

DS #: 4520

APN: 138-15-510-005

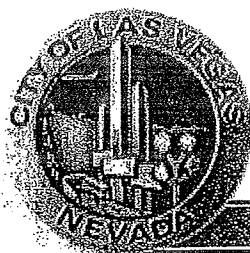
Mountain view Hospital - Emergency & Tenya way

PROJECT: Update #2

SUBMITTAL: 4th

SCANNED BY/DATE: _____

CHECKED BY/DATE: _____



CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM

DATE:

March 7, 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 #2**

COPIES TO:

Littlejohn Engineering Associates

Cross Streets:

SEC of Cheyenne Boulevard & Tenaya Way

Sunrise Mountain View Hospital

File Number:

F:\Depot\DSMemos\DS4520D.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	Approved	N/C	N/C
4 th Submittal	3/5/2012	3/7/2012	See Comments Below	N/C	N/C
			TOTAL FEES (LDDRS):	\$800.00	----

REMARKS:

4th Submittal: Update #2: Expand limit of demolition

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.

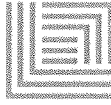
NOTE: Please be advised that all land surface area disturbances over 1 acre or any area adjacent to a water way must submit to the *Nevada Division of Environmental Protection* a "Notice of Intent" to discharge that certifies a stormwater pollution prevention plan has been developed and is maintained 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



LITTLEJOHN ENGINEERING ASSOCIATES

March 2, 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**

Rec'd: 3/5/12
DS 4520-2
L-15
N/C

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 January 16, 2012. As you discussed with George Huddleston of our firm, we have had to make some minor revisions to the approved plans due to some construction coordination items with the contractor.

These changes will not have an impact on impervious cover, stormwater runoff, or drainage patterns. In light of these conditions, this submittal constitutes an update to the approved drainage study to address the proposed revisions. Please refer to the following sheets (included with this submittal) for more details:

- C4.1 – Demolition Plan
- C4.2 – Demolition Plan
- C4.3 – Demolition Plan
- C5.1 – Site Layout Plan
- C5.2 – Site Layout Plan
- C5.3 – Site Layout Plan
- C6.1 – Grading & Drainage Plan
- C6.2 – Grading & Drainage Plan
- C6.3 – Grading & Drainage Plan
- C7.2 – Utility Plan
- C8.0 – Details
- C8.1 – 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

www.leainc.com

Engineering
Planning
Landscape Architecture
Land Surveying
Environmental Services
Health and Safety

HYDROLOGIC CRITERIA AND DRAINAGE MANUAL
DRAINAGE STUDY INFORMATION FORM

Name of Development: MountainView Hospital Date: Feb 8, 2011

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 (J.D. Melchiodi, COO)

Telephone No.: (702) 255-5065 Fax No.: (702) 255-5074 E-Mail Address: joseph.melchiodi@hcahealthcare.com

Address: 3100 N. Tenaya Way, Las Vegas, NV, 89128

Contact Person-Name: Brad Lipsey Telephone No.: (615) 385-4144

* E-Mail Address: blipsey@leainc.com Fax No.: (615) 385-4020

Firm: Littlejohn Engineering Associates

Address: 1935 21st Avenue South, Nashville, TN, 37212

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: 30 acres Being Developed/Disturbed: 5.65 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

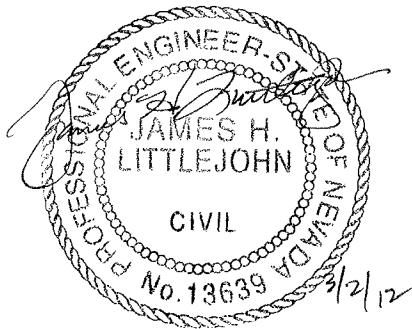
4. Proposed type of development (Residential, Commercial, Etc.): Commercial

5. Approximate upstream land area which drains to the subject site: 0 acres

6. Has the site drainage been evaluated in the past? ☒ YES ☐ NO If yes, please identify documentation: GC Wallace, Inc. Drainage Study for Sunrise Mountain View Hospital and Office Building, September 1994

7. If known, please briefly identify the proposed discharge point(s) of runoff from the site: 6x3 RCB in NDOT right-of-way under US 95 approximately 900' south of the intersection with Cheyenne Avenue (from previous permit)

8. Briefly describe your proposed schedule for the subject project: ASAP - Planning Commission meeting on 2/8/11



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

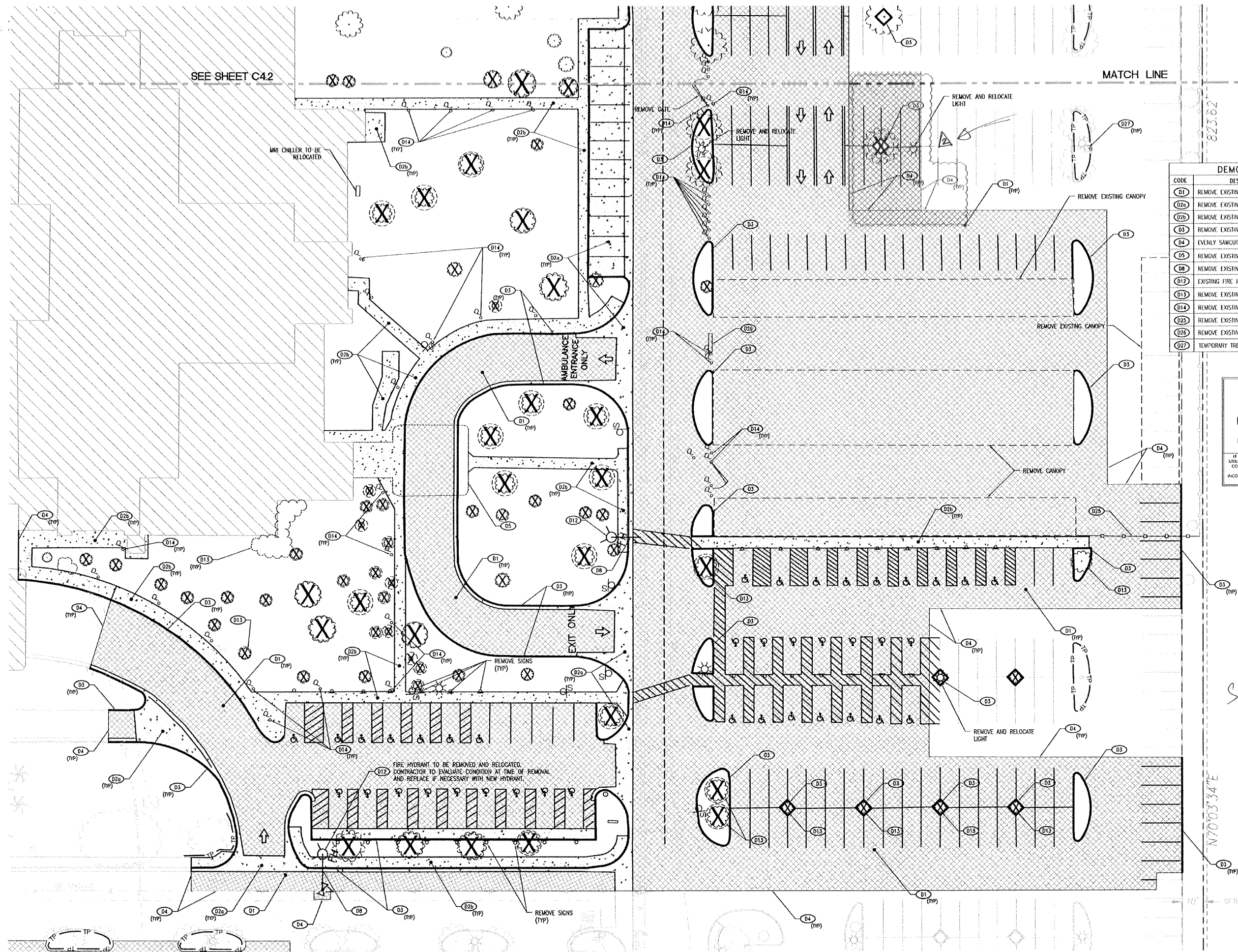
****Review and concurrence of the Clark County Regional Flood Control District is required.**

Revision	Date
1 - Stairwells	Jan 16, 2012
2 - On-site work	Mar 2, 2012

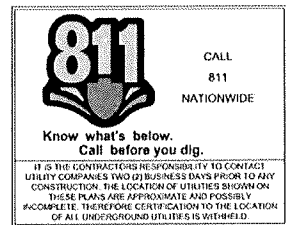
Local Entity File No. _____

REFERENCE:

STANDARD FORM 1



DEMOLITION KEY NOTE		
CODE	DESCRIPTION	DETAIL REF.
D1	REMOVE EXISTING ASPHALT PAVEMENT	-
D2a	REMOVE EXISTING CONCRETE PAVEMENT	-
D2b	REMOVE EXISTING CONCRETE SIDEWALK	-
D3	REMOVE EXISTING CURB	-
D4	EVENLY SAWCUT	-
D5	REMOVE EXISTING BUILDING/STRUCTURE	-
D8	REMOVE EXISTING WATER LINE & APPURTENANCES	-
D12	EXISTING FIRE HYDRANT TO BE RELOCATED	-
D13	REMOVE EXISTING VEGETATION	-
D14	REMOVE EXISTING POST	-
D26	REMOVE EXISTING FENCE	-
D26	REMOVE EXISTING TREE SPIKES	-
D27	TEMPORARY TREE PROTECTION	-



DEMOLITION NOTES

- SEE SHEET C2.0 FOR DEMOLITION NOTES.
- SEE SHEET C4.0 FOR BENCHMARK.

PROPOSED FEATURES LEGEND:

- CONCRETE REMOVAL
- ASPHALT REMOVAL
- TREE PROTECTION
- TREE TO BE REMOVED

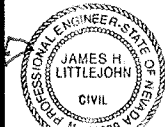


DEMOLITION PLAN

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) 225-5005

LITTLEJOHN
ENGINEERING
ASSOCIATES
1932 25TH AVENUE SOUTH, NASHVILLE, TENNESSEE 37212
F: 615.383.1144 P: 615.383.4020 WWW.LEA-ENG.COM



EXPIRATION DATE: 12/31/2011

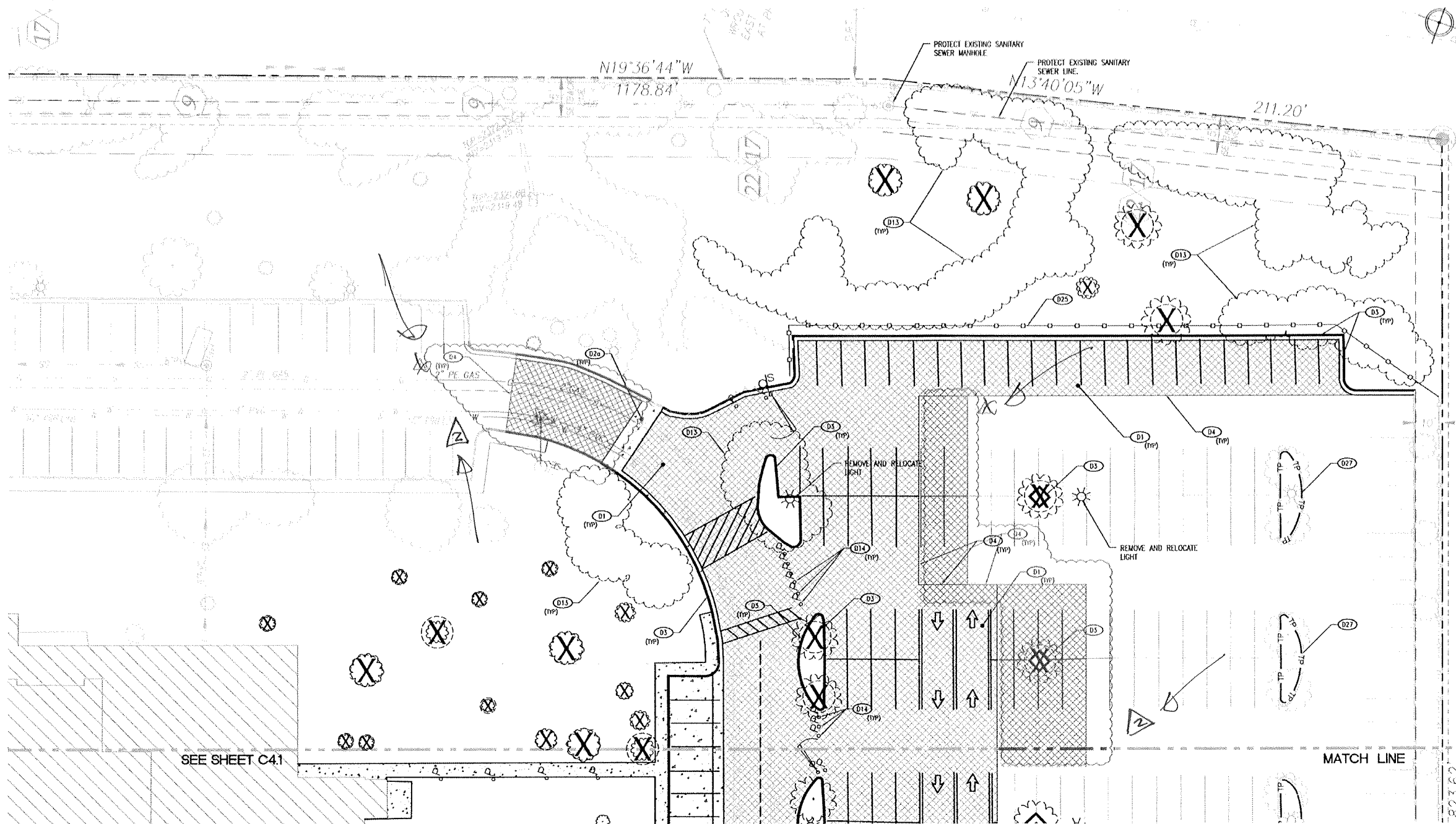
LEA PROJECT IDENTIFICATION # 29187
Sheet Number

C4.1
SHEET 12 OF 33

DEMOLITION PLAN

Job Number: 07131.00
Date: 06-28-2011
Drawn By: [Signature]
Checked By: [Signature]
Reviewed By: [Signature]
2 EXPAND LIMIT OF DEMOLITION

44741 2-28-12 LD & Flood & water systems



DEMOLITION KEY NOTE		
CODE	DESCRIPTION	DETAIL REF.
D1	REMOVE EXISTING ASPHALT PAVEMENT	-
D2a	REMOVE EXISTING CONCRETE PAVEMENT	-
D2b	REMOVE EXISTING CONCRETE SIDEWALK	-
D3	REMOVE EXISTING CURB	-
D4	EVENLY SAWCUT	-
D5	REMOVE EXISTING BUILDING/STRUCTURE	-
D6	REMOVE EXISTING WATER LINE & APPURTENANCES	-
D12	EXISTING FIRE HYDRANT TO BE RELOCATED	-
D13	REMOVE EXISTING VEGETATION	-
D14	REMOVE EXISTING POST	-
D25	REMOVE EXISTING FENCE	-
D27	TEMPORARY TREE PROTECTION	-

SEE SHEET C4.1

MATCH LINE



CALL
811
NATIONWIDE

Know what's below.
Call before you dig.

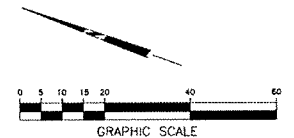
IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT UTILITY COMPANIES TWO (2) BUSINESS DAYS PRIOR TO ANY CONSTRUCTION. THE LOCATION OF UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND POSSIBLY INCOMPLETE. THEREFORE CERTIFICATION TO THE LOCATION OF ALL UNDERGROUND UTILITIES IS WITHHELD.

DEMOLITION NOTES

- SEE SHEET C2.0 FOR DEMOLITION NOTES.
- SEE SHEET C4.0 FOR BENCHMARK.

PROPOSED FEATURES LEGEND:

-  CONCRETE REMOVAL
-  ASPHALT REMOVAL
-  TREE PROTECTION
-  TREE TO BE REMOVED

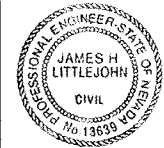


DEMOLITION PLAN

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) 225-5085

LITTLEJOHN
ENGINEERING
ASSOCIATES
1014 JEFFERSON BLVD, SUITE 100
LAS VEGAS, NV 89101
P: 702.381.6414 F: 702.381.6428 WWW.LEJAC.COM

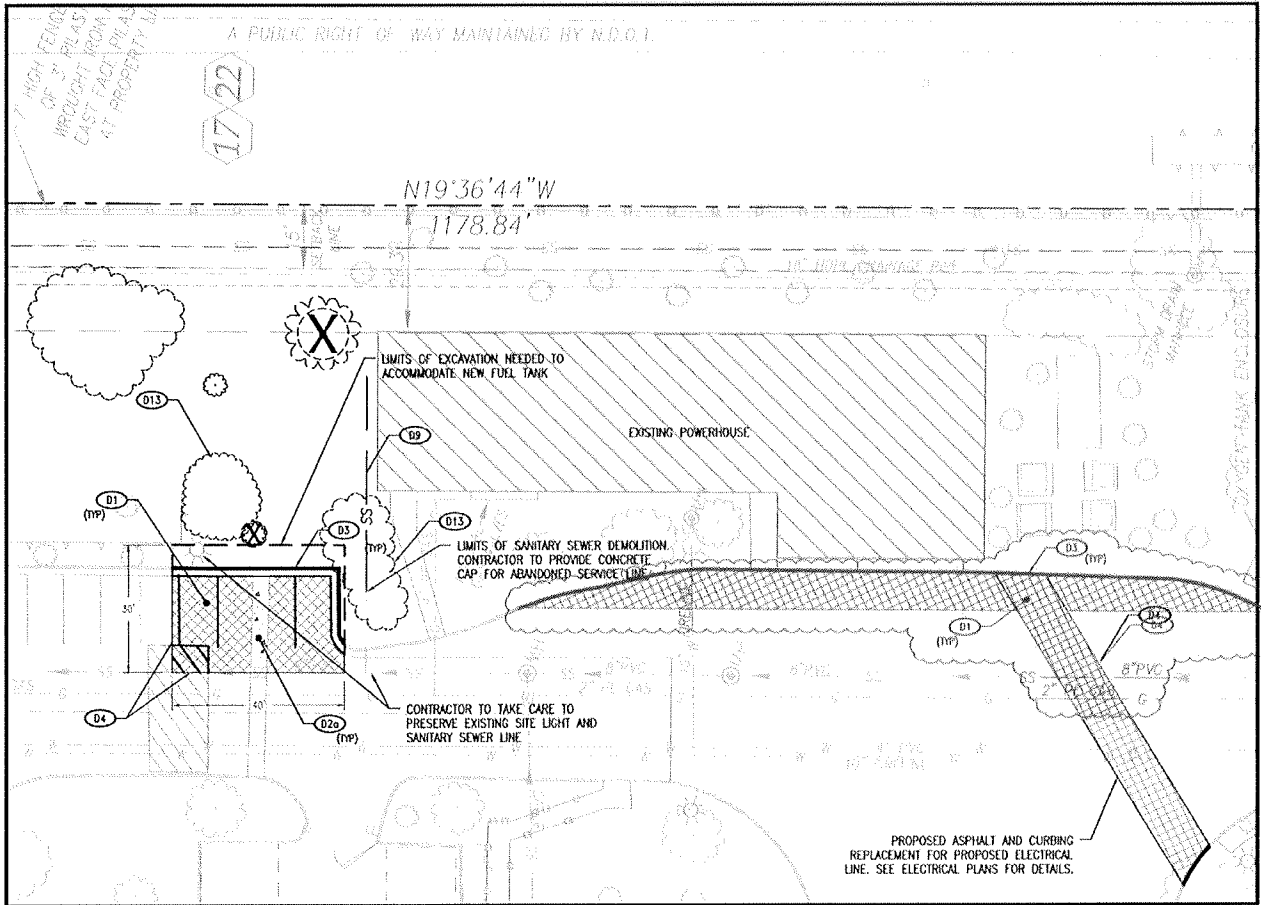


EXPIRATION DATE: 12/31/2011

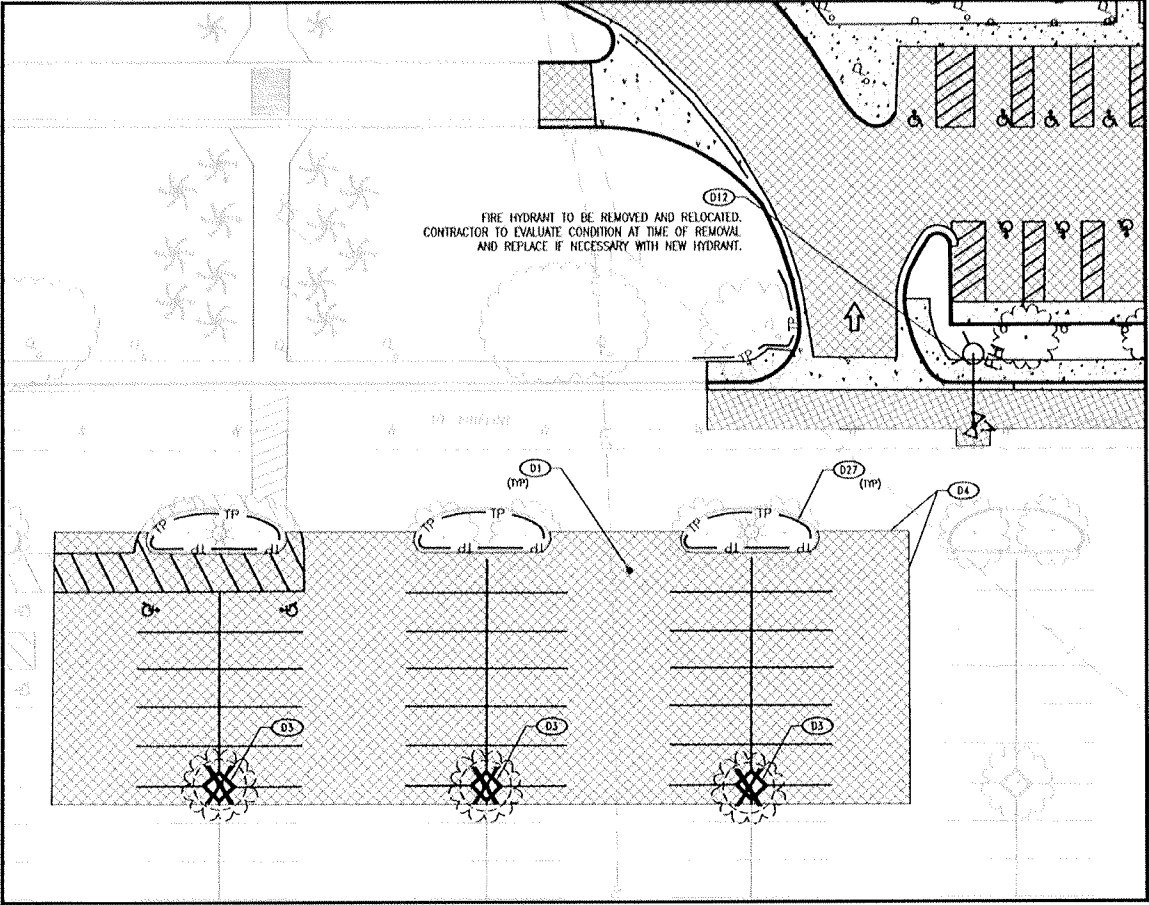
LEA PROJECT
IDENTIFICATION # 29187
Sheet Number

Job Number: 06-25-2011
Drawn By: [Signature]
Checked By: [Signature]
Revised: 2-Expand limits of Demolition

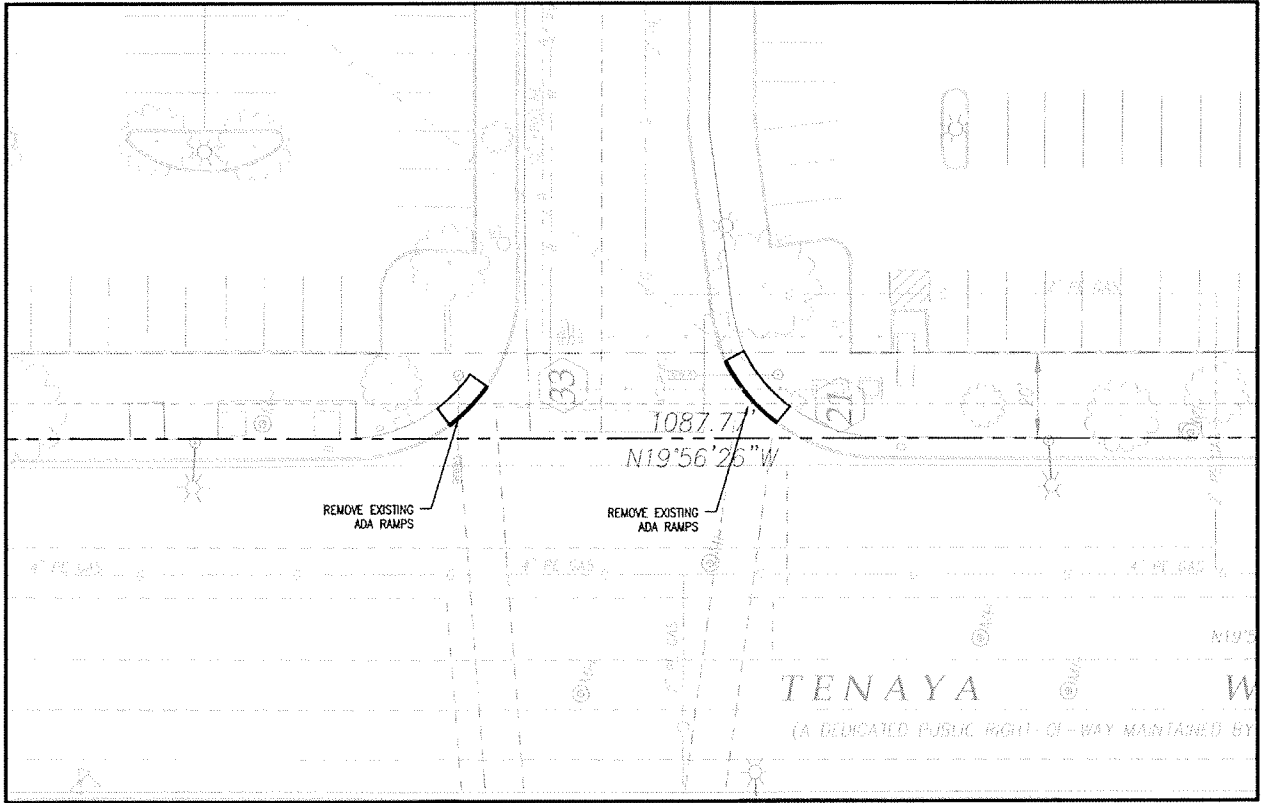
DEMOLITION PLAN



POWER HOUSE



WEST ENTRANCE ACCESSIBLE PARKING



SOUTHWEST ENTRANCE

811 CALL 811 NATIONWIDE

Know what's below. Call before you dig.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT UTILITY COMPANIES TWO (2) BUSINESS DAYS PRIOR TO ANY CONSTRUCTION. THE LOCATION OF UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND POSSIBLY INCOMPLETE. THEREFORE CERTIFICATION TO THE LOCATION OF ALL UNDERGROUND UTILITIES IS WITHHELD.

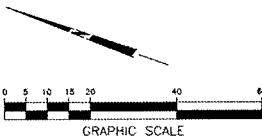
DEMOLITION KEY NOTE		
CODE	DESCRIPTION	DETAIL REF.
D1	REMOVE EXISTING ASPHALT PAVEMENT	-
D2a	REMOVE EXISTING CONCRETE PAVEMENT	-
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D3	REMOVE EXISTING CURB	-
D4	EVENLY SAWCUT	-
D5	REMOVE EXISTING BUILDING/STRUCTURE	-
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D9	REMOVE EXISTING SANITARY SEWER LINE	-
D12	EXISTING FIRE HYDRANT TO BE RELOCATED	-
D13	REMOVE EXISTING VEGETATION	-
D14	REMOVE EXISTING POST	-
D25	REMOVE EXISTING FENCE	-
D27	TEMPORARY TREE PROTECTION	-

DEMOLITION NOTES

- SEE SHEET C2.0 FOR DEMOLITION NOTES.
- SEE SHEET C4.0 FOR BENCHMARK.

