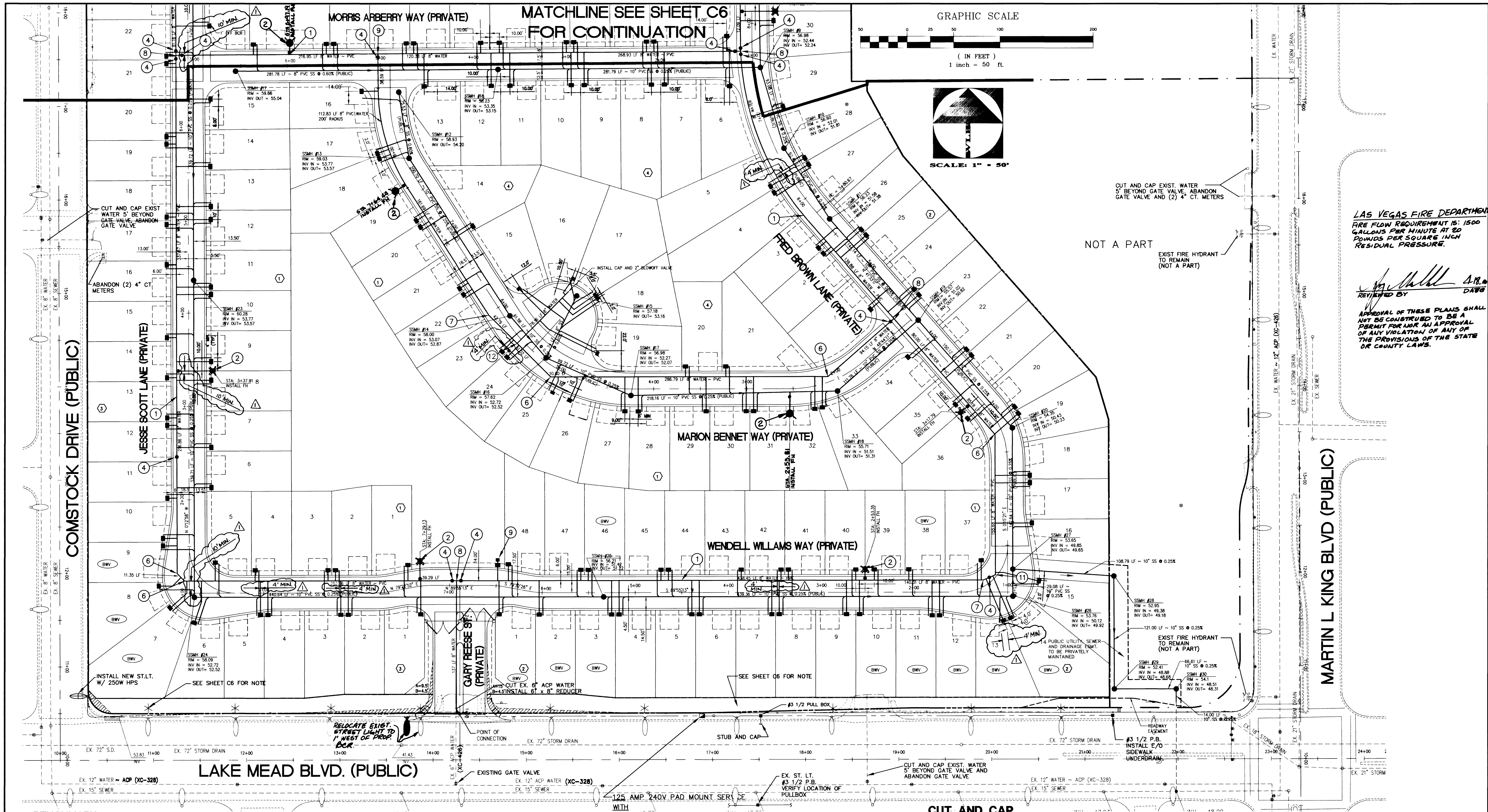




BENCHMARK

CLV # 2LV01 21C4
A RIVET AND PLATE IN TOP OF CURB ON THE NORTHEAST RETURN
OF MARTIN LUTHER KING BLVD. AND LAKE MEAD BLVD.
ELEVATION: 2052.69 FEET (NAVD 88)
ELEVATION: 625.6597 METERS

