

- CONSTRUCTION NOTES**
- CONSTRUCT BITUMINOUS SURFACE WITH TYPE II AGGREGATE BASE. (SEE SHEET 8)
 - CONSTRUCT 5' CONCRETE SIDEWALK (USD NO 235)
 - CONSTRUCT SIDEWALK RAMP, CASE I OR II (USD NO 235)
 - CONSTRUCT "L" TYPE CURB AND GUTTER (USD NO 216)
 - CONSTRUCT "A" TYPE CURB (USD NO 219)
 - CONSTRUCT TACK-ON MEDIAN CURB (USD NO 220)
 - CONSTRUCT CONCRETE CROSS GUTTER (USD NO 228)
 - CONSTRUCT RESIDENTIAL DRIVEWAY (USD NO 223)
 - CONSTRUCT PRIVATE STREET (USD NO 225)
 - CONSTRUCT PLANT MIX BITUMINOUS OVERLAY (SEE SHEET 8)
 - CONSTRUCT DEPRESSED CURB FOR FUTURE HANDICAP RAMP
- REMOVALS**
- SAWCUT TO CLEAN EDGE
 - REMOVE EXISTING ASPHALT
 - REMOVE EXISTING CONCRETE
 - REMOVE EXISTING CURB
 - REMOVE EXISTING SIGN
- RELOCATIONS**
- ADJUST UTILITY MANHOLE/VAULT TO GRADE
 - ADJUST MANHOLE COVER TO GRADE (USD NO 408)
 - ADJUST VALVE BOX COVER TO GRADE (UDACS STD PLATE #8)
 - NOT USED
 - RELOCATE DRY UTILITY (BY GOVERNING AGENCY)
 - RELOCATE TRAFFIC SIGN
 - ADJUST ACCESS MANHOLE AND APPURTENANCES TO GRADE PER LVWD STANDARDS
 - RELOCATE TEST STATION PER DETAIL 1 THIS SHEET. CONTACT LAS VEGAS VALLEY WATER DISTRICT FOR ACCEPTABLE LOCATION.

- LEGEND**
- LIMITS OF PAVEMENT OVERLAY
 - LIMITS OF NEW AC PAVEMENT
 - LIMITS OF AC PAVEMENT REMOVAL
 - LIMITS OF NEW CONCRETE
- LEGEND**
- LIMITS OF PAVEMENT OVERLAY
 - LIMITS OF NEW AC PAVEMENT
 - LIMITS OF AC PAVEMENT REMOVAL
 - LIMITS OF NEW CONCRETE

BASIS OF BEARING

NORTH AMERICAN DATUM - 1983 (NAD83), NEVADA COORDINATE SYSTEM - 1983 (NCS83), EAST ZONE (2701), MODIFIED AS SHOWN BY A MAP ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA IN FILE 89 OF RECORDS OR SURVEYS, PAGE 3

