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ADDENDUM to TECHNICAL DRAINAGE STUDY
FOR
824 South Decatur Blvd.
(Update for Goal Extended Stay)

JOB NO. 210261
September 2022

Prepared by:

ACG Design
4310 Cameron St, Suite 12-A
Las Vegas, NV 89103
(702) 448-8737

Prepared for:

824 S. DECATUR LLC
5243 W. Charleston Blvd.
Las Vegas, NV 89146

HYDROLOGIC CRITERIA AND DRAINAGE MANUAL

DRAINAGE STUDY INFORMATION FORM

Name of Development: 824 Decatur Blvd. Update #1 Date: SEPTEMBER 20, 2022

Location of Development: a) Descriptive (Cross Streets) North/South: Decatur Blvd.

East/West: Alpine Street

b) Section: 36 Township: 20 SOUTH Range: 60 EAST

c) APN : 138-36-802-004 & 138-36-802-005

Name of Owner: 824 S. DECATUR BLVD. LLC

Telephone No.: N/A Fax No.: Fax No.: E-Mail Address: N/A

Address: 5243 W. CHARLESTON BLVD. LAS VEGAS, NV 89146

Contact Person-Name: RANDY SKORPINSKI, PE **Telephone No.:** 702-448-8737

* **E-Mail Address:** RSKORPINSKI@ACG.DESIGN **Fax No.:** N/A

Firm: ACG DESIGN

Address: 4310 CAMERON ST., SUITE 12-A LAS VEGAS, NV 89103

Type of Land Development/Land Disturbance Process:

	Rezoning		Subdivision Map		Clearing and Grading Only
	Parcel Map		Planned Unit Development		Other (Please specify below)
	Large Parcel Map	✓	Building Permit		

1. Total Owned Land Area: At Site: 1.90+/- ACRES Being Developed/Disturbed: 1.90+/- ACRES
2. Is a portion or all of the subject property located in a designated FEMA Flood Hazard Area? ☐ **Yes**** ☑ **No**
3. Is the property bordered or crossed by an existing or proposed Clark County Regional Flood Control District Master Planned Facility? ☐ **Yes**** ☑ **No**
4. Proposed type of development (Residential, Commercial, Etc.): COMMERCIAL
5. Approximate upstream land area which drains to the subject site: A PORTION OF APARTMENT COMPLEX ON WEST SIDE OF PROJECT SITE
6. Has the site drainage been evaluated in the past? ☑ **YES** ☐ **NO** If yes, please identify documentation: TDS for 824 S. DECATUR BLVD. (DS4956)
7. If known, please briefly identify the proposed discharge point(s) of runoff from the site: DECATUR BLVD.
8. Briefly describe your proposed schedule for the subject project: ASAP

Engineer's Seal

Submit this form as part of the required drainage study to the local entity which has jurisdiction over the subject property. This form may provide sufficient information to serve as the Conceptual Drainage Study.

***New Required Field**

****Review and concurrence of the Clark County Regional Flood Control District is required.**

Local Entity File No.

Revision	Date

REFERENCE:

STANDARD FORM 1

Updated 05/01/2008

COMMENT LETTER

CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM				DATE: July 26, 2022
TO: **Land Development Services** Department of Building & Safety				FROM: Albert Sung, P.E. Flood Control Project Engineer Department of Public Works
SUBJECT:	Drainage Study for: **824 South Decatur Boulevard** **(Update for Goal Extended Stay)**			**COPIES TO:** ACG
Cross Streets:	NWQ of Decatur Blvd. & Charleston Blvd.			824 S. Devatur Blvd, LLC
File Number:	F:\Depot\DSMemos\DS4956C.doc			Bart Anderson, P.E., DevCo
Parcel Number:	138-36-802-004, -005			
Zoning Action:	21-0768-SDR1			
FEMA Flood Zone	YES	NO	X	
Proposed Storm Drain	YES	NO	X	

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Payment Trn #
1st Submittal	2/26/2018	3/8/2018	Not Approved	$400.00	493676: $400
2nd Submittal	4/23/2018 & 5/10/2018	5/10/2018	Approved	$400.00	495235: $400
3rd Submittal	7/11/2022	7/25/2022	See Comments Below	$100.00	4861946: $100
			TOTAL FEES (LDDRS):	**$900.00**	**----**

REMARKS:

3rd Submittal: Update #1

The Drainage Study for the subject project has been reviewed and:

	is approved subject to conformance to all City standards and the following conditions:
X	must be resubmitted or supplemented including the following:
	is conditionally approved subject to Clark County Regional Flood Control District concurrence.
	is conditionally approved subject to Clark County Public Works Department concurrence.

1. **FIG 5 (Developed Condition Basin Map)**: *Hydraulic Section 1* is not found in any of the *Summary Tables*. Address and revise in the next submittal.

2. The existing wall opening at the southwest corner of the subject development does not have capacity to discharge the anticipated 100-year flow of 36CFS. Coordinate with the adjacent property owner of the apartment to enlarge the opening to a wrought iron gate or fence.

3. Provide a 10'-wide public drainage easement at the downstream of the wrought iron gate/fence within the subject site for the conveyance of the offsite flow.

4. For parking lot LID and storm water quality, the engineer must provide calculations (per *Section 1500 of the CCRFCD Hydrologic Criteria and Drainage Design Manual*) to justify that the length, width and depth of the landscape swales are meeting the design guidelines in an effective disconnected impervious areas layout.

5. Label an existing storm drain in *Decatur Boulevard* with *City of Las Vegas* recorded drawing number on the grading plan. Identify all drop inlets and laterals with type and size information.

6. Provide current "Stormwater Management Notes" on the General Notes Plan.

7. Provide a note on all grading plans (Standard Note No. 6): Post-Construction BMPs (PCBMPs) / Control Measures noted on the Grading Plans are mandatory permanent regulatory stormwater pollution controls. These PCBMPs must be installed per the approved plans and must be permanently maintained.

NOTE: Any future changes to the proposed design (or design assumptions) as outlined in the approved drainage study and attached preliminary grading plan which affect drainage must be addressed in a Drainage Study Update and accepted by the *City of Las Vegas Flood Control Section*. Additionally, conditional acceptance of a drainage study is valid for a period of one (1) year. If the proposed construction has not been completed in that time period, the *City of Las Vegas* reserves the right to require additional conditions and/or submission and acceptance of a complete drainage study update prior to further construction of a project.

END OF REMARKS
JKS/AYS

T/R/S: T20S/R60E/36
AREA L-36

ARCHITECTURAL CIVIL GROUP
www.ACG.design

ACG Design
4310 Cameron Street, Suite 12A
Las Vegas, NV 89103

September 20, 2022

Mr. Albert Sung, P.E.

Flood Control Project Engineer

Department of Public Works

495 S. Main Street

Las Vegas, NV 89101

Subject: Addendum to Technical Drainage Study for 824 South Decatur Boulevard (Update for Goal Extended Stay)
CLV #DS4956C

Dear Mr. Sung,

This letter is a response to comments on the Drainage Study for the above referenced project.

1. *FIG 5 (Developed Condition Basin Map): Hydraulic Section 1 is not found in any of the Summary Tables. Address and revise in the next submittal.*

Response: The Section 1 is in the Summary Table. It was just mislabeled as 1A and 1B. Also, please note that Section 2 was revised due to the design change for the easement flow to be in the drive aisle instead. A hydraulic section has been included at the upstream side of the building to show the FF is 18" above the 100yr flow depth suing the easement flow (4.20cfs). A section of the 3ft U channel has also been included for where the easement flow enters the site. A proposed drainage easement has been provided. See Plans and revised Figure DR5.

2. *The existing wall opening at the southwest corner of the subject development does not have capacity to discharge the anticipated 100-year flow of 36CFS. Coordinate with the adjacent property owner of the apartment to enlarge the opening to a wrought iron gate or fence.*

Response: Noted. Per the email communication with Albert Sung, this comment has been deleted.

3. *Provide a 10'-wide public drainage easement at the downstream end of the wrought iron gate/fence within the subject site for the conveyance of the offsite flow.*

Response: Noted. See response to Comment #2. The 10ft wrought iron is not required or needed any more. A public drainage easement has been provided however for the conveyance of the offsite flow (4.20cfs). See revised Plans.

4. *For parking lot LID and storm water quality, the engineer must provide calculations (per Section 1500 of the CCRFCD Hydrologic Criteria and Drainage Design Manual) to justify that the length, width and depth of the landscape swales are meeting the design guidelines in an effective disconnected impervious areas layout.*

Response: Noted. A BMP calculation spreadsheet has been provided. The BMP swales are treating 100% of the impervious site.

5. *Label an existing storm drain in Decatur Boulevard with City of Las Vegas recorded drawing number on the grading plan. Identify all drop inlets and laterals with type and size information.*

Response: Noted.

6. *Provide current "Stormwater Management Notes" on the General Notes Plan.*

Response: Noted.

7. *Provide a note on all grading plans (Standard Note No. 6): Post-Construction BMPs (PCBMPs)/Control Measures noted on the Grading Plans are mandatory permanent regulatory storm water pollution controls. These PCBMPs must be installed per the approved plans and must be permanently maintained.*

Response: Noted.

If you have any questions, please don't hesitate to contact me.

Sincerely,

Randolph Skorpinski, P.E.
RSkorpinski@acg.design

COMMENT #1

3ft U-CHANNEL (100YR)
Worksheet for Rectangular Channel

Project Description	
Worksheet	U-Channel (100yr)
Flow Element	Rectangular Cha
Method	Manning's Formu
Solve For	Channel Depth

Input Data		
Mannings Coeffic	0.013	
Slope	.225000	ft/ft
Bottom Width	3.00	ft
Discharge	4.20	cfs

← Easement Flow thru wall opening

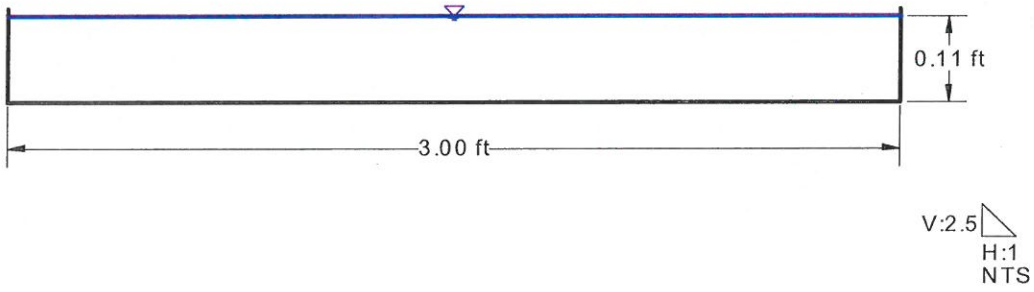
Results		
Depth	0.11	ft
Flow Area	0.3	ft²
Wetted Perim	3.23	ft
Top Width	3.00	ft
Critical Depth	0.39	ft
Critical Slope	0.004585	ft/ft
Velocity	12.19	ft/s
Velocity Head	2.31	ft
Specific Energ	2.43	ft
Froude Numb	6.34	
Flow Type	Supercritical	

← Flow contained

3ft U-CHANNEL (100YR)
Cross Section for Rectangular Channel

Project Description	
Worksheet	U-Channel
Flow Element	Rectangular Cha
Method	Manning's Formu
Solve For	Channel Depth

Section Data		
Mannings Coeffic	0.013	
Slope	225000	ft/ft
Depth	0.11	ft
Bottom Width	3.00	ft
Discharge	4.20	cfs



Proposed Drainage Easement (100YR)
Worksheet for Irregular Channel

Project Description	
Worksheet	Proposed Drainage Easement (100yr)
Flow Element	Irregular Channel
Method	Manning's Formula
Solve For	Channel Depth

Input Data		
Slope	.004000	ft/ft
Discharge	4.20	cfs

Easement Flow thru wall opening

Options	
Current Roughness Meth	oved Lotter's Method
Open Channel Weighting	oved Lotter's Method
Closed Channel Weightin	Horton's Method

Results		
Mannings Coefficie	0.014	
Water Surface Elev.	0.89	ft
Elevation Range	.42 to 1.89	
Flow Area	1.9	ft²
Wetted Perimeter	10.58	ft
Top Width	10.05	ft
Actual Depth	0.47	ft
Critical Elevation	0.88	ft
Critical Slope	0.005173	ft/ft
Velocity	2.19	ft/s
Velocity Head	0.07	ft
Specific Energy	0.97	ft
Froude Number	0.89	
Flow Type	Subcritical	

MIN. Esmt. width

d_{100}

V_{100}

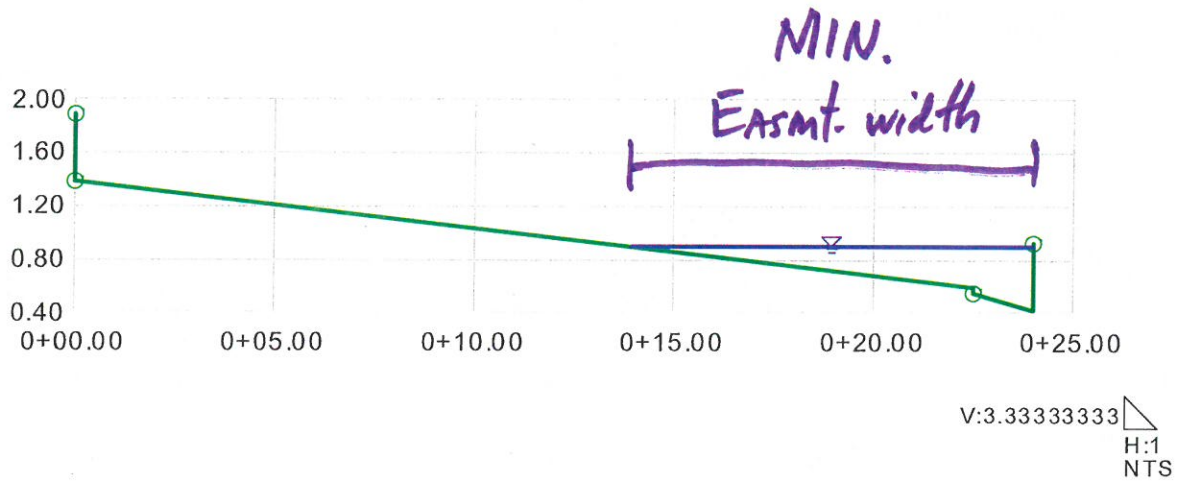
Roughness Segments		
Start Station	End Station	Mannings Coefficient
0+00.00	0+00.00	0.013
0+00.00	0+22.50	0.016
0+22.50	0+24.00	0.013

Natural Channel Points	
Station (ft)	Elevation (ft)
0+00.00	1.89
0+00.00	1.39
0+22.50	0.59
0+22.50	0.55
0+24.00	0.42
0+24.00	0.92

Proposed Drainage Easement (100YR)
Cross Section for Irregular Channel

Project Description	
Worksheet	Proposed Drainage Easeme
Flow Element	Irregular Channel
Method	Manning's Formula
Solve For	Channel Depth

Section Data		
Mannings Coefficier	0.014	
Slope	0.004000	ft/ft
Water Surface Elev.	0.89	ft
Elevation Range	.42 to 1.89	
Discharge	4.20	cfs



COMMENT #2

EMAIL COMMUNICATION

(REGARDING COMMENT #2)

From: Albert Sung
To: Randy Skorpinski
Subject: RE: 21-0768-SDR1 - 824 South Decatur Boulevard (Update for Goal Extended Stay)
Date: Thursday, September 8, 2022 8:09:32 AM
Attachments: image003.png
image004.png
image005.png
image006.png

Randy,

Called you but to no avail!