BASIS OF BEARINGS

NORTH 89°55'13" EAST, BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE/4)
OF SECTION 21, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M.
ALSO BEING THE CENTERLINE OF LAKE MEAD BLVD. AS SHOWN ON A MAP
IN THE CLARK COUNTY RECORDER'S OFFICE.
FILE 15 PAGE 52 OF RECORDS OF SURVEYS CLARK COUNTY, NEVADA,
OFFICIAL RECORDS

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.

SEWER NOTES

1. INSTALL 10" PVC SANITARY SEWER
2. INSTALL 8" PVC SANITARY SEWER
3. INSTALL SANITARY SEWER MANHOLE

QUANTITY

DESCRIPTION	PRIVATE	PUBLIC
1. INSTALL 10" PVC SANITARY SEWER		4510 LF
2. INSTALL 8" PVC SANITARY SEWER		1335 LF
3. INSTALL SANITARY SEWER MANHOLE		28 EA

INSTALLATION OF:

ONE (1) 2" REDUCED PRESSURE PRINCIPLE ASSEMBLY

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 LVVMD.

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.

WATER NOTES

1. PROPOSED 8" PVC WATER LINE
2. FIRE HYDRANT ASSEMBLY W/ GATE VALVE
3. 8"x8" TAPPING SLEEVE W/ GATE VALVE~MJ
4. 8" GATE VALVE
5. WATER SERVICES W/ 5/8" METER
6. 8" 45° ELBOW
7. 8" 22.5° ELBOW
8. 8"x8"x8" TEE
9. 2" WATER METER W/ 2" RPPA (IRRIGATION)
10. 6" PVC WATER
11. 8" 22.5° ELBOW & 45° ELBOW ~ 67.5° BEND
12. 8"x8"x8" TEE

QUANTITY

DESCRIPTION	PRIVATE	PUBLIC
1. PROPOSED 8" PVC WATER LINE		5910 LF
2. FIRE HYDRANT ASSEMBLY W/ GATE VALVE		EA
3. 8"x8" TAPPING SLEEVE W/ GATE VALVE~MJ		1 EA
4. 8" GATE VALVE		15 EA
5. WATER SERVICES W/ 5/8" METER		208 EA
6. 8" 45° ELBOW		11 EA
7. 8" 22.5° ELBOW		1 EA
8. 8"x8"x8" TEE		10 EA
9. 2" WATER METER W/ 2" RPPA (IRRIGATION)		1 EA
10. 6" PVC WATER		208 LF
11. 8" 22.5° ELBOW & 45° ELBOW ~ 67.5° BEND		1 EA
12. 8"x8"x8" TEE		1 EA

NOTE

RESIDENTIAL SEWER BACKWATER VALVES TO BE CONSTRUCTED
IN ACCORDANCE WITH STANDARD DRAWING SD-29

CUT AND CAP

THE CONTRACTOR SHALL CUT THE EXISTING PIPE WHERE SHOWN ON THE DRAWING AND INSTALL A CAP.
WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP
LOCATION, THE INSTALLATION OF A PLUG MAY BE PERMITTED WITH DISTRICT APPROVAL.
A CONCRETE THRUST BLOCK SHALL BE INSTALLED AT ALL CAP OR PLUG LOCATIONS IN ACCORDANCE WITH
THE PROVISIONS OF THE UDACS PLATE NO. 5.

ABANDONMENT VALVES

ALL ABANDONED VALVES SHALL BE ABANDONED IN THE CLOSED POSITION UNLESS SHOWN OTHERWISE,
BY REMOVING A MINIMUM OF THE TOP 12 INCHES OF THE VALVE BOX AND FILLING THE REMAINING
PORTION OF THE VALVE BOX WITH CONCRETE HAVING A COMPRESSIVE STRENGTH OF AT LEAST 2,000 PSI.

