

TREE AND LANDSCAPE BOULDER RELOCATIONS TO BE LOCATED OUTSIDE OF 100-YEAR FLOOD PLAIN LIMITS AS ESTABLISHED BY APPROVED TECHNICAL DRAINAGE STUDY DS-4595A, EXHIBIT F. RELOCATION TO BE WITHIN SAME CHANNEL AS CURRENTLY EXISTS. SPECIFIC LOCATION OF RELOCATION AS DETERMINED BY LANDSCAPE ARCHITECT.

- CONSTRUCTION NOTES**
1. CONSTRUCT CONCRETE SIDEWALK (USDOCA STD. DWG. NO. 234)
 2. INSTALL SIDEWALK DRAIN (USDOCA STD. DWG. NO. 236)
 3. CONSTRUCT BOULDER RETAINING WALL (DESIGN BY OTHERS)
 4. CONSTRUCT CONCRETE 4" CONCRETE STAGE OVER 5" TYPE II AGGREGATE BASE
 5. CONSTRUCT GROUTED RIPRAP LOW FLOW CHANNEL. SEE DETAILS SHEET GR-8.
 6. INSTALL 10' L X 10' W/RIPRAP PAD WITH FILTER FABRIC. D50 = 12", TH = 24"

- GENERAL NOTES**
1. ANY TREES REMOVED MUST BE REPLACED WITH SIMILAR SPECIES/MATURITY AT AN ALTERNATIVE LOCATION WITHIN THE CHANNEL AS DETERMINED BY THE LANDSCAPE ARCHITECT.
 2. LANDSCAPE BOULDERS TO BE RELOCATED TO LOCATION AS DETERMINED BY THE LANDSCAPE ARCHITECT.
 3. REVEGETATE GRADED/DISTURBED AREAS TO MATCH EXISTING GRASS SPECIES OR EQUIVALENT AS APPROVED BY THE LANDSCAPE ARCHITECT.

APPROVED FOR CONSTRUCTION

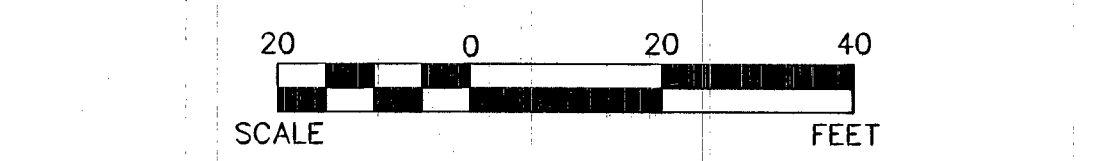
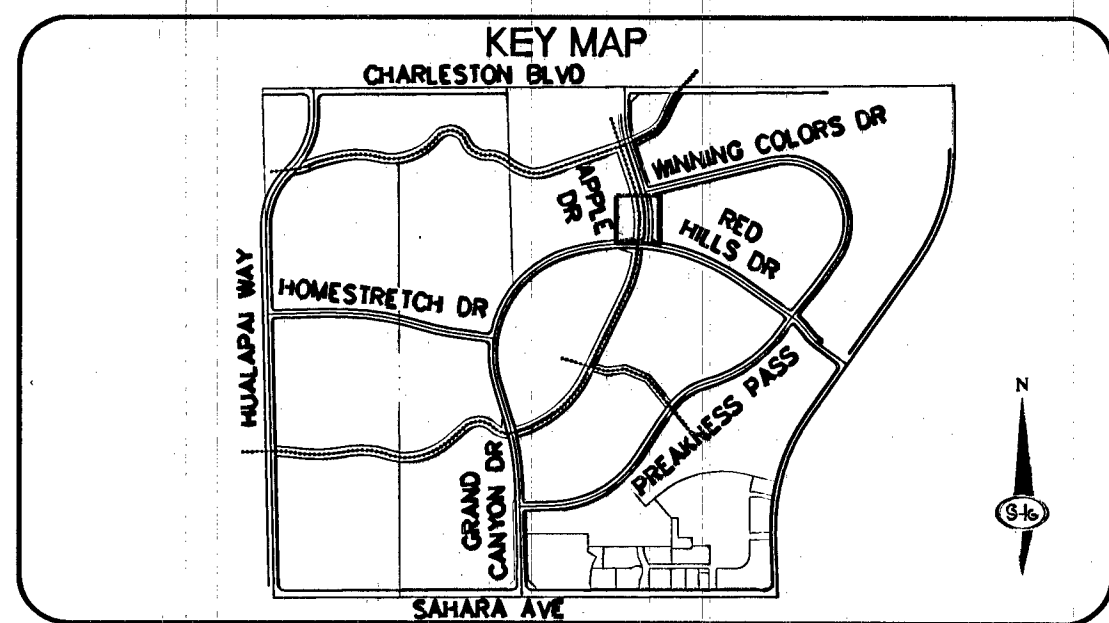
Disuar B. Jr.
 LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
 PROJECT NO.: 123135 DATE: 10/27/14

- LEGEND**
- LOOSE RIPRAP
 - GROUTED RIPRAP LOW FLOW CHANNEL
 - CONCRETE SIDEWALK
 - BOULDER RETAINING WALL
 - PYRAMAT TURF REINFORCEMENT MATTING

FLOOD ZONE:
 THIS SITE LIES WITHIN AN UNSHADED ZONE "X" DETERMINED TO BE OUTSIDE OF THE 500 YEAR FLOODPLAIN AS DEPICTED ON FIRM MAP PANELS 32003C2145F, REVISED NOVEMBER 16, 2011 AND 32003C2150E, REVISED SEPTEMBER 27, 2002.

I CERTIFY THAT THIS PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY DS-4595A ON FILE AT THE CITY OF LAS VEGAS.

Mark J. Failla
 MARK J. FAILLA, P.E. 14566 10/3/14 DATE



FAST
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 Avoid hitting underground utility lines. It's easy.
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SLATER HANIFAN GROUP
 CONSULTING ENGINEERS & PLANNERS
 5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
 PHONE (702) 284-5300 FAX (702) 284-5309

NO.	DESCRIPTION	DATE	BY	APP. DATE

LAS VEGAS, NV

SECTION 52 TOWNSHIP 21S RANGE 06E

PECCOLE RANCH COMMUNITY ASSOCIATION

DRAINAGE REHABILITATION PROJECT - PHASE 2

GRADING PLAN

DATE: OCT. 2014
 DRAFTER: JAS
 DESIGNER: JSR
 CHECKED: M.J.F.
 PROJECT NO.: PRA1301-000

MARK J. FAILLA
 Exp. 06/30/2015
 CIVIL ENGINEER
 No. 14566

GR-1
 SHEET 4 OF 6
 731-91-2