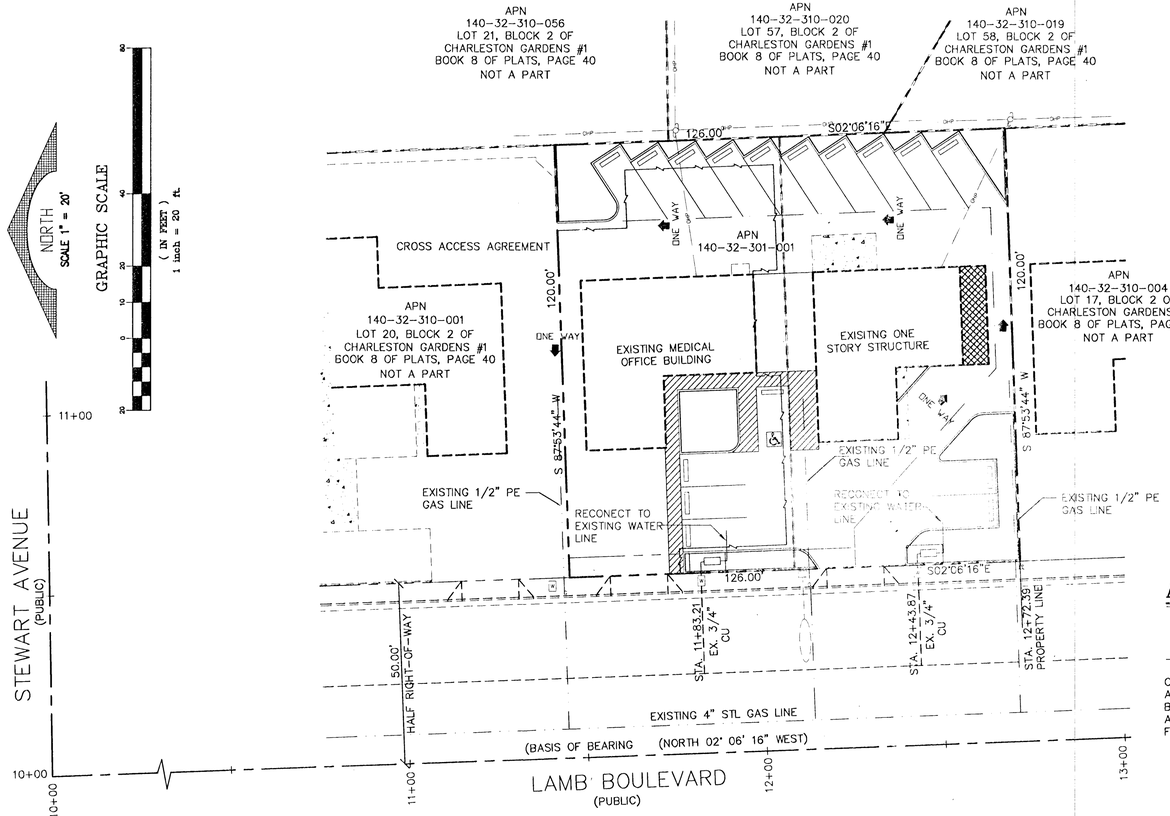


SEE CONSTRUCTION NOTES ON SHEET C2

FIRE FLOW CALCULATIONS

USE/OCCUPANCY COMMERCIAL
TYPE OF CONSTRUCTION (IBC) 5 NON-RATED
FIRE FLOW 1500 GPM @ 20 PSI
AUTOMATIC SPRINKLERS ___ YES X NO
NFPA 13 ___ 13R ___ 13D ___
ESFR ___ YES/NO ___
LARGEST AREA BETWEEN 4 HOUR WALLS 3260 S.F.
BUILDING HEIGHT 20 FEET
OF STORIES INCLUDING BASEMENT 1
HIGH PILED COMBUSTIBLE STORAGE ___ YES NO X
OF HYDRANTS INSTALLED 1 OFFSITE X ONSITE

APPROVED
FOR CONSTRUCTION
Joe Heads
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: 11/15/12 PROJECT NO. 120998
LVVWD APPROVED FIRE FLOW 1500 GPM @ 20 PSI RESIDUAL

REDUCED PRESSURE PRINCIPLE ASSEMBLY (2) 1" RPPA
APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY (S) SHALL BE INSTALLED PER THE UDACS PLATE NUMBER 8, NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENT(S) SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

1985 PRESSURE ZONE

THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE-REDUCING VALVES BE INSTALLED WHENEVER THE PRESURE EXCEEDS 80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY, AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES.

