

DS #: 4520

APN: 138-15-510-005

Mountain view Hospital-Emergency & ICU Additions-

PROJECT: Update

SUBMITTAL: 3rd

SCANNED BY/DATE: _____

CHECKED BY/DATE: _____



CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM

DATE:

January 26, 2012

TO:

Land Development Services
Department of Public Works

FROM:

Albert Sung, P.E.
Flood Control Project Engineer
Department of Public Works

SUBJECT:

Drainage Study for:

Mountain View Hospital – Emergency & ICU Additions -
Update

COPIES TO:

Littlejohn Engineering Associates

Cross Streets:

SEC of Cheyenne Boulevard & Tenaya Way

Sunrise Mountain View Hospital

File Number:

F:\Depot\DSMemos\DS4520C.doc

Bart Anderson, P.E., DevCo

Parcel Number:

138-15-510-005

Zoning Action:

SDR-40551 & SUP-40552

FEMA Flood Zone

YES

NO

X

Proposed Storm Drain

YES

NO

X

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Transaction #
1 st Submittal	2/9/2011	2/24/2011	Not Approved	\$400.00	162325: \$400
2 nd Submittal	3/16/2011	3/29/2011	Approved	\$400.00	164589: \$400
3 rd Submittal	1/19/2012	1/26/2012	See Comments Below	N/C	N/C
TOTAL FEES (LDDRS):				\$800.00	----

REMARKS:

3rd Submittal: Update to add two stair towers, one to the east side of the new addition and another to the west side of the expansion

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 NDOT 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 Amendment 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.

NOTE: This drainage study assumes that the project will be constructed in one phase. If improvement plans are submitted to break the project into separate phases, a drainage study update will be required for each phase addressing the interim condition.

END OF REMARKS

ays

T/R/S: T20S/R60E/15

AREA L-15

Albert Sung

From: George Huddleston [ghuddleston@leainc.com]
Sent: Thursday, January 19, 2012 10:29 AM
To: Albert Sung
Subject: RE: MountainView Hospital - Vertical Expansion

Hey Albert,

I just received an e-mail verification that the package was delivered (it may not be on your desk yet, but it's somewhere in the building). My apologies for the delay... FedEx was two days late on delivery and they never called me to ask for instructions or anything. We'll be filing a complaint and refusing payment.

I realize this doesn't directly concern you - just wanted to explain the late-arriving package!

Let me know if you have any question.

Thanks,

George Huddleston, III, EI
LEED® Accredited Professional
Project Engineer

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Nashville | Chattanooga | Decatur | Orlando | Phoenix | Tri-Cities

1615 Edgewater Drive
Suite 180
Orlando, Florida 32804
P: 407-975-1273 F: 407-975-1278
ghuddleston@leainc.com
www.leainc.com



From: Albert Sung [<mailto:YSung@LasVegasNevada.GOV>]
Sent: Tuesday, January 17, 2012 12:34 PM
To: George Huddleston
Subject: RE: MountainView Hospital - Vertical Expansion

Thanks George. Looking forward to receiving the package.

From: George Huddleston [<mailto:ghuddleston@leainc.com>]
Sent: Monday, January 16, 2012 1:17 PM
To: Albert Sung
Subject: RE: MountainView Hospital - Vertical Expansion

Albert,

In following up on my e-mail below, I just wanted to let you know that I put all of this in the overnight mail today. So you should receive this tomorrow via FedEx. Let me know if you have any questions...

Thanks!

