MATCHLINE SEE SHEET C4.01

MATCHLINE SEE SHEET C4.03

N.E. BUILDING
FF=59.13

EXISTING BUILDING
(FF=59.13)

EXISTING OUTPATIENT CLINIC
(FF= 56.89)

SHADOW LANE (PUBLIC)

CHARLESTON BLVD.

GOLDRING AVENUE

TONOPAH DRIVE

NOTE:
N.D.O.T. ENCROACHMENT PERMIT REQUIRED PRIOR TO ANY CONSTRUCTION WITHIN N.D.O.T. RIGHT-OF-WAY.

REVISED PER CLV INTERSECTION IMPROVEMENT PLANS CLV#107-V254

INTERSECTION CONSTR. PER CITY OF L.V. INTERSECTION IMPROVEMENT PLANS CLV#107-V3659

CITY OF LAS VEGAS PLANNED STORM DRAIN (UNDER CONSTRUCTION) FREEWAY CHANNEL PROJECT ENG. "PARSONS BRENCKERHOFF" SHADOW LANE & CHARLESTON BLVD TO INTERSTATE 15. CLV# 327-V254

REVISED PER CLV FREEWAY CHANNEL PROJECT CLV#327-V254

BENCHMARK
TOP N/E CURB RETURN CHARLESTON/ SHADOW LANES

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call before you Dig— 1-800-227-2600 (NEVADA ONE CALL)

AVOID OVERHEAD POWER LINE CONTACT Call before you OVERHEAD 1-702-593-6111 (CLARK COUNTY ENVIRONMENT AND SAFETY SERVICES DEPARTMENT)

I HEREBY CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS.
DATE 6-2-09

## GRADING CONSTRUCTION NOTES:

1. SAWCUT AND MATCH EXISTING GRADE
2. 2' WIDE CHANNEL CURB. SEE DETAIL 6/C7.01
3. SIDEWALK UNDERDRAIN PER UNIFORM STANDARD DWG. NO. 236.
4. OFF-SITE SIDEWALK UNDERDRAIN PER NDOT STANDARD DWG. NO. S-13.
5. ON-SITE CURB RAMP PER DETAIL 7/C7.01
6. SWALE PER DETAIL 1/C7.01
7. ON-SITE SIDEWALK UNDERDRAIN PER 8/C7.01
8. EXISTING UTILITY TO REMAIN, ADJUST TO PROPOSED GRADE.
9. EXISTING UTILITY AND SIGN TO REMAIN, PROTECT IN PLACE.
10. STANDARD DRIVEWAY PER UNIFORM STD. NO. 222A & 228. INSTALL CROSS GUTTER PER UNIFORM STD. NO. 228.
11. SIDEWALK RAMPS PER UNIFORM STD. DWG. #235 CASE II.
12. BUS STOP PLACEMENT WITHIN EXCLUSIVE RIGHT TURN LANE PER UNIFORM STD. DWG. #234.3 & #234.1.
13. "L" TYPE CURB & GUTTER PER UNIFORM STD. DWG. #218.
14. SIDEWALK RAMPS PER UNIFORM STD. DWG. #235, CASE I.
15. SIDEWALKS PER UNIFORM STD. DWG. #234.
16. ON-SITE DECORATIVE SIDEWALK PER SHT. AC100.
17. CONSTRUCT 5' TRANSITION BETWEEN "A" CURB AND "L" CURB
18. BOLLARDS PER ARCHITECTURAL PLANS AND SPECIFICATIONS
19. SEE ARCHITECTURAL PLANS FOR SPECIFICATIONS FOR GATE AND MATERIALS AT DOCTORS PARKING LOT
20. FLOOD WALL, SEE DETAIL 9/C7.01
21. FOR AC PAVING SEE PAVEMENT PLAN, SHEET C4.05
22. SPLASH BLOCK PER DETAIL 12/C7.01
23. MATCH EXISTING ELEVATION
24. NOT USED
25. NOT USED
26. HAND RAIL PER ARCHITECTURAL DETAILS AND SPECIFICATIONS
27. PATCH AC PAVEMENT IN THE STREET PER STD DWG #503 (4' MIN.) SEE NOTE [1] FOR PAVEMENT PATCH IN SHADOW, SHT. C4.04.

