

[illegible]

DESIGN: _____
DRAWN: _____
CHECK: _____
PLOT DATE: 05-30-19

F: \PROJECTS\800\840-050-005\DWG\PRODUCTION\050-005CC1_CVR.DWG

PROJECT DATA SHEET

2 OF 4 SHTS

L19-00025 650.81

BASE SURVEY (EXISTING)

AERIAL TOPOGRAPHY COLLECTED JULY 2007 BY: GCW, INC. AERIAL PHOTOS AND PHOTOGRAMMETRY BY AERO TECH MAPPING, INC.

BASIS OF BEARING: S.89°41'18"W, BEING THE BEARING OF THE S LINE OF THE SW QUARTER (SW¼) OF SEC. 31, T 20 S, R. 60 E, M.D.M., AS SHOWN IN BOOK 77, PAGE 23 OF PLATS ON FILE AT COUNTY, NEVADA RECORDER'S OFFICE.

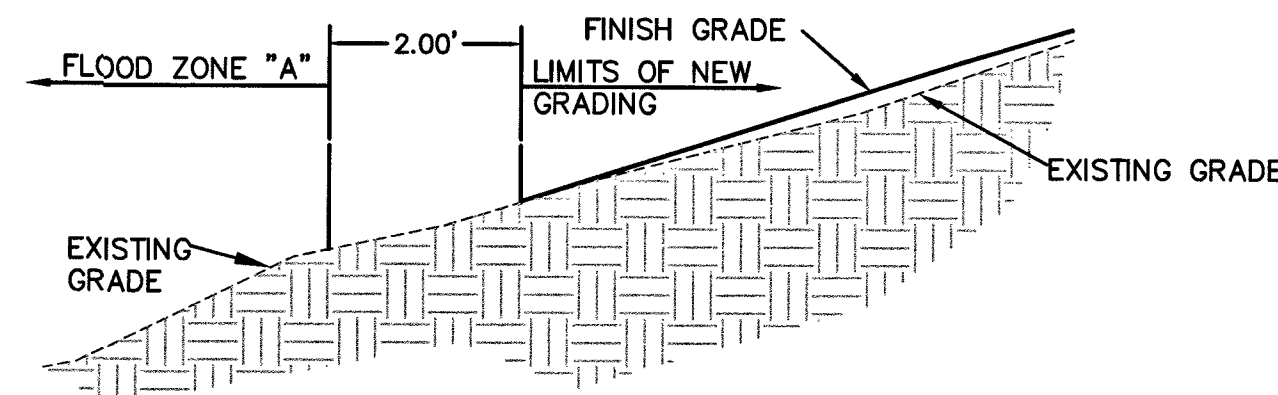
BENCHMARK: CLV 9LV10 6NWS - RIVET & PLATE IN TOP OF CURB AT SW CORNER OF CHARLESTON & HUALAPAI IN PORK CHOP ISLAND ELEVATION: 2,914.54 FT. / 888.355 M (NAVD 88)

VERIFICATION SURVEY (PROPOSED)

GROUND SHOTS COLLECTED ON SEPTEMBER 29, 2018 BY GCW, INC.

BASIS OF BEARING: S.89°41'18"W, BEING THE BEARING OF THE S LINE OF THE SW QUARTER (SW¼) OF SEC. 31, T 20 S, R. 60 E, M.D.M., AS SHOWN IN BOOK 77, PAGE 23 OF PLATS ON FILE AT COUNTY, NEVADA RECORDER'S OFFICE.

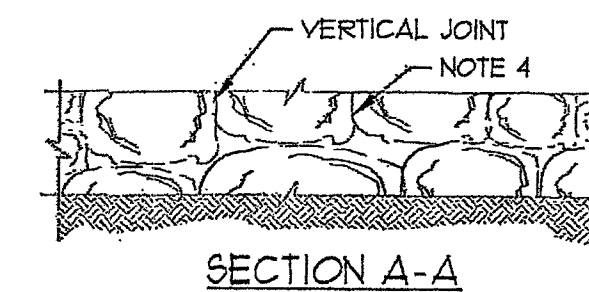
BENCHMARK: CLV 9LV10 6NWS - RIVET & PLATE IN TOP OF CURB AT SW CORNER OF CHARLESTON & HUALAPAI IN PORK CHOP ISLAND ELEVATION: 2,914.54 FT. / 888.355 M (NAVD 88)



