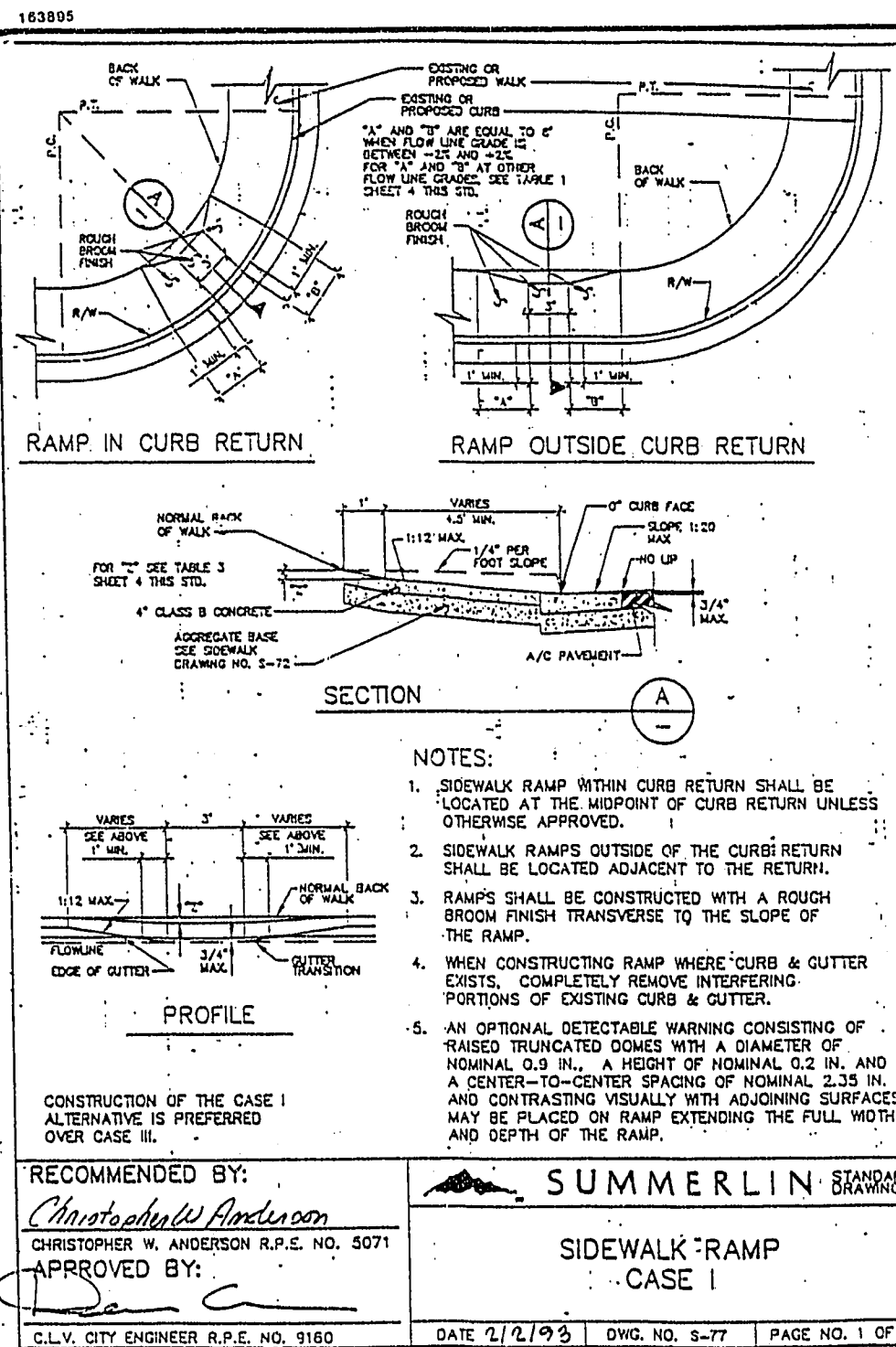




GRADE (FT.) "B" TO "A"	"A" (FT.) MIN.	"B" (FT.) MIN.
-6 TO -5.01	4.5	21.5
-5 TO -4.01	4.5	15.0
-4 TO -3.01	4.5	12.0
-3 TO -2.01	4.5	9.5
-2 TO -1	8.0	8.0
2.01 TO 3	6.5	4.5
3.01 TO 4	12.0	4.5
4.01 TO 5	15.0	4.5
5.01 TO 6	21.5	4.5

TABLE 1. TRANSITION LENGTHS FOR 1:12 SIDE SLOPES

GRADE (FT.) "B" TO "A"	"A" (FT.) MIN.	"B" (FT.) MIN.
-6 TO -5.01	4.5	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 -1	6.5	6.5
2.01 TO 3	7.5	4.0
3.01 TO 4	8.5	4.0
4.01 TO 5	10.5	4.0
5.01 TO 6	12.5	4.0

