

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE SUMMERLIN IMPROVEMENT STANDARDS AS APPROVED BY THE CITY COUNCIL ON 02/29/93, "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA VEDA", 1987 EDITION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA VEDA", LATEST ISSUE; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY, THE UTAH BUILDING CODE, AND LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCES WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTRA CARE WHEN WORKING NEAR OVERHEAD OR UNDERGROUND POWER, GAS AND/OR OTHER UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY STRUCTURES AND STATUS. ANY SUCH IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER, OR OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION PRIOR TO USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 150' IN EXTRUDED TYPE CURB.
8. AC PAVEMENT TO BE 1/2" ABOVE UP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS.
9. APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS AND ADJUSTMENTS HAVE BEEN MADE.
10. CURB & GUTTER WITH A GRADE OF LESS THAN FIVE TENTHS OF ONE PERCENT SHALL BE WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. ANY CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY SHALL BE REMOVED AND REPLACED AT THE EXPENSE OF THE CONTRACTOR.
11. SIDEWALK RAMP SHALL BE CONSTRUCTED AS SHOWN ON PLANS PER SUMMERLIN STD. DRAWING NO. S-77. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
12. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SUBURBAN CONSTRUCTION. ANY CURB AND DRIVEWAY FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS, OR AS DESIGNATED IN THE FIELD BY A CITY INSPECTOR.
13. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER AND APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
14. EXACT LOCATION OF ALL SAVCUT LINES MAY BE DETERMINED IN THE FIELD BY A CITY OF CIVIL ENGINEER INSPECTOR IF LOCATION IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATION.
15. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORD. WITH N.R.S. STATUTE NO. 625.550.
16. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC. SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, ROADWAYS, AND DRIVEWAYS WITHOUT WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND CITY ENGINEER.
17. WALL NOTES:
 - A. THE STRUCTURAL DESIGN OF ALL RETAINING WALLS ARE INCLUDED IN THESE DESIGN DRAWINGS AND ARE TO BE PROVIDED BY THE CIVIL BUILDING DEPARTMENT.
18. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO BE PLACED ON THE ASPHALT ON CITY STREETS.
 - A. 48 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT:
LAS VEGAS VALLEY WATER DISTRICT PHONE 870-2011
NEVADA POWER COMPANY PHONE 1-800-227-2600
SPRING CENTRAL TELEPHONE-NEVADA PHONE 1-800-227-2600
SOUTHWEST GAS CORPORATION PHONE 635-2236
KERN RIVER GAS PHONE 801-584-6762
20. ALL MANHOLES IN PAVED STREETS, 80" R/W OR LARGER SHALL HAVE CONCRETE COLLARS

	DETAIL DRAWING NUMBER
	DRAWING NUMBER FOR DETAIL DRAWN ON SAME SHEET
	DRAWING NUMBER FOR DETAIL WITH REFERENCE TO THE SHEET IT IS REFERENCE TO THE SHEET IT IS DRAWN ON
	DRAWING NUMBER (S) FOR DETAIL (S) PER SUMMERLIN IMPROVEMENTS STANDARDS, OR PER STANDARDS IN ABBREVIATION TABLE
	INDICATES CONSTRUCTION NOTE
	INDICATES REMOVAL NOTE
	INDICATES CURVE NUMBER
	INDICATES SEWER MANHOLE IN PROFILE
	INDICATES STORM DRAIN MANHOLE IN PROFILE
	EXIST. SPOT ELEVATION
	STUB & PLUG PIPE
	CONCRETE ENCASUREMENT

NOTE: LEGEND & ABBREVIATIONS IN THE "SUMMERLIN IMPROVEMENT STANDARDS", LATEST EDITION, WILL BE UTILIZED FOR ANY LEGEND & ABBREVIATION REQUIRED WHICH ARE NOT SHOWN.

