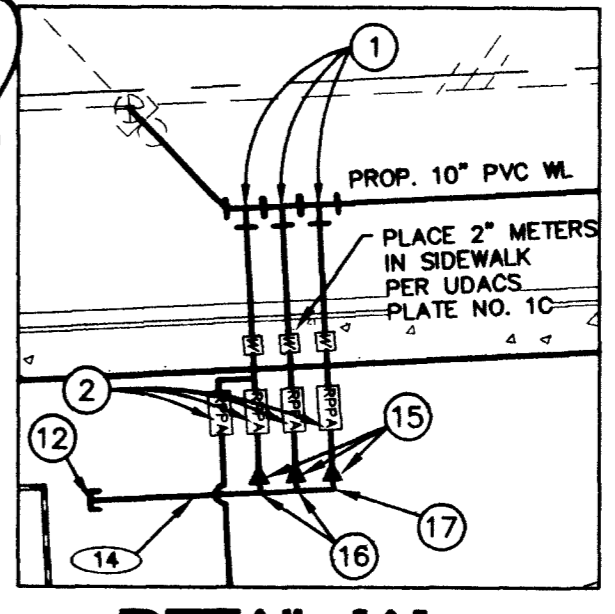


- SEWER CONSTRUCTION NOTES**
- 1 NOT USED
 - 2 INSTALL CLEAN-OUT
 - 3 INSTALL STANDARD 48" MANHOLE
 - 4 CONNECT TO EXISTING 12" SEWER
 - 5 SEE ARCHITECTURAL PLANS FOR CONTINUATION

- WATER CONSTRUCTION NOTES**
- DESCRIPTION
- 1 INSTALL 2" SERVICE PER UDACS PLATE No. 1C
 - 2 INSTALL 2" RPPA PER UDACS PLATE No. 11A
 - 3 LANDSCAPE IRRIGATION PUMP STATION--SEE LANDSCAPE PLANS
 - 4 INSTALL DRINKING FOUNTAIN AND SUMP PER DETAIL ON SHT. C16
 - 5 INSTALL 1" 90° PVC BEND
 - 6 INSTALL 2" 45° PVC BEND
 - 7 INSTALL 1" x 1" x 1" PVC TEE
 - 8 INSTALL 10" GATE VALVE
 - 9 REMOVE BLOW-OFF AND CONNECT TO EXISTING 10" LINE (FIELD VERIFY LOCATION)
 - 10 INSTALL 2" BLOW-OFF AND CAP PER UDACS PLATE No. 4
 - 11 FOR CROSSING USE C900 WATER QUALITY PIPES PER UDACS REQUIREMENTS OR OTHER APPROVED METHOD PER UDACS OR INSPECTOR
 - 12 SEE LANDSCAPE PLANS FOR CONTINUATION
 - 13 CONNECT PER DRINKING FOUNTAIN DETAIL ON SHEET 16
 - 14 INSTALL 2" x 1" PVC REDUCER
 - 15 INSTALL 2" x 6" PVC REDUCER
 - 16 INSTALL 6" x 6" x 6" PVC TEE
 - 17 INSTALL 6" 90° PVC BEND
 - 18 INSTALL 2" x 2" x 2" PVC TEE

SEWER TABLE

PIPE	DIA. (IN)	TYPE OF PIPE	LF	SLOPE (%)
1	12	PVC-SDR-35	309.20	0.20
2	12	PVC-SDR-35	199.51	0.20
3	12	PVC-SDR-35	162.19	0.20
4	6	PVC-SCH40	74.46	10.32
5	6	PVC-SCH40	74.46	1.00
6	6	PVC-SCH40	74.46	1.00
7	6	PVC-SCH40	53.06	1.00
8	6	PVC-SCH40	32.29	1.00
9	6	PVC-SCH40	21.99	5.00
10	12	PVC-SDR35	48.13	0.20
11	6	PVC-SCH40	49.73	1.00



WATER TABLE

PIPE NO.	SIZE (IN)	TYPE OF PIPE	LF
1	10	PVC-C900	14.61
2	10	PVC-C900	268.43
3	2	PVC-SCH40	45.00
4	1	PVC-SCH40	54.06
5	1	PVC-SCH40	54.76
6	2	PVC-SCH40	40.00
7	2	PVC-SCH40	38.91
8	2	PVC-SCH40	7.00
9	2	PVC-SCH40	51.41
10	1	PVC-SCH40	142.13
11	1	PVC-SCH40	49.79
12	1	PVC-SCH40	115.45
13	1	PVC-SCH40	131.75
14	6	PVC-SCH40	17.76