PROPOSED FEATURES LEGEND:

- CONCRETE REMOVAL
- ASPHALT REMOVAL
- TREE PROTECTION
- TREE TO BE REMOVED



DEMOLITION PLAN

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) 225-5085

LITTLEJOHN
ENGINEERING
ASSOCIATES
1993 317 PARK SOUTH, SUITE 100, LAS VEGAS, NV 89102
P: (702) 251-1444 F: (702) 251-1445 WWW.LJ-ENG.COM



EXPIRATION DATE: 12/31/2011

LEA PROJECT
IDENTIFICATION # 29187
Sheet Number

C4.3
SHEET 14 OF 33

Job Number: 07131-00
Date: 06-23-2011
Checked By:
Drawn By:
Revised: 2. EXISTING LIMIT OF DEMOLITION

LAS VEGAS, NEVADA
DEMOLITION PLAN

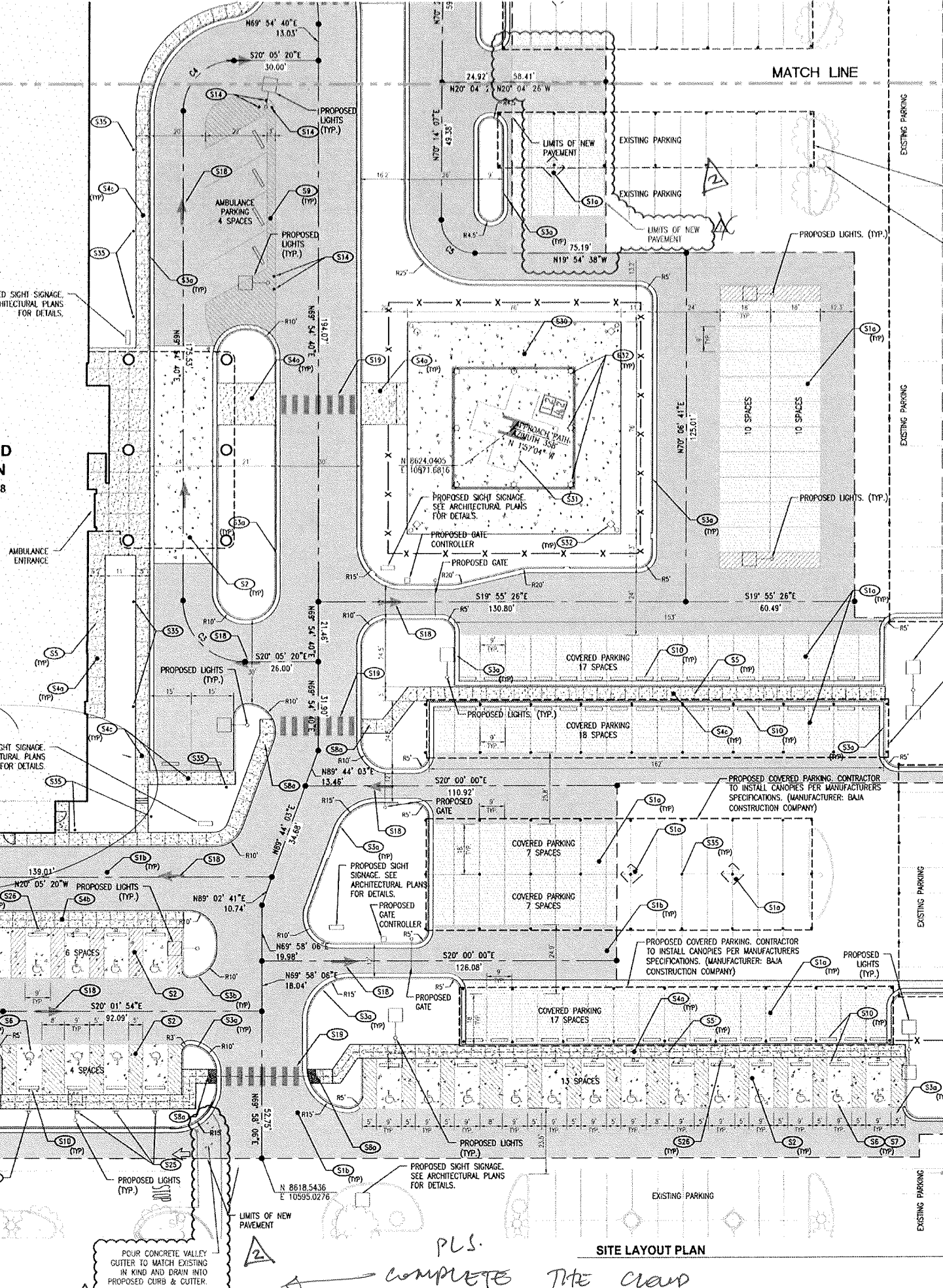
SITE LAYOUT KEY NOTE		
CODE	DESCRIPTION	DETAIL REF.
S1a	ASPHALT PAVEMENT LIGHT DUTY	1-C8.0
S1b	ASPHALT PAVEMENT HEAVY DUTY	1-C8.0
S2	CONCRETE PAVEMENT	1-C8.0
S3a	CONCRETE CURB & GUTTER	2-C8.0
S3b	CONCRETE POST CURB	2-C8.0
S4	CONCRETE SIDEWALK	6-C8.0
S5	SIDEWALK JOINTS	3-C8.0
S6	ACCESSIBLE SYMBOL	8-C8.0
S7	ACCESSIBLE PARKING AREA	7-C8.0
S8a	ACCESSIBLE RAMP	11-C8.0
S8b	ACCESSIBLE CURB CUT RAMP	7-C8.1
S8c	ACCESSIBLE RAMP AT CURB RETURN	8-C8.2
S9	STRIPING	8-C8.1
S10	CONCRETE WHEEL STOP	5-C8.0
S11	CONCRETE BOLLARD	10-C8.0
S12	DIRECTIONAL ARROW	9-C8.0
S13	PEDESTRIAN CROSSWALK	4-C8.0
S20a	CHAIN LINK FENCE (HEIGHT TO MATCH EXISTING)	
S21	24" PAINTED STOP BAR	3-C8.2
S22	EXTERIOR ACCESSIBLE SIGN	12-8.0
S23	EXTERIOR ACCESSIBLE SIGN SET IN BOLLARD	13-8.0
S30	HELIPAD PAVEMENT	2-8.2
S31	HELIPAD MARKING	1-8.2
S32	HELIPAD MARKER LIGHT (SEE ELECTRICAL PLANS)	
S33	HELIPAD FLOOD LIGHT (SEE ELECTRICAL PLANS)	
S34	HELIPAD FENCE	5-8.2
S35	BOLLARD LIGHTING	SEE ELECTRICAL PLANS

CURVE TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C1	129.64	33.00	225.08	S47° 22' 16" W	60.96
C2	22.06	28.00	45.14	S42° 35' 49" E	21.50
C3	34.56	22.00	90.00	S24° 54' 40" W	31.11
C4	28.27	18.00	90.00	S65° 05' 20" E	25.46
C5	18.70	11.97	89.48	N25° 11' 06" E	16.86
C12	48.42	68.00	40.80	N22° 01' 28" E	47.40
C13	28.30	40.00	40.54	N40° 21' 24" W	27.71
C14	43.35	15.00	165.60	N36° 34' 33" E	29.76
C15	5.57	5.00	63.80	S78° 07' 51" E	5.28



SEE SHEET C5.2

PROPOSED ADDITION
F.F.E.=2329.88



CALL 811 NATIONWIDE

Know what's below. Call before you dig.

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

PROPOSED COVERED PARKING. CONTRACTOR TO INSTALL CANOPIES PER MANUFACTURER'S SPECIFICATIONS. (MANUFACTURER: BAJA CONSTRUCTION COMPANY) DUE TO ROTOR WASH FROM HELICOPTERS, CANOPY DESIGN FOR THIS BAY MUST MEET A STRUCTURAL WIND LOAD OF 30 PSF MINIMUM UNLESS A SMALLER PRESSURE CAN BE JUSTIFIED BY RATIONAL METHODS.

CONTRACTOR TO VERIFY THAT EXISTING LIGHT IS LESS THAN 14' IN HEIGHT. (IN CONSIDERATION OF PROPOSED HELICOPTER CLIMB SLOPE) IF TALLER THAN 14', CONTACT ENGINEER.

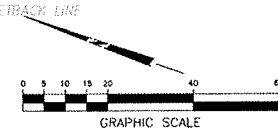
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PROPOSED COVERED PARKING. CONTRACTOR TO INSTALL CANOPIES PER MANUFACTURER'S SPECIFICATIONS. (MANUFACTURER: BAJA CONSTRUCTION COMPANY)

- 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
	SIDEWALK CONCRETE PAVEMENT



NEEDS OPENING. SLOTTED PAVEMENT. AT ANY RATE

APPROVED FOR CONSTRUCTION
LAS VEGAS FIRE & RESCUE
DATE

POUR CONCRETE VALLEY CUTTER TO MATCH EXISTING IN KIND AND DRAIN INTO PROPOSED CURB & CUTTER.

PLS. COMPLETE THE CLOUD

**MOUNTAIN VIEW HOSPITAL
EMERGENCY & ICU DEPARTMENT ADDITIONS
and INTERIOR RENOVATIONS**

OWNER/DEVELOPER
SUNRISE MOUNTAINVIEW HOSPITAL
3100 N TENAYA WAY
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P: (702) 225-5065

LITTLEJOHN
ENGINEERING
ASSOCIATES

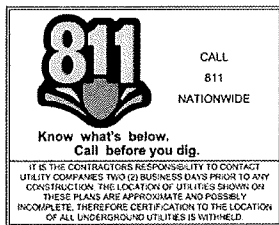
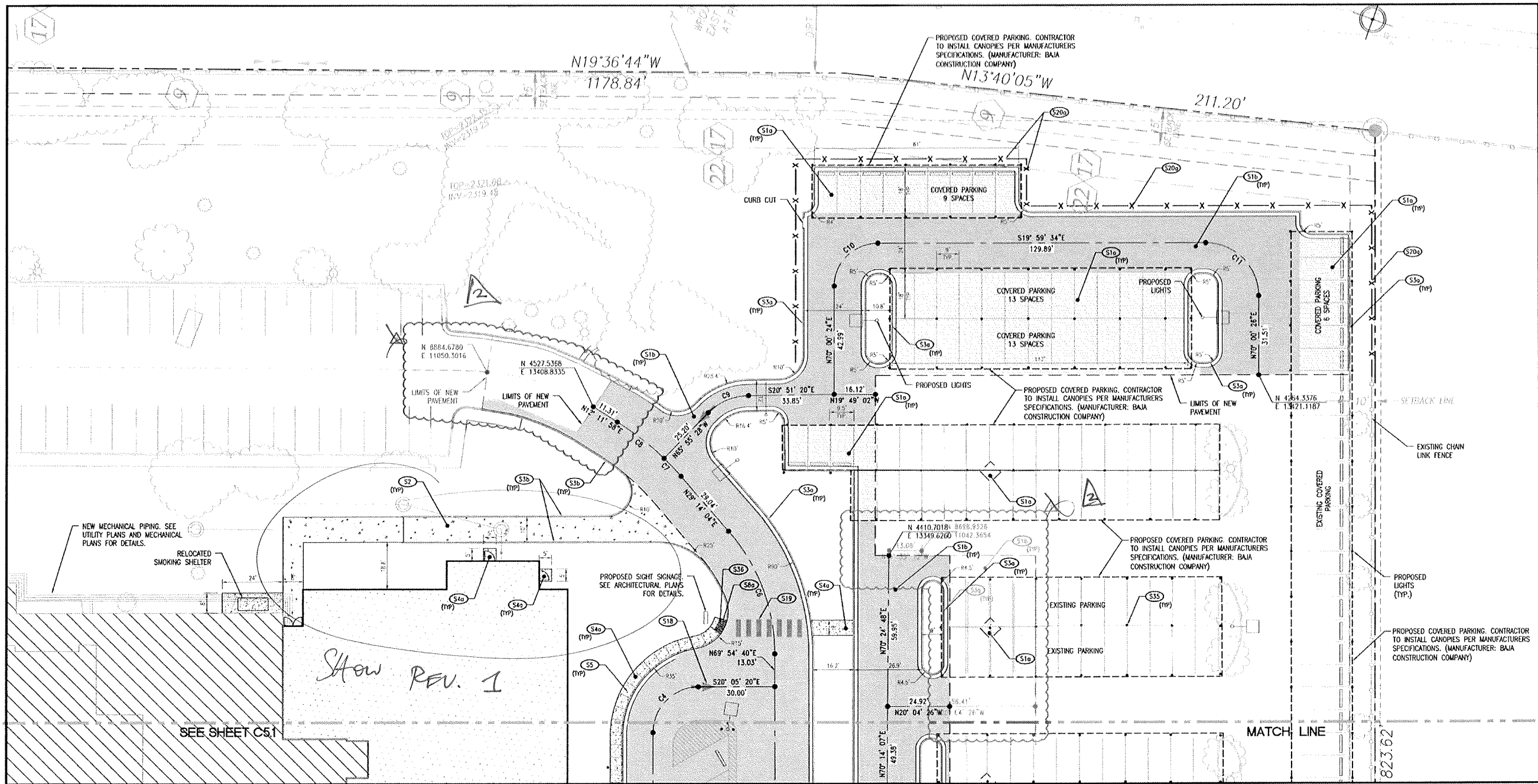
PROFESSIONAL ENGINEER
JAMES H. LITTLEJOHN
CIVIL
No. 13659

EXPIRATION DATE: 12/31/2021

LEA PROJECT IDENTIFICATION # 29187
Sheet Number

C5.1
SHEET 16 OF 33

DATE: 05-28-2011
DRAWN BY: J. LITTLEJOHN
CHECKED BY: J. LITTLEJOHN
PROJECT: 2
ON-SITE PLAN



CURVE TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C4	28.27	18.00	90.00	S65° 05' 20"E	25.46
C6	53.24	75.00	40.67	N49° 34' 31"E	52.13
C7	9.93	110.26	5.16	N26° 39' 18"E	9.92
C8	23.58	110.26	12.25	N17° 56' 53"E	23.54
C9	17.59	22.36	45.08	S43° 25' 41"E	17.14
C10	26.70	17.00	90.00	S64° 59' 34"E	24.04
C11	33.11	21.08	90.00	N25° 00' 26"E	29.81

APPROVED FOR CONSTRUCTION

LAS VEGAS FIRE & RESCUE

DATE

SITE LAYOUT KEY NOTE			
CODE	DESCRIPTION	DETAIL REF.	
S1a	ASPHALT PAVEMENT LIGHT DUTY	1-C8.0	
S1b	ASPHALT PAVEMENT HEAVY DUTY	1-C8.0	
S2	CONCRETE PAVEMENT	1-C8.0	
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S4a	CONCRETE SIDEWALK	6-C8.0	
S5	SIDEWALK JOINTS	3-C8.0	
S6	ACCESSIBLE SYMBOL	8-C8.0	
S7	ACCESSIBLE PARKING AREA	7-C8.0	
S8a	ACCESSIBLE RAMP	11-C8.0	
S8b	ACCESSIBLE CURB CUT RAMP	7-C8.1	
S8c	ACCESSIBLE RAMP AT CURB RETURN	8-C8.2	
S9	STRIPING	8-C8.1	
S10	CONCRETE WHEEL STOP	5-C8.0	
S14	CONCRETE BOLLARD	10-C8.0	
S18	DIRECTIONAL ARROW	9-C8.0	
S19	PEDESTRIAN CROSSWALK	4-C8.0	
S20a	CHAIN LINK FENCE (HEIGHT TO MATCH EXISTING)		
S21	24" PAINTED STOP BAR	3-C8.2	
S25	EXTERIOR ACCESSIBLE SIGN	12-8.0	
S26	EXTERIOR ACCESSIBLE SIGN SET IN BOLLARD	13-8.0	
S30	HELIPAD PAVEMENT	2-8.2	
S31	HELIPAD MARKING	1-8.2	
S32	HELIPAD MARKER LIGHT (SEE ELECTRICAL PLANS)		
S33	HELIPAD FLOOD LIGHT (SEE ELECTRICAL PLANS)		
S34	HELIPAD FENCE	5-8.2	
S35	BOLLARD LIGHTING	SEE ELECTRICAL PLANS	

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

SITE LAYOUT PLAN

RELOT



MOUNTAIN VIEW HOSPITAL EMERGENCY & ICU DEPARTMENT ADDITIONS and INTERIOR RENOVATIONS

OWNER / DEVELOPER
SUNRISE MOUNTAINVIEW HOSPITAL
3100 N TENAYA WAY
LAS VEGAS, NV 89128
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ENGINEERING
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EXPIRATION DATE: 12/31/2021

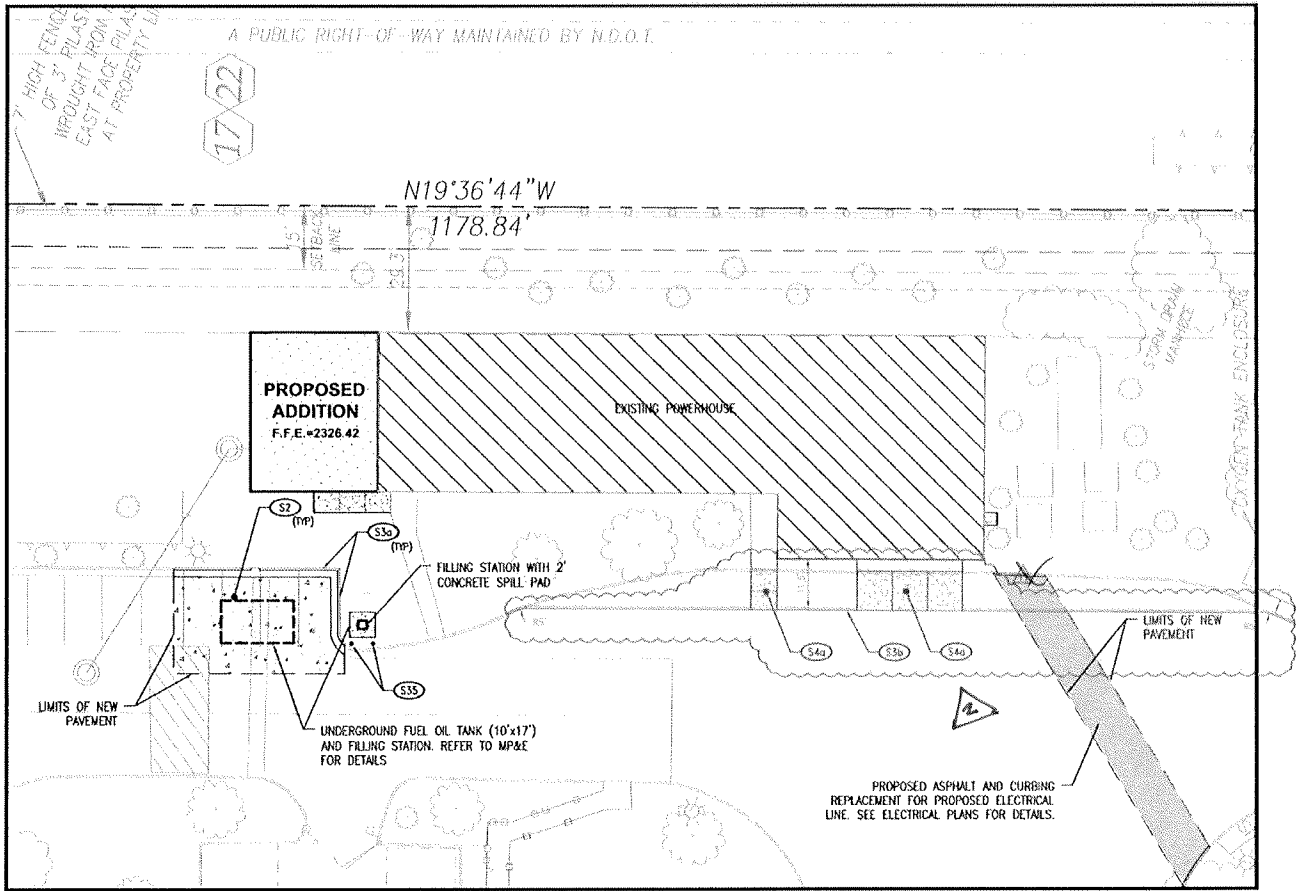
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IDENTIFICATION # 20187
Sheet Number

C5.2
SHEET 17 OF 33

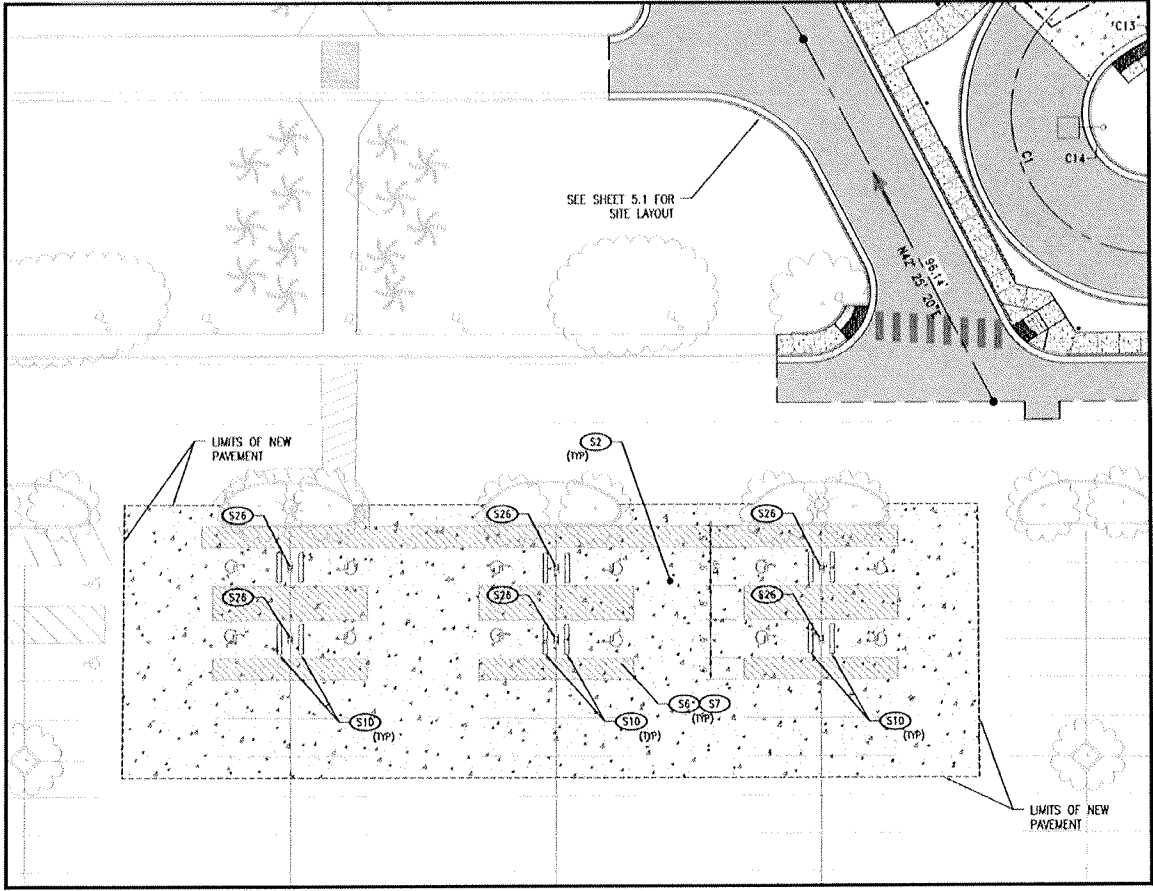
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Date: 06-28-2011
Drawn By: SPICER
Checked By: SPICER

Revised: 1
2 ON-SITE PAVEMENT

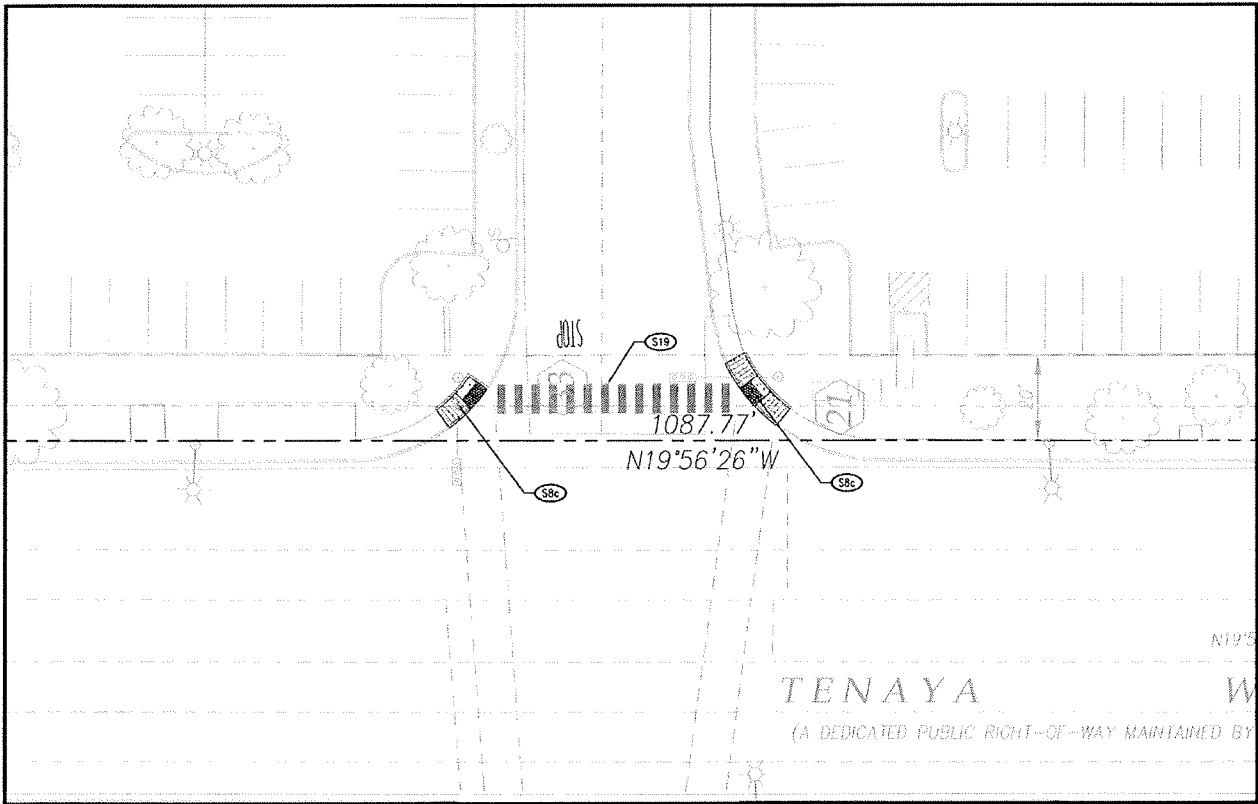
LAS VEGAS, NEVADA
SITE LAYOUT PLAN



POWER HOUSE



WEST ENTRANCE ACCESSIBLE PARKING



SOUTHWEST ENTRANCE

811 CALL 811 NATIONWIDE

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SITE LAYOUT KEY NOTE		
CODE	DESCRIPTION	DETAIL REF.
S1a	ASPHALT PAVEMENT LIGHT DUTY	1-C8.0
S1b	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
S4a	CONCRETE SIDEWALK	6-C8.0
S5	SIDEWALK JOINTS	3-C8.0
S6	ACCESSIBLE SYMBOL	8-C8.0
S7	ACCESSIBLE PARKING AREA	7-C8.0
S8a	ACCESSIBLE RAMP	11-C8.0
S8b	ACCESSIBLE CURB CUT RAMP	7-C8.1
S8c	ACCESSIBLE RAMP AT CURB RETURN	8-C8.2
S9	STRIPING	8-C8.1
S10	CONCRETE WHEEL STOP	5-C8.0
S14	CONCRETE BOLLARD	10-C8.0
S18	DIRECTIONAL ARROW	9-C8.0
S19	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	12-8.0
S26	EXTERIOR ACCESSIBLE SIGN SET IN BOLLARD	13-8.0
S30	HELIPAD PAVEMENT	2-8.2
S31	HELIPAD MARKING	1-8.2
S32	HELIPAD MARKER LIGHT (SEE ELECTRICAL PLANS)	
S33	HELIPAD FLOOD LIGHT (SEE ELECTRICAL PLANS)	
S34	HELIPAD FENCE	5-8.2
S35	BOLLARD LIGHTING	SEE ELECTRICAL PLANS

GENERAL NOTES

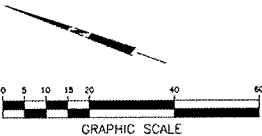
- SEE SHEET C2.0 FOR NOTES.
- SEE SHEET C2.1 FOR CITY OF LAS VEGAS NOTES.
- SEE SHEET C5.0 FOR BENCHMARK.

PROPOSED FEATURES LEGEND:

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

APPROVED FOR CONSTRUCTION

LAS VEGAS FIRE & RESCUE _____ DATE _____



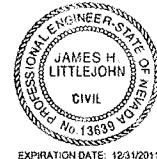
SITE LAYOUT PLAN

**MOUNTAIN VIEW HOSPITAL
 EMERGENCY & ICU DEPARTMENT ADDITIONS
 and INTERIOR RENOVATIONS**

LAS VEGAS, NEVADA
 SITE LAYOUT PLAN

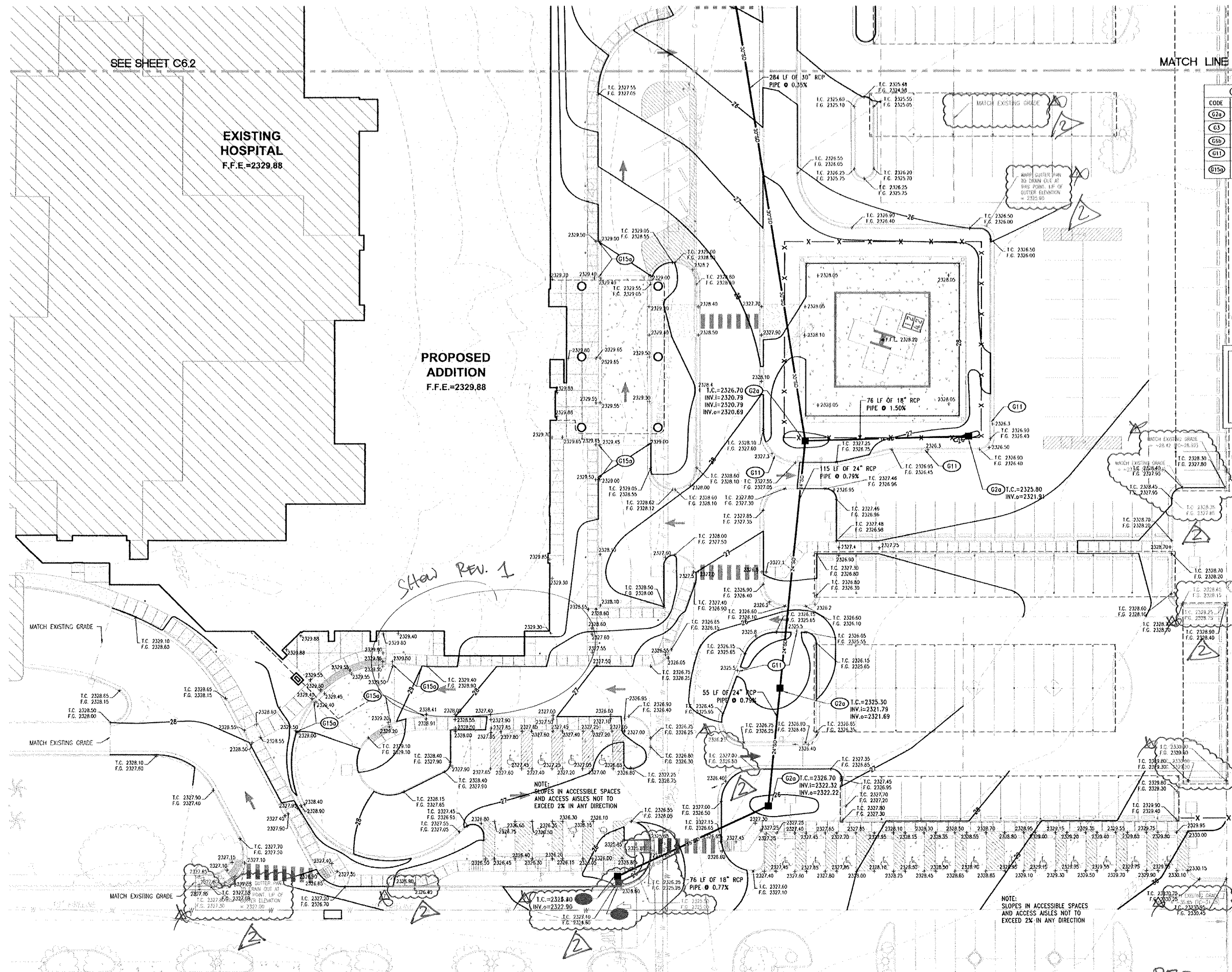
OWNER/DEVELOPER
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EXPIRATION DATE: 12/31/2011

LEA PROJECT
 IDENTIFICATION # 29187
 Sheet Number



GRADING & DRAINAGE KEY NOTE		
CODE	DESCRIPTION	DETAIL REF.
G7a	SINGLE CATCH BASIN	3-CB.1
G3	JUNCTION MANHOLE	5-CB.1
G6b	CONCRETE HEADWALL	4-CB.2
G11	2' CURB CUT	7-CB.2
G15a	TRANSITION FROM FLUSH CONDITIONS TO 6" CURB OVER 15 FEET	6-CB.2

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

JIM LITTLEJOHN P.E.
LITTLEJOHN ENGINEERING ASSOCIATES



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SITE GRADING NOTES

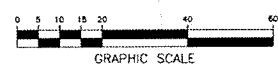
1. SEE SHEET C2.0 FOR GRADING NOTES.
2. SEE SHEET C2.1 FOR CITY OF LAS VEGAS GRADING NOTES.
3. ALL ONSITE STORM DRAIN SYSTEMS AND ASSOCIATED FACILITIES ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED.
4. ALL PROPOSED CATCH BASINS TO BE JENSEN PRECAST MODEL D12424 (24"x24" GRATE) OR APPROVED EQUAL.
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

NOTE:
SLOPES IN ACCESSIBLE SPACES
AND ACCESS AISLES NOT TO
EXCEED 2% IN ANY DIRECTION

REPlot

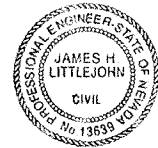


MOUNTAIN VIEW HOSPITAL
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and INTERIOR RENOVATIONS

