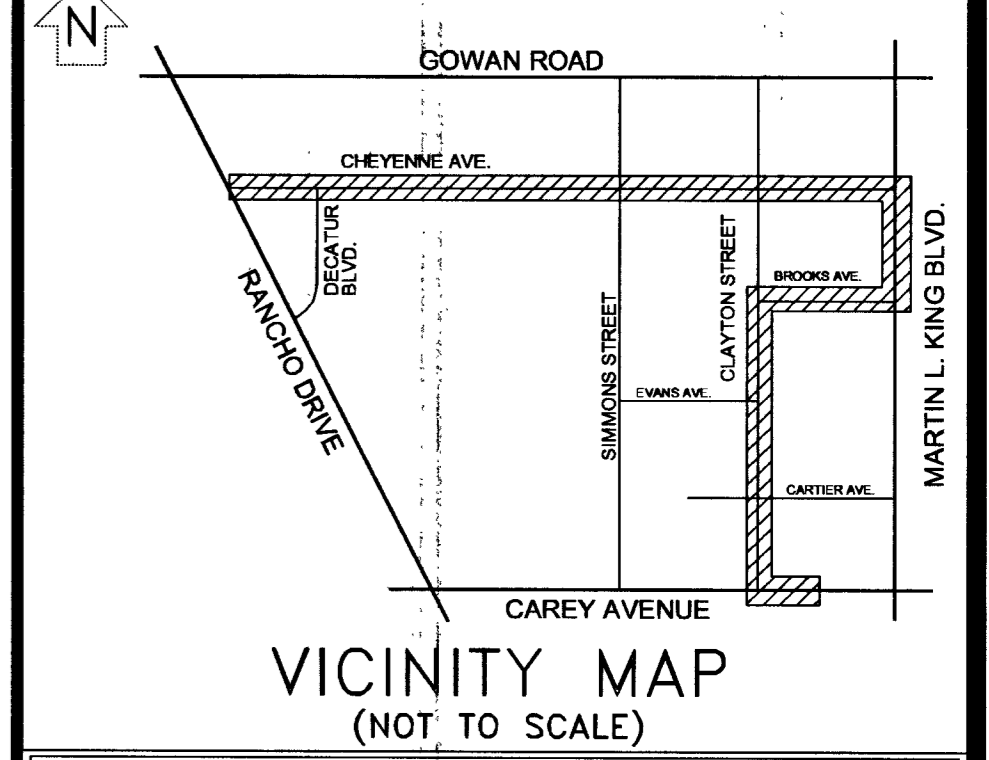


**!!!! CAUTION !!!!
ENERGIZED CABLES...
CALL BEFORE YOU DIG**

T,R,S: 2061-16B
APN: 139



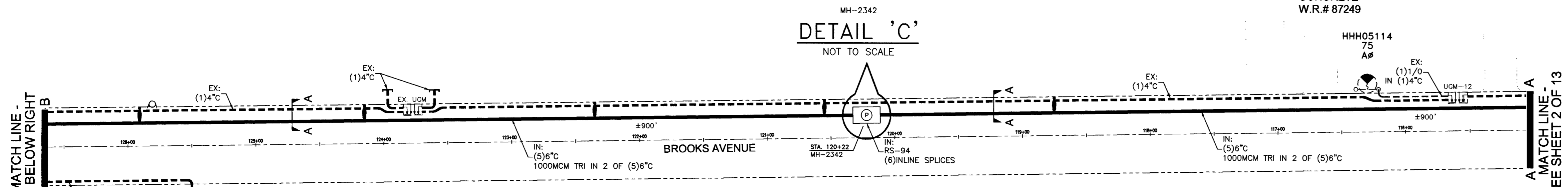
VICINITY MAP (NOT TO SCALE)

EVERY EFFORT HAS BEEN MADE TO IDENTIFY ALL NPC FACILITIES. THE CUSTOMER SHALL CONFIRM THE EXISTENCE AND LOCATION OF THESE FACILITIES.

