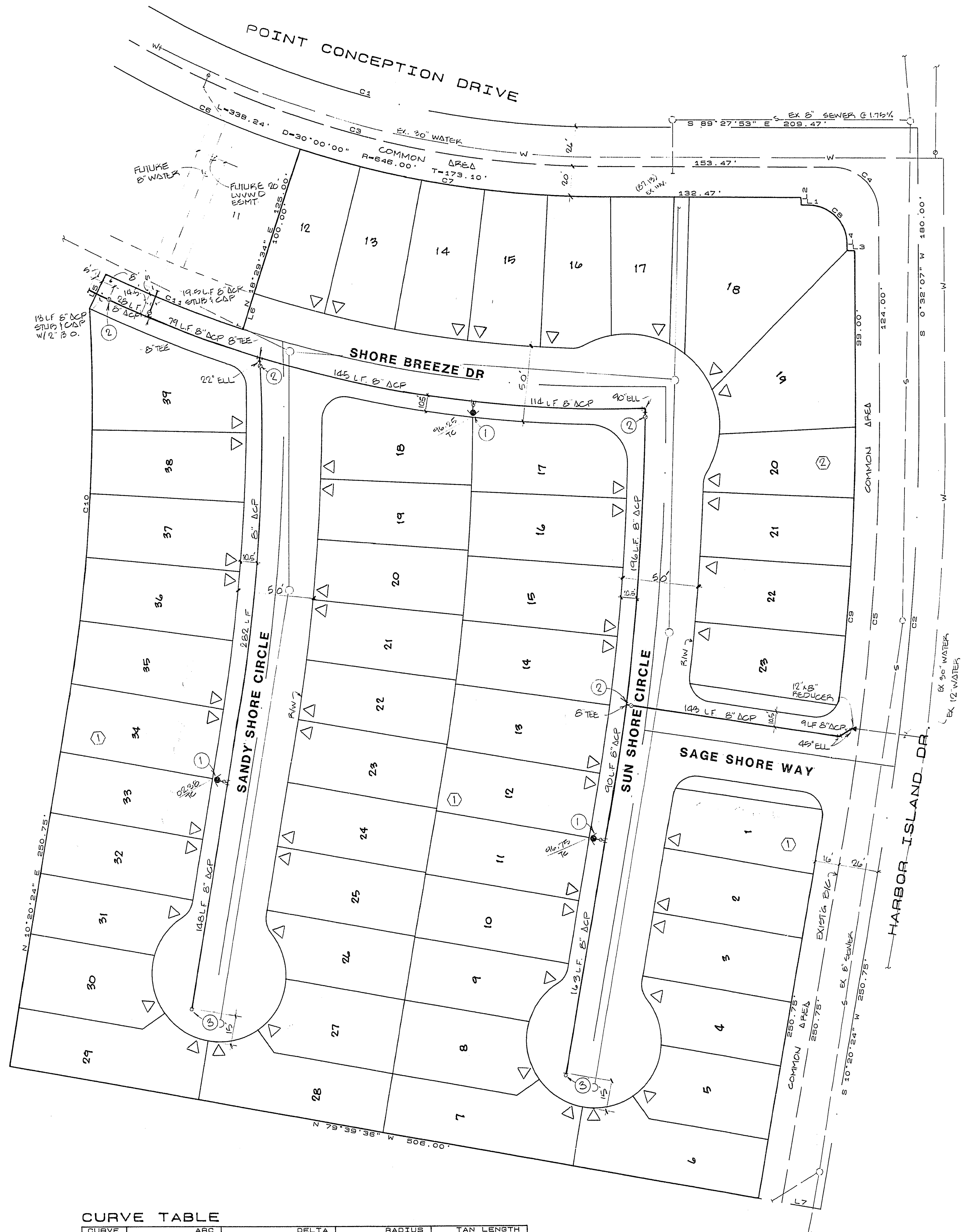


LINE TABLE

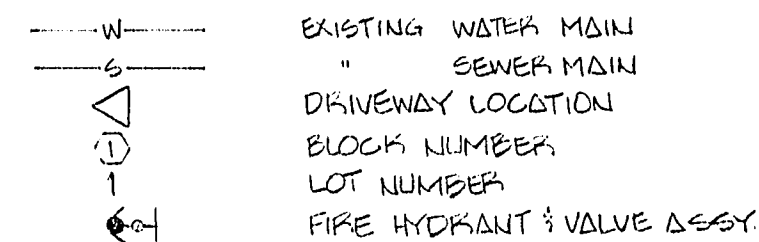
LINE	BEARINGS	DISTANCE
L1	S 6° 32' 07" W	5.00
L2	S 89° 27' 53" E	5.00
L3	S 0° 32' 07" E	5.00
L4	S 89° 27' 53" E	5.00
L5	N 25° 43' 48" E	25.00
L6	N 16° 28' 34" E	25.00
L7	N 79° 39' 36" W	25.00