TABLE 2. TRANSITION LENGTHS FOR 1:10 SIDE SLOPES

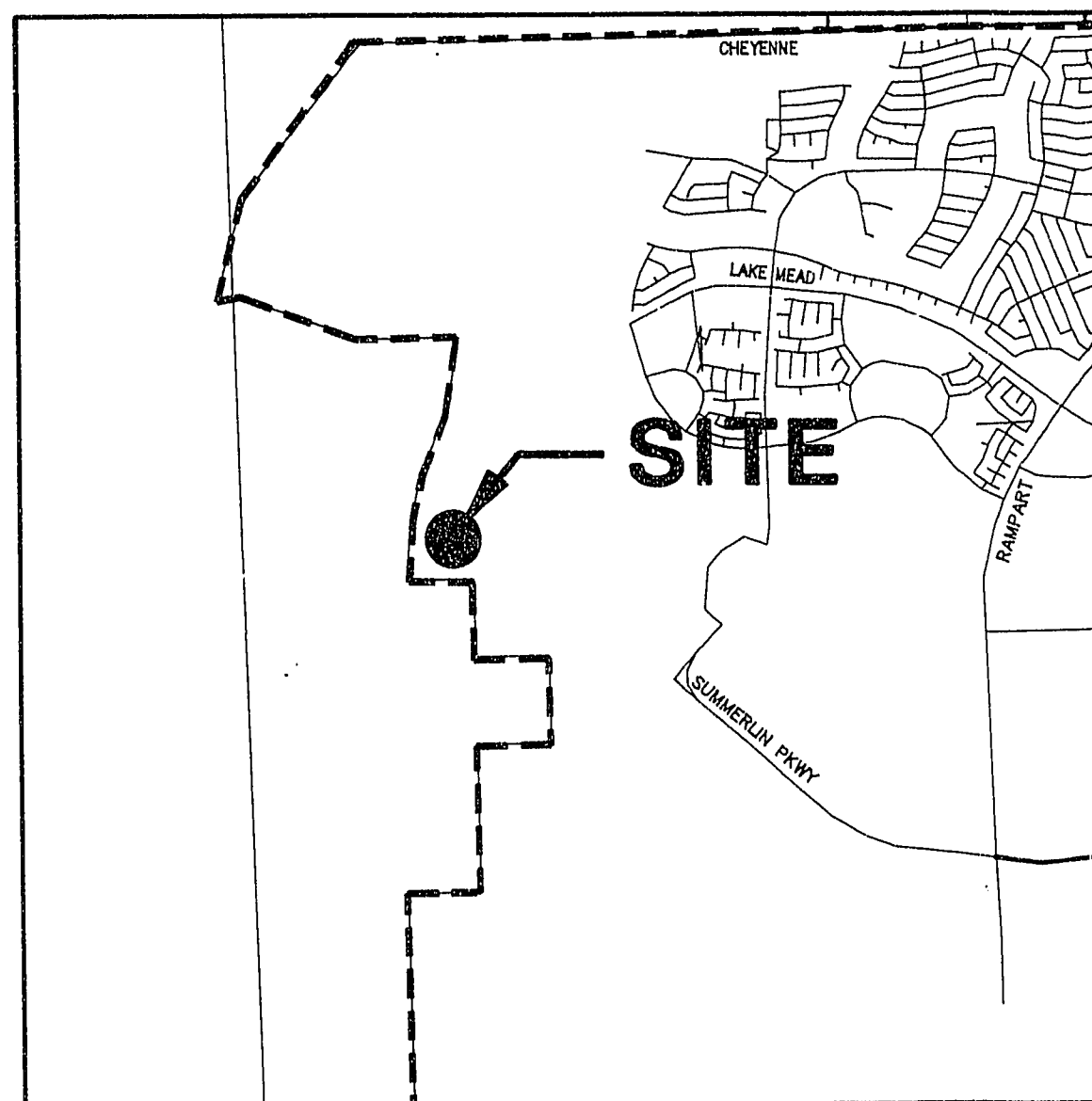
SIDEWALK WIDTH (FT.)	"A" (IN.) MIN.	"B" (IN.) MIN.
4	2.75	3.50
5	2.00	2.75
6	1.25	2.00

TABLE 3. DEPTH OF DEPRESSION

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. 9160

SUMMERLIN STANDARD
SIDEWALK RAMP
TABLES FOR TRANSITION LENGTHS
DATE 3/2/95 DWG. NO. S-77 PAGE NO. 4 OF 4



VICINITY MAP

GENERAL NOTES

1. 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".
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, 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.
3. 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.
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 100' IN EXTRUDED TYPE CURB.

