

DS #: 05312

APN: 138.15.510.005

PROJECT: Mountain View Hospital - ED Expansion

SUBMITTAL: 1st

SCANNED BY/DATE:

CHECKED BY/DATE:



CITY OF LAS VEGAS		DATE:
INTER-OFFICE MEMORANDUM		August 20, 2020
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: Mountain View Hospital – ED Expansion		COPIES TO: S&ME Inc.
Cross Streets:	SEC of Cheyenne Blvd. & Tenaya Way	Sunrise Mountain View Hospital
File Number:	F:\Depot\DSMemos\DS5312A.doc	Bart Anderson, P.E., DevCo
Parcel Number:	138-15-510-005	
Zoning Action:	SDR-78376	
FEMA Flood Zone	YES NO X	
Proposed Storm Drain	YES NO X	

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Payment Trn #
1 st Submittal	7/31/2020	8/20/2020	See Comments Below	\$400.00	3934898: \$400
			TOTAL FEES (LDDRS):	\$400.00	----

REMARKS:

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

X	is approved subject to conformance to all City standards and the following conditions:
	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.

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.

NOTE: Please be advised that all land surface area disturbances over 1 acre or any area adjacent to a water way must submit to the *Nevada Division of Environmental Protection* a "Notice of Intent" to discharge that certifies a stormwater pollution prevention plan has been developed and is maintained on site; for inclusion in the Stormwater General Permit No. NVR100000. A phased construction unit in a contiguous subdivision is considered under construction until all stripped or disturbed surface areas have been covered by paving, building construction or planting. For more information, including forms and applications see <http://ndep.nv.gov/bwpc/storm01.htm> or call (775) 687-9429.

END OF REMARKS

ays

T/R/S: T20S/R60E/15

AREA L-15



August 21, 2020

City of Las Vegas
Public Works Department
333 N. Rancho Dr. 7th Floor
Las Vegas, Nevada 89106

**RE: Mountainview Hospital ER Expansion
Drainage CD Letter
Las Vegas, Nevada**

To Whom It May Concern:

This letter is to inform you that the electronic CD documents match the previously provided hardcopy submittal documents.

Sincerely,

S&ME, INC.

A handwritten signature in blue ink that reads "Olivia Berryhill".

Olivia Berryhill, PE
Associate Project Manager



Albert Sung

From: Lucien Paet
Sent: Thursday, August 20, 2020 9:55 AM
To: Albert Sung
Subject: FW: Mountain View Hospital - ED Expansion
Attachments: PRJ78370.pdf

Yes they did. SDR-78376

Thanks,

Lucien Paet, P.E.

Engineering Project Manager
Public Works | Transportation Engineering
702-229-6145 | Fax: 702 382-3901
333 N. Rancho Drive 8th floor| Las Vegas, NV 89106



lasvegasnevada.gov



Your opinion is important! Click [here](http://www.rtcsnv.com/pedcomfort) to take a short survey.
We need to hear from you. Please take an additional short survey.
<http://www.rtcsnv.com/pedcomfort>

From: Eric McCammond <emccammond@LasVegasNevada.GOV>
Sent: Thursday, August 20, 2020 9:41 AM
To: Lucien Paet <lpaet@LasVegasNevada.GOV>
Cc: Nicole Eddowes <neddowes@LasVegasNevada.GOV>; Bart Anderson <banderson@LasVegasNevada.GOV>
Subject: RE: Mountain View Hospital - ED Expansion

Hi Lucien,

Looks like this was approved administratively in March...SDR-78376.

Eric McCammond

Senior Management Analyst
Department of Planning | Case Planning Division
702.229.6196
333 N. Rancho Dr. 3rd Floor | Las Vegas, NV 89106
emccammond@lasvegasnevada.gov



From: Lucien Paet <lpaet@LasVegasNevada.GOV>
Sent: Thursday, August 20, 2020 8:45 AM

To: Eric McCammond <emccammond@LasVegasNevada.GOV>
Cc: Nicole Eddowes <neddowes@LasVegasNevada.GOV>; Bart Anderson <banderson@LasVegasNevada.GOV>
Subject: FW: Mountain View Hospital - ED Expansion

Hi Eric,

Our flood control group received a submittal for the attached. I did not see an entitlement action (APN 138-15-510-005). Flood would like to know if an entitlement will be required or if it will be handled via building permit. I'm thinking a minor Admin SDR, but please let me know so I can pass this information along.

Thanks,

Lucien Paet, P.E.

Engineering Project Manager
Public Works | Transportation Engineering
702-229-6145 | Fax: 702 382-3901
333 N. Rancho Drive 8th floor| Las Vegas, NV 89106



lasvegasnevada.gov



Your opinion is important! Click [here](#) to take a short survey.
We need to hear from you. Please take an additional short survey.
<http://www.rtcnv.com/pedcomfort>

From: Albert Sung <YSung@LasVegasNevada.GOV>
Sent: Thursday, August 20, 2020 7:48 AM
To: Lucien Paet <lpaet@LasVegasNevada.GOV>
Subject: RE: Mountain View Hospital - ED Expansion

Here you go, Lucien!

