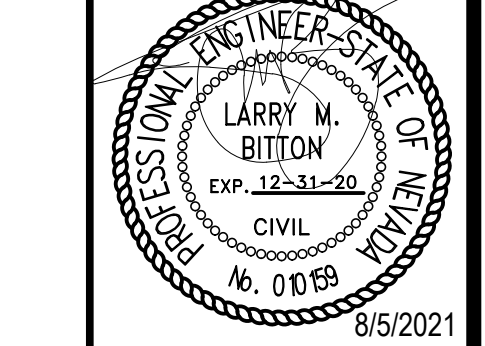


HORROCKS ENGINEERS
 1401 N. Green Valley Pkwy, Suite 160
 Henderson, NV 89074
 (702) 966-4063
 www.horrocks.com

WARNING
 IF THIS BAR DOES NOT MEASURE 2" THEN DRAWING IS NOT TO SCALE

| REVISIONS | DATE / DESCRIPTION |
|-----------|--------------------|
| | |
| | |
| | |

| | |
|--------------|----------------|
| DRAWING INFO | DATE: 8/5/2021 |
| DESIGNED: | SS |
| DRAWN: | PMP |
| CHECKED: | AD |
| PROJECT: | NV-1949-1909 |



GRADING KEY NOTES:

- (C1) CONSTRUCT 30" ROLL CURB PER CCAUSD #217.5 S1
- (C2) CONSTRUCT "L" TYPE CURB PER CCAUSD #216
- (C3) CONSTRUCT "A" TYPE CURB PER CCAUSD #219
- (C4) CONSTRUCT 10' TRANSITION FROM "L" TYPE CURB TO ROLL CURB PER DETAIL "1" ON SHEET C.6.1
- (C5) CONSTRUCT 2" AC PAVEMENT OVER 4" TYPE II AGG BASE
- (C6) CONSTRUCT SIDEWALK RAMP "CASE I" PER CCAUSD #235
- (C7) CONSTRUCT 5" CONCRETE SIDEWALK PER CCAUSD #234
- (C8) CONSTRUCT 4" AC PAVEMENT OVER 4" TYPE II AGG BASE
- (C9) CONSTRUCT 5.5" AC PAVEMENT OVER 6" TYPE II AGG BASE
- (C10) CONSTRUCT 8" CONCRETE VALLEY GUTTER PER CCAUSD #228
- (C11) SAWCUT, TRENCH, BACKFILL AND ASPHALT PATCH PER CCAUSD 500.3, 500.4, 500.5 & 503 (PATCH DIMENSIONS TO BE DETERMINED IN THE FIELD) PROPOSED SAWCUT TO BE AT LANE LINE
- (C12) INSTALL WROUGHT IRON GATE PER CCAUSD #425.S1
- (C13) INSTALL 60" TYPE II-SD STORM DRAIN MANHOLE PER CCAUSD #401 & 405.2
- (C14) CONSTRUCT CURB OPENING PER DETAIL "2" OF SHEET C.6.1
- (C15) INSTALL TYPE I-SD STORM DRAIN MANHOLE PER CCAUSD #403 WITH NEENAH 2901-G GRATED LID PER DETAIL "8" ON C.6.1
- (C16) INSTALL STORM DRAIN JUNCTION STRUCTURE PER STRUCTURAL DRAWINGS ON SHEETS S1.0-S3.0
- (C17) EXISTING TO REMAIN. PROTECT IN PLACE.
- (C18) INSTALL LANDSCAPING PER LANDSCAPE PLAN BY OTHERS
- (C19) CONSTRUCT 5'x5' CONCRETE SIDEWALK PAD PER CCAUSD #234 FOR ADA TURNAROUND
- (C20) CONSTRUCT DRIVEWAY PER CCAUSD #223
- (C21) CONSTRUCT DROP INLET TYPE "CM2" PER CCAUSD #412.1 & 421. L=15', D=8.20'
- (C22) CONSTRUCT DROP INLET TYPE "CM2" PER CCAUSD #412.1 & 421. L=10', D=7.85'
- (C23) CONSTRUCT SIDEWALK UNDER DRAIN PER CCAUSD #236
- (C24) INSTALL RIP-RAP D50=6", T=12" SUBGRADE @ 90% COMPACTION LENGTH AND WIDTH SPECIFIED ON PLAN
- (C25) CONSTRUCT 4" CONCRETE SIDEWALK PER CCAUSD #234
- (C26) CONSTRUCT BUS TURNOUT PER CCAUSD #234.1 & DETAIL "10" ON C.6.0
- (C27) CONSTRUCT 3" CONCRETE VALLEY GUTTER PER CCAUSD #228
- (C28) INSTALL 4" SIDEWALK DRAIN PIPE PER DETAIL "7" ON SHEET C.6.1
- (C29) CONSTRUCT BLOCK WALL OPENING PER DETAIL "3" ON SHEET C.6.1
- (C30) CONSTRUCT 24" WIDE CONCRETE FLUME PER DETAIL "5" ON SHEET C.6.1
- (C31) CONSTRUCT 24"x36" BUBBLER STRUCTURE PER DETAIL "4" ON SHEET C.6.1
- (C32) CONSTRUCT 6" CONCRETE PAVEMENT OVER 4" TYPE II AGG BASE

EASEMENT KEY NOTES:

- 1 32.5' PUBLIC DRAINAGE EASEMENT PER CCAUSD #425.S1 TO BE PRIVATELY MAINTAINED. PER FINAL MAP.
- 2 24' PUBLIC EMERGENCY ACCESS EASEMENT TO BE PRIVATELY MAINTAINED. PER FINAL MAP.
- 3 PUBLIC DRAINAGE EASEMENT PER CCAUSD #425.S1 TO BE PRIVATELY MAINTAINED BY HOA. PER FINAL MAP.