You are good to go! I'll remove the comment for expanding the wall opening in the next review.

So please go ahead submit your addendum.

Albert Y. Sung
Project Engineer
Public Works Dept. / Flood Control
(702) 229-6541
495 S. Main Street
Las Vegas, NV 89101

lasvegasnevada.gov

Your opinion is important! Click here to take a short survey.

From: Randy Skorpinski <rskorpinski@acg.design>
Sent: Wednesday, September 7, 2022 3:44 PM
To: Albert Sung <YSung@LasVegasNevada.GOV>
Cc: Nathan Jones <njones@acg.design>; Hailey Shinton <hshinton@acg.design>; Andrew Brown <abrown@acg.design>; Samantha Spengler <sspengler@acg.design>
Subject: RE: 21-0768-SDR1 - 824 South Decatur Boulevard (Update for Goal Extended Stay)

Hi Albert,

Have you been able to discuss this with your colleagues in order for us to continue finalizing the addendum?

Thank You,
Randy Skorpinski
Principal Civil Engineer
Architectural Civil Group, LLC
4310 Cameron St., Suite 12-A
Las Vegas, NV 89103
Tel.: 702.448.8737 Ext. 109
www.acg.design

ARCHITECTURAL CIVIL GROUP
www.ACG.design

From: Randy Skorpinski
Sent: Wednesday, September 7, 2022 8:31 AM
To: Albert Sung <ysung@lasvegasnevada.gov>
Cc: Nathan Jones <njones@acg.design>; Hailey Shinton <hshinton@acg.design>; Andrew Brown <abrown@acg.design>; Samantha Spengler <sspengler@acg.design>
Subject: RE: 21-0768-SDR1 - 824 South Decatur Boulevard (Update for Goal Extended Stay)

Hi Albert,

Per your suggestion yesterday concerning the approved drainage study DS4956A, we looked through it and we were not able to find any documentation/correspondence between the "Alpine Apartment Management" and the Engineer or owners of the property concerning the unclogging of the existing block wall openings along their south property.

Thank You,
Randy Skorpinski
Principal Civil Engineer
Architectural Civil Group, LLC
4310 Cameron St., Suite 12-A
Las Vegas, NV 89103
Tel.: 702.448.8737 Ext. 109
www.acg.design

ARCHITECTURAL CIVIL GROUP
www.ACG.design

From: Randy Skorpinski
Sent: Tuesday, September 6, 2022 11:01 AM
To: Albert Sung <ysung@lasvegasnevada.gov>
Cc: Nathan Jones <njones@acg.design>; Hailey Shinton <hshinton@acg.design>; Andrew Brown <abrown@acg.design>; Samantha Spengler <sspengler@acg.design>
Subject: 21-0768-SDR1 - 824 South Decatur Boulevard (Update for Goal Extended Stay)

Hi Albert,

I left you a voicemail on this project concerning your recent comment #2.

Based on the previously approved study (DS4956a) for the subject site, the offsite flow that is conveyed through our property is 4.2 cfs based on the block wall capacity calcs attached. The previously approved study addresses the offsite flow of the apartment complex indicating that the flow is intended to convey south through parcel 138-36-811-000. At the time, concrete was placed within the block wall and previous discussions indicated that the apartment complex would unclog the opening to allow the flow to convey as intended. That is assumed to still be the same case. The flow on our property is only intended to convey the capacity of the opening, which is 4.2 cfs. The previously approved study allowed for the existing 6" x 30" block wall opening to remain with no upgrades required.

Please let me know if this is acceptable to you on this comment. I want to make sure we are in agreement before we resubmit. Thanks Albert.

Thank You,
Randy Skorpinski
Principal Civil Engineer
Architectural Civil Group, LLC
4310 Cameron St., Suite 12-A
Las Vegas, NV 89103
Tel.: 702.448.8737 Ext. 109
www.acg.design

ARCHITECTURAL CIVIL GROUP
www.ACG.design

COMMENT #4

Project: 824 South Decatur Blvd.

Project Number: 210261

Date: September 2022

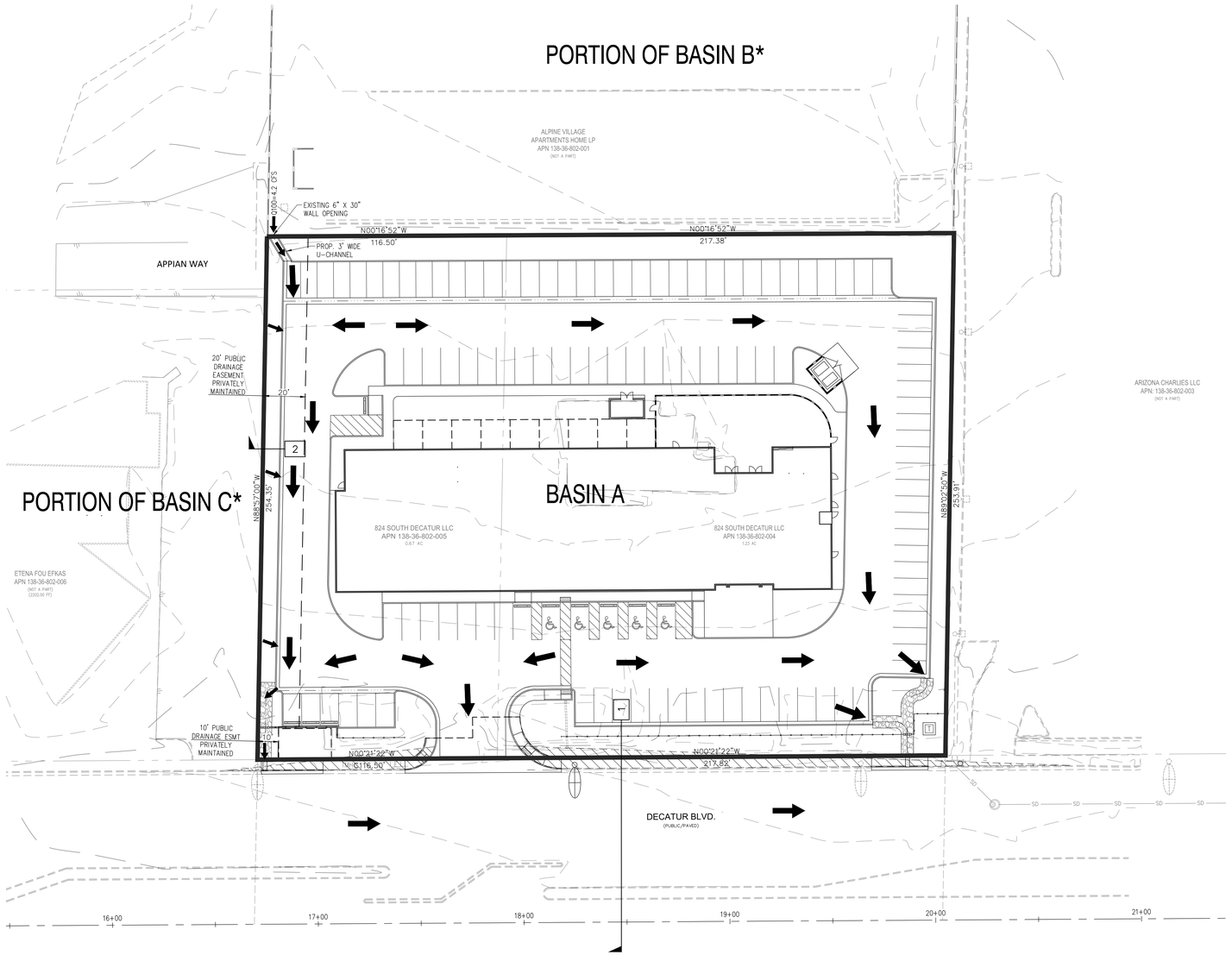
Parking Lot Area Calculations for Water Quality

Onsite Basin Label	Basin Area (acres)	Building Roof Area & Pervious Area (acres)	Parking Lot Area (acres)	W.Q. Approach	Parking Area Bypassing W.Q. Swale (acres)	W.Q. Area Treated (acres)	Notes
A	1.91	0.99	0.92	80ft Riprap Swale	0.00	0.92	flow goes to Decatur Blvd.
Totals --->>>	1.91	0.99	0.92			0.92	

Total Treated Parking Area = 0.92 acres

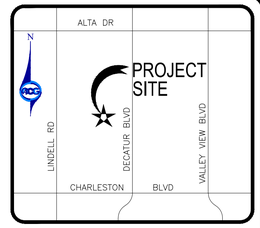
Total Parking Area = 0.92 acres

Hence, approximately 100.0% being treated of the Total Parking Lot Area



ARIZONA CHARLIES LLC
APN: 138-36-802-003
(NOT A PART)

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1" = 30'



VICINITY MAP
NTS

LEGEND

- BASIN BOUNDARY
- SUBBASIN BOUNDARY
- OFF1 — BASIN NAME
- FLOW DIRECTION
- (2555) — EXISTING CONTOURS
- CP1 — COMBINATION POINT
- 1 — FLOWMASTER SECTION

SUMMARY OF PROPOSED CONDITIONS			
BASIN NAME	AREA (AC)	Q_{10} (CFS)	Q_{100} (CFS)
BASIN A	1.90	3	6
BASIN B* (TOTAL)	14.0	18	36
PORTION BASIN B* (THRU EX. 6"X30" OPENING)		N/A	4.2
BASIN C*	2.58	4	7

FLOW CHARACTERISTICS – PROPOSED CONDITION (10 YEAR)						
SECTION NUMBER	FLOW	SLOPE (%)	Q_{10} (cfs)	DEPTH (ft)	VELOCITY (ft/s)	D*V
1	BASINS A+B*+C*	0.39	24	0.49	2.33	1.14

FLOW CHARACTERISTICS – PROPOSED CONDITION (100 YEAR)						
SECTION NUMBER	FLOW	SLOPE (%)	Q_{100} (cfs)	DEPTH (ft)	VELOCITY (ft/s)	D*V
1	BASINS A+B*+C*	0.39	48	0.62	2.61	1.62
2	REFERENCED*	0.40	4.2	0.47	2.19	1.03

*REFERENCED FROM APPROVED TECHNICAL DRAINAGE STUDY FOR 824 DECTAUR BLVD.

REVISIONS			APPROVAL	
REV.	DESCRIPTION	APRVD. BY	DATE	

GOAL EXTENDED STAY

DEVELOPED CONDITION
BASIN MAP

824 SOUTH DECATUR BOULEVARD
LAS VEGAS, NEVADA 89107

ACG DESIGN
4310 CAMERON ST, SUITE 12-A
LAS VEGAS, NEVADA 89103
OFFICE: 702.448.8737
WEBSITE: WWW.ACG.DESIGN

ENGINEER'S SEAL

DATE:	09/19/22
PROJ. NO:	210261
DRAWN BY:	ARB
CHECKED BY:	RAS
SCALE:	AS NOTED
JURISDICTION:	CLV

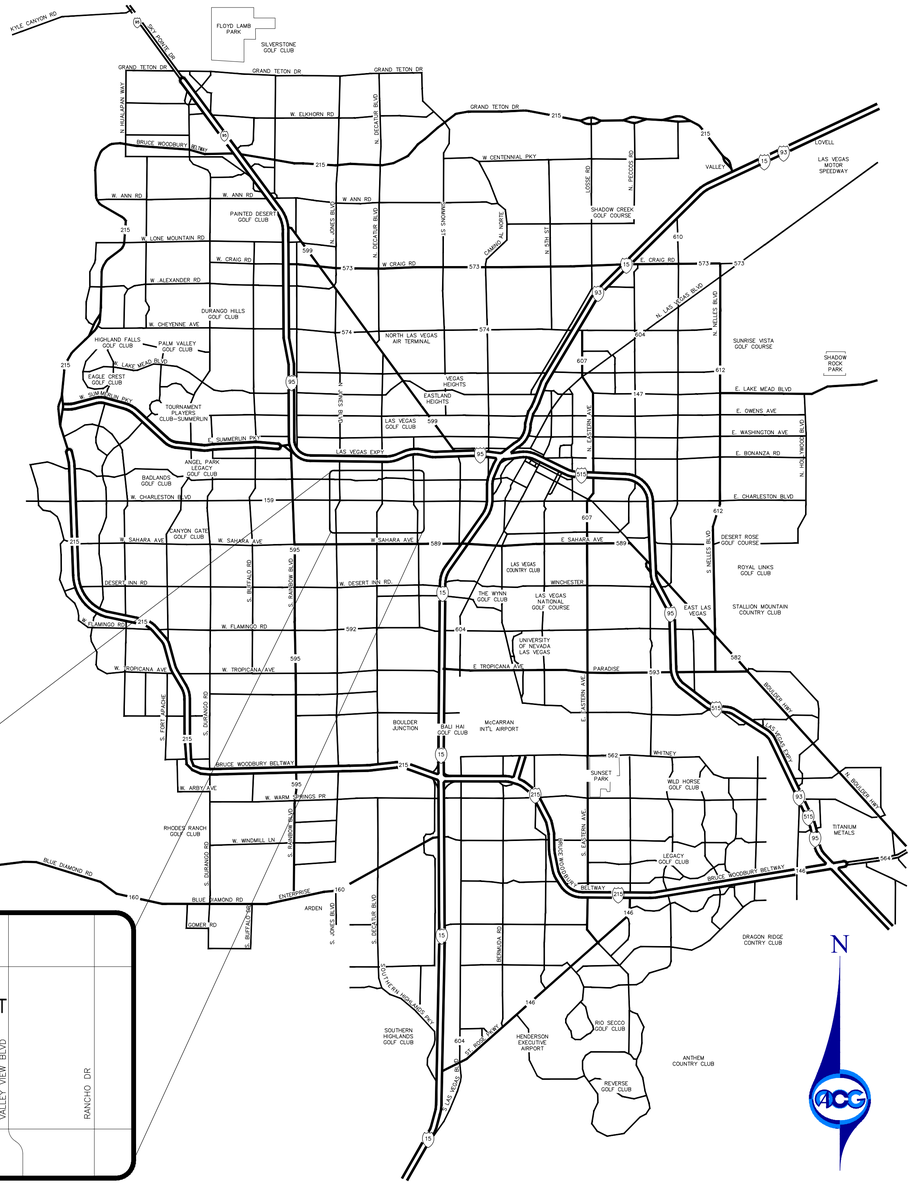
DRAWING NUMBER:
FIG 5

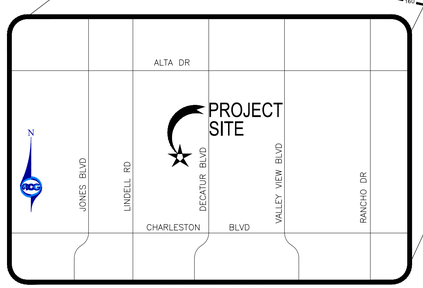
AGENCY NUMBER:

GOAL EXTENDED STAY
CIVIL IMPROVEMENT PLANS

LAS VEGAS, NEVADA 89107
ACRES: 1.90
APN: 138-36-802-004
138-36-802-005

ON-SITE DISTURBED ACREAGE: 1.90 AC
OFF-SITE DISTURBED ACREAGE: 0.00 AC





VICINITY MAP
NTS

ENGINEERING FIRM
ACG DESIGN
NATHAN JONES
4310 CAMERON ST. STE. 12-A
LAS VEGAS, NV 89103
PHONE: (702) 278-2715

OWNER/DEVELOPER
824 SOUTH DECATUR LLC
5243 W. CHARLESTON BLVD
LAS VEGAS, NV 89146

CAUTION TO CONTRACTOR
THE CONTRACTOR SHALL BE RESPONSIBLE TO INVESTIGATE AND VERIFY THE ACTUAL LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND FACILITIES AT LEAST 48 HOURS IN ADVANCE OF THE PERFORMANCE OF ANY WORK.

