

LAS VEGAS VALLEY WATER DISTRICT NOTES

- NO WORK SHALL BEGIN ON THE WATER PLANS UNTIL THEY HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING APPROVAL OF THE PLANS, NOTICE SHALL BE GIVEN TO THE LVVWD CUSTOMER SERVICE DEPARTMENT (875-4194) 48 HOURS PRIOR TO ACTUAL CONSTRUCTION AND 24 HOURS PRIOR TO AN INSPECTION.
- CALL BEFORE YOU DIG 1-800-227-2600.
- ALL WORK SHALL CONFORM TO LVVWD LATEST STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS.
- ALL WORK, EXCEPT AS MODIFIED HEREON OR BY NOTE 3, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR ADDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA.
- DISTRICT APPROVED SERVICE SADDLES OR TAPPED COLLARS SHALL BE REQUIRED ON ALL 2 1/2" AND 1" SERVICE LATERALS. SERVICE SADDLES ONLY SHALL BE PERMITTED ON 1-1/2" AND 2" SERVICE LATERALS. DOUBLE TAPPED COLLARS ARE NOT PERMITTED.
- COPPER SERVICE LATERALS: ALL 3/4" TO 1" SERVICE LATERALS SHALL BE OF COPPER TUBING IN ACCORDANCE WITH THE DISTRICT'S SPECIFICATIONS AND STANDARD PLATES.
- THE MAXIMUM ALLOWABLE JOINT DEFLECTION FOR ACP AND DUCTILE IRON PIPE SHALL BE AS FOLLOWS:

PIPE SIZE	AGE	DUCTILE IRON	DUCTILE IRON
8 INCH	2.5 DEGREES	2.5 DEGREES	2.5 DEGREES
10 INCH	2.5 DEGREES	2.5 DEGREES	2.5 DEGREES
14 INCH	2.0 DEGREES	1.5 DEGREES	1.5 DEGREES
18-24 INCH	N/A	1.5 DEGREES	1.5 DEGREES
- ON PVC PIPE, THE MAXIMUM OFFSET FOR A 20' LENGTH OF FACTORY BELLED PIPE SHALL BE 15 INCHES FOR 6" PIPE, 12 INCHES FOR 8" PIPE, AND 9 INCHES FOR 10" AND 12" PIPE.
- IF THESE OFFSETS CONFLICT WITH THE PIPE MANUFACTURER'S RECOMMENDATION, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS AND VALLEY CUTTERS.
- DETECTOR TAPE SHALL BE REQUIRED IN ACCORDANCE WITH STANDARD PLATE NO. 27 WHERE INDICATED, AND AS FOLLOWS:
 - OVER ALL MAINS NOT INSTALLED 4 FEET FROM BACK OF CURB
 - OVER ALL SERVICE LATERALS NOT INSTALLED AT RIGHT ANGLES TO MAIN
- ALL WATER MAINS SHALL BE PRESSURE TESTED AT 200 PSI FOR A CONTINUOUS TWO HOUR PERIOD, IN ACCORDANCE WITH DISTRICT STANDARDS.
- ALL WATER MAINS SHALL BE DISINFECTED, FLUSHED AND AN ACCEPTABLE HEALTH SAMPLE OBTAINED PRIOR TO THE CONNECTION OF THE WATER MAIN(S) AND/OR LATERAL(S) TO THE DISTRICT'S SYSTEM.
- CONTRACTOR TO OBTAIN ALL METERS 2" AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 FORTY-EIGHT (48) HOURS PRIOR TO PICKUP.