George Huddleston, III, EIT
LEED® Accredited Professional
Project Engineer

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Nashville | Chattanooga | Decatur | Orlando | Phoenix | Tri-Cities

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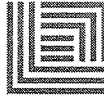


From: George Huddleston
Sent: Tuesday, January 10, 2012 10:58 AM
To: 'YSung@LasVegasNevada.GOV'
Cc: 'KBerg@LasVegasNevada.GOV'
Subject: MountainView Hospital - Vertical Expansion

Hey Albert,

Thank you for returning my call this morning. As we discussed, the proposed improvements have very little impact to the site (only two small stairwells are being added – see clouded items in attached PDFs [the one concrete drive is only clouded because we slid it out a few feet – it is not a new addition to the plans]). I will send you a letter describing the project and explaining that the overall drainage patterns will not be altered and that the runoff will be negligibly impacted. I will also send you a copy of the plans (just the site layout and grading plan) as well as all of this information digitally, on a CD.

Thanks again for all of your help!



LITTLEJOHN ENGINEERING ASSOCIATES

January 16, 2012

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

**RE: MountainView Hospital (DS 1374)
Vertical Expansion Project
Las Vegas, Nevada**

Dear Mr. Sung:

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 our firm, Littlejohn Engineering Associates, and dated February 7, 2011. As you discussed last week with George Huddleston of our firm, it is now proposed to construct a vertical expansion atop the building addition currently under construction.

Although this expansion is primarily vertical, there will be a small adjustment to the site plan. Two stair towers will be added, one to the east side of the expansion and another to the west side of the expansion. These improvements will be tied into the existing roof drain system and will not alter the previously approved drainage patterns at all. Furthermore, the building footprint addition of the stair towers will have a negligible effect on the stormwater runoff (especially considering that the site was designed using a "commercially developed" curve number of 93, rather than by a pervious/impervious analysis).

Since the approved drainage analysis has not been altered in terms of runoff or drainage patterns, this submittal constitutes an update to the approved drainage study to address the proposed construction. Please refer to sheets C5.1, C5.2, C6.1, and C6.2 (included with this submittal) for more details.

Sincerely,

LITTLEJOHN ENGINEERING ASSOCIATES, INC.

James H. Littlejohn, PE

1935 21ST AVENUE SOUTH, NASHVILLE, TENNESSEE 37212
T 615.385.4144 F 615.385.4020

Nashville | Chattanooga | Decatur | Orlando | Phoenix | Tri-Cities

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Engineering
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GRADING PLAN