BENCHMARK

CONTROL POINT "SPANKY" A
BRASS CAP SET IN CONCRETE STAMPED
"642" SET BY DC WALLACE ENGINEERING AND
USED FOR BENCHMARK FOR SUMMERLIN
CONSTRUCTION.
ELEVATION = 2825.38 (NGVD'29)
ELEVATION EQUATION: (NGVD'29) ELEV. +2.437 = NAVD '88 ELEV.

IMPROVEMENT PLANS

FOR INDIAN HILLS UNIT 1

CITY OF LAS VEGAS
STATE OF NEVADA

QUANTITY ESTIMATES

TYPE II	1733 C.Y.
EXCAVATION AND EMBANKMENT	25,100 C.Y.
2" A.C. PAVEMENT	11,328 S.Y.
30" "ROLL" CURB AND GUTTER	4741 L.F.
18" ISLAND CURB AND GUTTER	191 L.F.
"L" TYPE CURB AND GUTTER	207 L.F.
VALLEY GUTTER	4,360 S.F.
SIDEWALK	12,320 S.F.
STREETLIGHTS	14 EA.
DRIVEWAY	3096 S.F.

DEVIATIONS FROM STANDARDS

- 1- THE CENTER LINE STREET RADIUS OF 200' FOR GAETA PLACE AS SHOWN ON SHEET 8 OF 16, (NOT 300' AS REQUIRED BY S.I.S. DC-1) IS A DEVIATION FROM STANDARDS.
- 2- DEVIATION FROM S.I.S. STD. DWG. NO. S-12 TO ALLOW OFF-SET CROWN WITHIN ENTRY ROAD AT UNIT 1 (SEE SHEET NO. 6).
- 3- DEVIATION FROM S.I.S. STD. DWG. NO. S-39 TO ALLOW 5.00 FEET CENTER LINE OFF-SET AT END OF CUL-DE-SAC. (SEE SHEET NO. 9)

SHEET INDEX

- 1.- COVER SHEET
- 2.- ROUGH GRADING PLAN
- 3.- ROUGH GRADING PLAN
- 4.- ROUGH GRADING PLAN
- 5.- GRADING DETAILS
- 6.- STREET PLAN AND PROFILE - ASTI PLACE/FOLLINA LANE
- 7.- STREET PLAN AND PROFILE - ABANO COURT/RIVA DEL GARDA PLACE
- 8.- STREET PLAN AND PROFILE - SONDRIO DRIVE/GAETA PLACE
- 9.- STREET PLAN AND PROFILE - VERBANIA DRIVE
- 10.- MASTER UTILITY PLAN
- 11.- MASTER UTILITY PLAN
- 12.- MASTER UTILITY PLAN - OFFSITE WATER PLAN
- 13.- SEWER PLAN AND PROFILE - ASTI PLACE/FOLLINA LANE
- 14.- SEWER PLAN AND PROFILE - ABANO COURT/RIVA DEL GARDA PLACE
- 15.- SEWER PLAN AND PROFILE - SONDRIO DRIVE/GAETA PLACE
- 16.- SEWER PLAN AND PROFILE - VERBANIA DRIVE

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 Uniform Standards Drawings and Specifications Clark County Area Nevada..

APPROVAL

[Signature]
DENNIS ANDERSON, P.E.
LAS VEGAS CITY ENGINEER
SUMMERLIN APPROVAL
[Signature]
GERALD M. ROBBINS

10-18-95
DATE

10/10/95
DATE

PLASTER DEVELOPMENT
CITY OF LAS VEGAS

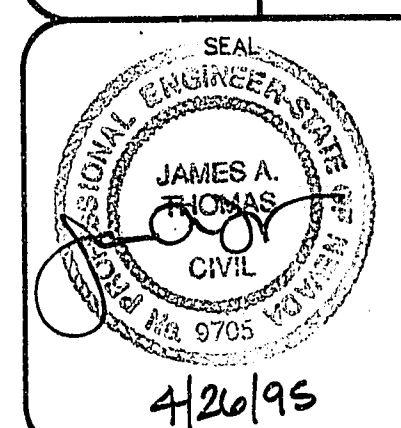
REVISION
DATE
BY
REV

CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS
2727 SOUTH RAINBOW BOULEVARD
LAS VEGAS, NEVADA 89102-5148 PHONE (702) 873-7550 FAX (702) 362-2597

mtm nevada

COVER SHEET

INDIAN HILLS
UNIT 1



WO NO. 4820
BY JEM
DATE APR., '95
SCALE NONE
SHEET 1 OF 16 SHEETS