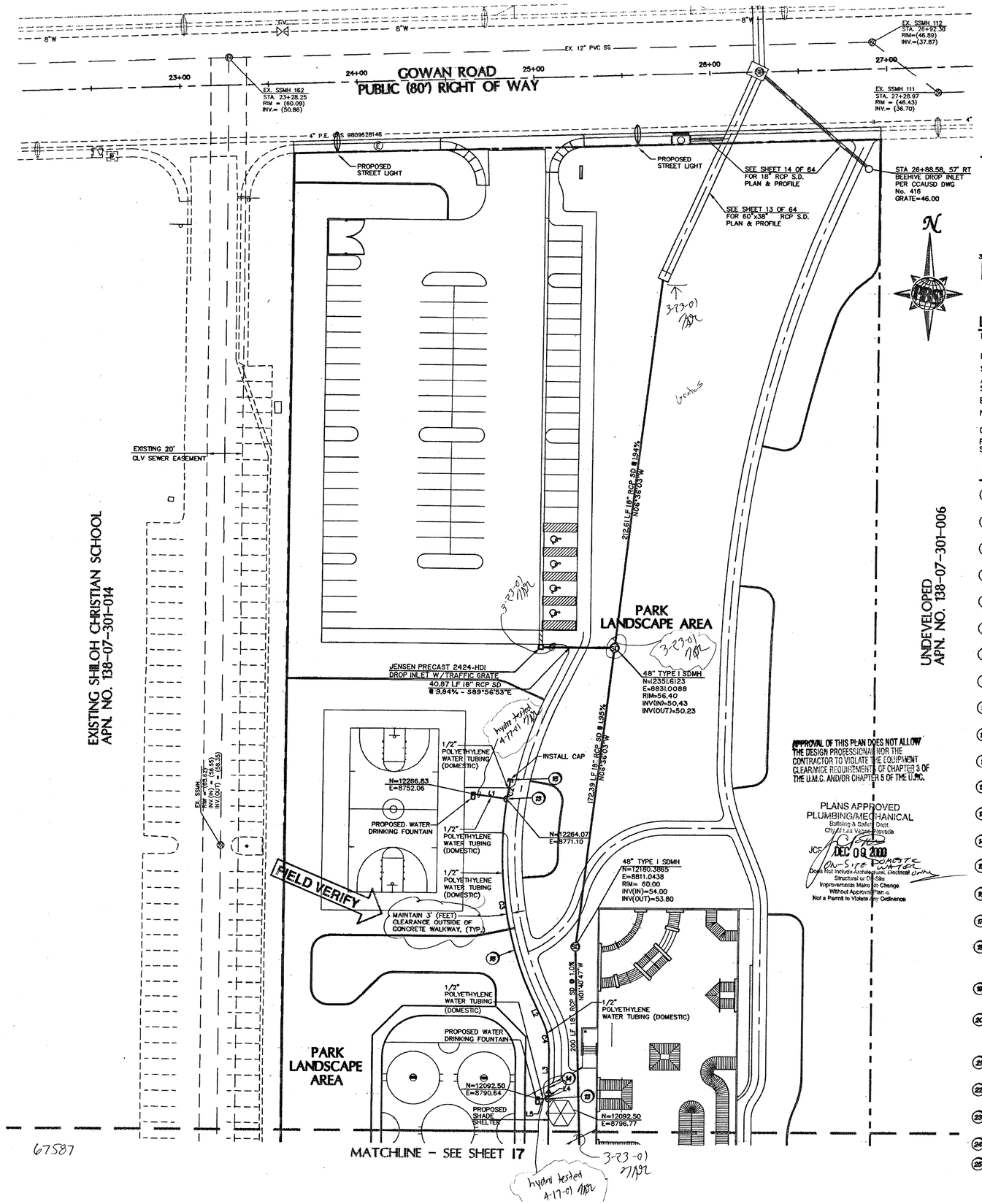


APPROVAL OF THIS PLAN DOES NOT ALLOW THE DESIGN PROFESSIONAL NOR THE CONTRACTOR TO VIOLATE THE EQUIPMENT CLEARANCE REQUIREMENTS OF CHAPTER 3 OF THE U.M.C. AND/OR CHAPTER 5 OF THE U.M.C.

