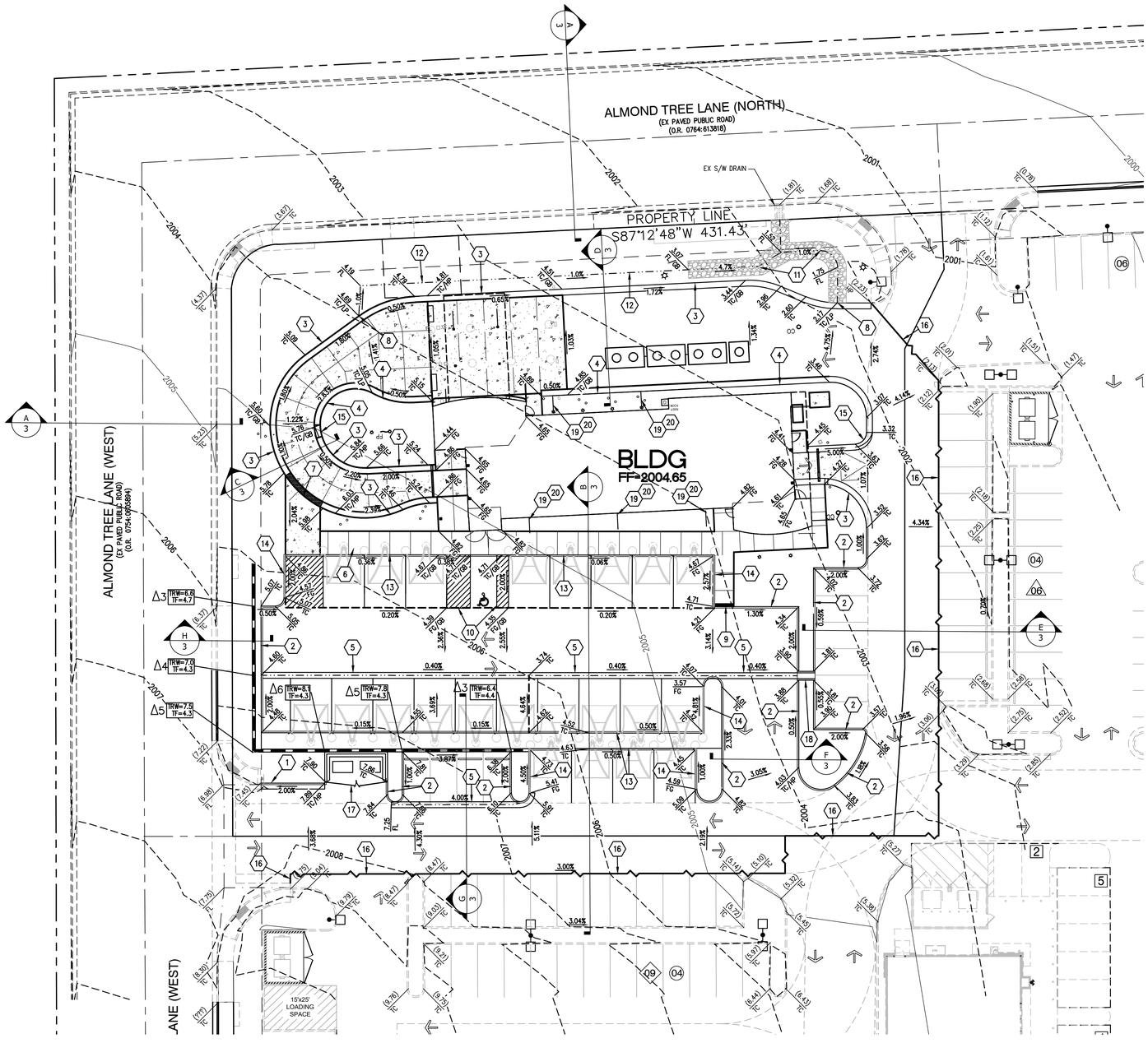
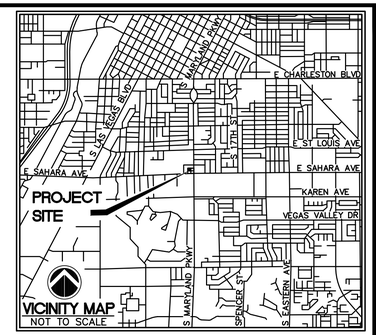