NOTE
THESE PLANS SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE GOVERNING AGENCY.

ENGINEER TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY.

ACG DESIGN ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS, SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM RECORD INFORMATION AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY THE LOCATIONS AND DEPTHS OF ALL RELEVANT UTILITIES PRIOR TO COMMENCING WITH CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY THE ENGINEER OF WORK, IN WRITING, OF ANY CONFLICTS OR DISCREPANCIES.

BASIS OF BEARINGS
NORTH 01°21'22" WEST, BEING THE BEARING OF THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 36, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.B.&M., CLARK COUNTY NEVADA, AS SHOWN THEREON A RECORD OF SURVEY TITLED "DECATUR BOULEVARD IMPROVEMENTS", RECORDED AT FILE 162, PAGE 61 OF SURVEYS IN THE OFFICE OF THE RECORDER, CLARK COUNTY, NEVADA.

BENCHMARK
CITY OF LAS VEGAS BENCHMARK 1LV01 31SW#6
RIVET & PLATE IN TOP OF CURB
SE NW CORNER OF DECATUR & EVERGREEN PL

ELEVATION (METERS): 669.99
ELEVATION (FEET): 2,198.14 (NAVD 88)

LEGAL DESCRIPTION
LOT NO. THIRTY-TWO (32) IN THE SOUTHEAST QUARTER (SE1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 36, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.B.&M.

SURVEY MONUMENTATION NOTE
OWNER RESPONSIBLE TO PROVIDE SURVEY MOMUMENTATION AS SHOWN AND TO REPLACE ALL SURVEY MOMUMENTATION DAMAGED, DISTURBED, DESTROYED OR OBSCURED DURING CONSTRUCTION.

FLOOD ZONE INFORMATION
AS SHOWN BY FLOOD INSURANCE RATE MAP NO. 32003C1NDOC, DATED NOVEMBER 16, 2011, LOCATED IN UNSHADED ZONE X, AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

SHEET INDEX

DRAWING NO.	DESCRIPTION
C1	COVER SHEET
C2	GENERAL NOTES SHEET 1
C3	GENERAL NOTES SHEET 2
C4	LEGEND & ABBREVIATIONS
C5	DEMOLITION PLAN
C6	HORIZONTAL CONTROL & TRAFFIC CONTROL PLAN
C7	GRADING PLAN
C8	UTILITY PLAN
C9	CROSS SECTIONS
C10	DETAILS

APPROVALS

NV ENERGY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS AND WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NV ENERGY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.

NEVADA POWER COMPANY, A NEVADA CORPORATION D.B.A. NV ENERGY

THE CENTRAL TELEPHONE COMPANY, D.B.A. CENTURYLINK APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUES AND/OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS.

CENTRAL TELEPHONE COMPANY D.B.A. CENTURYLINK

COX COMMUNICATIONS LAS VEGAS, INC.

SOUTHWEST GAS CORPORATION

CLARK COUNTY WATER RECLAMATION DISTRICT

CLARK COUNTY WATER RECLAMATION DISTRICT

CCWRD PIPES # XXX
SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY WATER RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS.

COUNTY OF CLARK FIRE DEPARTMENT APPROVED

BY:_____ DATE:_____

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.
ADJUSTED FIRE FLOW XXX AT 20 P.S.I. RESIDUAL.

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO._____ FIRST APPROVED DATE:_____
LVVWD APPROVED FIRE FLOW: TOTAL 2,000 GPM/ONSITE 1,500 GPM
SHEETS C1 – C4, C5, C8 & C10

ENGINEER'S SEAL

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEVADA.

LICENSE # 14985

9/21/2022
DATE

REVISIONS			
REV.	DESCRIPTION	APRVD. BY	DATE
APPROVAL			

GOAL EXTENDED STAY

COVER SHEET

824 SOUTH DECATUR BOULEVARD
LAS VEGAS, NEVADA 89107

ACG DESIGN
4310 CAMERON ST. SUITE 12-A
LAS VEGAS, NEVADA 89103
OFFICE: 702.448.8737
WEBSITE: WWW.ACG.DESIGN

ENGINEER'S SEAL

9/21/2022

DATE:	9/19/2022
PROJ. NO:	210261
DRAWN BY:	ARB
CHECKED BY:	RAS
SCALE:	AS NOTED
JURISDICTION:	CLV

DRAWING NUMBER:
C1
SHEET 1 OF 10

AGENCY NUMBER:

Z:\PROJECTS_CURRENT\COMMERCIAL CLIENTS\824 S DECATUR LLC\210261-DECATUR SUITES EXTENDED STAY\ENGINEERING\CIVIL DRAWINGS\IMPROVEMENT PLANS\210261_C1_C4-CV.DWG 9/19/2022 2:09 PM

CITY OF LAS VEGAS GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".

2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE'S WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.

3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.

4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.

5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.

6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.

7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300'IN EXTRUDED-TYPE CURB.

8. AC PAVEMENT TO BE ONE-HALF INCH (½") ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.

9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.

10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.

11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.

12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE (COMPANY , _ REPORT #, DATE) APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.

13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.

14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.

15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.

WALL NOTES:

16. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.

17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.

18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.

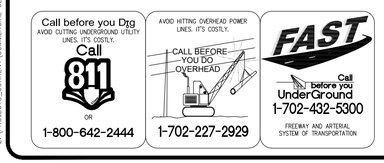
19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC, THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.

21. AFTER HAUNCHING AND PRIOR TO BACKFILL OPERATIONS WHICH WOULD COVER SANITARY SEWER AND STORM DRAIN FACILITIES, CONTRACTOR IS REQUIRED TO SCHEDULE CLV OPEN-TRENCH UTILITY SURVEY INSPECTION FOR DETERMINATION OF FINAL LOCATION COORDINATES. FACILITIES TO BE LOCATED BY CLV SHALL INCLUDE AT A MINIMUM THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLE, STORM DRAIN MANHOLES AND TRANSITION STRUCTURES, STORM DRAIN LATERALS AND THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS.

22. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST ADDITION.

23. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.



NOTICE TO CONTRACTOR

1. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR SHALL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONALS HARMLESS FROM ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

2. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

3. THE EXISTENCE AND APPROXIMATE LOCATION OF ANY UNDERGROUND FACILITIES SHOWN HEREON WERE OBTAINED FROM A SEARCH OF AVAILABLE RECORDS. THERE MAY, HOWEVER BE EXISTING UTILITIES NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT THE UTILITIES OR STRUCTURES SHOWN HEREON AND ANY OTHER NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

4. 14 GAUGE SOLID COPPER WIRE FOR LINE LOCATION SHALL BE REQUIRED OVER ALL SERVICE LATERALS NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH UDACS PLATE No. 27.

5. SEE PLAN AND PROFILE AND MASTER UTILITY SHEETS FOR COMPLETE WATER AND SEWER DESIGN.

6. CONTRACTOR SHALL BE RESPONSIBLE FOR DUST AND EROSION CONTROL DURING CONSTRUCTION.

7. SEE LANDSCAPE PLANS FOR LANDSCAPING. (SEE ARCH PACKAGE- COMPLETED BY OTHERS)

CITY OF LAS VEGAS GRADING NOTES

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.

2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.

3. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.

4. THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.

5. THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.

6. CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

	HORIZONTAL	VERTICAL	COMPACTION
A. PAVEMENT AREA SUBGRADE	0.1'+	+0.0'TO	-0.1'SEE SOILS REPORT
B. ENGINEERED FILL	0.5'+	+0.1'TO	-0.1'SEE SOILS REPORT

COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE.

7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.

8. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.

9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.

10. IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

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.

CITY OF LAS VEGAS TRAFFIC NOTES

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.

2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.

3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.

4. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCROACHED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.

5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL BE FABRICATED WITH DIAMOND GRADE VIP CLASS 6 REFLECTIVE SHEETING OR APPROVED EQUAL. ALL NEW TRAFFIC SIGNS, EXCEPT STREETNAME AND SCHOOL SPEED LIMIT SIGNS, SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM; SCHOOL ZONE SIGNS SHALL HAVE 3M SERIES 1150 ANTI-GRAFFITI PROTECTIVE OVERLAY FILM. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.

7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5') FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.

8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.

9. STREET SIGNS AND STOPS SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.

10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO INSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR IMSA WORK ZONE SAFETY SPECIALIST SET UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHT OF WAY.

11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T.) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.

13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 828-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.

14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS OTHERWISE DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.

15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECT'S OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

CITY OF LAS VEGAS SEWER NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS"CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.

2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.

3. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.

4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.\

5. ALL MANHOLES PAVED IN STREETS EIGHTY (80') FOOT R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY (80') FOOT R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.

6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" 'S SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.

7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCH (18") UNDER A WATER MAIN.

8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A"CONTRACTORS.

9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.

10. INSTALLATION OF CURVED SEWER REQUIRES THE USE OF C-900 PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

CITY OF LAS VEGAS STREETLIGHT NOTES

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION (USS), AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA" (USD), LATEST REVISION.

2. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS, ETC., LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF TRAFFIC ENGINEERING AND THE CITY ENGINEER. ANY DEVIATION FROM THE PLAN LOCATION WILL REQUIRE COMPLIANCE WITH SECTION 623 OF THE USS.

3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION IN ACCORDANCE WITH SECTION 623 G.03.01 OF THE USS..

4. ALL EMPTY CONDUIT SHALL HAVE AT LEAST ONE GREEN #8 AWG WIRE INSTALLED AS TRACER WIRE IN ACCORDANCE WITH SECTION 623 G.02.01 OF THE USS PRIOR TO BACKFILLING AND FINAL INSPECTION.

5. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN ACCORDANCE WITH THE USD NO. 320A WHEN POLE IS INSTALLED BEHIND SIDEWALK, AND SHALL AT NO TIME COMPLETELY ENCLOSE THE STREET LIGHTING POLE.

6. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TRAFFIC ENGINEERING DIVISION PRIOR TO ANY PRE-FINAL INSPECTION. THE AS-BUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.

7. SERVICE POINT SHALL BE COORDINATED WITH NV ENERGY COMPANY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICE POINTS SHALL BE SHOWN ON THE CIVIL PLANS.

8. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREETLIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED BEFORE STREETLIGHT BASES ARE INSTALLED. AT NO EXPENSE TO THE CITY OF LAS VEGAS.

9. THE CONTRACTOR SHALL FURNISH COMPLETE CONDUIT, WIRE, ETC., FROM SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON PLANS.