CURVE TABLE

CURVE	ARC	DELTA	RADIUS	TAN LENGTH
C1	314.16	30° 00' 00"	600.00	160.77
C2	290.94	8° 48' 17"	1700.00	149.81
C3	327.77	30° 00' 00"	600.00	167.74
C4	47.12	80° 00' 00"	30.00	30.00
C5	285.48	12° 48' 17"	1874.00	149.88
C6	135.75	12° 48' 17"	648.00	65.14
C7	202.47	17° 57' 27"	848.00	102.07
C8	283.27	80° 00' 00"	30.00	30.00
C9	283.27	8° 48' 17"	1855.00	148.81
C10	257.48	12° 48' 22"	1152.00	129.28
C11	28.73	7° 20' 14"	774.30	45.43



LEGEND



WATER ESTIMATE

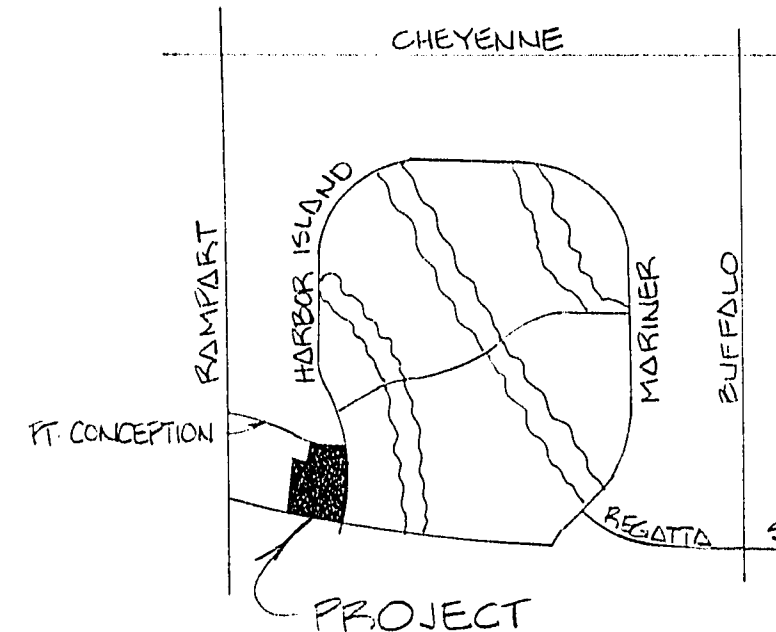
①	FIRE HYDRANT, VALVE & ASSY.	3 EA.
②	8" GATE VALVE	4 EA.
③	1" BLOW OFF ASSY.	2 EA.
	8" ACP WATER	1420 LF
	12" x 8" REDUCER	1 EA.
	8" 45° ELL	2 EA.
	8" 90° ELL	1 EA.
	8" TEE	3 EA.
	3/8" WATER SERVICE 3' METER	51 EA.
	* 3/8" SERVICE ONLY (LOT 11)	1 EA.
	8" 22" ELL	1 EA.

C.L.V. FIRE DEPT. NOTES

- ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT "HYDRANT SPECIFICATIONS" AND "HYDRANT INSTALLATION SPECIFICATIONS".
- AUTHORIZED HYDRANTS FOR THIS PROJECT ARE:
 - A - KENNEDY GUARDIAN
 - B - MUELLER A-423 CENTURIAN
- ON ANY NEW HOME OR BUILDING CONSTRUCTION, 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 GREEN REFLECTIVE MARKER AT CENTERLINE OF STREET ADJACENT TO FIRE HYDRANTS.
- "CALL THE LAS VEGAS FIRE DEPARTMENT AT 363-2888 FOR UNDERGROUND INSPECTION, PRESSURE AND FLOW VERIFICATION OF ALL FIRE HYDRANTS AND FIRE LINES BEFORE OPENING."
- PAINTING OF THE CURBS AND HYDRANT AND ANY WORK NECESSARY FOR PROTECTION OF HYDRANTS FROM PHYSICAL DAMAGE PER THE "HYDRANT INSTALLATION SPECIFICATIONS" SHALL BE COMPLETED BEFORE APPROVAL OF THE HYDRANTS BY THE CITY OF LAS VEGAS FIRE DEPARTMENT.
- LAS VEGAS VALLEY WATER DISTRICT TO DETERMINE WHAT HYDRANTS ARE CONNECTED TO A WATER SUPPLY CANAL OR SUPPLYING THE REQUIRED FLOW.

