

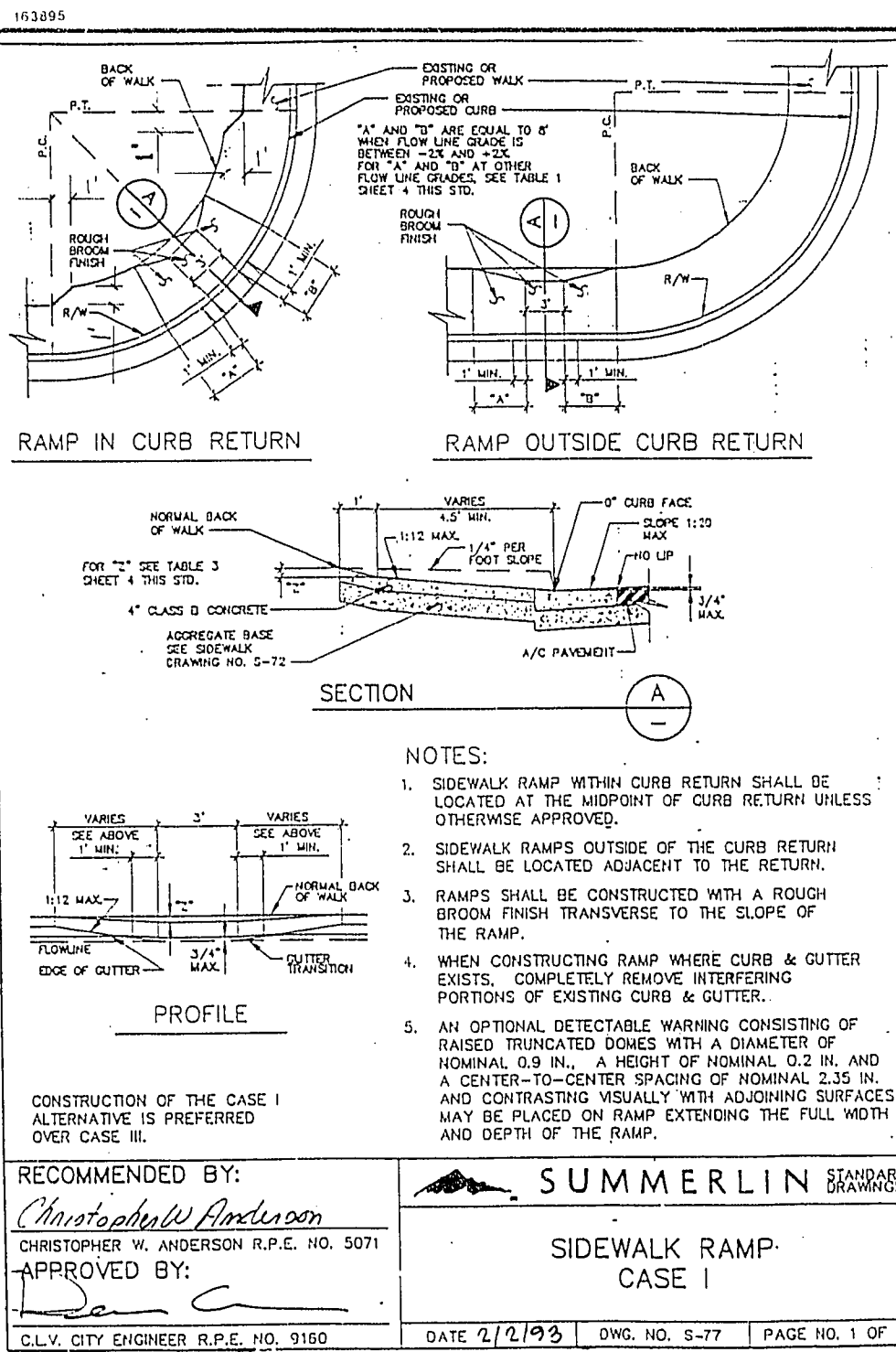


TABLE 1. TRANSITION LENGTHS FOR 1:12 SIDE SLOPES

| GRADE (FT)<br>"B" TO "A" | "A" (FT.)<br>MIN. | "B" (FT.)<br>MIN. |
|--------------------------|-------------------|-------------------|
| -6 TO -5.01              | 4.5               | 21.5              |
| -5 TO -4.01              | 4.5               | 15.0              |
| -4 TO -3.01              | 4.5               | 12.0              |
| -3 TO -2.01              | 4.5               | 9.5               |
| -2 TO 2                  | 8.0               | 6.0               |
| 2.01 TO 3                | 9.5               | 4.5               |
| 3.01 TO 4                | 12.0              | 4.5               |
| 4.01 TO 5                | 15.0              | 4.5               |
| 5.01 TO 6                | 21.5              | 4.5               |

