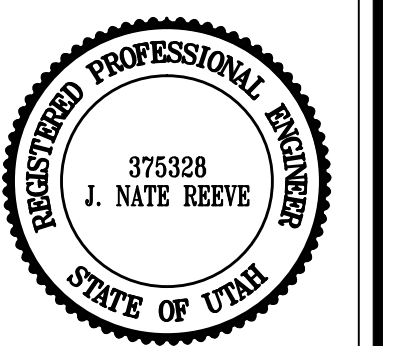
**NOTE:**  
 IF LAND DRAIN REQUIRED BY GEOTECH STUDY,  
 IT WILL BE ADDED.



**Reeve & Associates, Inc.**  
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 TRAFFIC ENGINEERS • STRUCTURAL ENGINEERS • LANDSCAPE ARCHITECTS

REVISIONS	DATE	DESCRIPTION
7-20-12	RH	Utility Changes
7-31-12	RH	Design Complete

**Edgewater Beach Resort  
 Phase-1  
 WEBER COUNTY, UTAH  
 Grading Plan**



**Project Info.**  
 Engineer: J. NATE REEVE, P.E.  
 Drafter: R. HANSEN  
 Begin Date: JULY 09, 2012  
 Name: EDGEWATER ESTATES PHASE-1  
 Number: 5917-15