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



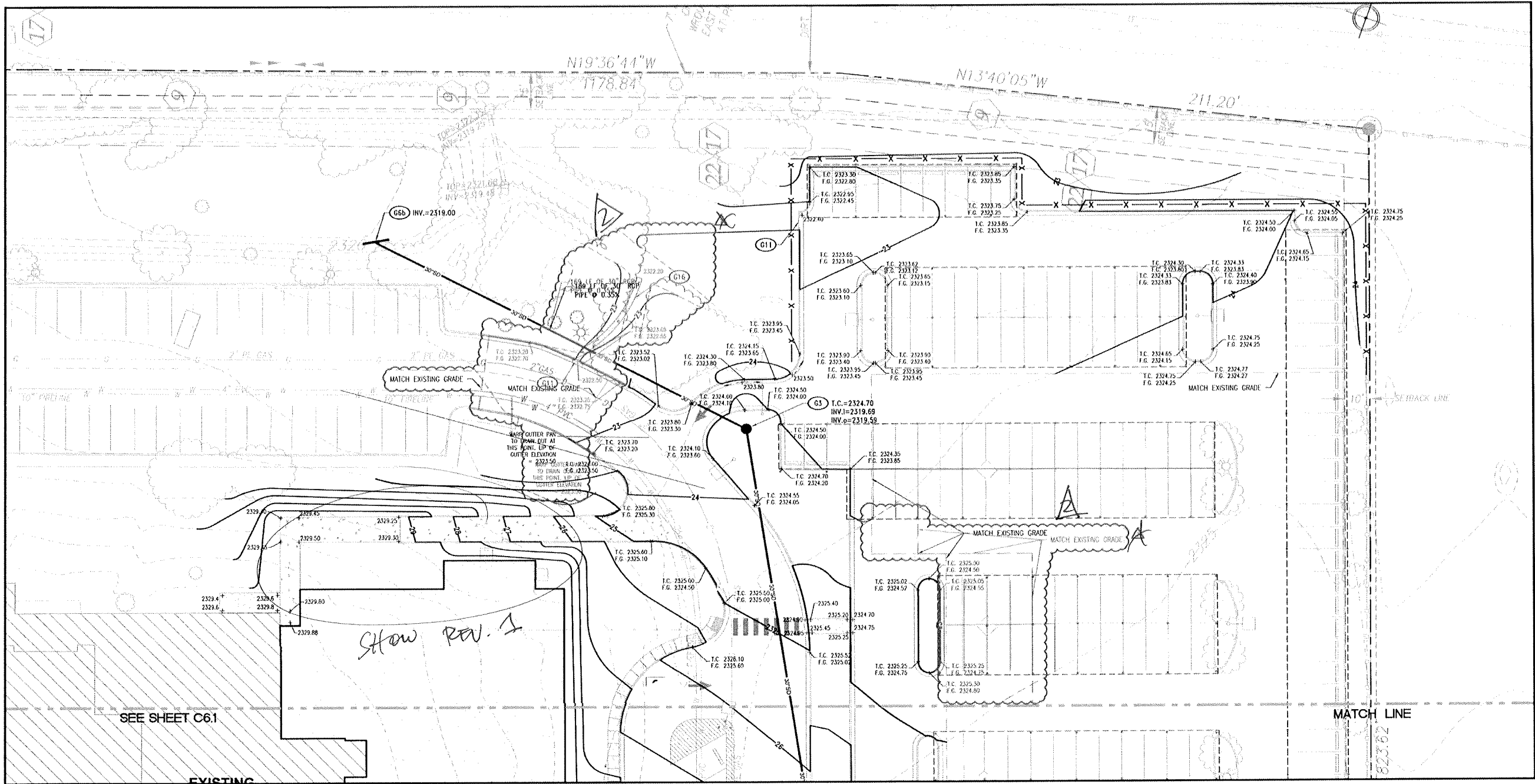
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ASSOCIATES



EXPIRATION DATE: 12/31/2011

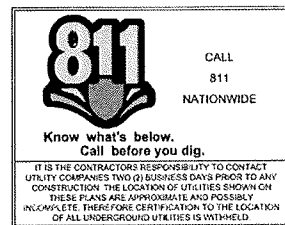
LEA PROJECT
IDENTIFICATION # 29187
Sheet Number

C6.1
SHEET 20 OF 33



SEE SHEET C6.1

EXISTING



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

JIM LITTLEJOHN P.E.
LITTLEJOHN ENGINEERING ASSOCIATES

DATE

SIGNATURE

SITE GRADING NOTES

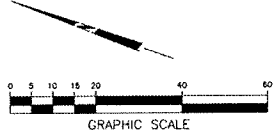
- SEE SHEET C2.0 FOR GRADING NOTES.
- SEE SHEET C2.1 FOR CITY OF LAS VEGAS GRADING NOTES.
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- PROPOSED HEADWALL TO BE JENSEN PRECAST MODEL MAG 501-1 (30" INSIDE PIPE DIAMETER) OR APPROVED EQUAL.
- SEE SHEET C6.0 FOR BENCHMARK

GRADING & DRAINAGE KEY NOTE		
CODE	DESCRIPTION	DETAIL REF.
G20	SINGLE CATCH BASIN	3-CB.1
G3	JUNCTION MANHOLE	5-CB.1
G6b	CONCRETE HEADWALL	4-CB.2
G11	2" CURB CUT	7-CB.2
G15a	TRANSITION FROM FLUSH CONDITIONS TO 6" CURB OVER 15 FEET	6-CB.2

PROPOSED FEATURES LEGEND:

- 5221 PROPOSED CONTOURS
- SETBACKS AND EASEMENTS
- WATER LINE

RELOT



MOUNTAIN VIEW HOSPITAL EMERGENCY & ICU DEPARTMENT ADDITIONS and INTERIOR RENOVATIONS

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LITTLEJOHN
ENGINEERING
ASSOCIATES
1305 S. MARIANNE DRIVE, SUITE 100
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WWW.LEA-ENG.COM

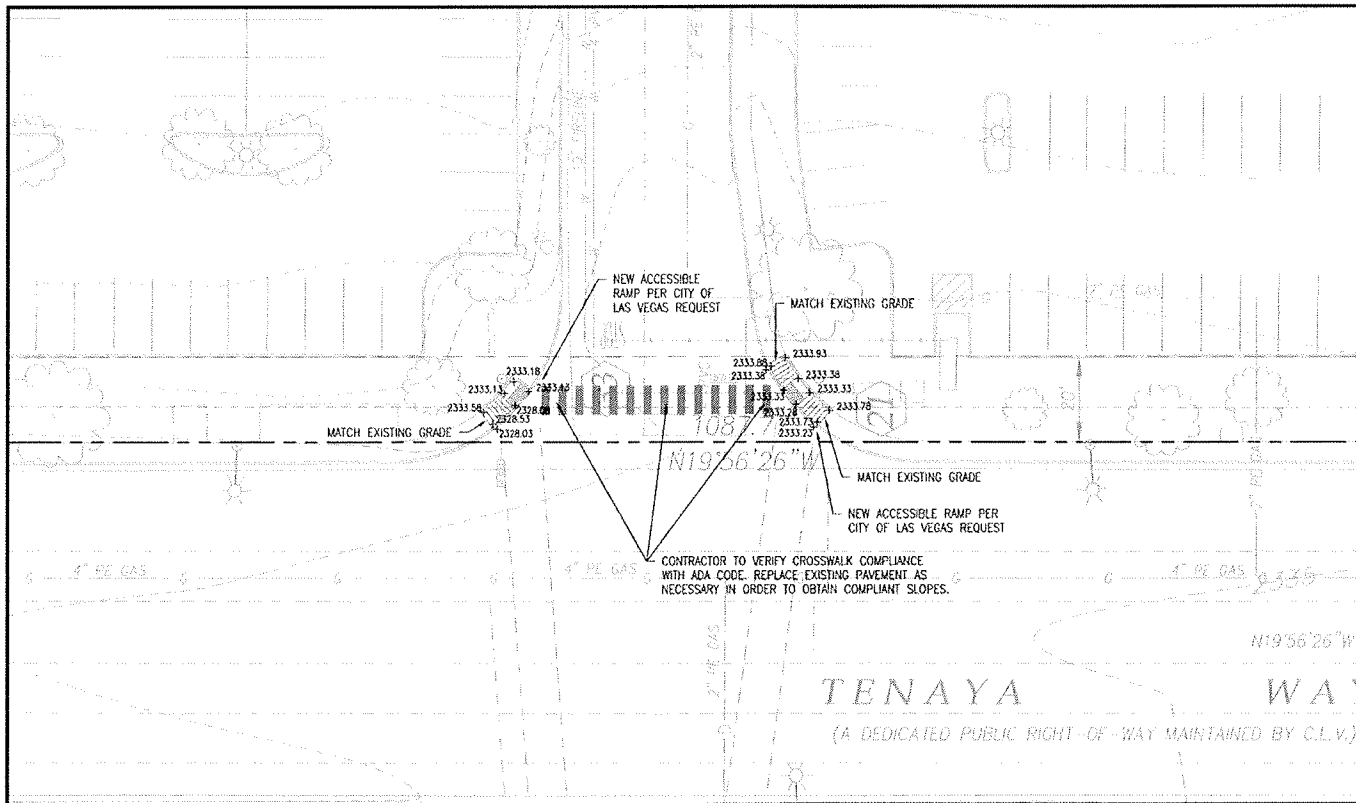
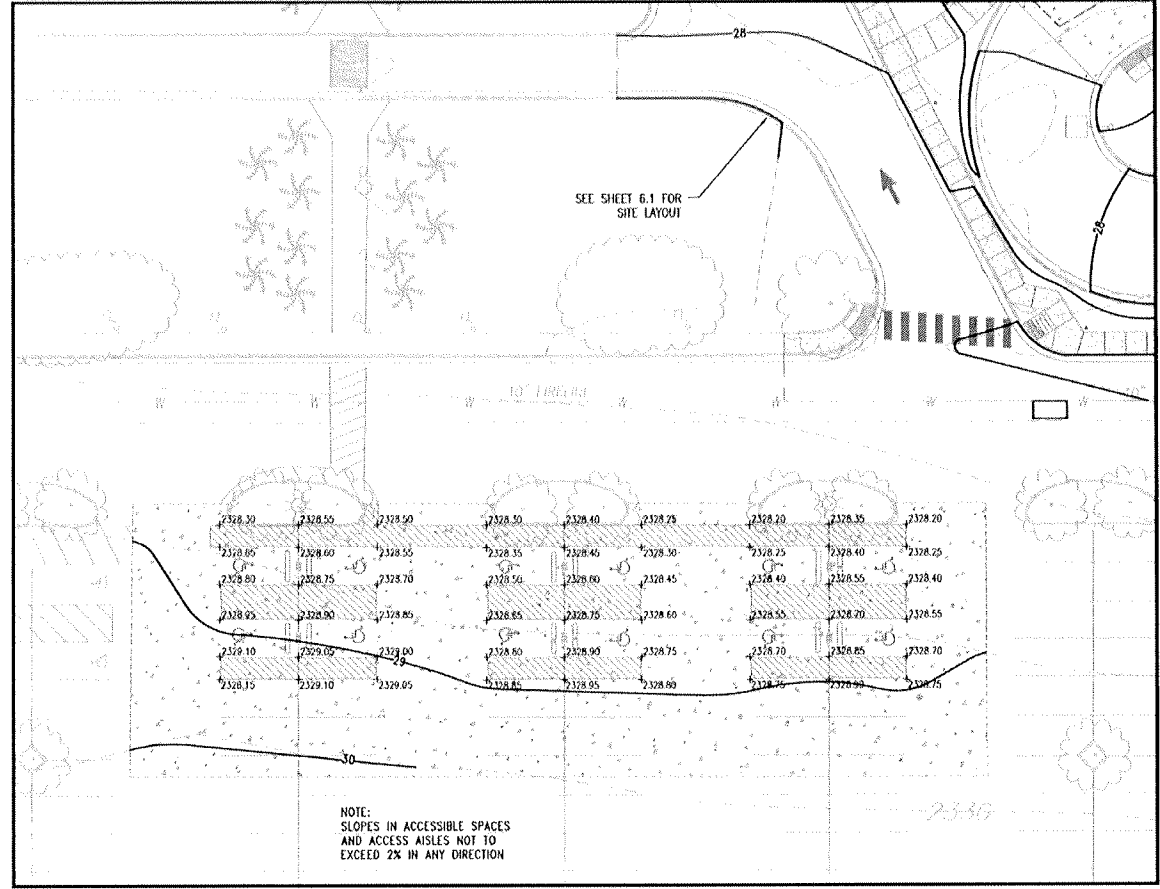
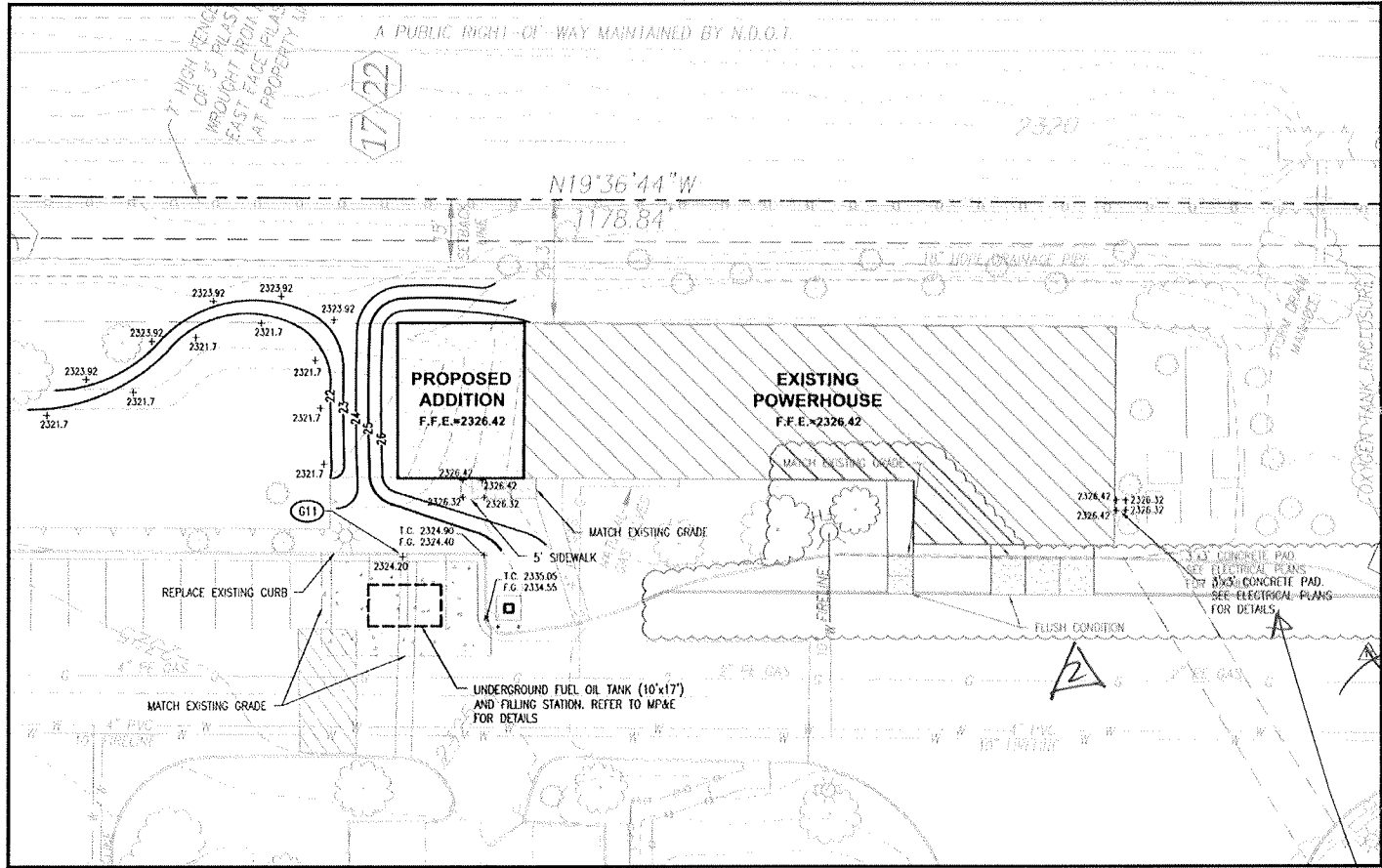


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IDENTIFICATION # 28187
Sheet Number

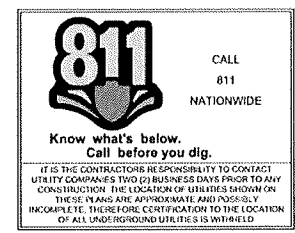
C6.2
SHEET 21 OF 33

Job Number
0713100
Drawn By
J. STARR
Checked By
J. STARR
Revision
1
2 ONSITE GRADING

LAS VEGAS, NEVADA
GRADING PLAN



VERIFY
DVM
NOTES



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
G11	2' CURB CUT	7-CB.2
G150	TRANSITION FROM FLUSH CONDITIONS TO 6" CURB OVER 15 FEET	6-CB.2

SITE GRADING NOTES

- SEE SHEET C2.0 FOR GRADING NOTES.
- SEE SHEET C2.1 FOR CITY OF LAS VEGAS GRADING NOTES.
- ALL ONSITE STORM DRAIN SYSTEMS AND ASSOCIATED FACILITIES ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED.
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- PROPOSED JUNCTION MANHOLE TO BE JENSEN PRECAST MODEL MAG 520 (48" INNER DIAMETER) OR APPROVED EQUAL.
- PROPOSED HEADWALL TO BE JENSEN PRECAST MODEL MAG 501-1 (30" INSIDE PIPE DIAMETER) OR APPROVED EQUAL.
- SEE SHEET C6.0 FOR BENCHMARK

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

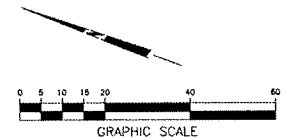
JIM LITTLEJOHN P.E.
LITTLEJOHN ENGINEERING ASSOCIATES

DATE

PROPOSED FEATURES LEGEND:

- 5221 PROPOSED CONTOURS
- SETBACKS AND EASEMENTS
- WATER LINE

RELOT



GRADING PLAN

**MOUNTAIN VIEW HOSPITAL
EMERGENCY & ICU DEPARTMENT ADDITIONS
and INTERIOR RENOVATIONS**

OWNER/DEVELOPER
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P: 702.381.6144 F: 702.381.6428 WWW.LEAENG.COM

PROFESSIONAL ENGINEER STATE OF NEVADA
JAMES H. LITTLEJOHN
No. 13639
CIVIL

EXPIRATION DATE: 12/31/2011

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Sheet Number

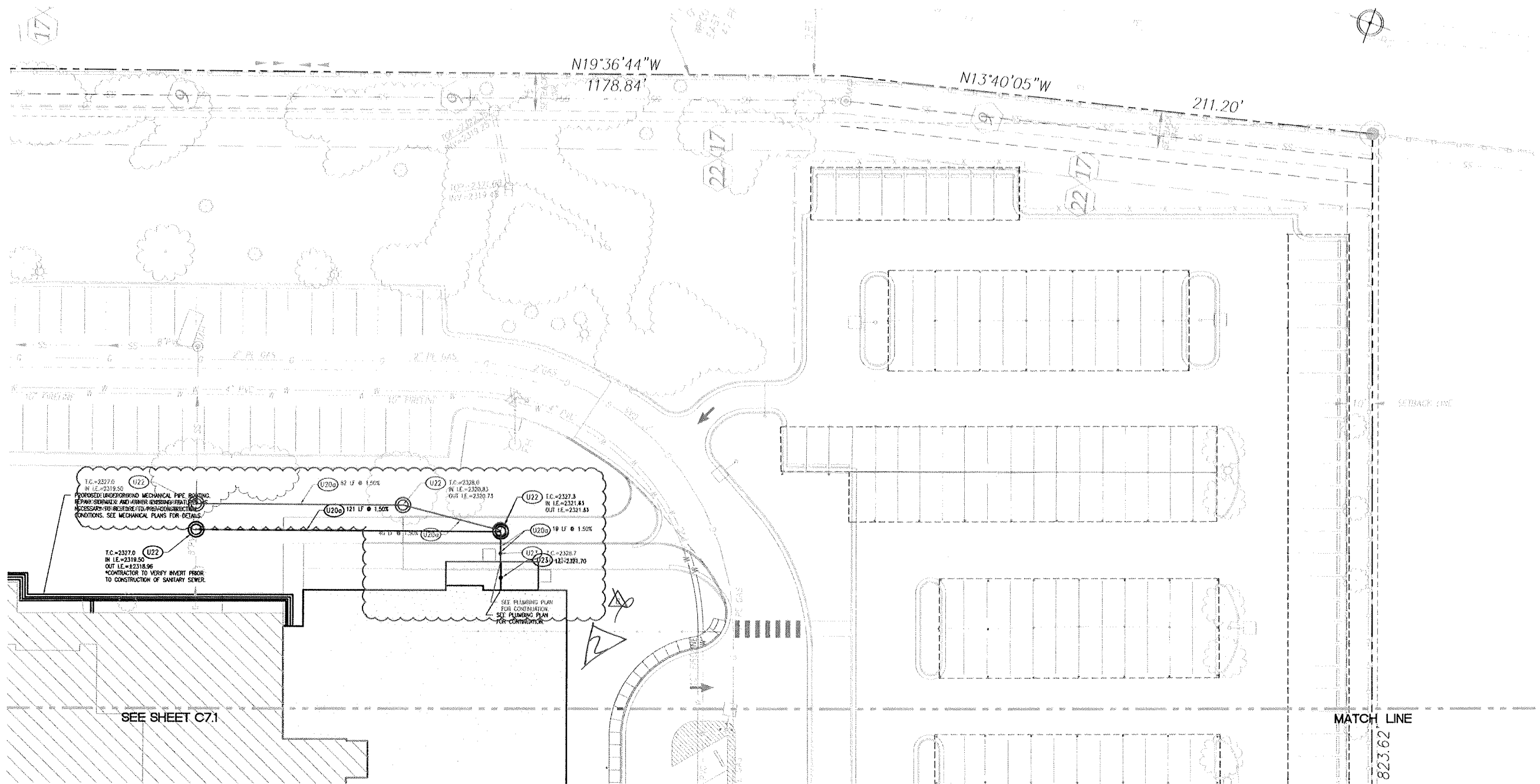
C6.3
SHEET 22 OF 33

Job Number: 07131.DD
Date: 06-28-2011
Drawn By: [Signature]
Checked By: [Signature]
Reviewed By: [Signature]

2. ONSITE GRADING

LAS VEGAS, NEVADA

GRADING PLAN



SEE SHEET C7.1

MATCH LINE



CALL
811
NATIONWIDE

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SITE UTILITY KEY NOTE		
CODE	DESCRIPTION	DETAIL REF.
U20	FIRE LINE (6")	.
U10	RELOCATED FIRE HYDRANT ASSEMBLY	1-C8.1
U120	TAPPING SLEEVE AND VALVE (10"x6")	.
U130	GATE VALVE (6")	.
U200	SANITARY SEWER SERVICE (8")	.
U22	SANITARY SEWER MANHOLE	4-C8.1
U23	CLEANOUT	6-C8.1

- UTILITY NOTES:
- SEE SHEET C2.0 FOR UTILITY NOTES.
 - SEE SHEET C7.0 FOR BENCHMARK.

APPROVED FOR CONSTRUCTION

LAS VEGAS FIRE & RESCUE

DATE

LAS VEGAS VALLEY WATER DISTRICT

DATE



GRAPHIC SCALE

OWNER/DEVELOPER
SUNRISE MOUNTAINVIEW HOSPITAL
3100 N TENAYA WAY
LAS VEGAS, NV 89128
P: (702) 225-5005

LITTLEJOHN
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ASSOCIATES

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LEA PROJECT
IDENTIFICATION # 29187
Sheet Number

C7.2
SHEET 25 OF 33

OWNER/DEVELOPER
SUNRISE MOUNTAINVIEW HOSPITAL
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C7.2
SHEET 25 OF 33

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IDENTIFICATION # 29187
Sheet Number

C7.2
SHEET 25 OF 33

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LEA PROJECT
IDENTIFICATION # 29187
Sheet Number

C7.2
SHEET 25 OF 33

MOUNTAIN VIEW HOSPITAL
EMERGENCY & ICU DEPARTMENT ADDITIONS
and INTERIOR RENOVATIONS

LAS VEGAS, NEVADA
UTILITY PLAN

Job Number
07131.D0
Drawn By

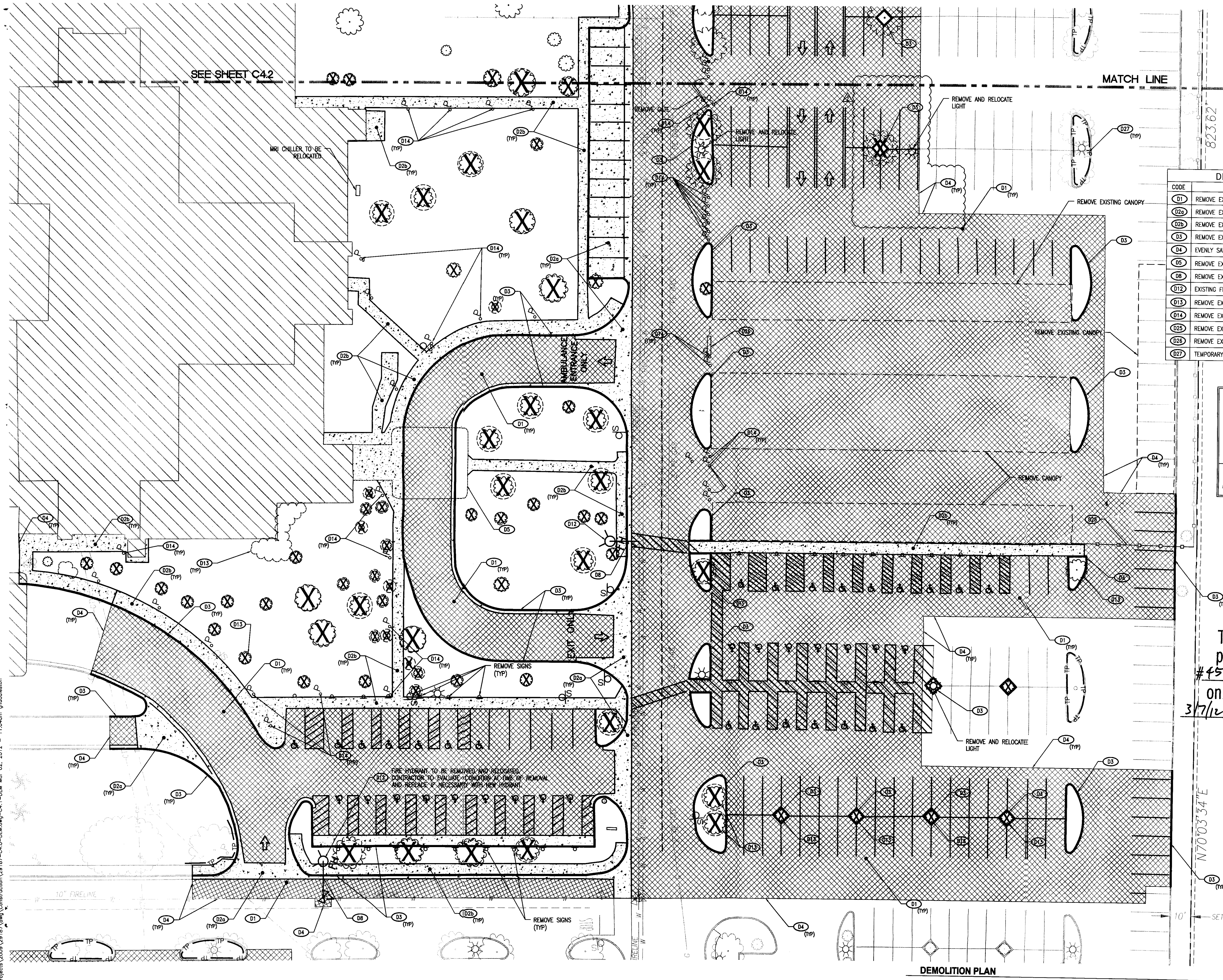
2
JOSIE GRADY
WED SM. SENAL

Date
06-28-2011
Checked By



REplot

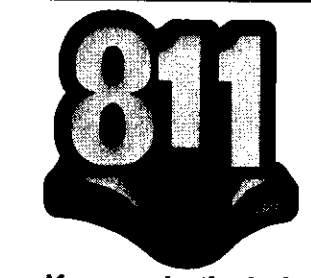
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SEE SHEET C42

MATCH LINE

DEMOLITION KEY NOTE		
CODE	DESCRIPTION	DETAIL REF.
D1	REMOVE EXISTING ASPHALT PAVEMENT	
D2a	REMOVE EXISTING CONCRETE PAVEMENT	
D2b	REMOVE EXISTING CONCRETE SIDEWALK	
D3	REMOVE EXISTING CURB	
D4	EVENLY SAWCUT	
D5	REMOVE EXISTING BUILDING/STRUCTURE	
D8	REMOVE EXISTING WATER LINE & APPURTENANCES	
D12	EXISTING FIRE HYDRANT TO BE RELOCATED	
D13	REMOVE EXISTING VEGETATION	
D14	REMOVE EXISTING POST	
D25	REMOVE EXISTING FENCE	
D26	REMOVE EXISTING TIRE SPIKES	
D27	TEMPORARY TREE PROTECTION	



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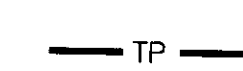
IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT UTILITY COMPANIES TWO (2) BUSINESS DAYS PRIOR TO ANY CONSTRUCTION. THE LOCATION OF UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND POSSIBLY INCOMPLETE. THEREFORE CERTIFICATION TO THE LOCATION OF ALL UNDERGROUND UTILITIES IS WITHHELD.

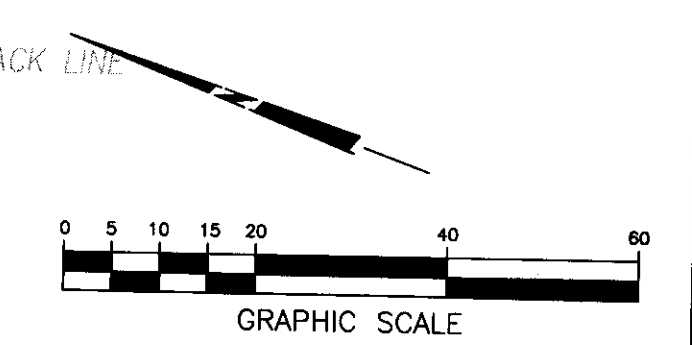
This grading plan is a part of drainage study #4520-2 which was received on 3/5/12 and App'd on 3/7/12. Page 1 of 12.

DEMOLITION NOTES

- SEE SHEET C2.0 FOR DEMOLITION NOTES.
- SEE SHEET C4.0 FOR BENCHMARK.