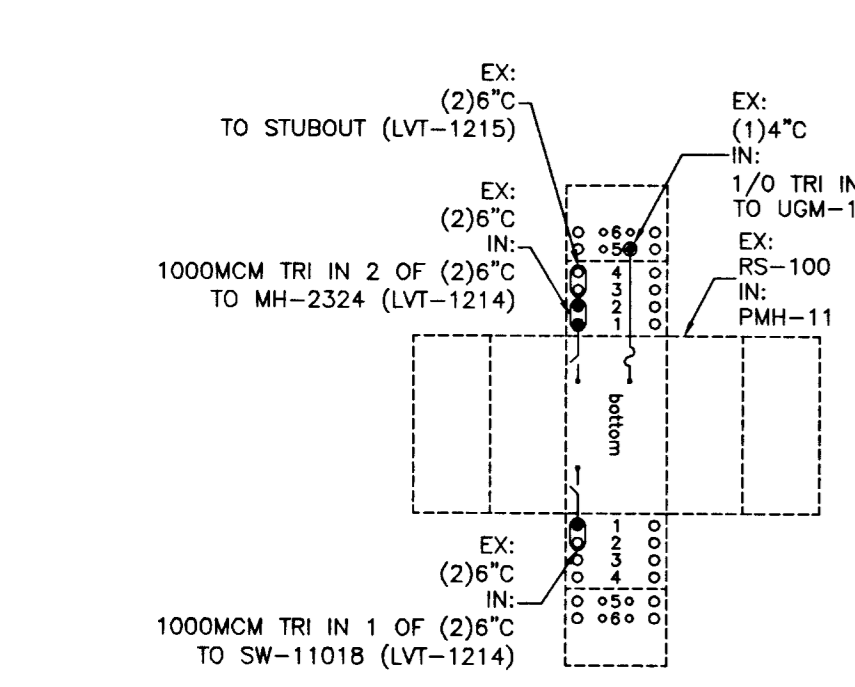
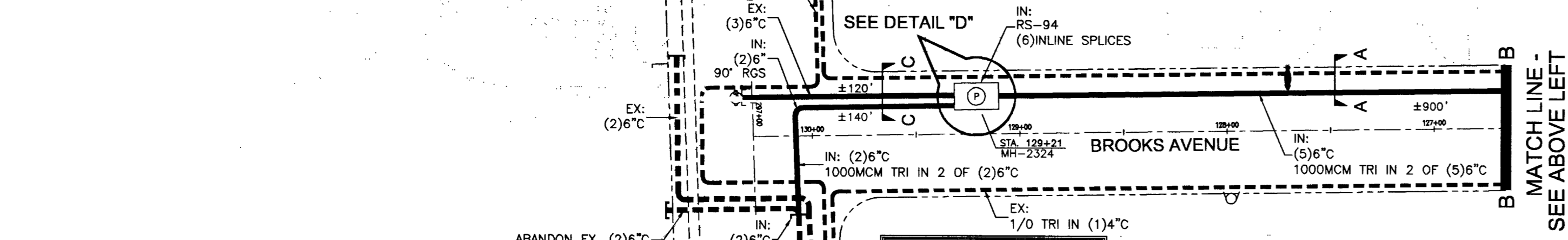
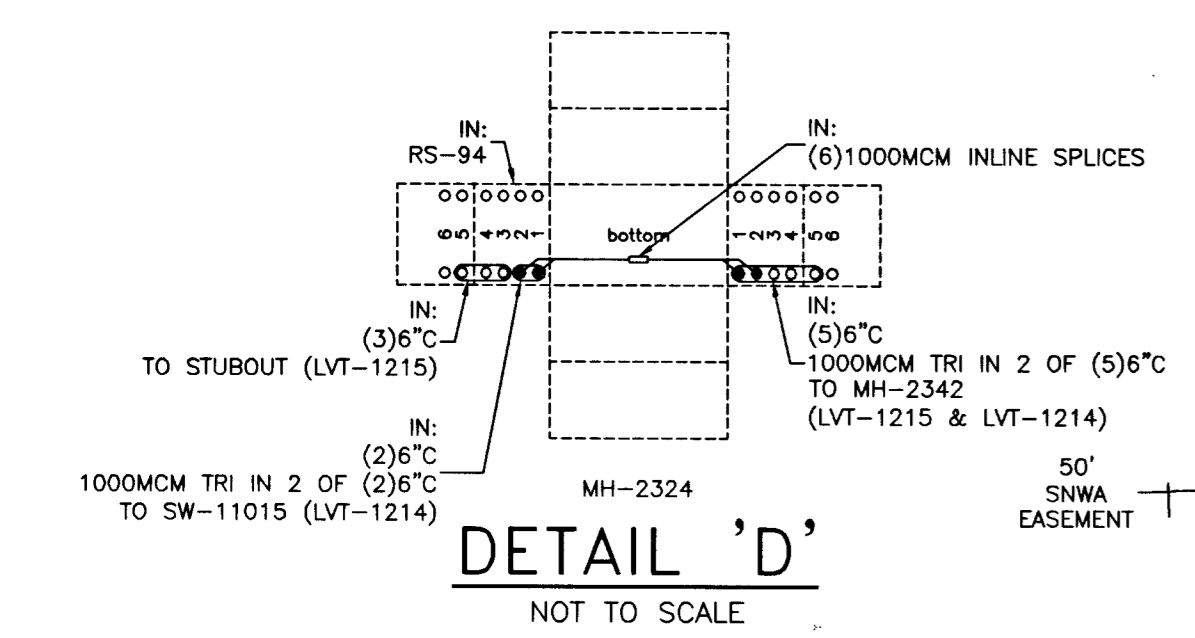
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL BEFORE YOU DO UNDERGROUND SERVICE (USA)

