Livermore Hindu Community Center
Base case water calcs

Estimated Applied Water Use (EWU) gallons Per year

EWU =(HA x (ETo x K_L/ IE)) x 0.6233

EWU =Estimated Applied Water Use (EWU) (gallons per year)
ETO =Reference Evapotranspiration (inches per year/month)
K_L =Landscape Coefficient
IE =Irrigation System Efficiency in decimal form
HA =Hydrozone area (square feet)
0.6233 =conversion factor (to gallons per square foot)

Medium water use groundcover and shrubs

EWU: = 75,158 x (47.2 x 1.3 / .625) x 0.6233

= 2,299,576 Gallons per year

Total EWU = 2,299,578 gallons per year

Livermore Hindu Community Center
Design case water calcs

Estimated Applied Water Use (EWU) gallons Per year

EWU =(HA x (ETo x K / IE)) x 0.6233

EWU = Estimated Applied Water Use (EWU) (gallons per year)
ETO =Reference Evapotranspiration (inches per year/month)
K =Landscape Coefficient
IE =Irrigation System Efficiency in decimal form
HA =Hydrozone area (square feet)
0.6233 =conversion factor (to gallons per square foot)

Low water use groundcover & shrubs w/ drip irrigation

EWU: = 46,442 x (47.2 x .20 / .90) x 0.6233

= 303,625 Gallons per year

Low water use groundcover & shrubs w/ spray irrigation

EWU: = 28,716 x (47.2 x .50 / .70) x 0.6233

= 28,716 Gallons per year

Total EWU = 953,485 gallons per year

GATES & ASSOCIATES
LANDSCAPE ARCHITECTURE
LAND PLANNING URBAN DESIGN

2671 CROW CANYON RD, SAN RAMON, CA. 94583
TEL: 925.736.8176 FAX: 925.838.8901
WWW.DGATES.COM

HINDU COMMUNITY AND CULTURAL CENTER

LIVERMORE, CA

REVISION:	DESCRIPTION:	DATE:

REGISTERED LANDSCAPE ARCHITECT
DAVID GATES · No. 1290
Signature
Date
LA
STATE OF CALIFORNIA

PROJECT NAME:	HCCC
PROJECT NUMBER:	P3876
PROJECT FILE:	
DRAWN:	AC
CHECK:	DG, JC
DATE:	08/14/2009

SCALE: NTS

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WATER SCHEDULES

L2.5

PROJECT NORTH OF SHEETS