## STORM DRAIN CONSTRUCTION NOTES:

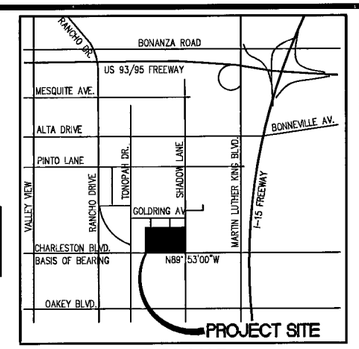
1. PROVIDE JENSEN PRECAST DROP INLET MODEL 2424HDI OR APPROVED EQUAL. INLET SIZE: 24" X 24" GRATE.
2. CONNECT ROOF DRAIN TO STORM DRAIN.
3. CONNECT 18" STORM DRAIN LINES TO EX. 48" HDPE STORM DRAIN WITH 18" TEE (PLAIN END).
4. PROVIDE DROP INLET TYPE "B" PER UNIFORM STANDARD DWG NO. 412. INLET SIZE: 3' GRATE WITH 6' CURB OPENING.
5. PROVIDE 48" HDPE STORM DRAIN PIPE. RELOCATING EXISTING STORM DRAIN FROM UNDER PROPOSED CONSTRUCTION.
6. PROVIDE TYPE III STORM DRAIN MANHOLE PER UNIFORM STD. DRAWING NO. 406. SLOPE SHOWN ON PLAN TO BE MAINTAINED ACROSS BASE (FORMED).
7. PROVIDE STORM DRAIN CLEANOUTS
8. PROVIDE A 12" X 18" ECCENTRIC INCREASER
9. PROVIDE TRENCH DRAIN. SEE DETAIL 1/C7.02
10. PROVIDE TYPE I STORM DRAIN MANHOLE PER UNIFORM STD. DRAWING NO. 403
11. PROVIDE LOCKING TIGHT MANHOLE COVER.
12. PROVIDE A 10" X 12" ECCENTRIC INCREASER
13. RECONSTRUCT EXISTING 20' TYPE "D" MODIFIED DROP INLET PER DETAIL 2 SHEET C7.02

## LEGEND

| EXISTING | PROPOSED | | EXISTING | PROPOSED | |
|---|---|---|---|---|---|
| | | RIGHT-OF-WAY | | OHP | OVERHEAD POWER |
| | | CENTERLINE | | | RETAINING WALL |
| | | PROPERTY LINE | | | CHAIN LINK FENCE |
| | | SAWCUT LINE | | | SCARP |
| (W) | W | WATER LINE | | | GRADE BREAK |
| (SS) | SS | SANITARY SEWER LINE | | | WIRE FENCE |
| (G) | G | GAS LINE | | FF=0.00 | FINISH FLOOR |
| (SD) | SD | STORM DRAIN | (0.00) C.O. INV | 0.00 C.O. INV | CLEANOUT INVERT ELEV. |
| | | POWER LINE/POWER POLE | | 0.00% | FLOW DIRECTION |
| (T) | T | TELEPHONE LINE | (0.00) | 0.00 | FINISH GRADE |
| | | FIRE HYDRANT | FG | FG | |
| | | WATER VALVE | (0.00) TC | 0.00 TC | TOP OF CURB |
| | | METERS/PULL BOXES | | | |
| | | REDUCER | (0.00) TOW | 0.00 TOW | TOP OF WALL |
| | | MANHOLE | | | GATE |
| CO | CO | CLEANOUT | | | SIGN |
| (00) | 00 | CONTOUR | STREET LIGHTS | | |
| | | A.C. PAVING | | | 100 W H.P.S. |
| | | TYPE "L" CURB & GUTTER | | | 150 W H.P.S. |
| | | TYPE "A" CURB | | | 200 W H.P.S. |
| | | CONCRETE | | | 250 W H.P.S. |

SITE KEY MAP

AREA SHOWN ON SHEET




AREA MAP
SCALE: NONE

GRAPHIC SCALE
30 0 15 30 60 120
( IN FEET )
1 inch = 30 ft.

