

CITY OF LAS VEGAS FIRE DEPARTMENT NOTES

- ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT "HYDRANT SPECIFICATIONS", "HYDRANT INSTALLATION SPECIFICATIONS" AND ORDINANCE #3677.
- AUTORIZED HYDRANTS FOR THIS PROJECT ARE:
A. KEENEY OVERHEAD
B. MUELLER A-423 CENTURION
C. CLOK MOVAL 2545 MEDALION
- ON ANY NEW HOME OR BUILDING INSTALLATION, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE OCCUPANT CONSTRUCTION COMMENCES AND SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH AN ADEQUATE WATER SUPPLY.
- THE CONTRACTOR SHALL PLACE A BLUE REFERENCE MARKER AT THE CENTERLINE OF STREET ADJACENT TO FIRE HYDRANT AS REQUIRED IN ORDINANCE #3677 TO IDENTIFY FIRE HYDRANT LOCATIONS.
- CALL THE LAS VEGAS BUILDING DEPARTMENT AT 223-7071 FOR UNDERGROUND INSPECTION, PRESSURE AND FLUSH VERIFICATION OF ALL FIRE HYDRANTS AND FIRE LINES BEFORE COVERING.
- PAINTING OF THE CURBS AND HYDRANTS AND ANY WORK NECESSARY FOR PROTECTION OF HYDRANTS FROM PHYSICAL DAMAGE, PER ORDINANCE #3677, SHALL BE COMPLETED BEFORE APPROVAL BY THE CITY OF LAS VEGAS FIRE DEPARTMENT.
- A PERMIT IS REQUIRED FROM THE FIRE DEPARTMENT FOR ON-SITE WATER LINE AND FIRE HYDRANTS. THE PERMIT AND CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE ANY WORK BEGINS.
- A FLOW TEST MUST BE WITNESSED BY THE FIRE DEPARTMENT PRIOR TO OCCUPANCY FOR VERIFICATION OF REQUIRED ON-SITE WATER SUPPLY.
- ALL ON-SITE FIRE MAIN MATERIALS MUST BE U.L. LISTED AND A.W.W.A. APPROVED.
- FIRE HYDRANT SIZING:
RESIDENTIAL - 500 FEET UNSPRINKLERED, 600 FEET SPRINKLERED
COMMERCIAL, INCLUDING MULTI-FAMILY - 300 FEET UNSPRINKLERED, 400 SPRINKLERED
- NO FIRE HYDRANT SHALL BE LOCATED WITHIN THE REQUIRED RADIUS OF A CUL-DE-SAC OR WITHIN 20 FEET OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
- NO FIRE HYDRANT SHALL BE LOCATED WITHIN 6 FEET OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREET LIGHT OR ANY OTHER OBSTRUCTION.
- NOT MORE THAN 2 HYDRANTS CAN BE OUT OF SERVICE DUE TO A SINGLE MAIN BREAK.
- THE TURNING RADIUS FOR ANY FIRE APPARATUS ACCESS ROAD AND/OR FIRE LANE, PUBLIC OR PRIVATE, SHALL BE NOT LESS THAN 45 FEET OUTSIDE RADIUS AND 22 FEET INSIDE RADIUS.
- A FIRE APPARATUS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FEET FROM A FIRE DEPARTMENT VEHICLE ACCESS (SEE EXCEPTION IN UFC 91, SECTION 10.203).
- ALL DEAD END FIRE APPARATUS ACCESS ROADS AND/OR FIRE LANES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FEET IN LENGTH, SHALL BE PROVIDED WITH AN APPROVED TURN AROUND AREA (SEE ORDINANCE #3677).
- ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS GUIDELINES FOR AUTOMATIC EMERGENCY VEHICLE ACCESS GATES.

APPROVED

CITY OF LAS VEGAS FIRE MARSHALL

DATE

LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES

- NO WORK SHALL BE DONE UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVWD. FOLLOWING WATER PLAN APPROVAL, 48 HOUR NOTICE SHALL BE GIVEN TO THE LVWD OCCUPANCY SUPPORT CENTER (258-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 PM THE BUSINESS DAY PRIOR TO A LVWD INSPECTION.
- ALL WORK SHALL CONFORM TO THE LVWD'S STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
- ALL WORK, EXCEPT AS NOTED BY THESE PLANS OR BY NOTE 2, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENTS, CLARK COUNTY AREA.
- A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVWD.
- ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVWD APPROVED SERVICE SADDLES.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB OUTLETS.
- THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A 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:
1. POTABLE WATER SUPPLY QUALITY MATERIAL
2. ENCASEMENT, WITH FOUR (4) INCH CONCRETE (MINIMUM)
3. 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 TEN (10) FOOT DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.
- ARMING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX (6) INCH DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 27.
- ALL WATER FACILITIES SHALL BE FILLED, DISCONNECTED, PRESSURE TESTED, FLUSHED, FLEED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVWD'S DISTRIBUTION SYSTEM.
- THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVWD CENTRAL STORES. TELEPHONE 258-3152, FORTY-EIGHT (48) HOURS PRIOR TO PICKUP.
- CONSTRUCTION MAY INTERRUPT SERVICE, WITH LVWD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10 PM AND 6 AM, SUNDAY THROUGH THURSDAY. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEEDS BE INSTALLED, WITHOUT LVWD REQUIREMENT. ANY TEMPORARY SERVICE FEED MUST HAVE PRIOR LVWD APPROVAL.
- ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVWD'S PREAPPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

APPROVED

LAS VEGAS VALLEY WATER DISTRICT

DATE

REDUCED PRESSURE PRINCIPLE ASSEMBLY (2)

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) 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 LVWD.