Albert Y. Sung

Project Engineer
Public Works Dept. / Flood Control
(702) 229-6541
333 N. Rancho Dr. 7th Floor
Las Vegas, NV 89106



lasvegasnevada.gov



Your opinion is important! Click [here](#) to take a short survey.

From: Lucien Paet <lpaet@LasVegasNevada.GOV>
Sent: Thursday, August 20, 2020 6:24 AM

To: Albert Sung <YSung@LasVegasNevada.GOV>
Subject: RE: Mountain View Hospital - ED Expansion

Hi Albert,

Can you send me a plan so I can verify whether or not I've seen a SDR for this? I'll ask Eric if I can't find anything.

Thanks,

Lucien Paet, P.E.

Engineering Project Manager
Public Works | Transportation Engineering
702-229-6145 | Fax: 702 382-3901
333 N. Rancho Drive 8th floor| Las Vegas, NV 89106



lasvegasnevada.gov



Your opinion is important! Click [here](#) to take a short survey.
We need to hear from you. Please take an additional short survey.
<http://www.rtcsv.com/pedcomfort>

From: Albert Sung <YSung@LasVegasNevada.GOV>
Sent: Wednesday, August 19, 2020 4:41 PM
To: Lucien Paet <lpayet@LasVegasNevada.GOV>
Subject: Mountain View Hospital - ED Expansion

Hi Lucien,

Mountain View Hospital at the SEC of Cheyenne and Tenaya has an onsite expansion. Can you confirm for me that whether they need or do not need a separate SDR?

Thank you!

Albert Y. Sung

Project Engineer
Public Works Dept. / Flood Control
(702) 229-6541
333 N. Rancho Dr. 7th Floor
Las Vegas, NV 89106



lasvegasnevada.gov



Your opinion is important! Click [here](#) to take a short survey.

HYDROLOGIC CRITERIA AND DRAINAGE MANUAL

DRAINAGE STUDY INFORMATION FORM

Name of Development: MountainView Hospital ED Expansion Date: 5/15/2020
 Location of Development: a) Descriptive (Cross Streets) North/South: Tenaya Way
 East/West: Cheyenne Avenue
 b) Section: 15 Township: 20 S Range: 60 E
 c) APN: 138-15-510-005

Name of Owner: Sunrise MountainView Hospital
 Telephone No.: 702-255-5065 Fax No.: _____ E-Mail Address: _____
 Address: 3100 N Tenaya Way, Las Vegas, NV, 89128

Contact Person-Name: Olivia Berryhill Telephone No.: 407-975-1273
 * E-Mail Address: oberryhill@smeinc.com Fax No.: _____
 Firm: S&ME, Inc
 Address: 1615 Edgewater Drive, Suite 200, Orlando, FL 32804

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	

- Total Owned Land Area: At Site: 30 acres Being Developed/Disturbed: 0.93 acres
- Is a portion or all of the subject property located in a designated FEMA Flood Hazard Area? ☐ Yes** ☒ No
- Is the property bordered or crossed by an existing or proposed Clark County Regional Flood Control District Master Planned Facility? ☐ Yes** ☒ No
- Proposed type of development (Residential, Commercial, Etc.): Commercial
- Approximate upstream land area which drains to the subject site: 0 acres
- Has the site drainage been evaluated in the past? ☒ YES ☐ NO If yes, please identify documentation: September 1994 GC Wallace, Inc. Drainage Study for Sunrise MountainView Hospital and Office Building
- If known, please briefly identify the proposed discharge point(s) of runoff from the site: 6x3 RCB in NDOT ROW under US 95 approximately 900' south of the intersection with Cheyenne Avenue (from previous permit)
- Briefly describe your proposed schedule for the subject project: Construction Start: 07/01/2020



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.

Revision	Date

Local Entity File No. _____

REFERENCE:

STANDARD FORM 1

HYDROLOGIC CRITERIA AND DRAINAGE DESIGN MANUAL

DRAINAGE SUBMITTAL CHECKLIST

Project Name: MountainView Hospital ED Expansion		Map ID: 138-15-510-005
Firm Name: S&ME, Inc		Engineer: Olivia Berryhill
Address: 1615 Edgewater Drive, Suite 200		
City: Orlando	State: FL	Zip: 32804
Phone Number: 407-975-1273	Fax Number:	
Property Owner: Sunrise MountainView Hospital		
Address: 3100 N. Tenaya Way		
City: Las Vegas	State: NV	Zip: 89128
Reviewed By:	Date Received:	Date Accepted for Review:

The following checklist is intended as a guide for the engineer preparing a Technical Drainage Study to submit to the local entity and Clark County Regional Flood Control District (if necessary). The listed items are the minimum information required prior to the entity performing a review. The engineer will remain responsible to ensure the Technical Drainage Study is prepared within the guidelines as set forth in the Clark County Regional Flood Control District (CCRFCD) Hydrologic Criteria and Drainage Design Manual (MANUAL).