REVISIONS			APPROVAL	
REV.	DESCRIPTION	APRVD. BY	DATE	

GOAL EXTENDED STAY

GENERAL NOTES
SHEET 1

824 SOUTH DECATUR BOULEVARD
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C2
SHEET 2 OF 10

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Z:\PROJECTS_CURRENT\COMMERCIAL CLIENTS\624 S DECATUR LLC\210261-DECATUR SUITES EXTENDED STAY\ENGINEERING\CIVIL DRAWINGS\IMPROVEMENT PLANS\210261_C1_C4-CVDWG 9/19/2022 2:09 PM

LAS VEGAS FIRE & RESCUE PREVENTION GENERAL NOTES FOR HYDRANTS AND ACCESS

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE #6631 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS.
2. ONLY FIRE HYDRANTS THAT ARE ON THE LAS VEGAS VALLEY WATER DISTRICT'S -APPROVED PRODUCTS LIST ARE ALLOWED TO BE INSTALLED.
3. A PERMIT IS REQUIRED FROM LAS VEGAS FIRE AND RESCUE FOR THE INSTALLATION OF ON-SITE WATER LINES AND FIRE HYDRANTS. THE PERMIT AND CONTRACTORS MATERIAL TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK. IFC § 105.6.15
4. ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATIONS, FIRE HYDRANTS SHALL BE INSTALLED AND FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED BEFORE COMMENCEMENT OF ANY COMBUSTIBLE CONSTRUCTION. ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW. IFC § 3310, § 3312
5. TO IDENTIFY THE FIRE HYDRANT LOCATIONS, THE CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT THE CENTER LINE OF THE STREET ADJACENT TO THE FIRE HYDRANTS. IFC § 507.5.7.3
6. ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES, SHALL BE CONDUCTED BEFORE COVERING THE LINES. CENTER LOADING IS ACCEPTABLE FOR THE HYDRO TESTS WITH PRIOR FIRE PREVENTION APPROVAL. IFC § 106.3
7. ALL ON-SITE UNDERGROUND WATER MAINS AND MATERIALS SHALL BE U.L. LISTED, A.W.W.A APPROVED AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE. IFC § 507.2.1, NFPA 24
8. PAINTING OF CURBS, FIRE HYDRANTS, PADS, PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, AND ALL OTHER WORK NECESSARY PER PLANS SHALL BE COMPLETED BEFORE APPROVAL BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION. IFC § 507
9. PRIVATE HYDRANTS SHALL BE PAINTED RED. IFC § 507.5.7.1
10. PRIOR TO THE FINAL OCCUPANCY, A FIRE FLOW TEST SHALL BE WITNESSED BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW. IFC § 507
11. FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: IFC § C102
    - RESIDENTIAL -500 FT UNSPRINKLERED; 600 FT SPRINKLERED.
    - COMMERCIAL -300 FT UNSPRINKLERED; 400 FT SPRINKLERED.
12. WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT A MAXIMUM OF 1000 FT SPACING, TO PROVIDE FOR TRANSPORTATION HAZARDS. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR (4) OR MORE TRAFFIC LANES AND HAVE A TRAFFIC COUNT OF MORE THAN 30,000 PER DAY, HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACED AT 500 FT ON AN ALTERNATING BASIS. IFC § C102.8
13. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE RADIUS OF A CUL-DE-SAC OR WITHIN 20 FT OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
14. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FT OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION. IFC § C102.10
15. A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FT, AS MEASURED BY AN APPROVED ROUTE. IFC § C102.4
16. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FT, AS MEASURED BY AN APPROVED ROUTE. IFC § C102.7
17. THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FT. IFC § C102.6
18. TWO (2) SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE IS 4 OR MORE FIRE HYDRANTS/SPRINKLER LEAD-INS ARE INSTALLED ON A SINGLE SYSTEM. FOR SYSTEMS REQUIRED TO HAVE TWO (2) SOURCES OF WATER SUPPLY, SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS AND/OR FIRE SPRINKLER LEAD-INS CAN BE OUT OF SERVICE DUE TO A SERVICE INTERRUPTION. FOR SYSTEMS PERMITTED TO HAVE ONE SOURCE OF WATER SUPPLY, SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 3 FIRE HYDRANTS AND/OR FIRE SPRINKLER LEAD-INS CAN BE OUT OF SERVICE DUE TO A SERVICE INTERRUPTION. IFC § C104
19. ALL FIRE APPARATUS ACCESS ROADS SHALL BE PAVED TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES, AND SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF THE FIRE APPARATUS. IFC § 503.2.3
20. THE GRADIENT FOR THE FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 12%. ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6% FOR 25 FT PRIOR TO OR AFTER THE GRADE CHANGE. ADJACENT TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6%. IFC § 503.2.7, § 503.2.8
21. THE TURNING RADIUS OF THE FIRE APPARATUS ACCESS ROADS SHALL BE NO LESS THAN 52 FT OUTSIDE AND 28 FT INSIDE TURNING RADIUS. IFC § 503.2.4
22. VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL NOT BE LESS THAN 13FT 6 INS. IFC § 503.2.1
23. FIRE DEPARTMENT ACCESS ROADS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 33 FT WITH PARKING ON BOTH SIDES MEASURED TO FACE OF CURB. NOT LESS THAN 28 FT WIDE WITH PARKING RESTRICTED TO ONE SIDE MEASURED TO FACE OF CURB. NOT LESS THAN 24 FT WIDE WITH NO PARKING ON EITHER SIDE MEASURED TO FACE OF CURB. FIRE LANES THROUGH PARKING LOTS SHALL BE NOT LESS THAN 24 FT. IFC § 503.2.1.1
24. A FIRE APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FT FROM A FIRE DEPARTMENT VEHICLE ACCESS. IFC § 503.1.1
25. APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 200 OR MORE DWELLING UNITS, ROAD(S) WITH DEAD-ENDS OR A SINGLE POINT OF ACCESS IN EXCESS OF 600 FT. CLV REGULATION AND MOU
26. ALL DEAD-END FIRE APPARATUS ROADS AND/OR FIRE LANES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FT IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND HAVING A MINIMUM DIAMETER OF 81 FT. CLV REGULATION
27. ALL FIRE APPARATUS ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LANE, ONE SIGN AT THE END OF THE FIRE LANE AND WITH SIGNS AT INTERVALS OF 100 FT ALONG THE DESIGNATED FIRE LANES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FT OR LESS THAN 6 FT FROM THE ROADWAY LEVEL. THE CURB ALONG OR ON THE PAVEMENT OR CEMENT (IF NO CURB IS PROVIDED) SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS. IFC § 503.3
28. ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. IFC § 503.6
29. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS, OR HAVING FOUR OR MORE TRAVEL LANES AND A TRAFFIC COUNT OF MORE THAN 30,000 VEHICLES PER DAY, ALL HYDRANTS BEING UTILIZED TO DELIVER FIRE FLOW TO THE PROPOSED LOCATION SHALL BE LOCATED ON THE SAME SIDE OF THE STREET AS THE PROPOSED DEVELOPMENT. CLV REGULATION

LAS VEGAS VALLEY WATER DISTRICT (LVVWD) STANDARD NOTES:

LVVWD PROJECT # _______ .

REVISED 10/18/2021

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.
2. ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS). THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.
3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
8. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.
9. ALL WATER FACILITIES AND APPURTENANCES SHALL BE DISINFECTED, PRESSURE TESTED AND HAVE AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO OPERATION AND USE.
10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.
11. ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01, AND APPROVED BY THE LVVWD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
12. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD APPROVED PRODUCTS LIST FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS BY SUBMITTING SHOP DRAWINGS.
13. TELEPHONE USA NORTH 811 "CALL BEFORE YOU DIG" AT "811" OR 1-800-642-2444.
14. THE INSTALLATION OF LAS VEGAS VALLEY WATER DISTRICT (LVVWD) MUNICIPAL WATER FACILITIES WITHIN ALL STREETS IS ASSUMED TO BE IN COMPLIANCE WITH THE UNIFORM STANDARDS, INCLUDING THE PLACEMENT OF ASPHALT PAVING STREET SURFACES. ANY REPAIR WORK DONE BY THE LVVWD TO THE MUNICIPAL WATER FACILITIES WILL INCLUDE THE PLACEMENT OF AN APPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE.

    ANY DECORATIVE PAVING SURFACE WITHIN THE STREET IS THE RESPONSIBILITY OF THE OWNER'S ASSOCIATION, OR THE INDIVIDUAL PROPERTY OWNERS IF NO OWNER'S ASSOCIATION IS IN EXISTENCE, OR THE AGENCY HAVING JURISDICTION. DECORATIVE SURFACE MATERIALS PLACED WITHIN THE TEN FOOT EASEMENT ABUTTING A PUBLIC OR PRIVATE STREET, IF DISTURBED BY THE LVVWD DURING THE REPAIR OR OPERATION OF ITS FACILITIES, WILL BE REPLACED BY LVVWD WITH AN APPROPRIATELY SIZED PLAIN FINISH CONCRETE PATCH. THE LVVWD WILL NOT RESTORE, AND WILL NOT BE RESPONSIBLE FOR THE RESTORATION OF ANY DECORATIVE PAVING SURFACE WITHIN THE STREET. THE LVVWD WILL NOT ATTEMPT TO MATCH COLOR OR FINISH OF ANY ADJACENT MATERIALS.
15. NO LEAD COMPLIANCE NOTE:
    TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, ALL WATER WORKS BRASS PRODUCTS PROPOSED TO BE RELOCATED, OR INSTALLED AS NEW MUST BE INSTALLED WITH THE LEAD FREE APPROVED PRODUCT. THE OLD LEADED PRODUCT MAY NOT BE REUSED.
16. PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE PER UDACS PLATES. ALL LVVWD FACILITES SHALL BE ACCESSIBLE AT ALL TIMES.
17. DRY UTILITY NOTES: MAINTAIN A MINIMUM 12" VERTICAL SEPARATION AT ALL POINTS OF CROSSINGS. MAINTAIN A MINIMUM 3' PARALLEL SEPARATION.

SOUTHWEST GAS CORPORATION GENERAL NOTES

1. IN THE EVENT OF NATURAL GAS EMERGENCIES CALL 911 AND 1-877-860-6020.
2. MINIMUM HORIZONTAL AND VERTICAL CLEARANCE BETWEEN NATURAL GAS FACILITIES AND ANY UNDERGROUND UTILITIES AND/OR STRUCTURES, INCLUDING BUT NOT LIMITED TO WATER, SEWER, STORM DRAIN, COMMUNICATIONS, AND ELECTRIC SHALL BE AT LEAST 12-INCHES OR GREATER AS DICTATED BY LOCAL CODES AND STANDARDS.
    (a) ANY DEVIATION FROM SPECIFIED MINIMUM CLEARANCES MUST BE APPROVED BY ALL AFFECTED UTILITIES AND/OR MUNICIPALITIES.
3. FOR VALVE ADJUSTMENT CONTACT (702)528-7881 14 DAYS PRIOR TO CONSTRUCTION.
4. IN THE EVENT OF A NATURAL GAS CONFLICT WITH PROPOSED UTILITIES AND STRUCTURES CONTACT (702)365-2099.
5. FOR STANDBY WHEN EXCAVATING (INCLUDING SAW CUTTING AND PAVEMENT REMOVAL) OVER OR NEAR HIGH PRESSURE GAS LINES CONTACT 702-278-8451 48 HOURS PRIOR TO CONSTRUCTION.

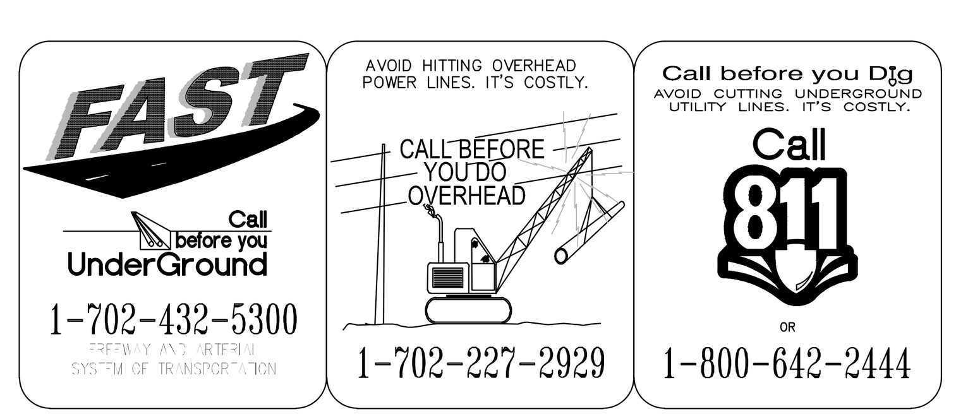
ALL CIVIL IMPROVEMENT PLANS MUST INCLUDE SOUTHWEST GAS CORPORATION HIGH PRESSURE NOTES ON ALL SHEETS DEPICTING HIGH PRESSURE NATURAL GAS MAINS AS INDICATED BELOW:

CAUTION: HIGH PRESSURE GAS!!!
CALL SOUTHWEST GAS AT (702)278-8451 FOR STANDBY WHEN EXCAVATING (INCLUDING SAW CUTTING AND PAVEMENT REMOVAL) OVER OR NEAR HIGH PRESSURE GAS LINES 48 HOURS PRIOR TO CONSTRUCTION.

REVISED 09/08/2020

DEVIATIONS:

- NONE



CITY OF LAS VEGAS TRAFFIC SIGNAL NOTES (LD)