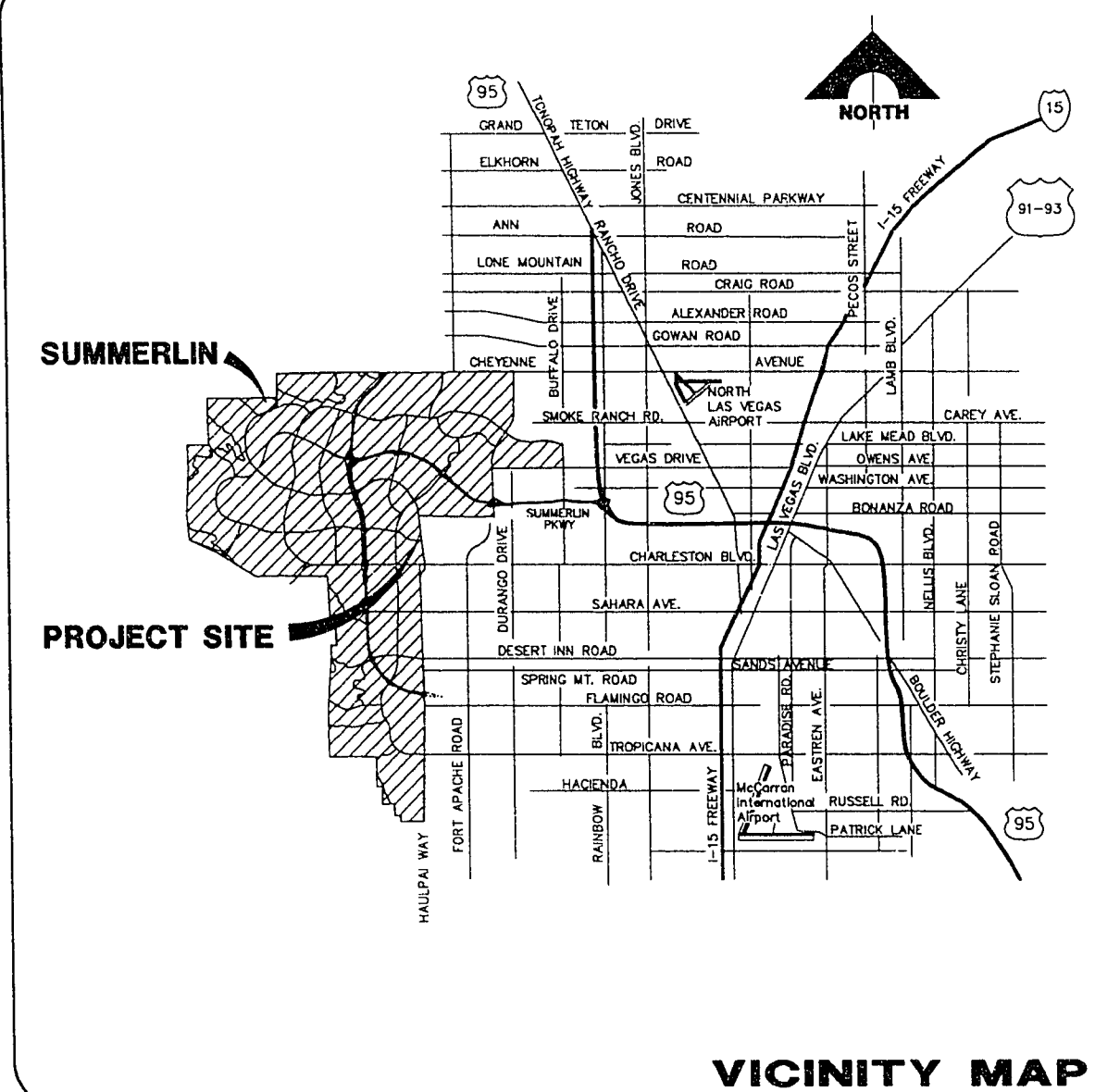
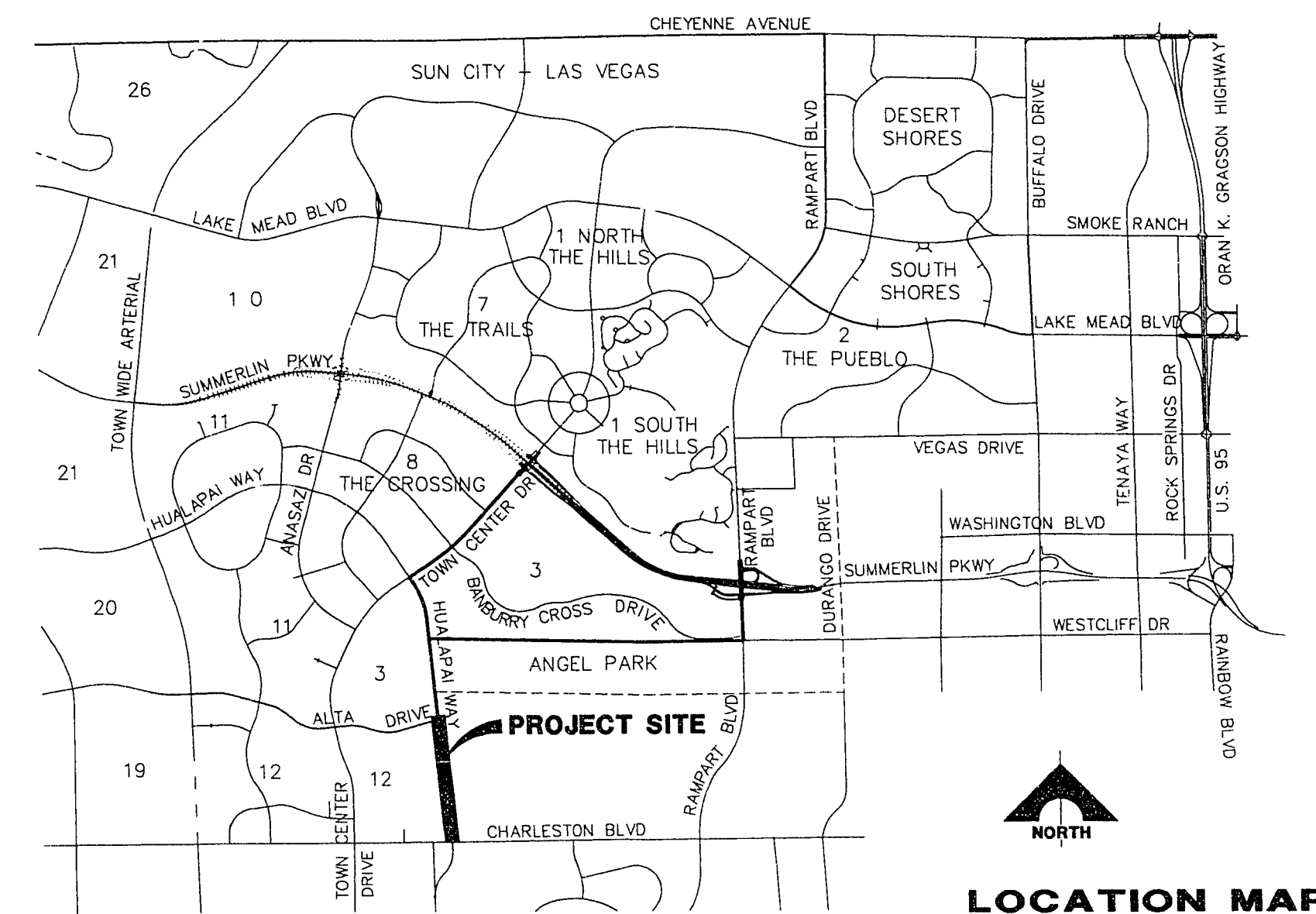
TOP
BOTTOM