This document is intended as an aid in preparing Technical Drainage Studies. Each study submitted is reviewed for compliance with local and regional criteria. This form is not intended to be all inclusive and does not limit the extent of the information, calculations or exhibits which may be necessary to properly evaluate the intended land use.

If items are not applicable for the subject site, provide N/A.

I. GENERAL REQUIREMENT

Yes	No	
<u>X</u>	<u> </u>	Design Manual Standard Form 1 with the engineer's seal and signature.
<u> </u>	<u>N/A</u>	Design Manual Standard Form 4 .
<u>X</u>	<u> </u>	2 copies of the 24" x 36" Drainage Plan.
<u> </u>	<u>N/A</u>	A notarized letter from the adjacent property owner(s) allowing off-site grading or discharge.

II. MAPS AND EXHIBITS

Yes	No	
<u>X</u>	<u> </u>	A copy of a current Flood Insurance Rate Map (FIRM) with the site delineated.
<u>X</u>	<u> </u>	A copy of the current CCRFCD Master Plan Update Figure, (F-x), for Flood Control Facilities and Environmental areas with the site delineated.

REFERENCE:

STANDARD FORM 2

HYDROLOGIC CRITERIA AND DRAINAGE DESIGN MANUAL

DRAINAGE SUBMITTAL CHECKLIST

II. MAPS AND EXHIBITS (Continued)

Yes	No	
☐	☒ N/A	Off-site drainage basin maps for existing, interim and future conditions showing the existing topography, basin boundaries, concentration points, and flows in cfs.
☒	☐	On-site drainage basin maps for existing and proposed conditions showing the existing topography, basin boundaries, concentration points, and on-site and off-site flows in cfs.
☒	☐	Vicinity Map with local and major cross streets identified and a north arrow.

III. DRAINAGE PLAN

Yes	No	
☒	☐	Sheet size: 24" x 36" sealed by a registered engineer in the State of Nevada.
☒	☐	Minimum scale: 1" = 60'.
☒	☐	Project name.
☒	☐	Vicinity Map with local and major cross streets.
☒	☐	Revision box.
☒	☐	North arrow and bar scale.
☒	☐	Engineer's/consultant's address and phone number.
☒	☐	Elevation datum and benchmark.
☒	☐	Legend for symbols and abbreviations.
☐	☒ N/A	Cut/fill scarps, where applicable.
☒	☐	Street names, grades, widths.
☒	☐	Proposed future and existing spot grades for top of curbs and street crowns at lot lines, grade breaks, and along curb returns on both sides of the street.
☒	☐	Existing contours encompassing the site and 100 feet beyond with spot elevations for important locations, where appropriate.
☒	☐	Minimum finish floor elevations with top-of-curb elevations at upstream end of lot.
☐	☒ N/A	Proposed typical street sections.

REFERENCE:

STANDARD FORM 2

HYDROLOGIC CRITERIA AND DRAINAGE DESIGN MANUAL

DRAINAGE SUBMITTAL CHECKLIST

III. DRAINAGE PLAN (Continued)

Yes	No	
☐	N/A	Streets with off-set crowns.
☒	☐	Proposed contours or spot elevations in sufficient detail to exhibit intended drainage patterns and slopes.
☒	☐	Property lines.
☒	☐	Right-of-way lines and widths, existing and proposed.
☒	☐	Existing improvements and their elevations.
☒	☐	Delineation of proposed on-site drainage basins indicating area and 10-year and 100-year storm peak flows at basin concentration points.
☐	N/A	Concentration points and drainage flow direction with Q_{100} and V_{100} and D_{100} in streets.
☐	N/A	Cumulative flows, velocity, and direction of flow at upstream and downstream ends of site for the 10-year and 100-year flows.
☐	N/A	Location and cross-section of street capacity calculations.
☐	N/A	Cross-sectional detail for channels, including cutoff wall locations.
☒	☐	Existing and proposed drainage facilities, appurtenances, and connections (i.e., sidewalk, ditches, swales, storm drain systems, unimproved and improved channels, and culverts, etc.) stating size, material, shape, and slope with plan and profile and HGL calculations.
☒	☐	Existing and proposed drainage easements and widths shown with sufficient detail. A cross sectional detail must be provided that shows appropriate lining and reinforcement.
☐	N/A	Location and detail of existing, proposed, and future block wall openings. Minimum size is 16" x 48". Wrought iron gate is required for flows > 10 cfs.
☐	N/A	Location and detail of flood walls illustrating depth of flow, proposed grouting height, etc.
☐	N/A	Perimeter retaining wall locations. All existing and proposed walls (retaining screen and flood) must be shown with adjacent ground elevations. Flood walls with 8-inch concrete masonry unit.
☒	☐	Building and/or lot numbers.
☐	N/A	Alignment of all existing, proposed, or future Regional Facilities adjacent to the site.
☐	N/A	Limits of existing floodplain based on current FIRM or best available information; limits of proposed floodplains based on best available information.