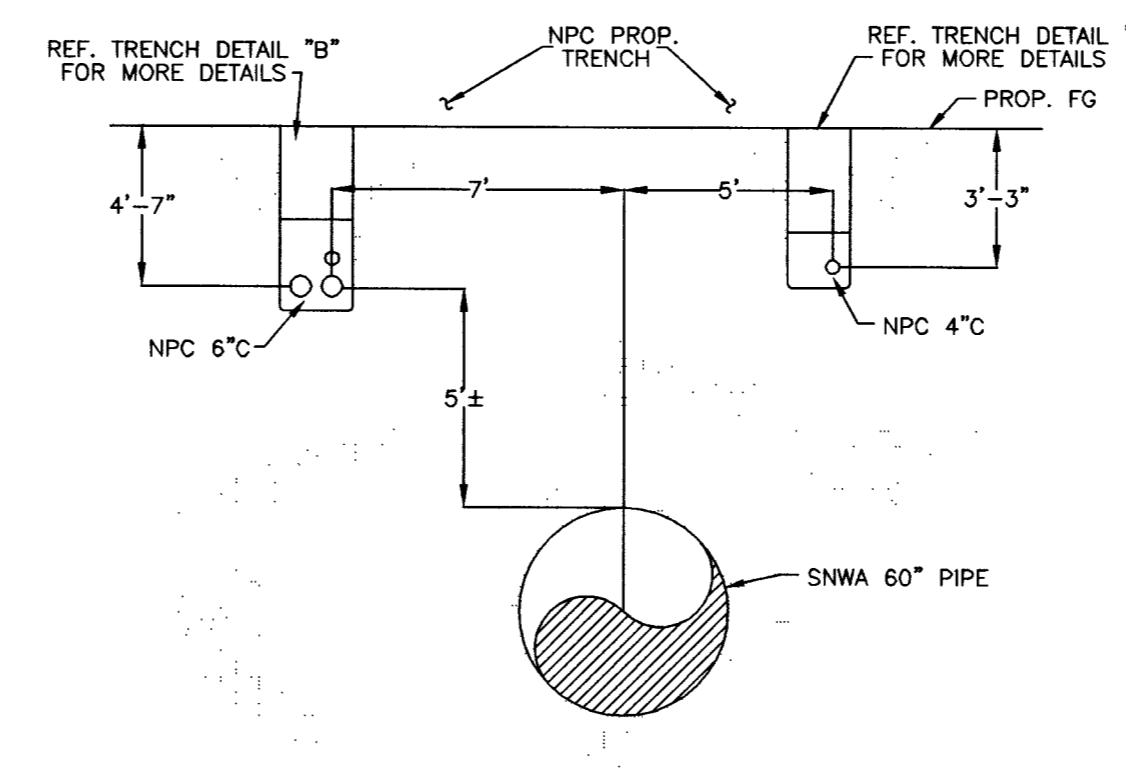
1-800-227-2600



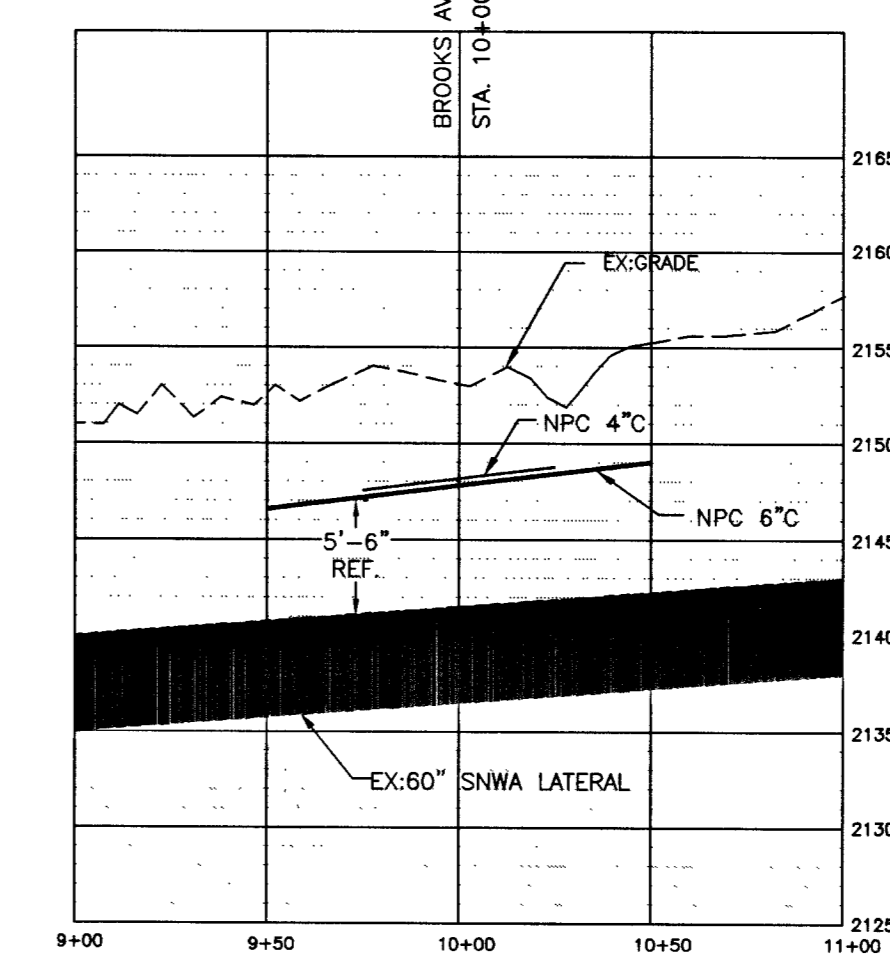
KK00061
500
277/480V