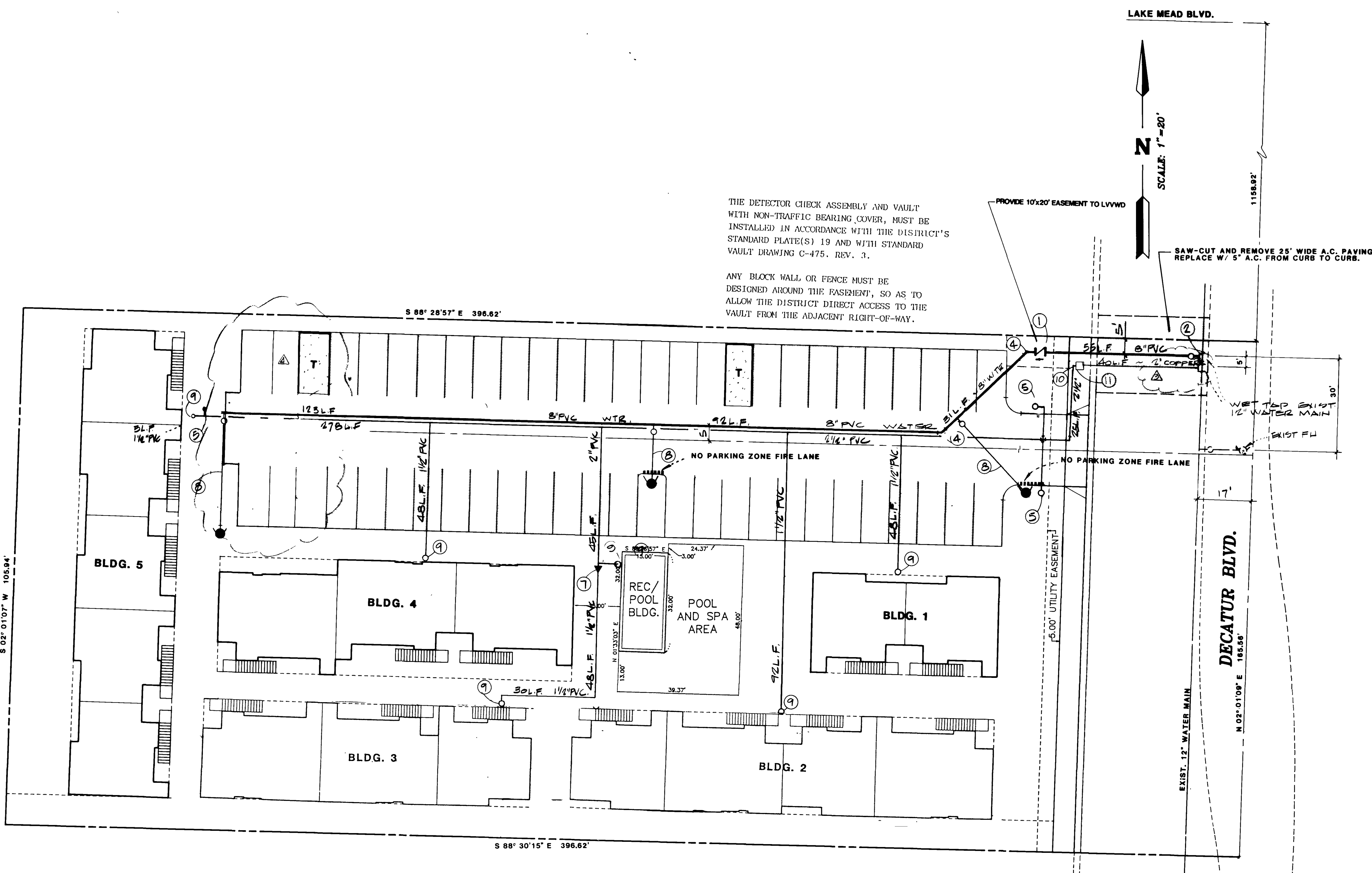
CITY OF LAS VEGAS FIRE DEPARTMENT NOTES

- ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT "HYDRANT SPECIFICATIONS", "HYDRANT INSTALLATION SPECIFICATIONS" AND ORDINANCE #3545.
- AUTHORIZED HYDRANTS FOR THIS PROJECT ARE:
 - KENNETH QUINN
 - MUELLER A-423 CENTURIAN
 - CLOW MODEL 2544 METALWELD
- ON ANY NEW HOME OR BUILDING INSTALLATION, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE CONSTRUCTION COMMENCES AND SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH AN ADEQUATE WATER SUPPLY.
- CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT CENTERLINE OF STREET ADJACENT TO FIRE HYDRANTS AS REQUIRED IN ORDINANCE #3545 TO IDENTIFY FIRE HYDRANT LOCATIONS.
- CALL THE LAS VEGAS BUILDING DEPARTMENT AT 799-3071 FOR UNDERGROUND PROTECTION, PRESSURE AND FLUSH VERIFICATION OF ALL FIRE HYDRANTS AND FIRE LINES BEFORE COVERING.
- PAINTING OF THE CURBS AND HYDRANT AND ANY WORK NECESSARY FOR PROTECTION OF HYDRANTS FROM PHYSICAL DAMAGE PER ORDINANCE #3545 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 HYDRANT. THE PERMIT AND CONSTRUCTION MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER PRIOR TO ANY WORK BEGINNING.
- 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 F.H. APPROVED.
- FIRE HYDRANT SPACING:
 - RESIDENTIAL - 500 FEET UNSPRINKLERED, 600 FEET SPRINKLERED.
 - COMMERCIAL, INCLUDING MULTI-FAMILY - 300 FEET UNSPRINKLERED, 400 FEET 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 PROVIDED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRMS STORY IS LOCATED MORE THAN 100 FEET FROM A FIRE DEPARTMENT VEHICLE ACCESS. (SEE EXCEPTIONS IN UPC 88, SECTION 10.207).
- ALL DEAD END FIRE APPARATUS ACCESS ROADS AND/OR FIRE LANES, PUBLIC OR PRIVATE IN EXCESS OF 250 FEET IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURNAROUND AREA. SEE ORDINANCE #3545.