NOTES

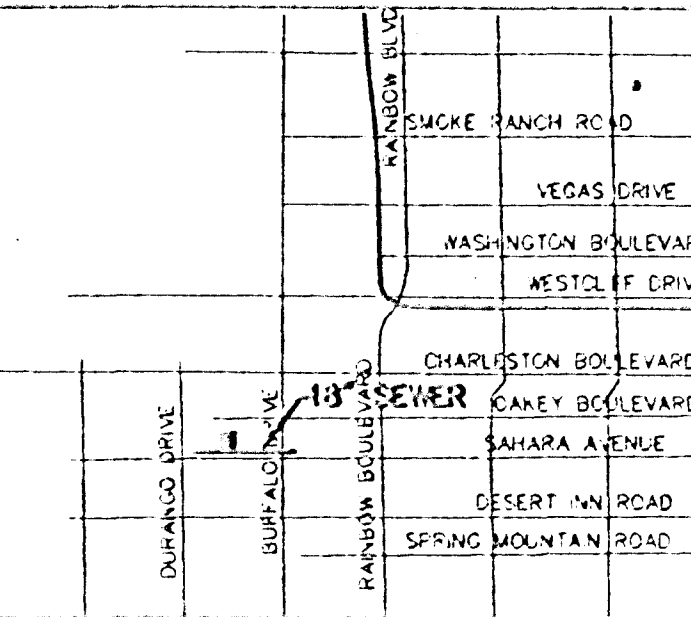
- CONTRACTOR TO TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND EXISTING IMPROVEMENTS TO REMAIN DURING CONSTRUCTION. ANY UTILITIES OR EXISTING IMPROVEMENTS DAMAGED BY THIS CONSTRUCTION WILL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER OR HIS ENGINEER.
- ADJUST ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY AS NECESSARY TO ACCOMMODATE CONSTRUCTION.

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.

UTILITY CONSTRUCTION NOTES

- INSTALL 2" DOMESTIC METER PER UDACS PLATE NO. 10 WITHIN LVWD EASEMENT.
- CONNECTION POINT FOR WATER SERVICE SEE ARCH. PLANS.
- CONNECTION POINT FOR SEWER SERVICE SEE ARCH. PLANS.
- CONNECTION POINT FOR FIRE SERVICE SEE ARCH. PLANS.
- INSTALL 2" WATER SERVICE SCH 40 PVC.
- TE TO EXISTING 6" SERVICE LINE.
- INSTALL 2" RPPA PER UDACS PLATE NO. 11A.
- INSTALL 6" FIRE SERVICE LINE. FIRE SERVICE CONTRACTOR TO VERIFY SIZE, LOCATION, AND TYPE OF PIPE.
- INSTALL 6" DOUBLE DETECTOR CHECK PER UDACS PLATE NO. 20B WITHIN LVWD EASEMENT.
- PROPOSED 10'x15' LVWD EASEMENT.
- CONSTRUCT FIRE HYDRANT PER "UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA" DRAWING NO. 516.
- CONSTRUCT 90° BEND.
- MAKE CONNECTION TO EXISTING 8" WATER LINE.
- INSTALL 8"x6" REDUCER.
- INSTALL 1" IRRIGATION SCH 40 PVC.

PROJECT SITE



GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft

CITY OF LAS VEGAS FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS 3250 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL
BASED ON:
SQUARE FOOTAGE 2,250 SF
LARGEST AREA BETWEEN AREA SEPARATION WALLS N/A
HEIGHT 17.0 FT
TYPE OF CONSTRUCTION V-N
EXPOSURES
SPRINKLER SYSTEM YES
OCCUPANCY B-2
ROOF CONSTRUCTION

ESTIMATE OF UTILITY QUANTITIES

WATER QUANTITIES			SEWER QUANTITIES		
ITEM	QTY	UNIT	ITEM	QTY	UNIT
2" WATER METER	1	EA	6" SEWER LINE	135	LF
2" RPPA	1	EA	6" CLEAN OUT	2	EA
2" WATER LINE	212	LF			
6" WATER LINE	120	LF			
FIRE HYDRANT ASSEMBLY	2	EA			
6" DCCA	1	EA			

LEGEND

FF	FINISHED FLOOR
TC	TOP OF CURB
FS	FINISHED SURFACE
FL	FLOW LINE
TW	TOP OF SIDEWALK
EX	EXISTING
(EX XXX)	EXISTING SPOT ELEVATION

PRELIMINARY
NOT FOR CONSTRUCTION

DATE: 12/5/1992

LOT B
NOT A PART

BENCHMARK

CITY OF LAS VEGAS BENCHMARK # LV10/ESSEL RIVET AND PLATE IN TOP OF CURB, N.A. RETURN OF SAHARA AVENUE AND DURANGO DRIVE, VEGAS BLVD. ELEVATION = 2662.615 FEET OR 811.567 METER, NAVD 1988 DATUM

BASIS OF BEARING

N 88°29'02" W BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 4, T. 21 S., R. 60 E., M.D.B. & M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN IN BOOK 60, PAGE 47 OF PLATS IN THE RECORDER'S OFFICE OF CLARK COUNTY, NEVADA.

OWNER/DEVELOPER

LAKES PACIFIC CONSTRUCTION COMPANY
2945 EAST SUNSET ROAD, SUITE 101
LAS VEGAS, NV 89120 456-4562

SAFETY ALERT
Call before you dig
593-6111
SAFE AND SURE

Call before you dig
1-800-227-2600
SAFE AND SURE

Z-128-89(6)