APPROVALS

gk Gillis 10/31/12
DATE

CITY FIRE ~~MARSHALL~~ DEPT
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW 1500 GPM AT 20 PSI RESIDUAL PRESURE.

INSTALL VEHICULAR PROTECTION BOLLARDS AS NEEDED PER UDACS PLATE 75.

ESN.039 REV. 09/10/09

CONSTRUCTION NOTES

1. INSTALL 6" 3000 PSI CONCRETE / 4"TYPE II
2. INSTALL 6" "A" CURB PER C.C.U.S.D. #219
3. CROSS SLOPE NOT TO EXCEED 2%
4. HANDICAP PARKING LONGITUDINAL SLOPE NOT TO EXCEED 2%
5. EXISTING WALL AND FOOTING TO BE REMOVED
6. SAWCUT AND REMOVE EXISTING CONCRETE
7. INSTALL PARKING STOP PER C.C.U.S.D. #238
8. SIGHT VISIBILITY ZONE AS PER SDR-36.345
   NOTE: ALL LANDSCAPE IMPROVMENTS ALONG LAMB BOULEVARD SHALL HAVE A MAXIMUM TWO FOOT HEIGHT FOR SVRZ.
9. CUT EXISTING WATERLINE, INSTALL PER NOTES BELOW AND RECONNECT TO EXISTING LINE
   INSTALL 1" R.P.P.A. PER UDACS PLATE 8 WITH 2' OF 1" BRASS PIPE – METER TO RPPA AND A 3/4" TO 1" BRASS REDUCER (INSTALL AT METER)
   NOTE: ALL QUANTITIES SHOWN ARE PUBLIC NOT PRIVATE
   NOTE: ALL QUANTITIES SHOWN ARE PER RPPA ASSEMBLY