CONSTRUCTION NOTES

1. CONSTRUCT ISLAND "L" CURB PER CCAUSD #219
2. CONSTRUCT ISLAND "A" CURB PER CCAUSD #219
3. CONSTRUCT R-TYPE (ONSITE) CURB PER CCAUSD #217.3.S1 SEE DETAIL "G" SHEET 3 CONSTRUCT TIP OUT R-TYPE (ONSITE) CURB PER CCAUSD #217.3.S2 SEE DETAIL "I" SHEET 3
4. CONSTRUCT 2' CONCRETE VALLEY GUTTER PER DETAIL "B" SHEET 3
5. CONSTRUCT CONC. SIDEWALK PER CCAUSD #234
6. CONSTRUCT ZERO LIP R-TYPE (ONSITE) CURB & GUTTER PER DETAIL "H" SHEET 3
7. CONSTRUCT CURB CUT PER DETAIL "F" SHEET 3
8. CONSTRUCT ADA RAMP PER DETAIL "D" SHEET 3
9. CONSTRUCT ADA LOADING ZONE PER DETAIL "E" SHEET 3
10. CONSTRUCT BMP SWALE PER DETAIL "L" SHEET 3
11. CONSTRUCT EARTHEN SWALE PER DETAIL "M" SHEET 3
12. CONSTRUCT ZERO LIP "A" CURB PER DETAIL "J" SHEET 3
13. CONSTRUCT CURB TRANSITION FROM "0" FACE TO 6" FACE PER DETAIL "K" SHEET 3
14. CONSTRUCT CURB TRANSITION FROM R-TYPE TO TIP OUT R-TYPE
15. SAWCUT EXISTING AC PAVEMENT, REMOVE AND MATCH EXISTING
16. CONSTRUCT TRASH ENCLOSURE PER DETAIL "A" SHEET 3
17. CONSTRUCT 3' WIDE "U" CHANNEL PER DETAIL "C" SHEET 3
18. ROOF DRAIN OUTLET PER ARCHITECTURAL SPEC.
19. INSTALL SPLASH BLOCK PER ARCHITECTURAL SPEC.
20.

GENERAL NOTES

1. SEE SHEETS 3 & 4 FOR STREET SECTIONS AND DETAILS.
2. THE QUANTITIES SHOWN HERON 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 SOUTHWEST GEOTECHNICAL. DATED: 11/30/2021. PROJECT NO. 205919.
5. ADD 2000 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 4.
10. SEE FLOOD HAZARD ZONE NOTE THIS SHEET.



LEGEND

SYMBOLS EXISTING	SYMBOLS PROPOSED	DESCRIPTION
		RIGHT-OF-WAY
		CENTERLINE
		BOUNDARY
		PROPERTY LINE
		EASEMENT
		CURB & GUTTER
		SET BACK
		RETAINING WALL
		SCREEN 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)	2700.00	FINISH FLOOR ELEV.
	00.0	PAD ELEVATION
	TRW	TOP OF RETAINING WALL
	TF	TOP OF FOOTING

GRADING NOTE

SAWCUT CLEAN AND REMOVE EXISTING CURB, GUTTER, AND SIDEWALK. IN THE EVENT THE A.C. PAVEMENT IS DAMAGED, DEGRADED, OR COMPROMISED IN ANY WAY DURING REMOVAL, THE PAVEMENT SHALL BE REMOVED AND REPLACED BY MECHANICAL MEANS AS REQUIRED BY A CNLV CONSTRUCTION SERVICES INSPECTOR.

