

WATER NOTES

- WATER METERING REQUIREMENTS FOR NEW DEVELOPMENTS:
 - SEPARATE DOMESTIC AND FIRE SERVICES (WHERE APPLICABLE) ARE REQUIRED FOR EACH DWELLING UNIT, PUBLIC, QUASI-PUBLIC, COMMERCIAL AND/OR INDUSTRIAL OCCUPANCY LOCATED ON A SINGLE PARCEL OR LOT.
 - IN THE EVENT THAT A BUILDING WITHIN AN INDUSTRIAL OR COMMERCIAL SUBDIVISION IS DIVIDED, SEPARATE DOMESTIC SERVICES ARE REQUIRED FOR EACH UNIT.
 - EACH PARCEL OR LOT OF A COMMERCIAL OR RESIDENTIAL SUBDIVISION WILL HAVE A MINIMUM OF ONE (1) METERED DOMESTIC SERVICE. WHEN A FIRE SERVICE IS REQUIRED, EACH PARCEL OR LOT WILL HAVE A MINIMUM OF ONE (1) FIRE SERVICE. THE CITY, AT ITS OPTION, MAY ALLOW A COMMUNAL FIRE SERVICE PROVIDED THE PROPERTY OWNERS FIRST ESTABLISHED A PROPERTY MANAGEMENT ASSOCIATION WHICH ACCEPTS RESPONSIBILITY FOR THE PAYMENT OF WATER BILLS AND THE MAINTENANCE AND OPERATIONS OF THE FIRE LINES AND BACKFLOW PREVENTION ASSEMBLY.
- WATER AND SEWER SERVICE LATERALS SHALL BE INSTALLED A MINIMUM OF FORTY-EIGHT (48) INCHES APART IN SEPARATE TRENCHES. WATER LATERALS SHALL BE A MINIMUM OF TWELVE (12) INCHES ABOVE THE SEWER LATERAL (REF. UNIFORM PLUMBING CODE).
- THE ON-SITE WATER LINES AND APPURTENANCES ARE PRIVATE FACILITIES NOT TO BE OPERATED OR MAINTAINED BY THE CITY OF NORTH LAS VEGAS.
- ALL WATER FACILITIES CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS" (UDACS), LATEST EDITION.
- FIRE SERVICE AND DOMESTIC WATER, AS APPROVED ON THIS PLAN, ARE INTENDED SPECIFICALLY FOR THE LOT AND USE SHOWN, AND ARE NOT INTENDED TO SERVE ADDITIONAL PARCELS AND/OR LOTS.

IF THE PARCEL AND/OR LOTS SHOWN ON THIS PLAN ARE FURTHER DIVIDED TO CREATE ADDITIONAL PARCELS OR LOTS, THE OWNER IS REQUIRED TO PROVIDE SEPARATE FIRE AND DOMESTIC SERVICES TO EACH.
- ABANDONMENT OF EXISTING SERVICE LATERALS (2" AND SMALLER):

THE CONTRACTOR SHALL NOTIFY THE AGENCY TWO (2) FULL BUSINESS DAYS PRIOR TO THE REQUESTED REMOVAL TIME TO ALLOW THE AGENCY TO TAKE THE FINAL METER READING.

THE CONTRACTOR MAY THEN BEGIN REMOVAL PROCEDURES FOR THE AFFECTED SERVICE AS FOLLOWS:

EXISTING SERVICE LATERALS TO BE ABANDONED FROM EXISTING WATER MAINS SHALL HAVE THE CORPORATION STOPS TURNED OFF AT THE MAIN, THE LATERAL CUT SIX (6) INCHES DOWNSTREAM FROM THE CORPORATION STOP, AND A CAP INSTALLED. THE LATERAL SHALL BE CUT AGAIN APPROXIMATELY SIX (6) INCHES DOWNSTREAM FROM THE FIRST CUT SO A SIX (6) INCH PIECE OF THE EXISTING SERVICE LATERAL IS REMOVED. IF THE CORPORATION STOP IS DAMAGED BEYOND REPAIR OR PULLED FROM THE EXISTING WATER MAIN, THE MAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE IN A MANNER APPROVED BY THE AGENCY. IF IT IS DISCOVERED THE CORPORATION STOP IS NOT WATER TIGHT, THROUGH NO FAULT OF THE CONTRACTOR, THE CONTRACTOR SHALL NOTIFY THE AGENCY FOR FURTHER DIRECTION.

THE EXISTING METER(S) SHALL BE REMOVED AND DELIVERED TO THE AGENCY.