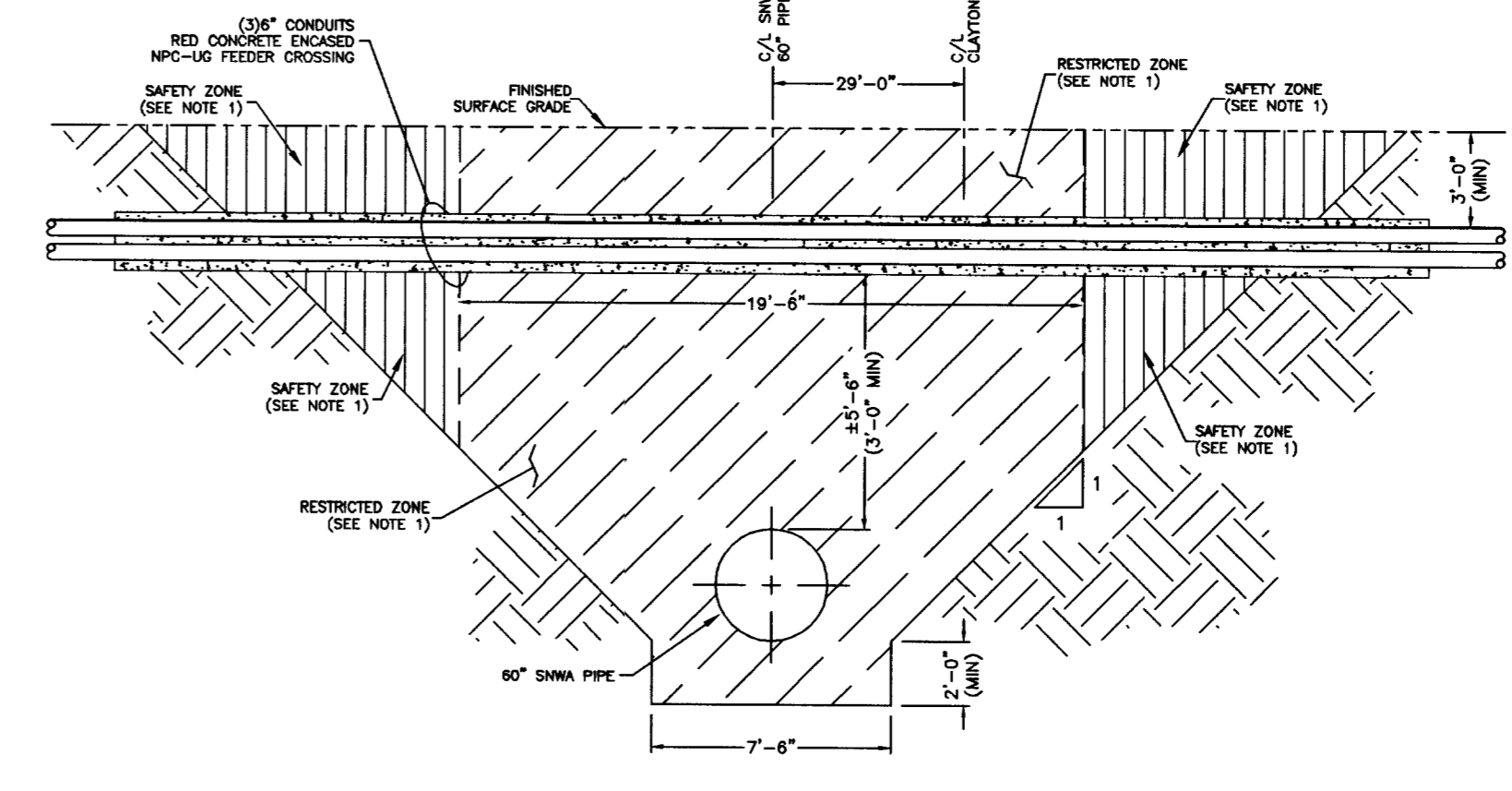
MATCH LINE - SEE SHEET 4 OF 13



**SECTION
SNWA 60" LATERAL SECTION & PROFILE**
N.T.S.



PROFILE
SCALE IN FEET
HORIZONTAL: 1" = 60'
VERTICAL: 1" = 5'



SNWA UTILITY SEPARATION DETAIL
SCALE: N.T.S.

