

TONOPAH DR.

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY 1" - 6"

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 ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

ESTIMATED SEWAGE CONTRIBUTION

AVERAGE FLOW = 0.0008 MGD

PEAK FLOW = 0.0025 MGD

NEAREST SEWER INTERCEPTOR: MONROE & "B" ST.

UTILITY NOTE

THE LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON HAS BEEN DETERMINED FROM SURFACE EVIDENCE OF THEIR EXISTANCE OR FROM INFORMATION OBTAINED FROM THE UTILITY COMPANIES. THE ENGINEER ACCEPTS NO LIABILITY FOR THE EXISTENCE OR NON-EXISTENCE OF UTILITY LINES. CONTRACTORS AND OTHERS USING THIS MAP MUST CONFIRM THE LOCATION OF UNDERGROUND LINES OR STRUCTURES WITH THE UTILITY COMPANIES PRIOR TO COMMENCING ANY EXCAVATION.

BENCH MARK

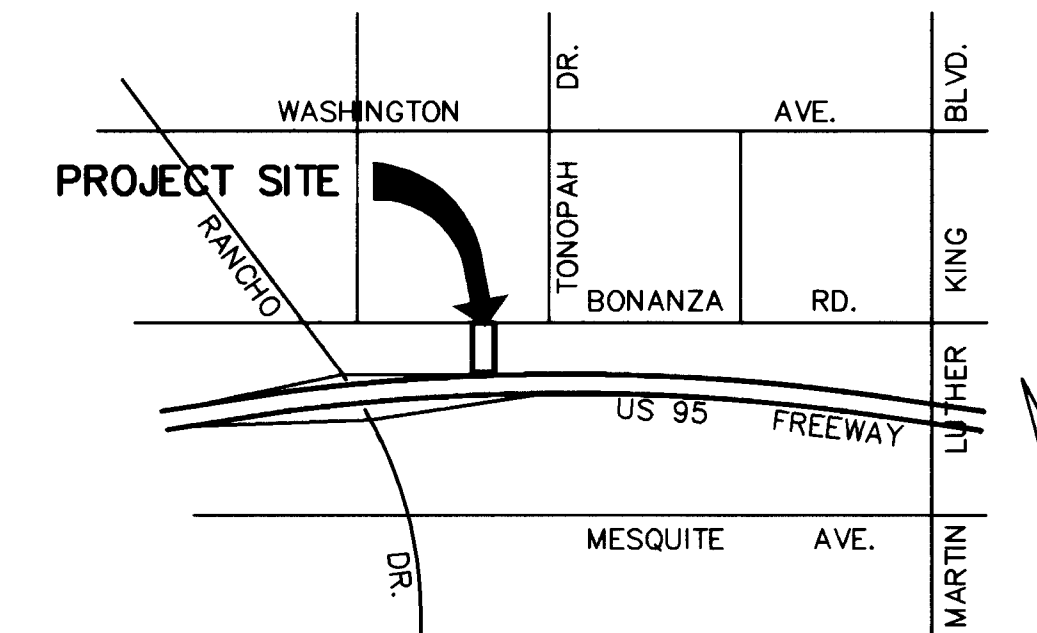
W-398 - U.S.C. & G.S. BRASS CAP LOCATED AT THE NE CORNER OF BONANZA RD. & TONOPAH DR. (25'± NORTH OF CURB & 2'± WEST OF A 4' HIGH BLOCK WALL.

ELEVATION 2070.71 FEET (631.153 METERS)

NAVD 88



SCALE 1" = 20'



VICINITY MAP

NO SCALE

WATER NOTES

- NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATIONS SUPPORT CENTER (258-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 PM THE BUSINESS DAY PRIOR TO A LVVWD INSPECTION.
- ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
- ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFFSITE IMPROVEMENTS, CLARK COUNTY AREA.
- A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
- ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
- THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND SANITARY OR STORM SEWER LINE CROSS:
 - A MINIMUM EIGHTEEN (18) INCH VERTICAL SEPERATION (OUTSIDE TO OUTSIDE) MUST BE MAINTAINED WHEN A WATER LINE IS INSTALLED OVER A SANITARY OR STORM SEWER LINE. IF THE VERTICAL SEPERATION CANNOT BE MAINTAINED OR THE WATER LINE MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE, THE SANITARY OR STORM SEWER LINE MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING OR AS SHOWN ON THESE PLANS:
 - POTABLE WATER SUPPLY QUALITY MATERIAL
 - ENCASEMENT, WITH FOUR (4) INCH CONCRETE (MINIMUM)
 - SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE
 - EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE MAIN, A MINIMUM 10 FOOT DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.

- WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX (6) INCH DIAMETER AND LARGER SERVICE LATERALS AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 27.
- ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD'S DISTRIBUTION SYSTEM.
- THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 FORTY-FOUR (48) HOURS PRIOR TO PICKUP.
- CONSTRUCTION MAY INTERRUPT SERVICE WITH LVVWD APPROVAL AND PRIOR NOTIFICATION, BETWEEN THE HOURS OF 10 PM AND 6 AM, SUNDAY THRU THURSDAY. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEEDS BE INSTALLED WITHOUT LVVWD REIMBURSEMENT. ANY TEMPORARY SERVICE FEED MUST HAVE PRIOR LVVWD APPROVAL.
- ALL WATER FACILITY CONSTRUCTION MATERIALS USED, MUST BE AS LISTED ON THE LVVWD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

FIRE PROTECTION SYSTEM NOTE

FIRE SPRINKLER ENGINEER OR CONTRACTOR SHALL VERIFY THAT THE WATER SUPPLY SYSTEM SHOWN IS ADEQUATELY SIZED TO MEET DESIGN DEMAND.

ESTIMATED QUANTITIES (WATER)

1	WET TAP	1 EA
2	12x12x8 TAPPING TEE	1 EA
3	8" TAPPING VALVE W/BOX & COVER	1 EA
4	8" PVC WATER LINE	60 LF
5	6" PVC WATER LINE	210 LF
6	8"x6" REDUCER	1 EA
7	8"x8"x6" TEE	1 EA
8	6" NRS GATE VALVE W/BOX & COVER	2 EA
9	FIRE HYDRANT PER STD. PLATE 7 CONDITION C	2 EA
10	6" 45° ELBOW	1 EA
11	6" DCDA PER STD. PLATE 20B	1 EA
12	1" SERVICE SADDLE	1 EA
13	1" COPPER SERVICE LATERAL	52 LF
14	1" WATER METER RELOCATION PER STD. PLATE 10	1 EA
15	1" RPPA PER STD. PLATE 11A	1 EA
16	1-1/4" PVC WATER LINE	170 LF
17	6"x6"x6" TEE	1 EA

NOTE TO CONTRACTOR

QUANTITIES SHOWN ARE APPROXIMATIONS ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT QUANTITIES INVOLVED.

SEWER NOTES

ALL ON-SITE SEWER LINES ARE PRIVATELY OWNED & MAINTAINED SEE SHEET NO. 2 FOR GENERAL SEWER NOTES

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS: 1875 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE

BASED ON:

SQUARE FOOTAGE 19,800 SQUARE FEET

LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: 19,800 SQUARE FEET

BUILDING HEIGHT: 27 FEET

NUMBER OF STORIES: 1 FLOOR

TYPE OF CONSTRUCTION: V-N

OCCUPANCY: OFFICE/WAREHOUSE

FULL AUTOMATIC FIRE SPRINKLER SYSTEM: YES

PROJECT NAME: HINSON-USE No. 2

This project water plan complies with the Las Vegas Valley Water District's technical requirements. However, this water plan is

NOT APPROVED FOR CONSTRUCTION

at this time and this signature does not provide or imply a water commitment.

REVIEWED BY: DATE: 10/09/96

SEE SHEET 2 FOR FIRE DEPARTMENT NOTES

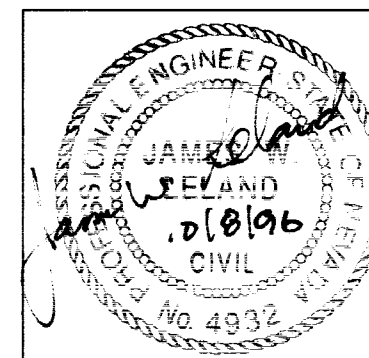
NEVADA DEPARTMENT OF TRANSPORTATION (NDOT) PERMIT REQUIRED

AN APPROVED NDOT OCCUPANCY PERMIT SHALL BE OBTAINED THROUGH THE DISTRICT PRIOR TO ANY CONSTRUCTION WITHIN NDOT MAINTAINED AREA OF BONANZA ROAD (BC TO BC)

APPROVALS:

10/9/96 2-18-97
LAS VEGAS VALLEY WATER DISTRICT DATE

10-9-96
CLY FIRE MARSHALL DATE



REDUCED PRESSURE PRINCIPLE ASSEMBLY (1-1")

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 LVVWD.