ABANDONMENT OF EXIST. SERVICES - LARGER THAN 2"

((4) 4" CT METERS, ACCNT: 50364 & 58541, METER # 217232 & 217233 & 217230 & 217231)

THE CONTRACTOR SHALL NOTIFY THE INSPECTION DIVISION AT THE LVVMD (702-258-3227) 48
HOURS PRIOR TO THE REQUESTED REMOVAL TIME TO ALLOW THE DISTRICT TO TAKE THE FINAL
METER READING OF THE METER. AFTER THE FINAL READING, THE EXISTING METER(S) SHALL BE
REMOVED AND DELIVERED TO THE DISTRICT. THE CONTRACTOR MAY THEN BEGIN REMOVAL
PROCEDURES FOR THE AFFECTED SERVICE AS FOLLOWS:

ALL VALVE TO BE ABANDONED IN THE CLOSED POSITION, UNLESS SHOWN OTHERWISE, BY REMOVING
A MINIMUM OF THE TOP 12 INCHES OF THE VALVE BOX AND THEN FILLING THE REMAINING
PORTION OF THE VALVE BOX WITH CONCRETE HAVING A COMPRESSIVE STRENGTH OF AT LEAST 2,000 PSI.
THE CONTRACTOR SHALL CUT THE EXISTING PIPE 3'+ BEYOND THE ABANDONED VALVE AND INSTALL A CAP
WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP
LOCATION, THE INSTALLATION OF A PLUG MAY BE PERMITTED WITH DISTRICT APPROVAL.
THE CONTRACTOR SHALL INSTALL A CONCRETE THRUST BLOCK IN ACCORDANCE WITH THE PROVISIONS
OF THE UDACS PLATE NO. 5 AT ALL CAP OR PLUG LOCATIONS. THE EXISTING METER(S) SHALL
BE REMOVED AND DELIVERED TO THE DISTRICT. THE CONTRACTOR SHALL THEN REMOVE AND/OR
BACKFILL THE ABANDONED VAULTS.

SEWER CONTRIBUTION RATE
PEAK FLOW 0.177 MGD
AVE. FLOW 0.052 MGD

Call
before you
Dig.
1-800-227-2600
UNDERGROUND SERVICE ALERT

Call
before you
Overhead
593-6111
OVERHEAD SERVICE ALERT

LAS VEGAS FIRE DEPARTMENT
FIRE FLOW REQUIREMENT IS: 1500
GALLONS PER MINUTE AT 20
POUNDS PER SQUARE INCH
RESIDUAL PRESSURE.

APPROVAL OF THESE PLANS SHALL
NOT BE CONSIDERED TO BE A
PERMIT FOR WORK AN APPROVAL
OF ANY VIOLATION OF ANY OF
THE PROVISIONS OF THE STATE
OR COUNTY LAWS.

REVISION	DATE	BY
CLARK COUNTY HEALTH DISTRICT 18 18 18 ADDITIONS	6/10/00	

COMMUNITY DEV. PROGRAMS CENTER	Engineering 2551 N. Green Valley Parkway, Suite A425 HENDERSON, NV. 89014(702) 488-2551
5400 W. SAHARA AVE LAS VEGAS, NEVADA 89148	The WLB Group

MASTER UTILITY PLAN	WHISPERING TIMBERS
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SHEET TITLE:	PROJECT:
JPM	ANS
Designed by:	Checked by:
JPM	ANS
Drawn by:	Project No.:
JPM	499050-A-001
Scale: 1"=50' (H) 1"=5' (V)	DRAWING NO. 1074-4634

SEAL	SHEET C7 C7 OF C20
Call before you Dig. 1-800-227-2600 UNDERGROUND SERVICE ALERT	Call before you Overhead 593-6111 OVERHEAD SERVICE ALERT