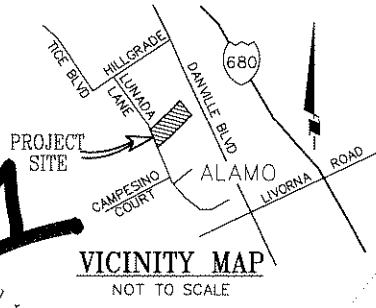
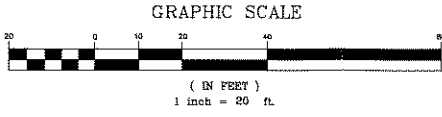
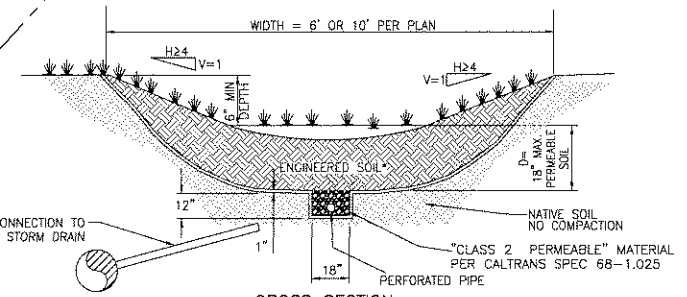


TREE LOCATION MAP

STORMWATER CONTROL PLAN
"2450 LUNADA LANE"
ALAMO, CONTRA COSTA COUNTY, CALIFORNIA
SUBDIVISION MS 07-0024

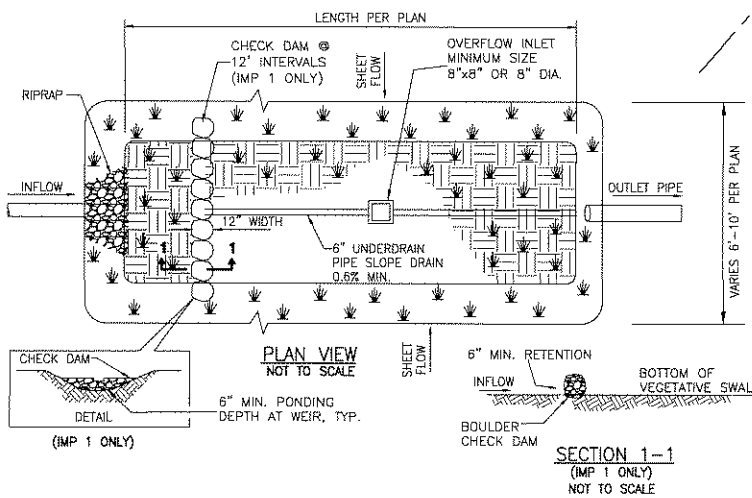


- SWCP NOTES:
1. ALL DMA'S DRAIN TO TREATMENT FACILITIES (THERE ARE NO SELF TREATING OR SELF-RETAINING DMA'S)
 2. THE REMAINDER PARCEL IS EXISTING/PREVIOUSLY DEVELOPED AND IMP 2 IS TREATMENT ONLY (NO FLOW CONTROL)
 3. PARCEL 'A' QUALIFIES FOR TREATMENT ONLY DESIGN. AS A CONDITION OF APPROVAL THE APPLICANT WILL MEET THE "COLLECT AND CONVEY" REQUIREMENT OF ORDINANCE 914-2 OF THE COUNTY CODE. FOR THE PURPOSE OF TENTATIVE MAP APPROVAL, THE CURRENT DESIGN FOR PARCEL 'A' IS HMP (FLOW CONTROL PLUS TREATMENT). DEPENDING ON THE RESULTS OF THE ANALYSIS OF THE "COLLECT AND CONVEY" REQUIREMENT DURING CONSTRUCTION PLAN APPROVAL, THE APPLICANT RESERVES THE OPTION OF CHANGING THE C.3 DESIGN FOR PARCEL 'A' TO TREATMENT ONLY.