PC: 1/25/1993 ARB
PC: 3/2/1993 APP

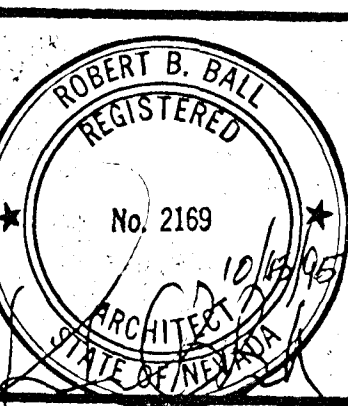
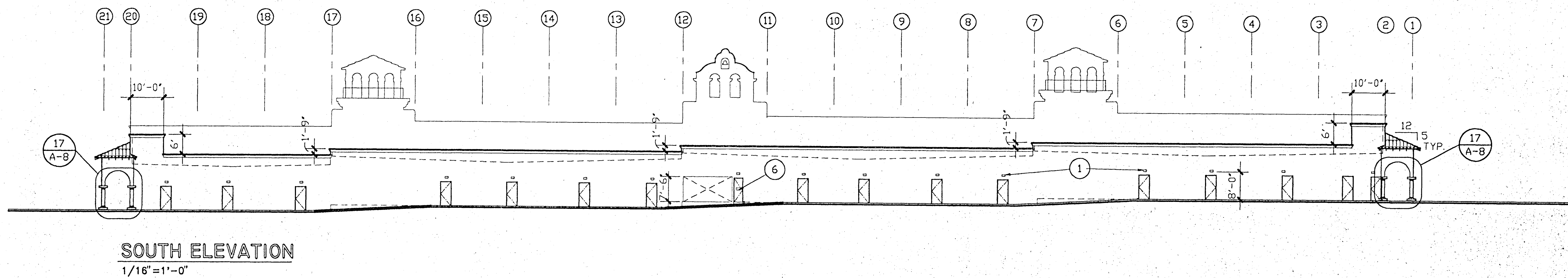
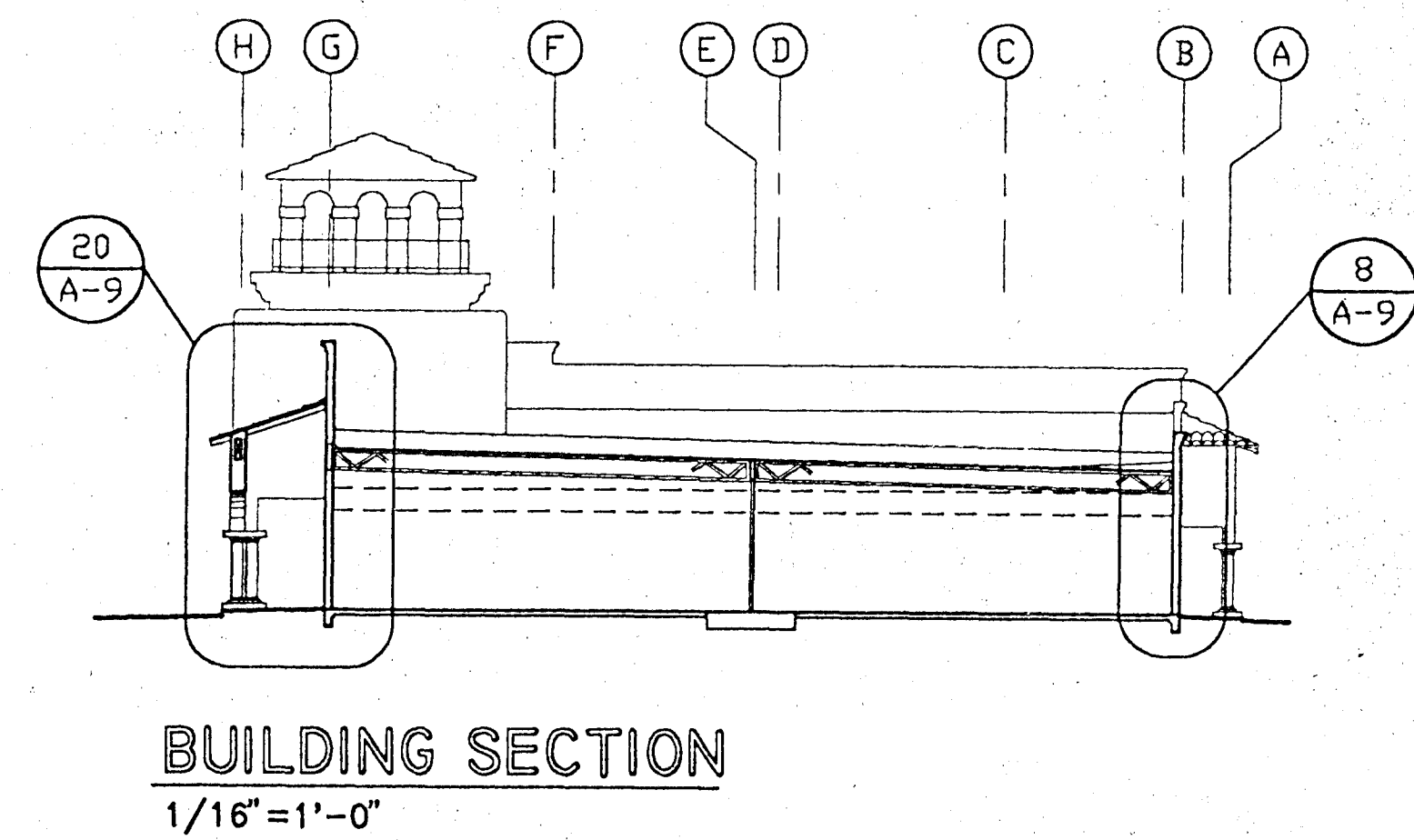