PLANS APPROVED
PLUMBING/MECHANICAL
Building & Safety Dept.
City of Las Vegas, Nevada
JCF DEC 09 2000
ON-SITE DOMESTIC WATER
Does Not Include Architectural, Electrical or Structural or Off-Site Improvements Making No Change Without Approved Plan or Not a Permit to Violate any Ordinance

LINE TABLES

LINE	BEARING	DISTANCE
L1	N81°44'13"W	19.24'
L2	N25°38'55"W	8.49'
L3	S00°00'00"W	23.46'
L4	N00°00'00"E	4.64'
L5	N90°00'00"W	6.12'

CURVE TABLES

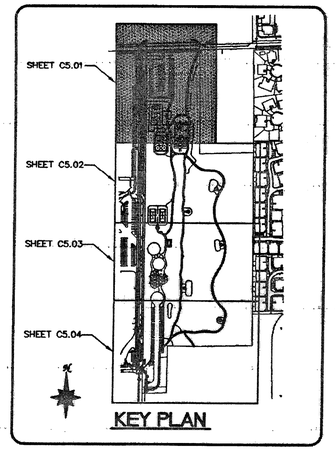
CURVE	RADIUS	DELTA	LENGTH	TANGENT
C2	207.00'	03°14'18"	11.70'	5.85'
C3	207.00'	33°54'42"	122.52'	63.11'
C4	38.00'	25°38'55"	17.01'	8.65'

NOTE:
ALL ON-SITE UTILITIES ARE PRIVATELY OWNED AND MAINTAINED (WATER & SEWER)

NOTE:
CONTRACTOR TO VERIFY UTILITY STUB LOCATIONS AND SIZE WITH PLUMBING PLANS PRIOR TO INSTALLATION OF NEW UTILITIES.

NOTE:
ALL PRIVATE ON-SITE (DOMESTIC POTABLE) POLYETHENE WATER TUBING SHALL BE INSTALLED WITH 30" MIN. OF GROUND COVER AS MEASURED FROM THE PROPOSED GRADE ELEVATION

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



LAS VEGAS FIRE DEPARTMENT

FIRE FLOW IS: 1500 GPM AT 20 PSI RESIDUAL PRESSURE

BASED ON:

SQUARE FOOTAGE:	287 SF	V-N BLDG. CONSTRUCTION
AREA BETWEEN 4-HR SEPARATION WALLS:	NONE	
BUILDING HEIGHT	16 FT	
NUMBER OF STORIES:	ONE	
OCCUPANCY:	2.5 PERSONS	
FULL AUTOMATIC FIRE SYSTEM:	NONE	