PROPOSED FEATURES LEGEND:

-  CONCRETE REMOVAL
-  ASPHALT REMOVAL
-  TREE PROTECTION
-  TREE TO BE REMOVED



DEMOLITION PLAN

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

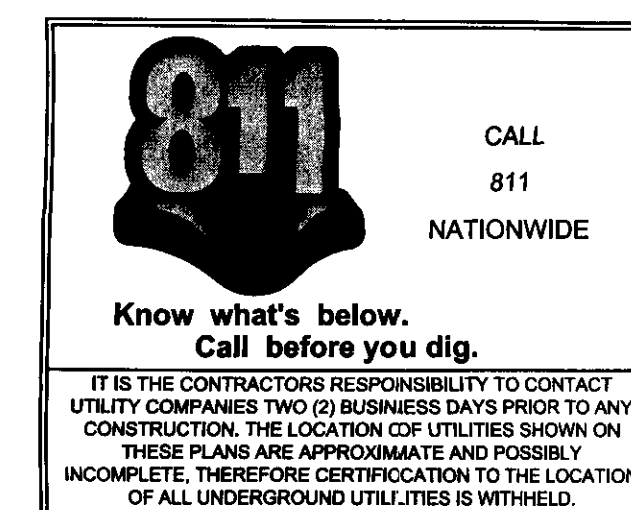
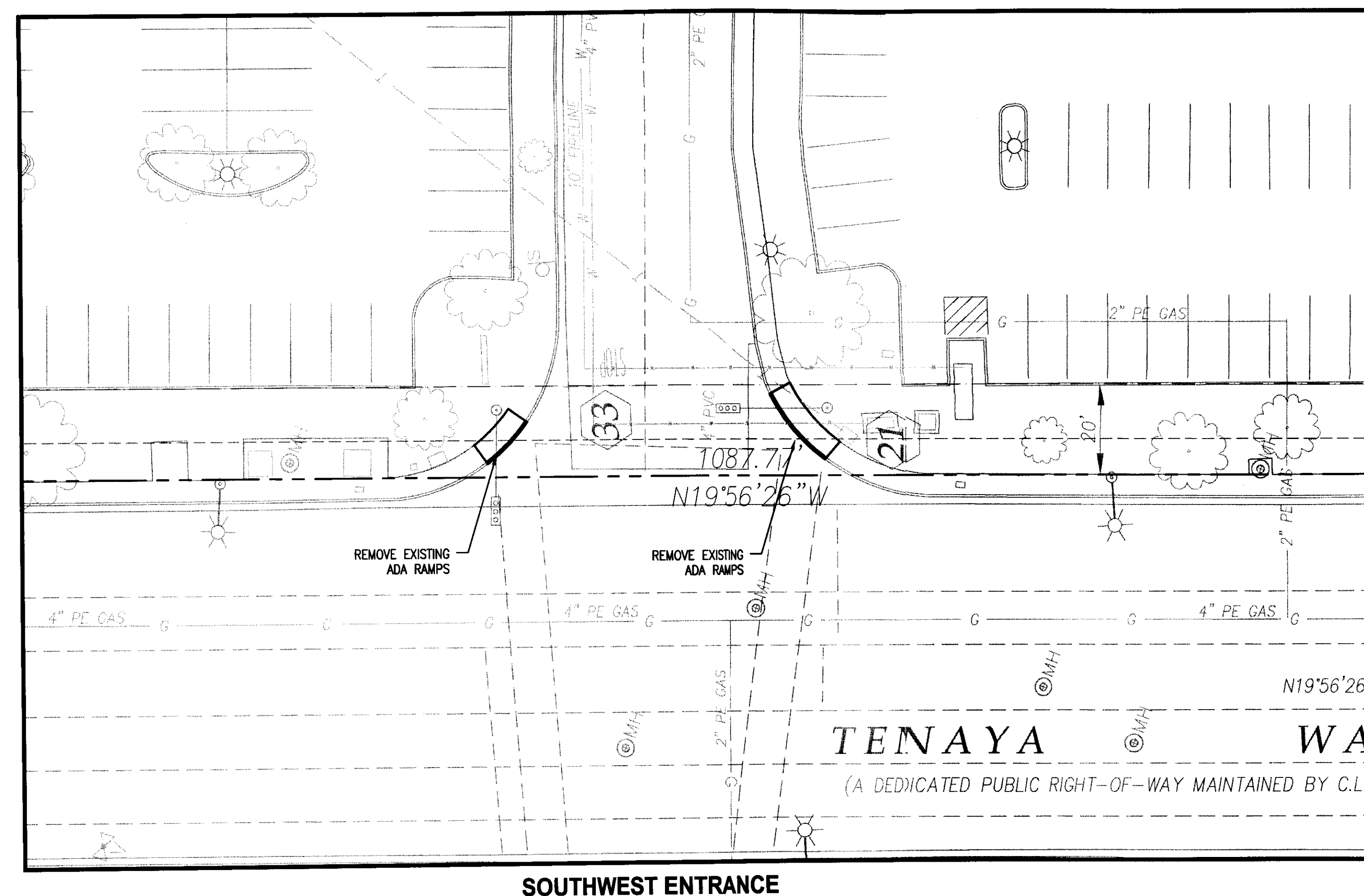
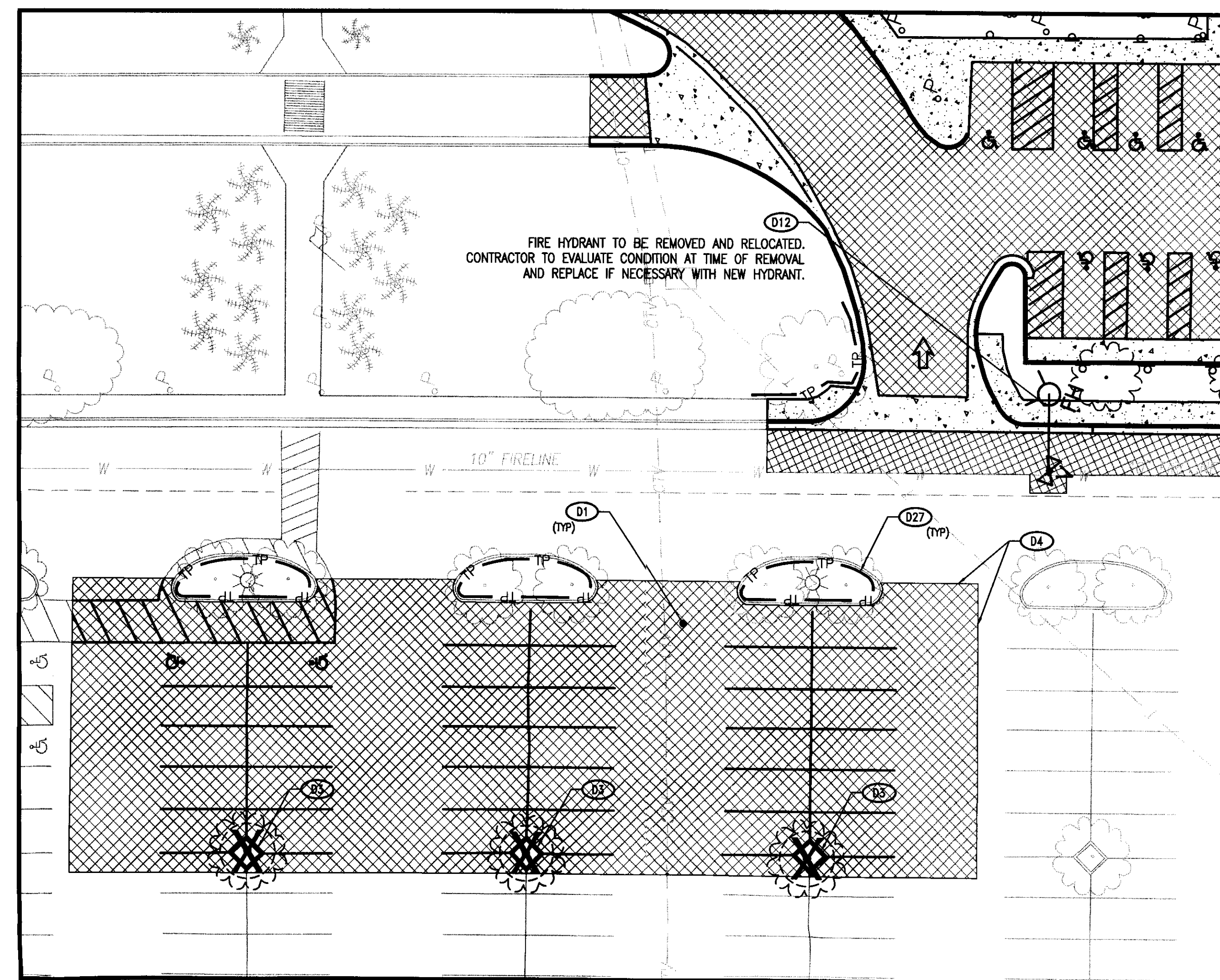
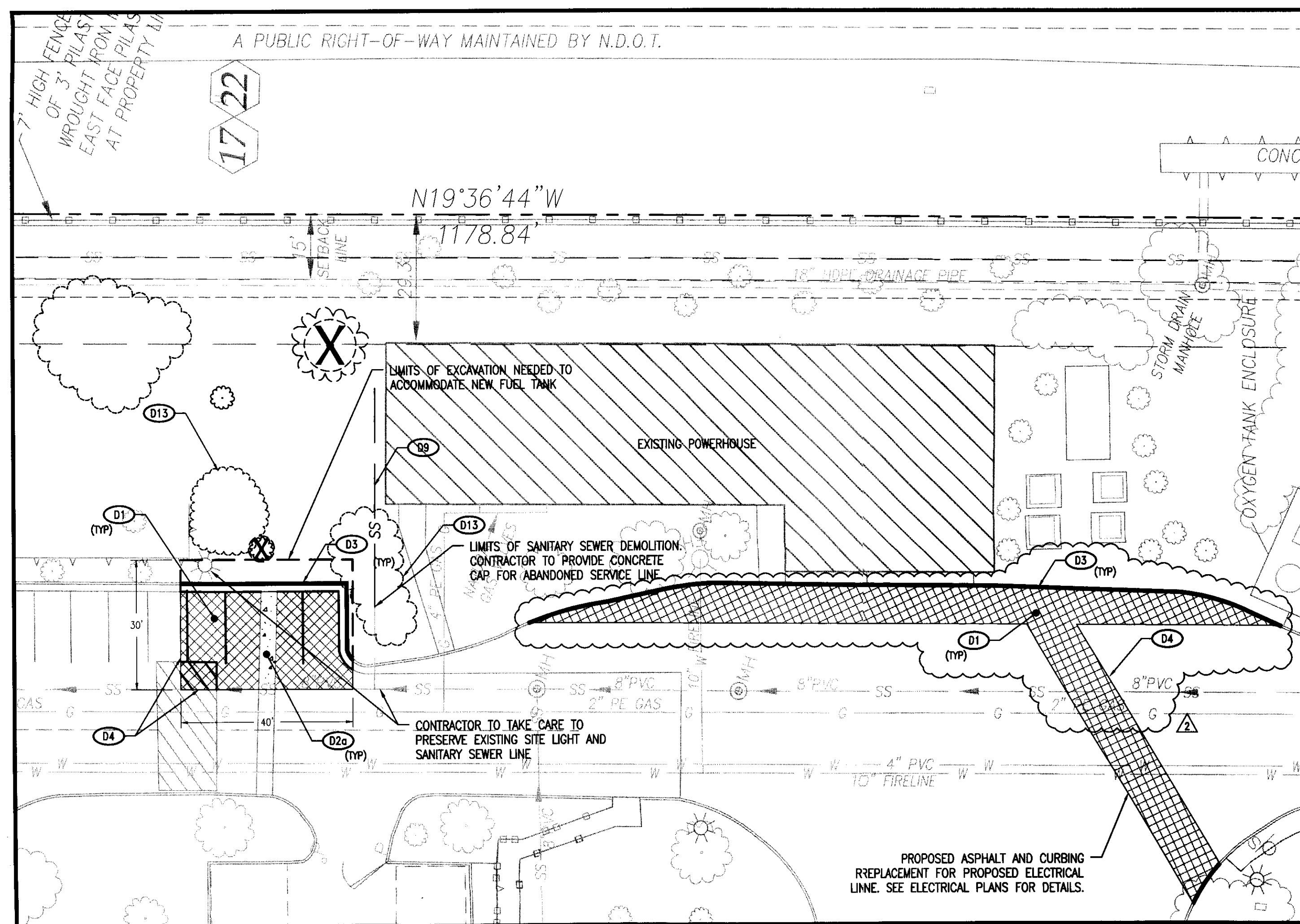


JAMES H.
LITTLEJOHN
CIVIL

EXPIRATION DATE: 12/31/2013

LEA PROJECT
IDENTIFICATION # 29187
Sheet Number

LAS VEGAS, NEVADA
DEMOLITION PLAN



DEMOLITION KEY NOTE		
CODE	DESCRIPTION	DETAIL REF.
D1	REMOVE EXISTING ASPHALT PAVEMENT	.
D2a	REMOVE EXISTING CONCRETE PAVEMENT	.
D2b	REMOVE EXISTING CONCRETE SIDEWALK	.
D3	REMOVE EXISTING CURB	.
D4	EVENLY SAWCUT	.
D5	REMOVE EXISTING BUILDING/STRUCTURE	.
D8	REMOVE EXISTING WATER LINE & APPURTENANCES	.
D9	REMOVE EXISTING SANITARY SEWER LINE	.
D12	EXISTING FIRE HYDRANT TO BE RELOCATED	.
D13	REMOVE EXISTING VEGETATION	.
D14	REMOVE EXISTING POST	.
D25	REMOVE EXISTING FENCE	.
D27	TEMPORARY TREE PROTECTION	.

DEMOLITION NOTES

1. SEE SHEET C2.0 FOR DEMOLITION NOTES.
2. SEE SHEET C4.0 FOR BENCHMARK.

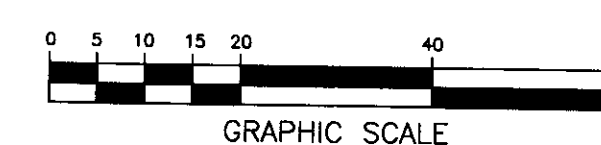
PROPOSED FEATURES LEGEND:

CONCRETE REMOVAL

 ASPHALT REMOVAL

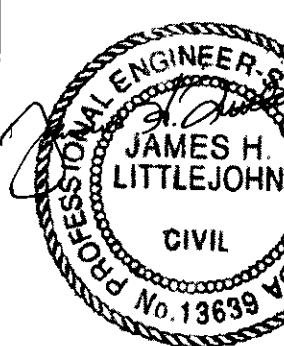
TREE PROTECTION

ASPHALT REMOVAL
This grading plan is a
FREE PROTECTION
part of drainage study
#4520-2 which was received
on 3/5/12 and Appl on
3/7/12. Page 3 of 12



OWNER / DEVELOPER
SUNRISE MOUNTAINVIEW HOSPITAL
31300 N TENAYA WAY
LAS VEGAS, NV 89128
P: (702) 225-5065

**LITTLEJOHN
ENGINEERING
ASSOCIATES**
P.O. BOX 1000
NASHVILLE, TENNESSEE 37212
615-259-4070 WWW.LEANING.COM



EXPIRATION DATE: 12/31/201

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IDENTIFICATION # 29187
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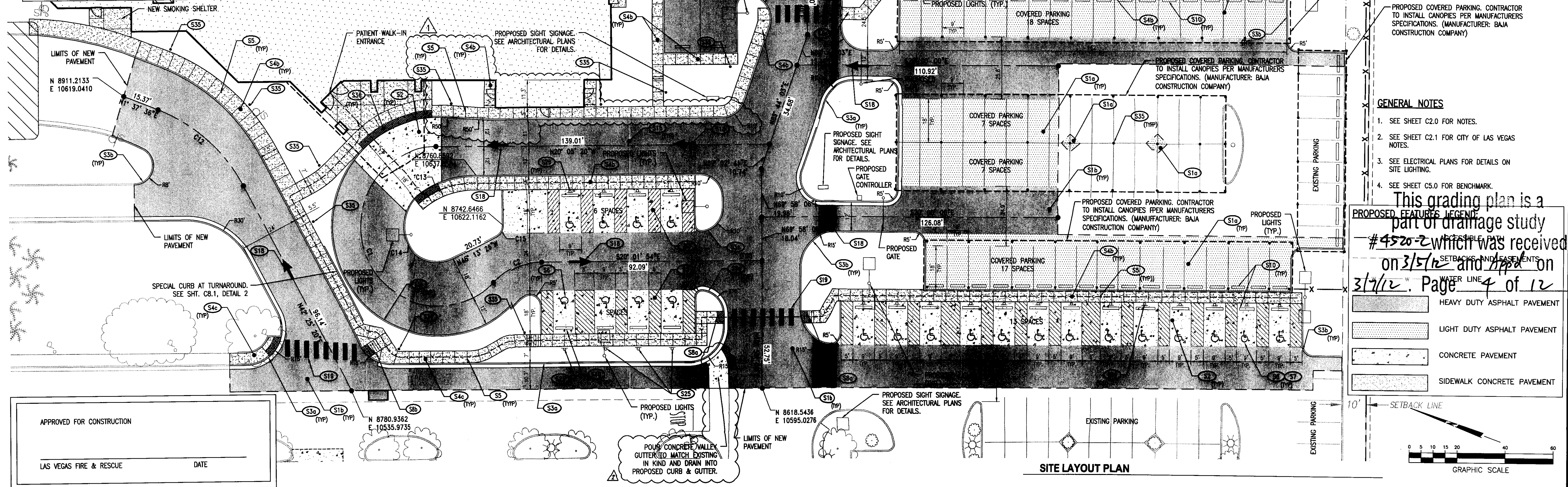
C4.3
SHEET 14 OF 33

**MOUNTAIN VIEW HOSPITAL
EMERGENCY & ICU DEPARTMENT ADDITIONS
and INTERIOR RENOVATIONS**

DEMOLITION PLAN

SITE LAYOUT KEY NOTE		
CODE	DESCRIPTION	DETAIL REF.
S1a	ASPHALT PAVEMENT LIGHT DUTY	1-C8.0
S1b	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
S4a	CONCRETE SIDEWALK	6-C8.0
S4b	CONCRETE WALK W/TURN DOWN CURB	6-C8.0
S4c	CONCRETE WALK AT CURB & GUTTER	6-C8.0
S5	SIDEWALK JOINTS	3-C8.0
S6	ACCESSIBLE SYMBOL	8-C8.0
S7	ACCESSIBLE PARKING AREA	7-C8.0
S8a	ACCESSIBLE RAMP	11-C8.0
S8b	ACCESSIBLE CURB CUT RAMP	7-C8.1
S8c	ACCESSIBLE RAMP AT CURB RETURN	8-C8.2
S9	STRIPING	8-C8.1
S10	CONCRETE WHEEL STOP	5-C8.0
S14	CONCRETE BOLLARD	10-C8.0
S18	DIRECTIONAL ARROW	9-C8.0
S19	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	HELIPAD PAVEMENT	2-C8.2
S31	HELIPAD MARKING	1-C8.2
S32	HELIPAD MARKER LIGHT (SEE ELECTRICAL PLANS)	
S33	HELIPAD FLOOD LIGHT (SEE ELECTRICAL PLANS)	
S34	HELIPAD FENCE	5-C8.2
S35	BOLLARD LIGHTING	SEE ELECTRICAL PLANS
S36	TACTILE WARNING	9-C8.0

CURVE TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C1	129.64	33.00	225.08	S47° 22' 16"W	60.96
C2	22.06	28.00	45.14	S42° 35' 49"E	21.50
C3	34.56	22.00	90.00	S24° 54' 40"W	31.11
C4	28.27	18.00	90.00	S65° 05' 20"E	25.46
C5	18.70	11.97	89.48	N25° 11' 06"E	16.86
C12	48.42	68.00	40.80	N22° 01' 28"E	47.40
C13	28.30	40.00	40.54	N40° 21' 24"W	27.71
C14	43.35	15.00	165.60	N36° 34' 33"E	29.76
C15	5.57	5.00	63.80	S78° 07' 31"E	5.28



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- PROPOSED COVERED PARKING. CONTRACTOR TO INSTALL CANOPIES PER MANUFACTURERS SPECIFICATIONS. (MANUFACTURER: BAJA CONSTRUCTION COMPANY) DUE TO ROTOR WASH FROM HELICOPTERS, CANOPY DESIGN FOR THIS BAY MUST MEET A STRUCTURAL WIND LOAD OF 30 PSF MINIMUM UNLESS A SMALLER PRESSURE CAN BE JUSTIFIED BY RATIONAL METHODS.
- CONTRACTOR TO VERIFY THAT EXISTING LIGHT IS LESS THAN 14' IN HEIGHT. (IN CONSIDERATION OF PROPOSED HELICOPTER GLIDE SLOPE) IF TALLER THAN 14', CONTACT ENGINEER.
- PROPOSED COVERED PARKING. CONTRACTOR TO INSTALL CANOPIES PER MANUFACTURERS SPECIFICATIONS. (MANUFACTURER: BAJA CONSTRUCTION COMPANY) DUE TO ROTOR WASH FROM HELICOPTERS, CANOPY DESIGN FOR THIS BAY MUST MEET A STRUCTURAL WIND LOAD OF 30 PSF MINIMUM UNLESS A SMALLER PRESSURE CAN BE JUSTIFIED BY RATIONAL METHODS.
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- PROPOSED COVERED PARKING. CONTRACTOR TO INSTALL CANOPIES PER MANUFACTURERS SPECIFICATIONS. (MANUFACTURER: BAJA CONSTRUCTION COMPANY)

- 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.

This grading plan is a part of drainage study #4520-2 which was received on 3/5/12 and approved on 3/7/12. Page 4 of 12

PROPOSED FEATURES LEGEND:

[Pattern]	HEAVY DUTY ASPHALT PAVEMENT
[Pattern]	LIGHT DUTY ASPHALT PAVEMENT
[Pattern]	CONCRETE PAVEMENT
[Pattern]	SIDEWALK CONCRETE PAVEMENT

APPROVED FOR CONSTRUCTION

LAS VEGAS FIRE & RESCUE

DATE

DATE
06-30-2011

CREATED BY
STANWELLS

ON-SITE PAVEMENT

MOUNTAIN VIEW HOSPITAL
EMERGENCY & ICU DEPARTMENT ADDITIONS
and INTERIOR RENOVATIONS

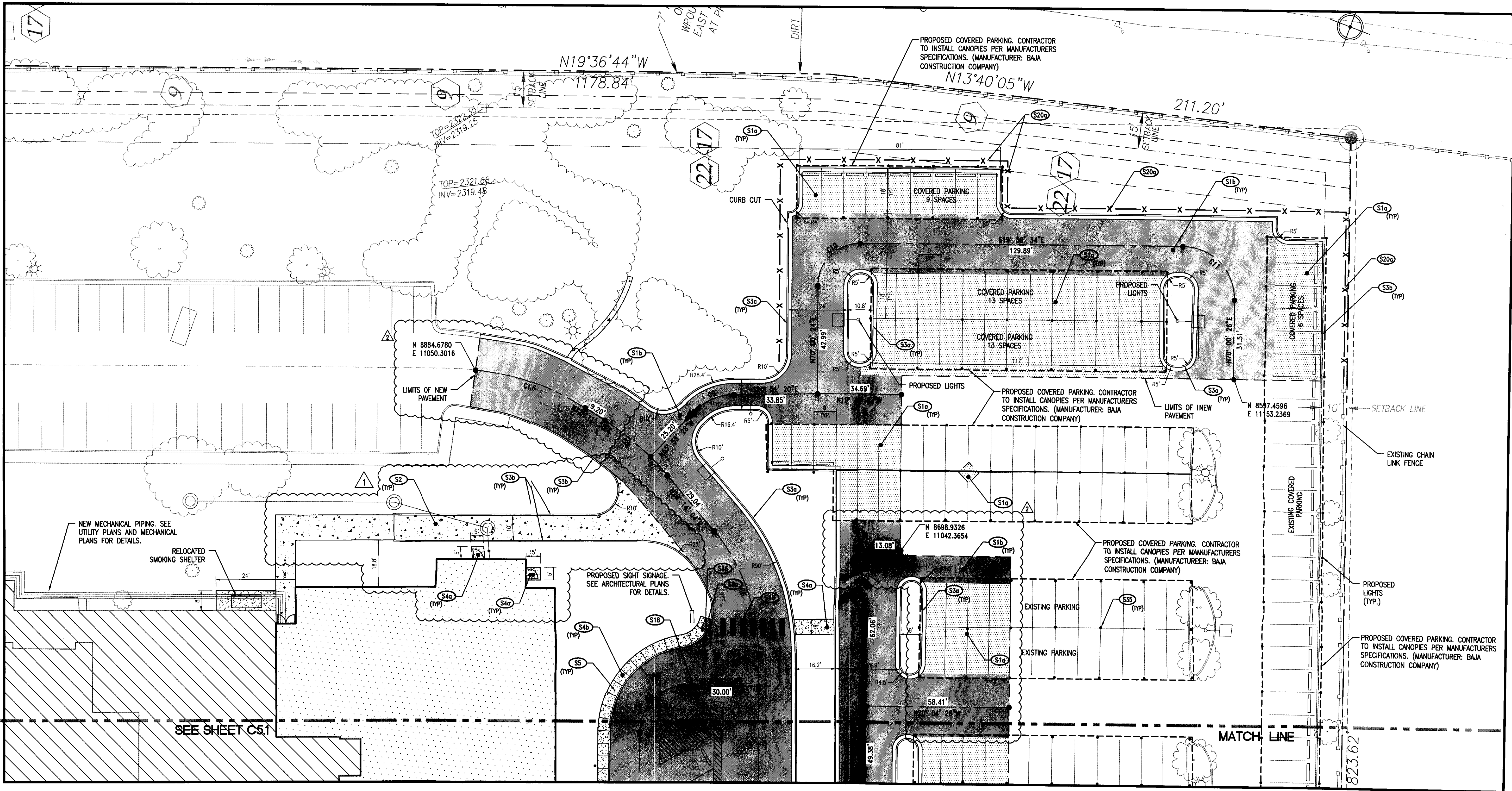
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EXPIRATION DATE: 12/31/2013

LEA PROJECT
IDENTIFICATION # 29187
Sheet Number

C5.1
SHEET 16 OF 33



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THESE PLANS ARE APPROXIMATE AND POSSIBLY
INCOMPLETE. THEREFORE CERTIFICATION TO THE LOCATION
OF ALL UNDERGROUND UTILITIES IS WITHHELD.

CURVE TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C4	28.27	18.00	90.00	S65° 05' 20"E	25.46
C6	53.24	75.00	40.67	N49° 34' 31"E	52.13
C7	9.93	1110.26	5.16	N26° 39' 18"E	9.92
C8	23.58	1110.26	12.25	N17° 56' 53"E	23.54
C9	17.59	22.36	45.08	S43° 23' 41"E	17.14
C10	26.70	17.00	90.00	S64° 59' 34"E	24.04
C11	33.11	21.08	90.00	N25° 00' 26"E	29.81
C16	46.59	1100.00	26.69	N1° 08' 52"W	46.17

APPROVED FOR CONSTRUCTION

LAS VEGAS FIRE & RESCUE _____ DATE _____

SITE LAYOUT KEY NOTE					
CODE	DESCRIPTION	DETAIL REF.	CODE	DESCRIPTION	DETAIL REF.
(S10)	ASPHALT PAVEMENT LIGHT DUTY	1-C8.0	(S14)	CONCRETE BOLLARD	10-C8.0
(S16)	ASPHALT PAVEMENT HEAVY DUTY	1-C8.0	(S18)	DIRECTIONAL ARROW	9-C8.0
(S2)	CONCRETE PAVEMENT	1-C8.0	(S19)	PEDESTRIAN CROSSWALK	4-C8.0
(S30)	CONCRETE CURB & GUTTER	2-C8.0	(S200)	CHAIN LINK FENCE (HEIGHT TO MATCH EXISTING)	-
(S3b)	CONCRETE POST CURB	2-C8.0	(S23)	24" PAINTED STOP BAR	3-C8.2
(S40)	CONCRETE SIDEWALK	6-C8.0	(S25)	EXTERIOR ACCESSIBLE SIGN	12-C8.0
(S46)	CONCRETE WALK W/TURN DOWN CURB	6-C8.0	(S26)	EXTERIOR ACCESSIBLE SIGN SET IN BOLLARD	13-C8.0
(S4c)	CONCRETE WALK AT CURB & GUTTER	6-C8.0	(S30)	HELIPAD PAVEMENT	2-C8.2
(S5)	SIDEWALK JOINTS	3-C8.0	(S31)	HELIPAD MARKING	1-C8.2
(S8)	ACCESSIBLE SYMBOL	8-C8.0	(S32)	HELIPAD MARKER LIGHT (SEE ELECTRICAL PLANS)	-
(S7)	ACCESSIBLE PARKING AREA	7-C8.0	(S33)	HELIPAD FLOOD LIGHT (SEE ELECTRICAL PLANS)	-
(S8a)	ACCESSIBLE RAMP	11-C8.0	(S34)	HELIPAD FENCE	5-C8.2
(S8b)	ACCESSIBLE CURB CUT RAMP	7-C8.1	(S35)	BOLLARD LIGHTING	SEE ELECTRICAL PLANS
(S8c)	ACCESSIBLE RAMP AT CURB RETURN	8-C8.2	(S36)	TACTILE WARNING	9-C8.2
(S9)	STRIPING	8-C8.1			
(S10)	CONCRETE WHEEL STOP	5-C8.0			

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.

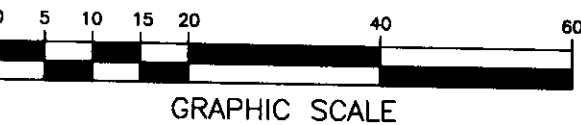
PROPOSED GRADING PLAN IS A part of drainage study #4520-2 which was received on 3/15/12 and App'd on 3/17/12. Page 5 of 12.