LAS VEGAS, NEVADA

MOUNTAIN VIEW HOSPITAL

EMERGENCY & ICU DEPARTMENT ADDITIONS

and INTERIOR RENOVATIONS

OWNER / DEVELOPER

SUNRISE MOUNTAINVIEW HOSPITAL

3100 N TENAYA WAY

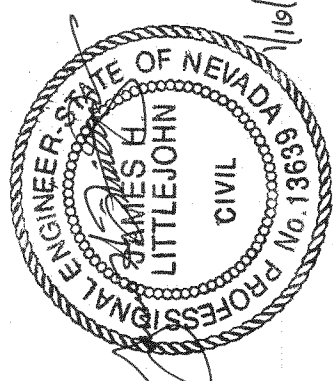
LAS VEGAS, NV 89128

P: (702) 225-5065

LITTLEJOHN

ENGINEERING

ASSOCIATES

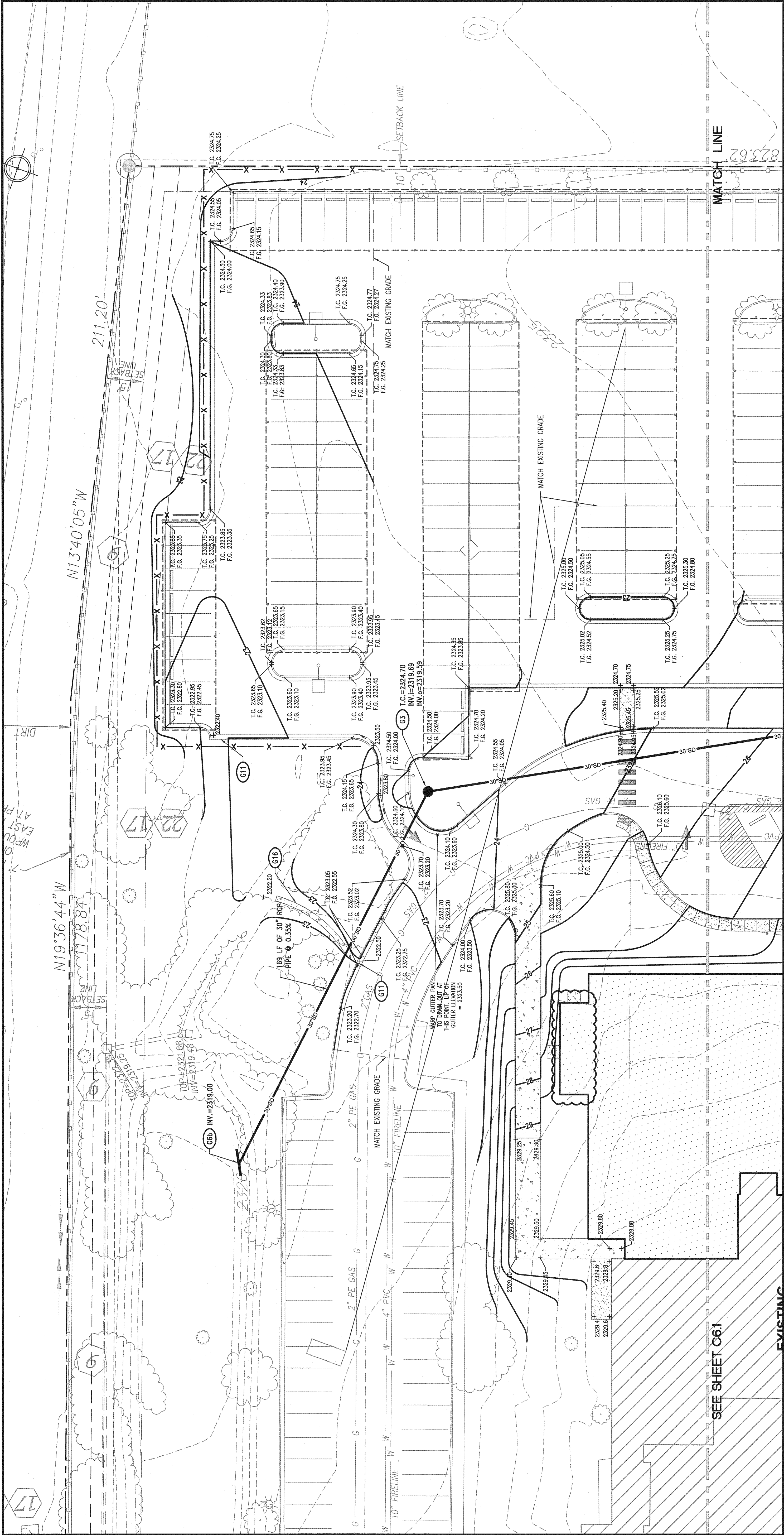


EXPIRATION DATE: 12/31/2011

LEA PROJECT

IDENTIFICATION # 29187

Sheet Number



GRADING & DRAINAGE KEY NOTE		
CODE	DESCRIPTION	DETAIL REF.
G20	SINGLE CATCH BASIN	3-CB.1
G3	JUNCTION MANHOLE	5-CB.1
G60	CONCRETE HEADWALL	4-CB.2
G17	2' CURB CUT	7-CB.2
G19	TRANSITION FROM FLUSH CONDITIONS TO 6" CURB OVER 15 FEET	6-CB.2
G18	CONCRETE SWALE	9-CB.1

