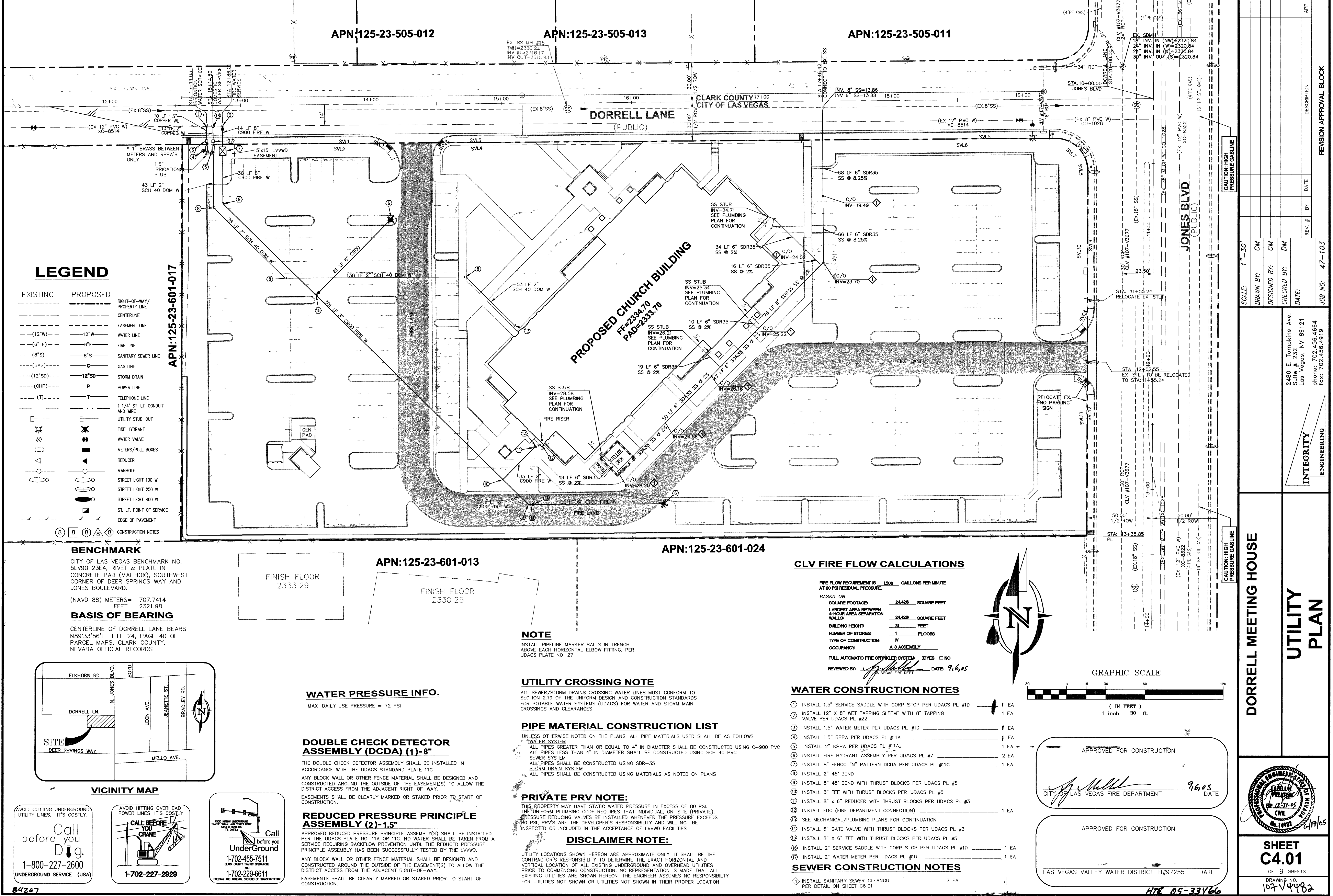




LEGEND

EXISTING	PROPOSED	RIGHT-OF-WAY/ PROPERTY LINE
---	---	CENTERLINE
---	---	EASEMENT LINE
---	---	WATER LINE
---	---	FIRE LINE
---	---	SANITARY SEWER LINE
---	---	GAS LINE
---	---	STORM DRAIN
---	---	POWER LINE
---	---	TELEPHONE LINE
---	---	1 1/4" ST. LT. CONDUIT AND WIRE
---	---	UTILITY STUB-OUT
---	---	FIRE HYDRANT
---	---	WATER VALVE
---	---	METERS/PULL BOXES
---	---	REDUCER
---	---	MANHOLE
---	---	STREET LIGHT 100 W
---	---	STREET LIGHT 250 W
---	---	STREET LIGHT 400 W
---	---	ST. LT. POINT OF SERVICE
---	---	EDGE OF PAVEMENT
---	---	CONSTRUCTION NOTES