REFERENCE:

STANDARD FORM 2

HYDROLOGIC CRITERIA AND DRAINAGE DESIGN MANUAL

DRAINAGE SUBMITTAL CHECKLIST

III. DRAINAGE PLAN (Continued)

Yes	No	
☐	<u>N/A</u>	For areas in Zone A, AE, AH, and AO, base flood elevations (BFEs) must be shown for each lot; BFEs may be listed on each lot, or in a table. Finish floor elevations must be a minimum of 18 inches above BFE.
☐	<u>N/A</u>	Appropriately elevated "humps" 6 inches above the 100 year water surface elevation at site accesses where the intent is to protect the site from the Q_{100} flows.
☐	<u>N/A</u>	Street slopes for perimeter and interior streets. The minimum slope is 0.4 percent.
☐	<u>N/A</u>	Location and detail of best management practice (BMP) for parking lots and low impact development (LID) (if required).

IV. HYDROLOGIC ANALYSIS

Yes	No	
<u>X</u>	☐	Appropriate soil information and Soils Map for existing and future conditions with subbasins and property delineated.
☐	<u>N/A</u>	Input and output information for existing conditions from computer models (HEC-1 or TR-55). The flow routing diagram must be provided with HEC-1 models.
☐	<u>N/A</u>	Input and output information for future conditions from computer models (HEC-1 or TR-55). The flow routing diagram must be provided with HEC-1 models.
☐	<u>N/A</u>	Use of correct precipitation values in and around the McCarran Airport rainfall area.
☐	<u>N/A</u>	A discussion in the text of the hydrologic analysis justifying subbasin boundaries and cutoffs, supporting assumptions, and calculations.
<u>X</u>	☐	A summary table of stormwater flows showing basin area, Q_{10} and Q_{100} for both individual basins and combined basin flows, where applicable.
<u>X</u>	☐	Copies of supporting technical information referenced from a previously approved study and a statement accepting these results.
<u>X</u>	☐	On-site facilities must perpetuate flows through or around the site without significantly impacting adjacent property owners in accordance with current Nevada Drainage Law.
☐	<u>N/A</u>	Calculation for impervious area for parking lots and LIDs (if required).

REFERENCE:

STANDARD FORM 2

HYDROLOGIC CRITERIA AND DRAINAGE DESIGN MANUAL

DRAINAGE SUBMITTAL CHECKLIST

V. HYDRAULIC ANALYSIS

Yes	No	
☐	<u>N/A</u>	Flow split calculations and supporting documentation or reference for the method of flow split calculations used.
☐	<u>N/A</u>	Normal depth street flow calculations and cross section diagrams for all interior and perimeter streets. Provide "d x v" products for the Q_{100} and Q_{10} flows representing the worst case for interior and all perimeter streets. $Q_{100} d \times v \leq 8$. $Q_{10} d \times v \leq 6$ and 12 foot dry lane for rights-of-way ≥ 80 feet. Calculations must be labeled by street name as indicated on the Grading Plan.
☐	<u>N/A</u>	A summary table of interior and exterior street capacity calculations showing the street name, Q_{100} flow, slope, depth of flow, velocity and depth times velocity product and streets needing to meet 12 foot dry lane criteria.
☐	<u>N/A</u>	Appropriate hydraulic calculations for block wall openings assuming a 50 percent vertical clogging factor. (Assume the lower half of the opening is plugged.)
☐	<u>N/A</u>	Appropriate hydraulic calculations at drainage easement entrance and discharge locations to set finish floor elevations. Hydraulic calculations must include submerged weir, superelevation and tee intersection losses, where appropriate.
☐	<u>N/A</u>	Provide necessary freeboard requirements to set the finished floor elevations of all proposed buildings, 2 x depth of flow or depth of flow plus 18 inches of freeboard, whichever is less. The minimum requirement is 6 inches above adjacent upstream top of curb. Buildings adjacent to drainage easements must always be provided with 18 inches of freeboard above the Q_{100} weir height or flow depth, whichever is greater.
☐	<u>N/A</u>	A complete water surface profile analysis (HEC-2, HEC-RAS, etc.) for channel flows and FEMA Zone A flood zones. • Field survey data. • Input and output information. • Plotted cross-sections based on survey with proper encroachments. • A map showing the location of the cross-sections. • Analysis of both sub and super-critical flow segments. • A summary table and a discussion of the results in the text of the report.
☐	<u>N/A</u>	Provide a 50 percent clogging factor in the capacity calculation for drop inlets.
☐	<u>N/A</u>	Hydraulic calculations for culverts and storm drains. D-Load calculations must be provided for storm drain pipes in public rights-of-way, including headwater pool inundation.
☐	<u>N/A</u>	The mitigation of nuisance water, both during construction and in the fully developed condition, must be addressed.
☐	<u>N/A</u>	Provide BMP type, size and supporting calculations for parking lots and LIDs (if required).