UTILITY GENERAL NOTE

ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

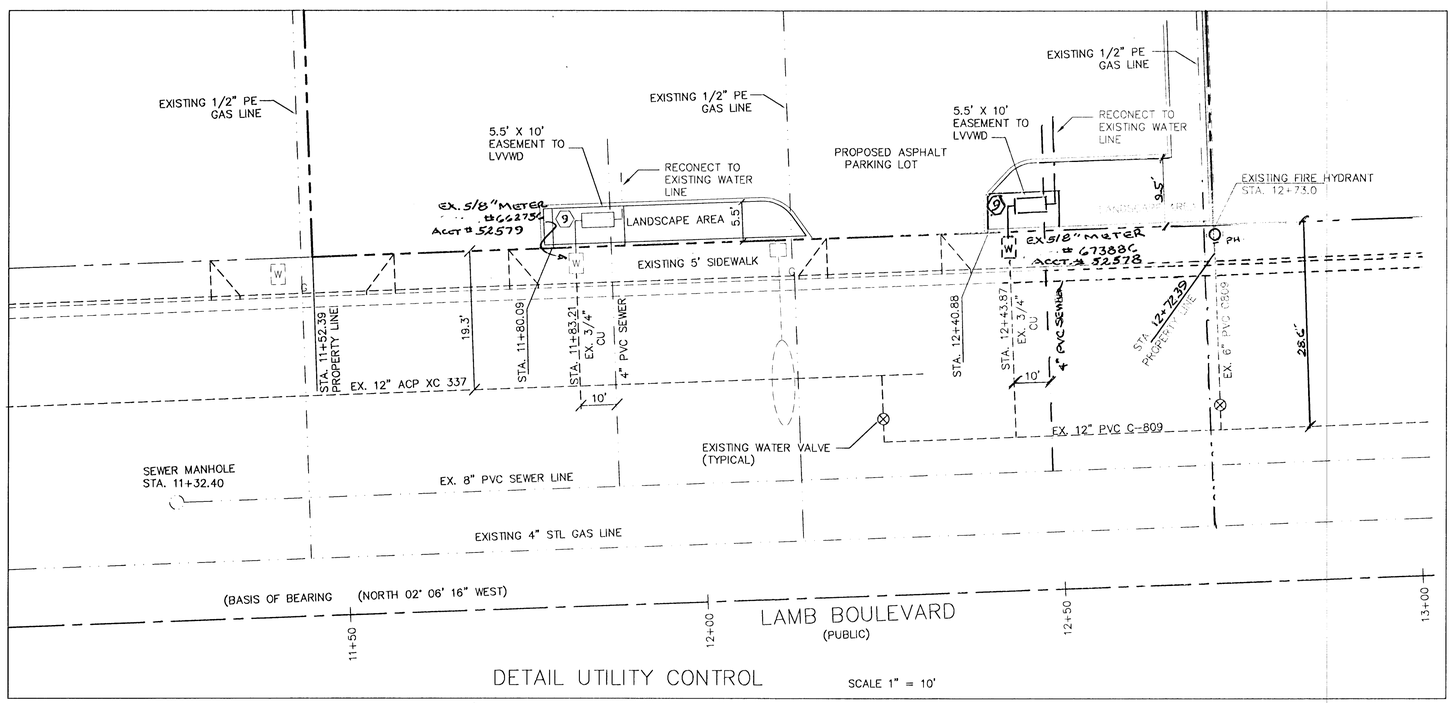
BENCHMARK

CITY OF LAS VEGAS ENGINEERING DEPARTMENT DATUM
BENCH MARK NUMBER 2LV02 32W4
RIVET AND PLATE IN TOP OF CURB AT SOUTHEAST CORNER OF LAMB BOULEVARD AND STEWART AVENUE

METERS 537.114
US SURVEY FEET 1762.18

BASIS OF BEARING

NORTH 02° 06' 16" WEST BEING THE CENTERLINE OF LAMB BOULEVARD AS SHOWN PER THAT MAP RECORDED IN BOOK 8 OF PLATS, PAGE 40, CLARK COUNTY RECORDS, NEVADA



DETAIL UTILITY CONTROL SCALE 1" = 10'

AVOID CUTTING UNDERGROUND UTILITIES. IT'S COSTLY.
CALL BEFORE YOU DIg
1-800-227-2600
UNDERGROUND SERVICE (USA)

NOTICE !
EXISTING UTILITIES ARE LOCATED ON THE PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE ENGINEER DEEMS THE INFORMATION ON THE LOCATION OF UTILITIES SHOWN OR NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES BEFORE STARTING CONSTRUCTION AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL UTILITIES WITH THE UTILITY COMPANIES.

AVOID OVERHEAD POWER LINE CONTACT
CALL BEFORE YOU OVERHEAD
1-702-227-2929
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPT.

CALL BEFORE YOU UNDERGROUD
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL
811
OR
LVACTS 702-432-5300
AND
CLARK COUNTY TRAFFIC OPERATIONS
1-702-455-7544

2305

10TU5804

REV.	REVISION DESCRIPTION	SHT. #	APP. BY:	DATE:

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT TO ALL BIDDERS TO THE ENGINEER ANY DISCREPANCIES PRIOR TO BIDDING. THE DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY THE ENGINEER ARE AND SHALL BE CONSIDERED PROPERTY OF THE ENGINEER. THE REPRODUCTION, ALTERATION OR REPUBLICATION WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ENGINEER OF THE OWNER/DEVELOPER/CONTRACTORS RISK. ANY USE OF THIS DRAWING IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, IS STRICTLY PROHIBITED EXCEPT WITH WRITTEN CONSENT OF THE ENGINEER.

RRC ENGINEERS LLC
4200 W. RUSSELL ROAD STE. 103
LAS VEGAS, NEVADA 89118
PHONE (702) 478-9328 FAX 586-1582
EMAIL: RRC@RRCENGINEERS.COM

Dr. JUSTO SATARAY
UTILITY PLAN
220 NORTH LAMB BOULEVARD
LAS VEGAS, NEVADA

JOB #: 0452011
APN: 140-32-301-001
DRAWN BY: JPS
DESIGNED BY: WDC
DATE: NOVEMBER, 2011
SECT: 32 T: 20 R: 62
SCALE: HORIZ 1" = 10' VERT 1" = NONE

NATIONAL ENGINEER STATE OF NEVADA
WILLIAM D. CLARK
No. 9117
10-31-12
CIVIL

SHEET #
C4
4 OF 4

CLV#: 44739