WATER NOTES

1. INSTALL A 8" MECHANICAL JOINT TAPPING TEE WITH A 8" TAPPING VALVE PER U.D.A.C.S. STD. PLATE NO. 22.
2. INSTALL A 8" D.C.D.A. PER U.D.A.C.S. STD. PLATE NO. 20B.
3. INSTALL A 6" x 8" INCREASER.
4. INSTALL A 8" 90° BEND PER U.D.A.C.S. PLATE NO. 5.
5. INSTALL A 8" x 6" REDUCER.
6. INSTALL A 6" GATE VALVE PER U.D.A.C.S. STD. PLATE NO. 3.
7. INSTALL A 6" FIRE HYDRANT ASSEMBLY PER U.D.A.C.S. STD. PLATE NO. 7.
8. INSTALL A 4" TURBINE METER PER U.D.A.C.S. STD. PLATE NO. 18A.
9. INSTALL A 2" METER PER U.D.A.C.S. STD. PLATE 1D.
10. INSTALL A 2" R.P.P.A. PER U.D.A.C.S. STD. PLATE NO. 11A.
11. INSTALL A 4" R.P.P.A. PER U.D.A.C.S. STD. PLATE NO. 11B.
12. INSTALL A 2" x 2-1/2" INCREASER.
13. INSTALL A 2-1/2" x 1/2" TEE WITH A 1/2" IN LINE GATE VALVE.
14. INSTALL A 2-1/2" x 1/2" REDUCER.
15. INSTALL CAP.
16. INSTALL WATERLINE DETECTOR TAPE ABOVE THE DOMESTIC WATER LINE.
17. INSTALL A 2-1/2" x 2" TEE WITH A 2" INLINE GATE VALVE.
18. SAW CUT AND REMOVE EXISTING AC PAVING SECTION FOR UTILITY SERVICE INSTALLATION. REPAIR AREA WITH A MACHINE LAID AC PAVEMENT PATCH. PATCH TO MATCH THE EXISTING STRUCTURAL PAVEMENT SECTION OF CONQUISTADOR STREET.
19. REMOVE EXISTING CONCRETE CURB AND SIDEWALK AS REQUIRED FOR UTILITY LINE INSTALLATION. REPLACE REMOVED CURBING WITH NEW CONCRETE CURB GUTTER PER C.C.A.U.S.D. NO. 216.
20. REMOVE CONCRETE SIDEWALK SPANDREL (NOTE, NO PARTIAL SPANDREL REMOVAL WILL BE ALLOWED) AS NECESSARY FOR UTILITY LINE INSTALLATION. INSTALL NEW CONCRETE SIDEWALK SPANDRELS PER C.C.A.U.S.D. NO. 234.
21. SEE MECHANICAL, RESTROOM PLUMBING PLANS FOR CONTINUATION.
22. INSTALL A 2" TYPE K SERVICE LATERAL WITH CORPORATION STOP AND 2" SERVICE SADDLE PER U.D.A.C.S. STD. PLATE NO. 1D.
23. INSTALL A 6" MECHANICAL JOINT TAPPING TEE WITH A 6" TAPPING VALVE PER U.D.A.C.S. STD. PLATE NO. 22.
24. INSTALL A 6" X 4" REDUCER.
25. 25' X 25' L.V.V.W.D. EASEMENT.

BASIS OF BEARING

SOUTH 00°32'19 EAST - BEING THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 7, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN BY A MAP THEROF IN FILE 91 OF SURVEYS, PAGE 29 OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

NOTES:

1. WATER LINES TO HAVE THRUST BLOCKS CONSTRUCTED PER UDS PLATE NO. 5. THRUST BLOCKS TO BE LOCATED AT ALL ANGLE FITTINGS (BENDS), TEE'S & FIRE HYDRANTS. ANCHOR BLOCKS TO BE CONSTRUCTED PER UDACS PLATE NO. 3. ANCHOR BLOCKS TO BE LOCATED AT ALL IN-LINE REDUCERS AND GATE VALVES.
2. WET TAPS TO BE CONSTRUCTED IN CONFORMANCE WITH UDS PLATE NO. 22.
3. TRENCH BACKFILL FOR WATER LINES TO BE CONSTRUCTED PER UDS PLATE NO. 6B.
4. TRENCH BACKFILL FOR SEWER LINES TO BE CONSTRUCTED PER SWCS SD-16B.
5. CONTRACTOR TO LOCATE AND VERIFY SIZE, LINETYPE, CONDITION, DEPTH, PRESSURE, AND LOCATION OF ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA PRIOR TO CONSTRUCTION. THE CIVIL ENGINEER SHALL BE CONTACTED ONCE THE UTILITY LINE IS LOCATED.
6. THESE DRAWINGS MAY NOT INDICATE ALL EXISTING BURIED UTILITY LINES. CONTRACTOR IS TO EXERCISE GREAT CARE DURING EXCAVATION IN ORDER TO AVOID MAKING CONTACT WITH ANY EXISTING UTILITY LINES. IF UTILITY LINES ARE DAMAGED BY THE CONTRACTOR, SUCH DAMAGE SHALL BE REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.
7. CONTRACTOR TO SAWCUT AND REMOVE EXISTING ASPHALT AND CONCRETE AS NECESSARY FOR UTILITY TRENCHES, BACKFILL AND PATCH ALL TRENCHES AS INDICATED IN DETAILS AND /OR ACCORDING TO THE GOVERNING ENTITY (CITY OF LAS VEGAS).
8. CONTRACTOR/OWNER TO OBTAIN C.O.H. OFF-SITE IMPROVEMENT PERMIT FOR ALL WORK WITHIN PUBLIC RIGHT-OF-WAY.
9. THE FIRE SAFETY CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING THE SIZE OF PIPING THAT IS REQUIRED TO CONNECT FROM THE FIRE WATER LOOP TO THE FIRE SPRINKLER RISER. LINE SIZE SHOWN FOR INFORMATION PURPOSES ONLY.
10. CONTRACTOR TO VERIFY UTILITY STUB LOCATIONS AND SIZE WITH PLUMBING PLANS PRIOR TO INSTALLATION OF NEW UTILITIES.
11. ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE.
12. ONLY SEWER LINES AND LATERALS MAY BE INSTALLED IN TRENCHES EXCAVATED FOR SEWER LINES. SEE DCSWCS 2.2.18 (TYP.)
13. LATERALS SHALL NOT BE CONNECTED INTO STUBS EXTENDING FROM MH'S SERVICE LATERALS 8" OR SMALLER WILL NOT BE ALLOWED TO CONNECT INTO MH'S DCSWCS 2.2.19 (TYP.)
14. WATER AND SEWER SEPARATION OF TRENCHES MUST BE AT LEAST 10' MIN. (TYP.). SEE DCSWCS 2.2.21 "A1", DDACS 2.19.01 "A"
15. UTILITY EXHIBIT PROVIDED FOR INFORMATIONAL PURPOSES ONLY. ALL INFORMATION SHOWN HEREON IS REPRESENTATIVE OF LOCAL ENTITY RESEARCH AND COMPILATION OF EXISTING CONSTRUCTION DRAWINGS AND AS-BUILTS PROVIDED BY THE CLIENT/LOCAL ENTITY.
16. UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND UTILITY 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.
17. SEWER MANHOLE ELEVATIONS ARE BASED OFF DESIGN INFORMATION AND FOR REFERENCE ONLY. CONTRACTOR SHOULD TAKE CARE TO VERIFY ACTUAL BENCHMARK LOCATION AND FIELD ELEVATIONS TO AVOID DIFFERENCES IN DATUM, ETC.
18. ALL POLYETHYLENE PIPE SHALL BE WATER QUALITY.

CITY OF LAS VEGAS FIRE DEPARTMENT — DATE 11.30.00

LAS VEGAS VALLEY WATER DISTRICT — DATE 11-30-00

RECEIVED DEC - 7 2000 CITY OF LAS VEGAS CENTRAL PERMITS

RECORD DOCUMENT

Call before you Dig 1-800-227-2600

Call before you OVERHEAD 1-702-383-4111

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CITY OF LAS VEGAS
NEVADA

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CONSULTANT

PBSJ
ENGINEERING, PLANNING, SURVEYING
CONSTRUCTION SERVICES

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METRO PARK
3250 ACADEMY WAY
LAS VEGAS, NEVADA 89129

UTILITY PLAN

REGISTERED PROFESSIONAL ENGINEER STATE OF NEVADA
VERNON R. HARKINS
CIVIL

DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-5232
TDD: (702) 386-9108

PROJECT MANAGER
CLAIR M. LEWIS, ASLA

DRAWN	JOEY ANDERSON
FILE	1182-utl.DWG
DATE	11-17-00
SCALE	1"=30'
PROJECT	METRO PARK
SHT NO	16

C5.01
16 OF 64

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