1. ALL WORK PERFORMED ON ANY TRAFFIC SIGNAL COMPONENT MUST BE UNDER THE DIRECT ON-SITE SUPERVISION OF AN IMSA CERTIFIED TECHNICIAN. THE LEVEL OF CERTIFICATION REQUIRED SHALL BE LEVEL II.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL EXISTING UTILITIES. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES TO VERIFY IN THE FIELD THE LOCATIONS OF THEIR INSTALLATIONS 72 HOURS PRIOR TO CONSTRUCTION. CALL-BEFORE-YOU-OVERHEAD 1-702-227-2929 CALL-BEFORE-YOU-DIG 1-800-227-2600 STREETLIGHTS 1-702-229-6331 F.A.S.T. 1-702-432-5300
3. ALL TRAFFIC SIGNAL INSTALLATIONS SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS SPECIFICATIONS AND SPECIAL PROVISIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, VOLUMES I AND II, ADOPTED BY THE REGIONAL TRANSPORTATION COMMISSION APRIL 8, 1992 WITH ALL SUBSEQUENT REVISIONS. BRACKET MOUNTED (SIDE-MOUNTED) VEHICLE SIGNAL ASSEMBLIES WITH 2 OR MORE SIGNAL HEADS SHALL HAVE AN ADDITIONAL ELBOW AS SHOWN IN UNIFORM STANDARD DRAWING NUMBER 863 AND SHOWN AS OPTION B IN UNIFORM STANDARD DRAWING NUMBER 844, AND SHALL HAVE A MENERALLAC SUPPORT AS SHOWN IN UNIFORM STANDARD DRAWING NUMBER 863 IF ONE OF THE SIGNAL HEADS CONTAINS 4 OR MORE SIGNAL MODULES.
4. SERVICE SHALL HAVE 1-60 AMP SINGLE POLE BREAKER FOR SIGNAL, AND ONE 40 AMP SINGLE POLE BREAKERS FOR STREET LIGHTS. SERVICE SHALL BE 200 AMP PADMOUNT AND SHALL HAVE A CAPACITY OF 20 OR 24 CIRCUITS.
5. LINE SIDE OF METER TO BE WIRED WITH THREE #3/0 AWG THW. LOAD SIDE SHALL BE WIRED WITH FOUR #4 AWG THW (2 BLACK, 2 WHITE) AND ONE #8 AWG THW (GREEN).
6. LUMINAIRES ON ALL SIGNAL POLES SHALL BE L.E.D. AS APPROVED BY THE CITY OF LAS VEGAS (CLV). DESIGN PROFESSIONAL AND CONTRACTOR SHALL VERIFY CITY'S LATEST LED FIXTURE SPECIFICATIONS AND APPROVED FIXTURES PER CLV WEBSITE, UNDER BUILDING AND SAFETY FORMS, PRIOR TO ORDERING MATERIALS. INTERSECTION LIGHTING SHALL MEET THE REQUIREMENTS OF UNIFORM STANDARD DRAWING NUMBER 300.S3. EACH LUMINAIRE SHALL HAVE AN INDIVIDUAL 1000 WATT P.E. CONTROL. FOR LUMINAIRES THERE SHALL BE 2(TWO)-#4 AWG THW CONDUCTORS FROM THE SERVICE TO THE CABINET. IN THE CABINET, THE #4 AWG THW CONDUCTORS SHALL BRANCH OFF INTO #10 AWG THW CONDUCTORS INDIVIDUALLY FUSED WITH 10 AMP FUSES. THERE SHALL BE NO SPLICES BETWEEN THE CABINET AND LUMINAIRE FIXTURES.
7. LUMINAIRES SHALL BE MARKED TO INDICATE INSTALLATION ORIENTATION, AND SHALL HAVE EXTERNAL LABELS PER ANSI C136.15 THAT INDICATE WATTAGE AND ARE CLEARLY VISIBLE FROM STREET LEVEL. TRAFFIC SIGNAL LUMINAIRES INSTALLED ADJACENT TO RESIDENTIAL HOUSING SHALL BE INSTALLED WITH MANUFACTURER PROVIDED HOUSE-SIDE SHIELDS.
8. THE INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE WIRED TO THE LUMINAIRES PHOTO CELL FOR CONTROL WITH #10 AWG THW COPPER STRANDED WIRE (TYPICAL). THE SIGN SHALL BE WIRED TO THE LUMINAIRE DIRECTLY ABOVE IT. IN THE EVENT THERE IS NO LUMINAIRE ON THE TRAFFIC SIGNAL POLE, THE 1000 WATT P.E. CONTROL SHALL BE MOUNTED ON THE POLE CAP. ALL NEW ILLUMINATED STREET NAME SIGNS SHALL HAVE LIGHT EMITTING DIODE (LED) LAMPS PER SECTION 623 T.02.16 OF THE SPECIAL PROVISIONS.
9. CHECK CONDUIT AND CABLE SCHEDULE FOR CONDUIT, CABLE, AND WIRE SIZE. VERIFY ALL EXISTING CONDUIT RUNS.
10. ALL PULLBOXES SHALL BE IN ACCORDANCE WITH UNIFORM STANDARD DRAWINGS NO. 705, NO. 706, AND NO. 707.
11. TRAFFIC SIGNAL CABLE SHALL BE 15 OR 25 CONDUCTOR #14 AWG SOLID (TYPICAL) CABLE AND SHALL CONFORM TO IMSA SPEC. NO. 20-1.
12. PEDESTRIAN PUSH BUTTONS SHALL BE AUDIBLE TACTILE "POLARA iNAVIGATOR" TYPE (2-WIRE PEDESTRIAN PUSHBUTTON SYSTEM WITH iN2 PUSH BUTTON STATIONS AND SHELF-MOUNT BIU CONTROL UNIT WITH SDLC CABLE) IN ACCORDANCE WITH CITY OF LAS VEGAS SPECIAL PROVISIONS AND SECTION 623 OF THE CCA USS. PUSH BUTTON SIGNS SHALL BE R10-3e PER MUTCD, 2009 EDITION, WITH FULL MOUNTING BRACKETS, AS MODIFIED BY THE MANUFACTURER TO FIT ON A 9 "X12 "SIGN, AND SHALL BE PORCELAIN-ENAMELED METAL. ALL PUSH BUTTONS TO BE MOUNTED 42" ABOVE SIDEWALK. THE MAXIMUM HORIZONTAL REACH DISTANCE IS TO BE 10". SIDEWALK RAMPS WILL BE ACCORDING TO U.S.D. No. 235 (1-4) LATEST EDITION. WHEN AN EXISTING SIGNAL WITH EXISTING AUDIBLE-TACILE PUSH BUTTONS IS MODIFIED, THE CONTRACTOR SHALL VERIFY NEW PEDESTRIAN PUSH BUTTONS OR CABINET EQUIPMENT MATCHES THE MANUFACTURE AND MODEL OF ANY EXISTING EQUIPMENT SCHEDULED TO REMAIN, TO PROVIDE A FULLY FUNCTIONING SYSTEM. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL CABINET EQUIPMENT, INCLUDING THE PEDESTRIAN PUSH BUTTON CONTROL UNIT, INTERFACE PANEL AND ANY REQUIRED HARNESSES, TO PROVIDE A FULLY FUNCTIONING SYSTEM.
13. THE ROUTING AND TERMINATION OF CONDUITS AND THE PLACING OF POLES AND CABINETS SHALL BE AS INDICATED ON THE PLANS. ALL CHANGES SHALL BE APPROVED BY THE ENGINEER.
14. MAST ARM R10-12 SIGNS TO BE ADJACENT (NO GAP) TO THE M-5 SIGNAL HEAD. WHERE FLASHING YELLOW ARROW LEFT TURN SIGNALS ARE USED, A MAST ARM R10-12F "LEFT TURN YIELD ON FLASHING YELLOW ARROW "SIGN SHALL BE MOUNTED ADJACENT TO THE M-4 SIGNAL HEAD.
15. TRAFFIC SIGNAL CABINET SHALL BE A TYPE VIII CABINET UNLESS OTHERWISE SPECIFIED IN THE PLANS. THIS IS COMMONLY REFERRED TO AS AN "R" CABINET. THE CABINET SHALL CONFORM TO THE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS AND THE CITY OF LAS VEGAS SPECIAL PROVISIONS AND SHALL BE A NEMA TS2-TYPE2 CABINET. INSTALL CABINET NEAR THE R.O.W. LINE OR AS SHOWN ON THE DRAWINGS. THE TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE EQUIPPED WITH 16 LOAD BAY POSITIONS AND SHALL BE A 64 DETECTOR CHANNEL R CABINET WITH RACK-MOUNTED DETECTION. THE CABINET SHALL CONTAIN A 764 OPTICOM PHASE SELECTOR, WITH A 768 AUXILIARY INTERFACE PANEL MOUNTED IN THE CABINET AND FULLY WIRED FOR GREEN SENSE CAPABILITIES. THE CABINET SHALL BE EITHER: MODEL R-44 CAB, TS2-2, LAS VEGAS, 64CH DET, PART # M73650 FROM MCCAIN, INC.; MODEL MOBOTREX LAS VEGAS TS2-TYPE2 16 POS., 64 CH. DET, DRAWING # TF4216TLV01 REV 3 FROM SIERRA TRANSPORTATION AND TECHNOLOGIES; OR MODEL TS2-2 HW 16 POSITION HORIZONTAL CITY OF LAS VEGAS CABINET, PART # 34413G12-02-06 FROM ECONOLITE CONTROL PRODUCTS, INC. ALL CABINETS SHALL BE PROVIDED WITH A COMPLETE SET OF FOUR BUS INTERFACE UNITS, POWER SUPPLY AND SDLC CABLES TO PROVIDE A FULLY FUNCTIONING SYSTEM. CABINET POWER SUPPLIES SHALL BE RENO A&E MODEL CPS-TS2-LED, PEEK MODEL PS101, OR ECONOLITE PS-200. BIU 'S SHALL BE RENO A&E MODEL 1240, PEEK MODEL BUS INTERFACE UNIT 82-1886-01, OR ECONOLITE PART # 160-1018-501.
16. THE CONTRACTOR SHALL SUPPLY A MALFUNCTION MANAGEMENT UNIT (MMU) AND TRAFFIC SIGNAL CONTROLLER TO THE CITY OF LAS VEGAS TRAFFIC SIGNAL REPAIR SHOP A MINIMUM OF FOURTEEN DAYS PRIOR TO SIGNAL TURN-ON OR PRIOR TO CONVERTING TO A NEW PHASING SCHEME, FOR TESTING AND PROGRAMMING PURPOSES. THE CONTROLLER SHALL BE A NAZTEC 980 ATC TS2 TYPE 2 NTCIP COMPLIANT SIGNAL CONTROLLER WITH INTSTALLED AND LICENSED APOGEE CONTROLLER SOFTWARE, LATEST VERSION, AND THE MMU SHALL BE A MODEL MMU-1600GE AS MANUFACTURED BY RENO A&E., OR APPROVED EQUAL. THE CONTRACTOR SHALL DELIVER THE CONTROLLER AND MMU TO AND PICKUP THE CONTROLLER AT 2985 RONEMUS DRIVE. CONTRACTOR SHALL NOTIFY TRAFFIC ENGINEERING FIELD OPERATIONS (702-229-6331) SEVEN DAYS PRIOR TO PICK UP. THE CITY, AT ITS DISCRETION, MAY PROVIDE A DIFFERENT MODEL MMU FOR INITIAL TURN-ON, IN WHICH CASE CITY PERSONNEL WILL SWAP THE MMU AFTER THE PROJECT IS ACCEPTED.
17. CONTRACTOR SHALL POTHOLE SIGNAL POLE LOCATIONS PRIOR TO ORDERING OF POLES.
18. ALL MAST ARMS TO BE HOT-DIP GALVANIZED BY THE MANUFACTURER THE MAST ARM IS TO BE FABRICATED WITH END TENON ONLY. THE END TENON SHALL BE FACTORY INSTALLED AND THE REMAINING TENONS SHALL BE FABRICATED IN THE FIELD AT THE LOCATION SHOWN ON THE PLANS OR AS DIRECTED BY THE TRAFFIC ENGINEER AND/OR HIS AUTHORIZED REPRESENTATIVE. FOR TENON FABRICATION DETAILS SEE CLARK COUNTY AREA U.S.D. NO. 808 SHEET 2. ALL WELDING SHALL CONFORM TO AWS D 2.0, "SPECIFICATION FOR WELDED HIGHWAYS AND RAILWAY BRIDGES," AND TO ANY ADDITIONAL REQUIREMENTS OF SECTION 623 OF THE SPECIFICATIONS. ALL EXPOSED WELDS, SHALL BE PAINTED AS PROVIDED FOR REPAIRING DAMAGED GALVANIZED SURFACES.
19. ALL VEHICLE AND PEDESTRIAN SIGNAL INDICATIONS SHALL HAVE LIGHT EMITTING DIODE (LED) TYPE INDICATIONS, IN CONFORMANCE TO CITY OF LAS VEGAS SPECIAL PROVISIONS AND TO SECTION 623 OF THE CCA USS. ALL PEDESTRIAN SIGNAL FACES SHALL PROVIDE "WALKING PERSON", "HAND", AND "COUNTDOWN"MESSAGES AS PROVIDED BY DURALIGHT MODEL #JXM-400-VIEIL OR DIALIGHT MODEL #430-6479-001X, OR APPROVED EQUAL. THE "COUNTDOWN "MESSAGE SHALL NOT FLASH. WHERE EXISTING SIGNALS ARE MODIFIED, THE CONTRACTOR SHALL VERIFY THAT LED PEDESTRIAN INDICATIONS FOR A SPECIFIC PHASE ARE OF THE SAME MANUFACTURE SO THAT THEY FUNCTION CORRECTLY, OR SHALL REPLACE ALL COUNTDOWN PEDESTRIAN INDICATIONS FOR THAT PHASE.
20. VIDEO DETECTION SYSTEMS SHALL BE TS2 COMPATIBLE AND SHALL INPUT DETECTOR CALLS TO THE CONTROLLER THROUGH AN SDLC CABLE. SYSTEMS WILL BE EITHER ITERIS EDGE 2-1IN PROCESSORS WITH VRACK5-PS, EDGE2-TS2-IM-PAK AND EDGECONNECT PAK, (IP ADDRESSABLE); PEEK VIDEOTRAK IQ (WITH ETHERNET PORT AND SDLC); ECONOLITE AUTOSCOPE VISION SYSTEM WITH COMM MANAGER AND MINI DETECTION PROGRAMMING KIT MOUNTED IN THE CABINET; OR TRAFICON VIP WITH VIEWCOM (IP ADDRESSABLE) AND PIM (SDLC). WHEN VIDEO DETECTION IS SPECIFIED ON THE TRAFFIC SIGNAL PLANS. ALL VIDEO DETECTION SYSTEMS WILL BE STAND ALONE SYSTEMS TO INCLUDE ALL NECESSARY EQUIPMENT TO PROGRAM THE VIDEO DETECTION SYSTEM. A PROGRAMMING "MOUSE", KEYPAD OR LAPTOP COMPUTER (IF REQUIRED FOR PROGRAMMING THE VIDEO DETECTION SYSTEM) AND APPROPRIATE SOFTWARE WILL BE SUPPLIED WITH EACH VIDEO SYSTEM. PERSONAL COMPUTERS (PCs) MAY NOT BE SUBSTITUTED FOR LAPTOPS. A VIDEO MONITOR (COLOR FLAT SCREEN) 9" TO 13" WILL BE SUPPLIED WITH EACH VIDEO DETECTION SYSTEM. EACH VIDEO CAMERA WILL HAVE POWER AND VIDEO CABLE DIRECTLY FROM THE CABINET. COAXIAL CABLE WILL BE TYPE 8281 (SOLID CENTER CONDUCTOR). CAMERAS THAT USE A PREFABRICATED CABLE INTEGRATING POWER AND VIDEO INTO A SINGLE WEATHERPROOF CONNECTOR ARE ACCEPTABLE. "BNC" ARE THE ONLY ACCEPTABLE TERMINATION OF COAXIAL CABLES. CAMERAS WILL BE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS AND PER CLV TRAFFIC ENGINEER APPROVAL. VIDEO CAMERAS SHALL BE COLOR AND SHALL BE MOUNTED ON A MINIMUM 6 FOOT RISER ON THE SIGNAL MAST ARM WITH EXTENSION BRACKETS (TYPE AG-0175-74-62 OR EQUIVALENT). THE LOCATION OF THE CAMERA ON THE MAST ARM SHALL BE APPROVED BY THE TEFO TRAFFIC SIGNAL SUPERVISOR. A VIDEO FILTER (CX06-BNYC OR EQUIVALENT) WILL BE INSTALLED IN THE SIGNAL CABINET FOR EACH CAMERA VIDEO INPUTWHEN COAX IS USED. VIDEO DETECTION PROCESSORS AND COMMUNICATIONS CARDS SHALL BE PROVIDED WITH THE LATEST VERSIONS OF THE MANUFACTURER 'S SOFTWARE. THE CONTRACTOR SHALL AIM CAMERAS AND PROGRAM AND CONFIGURE THE VIDEO DETECTION PROCESSORS TO PROVIDE A FULLY FUNCTIONING SYSTEM.
21. WHERE NEW LOOPS WILL BE OVERLAID WITH NEW PAVEMENT, LOOP DETECTORS SHALL BE PREFORMED LOOPS AS MANUFACTURED BY RENO A & E LOOP SYSTEMS AND ALL LOOPS SHALL BE INSTALLED IN THE ROADWAY PRIOR TO PLACEMENT OF THE FINAL PAVEMENT LIFT. WHERE NEW LOOPS ARE INSTALLED THAT ARE NOT OVERLAID WITH NEW PAVEMENT, LOOPS SHALL BE CABLE-IN-DUCT PER SECTION 623 T.02.04.C OF THE CITY OF LAS VEGAS SPECIAL PROVISIONS. LOOP LEAD-IN CABLE SHALL BE 6-PAIR 18 AWG MULTIPLE CONDUCTOR CABLE AS SPECIFIED IN SECTION 623T.02.04 OF THE CLV SPECIAL PROVISIONS. ALL WIRING HARNESSES, RACK POSITIONS, AND LOOP LEAD-IN CABLE SHALL BE CLEARLY MARKED AS TO THE APPROPRIATE PHASE AND LETTER DESIGNATION TO WHICH IT BELONGS AS SHOWN ON THE TRAFFIC SIGNAL PLANS. LOOPS SHALL BE LOCATED AS SHOWN ON THE TRAFFIC SIGNAL PLANS AND APPROVED BY THE CLV TRAFFIC ENGINEERING DIVISION PRIOR TO INSTALLATION. REFER TO SECTION 623T.02.04 OF THE CLV SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS. 22. OPTICAL PREEMPTION UNITS WILL BE GLOBAL TRAFFIC TECHNOLOGIES (ENCODING CAPABLE), MODEL 764 OPTICOM PHASE SELECTOR INSTALLED IN A MODEL 760 RACK WITH A MODEL 768 AUXILIARY INTERFACE PANEL (AIP) MOUNTED IN THE CABINET AND FULLY WIRED FOR GREEN SENSE CAPABILITIES. OPTICAL SENSORS WILL BE MODEL 721 WITH ONE DETECTOR PER DIRECTION, UNLESS SHOWN OTHERWISE IN THE PLANS, AND WILL BE INTERFACED TO THE TRAFFIC SIGNAL CONTROLLER CABINET WITH M-138 CABLE. THE SOUTHBOUND OPTICOM DETECTOR SHALL BE WIRED TO INPUT PREEMPTS ON CHANNEL 1 IN THE PHASE SELECTOR, EASTBOUND ON CHANNEL 2, NORTHBOUND ON CHANNEL 3, AND WESTBOUND ON CHANNEL 4, UNLESS VARIATIONS ARE APPROVED BY THE TRAFFIC SIGNAL SUPERVISOR. WHEN 764 PHASE SELECTORS ARE ADDED TO A CABINET WITHOUT A 768 AIP, THE CONTRACTOR SHALL INSTALL AND WIRE A NEW 768 AIP.
23. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY CONSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED AT THE CONTRACTORS EXPENSE TO THE SATISFACTION OF THE CITY.
24. INTERCONNECT CABLE SHALL BE AS SHOWN IN THE WIRE SCHEDULE.
25. THE CONTRACTOR SHALL INSTALL CROSSWALKS, STOP BARS, STRIPING AND SIGNS AS IDENTIFIED ON THE PLANS.
26. WHERE THE PLANS CALL FOR REMOVAL AND SALVAGE OF EXISTING TRAFFIC SIGNAL EQUIPMENT, THE CONTRACTOR SHALL CALL 702-229-6331 TO SPEAK TO A TRAFFIC FIELD SUPERVISOR TO ARRANGE FOR DELIVERY TIMES AND LOCATIONS.
27. THE CONTRACTOR SHALL MAINTAIN EXISTING SIGNALS THROUGH THE LIFE OF THE PROJECT PER SECTION 623 G.03.01N OF THE CLV SPECIAL PROVISIONS.