HEAVY DUTY ASPHALT PAVEMENT

LIGHT DUTY ASPHALT PAVEMENT

CONCRETE PAVEMENT

SITE LAYOUT PLAN



MOUNTAIN VIEW HOSPITAL
EMERGENCY & ICU DEPARTMENT ADDITIONS
and INTERIOR RENOVATIONS

Job Number: 07131.00
Date: 06-30-2011
Drawn By: [Signature]
Checked By: [Signature]
Reviewed By: [Signature]
Stamp: [Professional Engineer Seal]

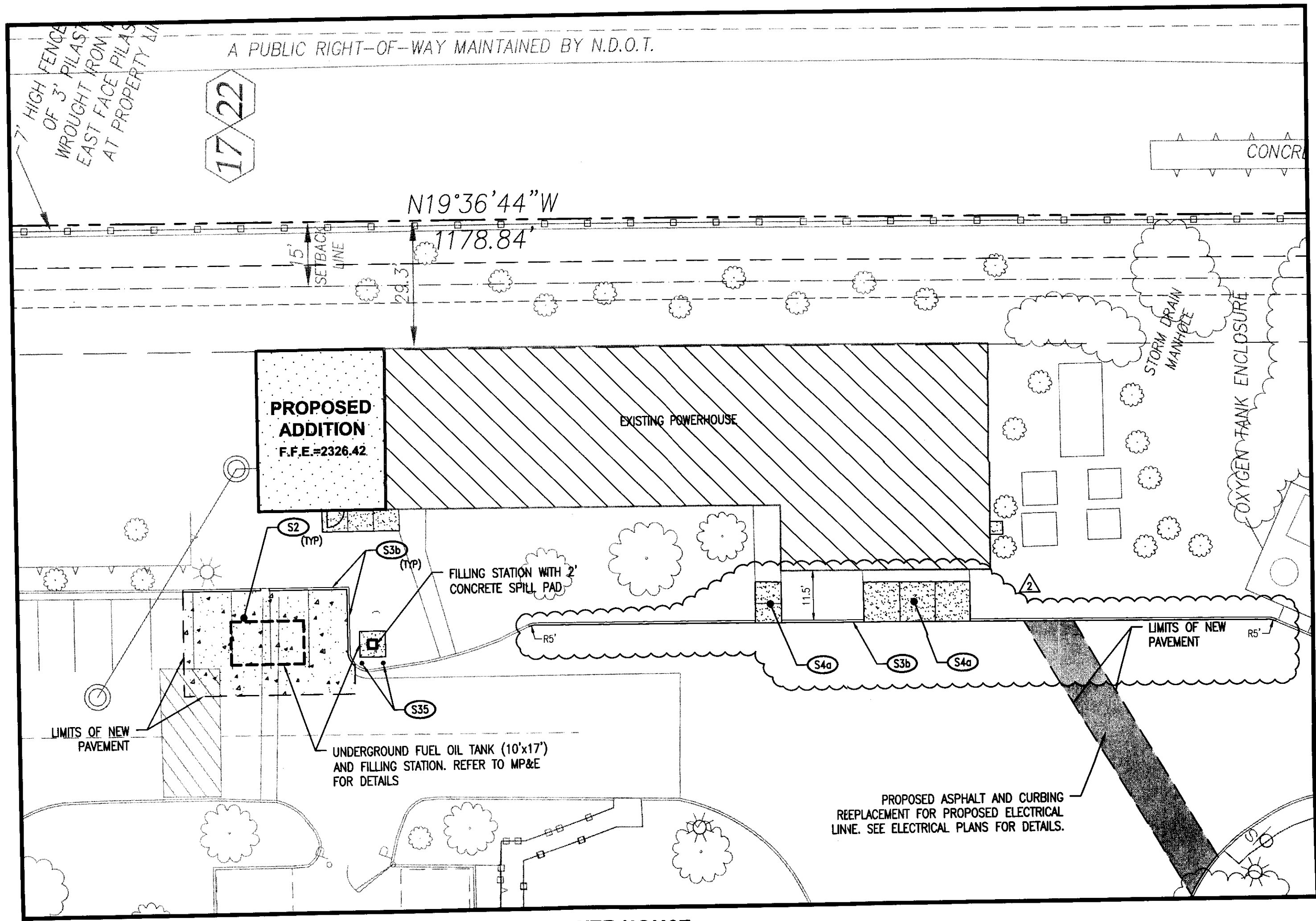
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1845 SUT AVENUE SOUTH, MOBILE, ALABAMA 36688
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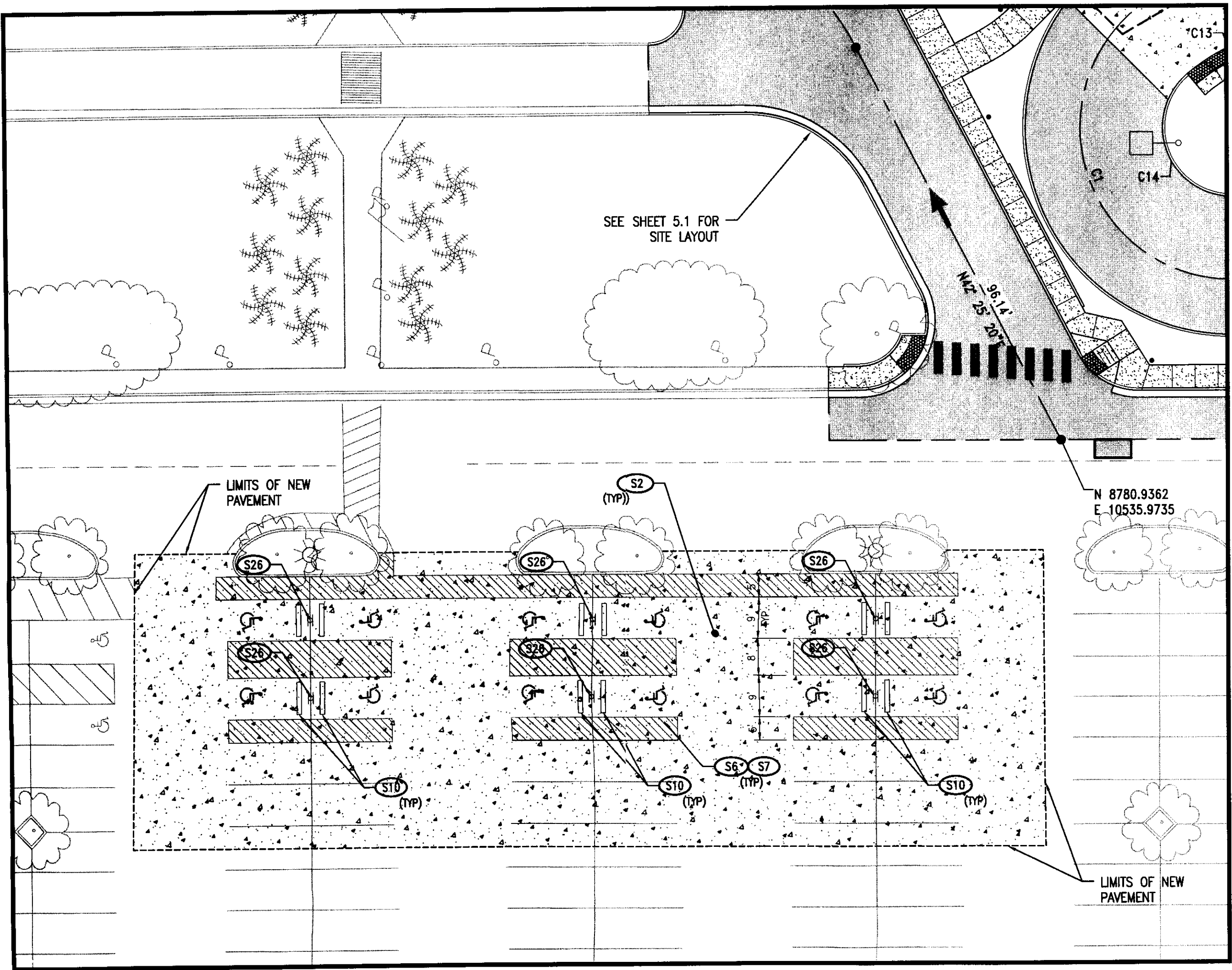
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IDENTIFICATION # 29187
Sheet Number

EXPIRATION DATE: 12/31/2013

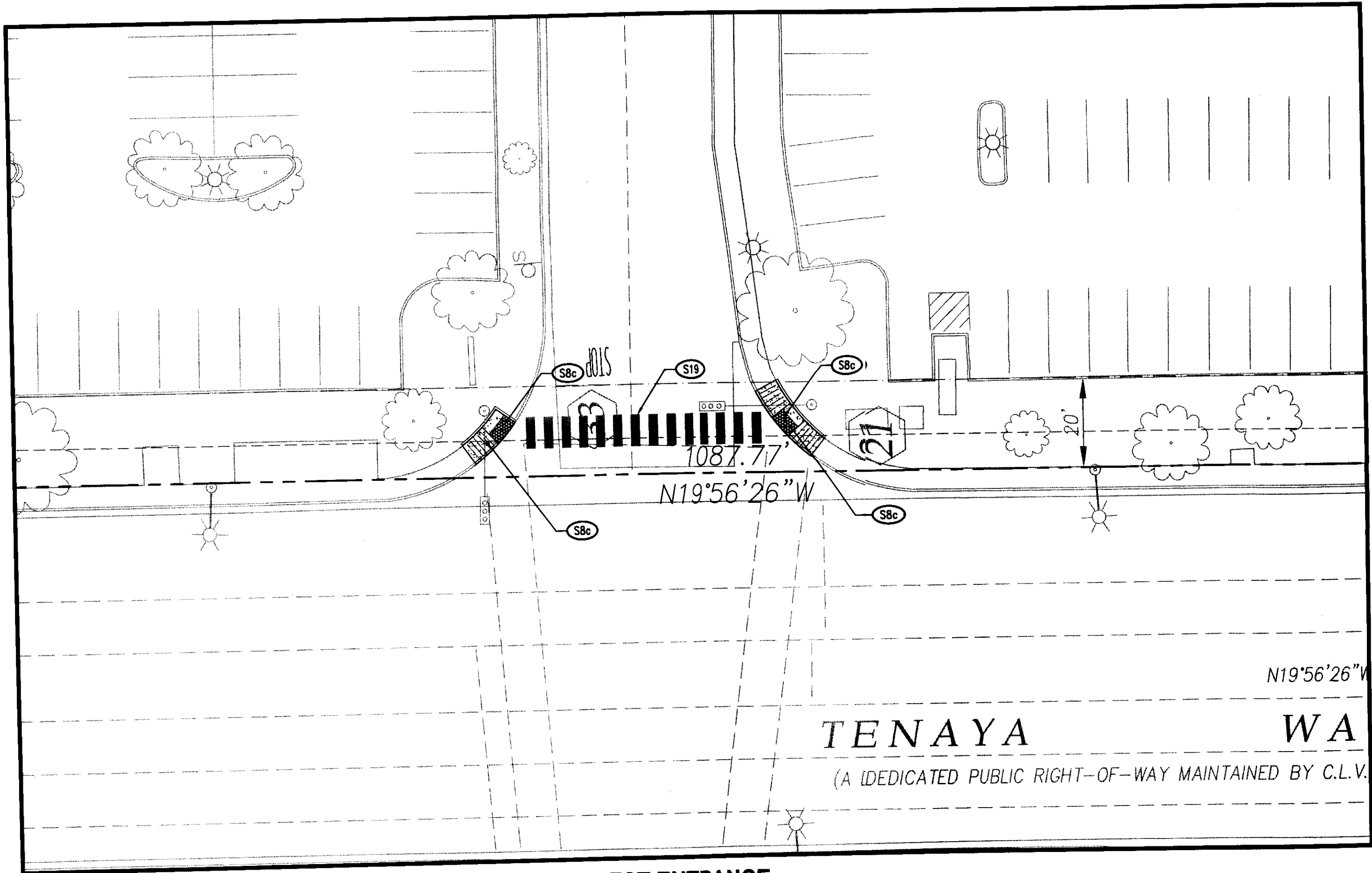
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SHEET 17 OF 33



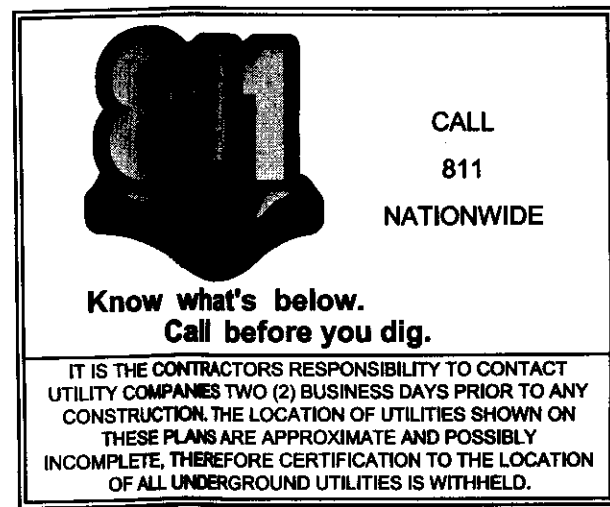
POWER HOUSE



WEST ENTRANCE ACCESSIBLE PARKING



SOUTHWEST ENTRANCE



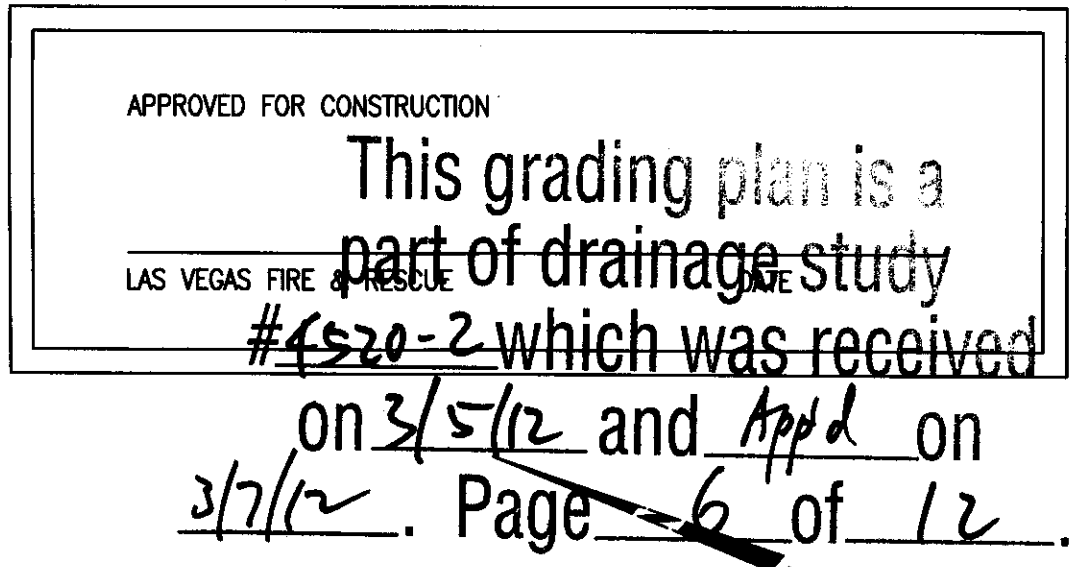
SITE LAYOUT KEY NOTE		
CODE	DESCRIPTION	DETAIL REF.
S10a	ASPHALT PAVEMENT LIGHT DUTY	1-C8.0
S16b	ASPHALT PAVEMENT HEAVY DUTY	1-C8.0
S2	CONCRETE PAVEMENT	1-C8.0
S30a	CONCRETE CURB & GUTTER	2-C8.0
S30b	CONCRETE POST CURB	2-C8.0
S40a	CONCRETE SIDEWALK	6-C8.0
S5	SIDEWALK JOINTS	3-C8.0
S8	ACCESSIBLE SYMBOL	8-C8.0
S7	ACCESSIBLE PARKING AREA	7-C8.0
S80a	ACCESSIBLE RAMP	11-C8.0
S80b	ACCESSIBLE CURB CUT RAMP	7-C8.1
S80c	ACCESSIBLE RAMP AT CURB RETURN	8-C8.2
S9	STRIPING	8-C8.1
S10	CONCRETE WHEEL STOP	5-C8.0
S14	CONCRETE BOLLARD	10-C8.0
S18	DIRECTIONAL ARROW	9-C8.0
S19	PEDESTRIAN CROSSWALK	4-C8.0
S200a	CHAIN LINK FENCE (HEIGHT TO MATCH EXISTING)	-
S23	24" PAINTED STOP BAR	3-C8.2
S25	EXTERIOR ACCESSIBLE SIGN	12-C8.0
S28	EXTERIOR ACCESSIBLE SIGN SET IN BOLLARD	13-C8.0
S30	HELIPAD PAVEMENT	2-C8.2
S31	HELIPAD MARKING	1-C8.2
S32	HELIPAD MARKER LIGHT (SEE ELECTRICAL PLANS)	
S33	HELIPAD FLOOD LIGHT (SEE ELECTRICAL PLANS)	
S34	HELIPAD 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 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

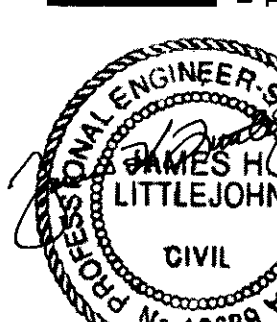
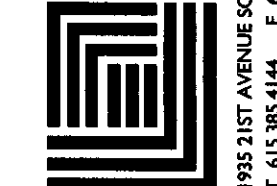


SITE LAYOUT PLAN

MOUNTAIN VIEW HOSPITAL
EMERGENCY & ICU DEPARTMENT ADDITIONS
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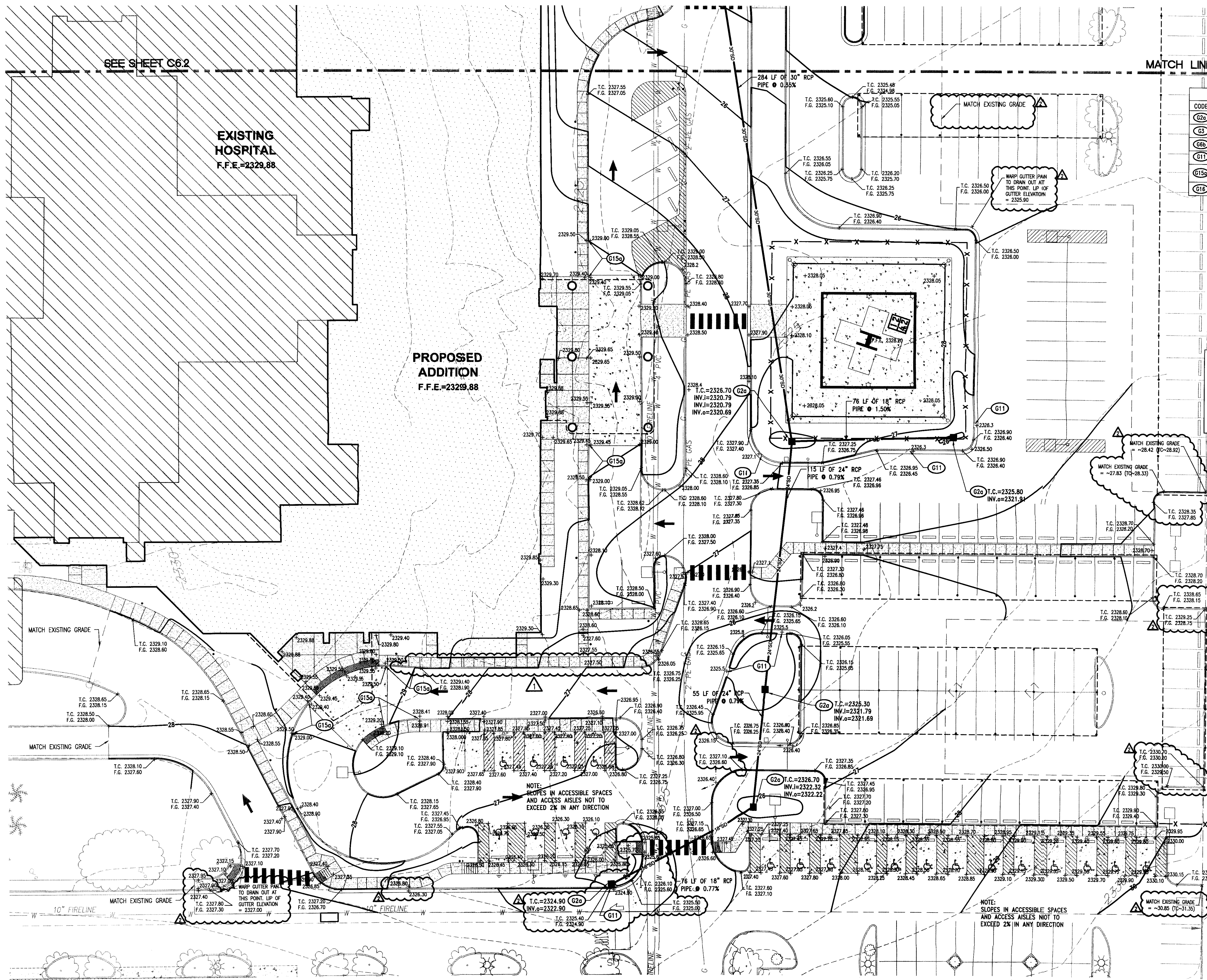
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ASSOCIATES



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LEA PROJECT
IDENTIFICATION # 29187
Sheet Number

C5.3
SHEET 18 OF 33



GRADING & DRAINAGE KEY NOTE		
CODE	DESCRIPTION	DETAIL REF.
G2a	SINGLE CATCH BASIN	3-CB.1
G3	JUNCTION MANHOLE	5-CB.1
G6b	CONCRETE HEADWALL	4-CB.2
G11	2' CURB CUT	7-CB.2
G15a	TRANSITION FROM FLUSH CONDITIONS TO 6" CURB OVER 15 FEET	6-CB.2
G16	CONCRETE SWALE	9-CB.1

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

[Signature] 7/6/12
JIM LITTLEJOHN P.E.
LITTLEJOHN ENGINEERING ASSOCIATES DATE



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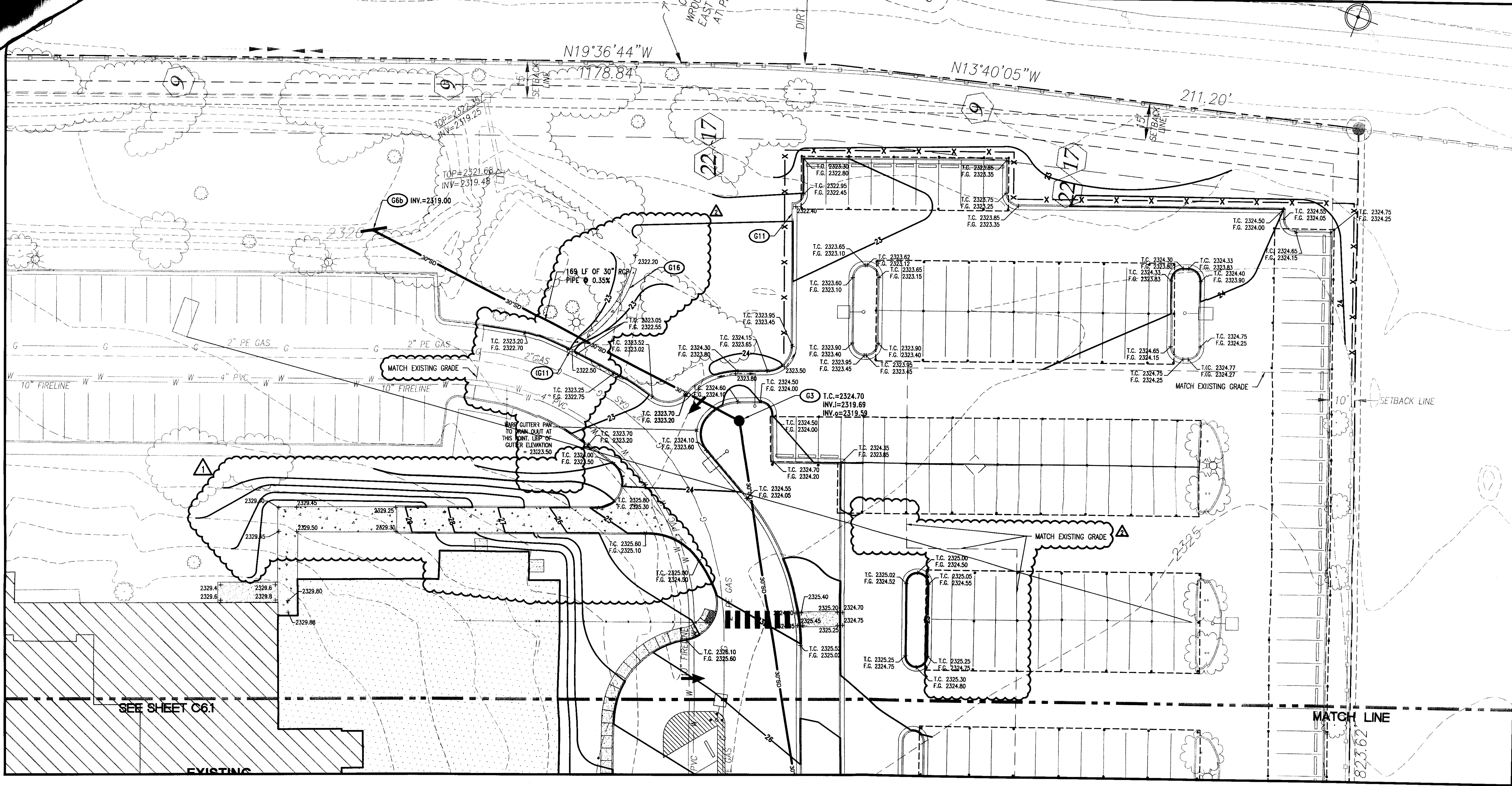
- SITE GRADING NOTES**
- SEE SHEET C2.0 FOR GRADING NOTES.
 - SEE SHEET C2.1 FOR CITY OF LAS VEGAS GRADING NOTES.
 - ALL ONSITE STORM DRAIN SYSTEMS AND ASSOCIATED FACILITIES ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED.
 - ALL PROPOSED CATCH BASINS TO BE JENSEN PRECAST MODEL D12424 (24"x24" GRATE) OR APPROVED EQUAL.
 - PROPOSED JUNCTION MANHOLE TO BE JENSEN PRECAST MODEL MAG 520 (48" INNER DIAMETER) OR APPROVED EQUAL.
 - PROPOSED HEADWALL TO BE JENSEN PRECAST MODEL MAG 501-1" (30" INSIDE PIPE DIAMETER) OR APPROVED EQUAL.
 - SEE SHEET C6.0 FOR BENCHMARK.

PROPOSED FEATURES LEGEND:

5221- PROPOSED CONTOURS

This grading plan is a part of drainage study #4520-2 which was received on 3/5/12 and App'd on 3/7/12. Page 7 of 12

GRAPHIC SCALE





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

[Signature] 3/7/12
JIM LITTLEJOHN P.E.
LITTLEJOHN ENGINEERING ASSOCIATES DATE

- SITE GRADING NOTES**
- SEE SHEET C2.0 IFOR GRADING NOTES.
 - SEE SHEET C2.1 IFOR CITY OF LAS VEGAS GRADING NOTES.
 - ALL ONSITE STORM DRAIN SYSTEMS AND ASSOCIATED FACILITIES ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED.
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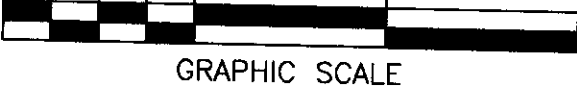
GRADING & DRAINAGE KEY NOTE		
CODE	DESCRIPTION	DETAIL REF.
G2a	SINGLE CATCH BASIN	3-C8.1
G3	JUNCTION MANHOLE	5-C8.1
G6b	CONCRETE HEADWALL	4-C8.2
G11	2' CURB CUT	7-C8.2
G15a	TRANSITION FROM FLUSH CONDITIONS TO 6" CURB OVER 15 FEET	6-C8.2
G16	CONCRETE SWALE	9-C8.1

PROPOSED FEATURES LEGEND:

- 5221 PROPOSED CONTOURS
- SETBACKS AND EASEMENTS
- W W WATER LINE

This grading plan is a part of drainage study #4520-2 which was received on 3/5/12 and App'd on 3/7/12

Page 8 of 12



**MOUNTAIN VIEW HOSPITAL
EMERGENCY & ICU DEPARTMENT ADDITIONS
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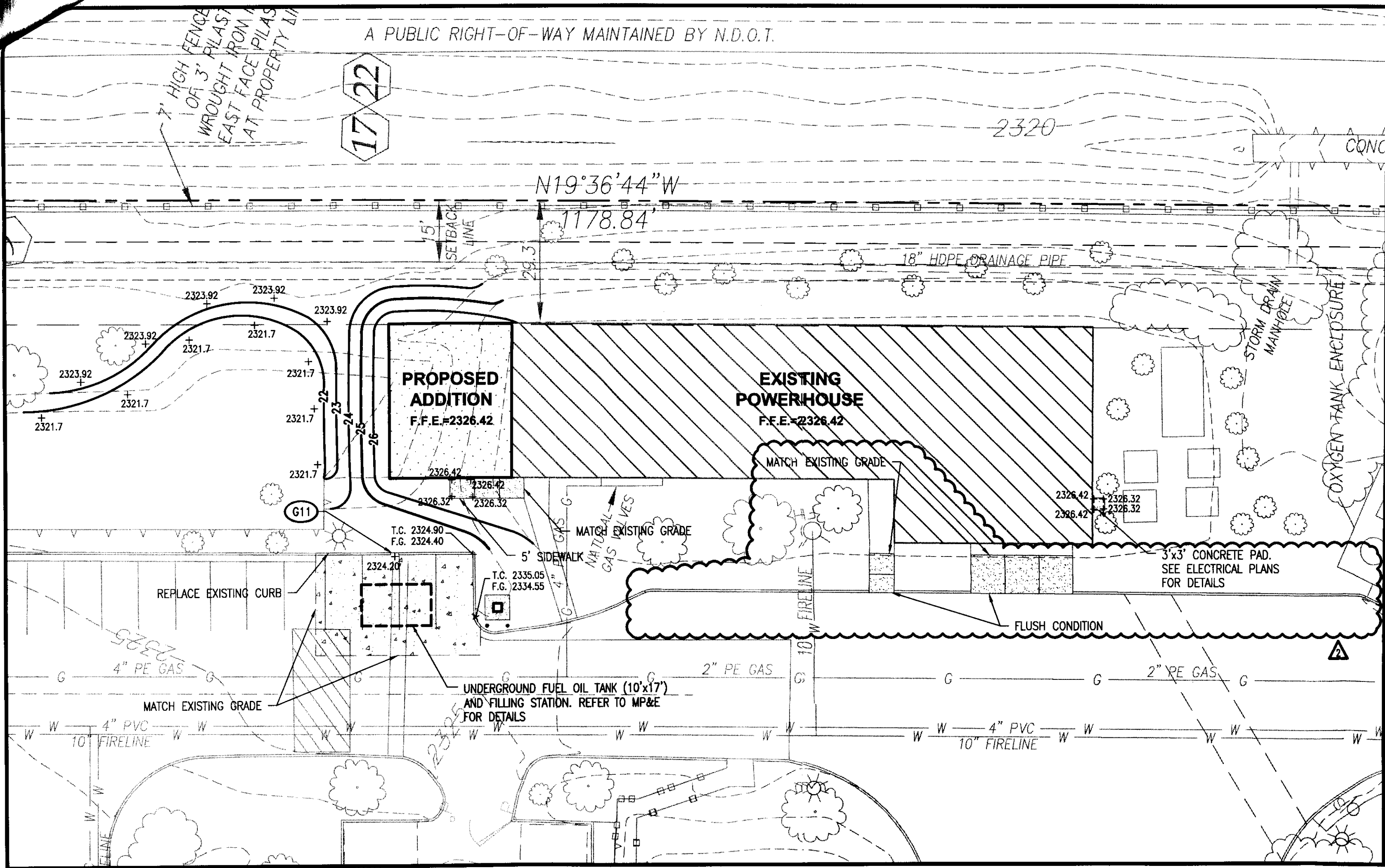
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ASSOCIATES

