

NORTHBRIDGE PLAZA

BASIS OF BEARING

BEING THE CENTERLINE OF US HIGHWAY 95 (RANCHO DRIVE)
N 36°26'00" W

BENCHMARK

#70012NES, RIVET & PLATE IN TOP OF HEADWALL NORTH SIDE OF
RANCHO ROAD AT JONES BOULEVARD ELEV. 2263.076 FT. OR
630.5204 METERS PER CURRENT CLV DATUM (NAVD 89)

PUBLIC WORKS UTILITY NOTES

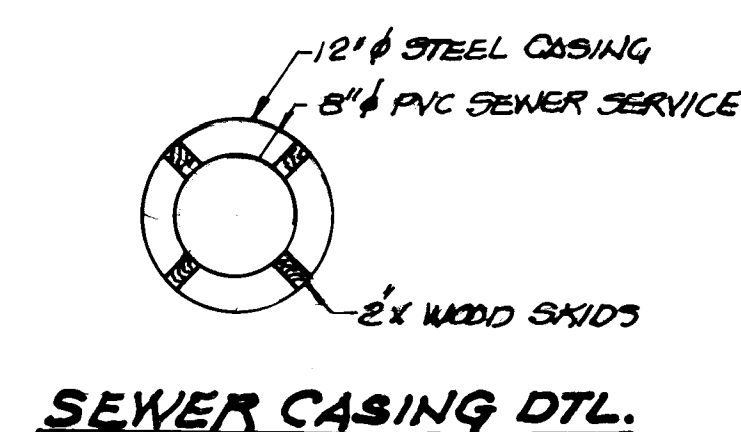
- INSPECTIONS ARE REQUIRED. CALL 24 HOURS IN ADVANCE (702) 450-4810.
- PROPER SIGNS, BARRIERS, BARRICADES AND LIGHTS SHALL BE PLACED AND MAINTAINED IN ACCORDANCE WITH THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AS PUBLISHED BY THE U.S. DEPARTMENT OF COMMERCE.
- THIS PLAN DOES NOT AUTHORIZE CLOSURE OF ANY ROAD OR STREET.
- TRAFFIC, SCHOOL OR STREET SIGNS OF ANY KIND ARE NOT TO BE MOVED FOR ANY REASON WITHOUT FIRST OBTAINING PERMISSION FROM THE DEPARTMENT OF PUBLIC WORKS, TRAFFIC MANAGEMENT DIVISION.
- ALL WORK AUTHORIZED BY THIS PLAN SHALL CONFORM TO THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF OFF SITE IMPROVEMENTS, CLARK COUNTY, NEVADA" AND THE IMPROVEMENT STANDARDS DEPARTMENT PUBLIC WORKS, CLARK COUNTY, NEVADA.
- NO OPEN TRENCH SHALL BE ALLOWED ACROSS ANY STREET OR WITHIN TEN FEET (10 FEET) OF ANY TRAVEL WAY, EXCEPT WHEN WORK IS IN ACTUAL PROGRESS AREAS COVERED BY ACCEPTABLE STEEL PLATES ARE NOT TO BE CONSTRUCTED AS A TRENCH. NO OPEN TRENCH PERMITTED IN EXCESS OF 500 FEET OR LENGTH NECESSARY TO ACCOMMODATE PIPE INSTALLATION IN A SINGLE DAY, WHICHEVER IS GREATER.
- A TEMPORARY PATCH IS TO BE IN PLACE AT THE END OF THE WORK WHERE THE BACKFILL IN THE TRENCH HAS BEEN COMPLETED AND PRIOR TO THE OPENING THE WORK AREA BACK TO THE TRAFFIC AND IS TO BE MAINTAINED BY THE PERMITTEE. A PERMANENT PATCH IS TO BE IN PLACE WITHIN THIRTY (30) DAYS AFTER THE INSTALLATION OF THE TEMPORARY PATCH.
- COMPACTION TESTS ARE REQUIRED.
- YOUR PERMIT, APPROVED PLANS AND BARRICADES PLANS FOR THIS WORK MUST BE ON THE JOBSITE AT ALL TIMES.
- ALL TRENCH CROSSINGS AND BACKFILL SHALL MEET THE STANDARD SPECIFICATIONS UNLESS OTHERWISE STATED.