SOUTHWEST GAS CORPORATION DATE:

LAS VEGAS FIRE & RESCUE DATE:

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO.__________ FIRST APPROVED DATE:__________

APPROVAL		
REV.	DESCRIPTION	APRVD. BY / DATE

REVISIONS

GOAL EXTENDED STAY

GENERAL NOTES
SHEET 2

824 SOUTH DECATUR BOULEVARD
LAS VEGAS, NEVADA 89107

ACG DESIGN
4310 CAMERON ST, SUITE 12-A
LAS VEGAS, NEVADA 89103
OFFICE: 702.448.8737
WEBSITE: WWW.ACG.DESIGN

ENGINEER'S SEAL

9/21/2022

DATE:	9/19/2022
PROJ. NO:	210261
DRAWN BY:	ARB
CHECKED BY:	RAS
SCALE:	AS NOTED
JURISDICTION:	CLV

DRAWING NUMBER:
C3
SHEET 3 OF 10

AGENCY NUMBER:

Z:\PROJECTS_CURRENT\COMMERCIAL CLIENTS\824 S DECATUR LLC\210261-DECATUR SUITES EXTENDED STAY\ENGINEERING\CIVIL DRAWINGS\IMPROVEMENT PLANS\210261_C1_C4-CV.DWG 9/19/2022 2:09 PM

ABBREVIATIONS

ABAN	ABANDON
AB	AGGREGATE BASE
ABS	ABSOLUTE
AC	ASPHALTIC CONCRETE
ACKV	AUTOMATIC CHECK VALVE
ADA	AMERICAN DISABILITY ACT
ADDL	ADDITIONAL
ADDM	ADDENDUM
ADJ	ADJUSTABLE
AGG	AGGREGATE
AL	ALUMINUM
AMT	AMOUNT
&	AND
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APN	ASSESSOR PARCEL NUMBER
APPROX	APPROXIMATE
APPVD	APPROVED
ASPH	ASPHALT
ASSN	ASSOCIATION
ASSY	ASSEMBLY
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
AVE	AVENUE
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC	BOLT CIRCLE/BACK OF CURB
BCR	BACK OF CURB RADIUS BEGINNING OF CURVE RETURN
BORY LINE	BOUNDARY LINE
BETW, B/W	BETWEEN
BK	BOOK/BACK
BLDG	BUILDING
BLK	BLOCK
BLM	BUREAU OF LAND MANAGEMENT
BLVD	BOULEVARD
BM	BENCHMARK
BO	BLOW OFF ASSEMBLY
BC, BOC	BACK OF CURB
BOT	BOTTOM
BW, BOW	BACK OF WALK
BPV	BACK PRESSURE VALVE
BRG	BEARING
BS	BACK SIGHT
BVC	BEGINNING OF VERTICAL CURVE
BSW	BACK OF SIDEWALK
C	CONDUIT
C&G	CURB & GUTTER
CAP	CAPACITY
CATV	CABLE TELEVISION
CAV	COMBINATION AIR VALVE
CC	CLARK COUNTY
CCWRD	CLARK COUNTY WATER RECLAMATION DISTRICT
CI	CAST IRON
CIP	CAST IRON PIPE/CAST IN PLACE
CIR	CIRCLE
CIRCUM	CIRCUMFERENCE
CL OR ℄	CENTERLINE
CO	COUNTY/COMPANY/CONTRACT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
COR	CORNER
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUE OR CONTINUOUS
CTR	CENTER
CU	CUBIC
CY	CUBIC YARD
D OR △	DELTA ANGLE
D/W	DRIVEWAY
DBO	DESIGNED BY OTHERS
DCSWCS	DESIGN AND CONSTRUCTION STANDARDS FOR WASTE WATER COLLECTION SYSTEMS
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DEV	DEVELOPMENT
DI	DROP INLET OR DUCTILE IRON
DIA OR Ø	DIAMETER
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DIR	DIRECTION
DIST	DISTANCE
DMH	DROP MANHOLE
DOM	DOMESTIC
DR	DRIVE
DWG	DRAWING
DWY	DRIVEWAY
E	EAST
EC	EXISTING CONCRETE
ECR	END OF CURVE RETURN
EOC	END OF CURVE
EOP	EDGE OF PAVEMENT
EOS	EDGE OF SHOULDER
ESMT	EASEMENT
EVC	END OF VERTICAL CURVE
EX	EXISTING
FC	FACE OF CURB
FF	FINISHED FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL OR ℄	FLOW LINE
FN	FENCE
FOW	FACE OF WALL
FSTNR	FASTENER
FT	FOOT OR FEET
FUT	FUTURE
GB	GRADE BREAK
GM	GAS METER
GPM	GALLONS PER MINUTE
GRD	GRADE
GRT	GRATE
GUT	GUTTER
GV	GATE VALVE
HERCP	HORIZONTAL/ELLIPTICAL REINFORCED CONCRETE PIPE
HP	HIGH POINT
IN	INCH
INSTR	INSTRUMENT
INT	INTERIOR
INV	INVERT
IRR	IRRIGATION
LEN OR L	LENGTH OF CURVATURE
LF	LINEAR FOOT
LT	LEFT/LIGHT
LVVWD	LAS VEGAS VALLEY WATER DISTRICT
M	METER
MAX	MAXIMUM
N	NORTH
NAP	NOT-A-PART
NDOT	NEVADA DEPARTMENT OF TRANSPORTATION
NE	NORTHEAST
NG	NATURAL GROUND
NO. #	NUMBER
NPC	NEVADA POWER COMPANY
NTS	NOT TO SCALE
NW	NORTHWEST
MH	MANHOLE
MIN	MINIMUM
OHP	OVER HEAD POWER
OHTEL	OVER HEAD TELEPHONE
P	POLE/PRESSURE/PIPE/POWER
P/L / ℄	PROPERTY LINE
PERP	PERPENDICULAR
PG	PRESSURE GAGE
PKWY	PARKWAY
PRIV	PRIVATE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE PIPE
QTY	QUANTITY
R	RADIUS
(R)	RADIAL
R.D.O.	ROOF DRAIN OUTLET PIPE LOCATION
RPDA	REDUCED PRESSURE DETECTOR ASSEMBLY
RPPA	REDUCED PRESSURE PRINCIPLE ASSEMBLY
RR	RAILROAD
ROW	RIGHT OF WAY
S/C	SAW CUT
SCCP	STEEL CYLINDER CONCRETE PIPE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SW, SDWK	SIDEWALK
SE	SOUTHEAST
SEC	SECTION/SECOND(ARY)
SHT	SHEET
SIG	SIGNAL
SF, SQ FT	SQUARE FOOT (FEET)
SY, SQ YD	SQUARE YARD
SNBORS	SOUTHERN NEVADA BUILDING OFFICIALS REGIONAL STANDARD
SS	SANITARY SEWER
ST	STREET
STA	STATION
STD	STANDARD
SL, STLT	STREET LIGHT
SUR	SURVEY
SVZ	SITE VISIBILITY ZONE
T	TELEPHONE/TANGENT
TAN	TANGENT
TC	TOP OF CURB
TF	TOP OF FOOTING
TFW	TOP OF FLOOD WALL
TMH	TOP OF MANHOLE
TR.DR.	TRENCH DRAIN
TRW	TOP OF RETAINING WALL
TOT	TOTAL
TW	TOP OF WALL
TS	TRAFFIC SIGNAL
TRANS	TRANSITION/TRANSMISSION
(TYP)	TYPICAL
UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS
USD	UNIFORM STANDARD DRAWINGS
VC	VERTICAL CURVE
VERT	VERTICAL
VG	VALLEY GUTTER
W/	WITH
WM	WATER METER
W	WATER
WV	WATER VALVE
YD	YARD

NOTE:
THIS IS A STANDARD ABBREVIATION SHEET.
SOME ABBREVIATIONS MAY APPEAR ON THIS SHEET BUT NOT USED IN THE PLANS. ALL ABBREVIATIONS USED ON THE PLANS MUST APPEAR ON THIS SHEET.

UTILITY

	PROPOSED	EXISTING
WATER PIPELINE	W	W
BLOWOFF		
COMBINATION AIR VALVE		
REDUCER		
WATER VALVE		
FIRE HYDRANT ASSEMBLY		
WATER METER	WM	WM
SANITARY SEWER MANHOLE		
STREET LIGHT (GENERIC SYMBOL NOT RELATED TO WATTAGE)		
ELECTRICAL BOX	ELEC	ELEC
ELECTRICAL PANEL BOX	ELEC PANEL	ELEC PANEL
CABLE TV	CTV	CTV
GAS LINE	G	G
SANITARY SEWER	SS	SS
UNDERGROUND POWER	UGP	UGP
UNDERGROUND TELEPHONE	UGTEL	UGTEL
VALVE (INITIALS INDICATE OWNERSHIP AND/ OR TYPE)		
UTILITY BOX (INITIALS INDICATE OWNER AND / OR TYPE)		
UTILITY STUB-OUT		
TRAFFIC CONTROL SIGN		
100 W LUMINAIRE		
150 W LUMINAIRE		
200 W LUMINARE		
250 W LUMINAIRE		
400 W LUMINAIRE		
750 W LUMINAIRE		
TRAFFIC SIGNAL POLE		
GATE VALVE		
DOUBLE CHECK DETECTOR ASSEMBLY (DCDA)	DCDA	DCDA
REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA)	RPDA	RPDA
ROOF DRAIN OUTLET PIPE LOCATION		

GEOMETRIC

	PROPOSED	EXISTING
EDGE OF PAVEMENT		
FENCE		
CURB, GUTTER AND SIDEWALK		
CENTER LINE		
BLOCK WALL/RETAINING WALL		
SCREEN WALL		
STREET NAME SIGN		
DRIVEWAY	BACK OF SIDEWALK RIGHT-OF-WAY LINE BACK OF CURB	
WHEELCHAIR RAMP		

Call before you Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811
OR
1-800-642-2444

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO._____ FIRST APPROVED DATE:_____

SITE PLAN

	PROPOSED	EXISTING
STEPS (NOTE TYPE AND NO. OF RISERS)		
EXISTING BUILDING & FOUNDATION		

MISCELLANEOUS

REFERENCE BUBBLE
DET — DETAIL OR SECTION REFERENCE NUMBER (DETAIL) OR LETTER (SECTION)
SHT — DRAWING NUMBER OF SHEET WHERE DETAIL OR SECTION RESIDES
C XX-XX — ALL SHEETS THAT REFERENCE TO THE DETAIL OR SECTION

IDENTIFICATION HEXAGON (XX)

SAW CUT LINE-ASPHALT CONC. OR PCC CONC.