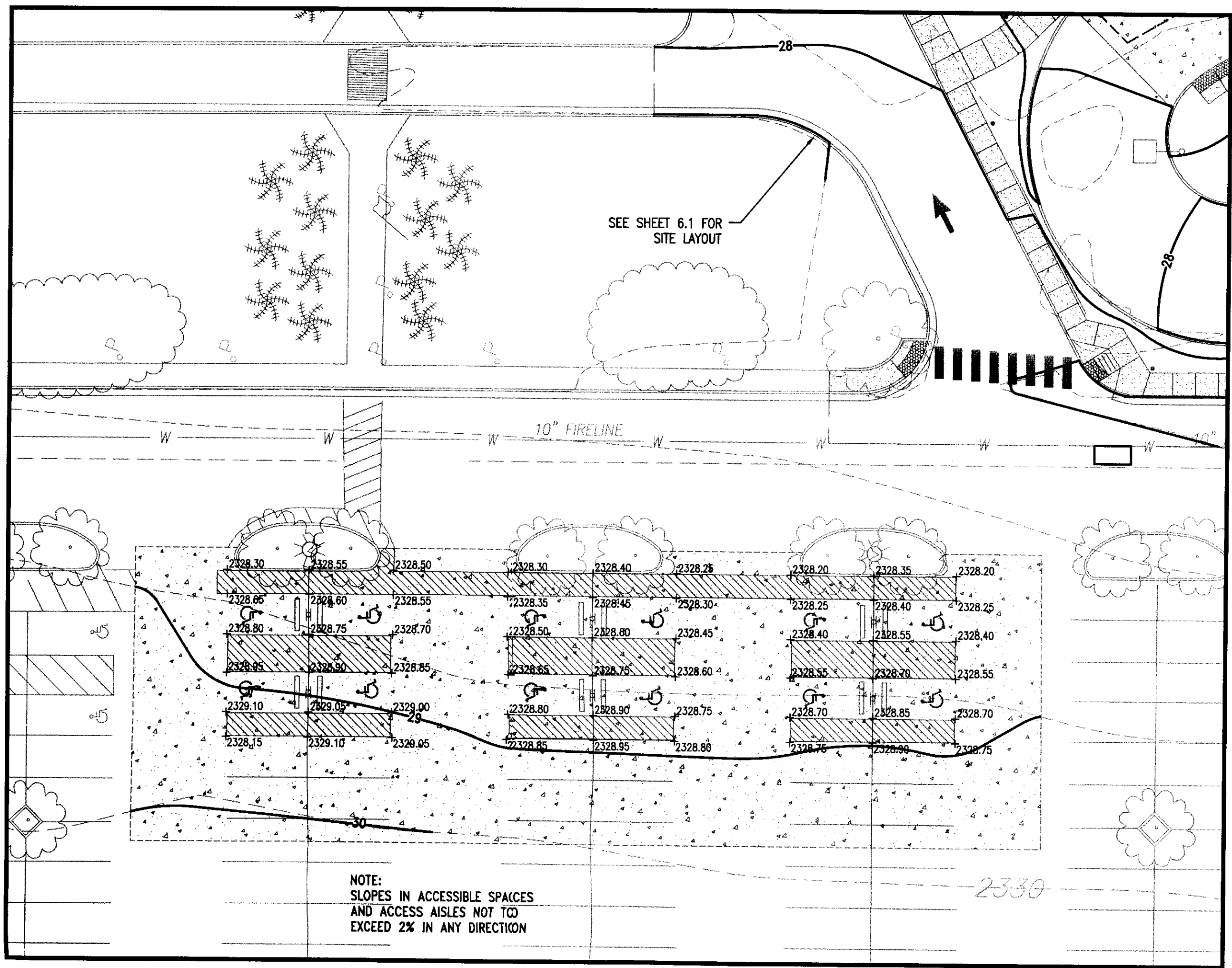


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Sheet Number

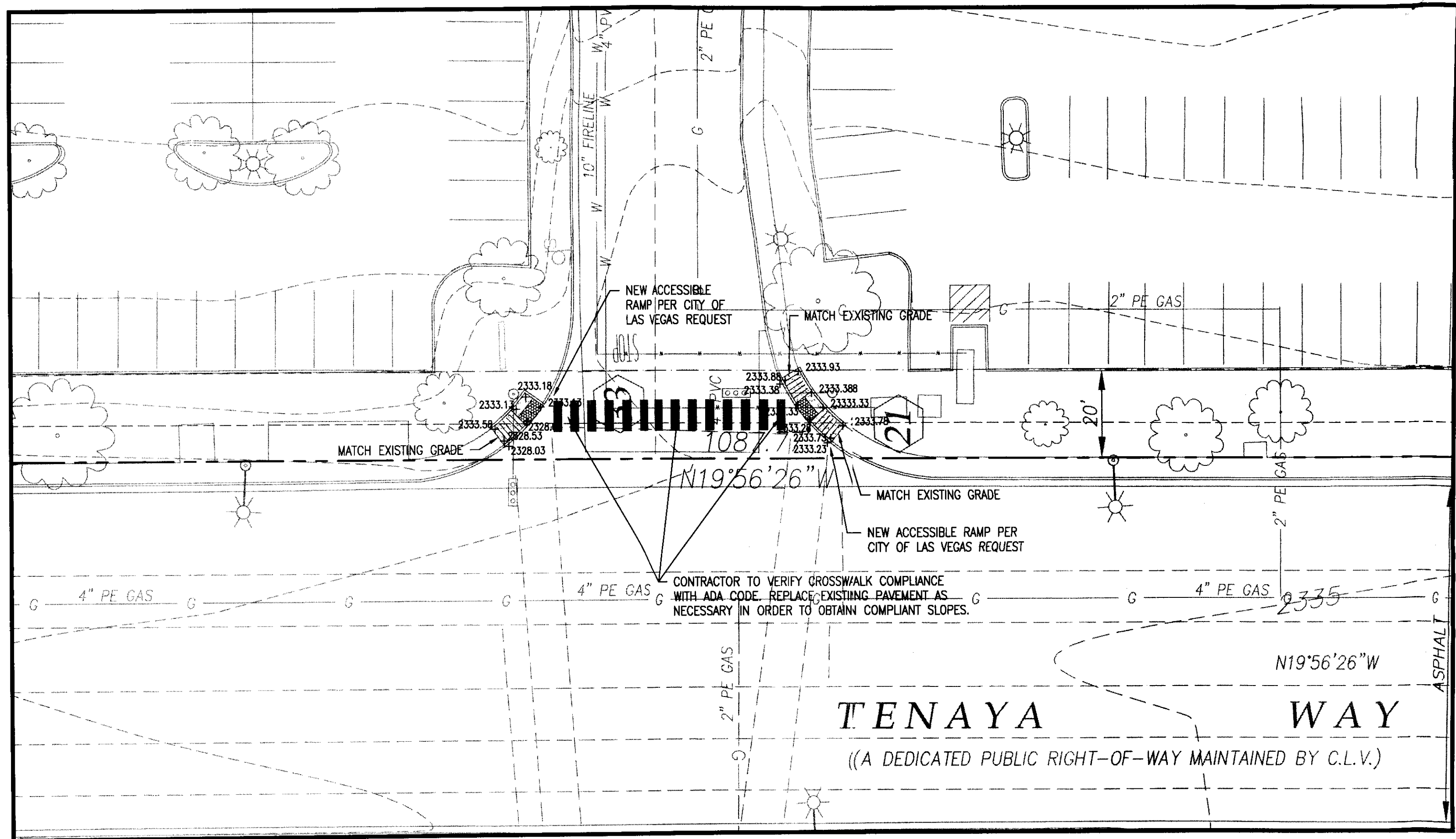
EXPIRATION DATE: 12/31/2013



POWER HOUSE



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SOUTHWEST ENTRANCE

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GRADING & DRAINAGE KEY NOTE		
CODE	DESCRIPTION	DETAIL REF.
G2a	SINGLE CATCH BASIN	3-CB.1
G3	JUNCTION MANHOLE	5-CB.1
G8b	CONCRETE HEADWALL	4-CB.2
G11	2" CURB CUT	7-CB.2
G15a	TRANSITION FROM FLUSH CONDITIONS TO 6" CURB OVER 15 FEET	6-CB.2

SITE GRADING NOTES

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- SEE SHEET C2.1 FOR CITY OF LAS VEGAS GRADING NOTES.
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- ALL PROPOSED CATCH BASINS TO BE JENSEN PRECAST MODEL D12424 (24"x24" GRATE) OR APPROVED EQUAL.
- PROPOSED JUNCTION MANHOLE TO BE JENSEN PRECAST MODEL MAG 520 (48" INNER DIAMETER) OR APPROVED EQUAL.
- PROPOSED HEADWALL TO BE JENSEN PRECAST MODEL MAG 501-1 (30" INSIDE PIPE DIAMETER) OR APPROVED EQUAL.
- SEE SHEET C6.0 FOR BENCHMARK

PROPOSED FEATURES LEGEND:

5221 PROPOSED CONTOURS

SETBACKS AND EASEMENTS

WATER LINE

This grading plan is a part of drainage study #4520-2 which was received on 3/5/12 and App'd on 3/7/12. Page 9 of 12

GRAPHIC SCALE

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

JIM LITTLEJOHN P.E. DATE 3/7/12

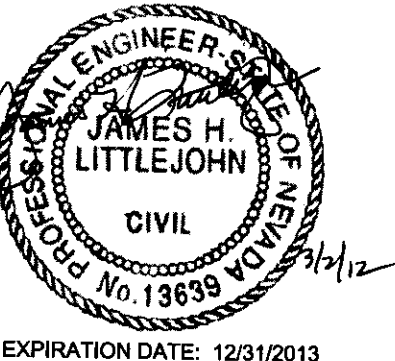
LITTLEJOHN ENGINEERING ASSOCIATES

GRADING PLAN

**MOUNTAIN VIEW HOSPITAL
EMERGENCY & ICU DEPARTMENT ADDITIONS
and INTERIOR RENOVATIONS**

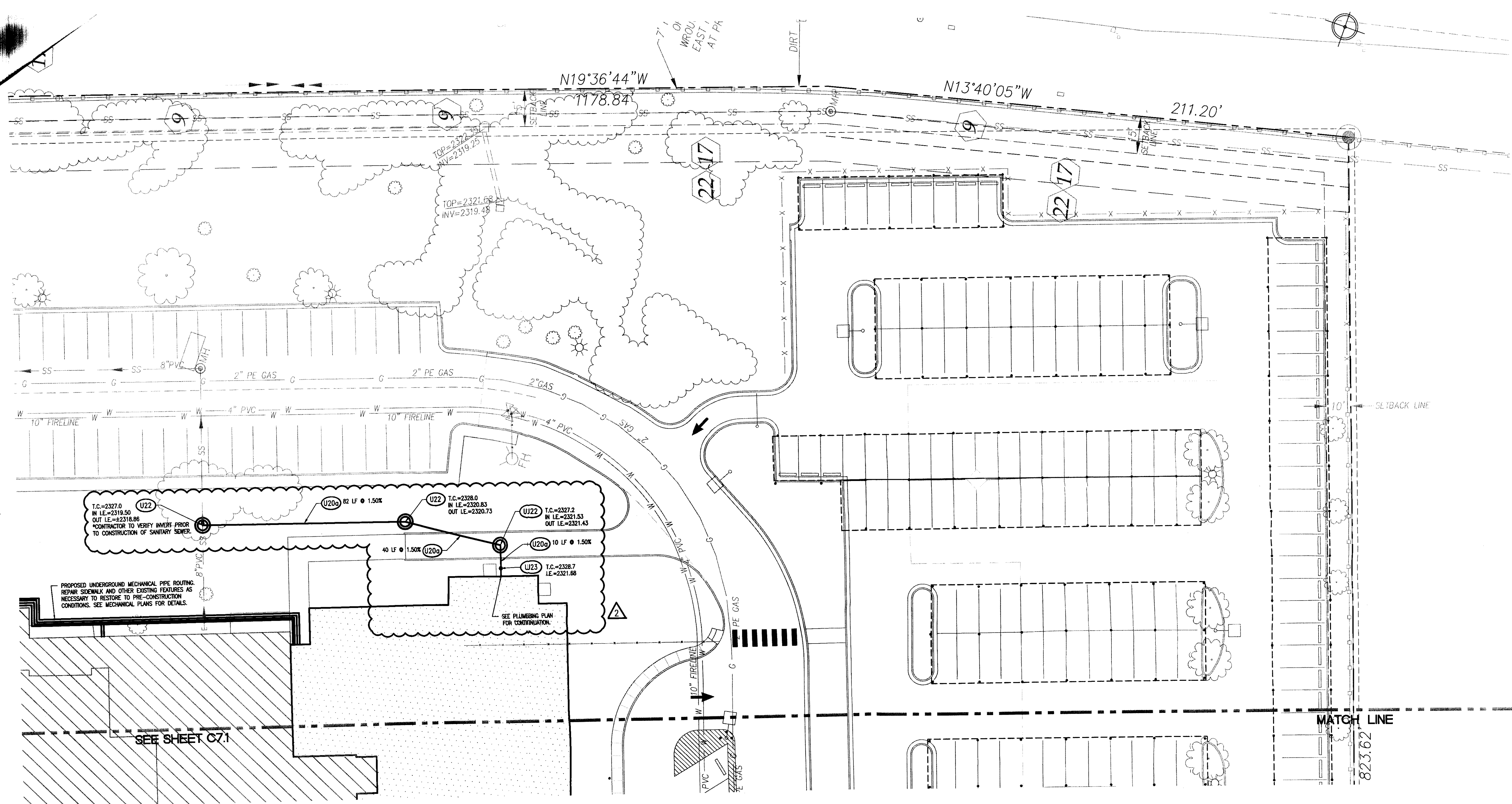
OWNER/DEVELOPER
SUNSHINE MOUNTAINVIEW HOSPITAL
3100 N TENAYA WAY
LAS VEGAS, NV 89128
P: (702) 225-5065

LITTLEJOHN
ENGINEERING
ASSOCIATES



EXPIRATION DATE: 12/31/2013

LEA PROJECT
IDENTIFICATION # 29187
Sheet Number



811 CALL 811 NATIONWIDE

Know what's below.
Call before you dig.

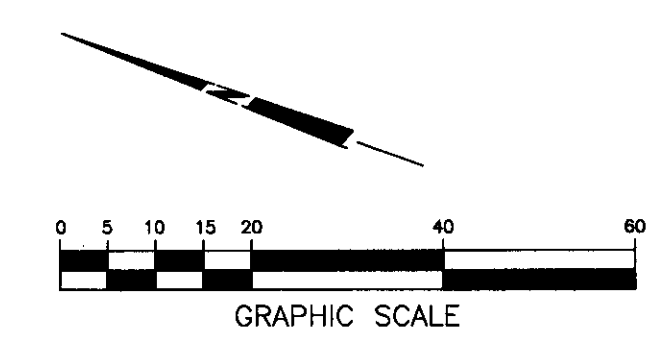
IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT UTILITY COMPANIES TWO (2) BUSINESS DAYS PRIOR TO ANY CONSTRUCTION. THE LOCATION OF UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND POSSIBLY INCOMPLETE. THEREFORE CERTIFICATION TO THE LOCATION OF ALL UNDERGROUND UTILITIES IS WITHHELD.

SITE UTILITY KEY NOTE		
CODE	DESCRIPTION	DETAIL REF.
U2a	FIRE LINE (6")	-
U10	RELOCATED FIRE HYDRANT ASSEMBLY	1-CB.1
U12a	TAPPING SLEEVE AND VALVE (10"x6")	-
U13a	GATE VALVE (6")	-
U20a	SANITARY SEWER SERVICE (8")	-
U22	SANITARY SEWER MANHOLE	4-CB.1
U23	CLEANOUT	6-CB.1

- UTILITY NOTES:
- SEE SHEET C2.0 FOR UTILITY NOTES.
 - SEE SHEET C7.0 FOR BENCHMARK.

- REVISION NOTES:
- EXISTING GAS LINE LAYOUT REVISED.
 - FIRE FLOW CALCULATIONS REMOVED FROM THIS SHEET.

This grading plan is a part of drainage study #4520-2 which was received on 3/5/12 and App'd on 3/7/12. Page 10 of 12



LITTLEJOHN ENGINEERING ASSOCIATES

193 21ST AVENUE SOUTH, NASHVILLE, TENNESSEE 37212
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LEA PROJECT IDENTIFICATION # 29187
Sheet Number

C7.2
SHEET 25 OF 33

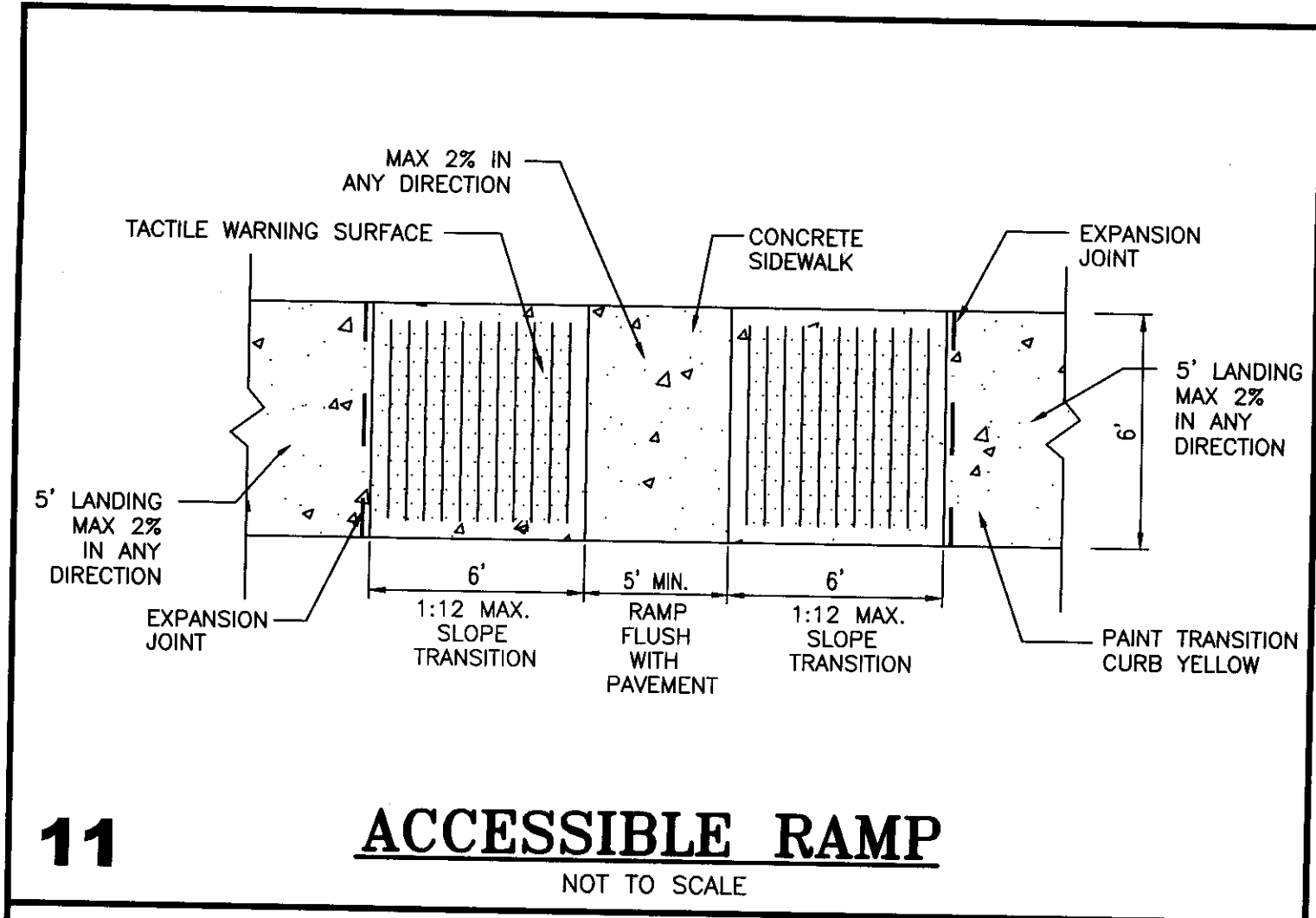
EXPIRATION DATE: 12/31/2013

**MOUNTAIN VIEW HOSPITAL
EMERGENCY & ICU DEPARTMENT ADDITIONS
and INTERIOR RENOVATIONS**

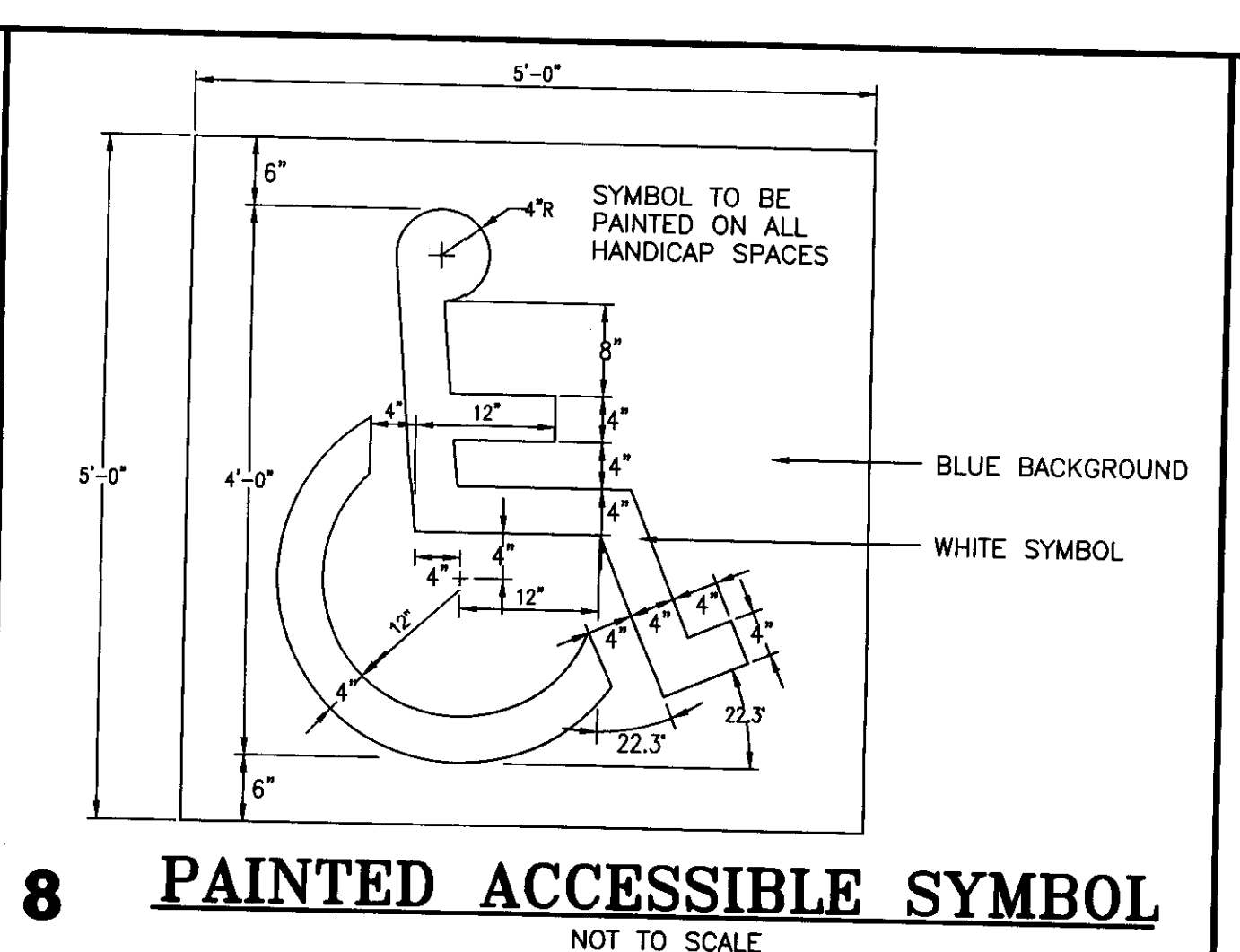
UTILITY PLAN

Job Number: 07131.00
Date: 06-30-2011
Checked By:
Drawn By:
Revisions:
ON-SITE SANITARY SEWER

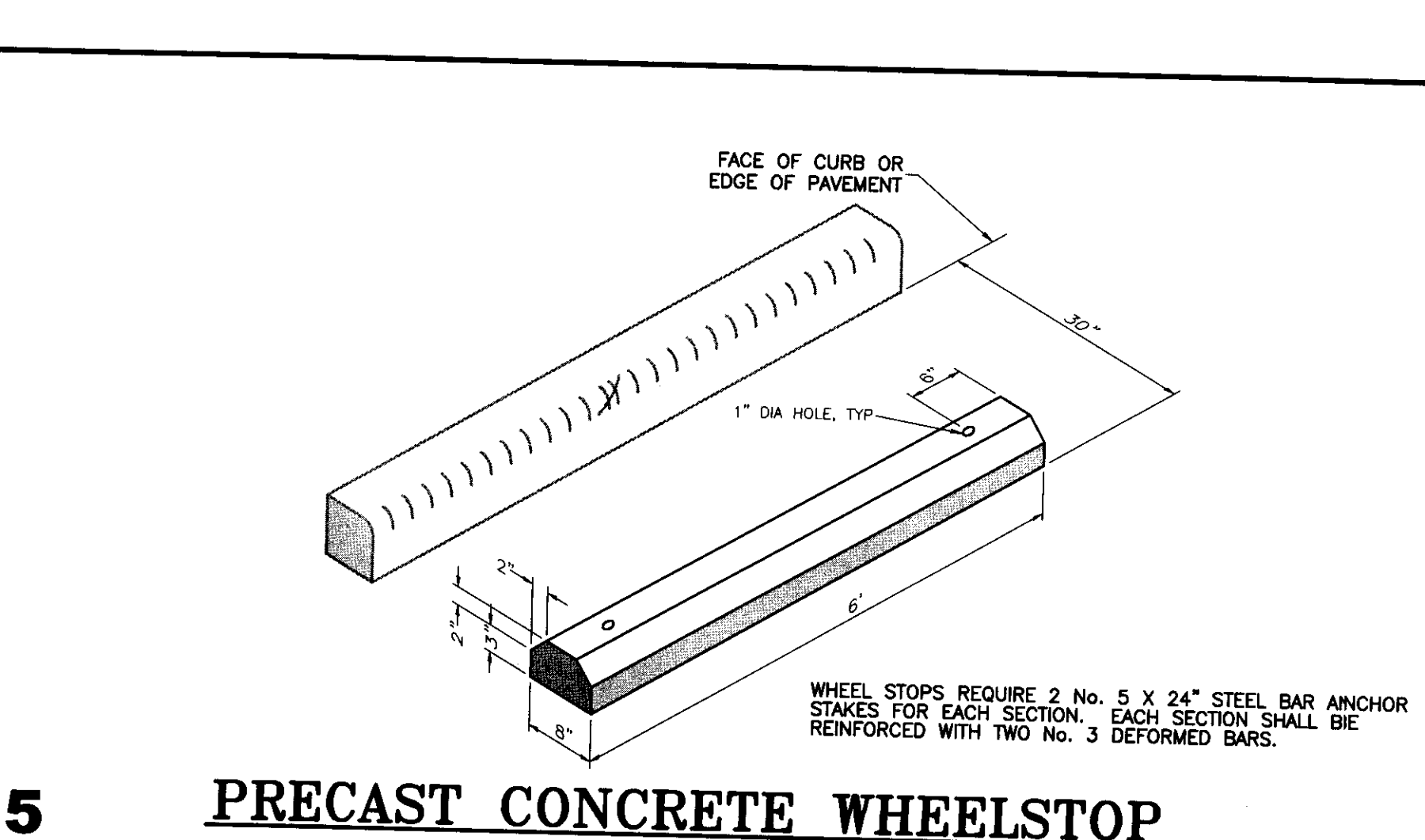
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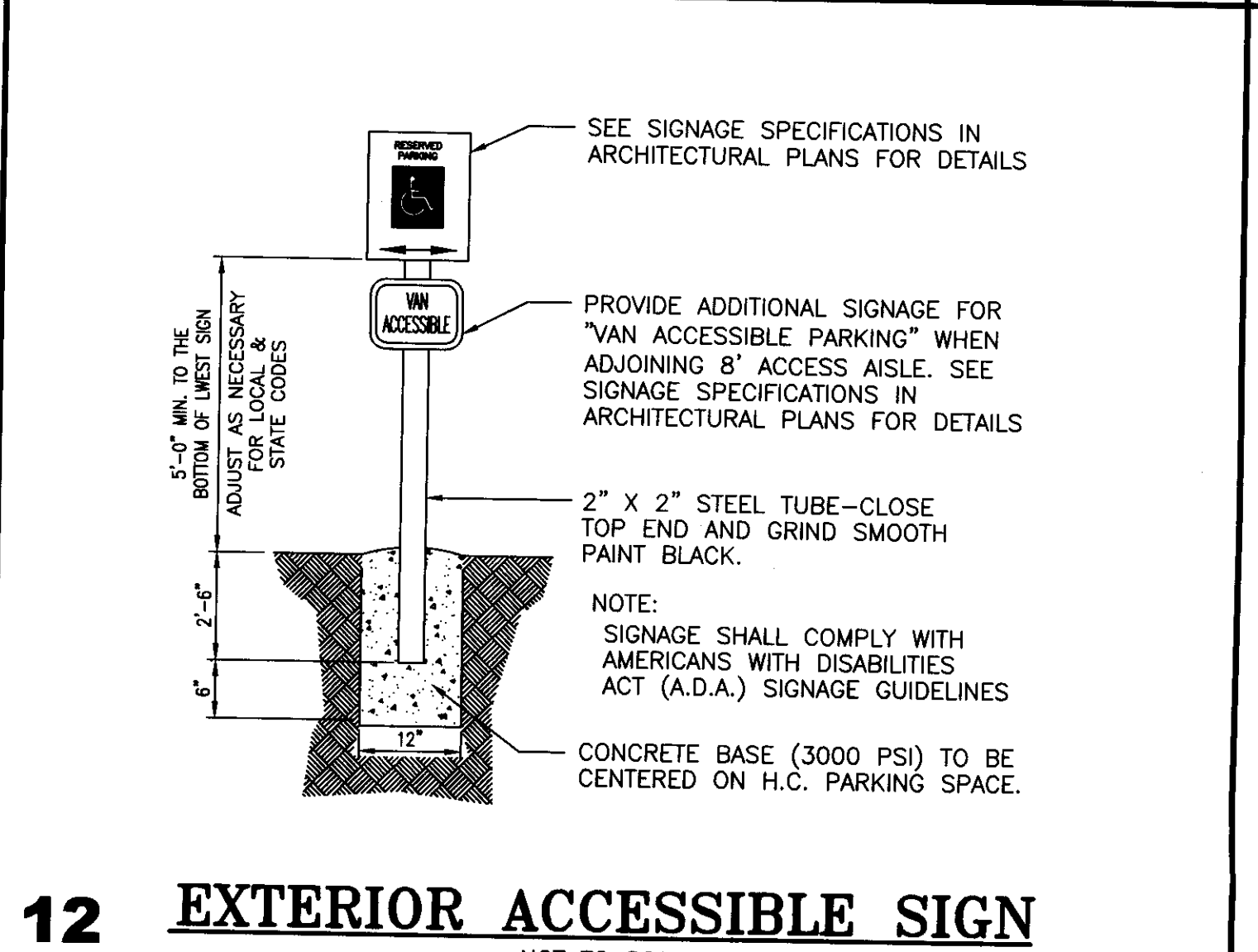
11 ACCESSIBLE RAMP
NOT TO SCALE



