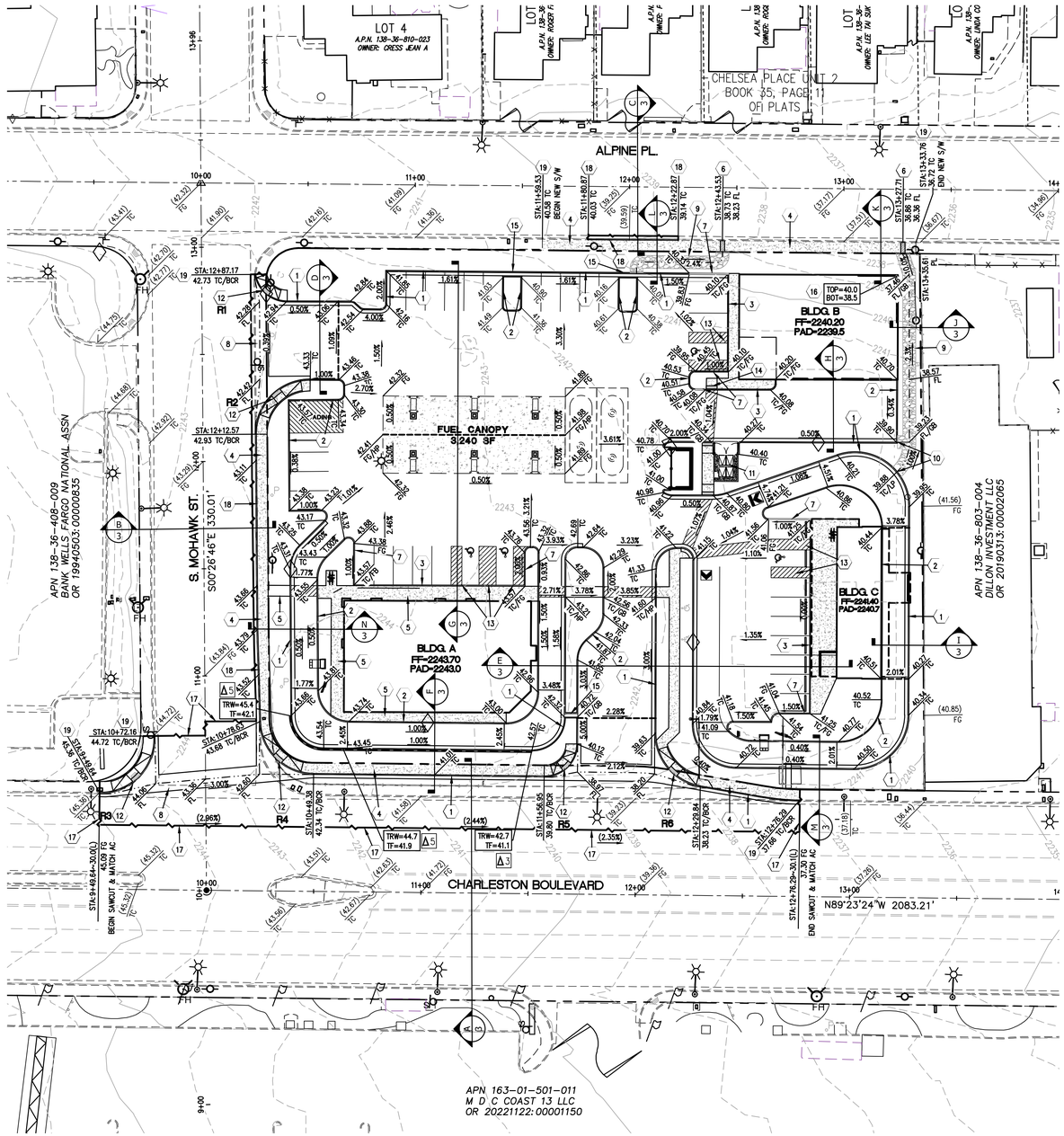


STORMWATER MANAGEMENT NOTES

1: THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.

2: ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.

3: TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, SOME EXCEPTIONS MAY APPLY; REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SITE STABILIZATION REQUIREMENTS, SCHEDULES, AND DEADLINES.

4: AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPS WEEKLY, AND WITHIN 24 HOURS AFTER A RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, INSPECTIONS SECTION.

5: ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

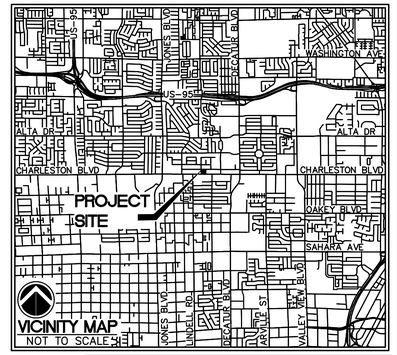
6: AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL RESPOND TO STORMWATER INSPECTION CORRECTIVE ACTIONS IN THE MANNER PRESCRIBED BY CLARK COUNTY, INCLUDING BUT NOT LIMITED TO PROVIDING PHOTOS AND DESCRIPTIONS OF THE CORRECTIONS COMPLETED BY THE CONTRACTOR OR HIS AGENT.