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 ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

ACCOUNT #6600 - METER #178535 ABANDONMENT OF EXISTING SERVICE(S)-2" AND SMALLER

THE CONTRACTOR SHALL NOTIFY THE INSPECTION DIVISION AT THE LVVWD (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 CONTRACTOR MAY THEN BEGIN REMOVAL PROCEDURES FOR THE AFFECTED SERVICE AS FOLLOWS:

EXISTING SERVICE LATERALS THAT ARE TO BE ABANDONED FROM THE EXISTING WATER MAIN, SHALL HAVE THE CORPORATION STOP TURNED OFF AT THE MAIN, THE LATERAL CUT 6" DOWNSTREAM FROM THE CORPORATION STOP AND CUT AGAIN 6" DOWNSTREAM FROM THE FIRST CUT SUCH THAT A 6" PIECE OF THE EXISTING SERVICE LATERAL IS REMOVED, IF THE CORPORATION STOP IS DAMAGED BEYOND REPAIR OR PULLED FROM THE EXISTING WATER MAIN, THE MAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, IN A MANNER APPROVED BY THE LVVWD. IF THE CORPORATION STOP IS NOT WATER TIGHT, THE CONTRACTOR SHALL NOTIFY LVVWD CUSTOMER SERVICE (702-870-4191) FOR FURTHER DIRECTION.

THE CONTRACTOR SHALL REMOVE THE EXISTING SERVICE METER BOX AND APPURTENANCES. FILL AND GRADE ANY AND ALL RESULTING VOIDS AND REPLACE OR RESTORE TO ORIGINAL CONDITIONS OR BETTER, ALL LANDSCAPING, IRRIGATION SYSTEMS, CONCRETE, SIDEWALKS, ASPHALT OR ANY OTHER ITEMS DAMAGED OR REMOVED DURING THE REMOVAL OF THE EXISTING SERVICE METER BOX.

WORTHEN DISTRIBUTORS

DATE: JUNE 1996

AWM

AWM/JHB

SCALE 1" = 20'

DESIGN

DRAWN

CHECK

SCALE

BAUGHMAN & TURNER, INC.

LAND PLANNERS

LAND SURVEYORS

LAS VEGAS, NEVADA

1210 HINSON STREET

(702) 870-8771

89102

NEVADA

SECTION 28 TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.B. & M.

CITY OF LAS VEGAS

WAREHOUSE No. 2

SHEET

PROJ. NO.

UTIL

107-V2620

TOWNSHIP 20E

INSTALLATION OF DOUBLE CHECK

VALVE ASSEMBLY 1" - 6"

THE DOUBLE CHECK VALVE ASSEMBLY SHALL BE INSTALLED AT THE POINT OF ENTRY TO THE PROPERTY AND SHALL BE INSTALLED IN A CONCRETE ENCLOSURE.

ESTIMATED SEWAGE CONTRIBUTION

CONCRETE FLOOR - 1000 GPD
 FLOOR FINISH - 1000 GPD
 ROOFING - 1000 GPD

UTILITY NOTE

ALL UTILITIES SHOWN ON THIS PLAN ARE BASED ON THE RECORD DRAWINGS OF THE CITY OF LAS VEGAS. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.

BENCH MARK

BM 1000.00 FT. ELEVATION
 BM 1000.00 FT. ELEVATION

DATE: 10/10/2010 BY: [Signature]



UTILITY MAP

WATER NOTES

WATER SUPPLY SYSTEM

1. THE WATER SUPPLY SYSTEM SHALL BE DESIGNED TO SERVE THE ENTIRE PROPERTY.
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SEWER SYSTEM

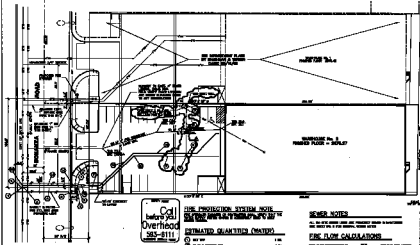
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NEAREST SEWER INTERSECTION

APPROVALS

DATE: 10/10/2010 BY: [Signature]

DATE: 10/10/2010 BY: [Signature]



Call before you dig
 800-4-A-DIG
 800-4-A-DIG

FIRE PROTECTION SYSTEM NOTE

THE FIRE PROTECTION SYSTEM SHALL BE DESIGNED TO SERVE THE ENTIRE PROPERTY.

ESTIMATED QUANTITIES (MATERIAL)

1. 12\"/>	1.00
2. 12\"/>	1.00
3. 12\"/>	1.00
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5. 12\"/>	1.00
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26. 12\"/>	1.00
27. 12\"/>	1.00
28. 12\"/>	1.00
29. 12\"/>	1.00
30. 12\"/>	1.00

NOTE IN CONSTRUCTION

THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.

SEWER NOTES

ALL SEWER LINES SHALL BE INSTALLED IN A CONCRETE ENCLOSURE.

FIRE FLOW CALCULATIONS

THE FIRE FLOW CALCULATIONS SHALL BE DESIGNED TO SERVE THE ENTIRE PROPERTY.

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RETRACTOR OVERHEAD PRINCIPLE ASSEMBLY (1-1)

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WATER SUPPLY SYSTEM

SEWER SYSTEM

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