TABLE 2. TRANSITION LENGTHS FOR 1:10 SIDE SLOPES

| GRADE (FT)<br>"B" TO "A" | "A" (FT.)<br>MIN. | "B" (FT.)<br>MIN. |
|--------------------------|-------------------|-------------------|
| -6 TO -5.01              | 4.0               | 12.5              |
| -5 TO -4.01              | 4.0               | 10.0              |
| -4 TO -3.01              | 4.0               | 8.5               |
| -3 TO -2.01              | 4.0               | 7.5               |
| -2 TO 2                  | 6.5               | 6.5               |
| 2.01 TO 3                | 7.5               | 4.0               |
| 3.01 TO 4                | 8.5               | 4.0               |
| 4.01 TO 5                | 10.0              | 4.0               |
| 5.01 TO 6                | 12.5              | 4.0               |

TABLE 3. DEPTH OF DEPRESSION

| SIDEWALK<br>WIDTH (FT.) | "Y" (IN.)<br>MIN. | "Z" (IN.)<br>MIN. |
|-------------------------|-------------------|-------------------|
| 4                       | 2.75              | 3.50              |
| 5                       | 2.00              | 2.75              |
| 6                       | 1.25              | 2.00              |

NOTE:  
CHARTS APPLY TO CURB WITH 6" CURB FACE.  
IF CURB HAS GREATER THAN A 6" CURB FACE,  
A SPECIAL DESIGN IS REQUIRED.

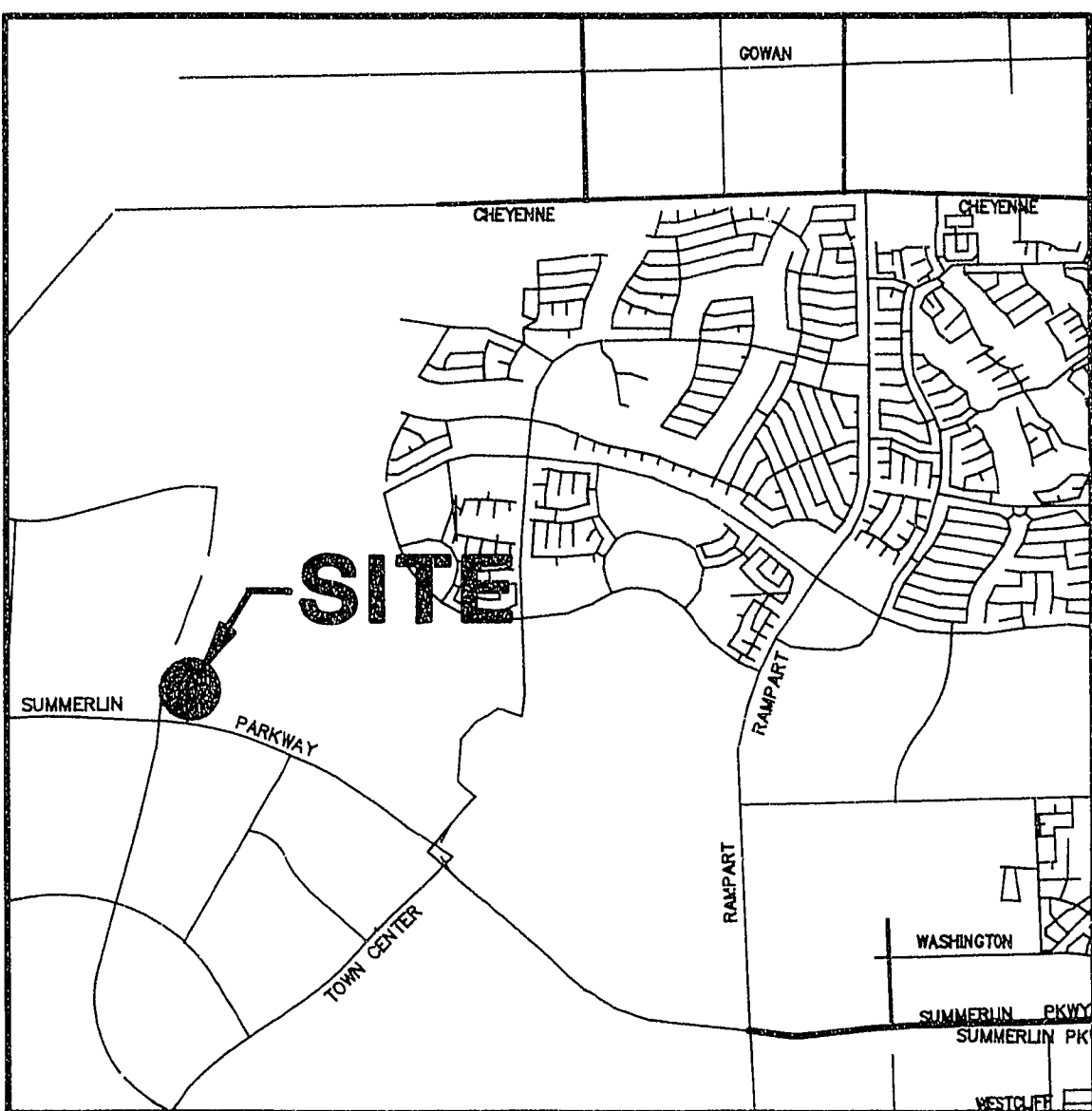
RECOMMENDED BY:  
*Christopher W. Anderson*  
CHRISTOPHER W. ANDERSON R.P.E. NO. 5071  
APPROVED BY:  
*[Signature]*  
CLV. CITY ENGINEER R.P.E. NO. 8160