REFERENCE:

STANDARD FORM 2



July 15, 2020

Mr. Albert Sung, P.E.
City of Las Vegas
333 N. Rancho Drive
Las Vegas, Nevada, 89106

**Reference: MountainView Hospital – ED Expansion
Drainage Letter**

Dear Mr. Sung:

The proposed project includes an ED Expansion to the existing MountainView Hospital in Las Vegas, Nevada (3100 North Tenaya Way, Las Vegas, NV 89128). These improvements will not increase but simply reconfigure existing impervious surfaces while maintaining approved drainage patterns.

The original drainage study for the referenced site was approved on October 22, 1994, and prepared by G.C. Wallace, Inc. The latest revision to this study was prepared by Littlejohn Engineering Associates and was dated January 16, 2012. It is now proposed to construct the above ED Expansion to the southern side of the hospital. This expansion will also include the reconfiguration of nearby parking and drive aisles. These improvements will reconfigure existing impervious surfaces (and slightly decrease the impervious area) while maintaining approved drainage patterns.

Since the approved drainage analysis has not be altered in terms of impervious area or drainage pattern, this submit constitutes an update to the approved drainage study to address the proposed construction. Please refer to Sheets C5.0 and C6.0 (included with this submittal) for more details.

Should you have any questions, please feel free to contact me via e-mail (oberryhill@smeinc.com) or phone (407-975-1273).

Sincerely,

S&ME, Inc.

A handwritten signature in black ink that reads "Olivia Berryhill".

Olivia Berryhill, P.E.
Project Manager



CITY OF LAS VEGAS

MINIMUM DRAINAGE STUDY CRITERIA STANDARD FORM 2 CHECKLIST SUPPLEMENT

(Revised 5/18/11)

The following checklist is intended as a supplemental guide for the engineer preparing a Technical Drainage Study submittal to the City of Las Vegas. This supplement focuses on requirements specific to the City of Las Vegas. The requirements presented are in addition to the Clark County Regional Flood Control District (CCRFCDD) Manual Standard Form 2. The listed items are the minimum information required prior to the City performing a review. The engineer will remain responsible to ensure the Technical Drainage Study is prepared within the guidelines as set forth in the CCRFCDD Hydrologic Criteria and Drainage Design Manual (Design Manual).

An appointment must be made to preview this checklist in conjunction with CCRFCDD Standard Form 2 prior to the City accepting a new drainage study for review. The engineer must contact the Flood Control Section at (702) 229-6541 to schedule a submittal appointment.

If items are not applicable for the subject site, provide N/A.

I. GENERAL REQUIREMENT		
Yes	No	
	N/A	A notarized letter from the adjacent property owner(s) allowing off-site grading. (A copy of the letter must be received prior to final acceptance of the drainage study.)
	X	Copies of all conditions of approval for development related to this property. (e.g. zoning, use permit, tentative map, etc.) Verify compliance with conditions.
X		An electronic copy of the complete submittal is required to be submitted with one original hard copy of the study. Electronic documents should be on a universal computer-readable digital output device replicating your submittal. An Indexed Portable Document Format (PDF) or Print Ready CAD file formats with a minimum of 300dpi are the desired formats. If figures are in color, they must be scanned in color and saved as a separate file. <u>OAB</u> by initial here, the engineer on record acknowledges that the electronic copy is an identical replicate of the original hard copy submitted to the City of Las Vegas.

II. GRADING PLAN INFORMATION		
Yes	No	
X		(1) 24" X 36" copy of the Grading Plan, (including all Detail Sheets) sealed by the engineer.
X		Proposed future and existing spot grades for top of curbs and street crowns at lot lines, grade breaks, and along curb returns on both sides of the street. Note: Proposed top of curb elevations must be provided for both sides of roadways even if only half street construction is required.
X		Label existing topography at a minimum 5 foot elevation interval including adjacent developments, finished floor elevations of existing buildings and top of existing curbs extending 100 feet around the perimeter of the site. (*Measured from the centerline of the adjacent roadway.)