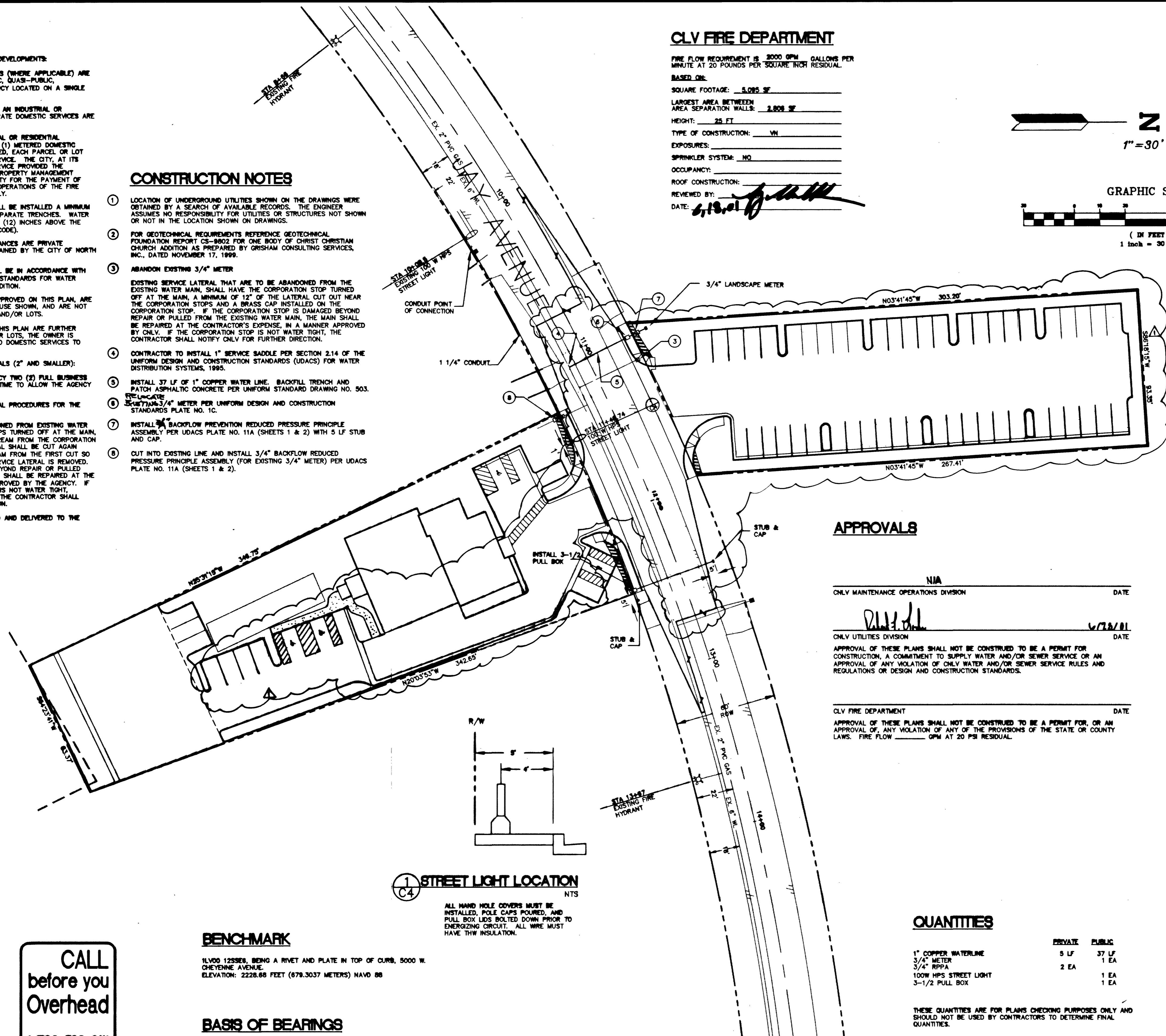
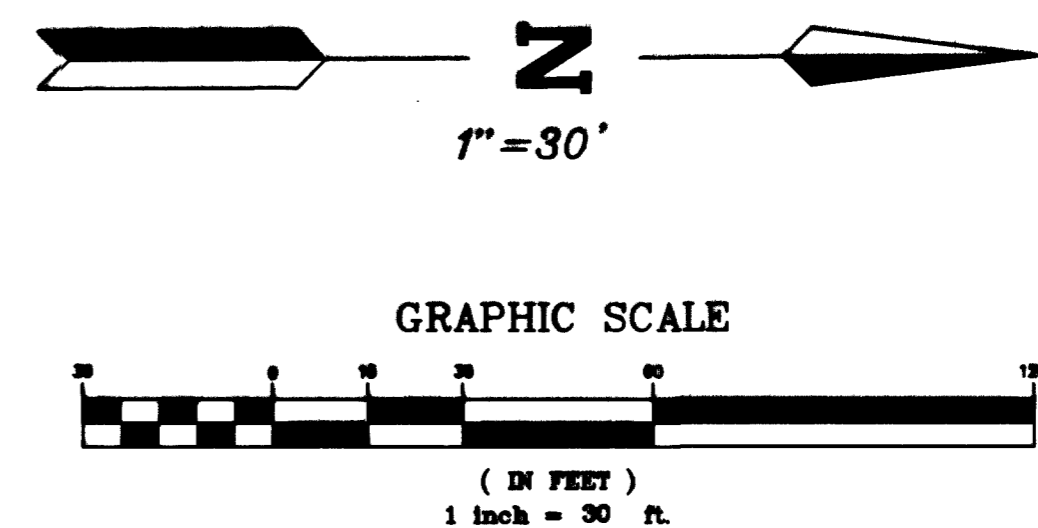
CONSTRUCTION NOTES

- LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES OR STRUCTURES NOT SHOWN OR NOT IN THE LOCATION SHOWN ON DRAWINGS.
- FOR GEOTECHNICAL REQUIREMENTS REFERENCE GEOTECHNICAL FOUNDATION REPORT CS-8002 FOR ONE BODY OF CHRIST CHURCH ADDITION AS PREPARED BY GRISHAM CONSULTING SERVICES, INC., DATED NOVEMBER 17, 1999.
- ABANDON EXISTING 3/4" METER EXISTING SERVICE LATERAL THAT ARE TO BE ABANDONED FROM THE EXISTING WATER MAIN, SHALL HAVE THE CORPORATION STOP TURNED OFF AT THE MAIN, A MINIMUM OF 12" OF THE LATERAL CUT OUT NEAR THE CORPORATION STOPS AND A BRASS CAP INSTALLED ON THE CORPORATION STOP. IF THE CORPORATION STOP IS DAMAGED BEYOND REPAIR OR PULLED FROM THE EXISTING WATER MAIN, THE MAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, IN A MANNER APPROVED BY CHLV. IF THE CORPORATION STOP IS NOT WATER TIGHT, THE CONTRACTOR SHALL NOTIFY CHLV FOR FURTHER DIRECTION.
- CONTRACTOR TO INSTALL 1" SERVICE SADDLE PER SECTION 2.14 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS (UDACS) FOR WATER DISTRIBUTION SYSTEMS, 1995.
- INSTALL 37 LF OF 1" COPPER WATER LINE, BACKFILL TRENCH AND PATCH ASPHALTIC CONCRETE PER UNIFORM STANDARD DRAWING NO. 503.
- INSTALL 3/4" METER PER UNIFORM DESIGN AND CONSTRUCTION STANDARDS PLATE NO. 1C.
- INSTALL BACKFLOW PREVENTION REDUCED PRESSURE PRINCIPLE ASSEMBLY PER UDACS PLATE NO. 11A (SHEETS 1 & 2) WITH 5 LF STUB AND CAP.
- CUT INTO EXISTING LINE AND INSTALL 3/4" BACKFLOW REDUCED PRESSURE PRINCIPLE ASSEMBLY (FOR EXISTING 3/4" METER) PER UDACS PLATE NO. 11A (SHEETS 1 & 2).

CLV FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS 3000 GPM GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL.

BASED ON:
 SQUARE FOOTAGE: 5,095 SF
 LARGEST AREA BETWEEN AREA SEPARATION WALLS: 2,609 SF
 HEIGHT: 25 FT
 TYPE OF CONSTRUCTION: VN
 EXPOSURES:
 SPRINKLER SYSTEM: NO
 OCCUPANCY:
 ROOF CONSTRUCTION:
 REVIEWED BY: *[Signature]*
 DATE: 6/19/01



LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED SANITARY SEWER LINE
- EXISTING SANITARY SEWER LINE
- PROPOSED WATER LINE
- EXISTING WATER LINE
- EXISTING EDGE OF ASPHALT
- PROPERTY/RIGHT-OF-WAY LINE
- CENTERLINE
- BLOCK WALL
- EXISTING OVERHEAD POWER AND TELEPHONE
- SAWCUT LINE
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER MANHOLE
- EXISTING/PROPOSED 100W HPS STREETLIGHT
- EXISTING/PROPOSED 250W HPS STREETLIGHT
- STREETLIGHT SERVICE POINT
- HANDICAPPED SYMBOL
- EXISTING/PROPOSED FIRE HYDRANT
- PROPOSED GATE VALVE
- CLEANOUT
- STREET SIGN
- CONCRETE
- FIRE LANE
- CURB TO BE PAINTED RED

