

SEWER CONTRIBUTION

25 FIXTURE UNITS x 0.45 ERU's/FIXTURES x 250 GPD/ERU = 2812.5 GPD
 2812.5 GPD = .0028 MGD
 .0028 MGD x 3.5 PEAK FACTOR = .0098 MGD PEAK

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENTS IS 3375 GALLONS PER MINUTE AT 20psi RESIDUAL PRESSURE.

BASED ON:

SQUARE FOOTAGE: 63,588 square feet

TARGETS AREA BETWEEN 4 HOUR
 AREA SEPARATION WALLS: 31,794 square feet

BUILDING HEIGHT: 37 feet

NUMBER OF STORIES 2 floors

TYPE OF CONSTRUCTION: VN

OCCUPANCY: 13/53

FULLAUTOMATIC FIRE SPRINKLER SYSTEM: YES NO

REVIEWED BY: *[Signature]* DATE: 4.7.00
 LAS VEGAS FIRE DEPT.

UTILITY NOTES

- 1 REMOVE EXISTING CAP AND CONNECT TO EXISTING 8" WATER W/ 8" X 10" INCREASER.
 - 2 CONTRACTORS SHALL VERIFY EXISTING LATERAL LOCATIONS AND INVERT ELEVATION ON PLAN AND NOTIFY THE ENGINEER OF ANY DEVIATIONS PRIOR TO CONSTRUCTIONS. ANY WORK DONE PRIOR TO THIS VERIFICATION SHALL BE THE CONTRACTORS' RESPONSIBILITY AND COST.
 - 3 INSTALL 2" SERVICE SADDLE AND CORPORATION STOP.
 - 4 INSTALL 2" WATER METER PER UDACS PLATE 1D
 - 5 INSTALL 2" R.P.P.A. PER UDACS PLATE 11A.
 - 6 INSTALL 90° BEND. USGCCA #512, SEE PLAN FOR EXACT SIZE.
 - 7 INSTALL 45° BEND. USGCCA #512, SEE PLAN FOR EXACT SIZE.
 - 8 PROVIDE 2" STUB WIT 2" GATE VALVE FOR IRRIGATION
 - 9 ~~INSTALL DUAL 10" P.C.D.A. PER UDACS PLATE 20B 4 DETAIL B ON ENT CL~~
 - 10 INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE 1G
 - 11 REMOVE EXISTING CAP AND JOIN EXISTING SEWER.
 - 12 INSTALL 2" x 3" REDUCER. USGCCA #513.
- GENERAL NOTE: ALL UTILITY LINES SHALL BE BACKFILLED AND COMPACTED PER CLARK COUNTY PUBLIC WORKS STANDARD DRAWINGS # 405 & 406.
- 13 ~~INSTALL 10" x 10" x 6" TEE PER USGCCA #512~~

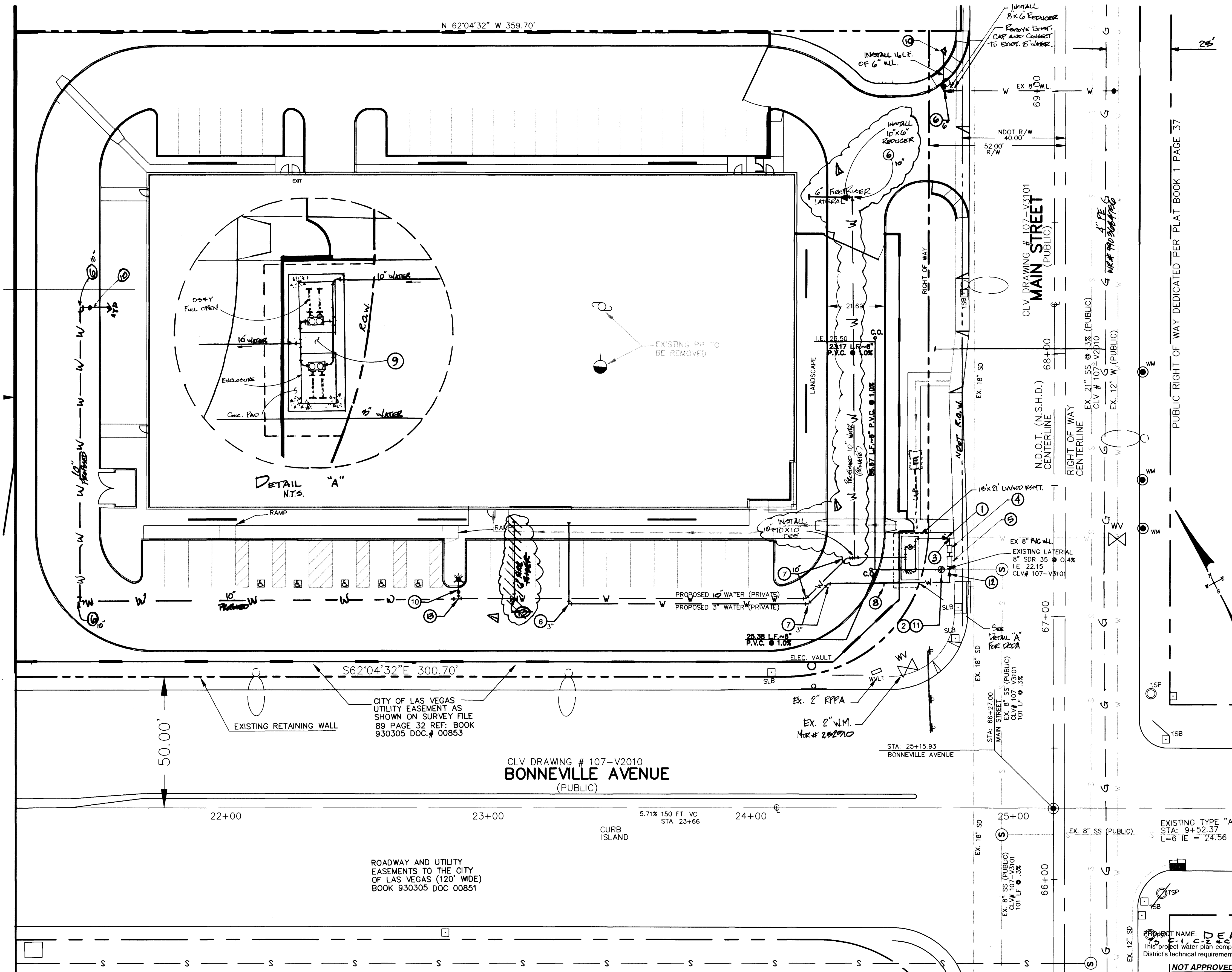
INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY (2) 10"
 The double check detector assemblies shall be installed in accordance with the UDACS Plate 20B.
 Any block wall or other fence material shall be designed and constructed around the outside of the easement(s), so as to allow the District direct access from the adjacent right-of-way.