PROPOSED

BY SEPARATE CONTRACT

EXISTING

I = IMPROVEMENTS
W = WATER
S = SEWER
SD = STORM DRAIN
SL = STREET LIGHTING
TS = TRAFFIC SIGNAL
D.I. = DROP INLET
SMH = SEWER MANHOLE
SDMH = STORM DRAIN MANHOLE
CLV = CITY OF LAS VEGAS
LVVWD = LAS VEGAS VALLEY WATER DISTRICT
NDOT = NEVADA DEPT. OF TRANSPORTATION
O.A. = OVERALL



1. COVER SHEET
2. PROJECT DATA SHEET
3. HORIZONTAL CONTROL PLAN
4. WATER MASTER PLAN
5. STORM DRAIN MASTER PLAN
6. SEWER MASTER PLAN
7. STA. 76+20.60 TO 80+50 PLAN & PROFILE
8. STA. 80+50 TO 85+50 PLAN & PROFILE
9. STA. 85+50 TO 90+50 PLAN
10. STA. 85+50 TO 90+50 PROFILE
11. STA. 90+50 TO 95+00 PLAN & PROFILE
12. STA. 95+00 TO 99+50 PLAN & PROFILE
13. STA. 99+50 TO 104+50 PLAN & PROFILE
14. STA. 104+50 TO 106+85.97 PLAN & PROFILE
15. WATER LATERAL DETAILS
16. STORM DRAIN LATERAL DETAILS
17. STORM DRAIN LATERAL DETAILS
18. SIGNAGE AND STRIPING PLAN
19. TYPICAL STREET SECTIONS
20. MISCELLANEOUS DETAILS

I CERTIFY THAT THE GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.