- SITE GRADING NOTES

1. SEE SHEET C2.0 FOR GRADING NOTES.

2. SEE SHEET C2.1 FOR CITY OF LAS VEGAS GRADING NOTES.

3. ALL ON-SITE STORM DRAIN SYSTEMS AND ASSOCIATED FACILITIES ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED.

4. ALL PROPOSED CATCH BASINS TO BE JENSEN PRECAST MODEL D2424 (24"x24" GRADE) OR APPROVED EQUAL.

5. PROPOSED JUNCTION MANHOLE TO BE JENSEN PRECAST MODEL MAG 520 (48" INNER DIAMETER) OR APPROVED EQUAL.

6. PROPOSED HEADWALL TO BE JENSEN PRECAST MODEL MAG 501-1 (30" INSIDE PIPE DIAMETER) OR APPROVED EQUAL.

7. SEE SHEET C6.0 FOR BENCHMARK

PROPOSED FEATURES LEGEND:

- 5221

PROPOSED CONTOURS
- SETBACKS AND EASEMENTS
- WATER LINE



811

Know what's below. Call before you dig.

CALL 811 NATIONWIDE

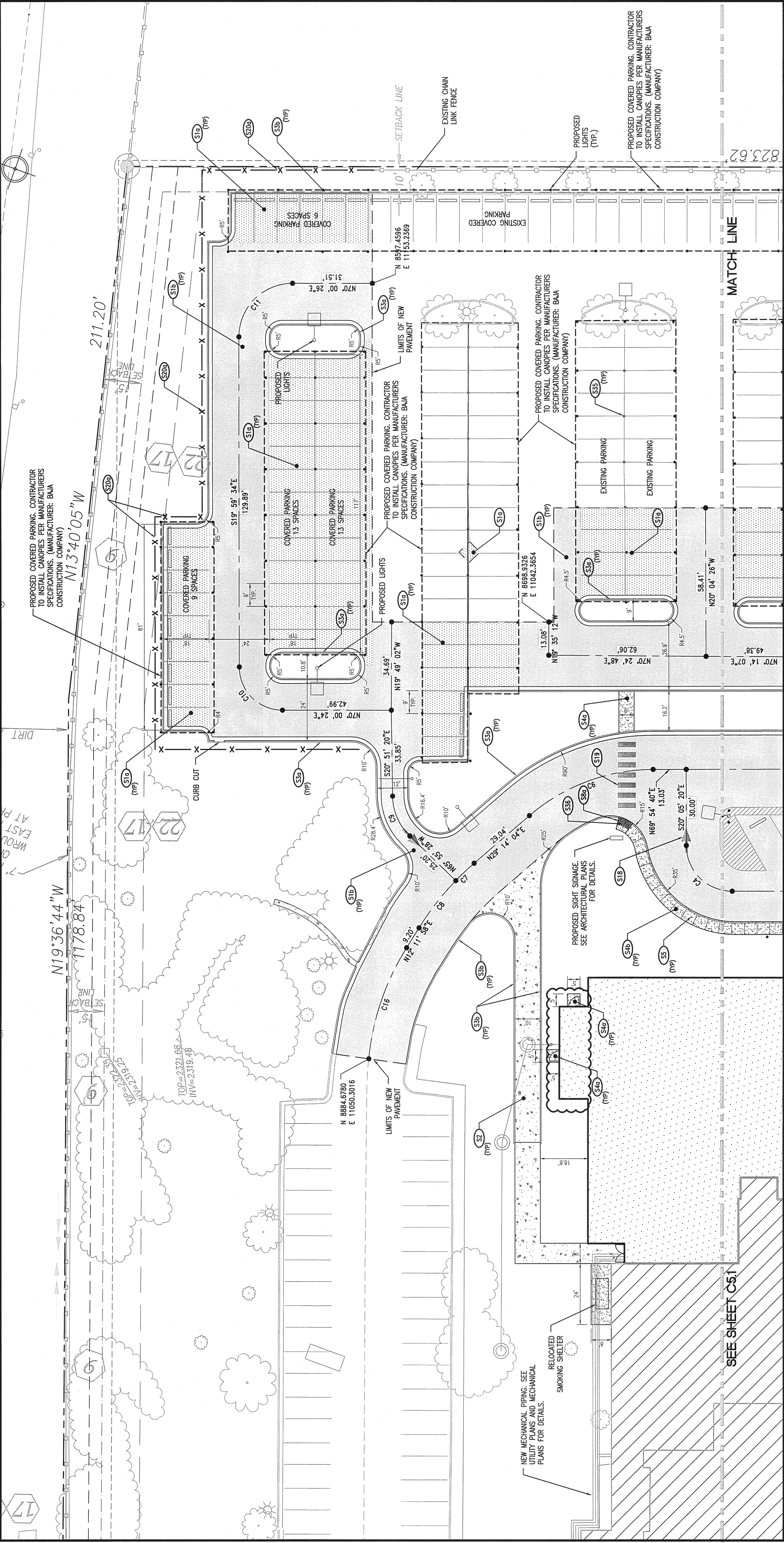
IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT UTILITY COMPANIES TWO (2) BUSINESS DAYS PRIOR TO ANY CONSTRUCTION ACTIVITIES TO IDENTIFY THE LOCATION OF ALL UNDERGROUND UTILITIES AND POSSIBLY INCOMPLETE, THEREFORE CERTIFICATION TO THE LOCATION OF ALL UNDERGROUND UTILITIES IS WITHHELD.