## BASIS OF BEARING

N 89°53'00" W BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 33, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, NEVADA., SAID LINE ALSO BEING CENTERLINE OF CHARLESTON BOULEVARD.

## BENCHMARK

BM #10, 7C01 335SW8, BEING A RIVET AND PLATE IN TOP OF CURB, NE RETURN CHARLESTON BLVD. AND SHADOW LANE.
ELEV: 2053.46' NAVD88

## APN:

139-33-410-001,004,008-009, 018,029
139-33-405-001,002

## ADJUSTED ELEVATIONS

ELEVATION ADJUSTMENT OF -.08' WAS MADE BETWEEN THE EXISTING CLV 107-V2911, STORM DRAIN PLANS AND PROFILE AND THESE PLANS. ADD 2000.00 TO ALL ELEVATIONS SHOWN ON PLANS (XX.XX).

## GRADING NOTES

1. SLOPES 4:1 OR STEEPER AND FINE-GRAINED MATERIALS THAT HAVE BEEN DISTURBED (SANDY AND SILTY MATERIALS) SHOULD BE PROTECTED WITH BURLAP OR OTHER EROSION CONTROL FABRIC/MATERIAL, UNLESS OTHERWISE SPECIFIED BY LANDSCAPE DRAWINGS AND SPECIFICATIONS OR THE SOILS REPORT.
2. DETERMINE FOOTING OR BASEMENT EXCAVATION QUANTITIES, STRUCTURE BACKFILL COSTS SHALL BE INCLUDED IN THE COST OF THE STRUCTURE, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
3. NOTIFY ARCHITECT WITHIN 24 HOURS OF OMISSIONS AND ERRORS DISCOVERED ON PLANS. LOCHSA ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY "CORRECTIVE" WORK DONE BY OTHERS.
4. ENSURE POSITIVE DRAINAGE. NO PONDING ALLOWED.
5. FOLLOW RECOMMENDATIONS AS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT, INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING AND COMPACTION. REFER TO THE REPORT PREPARED BY:

CONSULTANTS : CONVERSE CONSULTANTS
PROJECT NO.: 98-33375-01
DATED: DECEMBER 30, 1999

LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND WHAT EXIST IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE OR ENGINEER IMMEDIATELY.

| REV | DATE | BY | REVISION |
|---|---|---|---|
| 2 | 2/13/02 | ERF | ADD NOTES |
| 1 | 6/27/04 | ERF | REMOVE MEDIAN, ADJUST RT. TURN AND BUS TURNOUT |
| | | | REMOVE LINES IN CIRCLE |
| 3 | 4/23/08 | TC | RELOCATE SIDEWALK UNDERDRAIN, 2' CHANNEL AND CURBING |
| 4 | 10/19/09 | JFS | UPDATED CHARLESTON STATIONING TO NEW NDOT STATIONING |
| | | | UPDATED STORM DRAIN IN SHADOW LANE. 6/4/09 |

UNIVERSITY MEDICAL CENTER
1800 W. CHARLESTON
LAS VEGAS, NEVADA 89102
(702) 383-3551 FAX (702) 383-7742

LOCHSA ENGINEERING
6245 SOUTH JONES BOULEVARD SUITE 100
LAS VEGAS, NV 89118
PHONE: (702) 365-9312, FAX: (702) 365-9317

SHEET: GRADING PLAN 2
TITLE: UMC N.E. BUILDING ADDITION
UNIVERSITY MEDICAL CENTER

| DRAWN BY: | DESIGNED BY: | CHECKED BY: | PROJECT NO: | SCALE: 1" = 30'-0" |
|---|---|---|---|---|
| E.R.F. | M.M.B. | M.L.H. | 6235.54 | |
| 8/20/01 | 8/20/01 | 8/20/01 | | |

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Architect

SEAL

6-12-09

SHEET C4.02
11 OF 24 SHEETS
C.L.V. DRAWING NO. 107V3486

1606