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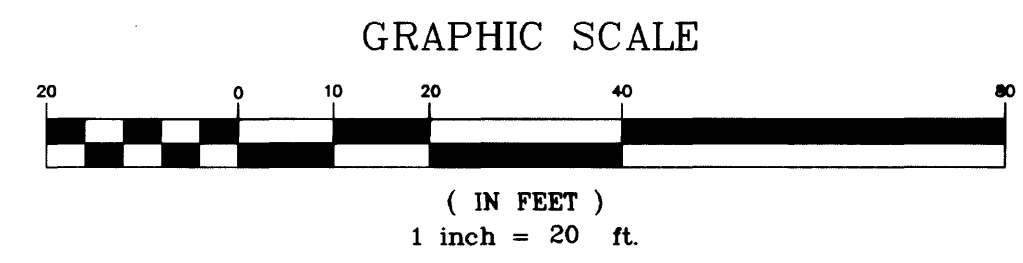
REDUCED PRESSURE PRINCIPLE ASSEMBLY 2"

Approved Reduced Pressure Principle Assembly shall be installed per the UDACS Plate 11A. No water shall be taken from a service requiring backflow prevention until the reduced pressure principle assembly has been successfully tested by the LVVWD.

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.



CLV DRAWING # 107-V2010
BONNEVILLE AVENUE
 (PUBLIC)



BENCHMARK
 BEING BM No. CLVBM 6C01 34SW6
 ELEVATION = 2,027.25 FEET (NAVD 88)
 617.906 METERS

BASIS OF BEARINGS

NORTH 27°55'16" EAST BEING THE EASTERLY RIGHT OF WAY LINE OF THE UNION PACIFIC RAILROAD AS SHOWN ON RECORD OF SURVEY, FILE 89, PAGE 32, CLARK COUNTY OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

RIVET AND SQUARE ALUMINUM PLATE IN CONCRETE BASE OF A STREET LIGHT POLE EAST SIDE OF MAIN STREET AND 200 +/- FT. SOUTHWEST OF BONNEVILLE AVENUE

APPROVED FOR CONSTRUCTION
[Signature]
 DATE: 5.20.00
 LAS VEGAS VALLEY WATER DISTRICT



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

CTE NEVADA, INC.		CTE NEVADA, INC.	
4560 S. VALLEY VIEW, SUITE A-3, LAS VEGAS, NV 89103		4560 S. VALLEY VIEW, SUITE A-3, LAS VEGAS, NV 89103	
PHONE (702) 795-2278		FAX (702) 795-4485	
DRAWN BY: M. NORRIS	DESIGNED BY: M. NORRIS	CHECKED BY: R. BALLARD	PROJECT NO: 80-0379
DATE: 4/18/00	DATE: 4/18/00	DATE: 4/18/00	SCALE: 1" = 20' HORIZ 1" = 4' VERT
SHEET 3		SHEET 3	
3 OF 6 SHEETS		drawing number 107-V 3160	