SNWA CONSTRUCTION NOTES:

- CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWA/SNWS APPURTENANCES INCLUDING, BUT NOT LIMITED TO AV/AR, ACCESS MANWAYS & CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND AT GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTOR'S EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS, AND AV/AR'S MUST BE RELOCATED TO THE SIDEWALK PER SNWA STANDARDS AND AT THE CONTRACTOR'S EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY, DEVELOPMENT PLAN REVIEW, AT (702)862-3444 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
- THIS DATA MAY BE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929. IT IS THE ENGINEER'S RESPONSIBILITY TO ENSURE THAT THIS DATA IS CONVERTED TO THE APPROPRIATE DATUM BEFORE USING SAID DATA.
- NO BUILDINGS, STRUCTURES, FENCES OR TREES SHALL BE PLACED UPON, OVER OR UNDER SAID PARCEL OF LAND FOR THE DURATION OF THIS EASEMENT EXCEPT THAT SAID PARCEL MAY BE IMPROVED AND USED FOR STREET, ROAD OR DRIVEWAY PURPOSES AND FOR OTHER UTILITIES, INSOFAR AS SUCH USE DOES NOT INTERFERE WITH ITS USE BY SNWA FOR THE PURPOSES FOR WHICH IT IS GRANTED.
- SOUTHERN NEVADA WATER AUTHORITY APPROVAL:

APPROVED BY: _____ DATE: _____

SNWA APPROVAL IS VALID FOR ONE (1) YEAR FROM THE SIGNATURE DATE. IF CONSTRUCTION WITHIN THE EASEMENT OR RESTRICTED PIPE SAFETY ZONE IS NOT COMPLETE, PLANS MUST BE RESUBMITTED TO SNWA FOR APPROVAL.

SNWA UTILITY SEPARATION NOTES:

- RESTRICTED ZONE:** ALL EFFORTS SHALL BE MADE TO AVOID PARALLEL UTILITIES AND APPURTENANT STRUCTURES IN THE RESTRICTED ZONE. UTILITIES MAY CROSS PERPENDICULARLY THROUGH BOTH THE SAFETY AND RESTRICTED ZONES PROVIDED THAT VERTICAL CLEARANCES OF 3 FEET ABOVE AND 2 FEET BELOW THE SNWA FACILITIES ARE MAINTAINED. DESIGNS THAT DO NOT MEET THE MINIMUM CLEARANCE SHALL BE COORDINATED AND APPROVED BY SNWA.
- SAFETY ZONE:** REASONABLE EFFORTS WILL BE MADE TO LOCATED PARALLEL UTILITIES AND APPURTENANT STRUCTURES OUTSIDE THE SAFETY ZONE. PARALLEL UTILITIES AND APPURTENANT STRUCTURES LOCATED WITHIN THIS ZONE SHALL BE DESIGNED TO MINIMIZE IMPACT ON THE MAINTENANCE ACCESS OF SNWA FACILITIES. THE BOUNDARIES OF THE SAFETY ZONE ARE ESTABLISHED BY A 1:1 SLOPE EXTENDING FROM THE HINGE POINTS OF DIMENSION "A" TO THE FINISH SURFACE GRADE ON EACH SIDE OF THE SNWA PIPELINE. THE DESIGN OF UTILITIES IN THE SAFETY ZONE SHALL BE COORDINATED WITH SNWA.
- DIMENSION "D" IS EQUAL TO THE OUTSIDE DIAMETER OF THE SNWA PIPE. DIMENSION "A" IS EQUAL TO "D" PLUS 4 FEET.
- THE SNWA PIPELINE MAY EMPLOY A CATHODIC PROTECTION SYSTEM. SNWA WILL MITIGATE ADVERSE IMPACTS ON EXISTING FACILITIES. SNWA SHALL ENDEAVOR TO MINIMIZE ADVERSE IMPACTS ON ALL OTHER EXISTING UTILITIES. ALL OTHER UTILITIES IN THE VICINITY OF THE SNWA FACILITIES WILL BE RESPONSIBLE TO COORDINATE WITH SNWA FOR THE PROTECTION OF THEIR NEW FACILITIES FROM STRAY ELECTRICAL CURRENTS.
- HORIZONTAL AND VERTICAL SEPARATION OF SANITARY SEWERS AND STORM DRAINS FROM POTABLE FACILITIES MUST COMPLY WITH THE "DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEM" FOR SOUTHERN NEVADA.