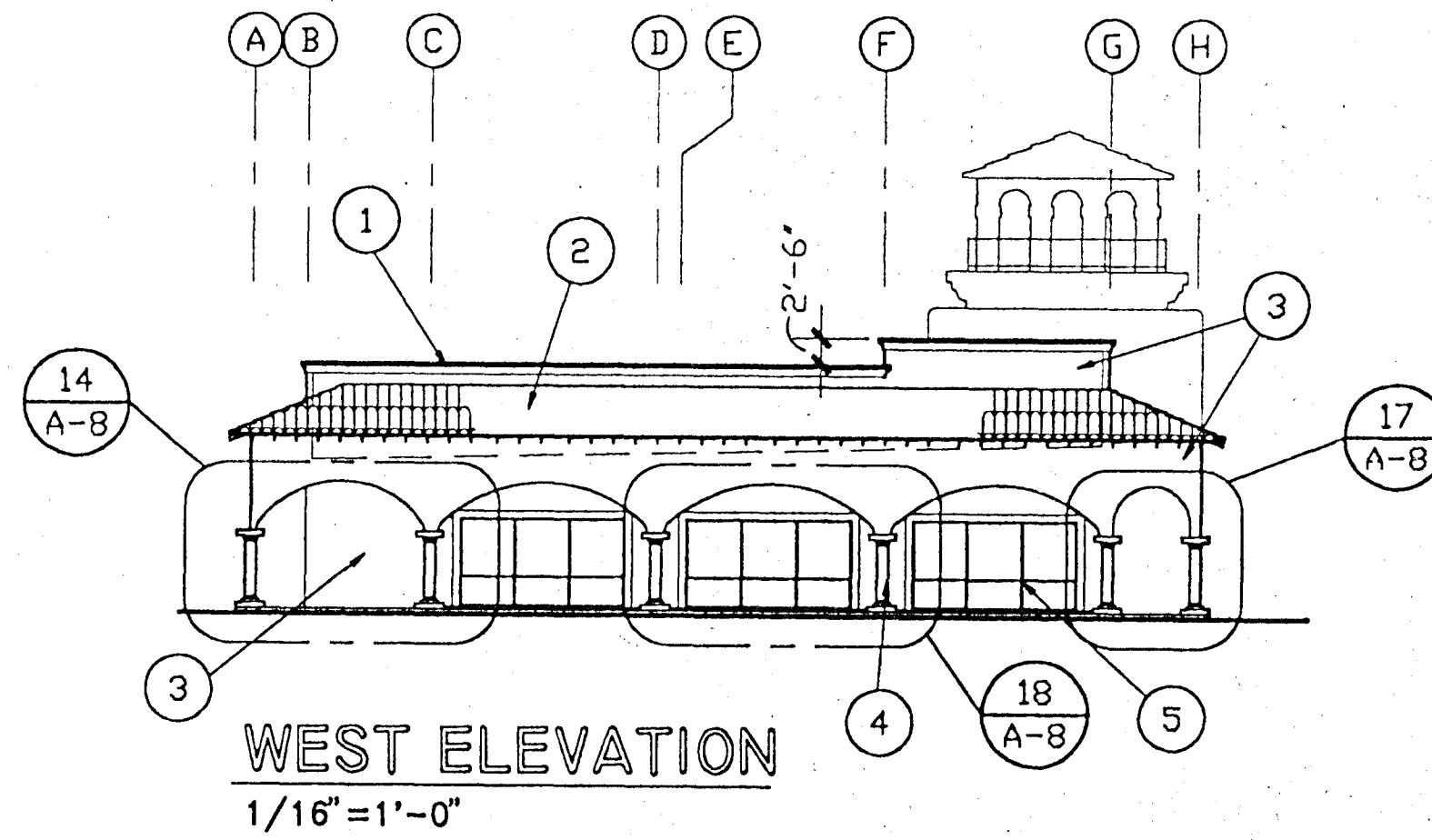
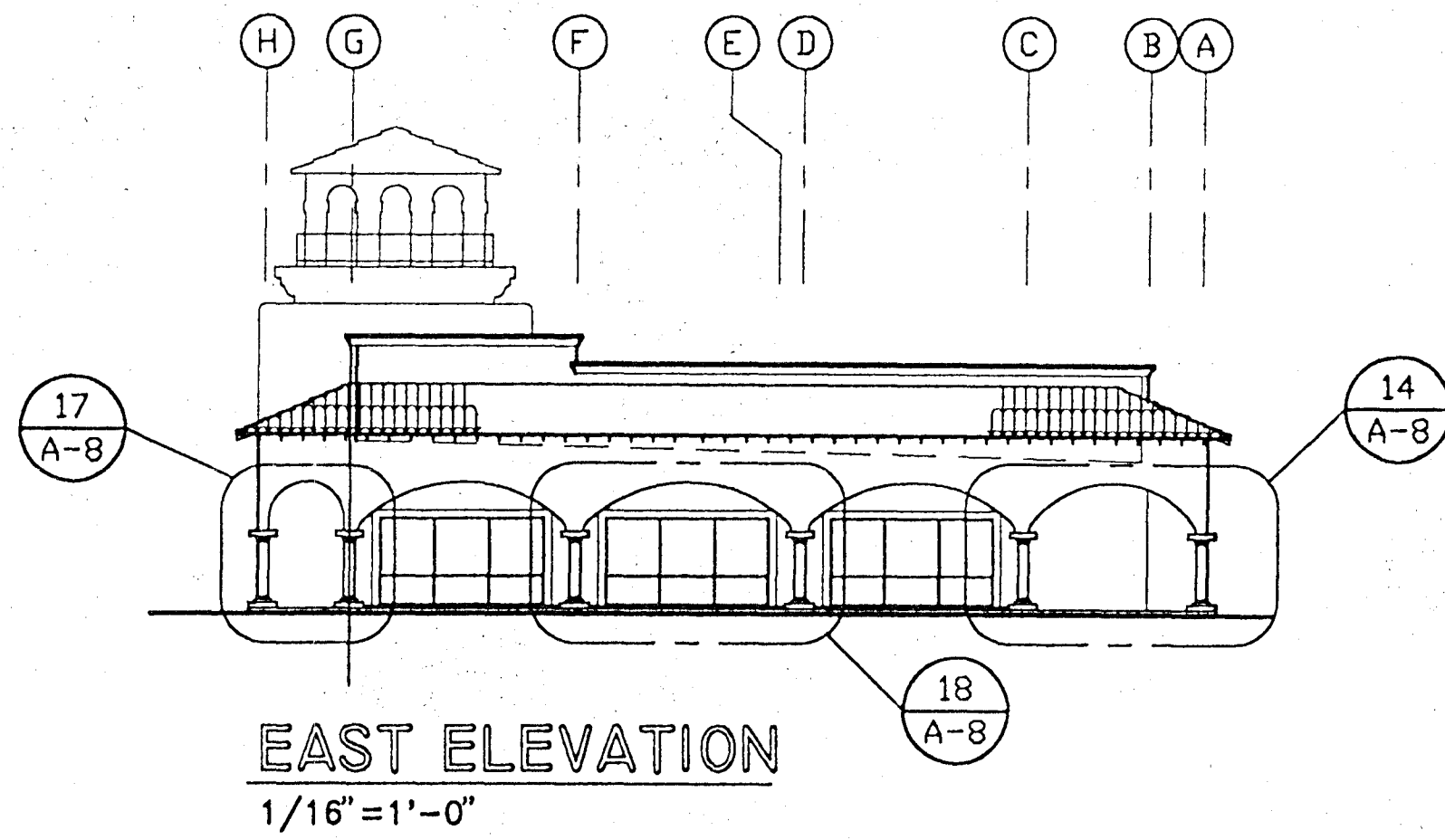
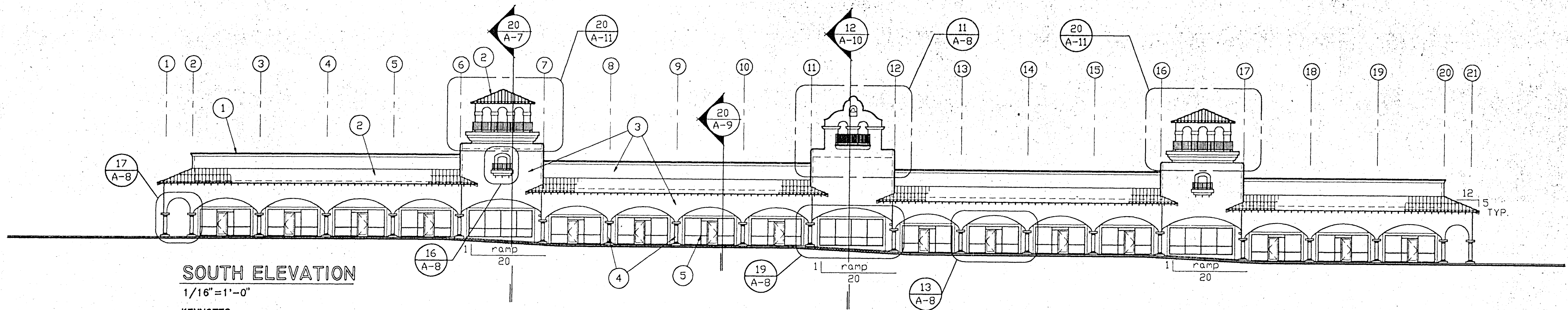
FOUND BRASS CAP IN
W. 1/16 CORNER SECTION 4
T. 21 S., R. 60 E., M.D.B. & M.