Bentley

12/31/91
DATE

*APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHTS-OF-WAY AND / OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE THE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND / OR SPECIFICATIONS EXCEPT THOSE SPECIFICALLY LISTED UNDER "DEVIATIONS FROM STANDARDS". THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN "DEVIATIONS FROM STANDARDS" IN FAVOR OF THE SUMMERLIN IMPROVEMENT STANDARDS AND SPECIFICATIONS CLARK COUNTY AREA NEVADA". REFER TO SHEET E-1 FOR APPROVAL BY THE CITY ENGINEER OF THE ELECTRICAL PLAN.

CITY OF LAS VEGAS

6-29-96
DATE

SUMMERLIN

Gerald M. Robbins 7.1.96
GERALD M. ROBBINS DATE

L.V. VALLEY WATER DISTRICT	12-10-96	6-10-96
NEVADA POWER CO.	June 2 Division	6-3-96
SPRINT COMMUNICATIONS	June 2 Division	6-3-96
CENTRAL TELEPHONE CO.	June 2 Division	6-3-96
SOUTHWEST GAS CORP.	June 2 Division	6-3-96
CLV FIRE DEPARTMENT	June 2 Division	5-31-96
KERN RIVER	June 2 Division	6-3-96

N 01°12'43" E IS BASED ON THE NEVADA STATE GRID SYSTEM (EAST ZONE) AS DETERMINED FROM THE TRIANGULATION POINTS "RED ROCK" TO "LONE MOUNTAIN".

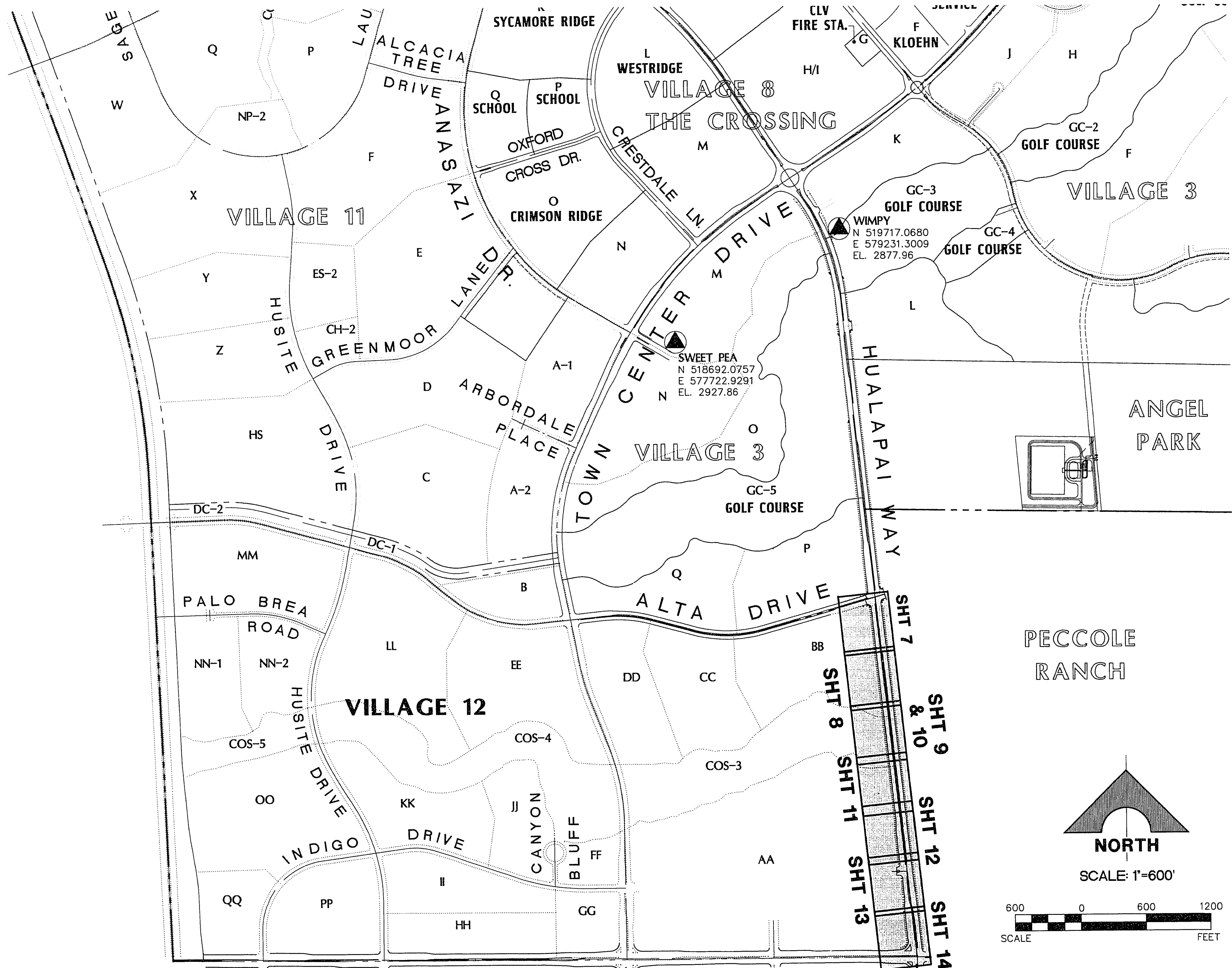
BENCHMARK
CITY OF LAS VEGAS BENCHMARK
0LV001954 RIVET & PLATE IN TOP OF CURB NW SIDE OF TOWN
CENTER DRIVE & SOUTH CIRCLE ISLAND.
2725.923 NGVD 1929 DATUM
2728.37 NAVD 1988 DATUM (831.6074 M)
2726.19 SUMMERLIN DATUM