CLV SEWER NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARDS SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF SITE IMPROVEMENTS CLARK COUNTY AREA, NEVADA AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF ABOVE SPECIFICATIONS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.
- CHISEL "S" OR "G" IN CURB WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
- POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.
- ALL MANHOLES PAVED IN STREETS EIGHTY (80) FOOT R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY(80) FOOT R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
- TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" SHALL BE USED USED ON LINES TWELVE INCHES (12") OR ABOVE.
- A SEWER MAIN CROSSING OVER A WATER MAIN OR LESS THAN EIGHTEEN INCHES (18") UNDER A WATER MAIN, MUST BE REINFORCED CONCRETE ENCASED FOR A DISTANCE NOT LESS THAN TEN FEET (10') TO EACH SIDE OF THE CENTER LINE OF THE WATER MAIN.
- ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.
- THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED AND REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.
- INSTALLATION OF CURVED SEWER REQUIRED SPECIAL CONSTRUCTION PROCEDURES AND INSPECTIONS. CONTACT CITY OF LAS VEGAS CONSTRUCTION SERVICES 24 HOURS PRIOR TO INSTALLATION.

OTHER NOTES

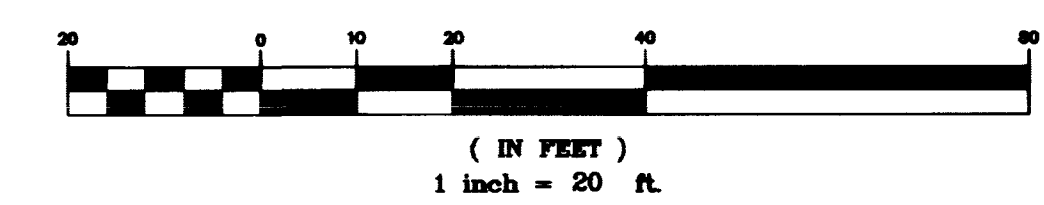
THIS SITE IS LOCATED IN A 100 YEAR FLOOD-PLAIN



SEWER CONTRIBUTION

AVERAGE FLOW = 19152 SQFT @ 0.1 GAL/SQFT = 1915.20 GALLS.
PEAK FLOW = 1.4 AC @ 1750 GAL/PER AC. = 2450.04 GALLS.

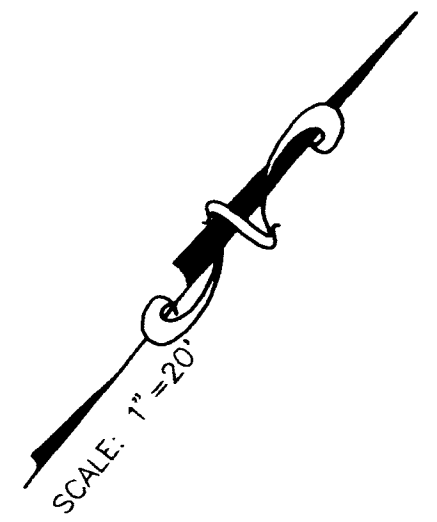
GRAPHIC SCALE



RANCHO DRIVE (U.S. HIGHWAY 95)

PROPOSED HONDA NORTHWEST
FF=57.10

ALLEY (PUBLIC)