LAKES PACIFIC BUSINESS CENTER

UTILITY PLAN

2 OF 2

Z-128-89(6) 1/25/1993



ROBERT B. BALL,
ARCHITECT
2700 NORTH 3rd STREET, STE. 2010
PHOENIX, ARIZONA 85004
PH: (602) 269-8045

PACIFIC LAKES
BUSINESS CENTER
LAS VEGAS, NEVADA

ELEVATIONS
SECTION
1/16"=1'-0"

JOB NUMBER
1994
DRAWING DATE
10/10/95
REVISIONS

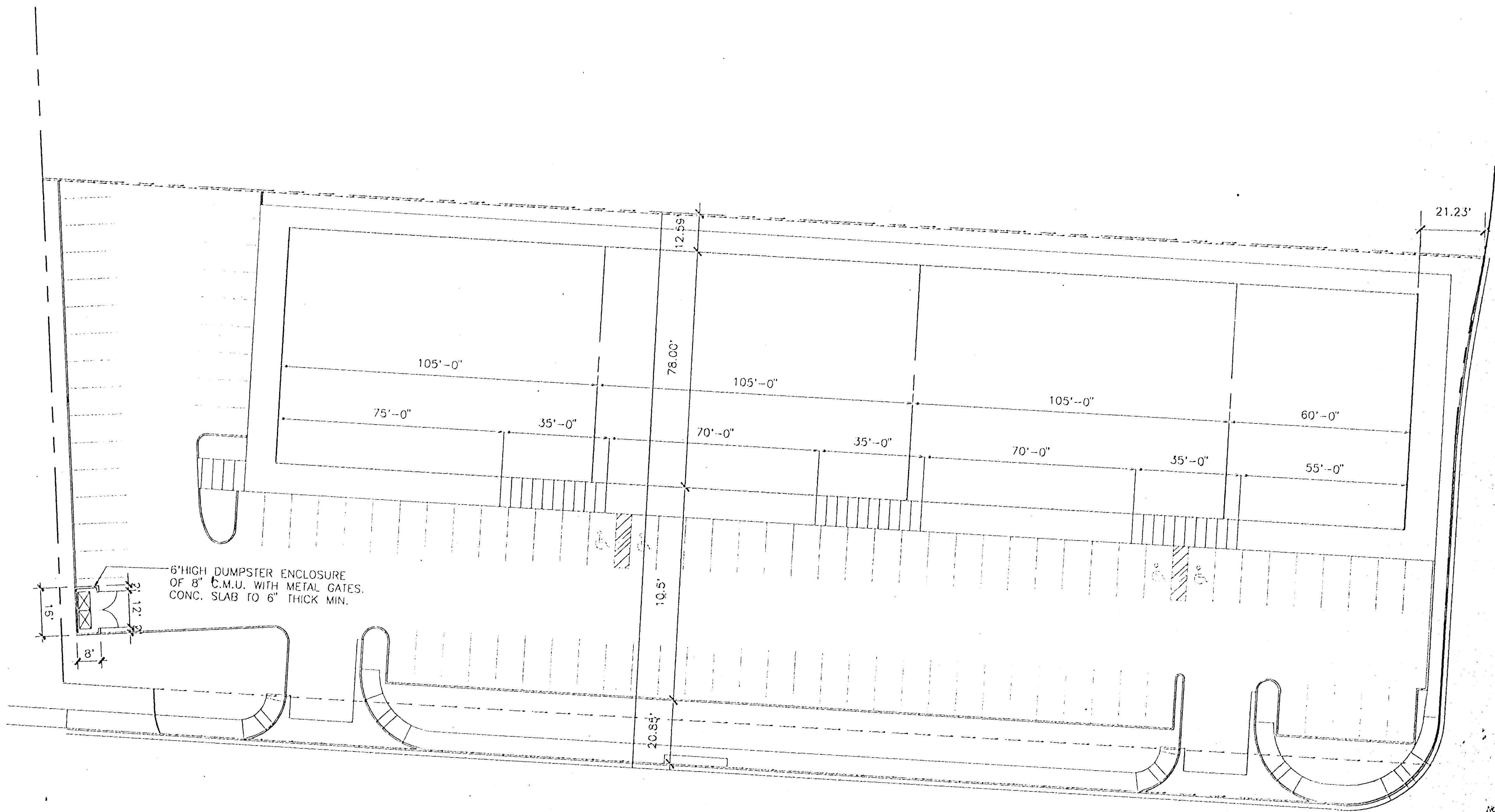
SHEET NUMBER
A-6

CONSTRUCTION DATA

OCCUPANCY (MIXED) --- GROUP B & GROUP M
CONSTRUCTION TYPE --- V-N WITH AUTOMATIC FIRE EXTINGUISHING SPRINKLERS
ALLOWABLE AREA --- 8,000 S.F. + 2 SIDES @ 2-1/2% x 20' = 50 %
ONE STORY BUILDING OR 12,000 S.F. x 3 (AUTOMATIC SPRINKLER SYSTEM)
= 36,000 S.F. ALLOWABLE AREA
BUILDING AREA PROVIDED = 29,250 S.F.
NO SEPARATION REQUIRED FOR MIXED OCCUPANCY GROUP B AND GROUP M AS PER TABLE J-B, 1994 U.B.C.

SITE DATA

ZONING --- C-1
LOT AREA --- 80,160 S.F. NET
BUILDING AREA --- 29,250 S.F.
LOT COVERAGE --- 36%
PARKING PROVIDED --- 29,250 S.F. @ 295 S.F./CAR = 99 PARKING SPACES



1 SITE PLAN
SP-1
1" = 20'-0"



ROBERT B. BALL,
ARCHITECT

PACIFIC LAKES
BUSINESS CENTER

SITE PLAN

JOB NUMBER
1994
DRAWING
10/10/94
REVISION

STAFF
SHEET NUMBER
SP-1

PD JAN 25 '96

CITY OF LAS VEGAS FIRE DEPARTMENT NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT "HYDRANT SPECIFICATIONS", "HYDRANT INSTALLATION SPECIFICATIONS" AND ORDINANCE #2677.
2. AUTHORIZED HYDRANTS FOR THIS PROJECT ARE:
A. KENNEDY QUAD
B. MUELLER A-423 CENTURIAN
C. CLOW MODEL 2246 MEDALLION
3. ON ANY NEW HOME OR BUILDING INSTALLATION, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE COMPLETION OF CONSTRUCTION AND SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH AN ADEQUATE WATER SUPPLY.
4. THE CONTRACTOR SHALL PLACE A BLUE REFERENCE MARKER AT THE CENTERLINE OF STREET ADJACENT TO FIRE HYDRANT AS REQUIRED IN ORDINANCE #2677 TO IDENTIFY FIRE HYDRANT LOCATIONS.