SUMMERLIN  
SIDEWALK RAMP  
CASE I  
DATE 2/2/95 DWG. NO. S-77 PAGE NO. 1 OF 4

# IMPROVEMENT PLANS

## FOR INDIAN HILLS UNIT 5

CITY OF LAS VEGAS  
STATE OF NEVADA



VICINITY MAP

### QUANTITY ESTIMATES

|                            |             |
|----------------------------|-------------|
| TYPE I                     | 764 C.Y.    |
| TYPE II                    | 710 C.Y.    |
| EXCAVATION AND EMBANKMENT  | 13,300 C.Y. |
| 2" A.C. PAVEMENT           | 4,584 S.Y.  |
| 4" TYPE CURB AND GUTTER    | 2,848 L.F.  |
| VALLEY GUTTER              | 2,698 S.F.  |
| SIDEWALK                   | 2,098 S.F.  |
| STREETLIGHTS               | 8 EA.       |
| DRIVEWAY                   | 2,880 S.F.  |
| 18" ISLAND CURB AND GUTTER | 126 L.F.    |

### DEVIATIONS FROM STANDARDS

- DEVIATION FROM S.I.S. STD. DWG. NO. S-16 TO ALLOW 29' INTERIOR STREET SECTION AT PRIVATE STREETS.
- DEVIATION FROM S.I.S. STD. DWG. NO. S-12 TO ALLOW A CROSSFALL STREET SECTION WITHIN THE ENTRY ROAD (SEE SHEET NO. 5).

### SHEET INDEX

- COVER SHEET
- ROUGH GRADING PLAN
- ROUGH GRADING PLAN
- ROUGH GRADING PLAN
- 4A. GRADING DETAIL SHEET
- STREET PLAN AND PROFILE - BRIGHT ARROW LANE / RED FLOWER PLACE
- STREET PLAN AND PROFILE - NIGHTRIDER DRIVE / SINGING WIND PLACE
- STREET PLAN AND PROFILE - SUN CLOUD PLACE / SHINING FEATHER LANE
- MASTER UTILITY PLAN
- SEWER PLAN AND PROFILE - NIGHTRIDER DRIVE / SINGING WIND PLACE
- SEWER PLAN AND PROFILE - RED FLOWER PLACE / SUN CLOUD PLACE / SHINING FEATHER LANE

### GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "SUMMERLIN IMPROVEMENT STANDARDS", CLARK COUNTY AREA, LATEST ISSUE; THE UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA, LATEST ISSUE; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
- 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, AT HIS OWN EXPENSE, 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 EXTREME CAUTION 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.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES, AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER OR OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
- ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
- 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.
- PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
- EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 150' IN EXTRUDED TYPE CURB.

#### BENCHMARK

CONTROL POINT "SPANKY" A  
BRASS CAP SET IN CONCRETE STAMPED  
"442", SET BY GC WALLACE ENGINEERING AND  
USED FOR BENCHMARK FOR SUMMERLIN  
CONSTRUCTION.  
ELEVATION = 2825.35 (NVGD'29)  
ELEVATION EQUATION: (NVGD'29) ELEV. = 2.437 + NAVD'88 ELEV.

### SUMMERLIN APPROVAL

GERALD M. ROBBINS

### APPROVAL

DENNIS ANDERSON, P.E.  
LAS VEGAS CITY ENGINEER

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 ON ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS EXCEPT THOSE SPECIFICALLY LISTED UNDER "DEVIATIONS FROM STANDARDS" IN FAVOR OF THE UNIFORM STANDARDS DRAWINGS AND SPECIFICATIONS CLARK COUNTY AREA NEVADA.

PLASTER DEVELOPMENT

CITY OF LAS VEGAS

CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS  
2727 SOUTH RAINBOW BOULEVARD  
LAS VEGAS, NEVADA 89102-5148 PHONE (702) 573-7550 FAX (702) 362-2597

nevada

COVER SHEET

INDIAN HILLS  
UNIT 5

SEAL

7/12/95

WO NO. 4820

BY JEM

DATE JUNE, 95

SCALE NONE

SHEET

1 OF 10 SHEETS

1-23-1

1074-4410-5