WALL NOTE

THE STRUCTURAL DETAIL(S) SHOWN HEREON ARE FOR REFERENCE ONLY AS BLOCK WALLS REQUIRE A SEPARATE STRUCTURAL REVIEW AND PERMIT ISSUED BY THE CNLV BUILDING DEPARTMENT. APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE APPROVAL OF ANY STRUCTURAL DETAILS OR BLOCK WALL DESIGN.

RETAINING WALLS

SYMBOL	COURSES	HEIGHT
Δ1	1	0.67'
Δ2	2	1.33'
Δ3	3	2.00'
Δ4	4	2.67'
Δ5	5	3.33'
Δ6	6	4.00'

RETAINING WALL NOTE:

COURSES SHOWN ON THIS PLAN ARE COMPUTED BASED ON TOP OF RETAINING WALL (TRW) MINUS TOP OF FOOTING (TF). TOP OF FOOTING IS FINISHED GRADE AT THE FACE OF WALL MINUS 4 INCHES.

CUT/FILL QUANTITY

TOTAL PROJECT

CUT = 775 CY

FILL = 456 CY

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

BASIS OF BEARINGS

NORTH 87°12'46" EAST, BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 3, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA AS SHOWN BY MAP THEREOF ON FILE IN FILE 97, PAGE 79 OF PARCEL MAPS, IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK 12LV113SES

RIVET AND PLATE IN TOP OF CURB AT NW CORNER OF MARYLAND PARKWAY AND SAHARA AVE.

ELEVATION = 2002.28 (U.S. SURVEY FEET)
ELEVATION = 610.295 (METERS)

FLOOD HAZARD ZONE

THE SUBJECT PROPERTY IS IN SFHA ZONE "X" AS FOUND ON FEMA FIRM: 32003C2170F
EFFECTIVE: NOVEMBER 16, 2011

A SFHA ZONE "X" IS DEFINED AS: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE (500 YEAR) FLOODPLAIN.

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

PETE LAAS, P.E. #14444 — 11/21/23 DATE

CLV# L23-
DWG#

OWNER

CABRAL CAR WASH INC
540 PUENTA DEL REY
LAS VEGAS, NV 89138
805–310–1300 (PHONE)
CONTACT PERSON: MICHAEL CABRAL

DEVELOPER

CABRAL CAR WASH INC
TOMMY CAR WASH
540 PUENTA DEL REY
LAS VEGAS, NV 89138
805–310–1300 (PHONE)
CONTACT PERSON: MICHAEL CABRAL

ENGINEER

IMPULSE CIVIL ENGINEERING
7485 WEST AZURE DRIVE, SUITE 226
LAS VEGAS, NV 89130
702–815–0720 (PHONE)
CONTACT PERSON: PETE LAAS

$$I = \int F \cdot dt$$

Tommy Car Wash Systems

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.

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929
NEVADA POWER ENVIRONMENT & SAFETY SERVICES DEPARTMENT

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811
OR 1-800-642-2444

REV	REVISION DESCRIPTION	SHEETS	APP BY	APP DATE

TITLE: GRADING PLAN

PROJECT: TOMMY'S CAR WASH @ SAHARA & MARYLAND
CITY OF LAS VEGAS, NEVADA

REGISTERED PROFESSIONAL ENGINEER
PETER J. LAAS
Exp:12/31/25
CIVIL
STATE OF NEVADA No. 14444
11/20/2023

Impulse
Civil Engineering & Planning
I = ∫ F · dt
CIVIL ENGINEERS - PLANNERS
7485 WEST AZURE DRIVE, SUITE 226
LAS VEGAS, NEVADA 89130
PHONE: (702) 815-0720
FAX: (702) 476-4553

W.O. # : MC-2303
BY : REH
DATE : 11/18/23
SCALE : 1"=20'

SHEET 4 OF 8 SHEETS

File: P:\Clients\Tommys Car Wash\Sahara-Maryland\Imp Plan\03 GRADING.dwg Sheet: 03 GRADING Date: 21-Nov-23 11:55:20am