LAS VEGAS VALLEY WATER DISTRICT NOTES

- ALL WORK TO CONFORM TO LAS VEGAS VALLEY WATER DISTRICT LATEST STANDARD PLATES AND SPECIFICATIONS.
- ALL WORK, EXCEPT AS MODIFIED HEREON OR BY NOTE NO. 1, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS CLARK COUNTY AREA.
- NOTICE TO BE GIVEN ENGINEERING DEPARTMENT OF THE LAS VEGAS VALLEY WATER DISTRICT 48 HOURS PRIOR TO ACTUAL CONSTRUCTION.
- SERVICE SADDLES OR TAPPED COLLARS WILL BE REQUIRED ON ALL 3/4" AND 1" SERVICE LATERALS. SERVICE SADDLES ONLY WILL BE PERMITTED ON 1 1/2" AND 2" SERVICE LATERALS. DOUBLE TAPPED COLLARS ARE NOT PERMITTED.
- ALL LINES TO BE PRESSURE TESTED TO 200 PSI.
- DEFLECTION ANGLE SHALL NOT EXCEED 2 1/2 DEGREES PER 13 FOOT SECTION OF PIPE FOR PIPE SIZES SMALLER THAN 14 INCHES, AND SHALL NOT EXCEED 2 DEGREES FOR PIPE SIZES BETWEEN 14" AND 16".
- ALL METERS SHALL BE LOCATED OUTSIDE OF DRIVEWAYS.
- DETECTOR TAP REQUIRED IN ACCORDANCE WITH STANDARD PLATE NO. 27 WHERE INDICATED AND AS FOLLOWS:
 - A. OVER ALL MAINS NOT INSTALLED AT 6 FEET FROM BACK OF CURB.
 - B. OVER ALL SERVICE LATERALS NOT INSTALLED AT RIGHT ANGLES TO MAINS.
- CALL BEFORE YOU DIG - 1-800-227-2600.
- SERVICE LATERALS FOR LOTS _____ WILL BE TAPPED ON EXISTING MAIN BY OWNER'S CONTRACTOR UNDER DIRECTION OF THE LAS VEGAS VALLEY WATER DISTRICT.



VICINITY MAP

*NOTE: INSTALLATION OF SERVICE LATERALS ONLY, FOR FUTURE LOTS: SERVICE LATERAL SHALL INCLUDE: DOUBLE STRAP BRONZE SERVICE SADDLE OR ASBESTOS CEMENT FACTORY-TAPPED COLLAR.

- CORPORATION STD
- POLYETHYLENE SERVICE LATERAL
- ANGLE METER STOP

FIRE FLOW REQUIREMENTS:

- LARGEST UNDIVIDED BLDG. AREA = 1950 SF
- TYPE II CONSTRUCTION
- 10 BLDG. SEPARATIONS.
- NON-SPRINKLED

FIRE FLOW = 1490 GPM

MASTER WATER PLAN

SAGE SHORES

W.O. No. 880608

BY M. JONES

DATE 8/88

SCALE 1" = 40'

SHEET

6

OF 8 SHEETS

Avoid cutting underground utility lines. It's costly.

Call before you Dig.

1-800-227-2600

Avoid cutting underground utility lines. It's costly.

Deanne Miller 9/16/88
L.V.V.W.D. DATE

Jim V. Miller 9/16/88
C.L.V. FIRE DEPT. DATE

EXISTING UTILITIES ARE LOCATED ON PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR HAS NO RESPONSIBILITY FOR THE LOCATION OF UTILITIES SHOWN OR NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES BEFORE STARTING CONSTRUCTION AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL UTILITIES WITH THE UTILITY COMPANIES.

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