Avoid cutting underground utility lines. It's costly.

Call before you Dig.

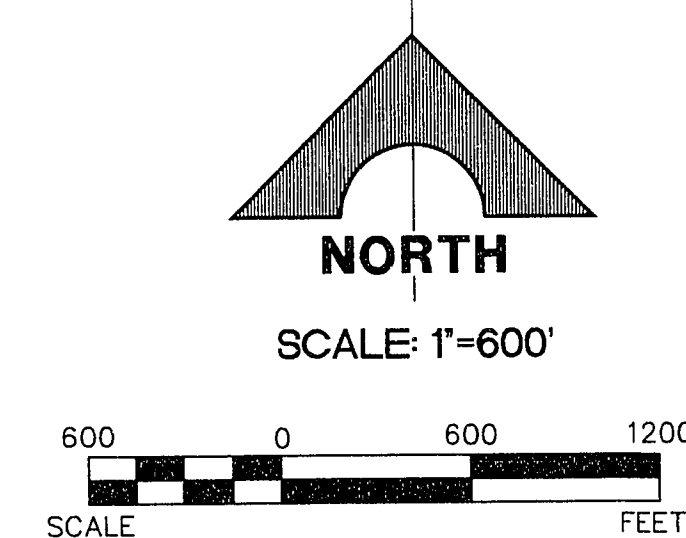
1-800-227-2600

UNDERGROUND SERVICE ALERT (USA)



LOCAL BENCHMARKS/MONUMENT CONTROLS					
MON. NO.	STREET NAME	COORDINATES		DESCRIPTION	ELEV.
		NORTHING	EASTING		
107	HUALAPAI WAY	519717.0680	579231.3009	WIMPY	2877.96
106	TOWN CENTER DRIVE	518,692.0757	577,722.9291	SWEET PEA	2927.86

CHARLESTON BOULEVARD



SHEET INDEX MAP

62003.223 May 25, 1996 4:56:17 p.m. QT Drawing: C:\DWG\VL12\HW-90\HW12SH12.DWG

SHEET	2	OF	20	SUMMERLIN	VILLAGE 12 HUALAPAI WAY IMPROVEMENTS	 G.C. WALLACE, INC. Engineering/Architecture	1555 SOUTH RAINBOW BLVD., LAS VEGAS, NEVADA 89108	RECOMMENDED BY	DATE	REV.	DATE	DESCRIPTION	DATE	APPROVAL
								BERT A. WALLACE	5/24/90					

31-2-163

107-V2542