CITY OF LAS VEGAS MINIMUM DRAINAGE STUDY CRITERIA CHECKLIST

II. GRADING PLAN INFORMATION		
Yes	No	
	N/A	Proposed on-site and off-site storm drains and other flood control facilities with plan and profile sheets for public storm drains showing the class of pipe, (Class III, IV, V, etc.), design hydraulic grade line, (HGL) and 100 year storm flow. A public drainage easement must be provided over on-site storm drains conveying off-site flows. An overflow path must be provided over all storm drains.
	N/A	All existing and "to be constructed" walls with cross-sections showing wall type, (e.g. block wall, retaining wall, flood wall, etc.), with limits clearly defined, adjacent ground elevations. Wall heights must meet current ordinances and in no case exceed 14 feet above the adjacent property.
X		Street slopes for both interior and perimeter streets. Note: The minimum slope for a roadway is 0.4 percent, a minimum 18-inch storm drain must be provided where minimum slopes cannot be met.
X		Back of lot elevations and lot drainage pattern for all lots including common lots.
	N/A	Sites with a grade difference two feet above or below existing ground are required to have approval from City of Las Vegas Current Planning. Current Planning approval is required prior to final approval of the drainage study.
	N/A	On-site facilities must perpetuate flows through or around the site without significantly impacting adjacent property owners. (The project must pass flows through the site every 600 feet where the project is blocking flow paths.)
	X	This project uses a solid grouted stem wall (or approved alternate) at the back of sidewalk to provide erosion protection for landscaped areas where the depth of flow in the roadway exceeds the back of walk elevation. A corresponding cross-section detail is included.
	N/A	Commercial and Common Lot Landscape areas are not allowed to drain over the sidewalk. The grading plans show flow lines with grades and sidewalk under drains for all landscape areas draining to the public ROW.

III. Local Entity Criteria - City of Las Vegas – Manual Section 1600		
Yes	No	
	N/A	Concrete valley gutters are required in parking lots with slopes less than 1 percent. Slopes through cul-de-sac must be at a 1 percent minimum where flow is drained through the cul-de-sac.
	N/A	Ten-foot wide public drainage easements to be privately maintained are allowed for flow less than 20 cfs. The depth of flow entering the easement must be checked using the submerged weir calculation.
	N/A	The limits of the flood zones and the base flood elevations (BFE) must be shown on all grading plans for all developments within a Special Flood Hazard Zone A, AO, AE, etc.
X		Minimum finish floor elevation is 6 inches above highest adjacent top of curb. Finish floor calculations must include allowances for super elevations on curves and velocity head for tee intersections.
X		Finished floor elevations for buildings adjacent to public drainage easements must be a minimum of 18 inches above the Q100 weir of submerged weir elevation, whichever is greater.

CITY OF LAS VEGAS MINIMUM DRAINAGE STUDY CRITERIA CHECKLIST

III. Local Entity Criteria - City of Las Vegas – Manual Section 1600		
Yes	No	
	N/A	Lots with “B and C Type Drainage” that drain from one lot to another through a drainage easement shall be required to install an underground nuisance drainage system or a 2-foot valley gutter. 16” x 24” minimum block wall openings are required for both options.
	N/A	Bubblers are required across 80 foot and greater ROW streets. When flows exceed 10 cfs, bubblers larger than 18 inches will be required up to a maximum of 36”. Inlets must be sized to match the pipe size provided.

- Contact the Flood Control Section regarding the drainage study review fee. These fees are payable at the time of submittal.
- The Drainage Study must be conditionally approved prior to submitting improvement plans to the Civil and Planning Development of the Department of Building and Safety for review.

This document is intended as an **aid** in preparing Technical Drainage Studies for the City of Las Vegas. Each study submitted is reviewed for compliance with local and regional criteria. This form is not intended to be all-inclusive and does not limit the extent of the information, calculations or exhibits which may be necessary to properly evaluate the intended land use.



August 21, 2020

City of Las Vegas
Public Works Department
333 N. Rancho Dr. 7th Floor
Las Vegas, Nevada 89106

**RE: Mountainview Hospital ER Expansion
Drainage CD Letter
Las Vegas, Nevada**

To Whom It May Concern:

This letter is to inform you that the electronic CD documents match the previously provided hardcopy submittal documents.

Sincerely,

S&ME, INC.

A handwritten signature in black ink that reads "Olivia Berryhill".

Olivia Berryhill, PE
Associate Project Manager



Transmittal

DATE: August 21, 2020 **Project No.:** 567119025
TO: Albert Sung **Project Phase:**
Company: City of Las Vegas – Flood Control Department
Address: 333 N. Rancho Drive, Las Vegas Nevada 89106
Phone: 702-229-2001
Project Name: MountainView Hospital – ED Expansion

We are sending the following:

☒ Letter	☐ Drawings	☐ Contract
☐ Change Order	☒ Computer Disk	☐ Specifications
☐ Other		

Via:

☐ Mail	☐ Courier	☒ Overnight
-------------------------------	----------------------------------	---

Purpose:

☐ Approval	☐ Your Use	☐ Your Records
☐ Review & Comment	☒ As Requested	☐ Bids Due

Description	Sets
Letter	1
CD	1

Remarks:

Please feel free to contact me if there are any questions. Phone: 407-975-1273 Email: oberryhill@smeinc.com

COPIES:

FROM:

Olivia Berryhill, PE

PROJECT INFO.