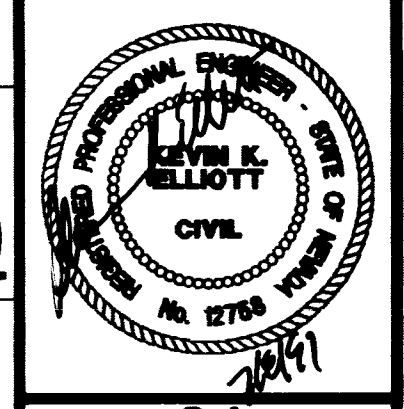
DOLE & MARGE BOWREN
3800 NORTH RANCHO
LAS VEGAS, NEVADA
(702)656-1955

AGRA Infrastructure Inc.
ENGINEERING GLOBAL SOLUTIONS
180 CHARLESTON BOULEVARD, SUITE 180
LAS VEGAS, NEVADA 89102
PHONE: (702) 678-3817
FAX: (702) 878-3718

SEWER PLAN

HONDA NORTHWEST
SWC RANCHO & DUNCAN
APN 138-012-110-013
CITY OF LAS VEGAS

DRAWN BY:	3/10/99
DESIGNED BY:	3/10/99
CHECKED BY:	3/10/99
PROJECT NO.:	02-1988-082
SCALE:	1" = 20'



Call before you Dig. It's a Law.
1-800-227-2600

AVOID BEING OVERHEARD. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD.

CALL 1-702-583-8111

C4
4 OF 7 SHEETS
DRAWING NO.
107-V3120

NORTHBRIDGE PLAZA

RANCHO DRIVE (U.S. HIGHWAY 95)

PROPOSED
HONDA NORTHWEST
FF-57.10

SEEKING CHANGE SET

OWNER CONTRIBUTIONS

OWNER SHALL BE RESPONSIBLE FOR ALL UTILITIES AND PERMITS FROM THE CITY OF LOS ANGELES, CALIFORNIA, AND ALL OTHER AGENCIES.



DATE OF BOARD

APPROVED BY THE BOARD OF SUPERVISORS

BENCH MARK

CONTROL POINT FOR ALL UTILITIES AND SURVEYING

PUBLIC WORKS UTILITY NOTES

1. ALL UTILITIES SHALL BE DEEPENED TO A MINIMUM OF 48" BELOW FINISHED GRADE.
2. ALL UTILITIES SHALL BE DEEPENED TO A MINIMUM OF 60" BELOW FINISHED GRADE.
3. ALL UTILITIES SHALL BE DEEPENED TO A MINIMUM OF 72" BELOW FINISHED GRADE.
4. ALL UTILITIES SHALL BE DEEPENED TO A MINIMUM OF 84" BELOW FINISHED GRADE.
5. ALL UTILITIES SHALL BE DEEPENED TO A MINIMUM OF 96" BELOW FINISHED GRADE.
6. ALL UTILITIES SHALL BE DEEPENED TO A MINIMUM OF 108" BELOW FINISHED GRADE.
7. ALL UTILITIES SHALL BE DEEPENED TO A MINIMUM OF 120" BELOW FINISHED GRADE.
8. ALL UTILITIES SHALL BE DEEPENED TO A MINIMUM OF 132" BELOW FINISHED GRADE.
9. ALL UTILITIES SHALL BE DEEPENED TO A MINIMUM OF 144" BELOW FINISHED GRADE.
10. ALL UTILITIES SHALL BE DEEPENED TO A MINIMUM OF 156" BELOW FINISHED GRADE.

C.L.V. GENERAL NOTES

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OTHER NOTES

SEE SHEET FOR DETAILS AND NOTES.



DATE	12/31/2023
SCALE	1" = 20'
PROJECT	NORTHBRIDGE PLAZA
OWNER	HONDA NORTHWEST
DESIGNER	AGKAT (Infrastructure), Inc.
CHECKED	[Signature]
APPROVED	[Signature]

AGKAT (Infrastructure), Inc.
12345 Main Street
Los Angeles, CA 90001
Tel: (213) 555-1234
Fax: (213) 555-5678
www.agkat.com