LAS VEGAS FIRE DEPARTMENT

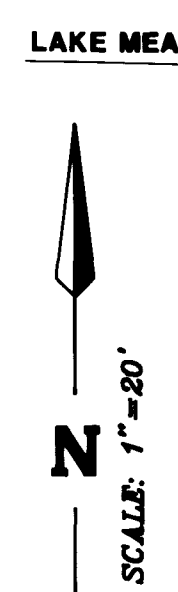
FIRE FLOW REQUIREMENT IS 2500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL BASED ON:
 AREA SEPARATION FIRE WALLS MUST BE IDENTIFIED.
 SQUARE FOOTAGE 3726 S.F.
 LARGEST AREA BETWEEN AREA SEPARATION WALLS 1863 S.F.
 HEIGHT 28'
 TYPE OF CONSTRUCTION CLASS I
 EXPOSURES F-0.18, S-0.18, S-0.18, R-0.08
 SPRINKLER SYSTEM NO
 OCCUPANCY C-2
 ROOF CONSTRUCTION TILE OVER WAFFER BOARD
 REVIEWED BY: _____
 DATE: _____
 _____ GPM REQUIRED WITHIN 500 FT. OF ALL BUILDING AREAS.

BENCHMARK



THE DETECTOR CHECK ASSEMBLY AND VAULT WITH NON-Traffic BEARING COVER, MUST BE INSTALLED IN ACCORDANCE WITH THE DISTRICT'S STANDARD PLATE(S) 19 AND WITH STANDARD VAULT DRAWING C-475. REV. 3.

ANY BLOCK WALL OR FENCE MUST BE DESIGNED AROUND THE EASEMENT, SO AS TO ALLOW THE DISTRICT DIRECT ACCESS TO THE VAULT FROM THE ADJACENT RIGHT-OF-WAY.



PROVIDE 10'x20' EASEMENT TO LVVWD

SAW-CUT AND REMOVE 25' WIDE A.C. PAVING. REPLACE W/ 5' A.C. FROM CURB TO CURB.

REV	DATE	BY	REVISION
1	7/21/19	PS	REV PER PLAN CHANGE
2	3/25/21	D.A.	LVVWD & FIRE DEPT. NOTES UPDATED
3	8-17-21	CA	REVISED PER LVVWD NOTES
4	6-28-21	PS	REV BACKLOG REC L.V.F.D. AD

ESI ENGINEERS & SURVEYORS INC.
 7018 W. CHARLESTON BLVD. LAS VEGAS, NEVADA 89117 (702) 262-8415

SUBMITTED BY: *[Signature]* 5/1/19

MASTER WATER PLAN

DRIFTWOOD COVE APARTMENTS

TITLE PROJECT

QUANTITY ESTIMATE

8" PVC WATER MAIN	301 L.F.
2 1/2" PVC SERVICE	386 L.F.
2" PVC SERVICE	94 L.F.
1 1/2" PVC SERVICE	223 L.F.
8" DETECTOR CHECK)	1 EA.
WET TAP FITTING	2 EA.
8" GATE VALVE	1 EA.
8" 90° ELL	2 EA.
2" IRRIGATION RISER/VALVE	3 EA.
2 1/2" 45° ELL	2 EA.
2 1/2"x1 1/2" REDUCER	1 EA.
FIRE HYDRANT ASSEMBLY	3 EA.
1 1/2" SERVICE RISER/VALVE	6 EA.
2" WATER METER FROM LVVWD	1 EA.

APPROVAL

Name of Plan: DRIFTWOOD COVE

Water plan as shown will be acceptable. It is NOT approved for construction.

[Signature] 8-7-21
 LVVWD Date

[Signature] 5-17-21
 LAS VEGAS VALLEY WATER DISTRICT DATE

[Signature] 6/20/21
 C.L.V. FIRE DEPARTMENT DATE

[Signature] 6/26/21

WO NO.	5312
BY	PS
DATE	MAR. 1988
SCALE	1" = 20'
SHEET	6
OF 7 SHEETS	

14-3-15 107-V1688

