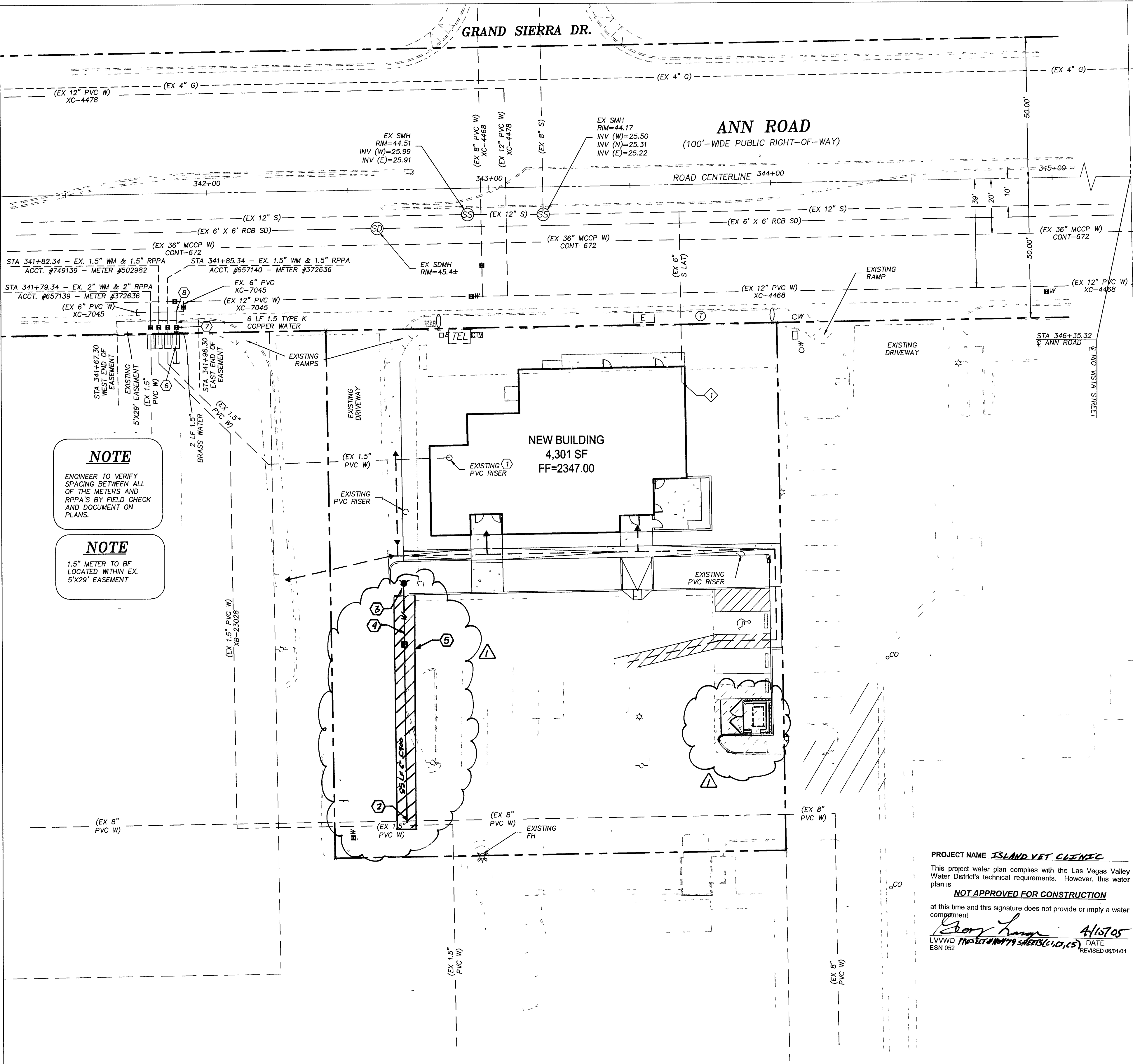




SEWER CONSTRUCTION NOTES

EXISTING 6" SEWER - CONTRACTOR TO LOCATE AND DETERMINE INVERT ELEVATION. FOR CONTINUATION SEE PLUMBING PLANS. SEE NOTE AND POINT AND CONNECTION NOTICE THIS SHEET.

WATER CONSTRUCTION NOTES

- STUB AND CAP WATER, FOR CONTINUATION REFERENCE PLUMBING PLANS.
- CONNECT TO EXISTING 8" W/ 6" MJJ WET TAPPING SLEEVE & VALVE.
- PROVIDE & INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE #7
- PROVIDE AND INSTALL C900 WATER LINE - LENGTH AND SIZE PER PLAN.
- TRENCH AND BACKFILL PER CCASD #503 (MATCH EXIST. AC PAVEMENT).
- PROVIDE & INSTALL 1.5" RPPA PER UDACS PLATE #11A.
- PROVIDE & INSTALL 1.5" METER PER UDACS PLATE #1D. LOCATE WITHIN EXISTING 5' X 29' EASEMENT.
- CONNECT TO 6" WATERLINE W/ 1.5" SERVICE SADDLE & CORP. STOP.

LVVWD NOTES

(1) APPROVED 1-1/2" REDUCED PRESSURE PRINCIPLE ASSEMBLY SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A. 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 TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY

EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

FIRE HYDRANT(S) TO BE INSTALLED IN ACCORDANCE WITH THE UDACS STANDARD PLATE NO. 7.

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 PRESSURE EXCEEDS 80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY, AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES.

INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER UDACS PLATE NO. 27.

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 1750 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.