LEGEND

EXISTING	DESCRIPTION	PROPOSED
---	EASEMENT LINE	---
---	R/W PROPERTY LINE	---
---	CENTERLINE	---
---	PARK BOUNDARY LINE	---
---	CONTOURS	---
---	CONCRETE CURB	---
---	FINISH FLOOR ELEV.	FF= 22.1
---	PAD ELEVATION	(21.5)
---	DRAINAGE FLOW DIRECTION	1.00%
---	WALL	---
---	FENCE	N/A
---	A.C. PAVEMENT	---
---	CONC. WALK	---
---	PARK LIGHT	---
---	GAS LINE	---
---	WATER LINE	---
---	SEWER LINE	---
---	SEWER MANHOLE	---
---	FIRE HYDRANT	---
---	VALVE	---
---	WATER METER	---
---	RPPA/DCCA	---
---	EXPANSION JOINT	---
---	TRANSFORMER	---

FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS 1500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL.

BASED ON:

SQUARE FOOTAGE _____ 513.61 SF

LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS _____ N/A

HEIGHT _____ N/A

TYPE OF CONSTRUCTION _____ I

EXPOSURES _____ N/A

SPRINKLER SYSTEM _____ NO

OCCUPANCY _____ N/A

ROOF CONSTRUCTION _____ N/A

REVIEWED BY: _____

DATE: _____

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR NOR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

FIRE DEPARTMENT APPROVAL

APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LVVWD.

BENCHMARK:
 CLV 9LVD0 1S56E
 RIVET AND PLATE IN TOP OF CURB, NW CORNER
 ALEXANDER AVENUE AND THOM BOULEVARD
 NAVD 88 ELEVATION=678.5766 METERS; 2226.30 FEET.

BASIS OF BEARINGS:
 BEING THE EAST LINE OF SECTION 1, TOWNSHIP 20 SOUTH,
 RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY,
 NEVADA, ALSO BEING THE CENTERLINE OF DECATUR BOULEVARD
 AS SHOWN ON PARCEL MAP IN FILE 59, PAGE 34, OFFICIAL
 RECORDS, CLARK COUNTY, NEVADA,
 WHICH BEARS: NORTH 01°19'47" WEST.

UTILITY STATEMENT

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE ENGINEER MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN ON THESE PLANS COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF THE EXISTING UNDERGROUND UTILITIES IN THE FIELD PRIOR TO COMMENCING CONSTRUCTION.

CALL BEFORE YOU DIG: 1-800-227-2600

NOTE:
 THESE PLANS SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE GOVERNING AGENCIES.

SEWER CONTRIBUTION RATE

NUMBER OF ACRES=	8.08
AVG. DAILY FLOW PER ACRE=	2750 (GPD) 0.00275 (MGD)
TOTAL AVG. DAILY FLOW=	22220 (GPD) 0.0222 (MGD)
PEAK FACTOR = 3.4	X 3.4
TOTAL PEAK DAILY FLOW =	75548 (GPD) 0.0755 (MGD)

AVG. DAILY FLOW PER ACRE PROVIDED BY TIM PARKS OF THE CITY OF LAS VEGAS ON MARCH 29, 2002

ONLY UTILITIES DIVISION

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

Call before you Dig. 1-800-227-2600

Call before you Dig. 1-800-227-2600

CITY OF LAS VEGAS
 400 E. STEWART AVE.
 LAS VEGAS, NEVADA 89001
 702-228-8378

WLB Group

Engineering • Landscape Architecture • Surveying
 Planning • Urban Design • 2551 N. Green Valley Pkwy, Suite A425
 HENDERSON, NV 89014 (702) 458-2551

PROJECT: PARSON PARK

MASTER UTILITY PLAN

SHEET TITLE: _____

Drawn by: _____

Checked by: _____

Project No.: 401040-A-001

Scale: 1" = 40'

5-2-02

NOV 15 2002

SCOTT D. COO EY
 CIVIL
 No. 15259

SHIT C7
 C7 of C16
 DRAWING NO. 650.71