



PROVIDE SILT FENCE AROUND WORK AREA TO CONTAIN SEDIMENT AND RUNOFF. SILT FENCE TO REMAIN DURING CONSTRUCTION.

PROVIDE POSITIVE DRAINAGE FLOW AWAY FROM POOL AND DECK WHERE POSSIBLE.

NOTE: SWALE ALIGNMENT MAY VARY TO AVOID EXISTING HARDSCAPE/LANDSCAPE IMPROVEMENTS.

CONTRACTOR SHALL CONTAIN ALL STORMWATER ON SITE. NO DISCHARGE TO NEIGHBORING PROPERTY. PROVIDE STABILIZED SIDE YARD BERM AS NECESSARY

**WATER QUALITY VOLUME CALCULATIONS PER CITY OF BONITA SPRINGS LDC 4-2224(d)**

WATER QUALITY VOLUME PROVIDED:  
 VOLUME OF SWALE = 1/2 b x h x l = 1/2 x (.2)(1)(85) x 2 = 17 CF  
 VOLUME OF FRENCH DRAIN = 5 LF 8" PVC PIPE/STONE+40% VOIDS = 3.2 CF  
 TOTAL RETENTION REQUIRED = 0 CF  
 TOTAL RETENTION PROVIDED = 17 + 3.2 = 20.2 CF

- NOTES:**
1. THERE ARE NO OFF SITE FEATURES PRESENT THAT WILL IMPACT THE DESIGN, BESIDES THE ONES DRAWN ON THE SITE PLAN.
  2. THERE IS NO SIGNIFICANT SLOPE TO PROPERTY.
  3. VERIFY STRUCTURE MEETS MINIMUM REQUIRED FLOOD ELEVATION AS WELL AS ALL APPLICATION ZONING AND ARCHITECTURAL CRITERIA PRIOR TO COMMENCEMENT OF CONSTRUCTION.
  4. NO STORMWATER RUNOFF SHALL BE DISCHARGED TO NEIGHBORING PROPERTY.
  5. SURVEY PROVIDED BY BENCHMARK LAND SERVICES, INC.
  6. DIRECT STORM WATER AWAY FROM HOME AND PROPOSED POOL/DECK VIA SHEET FLOW.
  7. VERIFY STRUCTURE MEETS MINIMUM REQUIRED FLOOD ELEVATION AS WELL AS ALL APPLICATION ZONING AND ARCHITECTURAL CRITERIA PRIOR TO COMMENCEMENT OF CONSTRUCTION.
  8. MATCH EXISTING GRADES AT PROPERTY LINES.
  9. ALL ELEVATIONS REFERENCE NAVD.
  10. ALL BERMS AND SITE GRADING SHALL NOT EXCEED 5:1 SLOPE.

- LEGEND**
- DRAINAGE FLOW
  - X.XX EXISTING GRADE
  - (X.X) PROPOSED GRADE
  - IRON STORMWATER GRATE (8" TYP)
  - CATCH BASIN
  - FRENCH DRAIN
  - XXXXXXX STAB. BERM

DESIGN	BAF	5			
DRAWN	BAF	3			
CHECKED	BAF	2			
D.C.		1	5/8/2020	REVISED PER BONITA SPRINGS STAFF	BAF
NO.			DATE	REVISION	APPD BY

NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

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DATE	
SCALE	1" = 10'
DATE	4/2020
SHEET	CV-1 of 1

PROFESSIONAL SEAL  
 BLAIR A. FOLEY, P.E.  
 CIVIL ENGINEER  
 STATE OF FLORIDA  
 NO. 12345  
 EXPIRES 12/31/2024