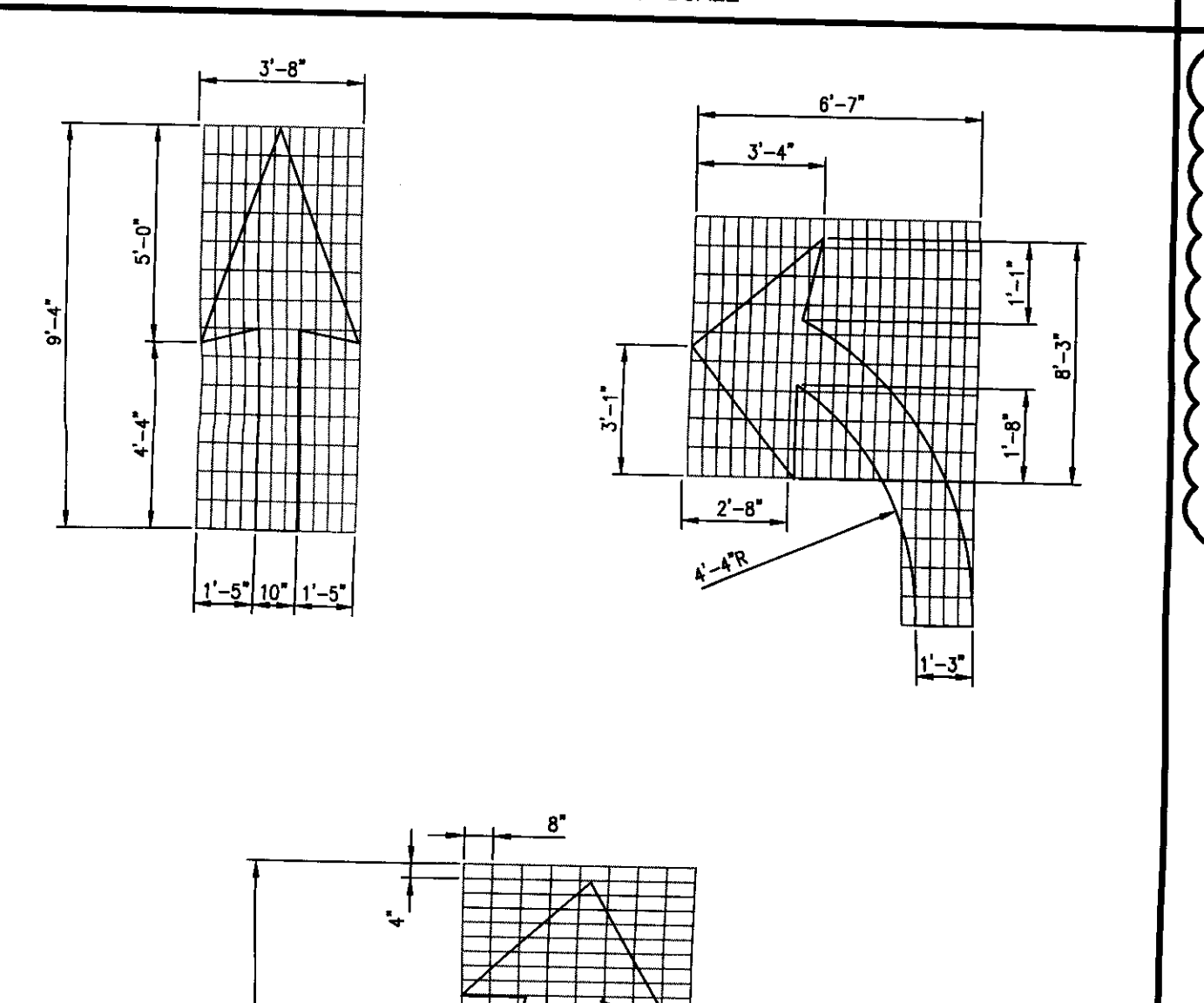
8 PAINTED ACCESSIBLE SYMBOL
NOT TO SCALE



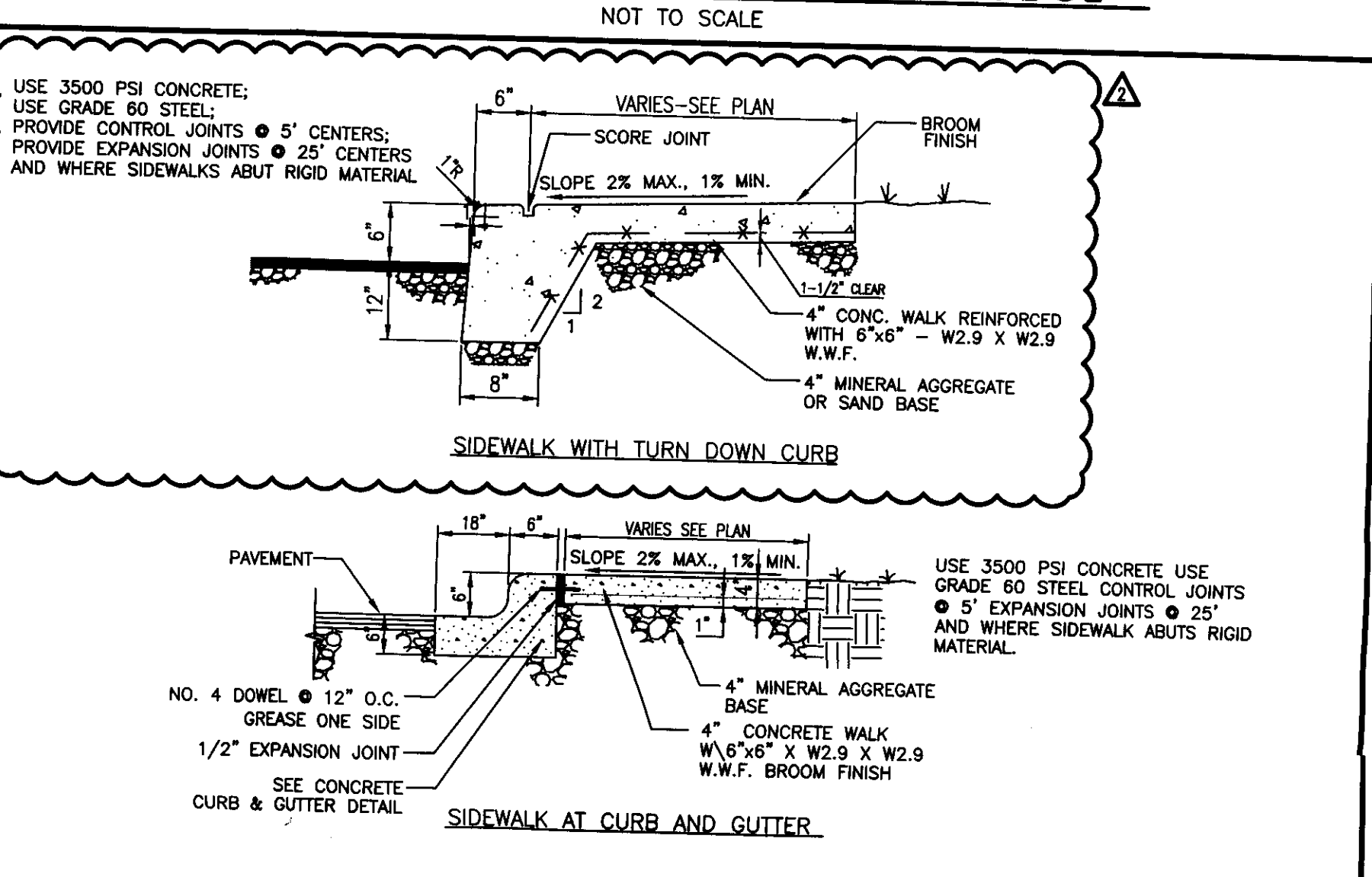
5 PRECAST CONCRETE WHEELSTOP
NOT TO SCALE



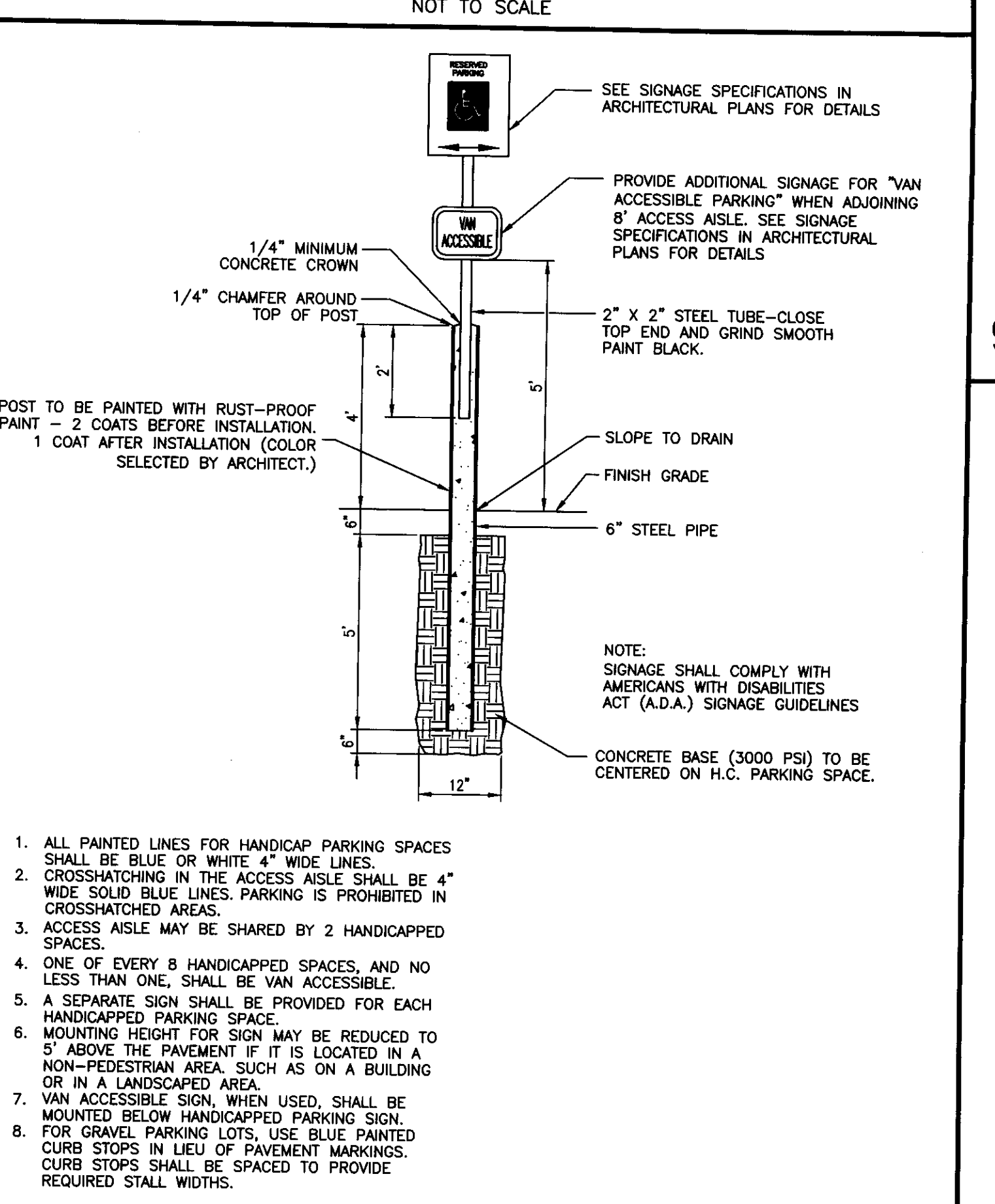
12 EXTERIOR ACCESSIBLE SIGN
NOT TO SCALE



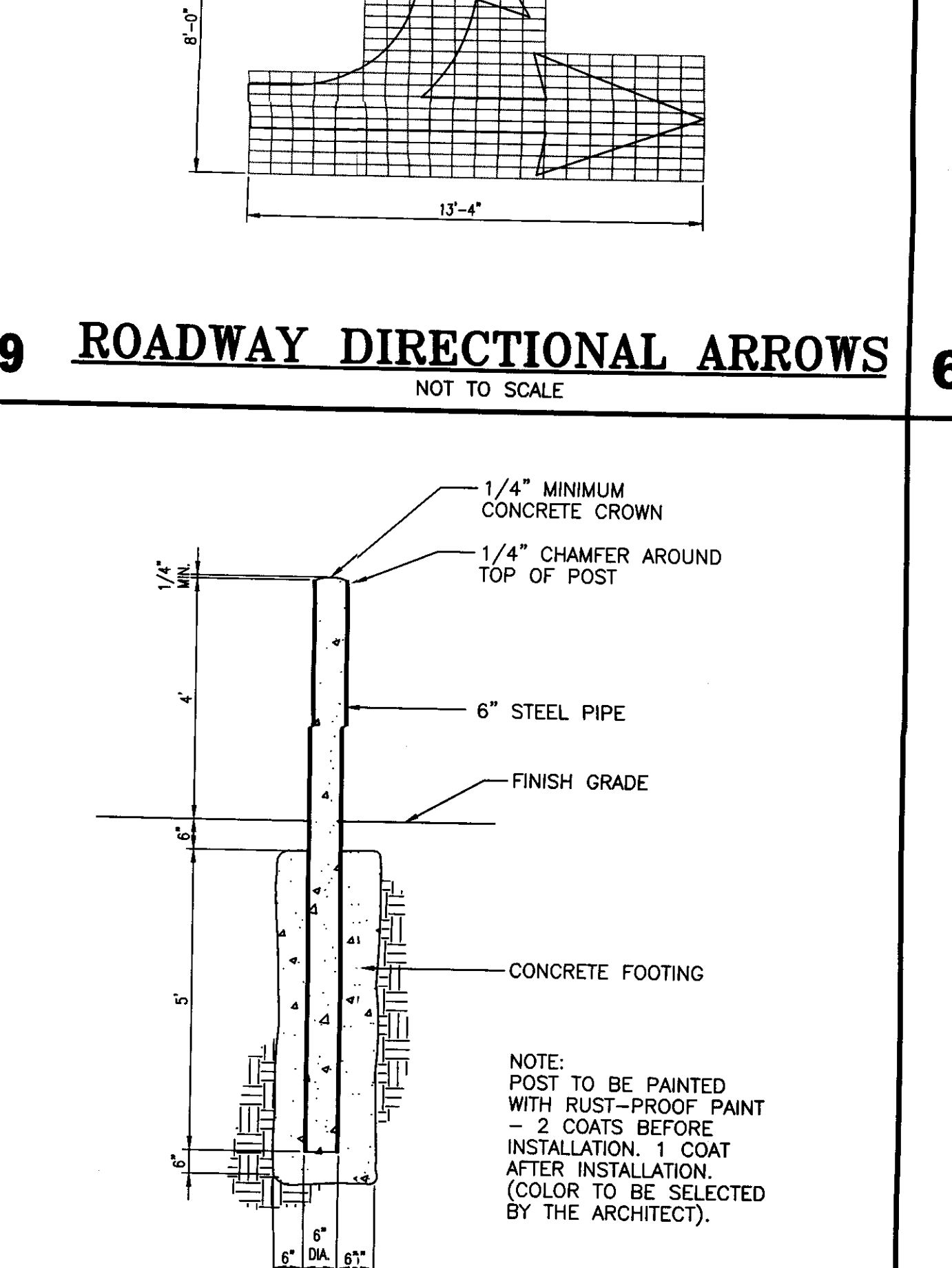
9 ROADWAY DIRECTIONAL ARROWS
NOT TO SCALE



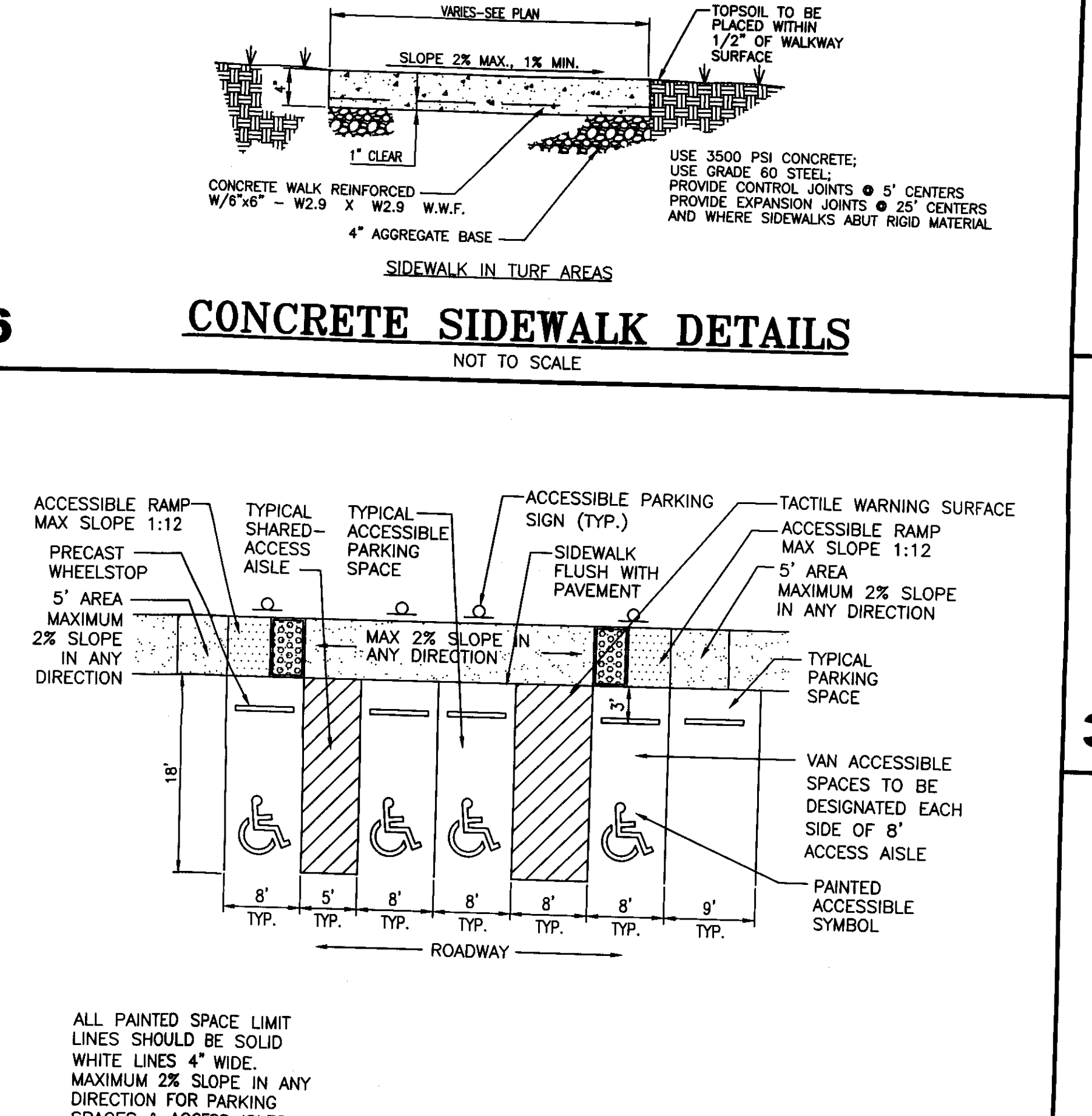
6 CONCRETE SIDEWALK DETAILS
NOT TO SCALE



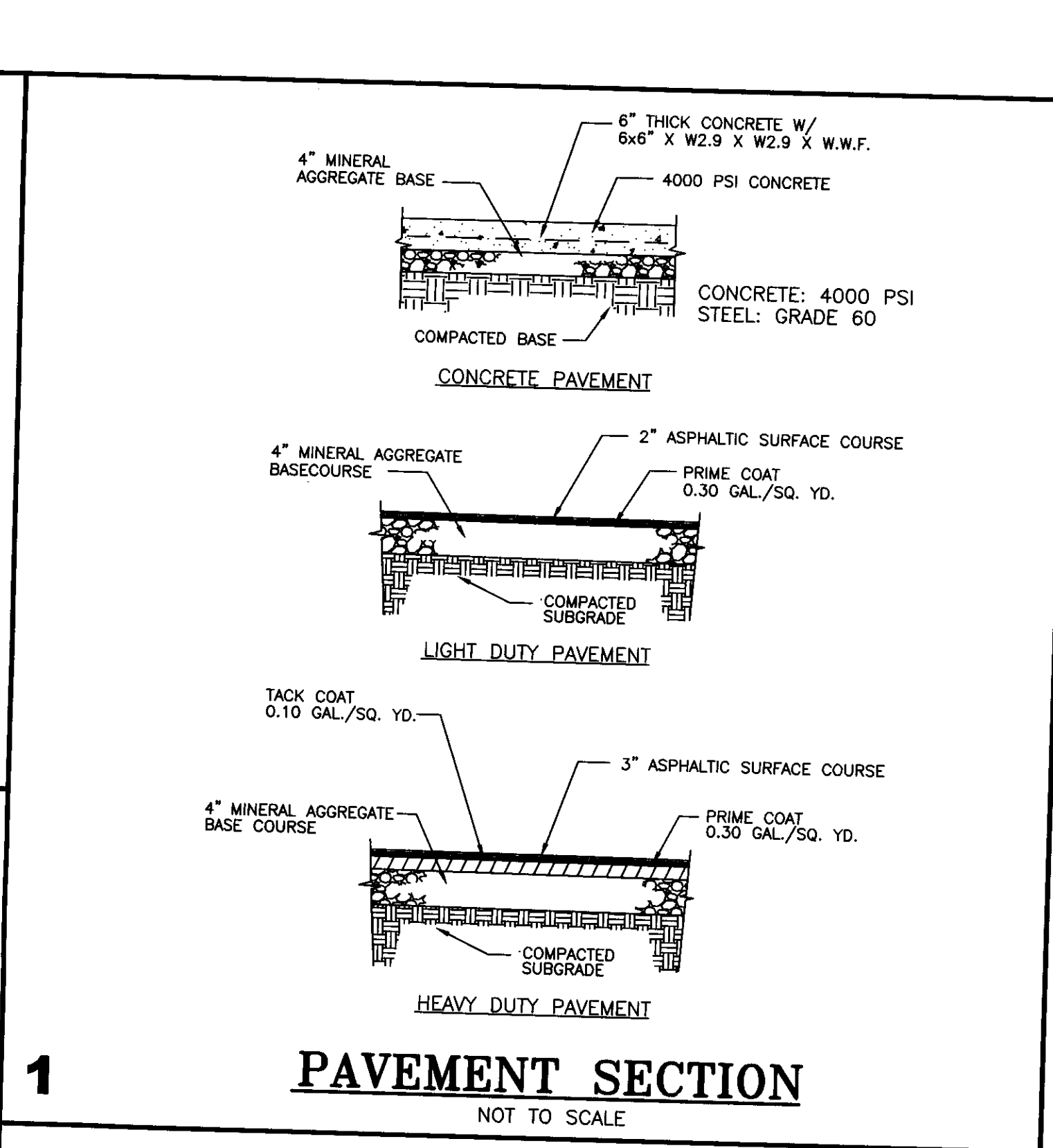
13 EXTERIOR ACCESSIBLE SIGN SET IN BOLLARD
NOT TO SCALE



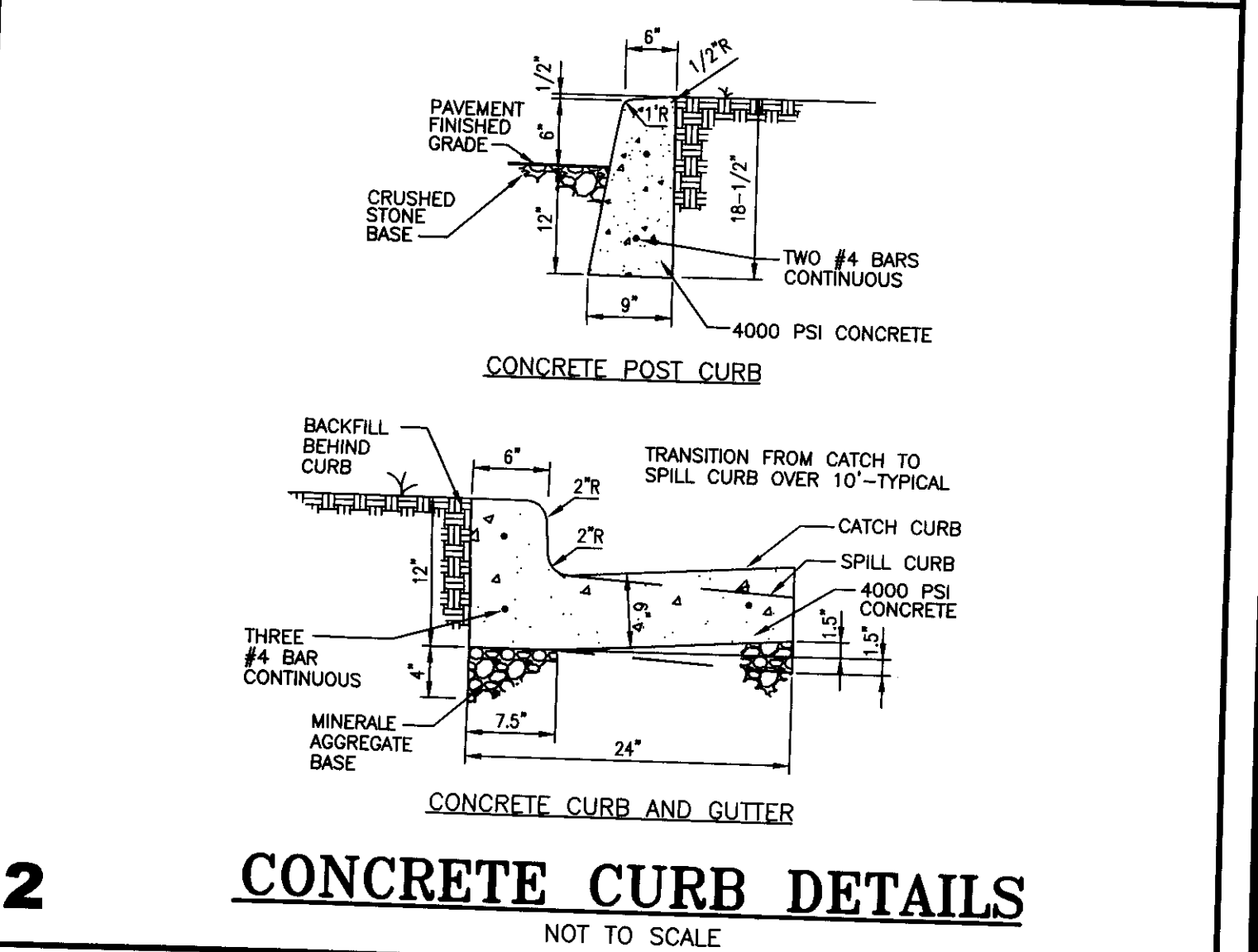
10 STEEL BOLLARD
NOT TO SCALE



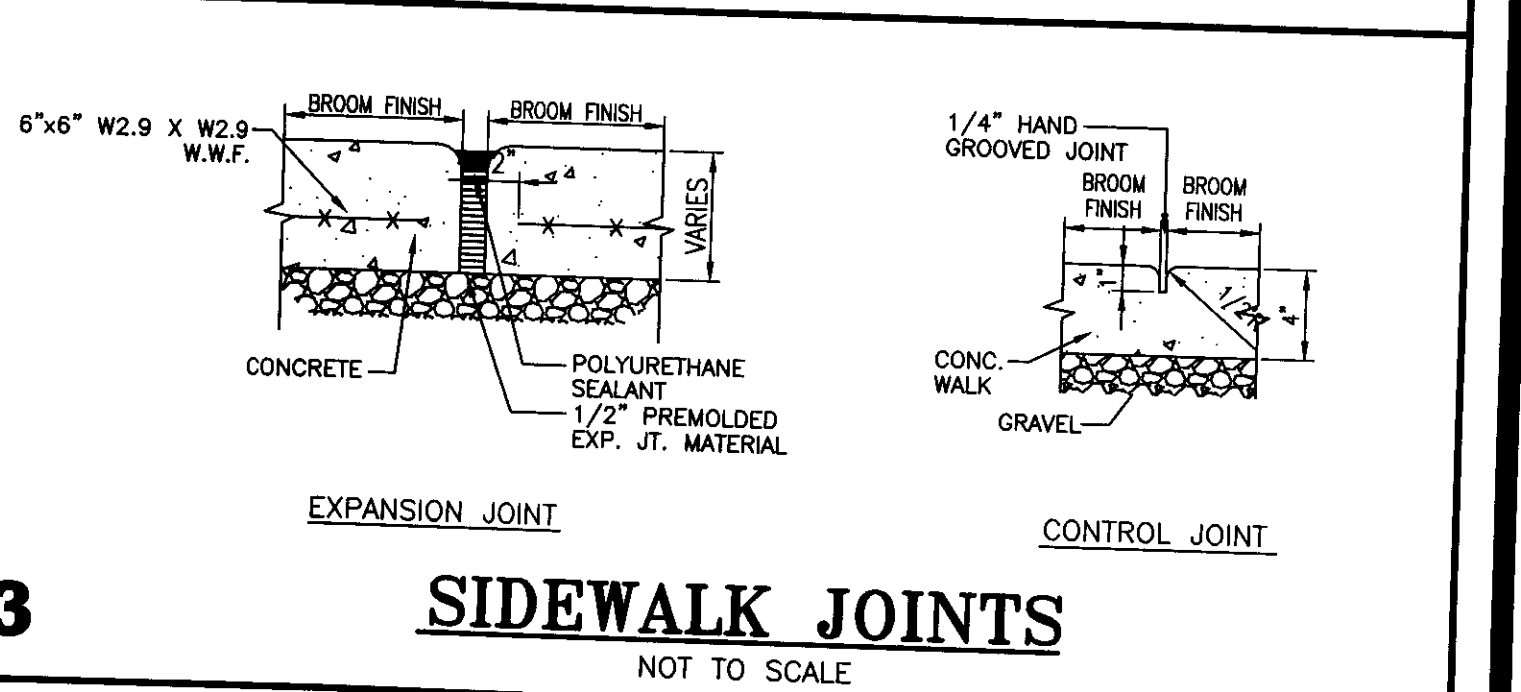
7 ACCESSIBLE PARKING DETAILS
NOT TO SCALE



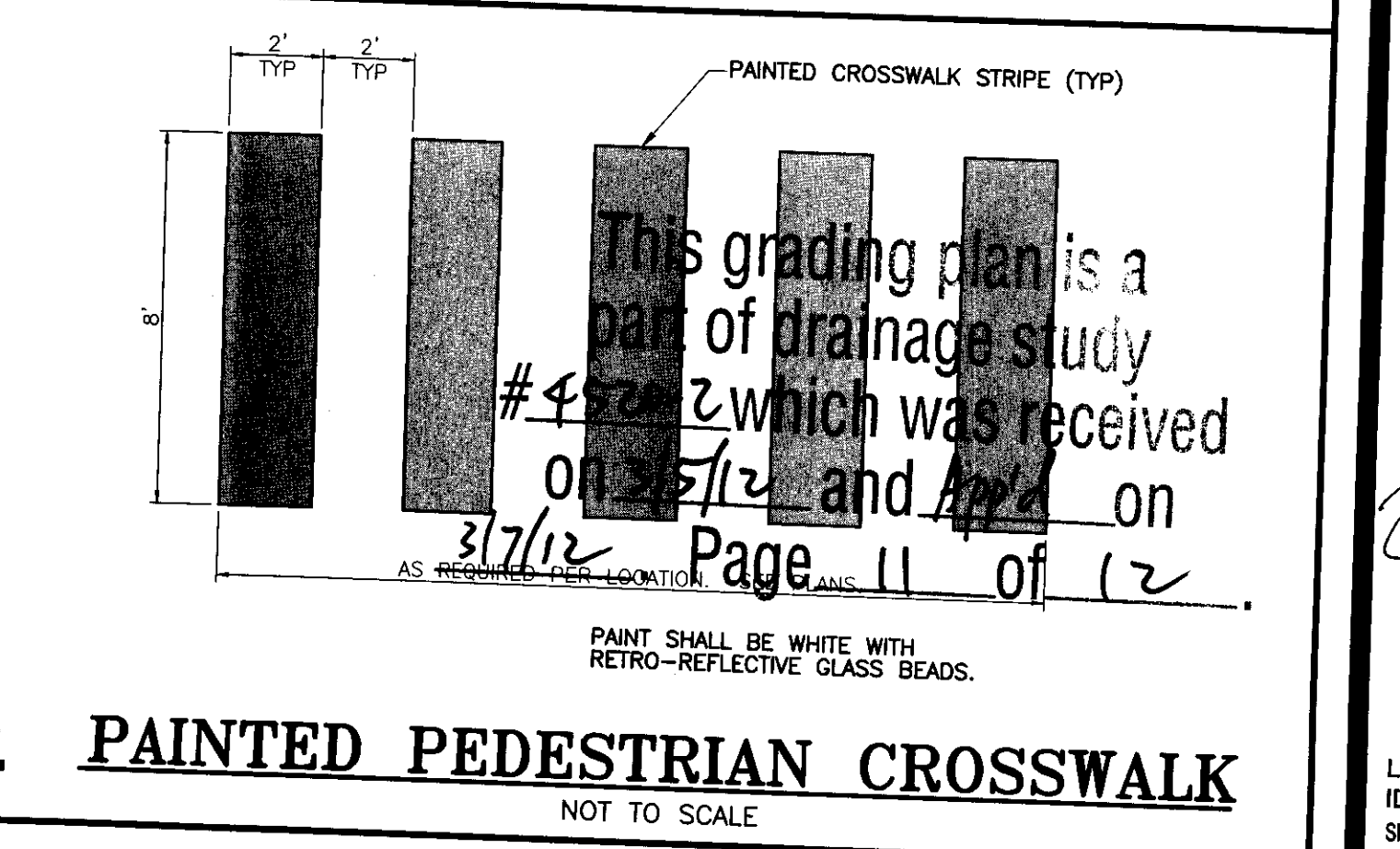
1 PAVEMENT SECTION
NOT TO SCALE



2 CONCRETE CURB DETAILS
NOT TO SCALE



3 SIDEWALK JOINTS
NOT TO SCALE



4 PAINTED PEDESTRIAN CROSSWALK
NOT TO SCALE

**MOUNTAIN VIEW HOSPITAL
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1935 31ST AVENUE, SUITE 100, NASHVILLE, TENNESSEE 37212
T: 615.385.4144 F: 615.385.4625 WWW.LJANCO.COM