SEE PAGE 12 OF 13
FOR ALL TRENCH SECTIONS
& RISER DETAILS

CONSTRUCTION OF THIS JOB
IS CONTINGENT UPON THE
COMPLETION OF WR# 168874.

CITY OF NORTH LAS VEGAS PERMIT REQUIRED

CITY OF NORTH LAS VEGAS
CONSTRUCTION SERVICES
633-1220 MUST BE NOTIFIED
24 HOURS PRIOR TO COMMENCING
CONSTRUCTION

*NPC INSPECTOR MUST BE NOTIFIED BY FAX 48 HOURS PRIOR TO COMMENCING CONSTRUCTION & WILL VERIFY CITY PERMIT FOR WORK DONE IN STREETS OR SIDEWALK.

FAX PERMIT TO:
LAS VEGAS NORTH 657-4354
LAS VEGAS SOUTH (HENDERSON) 558-4740
LAS VEGAS SOUTH (SPRING VALLEY) 252-4828

REVISIONS			
NO.	DESCRIPTION	DATE	G.A.
1	NPC TO CROSS CHEYENNE WITH (2)6" +/- 1177' W/O SIMMONS, PER BRAD.	11/24/2003	DJ
2	ADD MANHOLE PLACEMENT DETAILS FOR CHEYENNE	12/02/2003	RIP
3	REVISED DRAWING TO SHOW EXISTING 60" SNWA LINE RUNNING EAST AND WEST ON CLAYTON, KC	12/08/2003	
4	REVISED DESIGN SHOWING EXISTING SNWA REQUIREMENT WHERE APPLICABLE, KC	01/06/2004	

SURVEY	
TYPE OF EASEMENT:	JPA NOTES:
AERIAL STANDARD	<input type="checkbox"/> SPRINT CONTACT: GALEN GOZDAN
R/W-31	<input type="checkbox"/> PHONE NUMBER: 244-7862
UNDERGROUND	<input type="checkbox"/> DATE OF CONTACT: 09/11/2003
AS BUILT UNDERGROUND	<input type="checkbox"/> TO SET NEW POLES
R.O.E./R/W-5-COM	<input type="checkbox"/> TO STAKE NEW POLES
3rd PARTY	<input type="checkbox"/> TO PROVIDE POLES
UNDERGROUND BY EXHIBIT (N-DOT) PERMIT	<input type="checkbox"/> FT. CLASS
(BLM) PERMIT	<input type="checkbox"/> FT. CLASS
RAILROAD-UPRR-PERMIT	<input type="checkbox"/> TO DIG POLE HOLES
SO. NEVADA WATER PERMIT	<input type="checkbox"/> TO REMOVE EX. POLES
NOT REQUIRED	<input type="checkbox"/> ON P-66838 & X-18634
Misc. Info.	<input type="checkbox"/> JPA#: P200300219

NPC INFORMATION:

COORDINATOR: BRAD REIPLINGER
PHONE: 657-4303
DESIGNER: JOSH THIEL
DCA: N/A
INSPECTOR: 378-3690
SCHEDULING: 657-4114, 657-4116, 657-4118

CUSTOMER INFORMATION:

DEVELOPER: NEVADA POWER COMPANY
ENGINEER: NEVADA POWER COMPANY
CONTACT: BRAD REIPLINGER
APPROVAL DATE: 10/01/2003

GOVERNMENT INFORMATION:

AGENCY: NORTH LAS VEGAS--CITY OF LAS VEGAS
APPROVAL DATE: 12/22/2003--*JR*

NEVADA POWER COMPANY

LEAVITT 1204/1214

PROJ. ID: 173732 SCALE: 1" = 50'
SHEET #: 3 OF 13 DATE: 07/23/2003