THE GRADING PLAN CONFORMS WITH APPROVED DRAINAGE STUDY DS-4520.

JIM LITTLEJOHN P.E.

LITTLEJOHN ENGINEERING ASSOCIATES

DATE

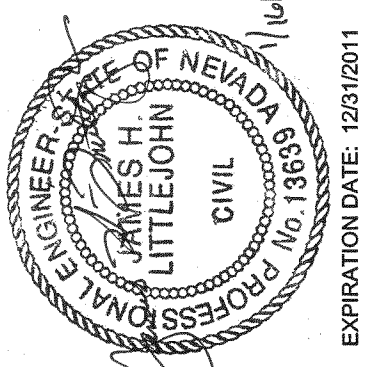


MOUNTAIN VIEW HOSPITAL
EMERGENCY & ICU DEPARTMENT ADDITIONS
and INTERIOR RENOVATIONS

SITE LAYOUT PLAN
LAS VEGAS, NEVADA

OWNER / DEVELOPER
SUNRISE MOUNTAIN/NEW HOSPITAL
3100 N TENAYA WAY
LAS VEGAS, NV 89128
P: (702) 225-5065

LITTLEJOHN
ENGINEERING
ASSOCIATES
15151 EAST MOUNTAIN ROAD, SUITE 200, LAS VEGAS, NV 89123
P: (702) 225-5065



EXPIRATION DATE: 12/31/2011
LEA PROJECT
IDENTIFICATION # 29187
Sheet Number

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	CHORD LENGTH
C4	28.27	18.00	S65° 05' 20"E	25.46
C6	53.24	75.00	N49° 34' 31"E	52.13
C7	9.93	110.26	S16° 39' 18"E	9.92
C8	23.58	110.26	N17° 56' 53"E	23.54
C9	17.59	22.36	S43° 23' 41"E	17.14
C10	26.70	17.00	S84° 59' 34"E	24.04
C11	33.11	21.08	N25° 00' 26"E	29.81
C16	46.59	100.00	N1° 08' 52"W	46.17

CALL
811
NATIONWIDE

Know what's below.
Call before you dig.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE UTILITY LOCATING SERVICE (811) PRIOR TO ANY CONSTRUCTION. THE LOCATION OF UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND POSSIBLY INCOMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UNDERGROUND UTILITIES IS WITH FIELD.