APPROVALS

NIA
 ONLY MAINTENANCE OPERATIONS DIVISION DATE

[Signature] 6/19/01
 ONLY UTILITIES DIVISION DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR CONSTRUCTION, A COMMITMENT TO SUPPLY WATER AND/OR SEWER SERVICE OR AN APPROVAL OF ANY VIOLATION OF ONLY WATER AND/OR SEWER SERVICE RULES AND REGULATIONS OR DESIGN AND CONSTRUCTION STANDARDS.

CLV FIRE DEPARTMENT DATE
 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 _____ GPM AT 20 PSI RESIDUAL.

QUANTITIES

	PRIVATE	PUBLIC
1" COPPER WATERLINE	5 LF	37 LF
3/4" METER		1 EA
3/4" RPPA	2 EA	
100W HPS STREET LIGHT		1 EA
3-1/2 PULL BOX		1 EA

THESE QUANTITIES ARE FOR PLANS CHECKING PURPOSES ONLY AND SHOULD NOT BE USED BY CONTRACTORS TO DETERMINE FINAL QUANTITIES.

ABBREVIATIONS

- AC..... ASPHALTIC CONCRETE
- BOR..... BEGINNING OF CURB RETURN
- CCH..... CITY OF HENDERSON
- CL..... CENTERLINE OF ROAD
- CO..... SEWER CLEANOUT
- CONC..... CONCRETE
- EAC..... EXISTING ASPHALTIC CONCRETE
- END..... END OF CURB RETURN
- EP..... EDGE OF PAVEMENT
- ETC..... EXISTING TOP OF CURB
- EX..... EXISTING
- FF..... FINISHED FLOOR
- FL..... FLOWLINE
- GB..... GRADE BREAK
- IE..... INVERT ELEVATION
- LVWD..... LAS VEGAS VALLEY WATER DISTRICT
- OP..... EXISTING OVERHEAD POWER
- PE..... PAD ELEVATION
- PL..... PROPERTY LINE
- PP..... POWER POLE
- SD..... STORM DRAIN LINE
- SS..... SANITARY SEWERLINE
- TC..... TOP OF CURB
- TYP..... TYPICAL
- WL..... WATERLINE

BENCHMARK

1LV00 123589, BEING A RIVET AND PLATE IN TOP OF CURB, 5000 W. CHEYENNE AVENUE.
 ELEVATION: 2228.66 FEET (679.3037 METERS) NAVD 88

BASIS OF BEARINGS

SOUTH 89°16'15" WEST BEING THE NORTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 12, TOWNSHIP 20 SOUTH, RANGE 06 EAST, MDN. AS RECORDED IN BOOK 3, PAGE 86 OF PLATS.

STREET LIGHT LOCATION
 NTS

ALL HAND HOLE COVERS MUST BE INSTALLED, POLE CAPS POURED, AND PULL BOX LIDS BOLTED DOWN PRIOR TO ENERGIZING CIRCUIT. ALL WIRE MUST HAVE THW INSULATION.

CALL before you DIG
 1-800-227-2600
UNDERGROUND SERVICE (USA) AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

CALL before you Overhead
 1-702-593-6111
UNDERGROUND SERVICE (USA) AVOID OVERHEAD POWER LINE CONTACT. IT'S COSTLY.

REVISED SITE LAYOUT AND CONTRACT

FREMONT CONSTRUCTION CO., INC.
 PROJECT DEVELOPER
 3425 BUNNELL DRIVE, SUITE 200
 NORTH LAS VEGAS, NEVADA 89121
 PH: (702) 597-2988
 FAX: (702) 597-0309

TITLE: ONE BODY IN CHRIST CHURCH
 5367 JAY AVENUE

SHEET: UTILITY/STREET LIGHT PLAN

DRAWN BY: JAL/OL
 DESIGNED BY: JAL/OL
 CHECKED BY: JAL/OL
 PROJECT NO: 107-V-3555
 FILE NAME: UT-1001

SCALE: HORIZONTAL: 1"=30'
 VERTICAL: NA

SHEET: C2
 2 OF 6 SHEETS
 PROJECT NO: 107-V-3555