DRAINAGE / GRADING

	PROPOSED	EXISTING
STORM DRAIN MANHOLE (SIZE AS NOTED PER PLAN)		
CONTOURS	2640 2640	2640 2640
STORM DRAIN (SIZE AS NOTED PER PLAN)	SD	SD
DIRECTION OF FLOW		
FLOW LINE OF DITCH OR CHANNEL		
DROP INLET	GRATE	GRATE
ELEVATIONS	0.00	(0.00)
CUT OR FILL SLOPES	TOP OF SLOPE TOE OF SLOPE	
VALLEY GUTTER		

SPECIAL SURVEY LEGEND & ABBREVIATIONS

W	WATER PULLBOX/ METER/SHUT OFF
E	ELECTRIC PULLBOX/ METER/TRANSFORMER
T	TELEPHONE PULLBOX/HANDHOLE
FO	FIBER OPTIC PULLBOX/HANDHOLE
SL	STREETLIGHT PULLBOX/HANDHOLE
TS	TRAFFIC SIGNAL PULLBOX/HANDHOLE
ICV	IRRIGATION CONTROL VALVE
SS	SANITARY SEWER
CTV	CATV PULLBOX/HANDHOLE
AL	AREA LIGHT PULLBOX/HANDHOLE
RB	RED BOX DVD RENTAL KIOSK
	FIRE HYDRANT
WV	WATER VALVE
GAS	GAS METER
SS	SEWER MANHOLE
GV	GAS VALVE
SSCO	SEWER CLEANOUT
	AREA LIGHT
	STREET LIGHT
	SIGN
IM	INTERCEPTOR MANHOLE
	TILE WALKWAY
	DESERT LANDSCAPE AREA
8"B	8" CONCRETE BOLLARD
	TRAFFIC SIGNAL POLE
	AREA LIGHT
SD	STORM MANHOLE
	SHRUB
	FLOWERS/PLANT
	TREE
	PALM TREE
	BUILDING COLUMN
TC	TRASH CAN

SURVEY

SURVEY MONUMENT	
PROPERTY LINE	— ℄ —
RIGHT-OF-WAY LINE	
PATENT RESERVATION OR EASEMENT LINE	
SECTION LINE	
CONCRETE MONUMENT	
CONCRETE MONUMENT SURVEY LINE	INTERSECTING CENTERLINE

REVISIONS			APPROVAL	
REV.	DESCRIPTION	APRVD. BY	DATE	

GOAL EXTENDED STAY

LEGEND & ABBREVIATIONS

824 SOUTH DECATUR BOULEVARD
LAS VEGAS, NEVADA 89107

ACG DESIGN
4310 CAMERON ST. SUITE 12-A
LAS VEGAS, NEVADA 89103
OFFICE: 702.448.8737
WEBSITE: WWW.ACG.DESIGN

ENGINEER'S SEAL
PROFESSIONAL ENGINEER STATE OF NEVADA
RANDOLPH A. SKORPINSKI
EXP: 06-30-24
CIVIL
No. 14985
9/21/2022

DATE:	9/19/2022
PROJ. NO:	210261
DRAWN BY:	ARB
CHECKED BY:	RAS
SCALE:	AS NOTED
JURISDICTION:	CLV

DRAWING NUMBER:
C4
SHEET 4 OF 10
AGENCY NUMBER:

Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

1-702-227-2929

OR
1-800-642-2444

BASIS OF BEARINGS

NORTH 01°21'22" WEST
BEING THE BEARING OF THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 36, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.B.&M., CLARK COUNTY NEVADA, AS SHOWN THEREON A RECORD OF SURVEY TITLED "DECATUR BOULEVARD IMPROVEMENTS", RECORDED AT FILE 162, PAGE 61 OF SURVEYS IN THE OFFICE OF THE RECORDER, CLARK COUNTY, NEVADA.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK 1LV01 31SWW6
RIVET & PLATE IN TOP OF CURB
SE NW CORNER OF DECATUR & EVERGREEN PL
ELEVATION = 669.99 METERS = 2198.14 U.S. SURVEY FEET (NAVD 88 v.2018)

LEGAL DESCRIPTION

LOT NO. THIRTY-TWO (32) IN THE SOUTHEAST QUARTER (SE1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 36, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.B.&M.

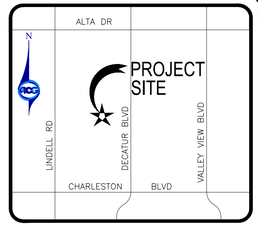
HANDICAP ACCESSIBILITY NOTE:

CONTRACTOR TO COMPLY WITH ALL ADA REQUIREMENTS. IF CONTRACTOR FINDS DISCREPANCIES WITH ANY INFORMATION INDICATED ON THESE PLANS, ACG DESIGN IS TO BE NOTIFIED BY CONTRACTOR IMMEDIATELY.

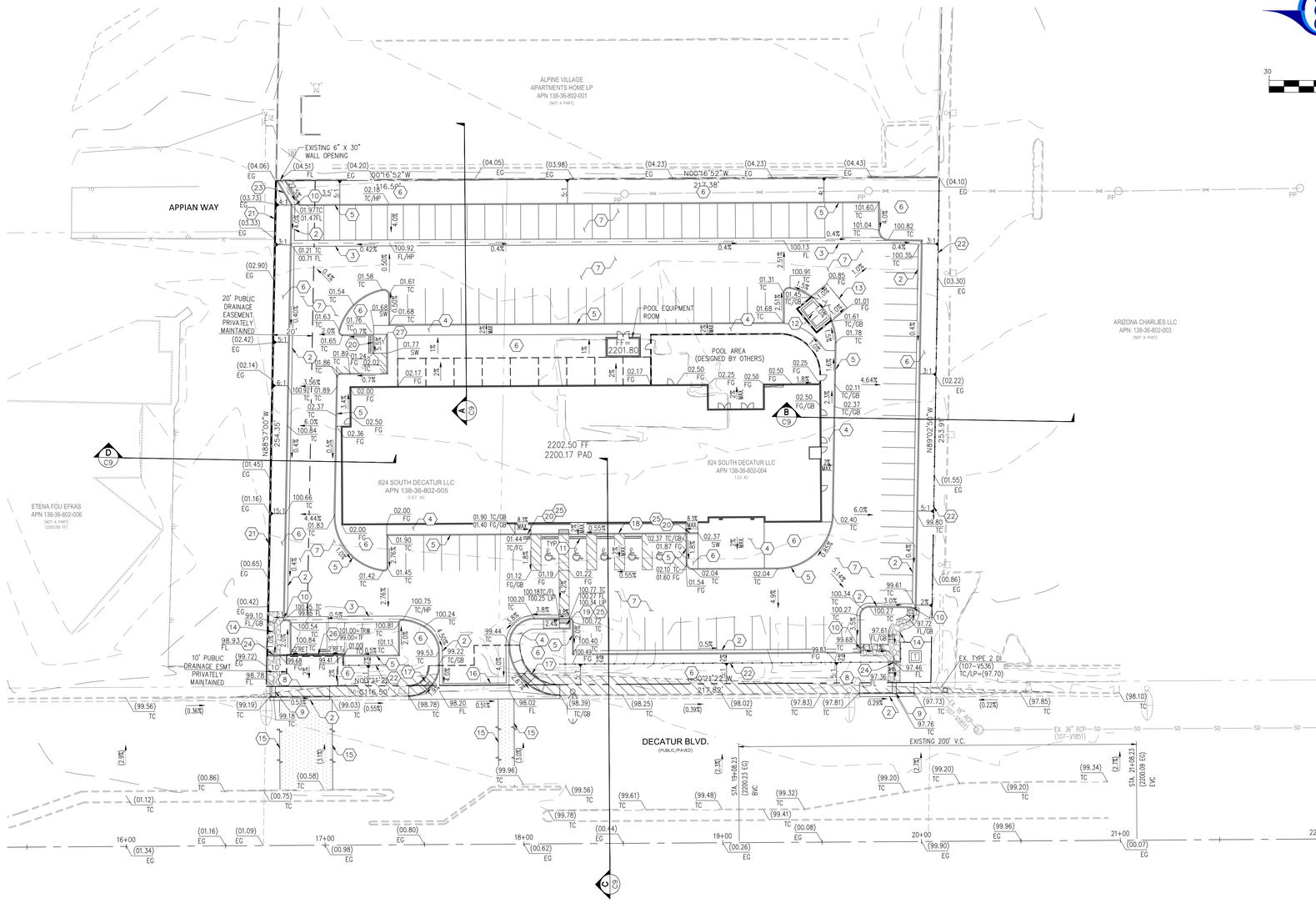
LEGEND

- AC PAVEMENT/PAVEMENT RESTORATION
- CONCRETE
- NO PARKING AREA AND ADA ACCESSIBLE ROUTE

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1" = 30'



VICINITY MAP
NTS



NOTE:

POST-CONSTRUCTION BMP'S (PCBMP'S) / CONTROL MEASURES NOTED ON THE GRADING PLANS ARE MANDATORY PERMANENT REGULATORY STORMWATER POLLUTION CONTROLS. THESE PCBMP'S MUST BE INSTALLED PER THE APPROVED PLANS AND MUST BE PERMANENTLY MAINTAINED.

CONSTRUCTION NOTES

1. SAWCUT & MATCH EXISTING PAVEMENT.
2. CONSTRUCT "L" CURB AND GUTTER PER CCAUSD NO. 216.
3. CONSTRUCT 3' WIDE VALLEY GUTTER. REFER TO DETAIL 5, SHEET C10.
4. CONSTRUCT ON-SITE CONCRETE SIDEWALK PER DETAIL 6, SHEET C10.
5. CONSTRUCT MODIFIED "A" TYPE CURB PER DETAIL 1, SHEET C10.
6. LANDSCAPE AREA (DESIGNED BY OTHERS)
7. CONSTRUCT ON-SITE PAVEMENT (2" AC FOR AUTO PARKING, 3" AC FOR MAIN CORRIDOR AND TRUCK ACCESS) OVER 4" TYPE II AGGREGATE BASE (95% COMPACTION). 6" MINIMUM SCARIFICATION AND COMPACTION. REFER TO DETAIL 2, SHEET C10.
8. CONSTRUCT OFF-SITE CONCRETE SIDEWALK PER CCAUSD NO. 234.
9. CONSTRUCT SIDEWALK DRAIN PER CCAUSD NO. 236.
10. PROVIDE CURB OPENING TO ALLOW RUN-OFF TO SPILL THROUGH CURB. STANDARD 2-FEET WIDE, UNLESS OTHERWISE NOTED ON PLANS. REFER TO DETAIL 5, SHEET C10.
11. INSTALL 8' X 6.5" PRECAST BUMPER BLOCKS PER CCAUSD NO. 238.
12. CONSTRUCT TRASH ENCLOSURE PER ARCHITECTURAL PLANS.
13. CONSTRUCT CONCRETE APRON FOR TRASH ENCLOSURE (6" CONCRETE SLAB WITH 6X6/1.4X1.4 W.W.F.) OVER 8" TYPE II AGGREGATE BASE. REFER TO DETAIL 9, SHEET C10.
14. FLOWLINE OF PROPOSED SWALE PER BMP DESIGN CRITERIA. D_{50}=4 INCHES MIN., THICKNESS = 8 INCHES, 4:1 MAXIMUM SIDE SLOPES, 40' LONG X 6' WIDE MINIMUM. REFER TO LIMITS SHOWN ON PLAN AND DETAIL 8, SHEET C10.
15. LIMITS OF PAVEMENT RESTORATION PER CCAUSD NO. 500.5. TRENCH AND BACKFILL PER CCAUSD NO. 503.
16. CONSTRUCT 8' CONCRETE CROSS GUTTER AND SPANDRELS PER CCAUSD NO. 228 FOR COMMERCIAL DRIVEWAY PER CCAUSD NO. 222A & 225.
17. CONSTRUCT CONCRETE SIDEWALK RAMP WITH DETECTABLE TACTILE WARNINGS PER CCAUSD NO. 235. (CASE I, A=8', B=8' UNLESS OTHERWISE NOTED). 2% MAX. SLOPE IN LANDING AREA.
18. CONSTRUCT ZERO-INCH CURB FACE PER DETAIL 4, SHEET C10.
19. INSTALL CONTINUOUS DETECTABLE TACTILE WARNINGS CONSISTING OF RAISED TRUNCATED DOMES WHICH CONTRACT VISUALLY WITH ADJOINING SURFACES. REFER TO ADAAG SECTION 4.29.
20. CONSTRUCT 0-INCH TO 6-INCH CURB FACE TRANSITION.
21. CONSTRUCT 8' HIGH CMU MASONRY SCREEN WALL PER SOUTHERN NEVADA BUILDING OFFICIALS REGIONAL STANDARD B-100-1.
22. CONSTRUCT 4' HIGH ORNAMENTAL IRON FENCE. REFER TO ARCHITECTURAL PLANS.
23. CONSTRUCT 3' WIDE BY 6" DEEP MODIFIED CONCRETE U-CHANNEL. REFER TO DETAIL 10, SHEET C10.
24. 4' HIGH ORNAMENTAL IRON FENCE TO BE CONSTRUCTED TO ALLOW RUNOFF TO FLOW THROUGH.
25. CONSTRUCT CONCRETE CURB RAMP. ENSURE 8.3% MAXIMUM LONGITUDINAL/RUNNING SLOPE AND 2% MAXIMUM TRANSVERSE/CROSS SLOPE. 2% MAX. LONGITUDINAL AND TRANSVERSE SLOPE IN RAMP LANDING. INSTALL DETECTABLE TACTILE WARNINGS WHERE APPLICABLE. (I.E. AT STREET OR DRIVE AISLE CROSSINGS).
26. CONSTRUCT 2' HIGH MASONRY RETAINING WALL PER SOUTHERN NEVADA BUILDING OFFICIALS REGIONAL STANDARD B-100-2, WITH 4' HIGH ORNAMENTAL IRON FENCE ANCHORED ABOVE.
27. CONSTRUCT RAMP FOR LOADING ZONE ACCESS. ENSURE 8.3% MAXIMUM LONGITUDINAL/RUNNING SLOPE AND 2% MAXIMUM TRANSVERSE/CROSS SLOPE.

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.