5. CALL THE LAS VEGAS BUILDING DEPARTMENT AT 223-2071 FOR UNDERGROUND INSPECTION, PRESSURE AND FLUSH VERIFICATION OF ALL FIRE HYDRANTS AND FIRE LINES BEFORE COVERING.
6. PAINTING OF THE CURBS AND HYDRANTS AND ANY WORK NECESSARY FOR PROTECTION OF HYDRANTS FROM PHYSICAL DAMAGE, PER ORDINANCE #2677, SHALL BE COMPLETED BEFORE APPROVAL BY THE CITY OF LAS VEGAS FIRE DEPARTMENT.
7. A PERMIT IS REQUIRED FROM THE FIRE DEPARTMENT FOR ON-SITE WATER LINE AND FIRE HYDRANTS. THE PERMIT AND CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE ANY WORK BEGINNING.
8. A FLOW TEST MUST BE WITNESSED BY THE FIRE DEPARTMENT PRIOR TO OCCUPANCY FOR VERIFICATION OF REQUIRED ON-SITE WATER SUPPLY.
9. ALL ON-SITE FIRE MAIN MATERIALS MUST BE U.L. LISTED AND A.W.W.A. APPROVED.
10. FIRE HYDRANT SPACING:
RESIDENTIAL - 500 FEET UNSPRINKLERED, 600 FEET SPRINKLERED
COMMERCIAL, INCLUDING MULTI-FAMILY - 500 FEET UNSPRINKLERED, 400 SPRINKLERED
11. NO FIRE HYDRANT SHALL BE LOCATED WITHIN THE REQUIRED RADIUS OF A CUL-DE-SAC OR WITHIN 20 FEET OF THE PERIMETER OF THE RADIUS OF A CUL-DE-SAC.
12. NO FIRE HYDRANT SHALL BE LOCATED WITHIN 6 FEET OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREET LIGHT OR ANY OTHER OBSTRUCTION.
13. NOT MORE THAN 2 HYDRANTS CAN BE OUT OF SERVICE DUE TO A SINGLE MAIN BREAK.
14. THE TURNING RADIUS FOR ANY FIRE APPARATUS ACCESS ROAD AND/OR FIRE LANE, PUBLIC OR PRIVATE, SHALL BE NOT LESS THAN 45 FEET OUTSIDE RADIUS AND 22 FEET INSIDE RADIUS.
15. A FIRE APPARATUS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FEET FROM A FIRE DEPARTMENT VEHICLE ACCESS. (SEE EXCEPTION IN UPC 91, SECTION 10.203)
16. ALL DEAD END FIRE APPARATUS ACCESS ROADS AND/OR FIRE LANES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FEET IN LENGTH, SHALL BE PROVIDED WITH AN APPROVED TURN AROUND AREA. (SEE ORDINANCE #2677)
17. ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS GUIDELINES FOR AUTOMATIC EMERGENCY VEHICLE ACCESS GATES.