GENERAL NOTES

1. SEE SHEETS 3 & 4 FOR STREET SECTIONS AND DETAILS.
2. THE QUANTITIES SHOWN HEREON ARE ESTIMATES ONLY AND ARE NOT TO BE USED FOR BIDDING PURPOSES.
3. CONTRACTORS SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
4. THE SITE SHALL BE GRADED IN ACCORDANCE WITH THE APPROVED SOILS REPORT BY XXXXXXXXXXXXXX, DATED: XXXXXXXXXX, PROJECT NO. XXXXXXXXXX.
5. ADD 2200 TO ALL GRADES SHOWN HERE ON EXCEPT FINISHED FLOOR ELEVATIONS.
6. THIS GRADING PERMIT DOES NOT INCLUDE THE CONSTRUCTION OF RETAINING WALLS AND OTHER STRUCTURES. SEPARATE PERMITS AND APPLICATIONS ARE REQUIRED FOR THESE. (APPENDIX SECTION J103.1 AS AMENDED.)
7. ALL WORK PERFORMED UNDER THIS GRADING PERMIT REQUIRES SPECIAL INSPECTION PER SECTION 1704 (APPENDIX SECTION J105.2).
8. ALL CUT/FILL SLOPES SHALL BE TREATED WITH LANDSCAPE ROCK. ALL CUT/FILL SLOPES SHALL BE MAINTAINED TO CONTROL EROSION. THESE MEASURES SHALL BE INSTALLED AS SOON AS POSSIBLE AND PRIOR TO CALLING FOR FINAL INSPECTION. (APPENDIX SECTION J110.1).
9. ALL GRADING SHALL DRAIN AWAY FROM ALL BUILDING FOUNDATIONS. SEE SECTIONS ON SHEET 3.
10. SEE FLOOD HAZARD ZONE NOTE THIS SHEET.

CONSTRUCTION NOTES

1. CONSTRUCT "L" TYPE CURB PER CCAUSD #216
2. CONSTRUCT TYPE "A" CURB PER DETAIL "A" SHEET 4
3. CONSTRUCT TYPE "A" CURB W/ ZERO LIP PER DETAIL "B" SHEET 4
4. CONSTRUCT 5' WIDE CONC. SIDEWALK PER CCAUSD #234
5. CONSTRUCT WALKWAYS, PATIOS, STEPS AND DRIVEWAY PER ARCH. SPEC.
6. INSTALL 2' SIDEWALK DRAIN PER CCAUSD #236
7. CONSTRUCT CURB TRANSITION FROM "0" FACE TO 6" FACE PER DETAIL "G" SHEET 4
8. CONSTRUCT 8' CROSS GUTTER PER CCAUSD #228
9. CONSTRUCT 6' WIDE BMP SWALE 40' LONG PER DETAIL "D" SHEET 4
10. CONSTRUCT CURB CUT PER DETAIL "H" SHEET 4
11. CONSTRUCT TRASH ENCLOSURE PER ARCH. PLANS
12. CONSTRUCT CASE I ADA RAMP PER CCAUSD #235 SEE ADA TABLE ON THIS SHEET FOR "A" & "B" VALUES
13. CONSTRUCT ADA LOADING ZONE PER DETAIL "C" SHEET 4
14. CONSTRUCT ADA RAMP PER DETAIL "F SHEET 4
15. CONSTRUCT 2.5' WIDE "U" CHANNEL PER DETAIL "E" SHEET 4
16. CONSTRUCT DEEPENED FOOTING, SEE STRUCTURAL PLANS BY WRIGHT ENGINEERS, BOT = FG
17. SAWCUT EXISTING AC PAVING, REMOVE AND MATCH EXISTING GRADES
18. REMOVE AND REPLACE EXISTING CURB W/ L TYPE CURB PER CCAUSD #216
19. MATCH EXISTING CURB AND/OR SIDEWALK



LEGEND

SYMBOLS		DESCRIPTION
EXISTING	PROPOSED	
		RIGHT-OF-WAY
		CENTERLINE
		BOUNDARY
		PROPERTY LINE
		EASEMENT
		CURB & GUTTER
		SET BACK
		SCREEN WALL
		RETAINING WALL
		SWALE
2700	2700	CONTOUR
		3:1 SCARP
		EDGE OF PAVEMENT
		SIDEWALK RAMP
		SAWCUT & MATCH
		FIRE HYDRANT
		STREET LIGHT
CTV	CTV	CABLE TV BOX
TEL	TEL	TELEPHONE BOX
(FF=2700.00)	FF=2700.00	FINISH FLOOR ELEV.
	PAD=2700.0	PAD ELEVATION
	TRW	TOP OF RETAINING WALL
	FS	FINISH SURFACE