BASED ON:

SQUARE FOOTAGE: 4301 SQUARE FEET

LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: N/A SQUARE FEET

BUILDING HEIGHT: 21.83 FEET

NUMBER OF STORIES: ONE FLOOR

TYPE OF CONSTRUCTION: V-B

OCCUPANCY: B

FULL AUTOMATIC FIRE SPRINKLER SYSTEM: ☐ YES ☒ NO

REVIEWED BY: [Signature] DATE: 4/13/05
LAS VEGAS FIRE DEPT.

WATER & SEWER CROSSING NOTE

THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT WATER LINE AND SANITARY OR STORM SEWER LINE CROSS:

A. MINIMUM EIGHTEEN (18) INCH VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SANITARY OR STORM SEWER LINE. IF THE VERTICAL SEPARATION CANNOT BE MAINTAINED OR THE WATER LINE MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE, THE SANITARY OR STORM SEWER LINE MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING OR, AS SHOWN ON THESE PLANS:

A. POTABLE WATER SUPPLY QUALITY MATERIAL.

B. ENCASEMENT, WITH FOUR (4) INCH CONCRETE (MIN.)

C. SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE.

EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE MAIN, A MINIMUM 10 FOOT DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.

SEWER CONTRIBUTION

AVERAGE DAILY FLOW 0.001115 MGD

PEAK HOURLY FLOW 185.82 GPH

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)

1 INCH = 20 FT

LOCATION MAP

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL POINT "1LV90 33NES", BEING A RIVET & PLATE IN TOP OF CURB ON THE SOUTH SIDE OF ANN AND BUFFALO.

ELEVATION: 2371.99 (US SURVEY FEET)
722.99 (METERS)

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

BASIS OF BEARINGS

NORTH 89°11'18" EAST, BEING THE BEARING ALONG THE NORTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 34, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN IN BOOK 90 AT PAGE 44 OF PLATS, IN THE OFFICE OF THE CLARK COUNTY RECORDER, CLARK COUNTY, NEVADA.

ESTIMATE OF QUANTITIES

PUBLIC	
1.5" RPPA	1 EA.
1.5" WATER METER	1 EA.
1.5" SERVICE SADDLE & CORPORATE STOP	1 EA.

PRIVATE	
6" C900	25 LF
FIRE HYDRANT	1 EA.
4" MJJ WET TAPPING SLEEVE AND VALVE	1 EA.

NOTE FOR CONTRACTOR

CONTRACTOR TO VERIFY UTILITY STUB LOCATIONS AND SIZE WITH PLUMBING PLANS PRIOR TO INSTALLATION OF NEW UTILITIES. CONTRACTOR SHALL LOCATE EXISTING UTILITIES AND VERIFY UTILITY CONNECTION LOCATIONS ANY DISCREPANCIES SHALL BE COORDINATED WITH THE OWNER, ARCHITECT AND ENGINEER PRIOR TO CONSTRUCTION.

APPROVED FOR CONSTRUCTION

[Signature]
LAS VEGAS VALLEY WATER DISTRICT
PAO #0269-04
PROJECT #110479

5/16/05
DATE

NOTE

CIVILWORKS, INC. ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND/OR ELEVATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION. IT IS, HOWEVER THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES AND SITE ELEVATIONS 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 EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT OR ENGINEER IMMEDIATELY.

CLV DWG #

107V4350

Call before you dig

UnderGround

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CLARK COUNTY TRAFFIC OPERATIONS

AND

1-702-229-6611

FREEMAN AND INTERNAL SYSTEM OF TRANSPORTATION

EASEMENTS NOTE

THIS IS A RECORDED COMMERCIAL SUBDIVISION. ALL PROPERTY, THAT IS NOT DIRECTLY UNDER A BUILDING FOOTPRINT, IS A COMMON UTILITY EASEMENT, FOR SEWER, WATER, FIRE AND ELECTRICAL, REGARDLESS OF ANY, AND ALL, "PROPERTY LINES".

NOTICE TO CONTRACTOR !

EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

CALL before you dig

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UNDERGROUND SERVICE (USA)

CALL before you dig

1-702-593-6111

NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPT

EXISTING UTILITY REFERENCE NOTE

ALL EXISTING UTILITIES SHOWN ON THIS DRAWING ARE BASED ON UTILITIES SHOWN ON THE DEPARTMENT OF PUBLIC WORKS DRAWING FOR ANN ROAD. CIVILWORKS ASSUMES NO RESPONSIBILITY FOR THE UTILITY LOCATION.

NOTICE: POINT OF CONNECTION

CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO CONSTRUCTION ACTIVITIES AND CONSTRUCTION OF SANITARY SEWER AND SEWER LATERALS OF ALL INVERT ELEVATIONS. ONCE INVERT INFORMATION IS RECEIVED, THE SLOPE AND INVERTS WILL BE REVISED ACCORDINGLY. IF THE CONTRACTOR DOES NOT PROVIDE THE INFORMATION, THE ENGINEER WILL NOT BE RESPONSIBLE FOR THE SANITARY SEWER DESIGN.

LEGEND

W	WATER METER
EX	EX. FIRE HYDRANT
PROP.	PROP. FIRE HYDRANT
SD	EX. STORM DRAIN MANHOLE
SS	EX. SEWER MANHOLE

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ARCH: PURVIS ARCHITECTS

ISLAND VET CLINIC

7035 WEST ANN ROAD, SUITE 130, LAS VEGAS

OWNER/DEVELOPER: ROSLYN & TOBY GOLDMAN
7035 WEST ANN ROAD, SUITE 130
LAS VEGAS, NV 89130

PROJ. No. 04250493.00

DATE: 03-28-2005

PROJ. MGR: ENGR. CHK: SVP

REVISIONS:

1. 04-08-05 ENCL. - REL. F.H. Loc. Maps

PRINTS REQUIRE ENGINEER'S SEAL & SIGN. FOR PROOF OF VALIDITY

UTILITY PLAN

SHT. NO. C-5

of 7