DATE: 06-30-2011
DRAWN BY: CHADLEY BY

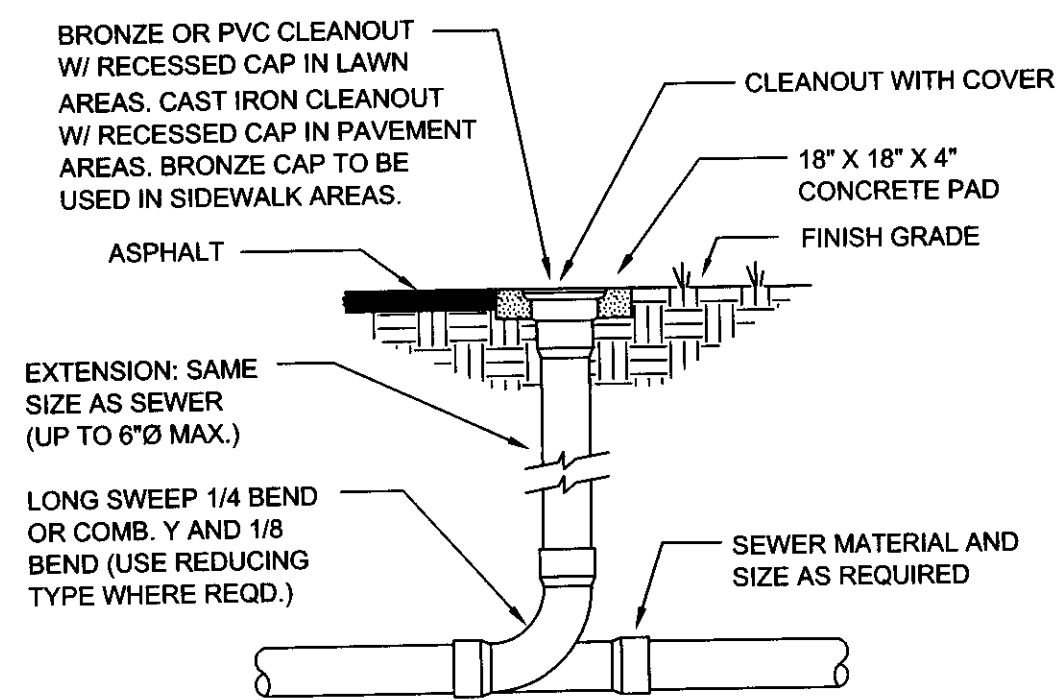
REVISIONS: DETAIL 6

EXPIRATION DATE: 12/31/2013

LEA PROJECT
IDENTIFICATION # 29187
Sheet Number

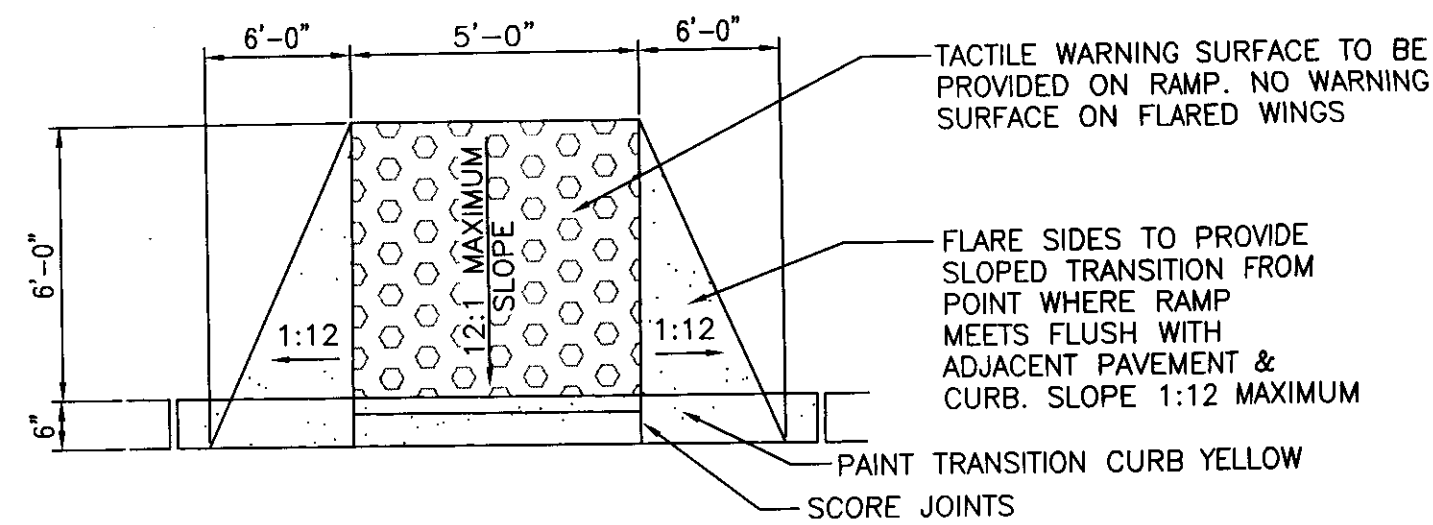
C8.0

6



CLEANOUT
NOT TO SCALE

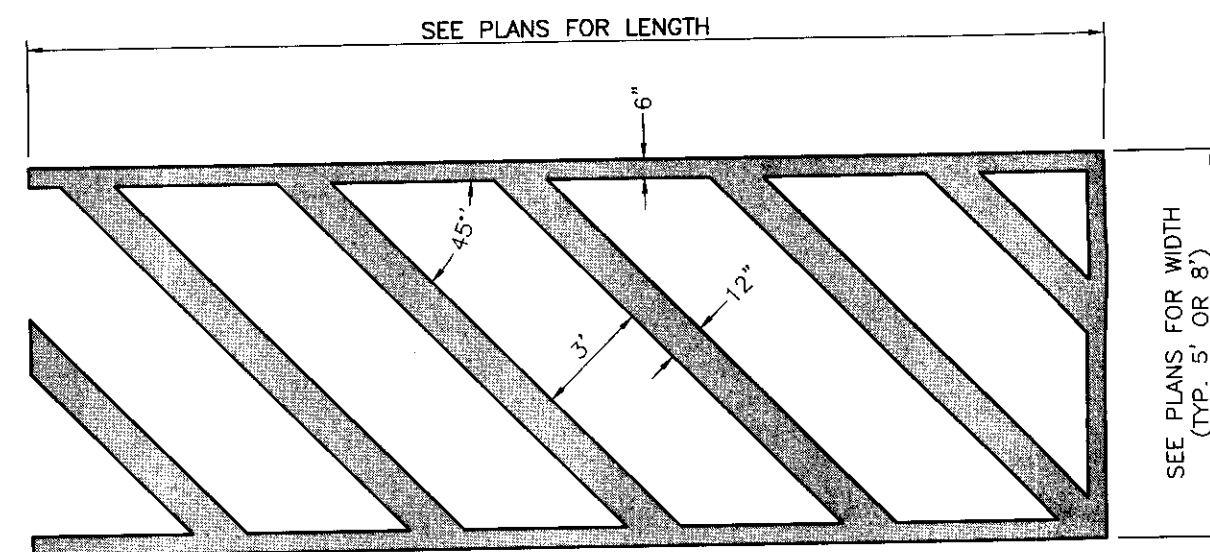
PROVIDE 17'-0" BREAKS IN CURB WITH 1/2" EXPANSION JOINTS. PLACE CONCRETE RAMP SEPARATE FROM CURBS. EXTEND CURB PORTION OF RAMP BELOW FINISH GRADE TO MATCH ADJACENT CURB.



CONCRETE RAMP TO BE TO 4" THICK W/6"x6" X W2.9 X 2.9 W.W.F. AS IN ADJACENT WALK

ACCESSIBLE CURB CUT RAMP
NOT TO SCALE

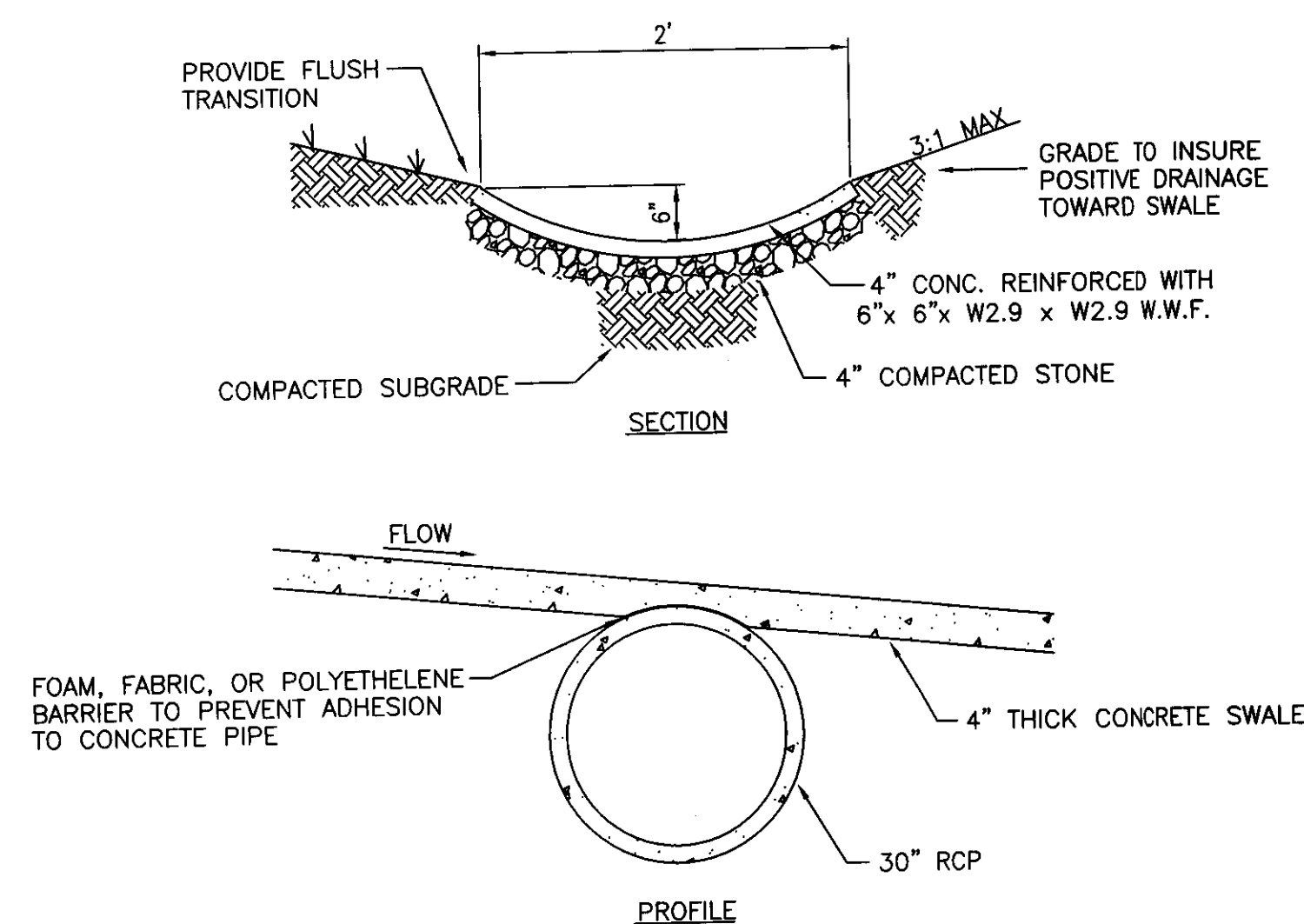
7



NOTE:
PAINT SHALL BE WHITE WITH RETRO-REFLECTIVE GLASS BEADS

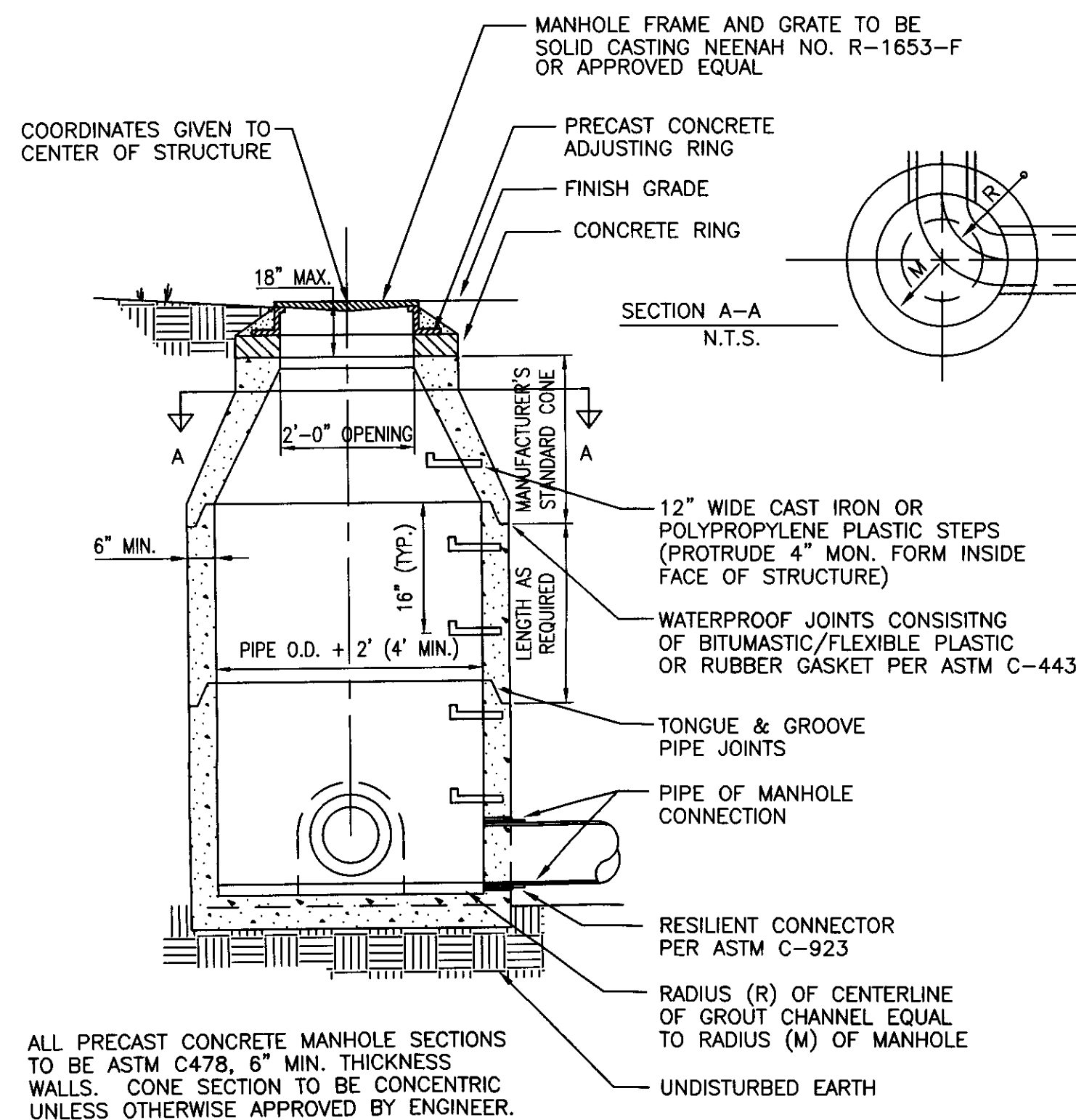
PAVEMENT STRIPING
NOT TO SCALE

8



CONCRETE SWALE
NOT TO SCALE

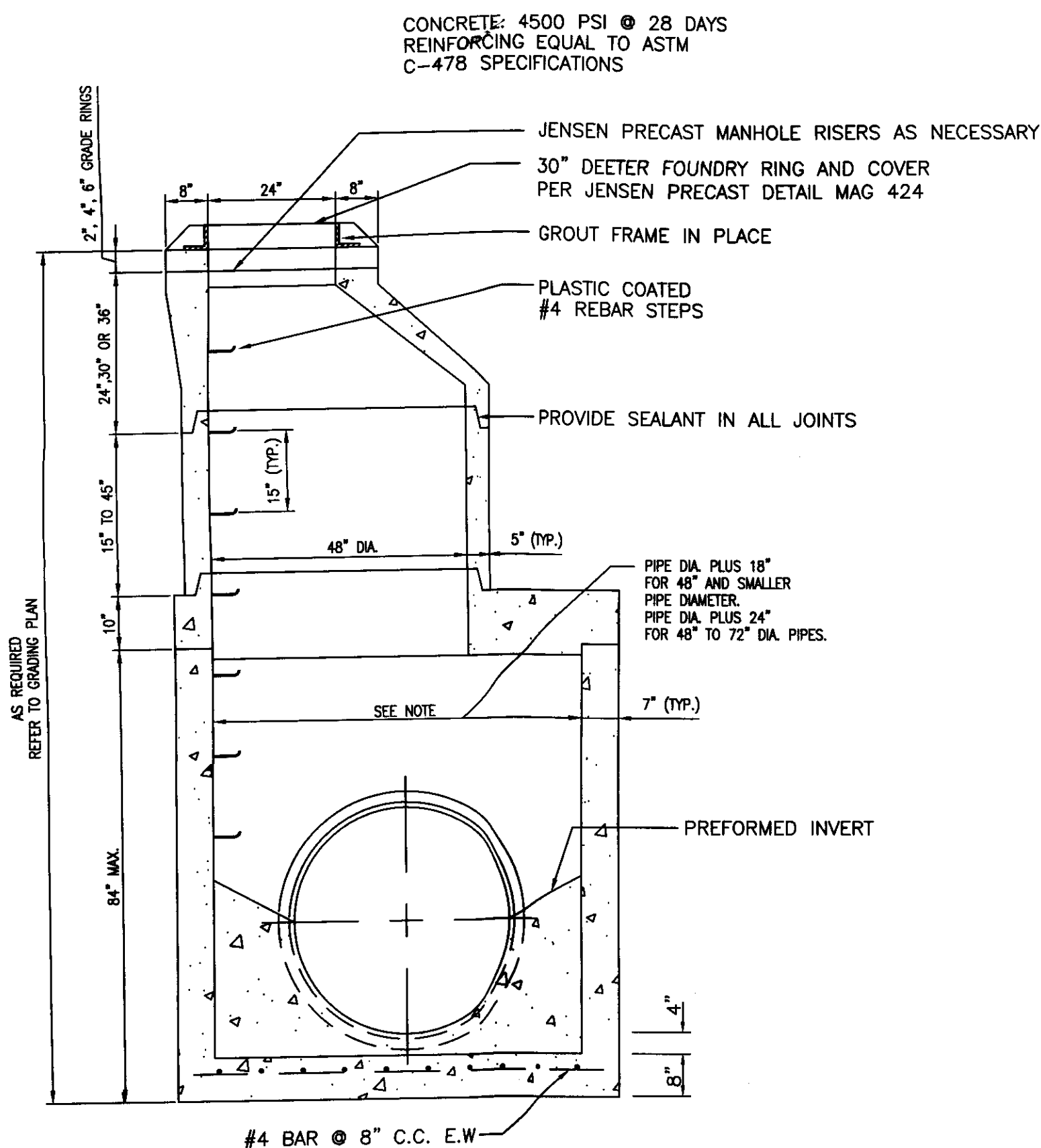
9



ALL PRECAST CONCRETE MANHOLE SECTIONS TO BE ASTM C478, 6" MIN. THICKNESS WALLS. CONE SECTION TO BE CONCENTRIC UNLESS OTHERWISE APPROVED BY ENGINEER.

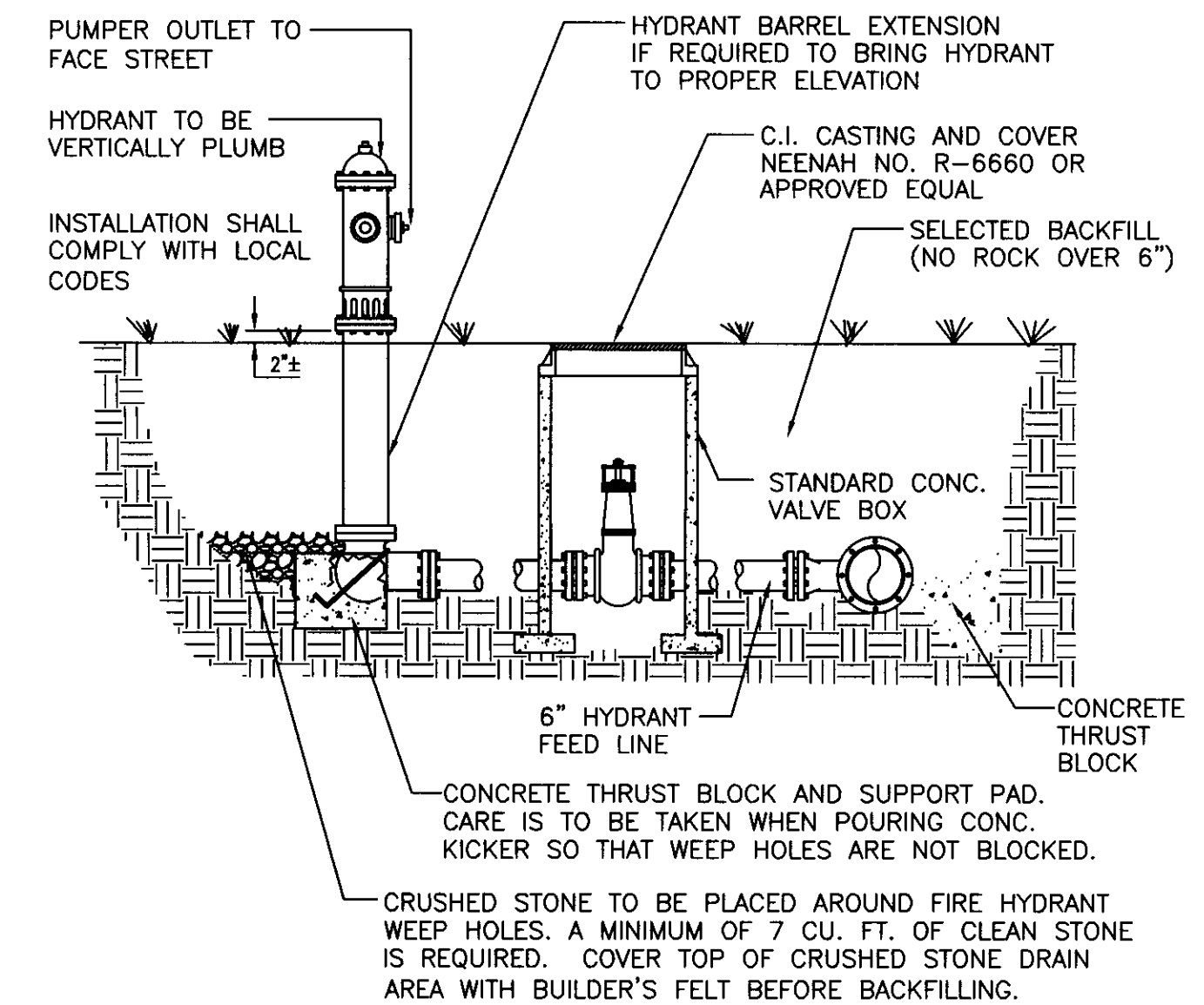
MAHNOLE
NOT TO SCALE

4



STORM JUNCTION MANHOLE
NOT TO SCALE

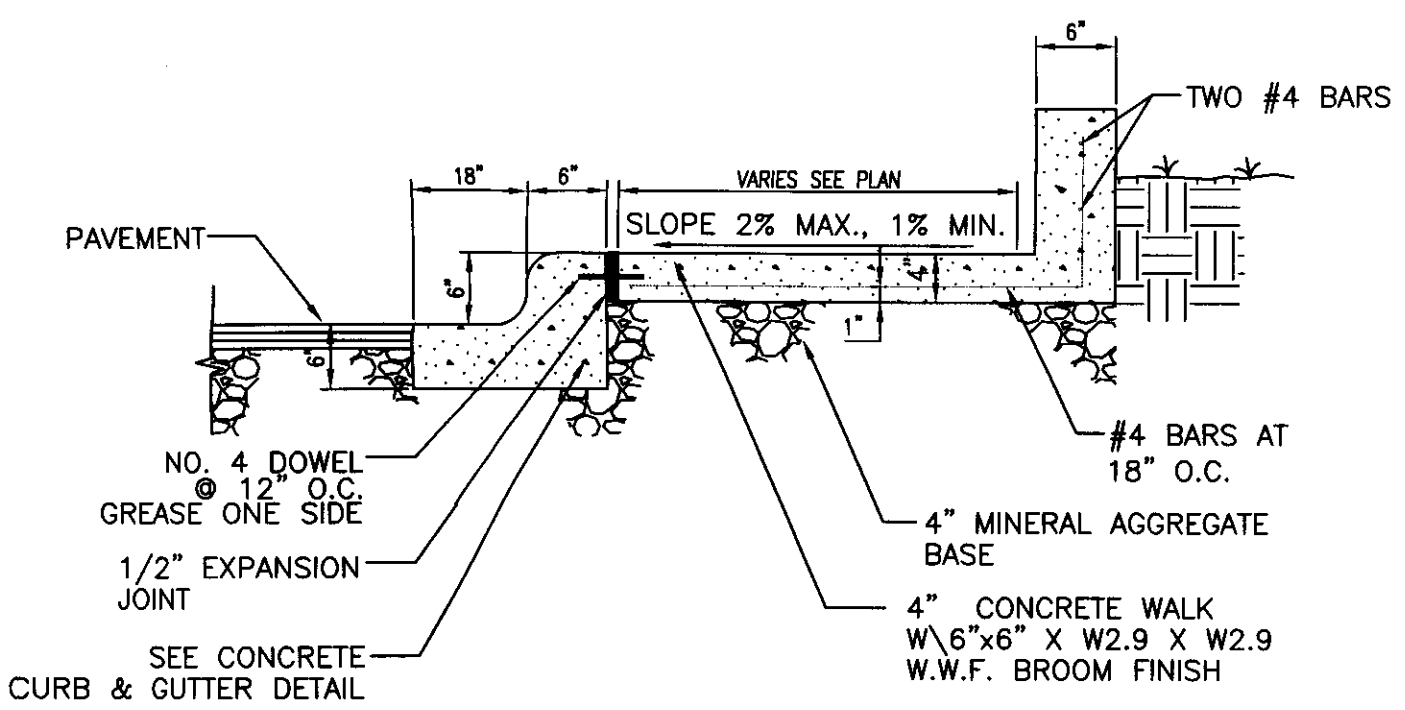
5



FIRE HYDRANT ASSEMBLY
NOT TO SCALE

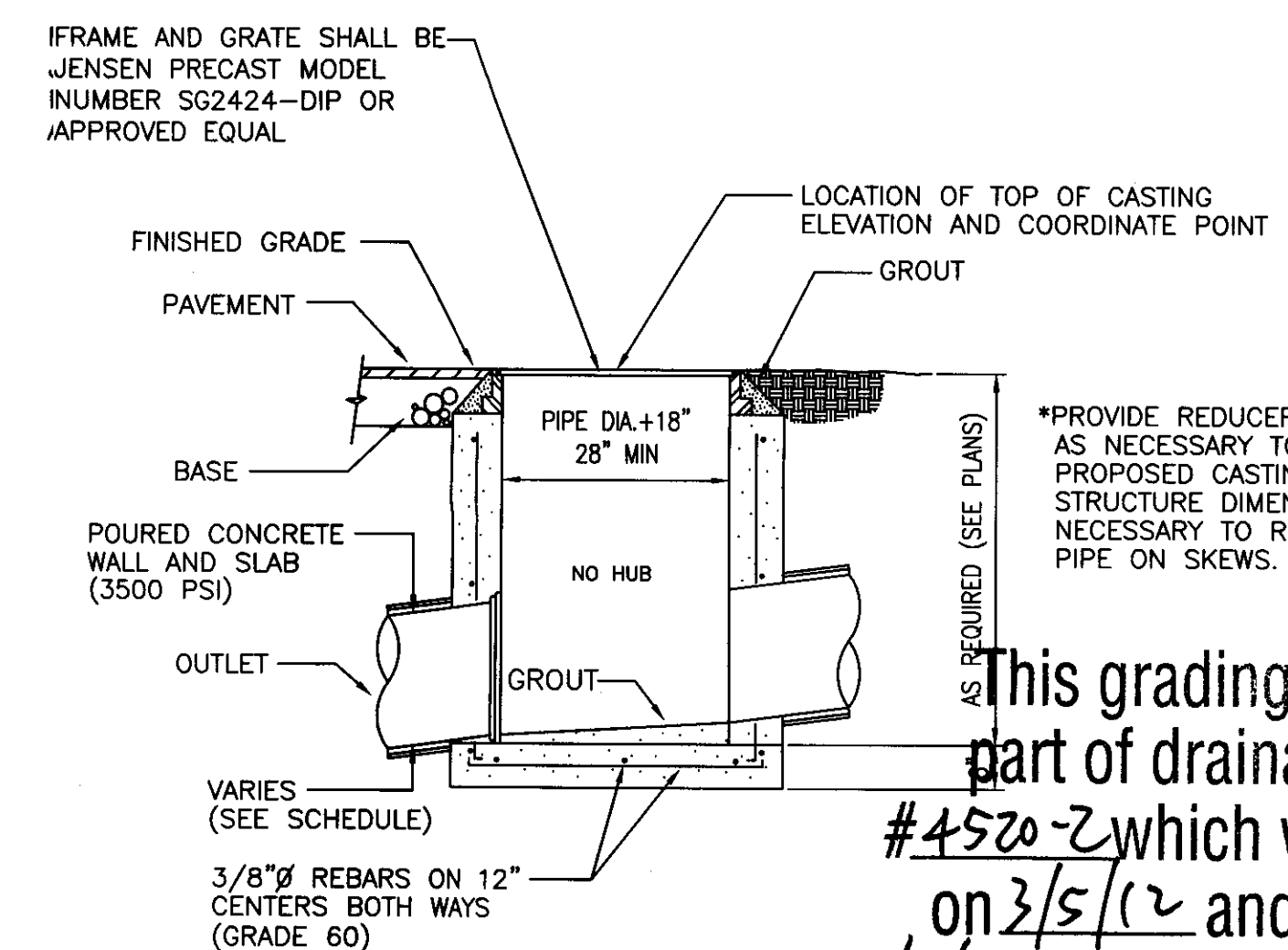
1

USE 3500 PSI CONCRETE
USE GRADE 60 STEEL
CONTROL JOINTS @ 5'
EXPANSION JOINTS @ 25'
AND WHERE SIDEWALK ABUTS RIGID MATERIAL.



SIDEWALK AT TURNAROUND
NOT TO SCALE

2



CATCH BASIN
NOT TO SCALE

3

DETAILS

Date 06-30-2011
Job Number 07131.00
Drawn By
Reviewed By
Revisions
DETAIL 9

**MOUNTAIN VIEW HOSPITAL
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LAS VEGAS, NEVADA
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**LITTLEJOHN
ENGINEERING
ASSOCIATES**

PROFESSIONAL ENGINEER
JAMES H. LITTLEJOHN
CIVIL
No. 13659
EXPIRATION DATE: 12/31/2013

LEA PROJECT
IDENTIFICATION # 29187
Sheet Number

C8.1
SHEET 28 OF 33

Project: 2008\29187.dwg Construction\29187-C8-0-DET.dwg-C8.1-DET Mar 02, 2012 - 11:26am broderick

This grading plan is a part of drainage study #4520-2 which was received on 3/5/12 and App'd on 3/7/12. Page 12 of 12