ADA TABLE

RAMP	"A"	"B"
R1	8.0'	8.0'
R2	8.0'	8.0'
R3	8.0'	8.0'
R4	4.5'	12.0'
R5	8.0'	8.0'
R6	4.5'	12.0'

ADA RAMPS ARE TO BE CONSTRUCTED PER CCAUSD NO. 235, CASE I.

CUT/FILL QUANTITY

TOTAL PROJECT

CUT = 2,000 CY
FILL = 10 CY

THESE QUANTITIES ARE RAW QUANTITIES BASED ON THE DIFFERENCE BETWEEN FINISHED SURFACE AND EXISTING GROUND ONLY. THEY DO NOT ACCOUNT FOR SHRINKAGE OR SUBSIDANCE. CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN QUANTITIES.

DISTURBED AREA

TOTAL PARCEL ACREAGE = 1.84 AC
ONSITE DISTURBED = 1.70 AC
OFFSITE DISTURBED = 0.14 AC

RETAINING WALLS

SYMBOL	COURSES	HEIGHT
Δ1	1	0.67'
Δ2	2	1.34'
Δ3	3	2.01'
Δ4	4	2.68'
Δ5	5	3.35'
Δ6	6	3.98'
Δ7	7	4.61'
Δ8	8	5.28'

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

I CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE WITH CITY OF LAS VEGAS, DS-5670

PETE LAAS, P.E. #14444 — 9/19/23 DATE

CLV#
DWG#L23-

ENGINEER

IMPULSE CIVIL ENGINEERING
7485 WEST AZURE DRIVE, SUITE 226
LAS VEGAS, NV 89130
702-815-0720 (PHONE)
CONTACT PERSON: PETE LAAS
EMAIL: PLAAS@IMPULSECIVIL.NET

OWNER

CHARMO LLC
3 MOHANISC DRIVE
HENDERSON, NV 89052
PHONE: (702)321-1927
EMAIL: DEVON@SANSONEINVESTMENTS.COM
CONTACT PERSON: DEVON SANSONE

DEVELOPER

SANSONE INVESTMENTS
2580 ST ROSE PARKWAY, SUITE 125
HENDERSON, NV 89074
PHONE: (702)321-1927
EMAIL: DEVON@SANSONEINVESTMENTS.COM
CONTACT PERSON: DEVON SANSONE

FLOOD HAZARD ZONE

THE SUBJECT PROPERTY IS COMPLETELY LOCATED WITHIN AN UNSHADED SFHA ZONE "X" AS FOUND ON FEMA FIRM: 32003C2165D
EFFECTIVE: NOVEMBER 16, 2011

A SFHA UNSHADED ZONE "X" IS DETERMINED TO BE AREAS LOCATED OUTSIDE THE 0.2% (500-YEAR) ANNUAL CHANCE FLOODPLAIN.

BENCHMARK

CLARK COUNTY VERTICAL CONTROL STATION 7C0036S4, RIVET AND PLATE IN TOP OF CURB AT NE CORNER OF CHARLESTON & MOHAWK.

ELEVATION = 683.55 METERS
ELEVATION = 2242.62 U.S. SURVEY FEET (NAVD 88 v.2018) (GEOID 18)

BASIS OF BEARINGS

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

CAUTION TO SUBCONTRACTOR !

EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE SUBCONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

REV	REVISION DESCRIPTION	SHEETS	APP BY	APP DATE

TITLE: GRADING PLAN

PROJECT: CHARLESTON - MOHAWK
CITY OF LAS VEGAS, NEVADA

PETER J. LAAS
EXP: 12-31-23
CIVIL
No. 14444
PROFESSIONAL ENGINEER - STATE OF NEVADA
9/19/23

Impulse
Civil Engineering & Planning
$I = \int F \cdot dt$
CIVIL ENGINEERS · PLANNERS
7485 WEST AZURE DRIVE, SUITE 226
LAS VEGAS, NEVADA 89130
PHONE: (702) 815-0720
FAX: (702) 776-4533

W.O. # : HB-2312
BY: REH
DATE: 09/21/23
SCALE: 1"=30'

SHEET 5 OF 8 SHEETS

File: P:\Clients\Hartfield\Charleston-Mohawk\MP PLAN\05-GRAD CHARLMOHAWK.dwg Sheet: 05 GRADING Date: 19-Sep-23 11:11:53am