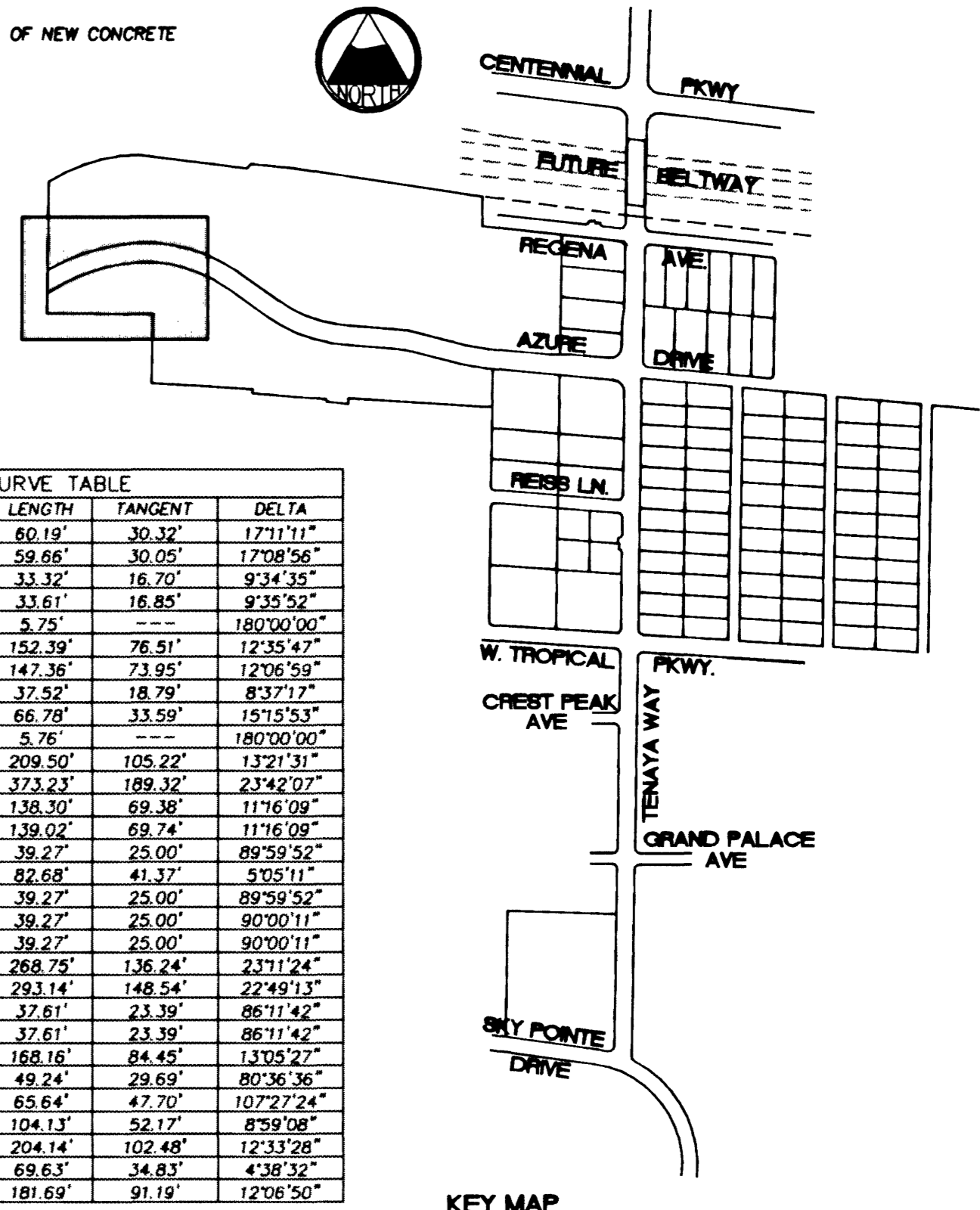
BENCHMARKS:

#11V90/2774, CLV, PLS 2050 AL CAP W/1/4 SEC.27 ELEV. 2381.17 NAVD 88

#11V90/2774, CLV, AL CAP, PLS 2984, CENTENNIAL PKWY & TENAYA WAY ELEV. 2356.41 NAVD 88

CURVE TABLE

| CURVE | RADIUS | LENGTH | TANGENT | DELTA |
|-------|--------|--------|---------|---------|
| C1 | 200.67 | 60.19 | 30.32 | 171°11' |
| C2 | 199.33 | 58.66 | 30.05 | 170°56" |
| C3 | 199.33 | 33.32 | 16.70 | 93°43" |
| C4 | 200.67 | 33.61 | 16.85 | 93°52" |
| C5 | 1.83 | 5.75 | --- | 180°00" |
| C6 | 693.17 | 152.39 | 76.51 | 123°54" |
| C7 | 696.83 | 147.36 | 73.95 | 123°59" |
| C8 | 249.33 | 37.52 | 18.79 | 83°21" |
| C9 | 250.67 | 66.78 | 33.59 | 151°53" |
| C10 | 1.83 | 5.76 | --- | 180°00" |
| C11 | 698.54 | 209.50 | 105.22 | 132°31" |
| C12 | 902.21 | 373.23 | 189.32 | 234°27" |
| C13 | 703.17 | 138.30 | 69.38 | 111°09" |
| C14 | 706.83 | 139.02 | 69.74 | 111°09" |
| C15 | 25.00 | 39.27 | 25.00 | 89°59" |
| C16 | 931.38 | 82.68 | 41.37 | 50°51" |
| C17 | 25.00 | 39.27 | 25.00 | 89°59" |
| C18 | 25.00 | 39.27 | 25.00 | 90°00" |
| C19 | 654.00 | 268.75 | 136.24 | 231°24" |
| C20 | 736.00 | 293.14 | 148.54 | 224°13" |
| C21 | 25.00 | 37.61 | 23.39 | 86°11" |
| C22 | 736.00 | 168.16 | 84.42 | 130°52" |
| C23 | 35.00 | 49.24 | 29.69 | 80°36" |
| C24 | 654.00 | 65.64 | 47.70 | 107°22" |
| C25 | 664.00 | 104.13 | 52.17 | 85°08" |
| C26 | 931.38 | 204.14 | 102.48 | 123°28" |
| C27 | 859.38 | 69.63 | 34.83 | 43°32" |
| C28 | 859.38 | 181.69 | 91.19 | 120°50" |



PROCEDURES TO RELOCATE A CORROSION TEST STATION

- EXPOSE THE TEST STATION(S) AND LABEL ALL LEADS ACCORDING TO THE ATYPICAL TEST BOARD DETAIL.
- THE LEADS THAT ARE CONNECTED TO THE PIPE REQUIRE #8 COPPER WIRE WITH HUMWE JACKET SUCH AS RAYCHEM PERMARAD.
- THE LEAD THAT IS CONNECTED TO THE REFERENCE CELL REQUIRES #14 COPPER WIRE WITH A HUMWE JACKET SUCH AS RAYCHEM PERMARAD.
- CONNECT THE TWO WIRES TO BE SPLICED WITH A COPPER BUTT CONNECTION USING THE PROPER CRIMPING TOOL.
- MAKE EACH SPlice USING A SCOTCHCAST RESIN SPlicing KIT, DURCO-CAST UNIVERSAL SPlice KIT OR A RAYCHEM ANODE SPlice ENCAPSULATION KIT.
- RECONNECT THE TEST BOARD TO PROPER LEADS AND PLACE THE TEST BOX AT THE NEW SITE.
- THE TEST BOX AT THE NEW SITE MUST BE INSTALLED ACCORDING TO THE ATYPICAL TEST BOX DETAIL.
- ALL TEST LEADS AND ANODE LEADS INSIDE THE TEST BOX SHALL BE BUNDLED TOGETHER AT 8 INCH INTERVALS WITH NYLON TIES AND SHALL BE PROVIDED WITH A MINIMUM OF 4 FEET OF SLACK.
- ALL TEST LEADS AND ANODE LEADS SHALL BE COLOR CODED WITH COLOR TAPE AT EACH END AND AT 4 FOOT INTERVALS.

APPROVED FOR CONSTRUCTION

[Signature] 4/1/02

LAS VEGAS VALLEY WATER DISTRICT DATE

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

DEPARTMENT OF PUBLIC WORKS ENGINEERING DESIGN SECTION

CITY ENGINEER: CHARLES KAJKOWSKI, JR., P.E.

PROJECT MANAGER: THERESA M. HANRAHAN, P.E.

400 EAST STEWART LAS VEGAS NV, 89101 (702) 229-5276

PRIMAS AND ASSOCIATES CONSULTING ENGINEERS

1001 CHAMBERLAIN ROAD SUITE A-3 LAS VEGAS, NV (702) 228-8183 FAX (702) 228-8194

DATE: 4/1/02

REV: 1

SHEET S6 OF 70 SHEETS

DRAWING NO. 107-V3145

DWG NO. 107-V3145

ADDENDUM NO. 5