- NOTES:
1. SWALE SHALL BE GRADED TO DRAIN TOWARD OUTLET AT A MINIMUM SLOPE 0.2%
 2. ALL PERFORATED PIPE SHALL HAVE A MINIMUM OF THREE 3/4" DIA. HOLES EVENLY SPACED ALONG THE CIRCUMFERENCE OF THE PIPE AND NOT LESS THAN THREE HOLES PER LINEAL FOOT OF PIPE.
 3. DETERMINE DIMENSIONS FROM (LxWxD) Voids Ratio= INFILTRATION DESIGN VOLUME.
 4. PLANTING MAY INCLUDE TREES, MINIMUM INFILTRATION RATE 5"/HR.
- *FOR THE SOIL/FILTER/PLANTING MATERIAL IN FLOW-THROUGH PLANTERS, IN GROUND (INFILTRATION) PLANTERS, BIOTRETENTION AREAS, AND VEGETATED OR GRASSY "DRY" SWALES, USE A UNIFORM MIX OF SAND AND ORGANIC MATERIAL SUCH AS COMPOST. OMIT "TOPSOIL" OR OTHER SOIL THAT INCLUDES SILTS OR CLAYS. FOR THE MOST RECENT RECOMMENDATIONS FOR PLANTING MATERIAL - INCLUDING MIX PROPORTIONS, SPECIFICATIONS, AND SOURCES - THE CONTRACTOR SHALL CONTACT PUBLIC WORKS/WATERSHED MANAGEMENT OR WWW.CCCLEANWATER.ORG

DRAINAGE MANAGEMENT AREAS DRAINING TO IMP'S										NOT TO SCALE				RUNOFF FACTOR	
NAME	TYPE	SOIL GROUP	RAIN ADJ. FACTOR	SIZING FACTOR	DIM 1 (FT)	DIM 1 (FT)	MIN. SIZE (LF & SF)	PLANNED SIZE (LF & SF)	MAX UNDERDRAIN FLOW (CFS)	NAME	SURFACE TYPE	AREA (S.F.)	/SIZING FACTOR	MIN. IMP SIZE (LF & SF)	
IMP 1	VEGETATED SWALE (FLOW CONTROL)	D	0.88	350	2.0	1.0	148 LF 1,480 SF	148 LF 1,480 SF	0.1257	DMA 1	ROOFS	10,664	1.0	76 LF, 760 SF	
										DMA 2	CONVENTIONAL CONCRETE OR ASPHALT PAVING	4,852	1.0	35 LF, 350 SF	
										DMA 6	LANDSCAPING	7,387	0.7	37 LF, 370 SF	
IMP 2	VEGETATED SWALE (TREATMENT ONLY)	D	N/A	N/A	2.0	0.5	57 LF 342 SF	59 LF 354 SF	N/A	DMA 3	ROOFS	3,837	1.0	26 LF, 156 SF	
										DMA 4	CONVENTIONAL CONCRETE OR ASPHALT PAVING	2,945	1.0	20 LF, 120 SF	
										DMA 5	LANDSCAPING	15,714	0.1	11 LF, 66 SF	



DATE: 03/26/08
SCALE: 1" = 20'
DESIGNED BY: RAM
DRAWN BY: NGS
CHECKED BY: NGS

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS G. SPEDOS
NO. 68460
EXP. 09-30-09
CIVIL
STATE OF CALIFORNIA

No.	DATE	APVD	REVISION

TERRA FIRMA
ENGINEERING-SURVEYING-LAND PLANNING
GOLF COURSE DESIGN
3815 HUMMINGBIRD DRIVE ANTIOCH, CA. 94509
PH: 925-777-9222 FAX: 753-4001

APN 188-321-007
CONTRA COSTA COUNTY

EXHIBIT 'A'
STORM WATER CONTROL PLAN
2450 LUNADA LANE
ALAMO

MS 07-0024
CALIFORNIA

SHEET
1
OF 1 SHEETS
PROJECT NO.
0724
FILE NO.