FACILITY NAME:
MOUNTAINVIEW HOSPITAL

PROJECT DESCRIPTION:
HCA PROJECT NUMBER:
AHJ PROJECT NUMBERS:
CON NUMBER:
ARCHITECT PROJECT NUMBER:
19025.00

OWNER CONTACTS

HCA TEAM CONTACTS

DESIGN MANAGER:
CONSTRUCTION MANAGER:
ONE PARK PLAZA, P.O. BOX 550
BUILDING 9, 3RD FLOOR EAST
NASHVILLE, TN 37203
T: 615.344.2703

PROJECT CONTACTS

DESIGN TEAM CONTACTS

ARCHITECT & INTERIOR DESIGN
EARL SWINSON ASSOCIATES, INC.
103 FRANKLIN STREET
SUITE 800
NASHVILLE, TENNESSEE 37203
T: 615.329.9445

TELEPHONE
PROJECT MANAGER

TELEPHONE
PROJECT MANAGER

TELEPHONE
PROJECT MANAGER

TELEPHONE
PROJECT MANAGER

TELEPHONE
PROJECT MANAGER

© Projects 2019/5671-19-025_E5a_MountainView_ED/CAD/Construction/567119025_C5-CLAY.dwg-C5.0 Site Layout Plan Jan 30, 2020 - 5:19pm oberryhill

© Projects 2019/5671-19-025_E5a_MountainView_ED/CAD/Construction/567119025_C5-CLAY.dwg

SITE LAYOUT KEYNOTES		
CODE	DESCRIPTION	DET #/SHT #
S1a	ASPHALT PAVEMENT - LIGHT DUTY	1 / C8.0
S1b	ASPHALT PAVEMENT - HEAVY DUTY	1 / C8.0
S2	CONCRETE PAVEMENT	2 / C8.0
S3a	CONCRETE POST CURB	6 / C8.0
S3b	CONCRETE CURB AND GUTTER	5 / C8.0
S4a	CONCRETE SIDEWALK	3 / C8.0
S5	SIDEWALK JOINTS	4 / C8.0
S6	ACCESSIBLE SYMBOL	10 / C8.0
S7	ACCESSIBLE PARKING SPACE	7 / C8.0
S10	CONCRETE WHEELSTOP	9 / C8.0
S12	ELEVATED WALK WITH HANDRAIL	6 / C8.1
S13	RAMP WITH HANDRAIL	7 / C8.1
S18	DIRECTIONAL ARROWS	12 / C8.0
S19	PEDESTRIAN CROSSWALK	11 / C8.0
S20	PRECAST CONCRETE BOLLARDS 7' O.C. AT FLUSH CONDITION (COLOR TO BE SELECTED BY ARCHITECT)	WAUSAU MODEL TF6021

SITE SIGNAGE KEYNOTES		
CODE	DESCRIPTION	DET #/SHT #
SG1	ADA LOADING ZONE SIGN	

PROPOSED FEATURES LEGEND	
BUILDING	[Pattern]
CONCRETE PAVEMENT	[Pattern]
CONCRETE SIDEWALK	[Pattern]
HEAVY DUTY PAVEMENT	[Pattern]
LIGHT DUTY PAVEMENT	[Pattern]
PAINTED STRIPE	[Pattern]
CONCRETE CURB	[Pattern]
CENTERLINE	[Pattern]
LIGHT POLE LOCATION	[Symbol]
SILT FENCE	[Symbol]
TREE PROTECTION	[Symbol]

NOTE:
1. SEE SHEET C2.0 FOR GENERAL NOTES.

811

Know what's below.
Call before you dig.

0 30 60 90

GRAPHIC SCALE

1 INCH = 30 FEET

N

North Arrow

1615 EDGEWATER DRIVE, STE 200.
ORLANDO, FLORIDA 32804
T 407.975.1273
F 407.975.1278
www.smeinc.com

Olivia Berryhill, P.E. 027162
Edward Browder PLA LA 1049
Nevada Firm Registration No. 16396

MOUNTAINVIEW
HOSPITAL
A Sunstar Health System Hospital

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

NO.	DATE	DESCRIPTION	BY	CHK	APV
1	01/31/2020	CONSTRUCTION DOCUMENTS	CV	GH	

PROJECT NUMBER
567119025

DRAWING NUMBER
C5.0

DRAWING NAME
SITE LAYOUT PLAN

1615 EDGEWATER DRIVE, STE 200.
ORLANDO, FLORIDA 32804
T 407.975.1273
F 407.975.1278
www.smeinc.com

Seals

OLIVIA BERRYHILL
P.E. 027162
Exp. 12/31/2021
CIVIL
027162

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

PROJECT INFO.