APPROVED

CITY OF LAS VEGAS FIRE MARSHAL

DATE

LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVWD. FOLLOWING WATER PLAN APPROVAL, 48 HOUR NOTICE SHALL BE GIVEN TO THE LVWD COMMUNICATIONS SUPPORT CENTER (258-7111) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 PM THE BUSINESS DAY PRIOR TO A LVWD INSPECTION.
2. ALL WORK SHALL CONFORM TO THE LVWD'S STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
3. ALL WORK, EXCEPT AS NOTED BY THESE PLANS OR BY NOTE 2, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (UNIFORM SPECIFICATIONS), CLARK COUNTY AREA.
4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVWD.
5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVWD APPROVED SERVICE SADDLES.
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB CUTTERS.
8. THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A 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 (MINIMUM)
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 TEN (10) FOOT DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.
B. WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX (6) INCH DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE No. 27.
C. ALL WATER FACILITIES SHALL BE FILLED, DISCONNECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVWD'S DISTRIBUTION SYSTEM.
11. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVWD CENTRAL STORES. TELEPHONE 258-3152, FORTY-THREE (43) HOURS PRIOR TO PICKUP.
12. CONSTRUCTION MAY INTERRUPT SERVICE, WITH LVWD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10 PM AND 6 AM SUNDAY THROUGH THURSDAY. (CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEES BE INSTALLED, WITHOUT LVWD REIMBURSEMENT. ANY TEMPORARY SERVICE FEE MUST HAVE PRIOR LVWD APPROVAL.)
13. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVWD'S PREAPPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

APPROVED

LAS VEGAS VALLEY WATER DISTRICT

DATE

REDUCED PRESSURE PRINCIPLE ASSEMBLY (2)

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) 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 LVWD.

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.

NOTES

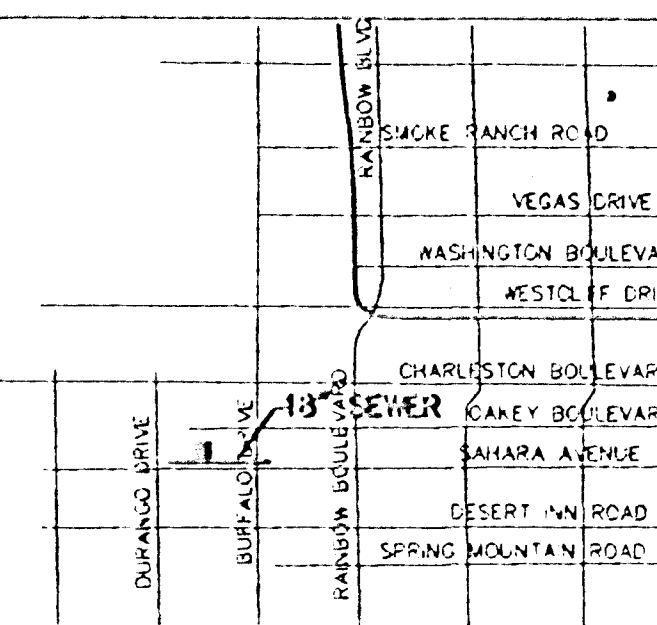
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2. ADJUST ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY AS NECESSARY TO ACCOMMODATE CONSTRUCTION.

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.

UTILITY CONSTRUCTION NOTES

1. INSTALL 2" DOMESTIC METER PER UDACS PLATE No. 10 WITHIN LVWD EASEMENT.
2. CONNECTION POINT FOR WATER SERVICE. SEE ARCH. PLANS.
3. CONNECTION POINT FOR SEWER SERVICE. SEE ARCH. PLANS.
4. CONNECTION POINT FOR FIRE SERVICE. SEE ARCH. PLANS.
5. INSTALL 2" WATER SERVICE SCH 40 PVC.
6. TIE TO EXISTING 6" SEWER LINE.
7. INSTALL 2" RPPA PER UDACS PLATE No. 11A.
8. INSTALL 6" FIRE SERVICE LINE. FIRE SERVICE CONTRACTOR TO VERIFY SIZE, LOCATION, AND TYPE OF PIPE.
9. INSTALL 6" DOUBLE DETECTOR CHECK PER UDACS PLATE No. 20B WITHIN LVWD EASEMENT.
10. PROPOSED 10'x15' LVWD EASEMENT.
11. CONSTRUCT PIPE HYDRANT PER "UNIFORM STANDARD DRAWINGS (CLARK COUNTY AREA)" DRAWING No. 516.
12. CONSTRUCT 90° BEND.
13. MAKE CONNECTION TO EXISTING 8" WATER LINE.
14. INSTALL 8"x6" REDUCER.
15. INSTALL 2" IRRIGATION SCH 40 PVC.

PROJECT SITE



GRAPHIC SCALE

(IN FEET)