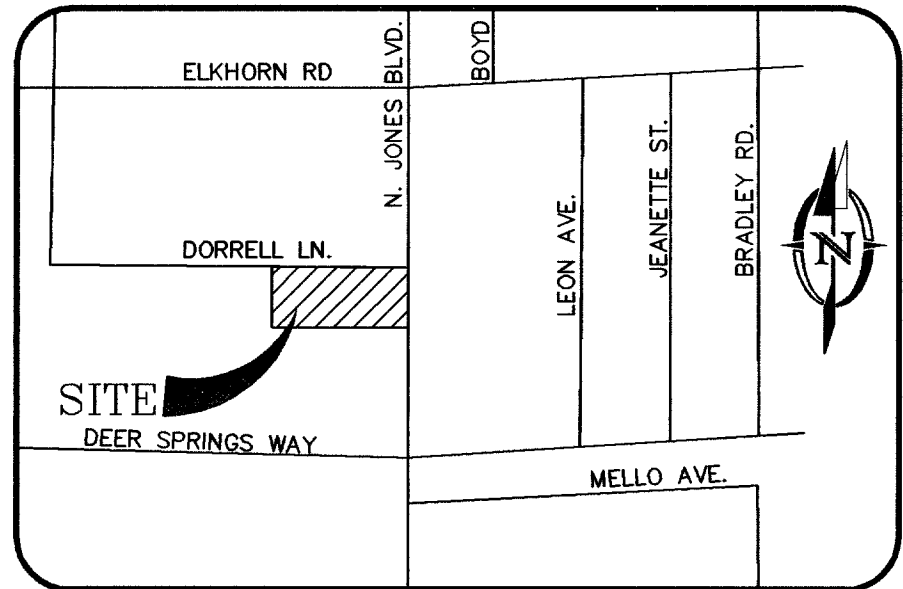
BENCHMARK

CITY OF LAS VEGAS BENCHMARK NO.
SLV90 23E4, RIVET & PLATE IN
CONCRETE PAD (MAILBOX), SOUTHWEST
CORNER OF DEER SPRINGS WAY AND
JONES BOULEVARD.

(NAVD 88) METERS= 707.7414
FEET= 2321.98

BASIS OF BEARING

CENTERLINE OF DORRELL LANE BEARS
N89°33'56"E FILE 24, PAGE 40 OF
PARCEL MAPS, CLARK COUNTY,
NEVADA OFFICIAL RECORDS



VICINITY MAP

Call before you Dig
1-800-227-2600
UNDERGROUND SERVICE (USA)

Call before you Dig
1-702-227-2929

Call before you Dig
1-702-455-7511
1-702-229-6611

WATER PRESSURE INFO.

MAX. DAILY USE PRESSURE = 72 PSI

DOUBLE CHECK DETECTOR ASSEMBLY (DCDA) (1)-8"

THE DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE INSTALLED IN
ACCORDANCE WITH THE UDACS STANDARD PLATE 11C.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND
CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE
DISTRICT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

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

REDUCED PRESSURE PRINCIPLE ASSEMBLY (2)-1.5"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED
PER THE UDACS PLATE NO. 11A OR 11C. NO WATER SHALL BE TAKEN FROM A
SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE
PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVWD.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND
CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE
DISTRICT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

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

NOTE

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

UTILITY CROSSING NOTE

ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO
SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS
FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN
CROSSINGS AND CLEARANCES

PIPE MATERIAL CONSTRUCTION LIST

UNLESS OTHERWISE NOTED ON THE PLANS, ALL PIPE MATERIALS USED SHALL BE AS FOLLOWS

- WATER SYSTEM
ALL PIPES GREATER THAN OR EQUAL TO 4" IN DIAMETER SHALL BE CONSTRUCTED USING C-900 PVC
- SEWER SYSTEM
ALL PIPES SHALL BE CONSTRUCTED USING SDR-35
- STORM DRAIN SYSTEM
ALL PIPES SHALL BE CONSTRUCTED USING MATERIALS AS NOTED ON PLANS

PRIVATE PRV NOTE:

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. PRVS ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE
INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVWD VISITORS

DISCLAIMER NOTE:

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE
CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND
VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD 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

CLV FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 1500 GALLONS PER MINUTE
AT 20 PSI RESIDUAL PRESSURE

BASED ON

SQUARE FOOTAGE	24,426	SQUARE FEET
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS	24,426	SQUARE FEET
BUILDING HEIGHT	31	FEET
NUMBER OF STORIES	1	FLOORS
TYPE OF CONSTRUCTION	IV	
OCCUPANCY	A-3 ASSEMBLY	