APPROVED FOR CONSTRUCTION

LAS VEGAS FIRE & RESCUE

DATE

SITE LAYOUT KEY NOTE		
CODE	DESCRIPTION	DETAIL REF.
S16	ASPHALT PAVEMENT LIGHT DUTY	1-C8.0
S17	ASPHALT PAVEMENT HEAVY DUTY	1-C8.0
S2	CONCRETE PAVEMENT	1-C8.0
S3a	CONCRETE CURB & GUTTER	2-C8.0
S3b	CONCRETE POST CURB	2-C8.0
S3c	CONCRETE SIDEWALK	6-C8.0
S3d	CONCRETE WALK W/TURN DOWN CURB	6-C8.0
S3e	CONCRETE WALK AT CURB & GUTTER	6-C8.0
S3f	SIDEWALK JOINTS	3-C8.0
S3g	ACCESSIBLE SYMBOL	8-C8.0
S3h	ACCESSIBLE PARKING AREA	7-C8.0
S3i	ACCESSIBLE RAMP	11-C8.0
S3j	ACCESSIBLE CURB OUT RAMP	7-C8.1
S3k	ACCESSIBLE RAMP AT CURB RETURN	8-C8.2
S3l	STRIPING	8-C8.1
S3m	CONCRETE WHEEL STOP	5-C8.0

CODE	DESCRIPTION	DETAIL REF.
S17a	CONCRETE BOLLARD	10-C8.0
S17b	DIRECTIONAL ARROW	9-C8.0
S17c	PEDESTRIAN CROSSWALK	4-C8.0
S20a	CHAIN LINK FENCE (HEIGHT TO MATCH EXISTING)	
S23	24" PAINTED STOP BAR	3-C8.2
S25	EXTERIOR ACCESSIBLE SIGN	12-C8.0
S26	EXTERIOR ACCESSIBLE SIGN SET IN BOLLARD	13-C8.0
S30	HELPAID PAVEMENT	2-C8.2
S31	HELPAID MARKING	1-C8.2
S32	HELPAID MARKER LIGHT (SEE ELECTRICAL PLANS)	
S33	HELPAID FLOOD LIGHT (SEE ELECTRICAL PLANS)	
S34	HELPAID FENCE	5-C8.2
S35	BOLLARD LIGHTING	SEE ELECTRICAL PLANS
S36	TACTILE WARNING	9-C8.2

GENERAL NOTES

- SEE SHEET C2.0 FOR NOTES.
- SEE SHEET C2.1 FOR CITY OF LAS VEGAS NOTES.
- SEE ELECTRICAL PLANS FOR DETAILS ON SITE LIGHTING.
- SEE SHEET C5.0 FOR BENCHMARK.

PROPOSED FEATURES LEGEND:

- ACCESSIBLE PATH
- SETBACKS AND EASEMENTS
- WATER LINE
- HEAVY DUTY ASPHALT PAVEMENT
- LIGHT DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT



CODE	DESCRIPTION	DETAIL REF.
S10	ASPHALT PAVEMENT LIGHT DUTY	1-CB.0
S15	ASPHALT PAVEMENT HEAVY DUTY	1-CB.0
S20	CONCRETE PAVEMENT	1-CB.0
S30	CONCRETE CURB & GUTTER	2-CB.0
S35	CONCRETE POST CURB	2-CB.0
S40	CONCRETE SIDEWALK	6-CB.0
S45	CONCRETE WALK W/TURN DOWN CURB	6-CB.0
S50	CONCRETE WALK AT CURB & GUTTER	6-CB.0
S55	SIDEWALK JOINTS	3-CB.0
S60	ACCESSIBLE SYMBOL	8-CB.0
S65	ACCESSIBLE PARKING AREA	7-CB.0
S70	ACCESSIBLE RAMP	11-CB.0
S75	ACCESSIBLE CURB CUT RAMP	7-CB.1
S80	ACCESSIBLE RAMP AT CURB RETURN	8-CB.2
S85	STRIPING	8-CB.1
S90	CONCRETE WHEEL STOP	5-CB.0
S95	CONCRETE BOLLARD	10-CB.0
S100	DIRECTIONAL ARROW	9-CB.0
S105	PEDESTRIAN CROSSWALK	4-CB.0
S110	CHAIN LINK FENCE (HEIGHT TO MATCH EXISTING)	-
S115	24" PAINTED STOP BAR	3-CB.2
S120	EXTERIOR ACCESSIBLE SIGN	12-CB.0
S125	EXTERIOR ACCESSIBLE SIGN SET IN BOLLARD	13-CB.0
S130	HELIPAD PAVEMENT	2-CB.2
S135	HELIPAD MARKING	1-CB.2
S140	HELIPAD MARKER LIGHT (SEE ELECTRICAL PLANS)	-
S145	HELIPAD FLOOD LIGHT (SEE ELECTRICAL PLANS)	-
S150	HELIPAD FENCE	5-CB.2
S155	BOLLARD LIGHTING	SEE ELECTRICAL PLANS
S160	TACTILE WARNING	9-CB.0