ENGINEER'S NOTES:

- CONTRACTOR IS RESPONSIBLE FOR EROSION AND DUST CONTROL, AND STORMWATER MANAGEMENT DURING CONSTRUCTION.
- SEE HORIZONTAL CONTROL PLAN FOR EXACT PROPERTY LINE DIMENSIONS. ENGINEER TO BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THESE PLANS AND FIELD CONDITIONS.
- THESE PLANS SHALL NOT IN PART, OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY GOVERNING AGENCIES.
- ALL GRADING SHALL CONFORM TO SOILS REPORT RECOMMENDATIONS.
- DURING CONSTRUCTION, SURVEYORS AND CONTRACTORS MUST VERIFY THAT ALL STREETS AND LOTS HAVE POSITIVE DRAINAGE. SAME MUST UTILIZE AT LEAST THREE GRADES ON VERTICAL TANGENTS TO VERIFY SLOPES.
- SOILS REPORT NOTE:
GRADING SHALL BE IN ACCORDANCE WITH SOILS REPORT PREPARED BY: GEOTEK, INC.
PROJECT NO.: 12594-LV
DATE: JANUARY 9, 2020
- CUT/FILL ESTIMATES (PUBLIC AND PRIVATE):
FROM EXISTING TO FINISH GRADE ELEVATIONS
NET CUT: 12.916 CY
NET FILL: 17.875 CY
TOTAL: 4.959 CY (FILL)
- FLOOR SECTION ASSUMES 1.2" PAD SECTION. CONTRACTOR TO VERIFY WITH STRUCTURAL PLANS AND GEOTECHNICAL ENGINEER.

AREA OF DISTURBANCE

ONSITE: 29.85 AC.
 OFFSITE: 6.97 AC.

DRAINAGE CERTIFICATION:

THIS SET OF IMPROVEMENT PLANS IS CERTIFIED TO CONFORM TO THE REQUIREMENTS OF THE APPROVED DRAINAGE STUDY.
 DS# 5232
 LARRY BITTON, P.E. NO. 010159
 DATE: 8/5/21

BASIS OF BEARING

NORTH 00°37'29" WEST, BEING THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 25, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON THE PLAT OF CONSTELLATION ESTATES, RECORDED IN BOOK 102, PAGE 92, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

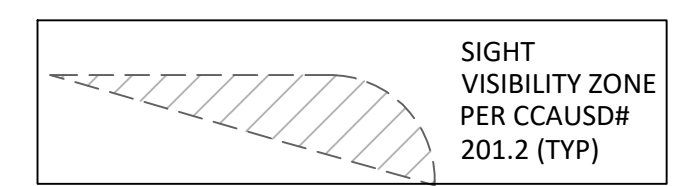
BENCHMARK

RIVET & PLATE IN CONCRETE CYLINDER 60 FEET WEST OF MAINWAL AND AZURE
 ELEVATION (meters) 901.13
 ELEVATION (feet) 2,956.44
 NAVD 88

FLOOD ZONE:

THIS SITE IS LOCATED IN A ZONE 'X', AREAS OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN AND PARTIALLY IN A SHADED ZONE 'X', AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE OF FLOOD PER THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL 32003C1750E, CLARK COUNTY, NEVADA DATED NOVEMBER 16, 2011, REVISED TO REFLECT LOMR DATED OCTOBER 18, 2018.

REFERENCE LINE
 SEE SHEET C.2.10



SIGHT VISIBILITY ZONE NOTE:

NO WALLS, FENCES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES, FIRE HYDRANTS, TREES, AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT, MEASURED FROM TOP OF CURB. ON WHERE NO CURB EXISTS, A HEIGHT OF 27 INCHES MEASURED FROM THE TOP OF ADJACENT ASPHALT, GRAVEL OR PAVEMENT STREET SURFACE. THIS RESTRICTION EXTENDS ALONG THE SIGHT VISIBILITY LINE THROUGH LANDSCAPED MEDIANS.

NOTE:
 ALL COMMON ELEMENTS ARE PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.

NOTE:
 ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.

NOTE:
 ADD 2900' TO GRADING ELEVATIONS SHOWN HEREON TO ADJUST THEM TO THE ASSOCIATED DATUM. FINISHED GRADE CONTOURS ARE APPROXIMATE. REFER TO SPOT ELEVATION GRADE TAGS FOR CONSTRUCTION STAKING PURPOSES.

NOTE:
 REFERENCE SHEETS C.5.22 THROUGH C.5.25 FOR NVE ACCESS ROAD INFORMATION

NOTE:
 REFERENCE SHEETS C.5.15 THROUGH C.5.18 FOR INTERIM GRADED CHANNEL DESIGN IN PULI ROAD ALIGNMENT

NOTE:
 INTERIM ROUGH GRADING FOR PHASE 2

LEGAL DESCRIPTION:

A PORTION OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 25, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE WEST HALF (W 1/2) OF THE WEST HALF (W 1/2) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 25, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.M., TOGETHER WITH:

THE WEST HALF (W 1/2) OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 25, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.M.

Call before you dig
 811
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Call before you dig
 1-702-227-2929

FAST
 Call before you dig
 UnderGround
 1-702-432-5300

CENTENNIAL HEIGHTS TOWNHOMES PHASE 1
 CITY OF LAS VEGAS, NEVADA
 GRADING PLAN 13

C.2.12
 L20-01574 CLV DWG# 107Y5156
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