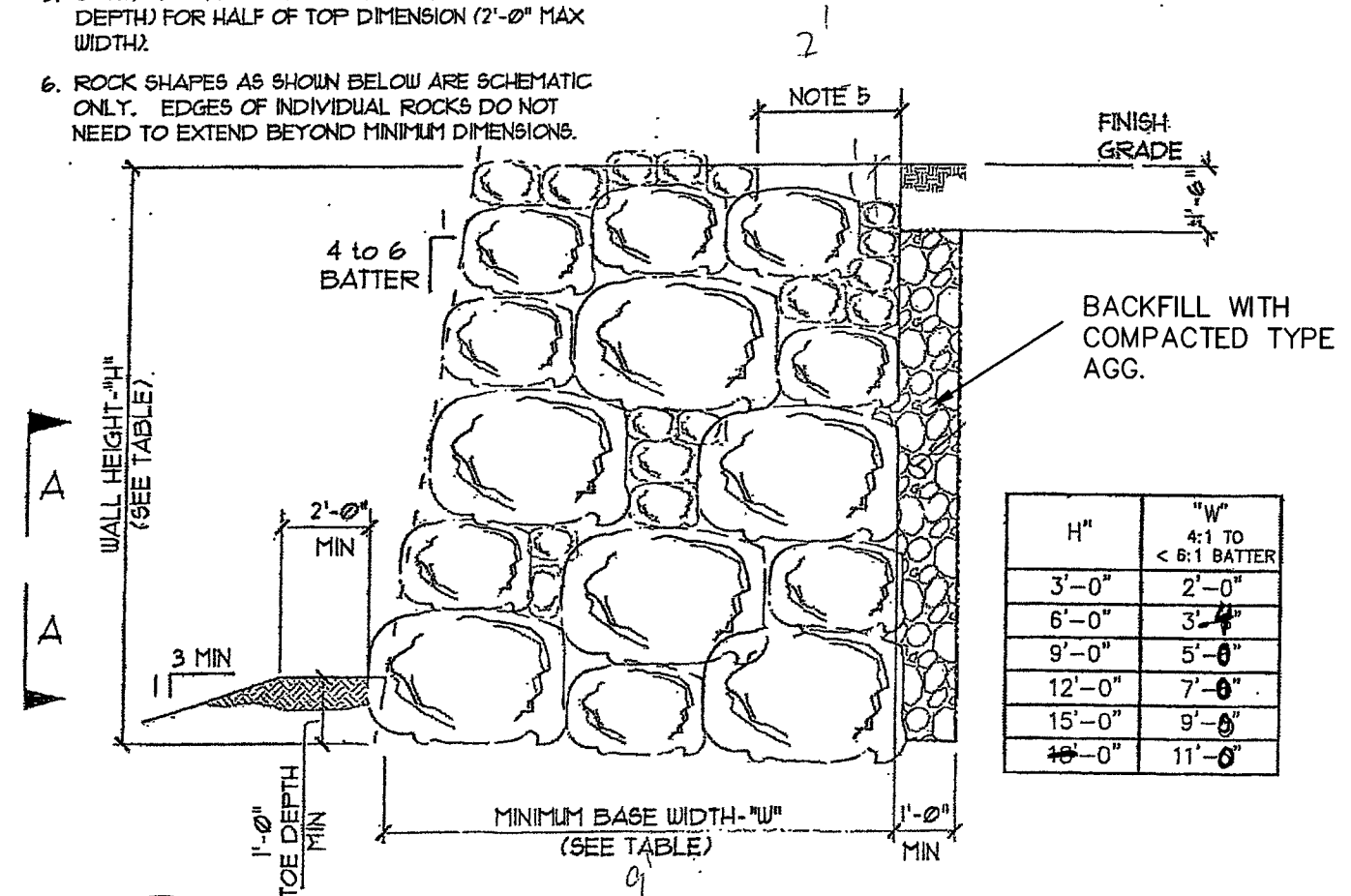
LIMITS OF GRADING SECTION "A"

NOTES:

- ROCK LAYERS ARE SHOWN FOR SCHEMATIC PURPOSES ONLY. NUMBER OF LAYERS MAY VARY AT CONTRACTOR'S OPTION, PROVIDED THE ROCK LAYER DEPTH DOES NOT EXCEED ROCK LAYER WIDTH (WHERE APPLICABLE).
- BASE WIDTH AS SHOWN IS A MINIMUM DIMENSION WITH RESPECT TO WALL HEIGHT AND MAY BE INCREASED AT CONTRACTOR'S OPTION.
- WALL DESIGN ASSUMES ROCK LAYERS ARE VERTICALLY ALIGNED AT BACK FACE OF WALL.
- ROCKS ARE TO BE PLACED SO THAT VERTICAL JOINTS ARE TYPICALLY NOT ALIGNED BETWEEN ROWS OF ROCKS.
- CONTRACTOR MAY OMIT TOP COURSE (1'-0" MAX DEPTH) FOR HALF OF TOP DIMENSION (2'-0" MAX WIDTH).
- ROCK SHAPES AS SHOWN BELOW ARE SCHEMATIC ONLY. EDGES OF INDIVIDUAL ROCKS DO NOT NEED TO EXTEND BEYOND MINIMUM DIMENSIONS.



SECTION A-A



1 ROCK RETAINING WALL

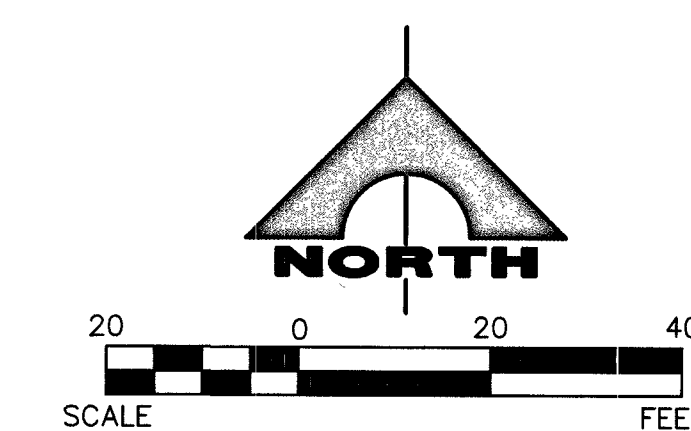
SCALE: N.T.S.

FLOOD ZONE NOTE:

THE PROJECT IS LOCATED WITHIN A FEMA DESIGNATED FLOOD ZONE. PER FIRM PANEL 32003C2145P DATED NOVEMBER 16, 2011, A FLOOD ZONE A IS DEFINED AS BEING A FEMA-DESIGNATED SPECIAL FLOOD HAZARD AREA AND IS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD.

NOTES:

- GRADING PLAN FOR PERMIT ONLY, REQUIRED BY CITY LAS VEGAS, CASE NO. 191597
- ORIGINAL CONSTRUCTION COMPLETED IN 2003.
- NO GRADING WITHIN FLOOD ZONE.



BENCHMARK

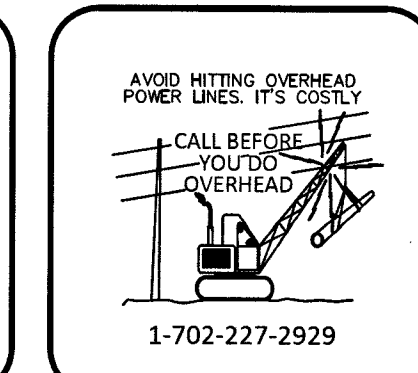
BM #	DESCRIPTION	NAVD 88	NAVD 88
9LV-106NW6	CITY OF LAS VEGAS VERTICAL CONTROL POINT '9LV106NW6', BEING A RIVET & PLATE IN TOP OF CURB AT SW CORNER OF CHARLESTON & HUALAPAI IN PORK CHOP ISLAND	2914.54 (FEET)	888.355 (METERS)

NOTE

CITY OF LAS VEGAS VERTICAL CONTROL 2008 ADJUSTMENT (UPDATED 05/24/2010) BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD'88).

BASIS OF BEARINGS

NORTH: 89°40'03" EAST, BEING THE BEARING OF THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 31, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN IN FILE 120, PAGE 49 OF PARCEL MAPS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.



DATE: 05-30-19

GCW APP

DATE

AGN APP

DATE

REV

DATE

PROJECT NO.

DESIGN: _____

CHECK: _____

PLOT DATE: 05-30-19

PLOT TIME: 09:17:49

DESCRIPTION

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

GCW
ENGINEERS & SURVEYORS

180 LAND COMPANY, LLC

APN: 138-31-702-004

GRADING PLAN

DRAWING

C4.01

4 OF 4 SHTS

619-00025 650.81