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION
C1	129.64	33.00	S47° 22' 16"W	60.96
C2	22.06	28.00	S42° 35' 49"E	21.50
C3	34.56	22.00	S24° 54' 40"W	31.11
C4	28.27	18.00	S65° 05' 20"E	25.46
C5	18.70	11.97	89.48	16.86
C12	48.42	68.00	N22° 01' 28"E	47.40
C13	28.30	40.00	N40° 21' 24"W	27.71
C14	43.35	15.00	N36° 34' 33"E	28.76
C15	5.57	5.00	S78° 07' 31"E	5.28

APPROVED FOR CONSTRUCTION

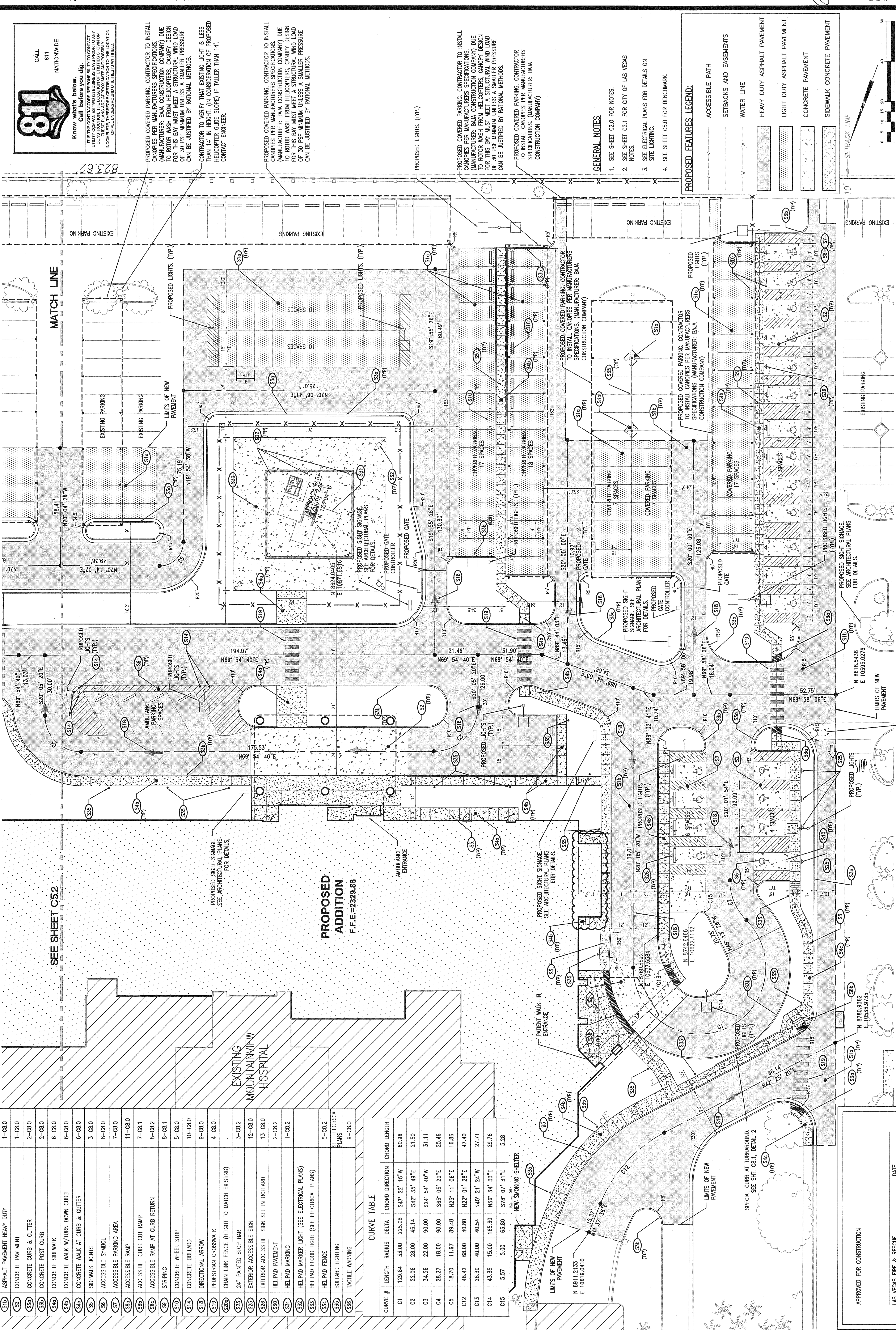
LAS VEGAS FIRE & RESCUE

DATE

SEE SHEET C5.2

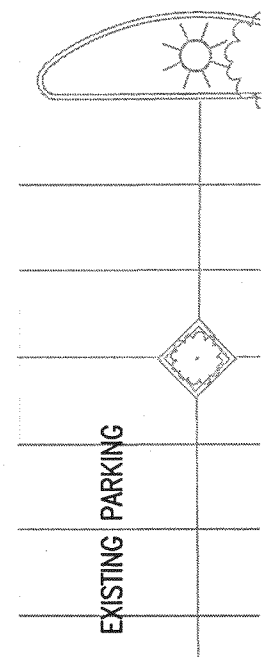
PROPOSED
ADDITION
F.F.E.=2329.88

EXISTING
MOUNTAINVIEW
HOSPITAL



POUR CONCRETE VALLEY
GUTTER TO MATCH EXISTING
IN RIND AND DRAIN INTO
PROPOSED CURB & GUTTER.

SITE LAYOUT PLAN



- PROPOSED FEATURES LEGEND:**
- ACCESSIBLE PATH
 - SETBACKS AND EASEMENTS
 - WATER LINE
 - HEAVY DUTY ASPHALT PAVEMENT
 - LIGHT DUTY ASPHALT PAVEMENT
 - CONCRETE PAVEMENT
 - SIDEWALK CONCRETE PAVEMENT

GENERAL NOTES

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OWNER / DEVELOPER
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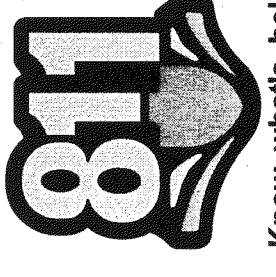
PROFESSIONAL ENGINEER
STATE OF NEVADA
LITTLEJOHN
CIVIL
No. 13889
1/1/17

EXPIRATION DATE: 12/31/2021
LEA PROJECT
IDENTIFICATION # 29187
Sheet Number

MOUNTAIN VIEW HOSPITAL
EMERGENCY & ICU DEPARTMENT ADDITIONS
and INTERIOR RENOVATIONS

LAS VEGAS, NEVADA
SITE LAYOUT PLAN

Job Number 07131.00
Drawn By 06-30-2011
Checked By 06-30-2011
Date 6/30/2011



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