1 INCH = 60 FEET

CITY OF LAS VEGAS FIRE DEPARTMENT

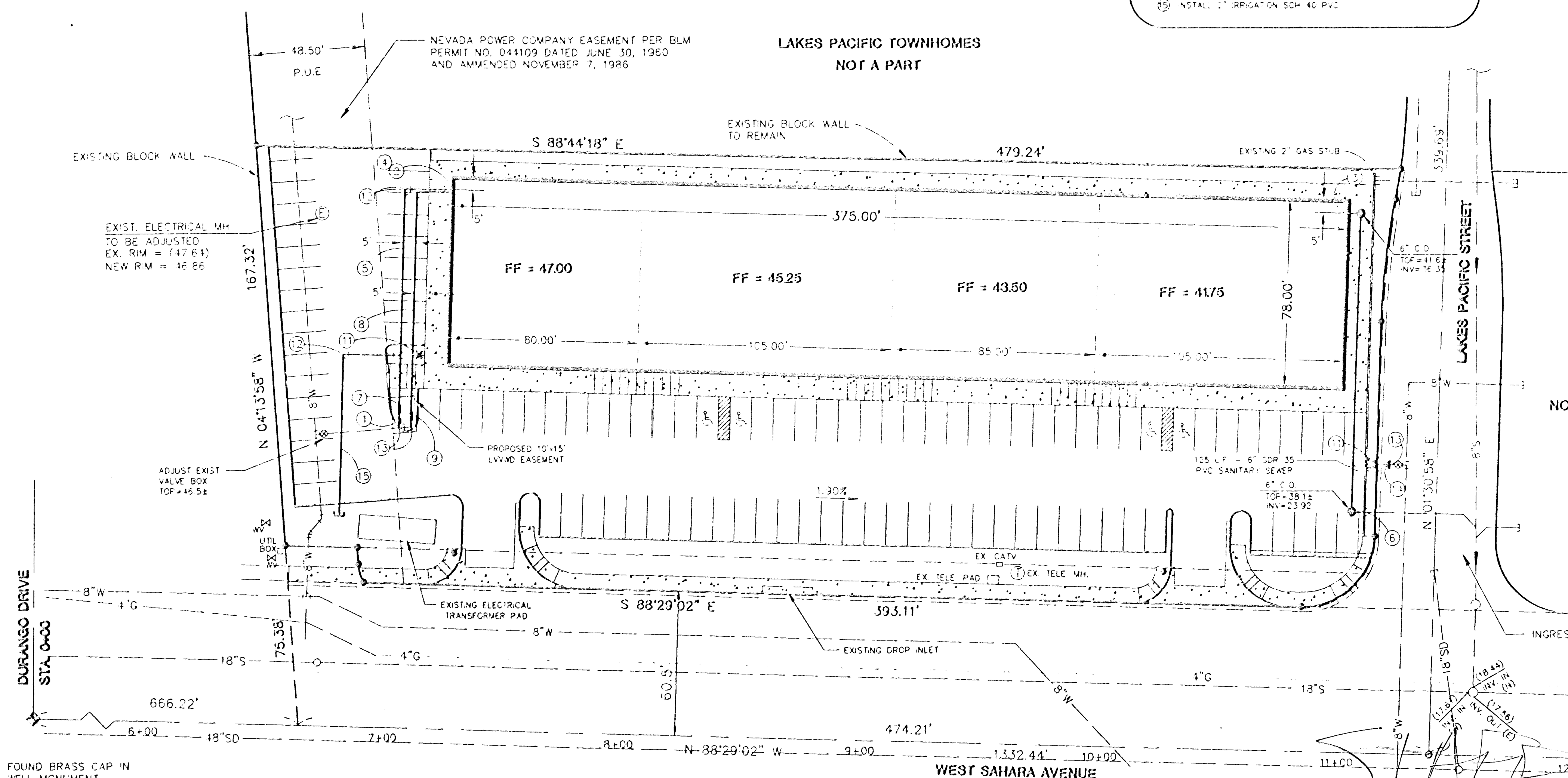
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SQUARE FOOTAGE 12,350 SF
LARGEST AREA BETWEEN AREA SEPARATION WALLS N/A
HEIGHT 17.0 FT
TYPE OF CONSTRUCTION V-N
EXPOSURES
SPRINKLER SYSTEM YES
OCCUPANCY B-2
ROOF CONSTRUCTION

ESTIMATE OF UTILITY QUANTITIES

WATER QUANTITIES			SEWER QUANTITIES		
ITEM	QTY	UNIT	ITEM	QTY	UNIT
2" WATER METER	1	EA	6" SEWER LINE	135	LF
2" RPPA	1	EA	6" CLEAN OUT	2	EA
2" WATER LINE	212	LF			
6" WATER LINE	120	LF			
FIRE HYDRANT ASSEMBLY	2	EA			
6" DECA	1	EA			

LEGEND

FF	FINISHED FLOOR
TC	TOP OF CURB
FS	FINISHED SURFACE
FL	FLOW LINE
TA	TOP OF SIDEWALK
EX	EXISTING
EX (XXX)	EXISTING SPOT ELEVATION



FOUND BRASS CAP IN WELL MONUMENT
S.W. CORNER SECTION 4
T.21S., R.60E., M.D.B. & M.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK - LVWD/DESIGNER RIVET AND PLATE IN TOP OF CURB, NW RETURN OF SAHARA AVENUE AND DURANGO DRIVE, VEGAS BLVD.
ELEVATION = 2662.615 FEET OR 811.567 METERS
NAVD 1988 DATUM

BASIS OF BEARING

N 88°29'02" W BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 4, T.21 S., R.60 E., M.D.B. & M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN IN BOOK 60, PAGE 47 OF PLATS IN THE RECORDER'S OFFICE OF CLARK COUNTY, NEVADA.

OWNER/DEVELOPER

PAN PACIFIC CONSTRUCTION COMPANY
2955 EAST SUNSET ROAD, SUITE 101
LAS VEGAS, NV 89120 156-1562

PRELIMINARY
NOT FOR CONSTRUCTION

DATE: 2 5 1975

SAFETY ALERT
Call before you Overhead
593-6111
(CLARK COUNTY AREA)

Call before you Dig
1-800-227-2600
(CLARK COUNTY AREA)

FOUND BRASS CAP
W. 1/16 CORNER SECTION 4
T.21S., R.60E., M.D.B. & M.

REVISIONS

No. Date

DESIGNED: RKL
DRAWN: RKL
CHECKED: DRE
JOB NO: 86-19889
SCALE: 1/8"=1'-0"
DATE: 1/25/75

Canter-Burgess
Consultants in Engineering, Architecture,
Planning and the Environment
Las Vegas, NV 89102, Suite 105
(702) 786-1007 Fax (702) 786-7056

LAKES PACIFIC BUSINESS CENTER

UTILITY PLAN

SHEET

2

2

2

2-128-89(6)
1/25 PC
Fax No. 456-8105
Vince