REVISIONS			
REV.	DESCRIPTION	APRVD. BY	DATE
APPROVAL			

GOAL EXTENDED STAY

GRADING PLAN

824 SOUTH DECATUR BOULEVARD
LAS VEGAS, NEVADA 89107

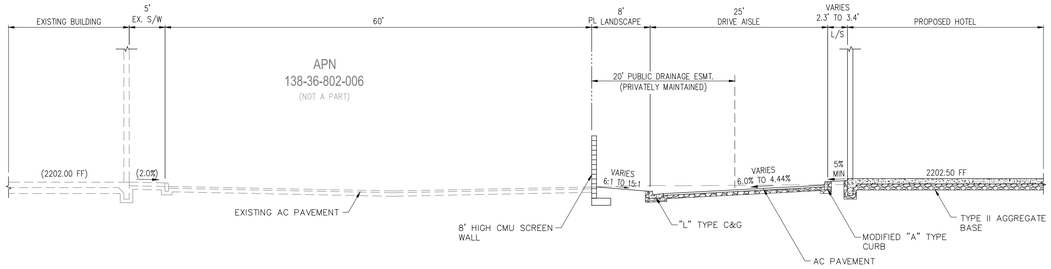
ACG DESIGN
4310 CAMERON ST, SUITE 12-A
LAS VEGAS, NEVADA 89103
OFFICE: 702.448.8737
WEBSITE: WWW.ACG.DESIGN

ENGINEER'S SEAL
STATE OF NEVADA
RANDOLPH A. SKORPINSKI
EXP: 06-30-24
CIVIL
No. 14985
PROFESSIONAL ENGINEER
9/21/2022

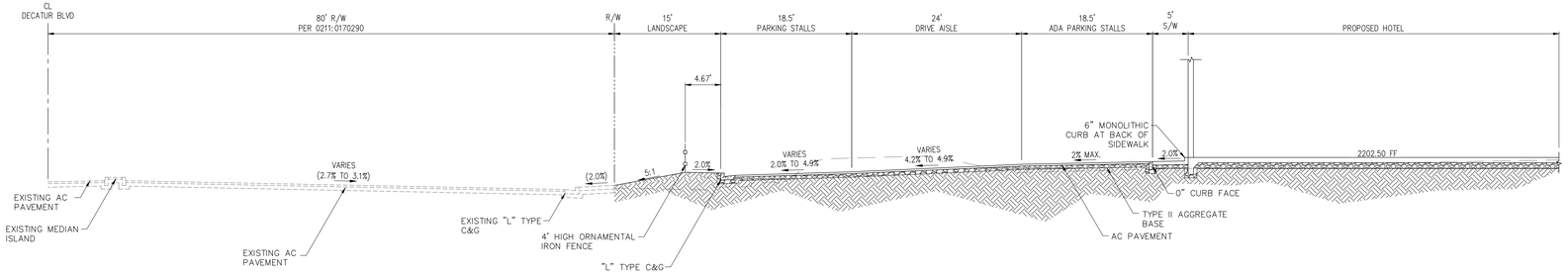
DATE:	9/19/2022
PROJ. NO:	210261
DRAWN BY:	ARB
CHECKED BY:	RAS
SCALE:	AS NOTED
JURISDICTION:	CLV

DRAWING NUMBER:
C7
SHEET 7 OF 10
AGENCY NUMBER:

Z:\PROJECTS_CURRENT\COMMERCIAL CLIENTS\824 S DECATUR LLC\210261-DECATUR SUITES EXTENDED STAY\ENGINEERING\CIVIL DRAWINGS\IMPROVEMENT PLANS\210261_C7-GP.DWG 9/19/2022 2:18 PM



CROSS SECTION D
NTS



CROSS SECTION C
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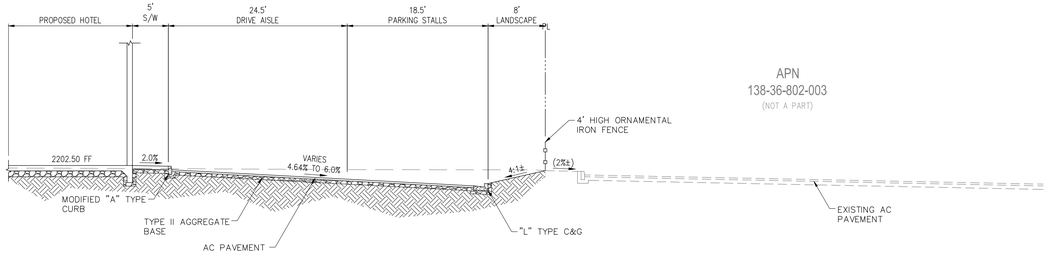

CROSS SECTION B
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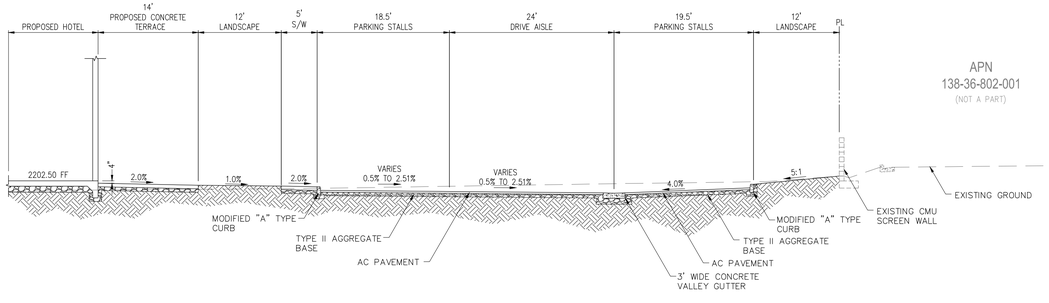

CROSS SECTION A
NTS

APPROVAL

REV.	DESCRIPTION	APRVD. BY	DATE

REVISIONS

GOAL EXTENDED STAY

CROSS SECTIONS

824 SOUTH DECATUR BOULEVARD
LAS VEGAS, NEVADA 89107

ACG DESIGN
4310 CAMERON ST, SUITE 12-A
LAS VEGAS, NEVADA 89103
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ENGINEER'S SEAL
PROFESSIONAL ENGINEER STATE OF NEVADA
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C9
SHEET 9 OF 10
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Z:\PROJECTS_CURRENT\COMMERCIAL CLIENTS\824 S DECATUR LLC\210261-DECATUR SUITES EXTENDED STAY\ENGINEERING\CIVIL DRAWINGS\IMPROVEMENT PLANS\210261_C9_C10-XS-DT.DWG 9/19/2022 2:20 PM

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

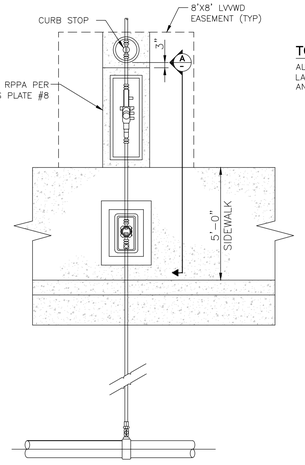
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

Call before you Dig AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-642-2444

APPROVED FOR CONSTRUCTION

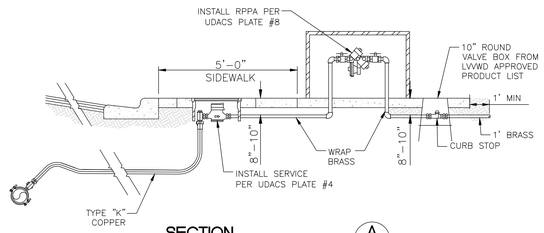
LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO._____ FIRST APPROVED DATE:_____



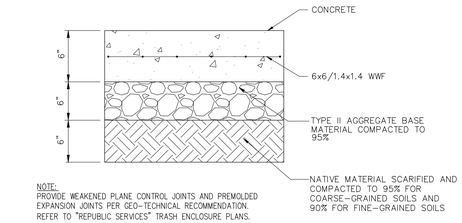
TO ENSURE LVVWD ACCESS WITHIN EASEMENT

ALL ABOVE GROUND OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO, LANDSCAPE BOULDERS, FENCES/WALLS (TO INCLUDE NO FOOTINGS), AND SIGNS ARE STRICTLY PROHIBITED WITHIN EASEMENT.



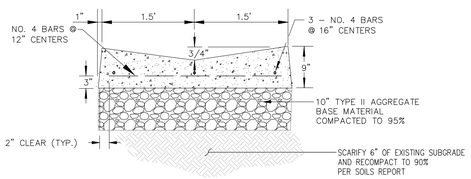
SECTION A – NOT TO SCALE

LVVWD METER AND RPPA STANDARD DETAIL 11
NTS



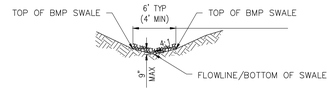
NOTE:
PROVIDE WEAKENED PLANE CONTROL JOINTS AND PREMOLDED EXPANSION JOINTS PER GEO-TECHNICAL RECOMMENDATION. REFER TO "REPUBLIC SERVICES" TRASH ENCLOSURE PLANS.

CONCRETE SECTION FOR TRASH ENCLOSURE APRON 9
NTS



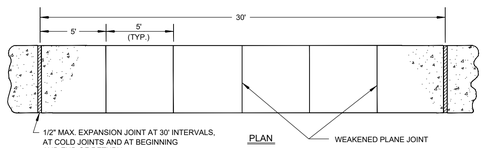
NOTES:
1. FINISHED ASPHALT CONCRETE SURFACE TO BE FLUSH WITH VALLEY GUTTER LIP.

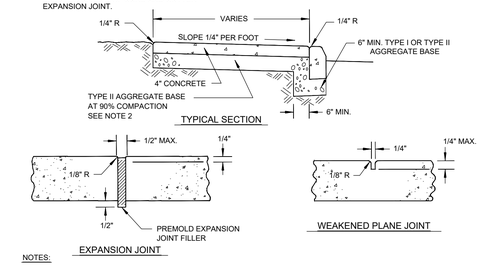
3' VALLEY GUTTER 8
NTS



TRIBUTARY AREA > 0.5 AC, SWALE SLOPE ≤1%, SIDE SLOPES 4:1 MAXIMUM, MINIMUM LENGTH 40 FT, MAXIMUM DEPTH 9" FOR 2 YEAR FLOW ROCK LINED, D50=6", THICKNESS = 12"

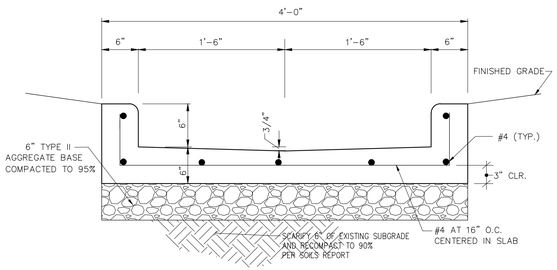
BMP SWALE DETAIL 7
NTS



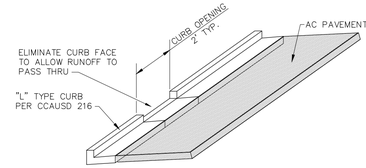


NOTES:
1. ON ALL CURB RETURNS A 1/2" MAX. EXPANSION JOINT SHALL BE CONSTRUCTED BETWEEN THE BACK OF CURB AND THE SIDEWALK FOR THE ENTIRE LENGTH OF THE RETURN.
2. THE TYPE II AGGREGATE BASE THICKNESS IS SHOWN ON THE TYPICAL SECTION DRAWINGS PER USD NO. 202-207.
3. LONGITUDINAL WEAKENED PLANE JOINT REQUIRED AT MIDPOINT OF SIDEWALK 10' OR WIDER.
4. CONTRACTOR HAS THE OPTION TO SAWCUT OR TOOL WEAKENED PLANE JOINT.

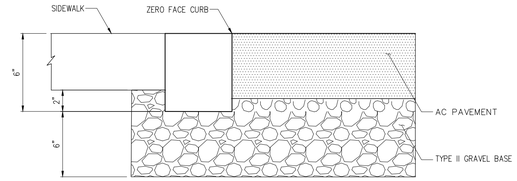
ON-SITE SIDEWALK CONSTRUCTION DETAIL 6
NTS



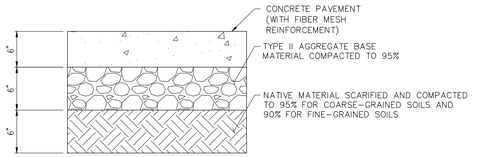
3' x 6' CONCRETE U-CHANNEL 10
NTS



CURB OPENING 5
NTS

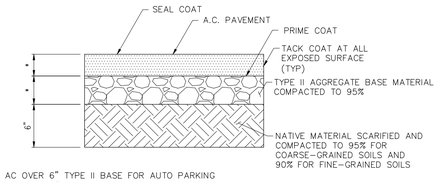


ZERO FACE CURB 4
NTS



NOTE:
PROVIDE WEAKENED PLANE CONTROL JOINTS AND PREMOLDED EXPANSION JOINTS PER MCDONALDS RECOMMENDATIONS.
CONSULT A GEOTECHNICAL ENGINEER BEFORE PLACEMENT OF PCC PAVEMENT

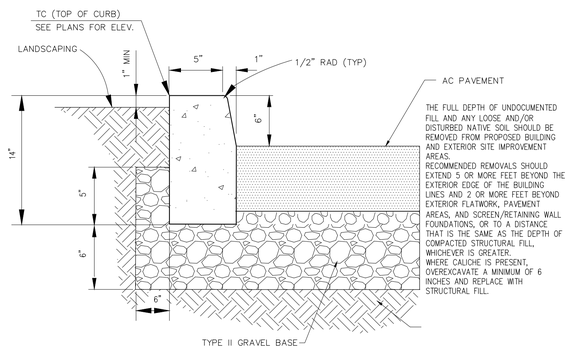
ON-SITE CONCRETE SECTION 3
NTS



* 2" AC OVER 6" TYPE II BASE FOR AUTO PARKING
3" AC OVER 6" TYPE II BASE FOR MAIN CORRIDOR AND TRUCK ACCESS

REFER TO GEOTECHNICAL REPORT

ON-SITE AC PAVEMENT SECTION 2
NTS



THE FULL DEPTH OF UNDOCUMENTED FILL AND ANY LOOSE AND/OR DISTURBED NATIVE SOIL SHOULD BE REMOVED FROM PROPOSED BUILDING AND EXTERIOR SITE IMPROVEMENT AREAS.
RECOMMENDED REMOVALS SHOULD EXTEND 5 OR MORE FEET BEYOND THE EXTERIOR EDGE OF THE BUILDING LINES AND 2 OR MORE FEET BEYOND EXTERIOR FLATWORK, PAVEMENT AREAS, AND SCREEN/RETAINING WALL FOUNDATIONS, OR TO A DISTANCE THAT IS THE SAME AS THE DEPTH OF COMPACTED STRUCTURAL FILL, WHICHEVER IS GREATER.
WHERE CAUCHE IS PRESENT, OVEREXCAVATE A MINIMUM OF 6 INCHES AND REPLACE WITH STRUCTURAL FILL.

MODIFIED "A" CURB 1
NTS

REVISIONS			
REV.	DESCRIPTION	APRVD. BY	DATE
		APPROVAL	

GOAL EXTENDED STAY

DETAILS

824 SOUTH DECATUR BOULEVARD
LAS VEGAS, NEVADA 89107

ACG DESIGN
4310 CAMERON ST, SUITE 12-A
LAS VEGAS, NEVADA 89103
OFFICE: 702.448.8737
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ENGINEER'S SEAL
PROFESSIONAL ENGINEER STATE OF NEVADA RANDOLPH A. T. SKORPINSKI EXP: 06-30-24 CIVIL No. 14985
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DATE:	9/19/2022
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DRAWING NUMBER: C10
SHEET 10 OF 10
AGENCY NUMBER:

Z:\PROJECTS_CURRENT\COMMERCIAL CLIENTS\824 S DECATUR LLC\210261- DECATUR SUITES EXTENDED STAY\ENGINEERING\CIVIL DRAWINGS\IMPROVEMENT PLANS\210261_C9_C10-XS-DT.DWG 9/19/2022 2:06 PM