FACILITY NAME:
MOUNTAINVIEW HOSPITAL

PROJECT DESCRIPTION:
HCA PROJECT NUMBER:
AHU PROJECT NUMBERS:
CON NUMBER:
ARCHITECT PROJECT NUMBER:
19025.00

OWNER CONTACTS

HCA TEAM CONTACTS

DESIGN MANAGER:

CONSTRUCTION MANAGER:
ONE PARK PLAZA, P.O. BOX 550
BUILDING 8, 3RD FLOOR EAST
NASHVILLE, TN 37203
T: 615.344.2703

PROJECT CONTACTS

DESIGN TEAM CONTACTS

ARCHITECT & INTERIOR DESIGN
EARL SWENSON ASSOCIATES, INC.
1031 ROCKHURST STREET
SUITE 800
NASHVILLE, TENNESSEE 37203
T: 615.329.9445

TELEPHONE
PROJECT MANAGER

TELEPHONE
PROJECT MANAGER

TELEPHONE
PROJECT MANAGER

TELEPHONE
PROJECT MANAGER

TELEPHONE
PROJECT MANAGER

TELEPHONE
PROJECT MANAGER

© Projects 2019/5671-19-025_Esa_MountainView_ED/CAD/Construction/567119025_C6-0_GRA.dwg - C6-0 Grading & Drainage Plan Jan 30, 2020 - 5:19pm dberryhill

© Projects 2019/5671-19-025_Esa_MountainView_ED/CAD/Construction/567119025_C6-0_GRA.dwg

PROPOSED DRAINAGE STRUCTURES						
CODE	STRUCTURE	DETAIL	DEPTH	ELEVATION		
	DESCRIPTION			TOP OF GRATE	INVERT	
A1	EXISTING MANHOLE	4 / C8.1	2.36	2325.00	2322.64	
A2	NDS DRAIN INLET	8 / C8.1	2.01	2324.96	2322.95	
A3	NDS DRAIN INLET	8 / C8.1	2.68	2326.83	2324.15	
B1	ROOF DRAIN	SEE MEP PLANS	6.41	2329.88	2323.47	

PROPOSED STORM DRAIN PIPE						
FROM	TO	GRADE	DIAMETER (IN)	TYPE	LENGTH (L.F.)	
CODE	INV.	CODE	INV.			
A2	2322.95	A1	2322.64	1.00%	12	PVC
A3	2324.15	A2	2322.95	1.00%	12	PVC
B1	2323.47	A2	2322.95	3.50%	6	PVC

GRADING & DRAINAGE KEYNOTES	
CODE	DESCRIPTION
G16	FLUSH CONDITION
G17	TRANSITION FROM FLUSH CONDITION TO 6" CURB OVER 15 FEET

PROPOSED FEATURES LEGEND

STORM PIPE & INLET — S T

SPOT ELEVATION + 91.8

PROPOSED CONTOUR 90

DRAINAGE STRUCTURE C3

SILT FENCE SF

TREE PROTECTION T P

NOTES:

- SEE SHEET C2.0 FOR GRADING AND DRAINAGE NOTES.
- ALL ELEVATIONS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

Know what's below.
Call before you dig.

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

NO.	DATE	DESCRIPTION	BY	CHK	APV
1	01/31/2020	CONSTRUCTION DOCUMENTS	CV	OB	GH

PROJECT NUMBER
567119025

DRAWING NUMBER
C6.0

DRAWING NAME
GRADING &
DRAINAGE PLAN

1615 EDGEWATER DRIVE, STE 200.
ORLANDO, FLORIDA 32804
T 407.975.1273
F 407.975.1278
www.smeinc.com

Seals

Olivia Berryhill, P.E. 027162
Edward Browder PLA LA 1049
Nevada Firm Registration No. 16396

MOUNTAINVIEW HOSPITAL
ED EXPANSION
LAS VEGAS, NEVADA

NO.	DATE	DESCRIPTION	BY	CHK	APV
1	01/31/2020	CONSTRUCTION DOCUMENTS	CV	OB	GH

PROJECT NUMBER
567119025

DRAWING NUMBER
C6.0

DRAWING NAME
GRADING &
DRAINAGE PLAN

Issue Description	CD PACKAGE
Original Issue Date	2020-01-31
HCA Project No	
Project No	567119025
Drawn By	OB
Checked By	GH
Drawing Title	

GRADING & DRAINAGE
PLAN

Sheet Number

C6.0

MOUNTAINVIEW HOSPITAL

3100 N. Tenaya Way Las Vegas, NV



City of Las Vegas

Development Services Center
333 N. Rancho Drive
Las Vegas, NV 89106

Online Payment Summary

Payment Details:

Date: 07/31/2020 9.55.27 AM

Total Payment Amount: \$400.00

Payment Confirmation Number: 723151

Payment Transaction Number: AF0A2F2027FA

Authorization Number: 05664C

Transaction Summary:

1 Permit/Application/Case #: DS05312-TECH
Project Name: Mountain View Hospital - ED E
Initial DS Review Fee
Total Due:

Address:

\$400.00

\$400.00