FULL AUTOMATIC FIRE SPRINKLER SYSTEM ☒ YES ☐ NO

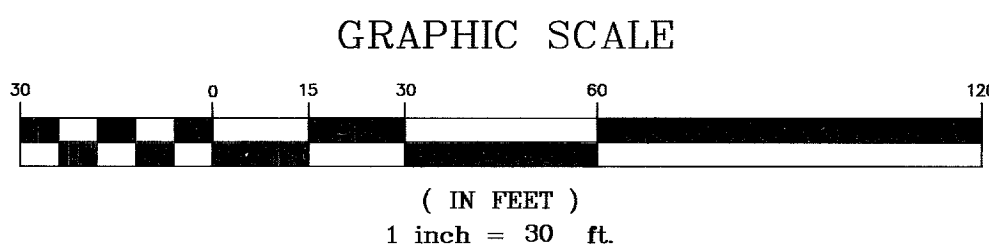
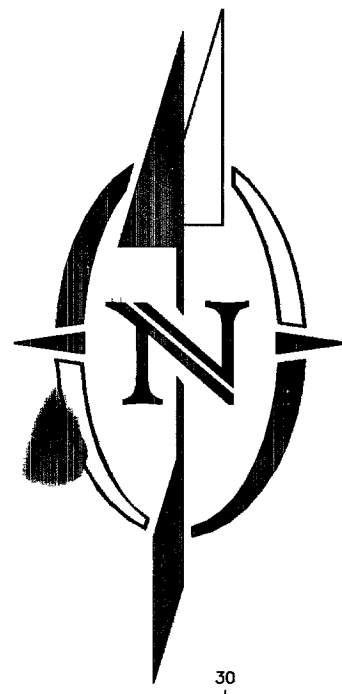
REVIEWED BY: [Signature] DATE: 9/6/05

WATER CONSTRUCTION NOTES

- INSTALL 1.5" SERVICE SADDLE WITH CORP STOP PER UDACS PL #1D 1 EA
- INSTALL 12" X 8" WET TAPPING SLEEVE WITH 8" TAPPING VALVE PER UDACS PL #22 1 EA
- INSTALL 1.5" WATER METER PER UDACS PL #1D 1 EA
- INSTALL 1.5" RPPA PER UDACS PL #11A 1 EA
- INSTALL 2" RPPA PER UDACS PL #11A 1 EA
- INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PL #7 2 EA
- INSTALL 8" FEBCO "N" PATTERN DCDA PER UDACS PL #11C 1 EA
- INSTALL 2" 45° BEND 1 EA
- INSTALL 8" 45° BEND WITH THRUST BLOCKS PER UDACS PL #5 1 EA
- INSTALL 8" TEE WITH THRUST BLOCKS PER UDACS PL #5 1 EA
- INSTALL 8" X 6" REDUCER WITH THRUST BLOCKS PER UDACS PL #3 1 EA
- INSTALL FDC (FIRE DEPARTMENT CONNECTION) 1 EA
- SEE MECHANICAL/PLUMBING PLANS FOR CONTINUATION
- INSTALL 6" GATE VALVE WITH THRUST BLOCKS PER UDACS PL #3 1 EA
- INSTALL 8" X 6" TEE WITH THRUST BLOCKS PER UDACS PL #5 1 EA
- INSTALL 2" SERVICE SADDLE WITH CORP STOP PER UDACS PL #1D 1 EA
- INSTALL 2" WATER METER PER UDACS PL #1D 1 EA

SEWER CONSTRUCTION NOTES

- INSTALL SANITARY SEWER CLEANOUT 7 EA
PER DETAIL ON SHEET C6 D1



APPROVED FOR CONSTRUCTION

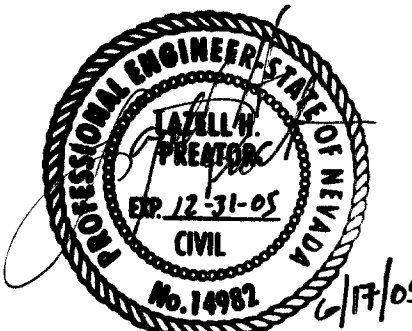
[Signature]
CITY OF LAS VEGAS FIRE DEPARTMENT
DATE: 9/6/05

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT H#97255 DATE: HTE 05-33466

DORRELL MEETING HOUSE

UTILITY PLAN



SHEET C4.01

OF 9 SHEETS

DRAWING NO. 107V4482

SCALE: 1"=30'

DRAWN BY: CM

DESIGNED BY: CM

CHECKED BY: DM

DATE:

REV. #

BY

DATE

JOB NO: 47-103

INTEGRITY ENGINEERING

2480 E. Tompkins Ave.
Suite # 232
Las Vegas, NV 89121
phone: 702.456.4564
fax: 702.456.4919

REVISION APPROVAL BLOCK