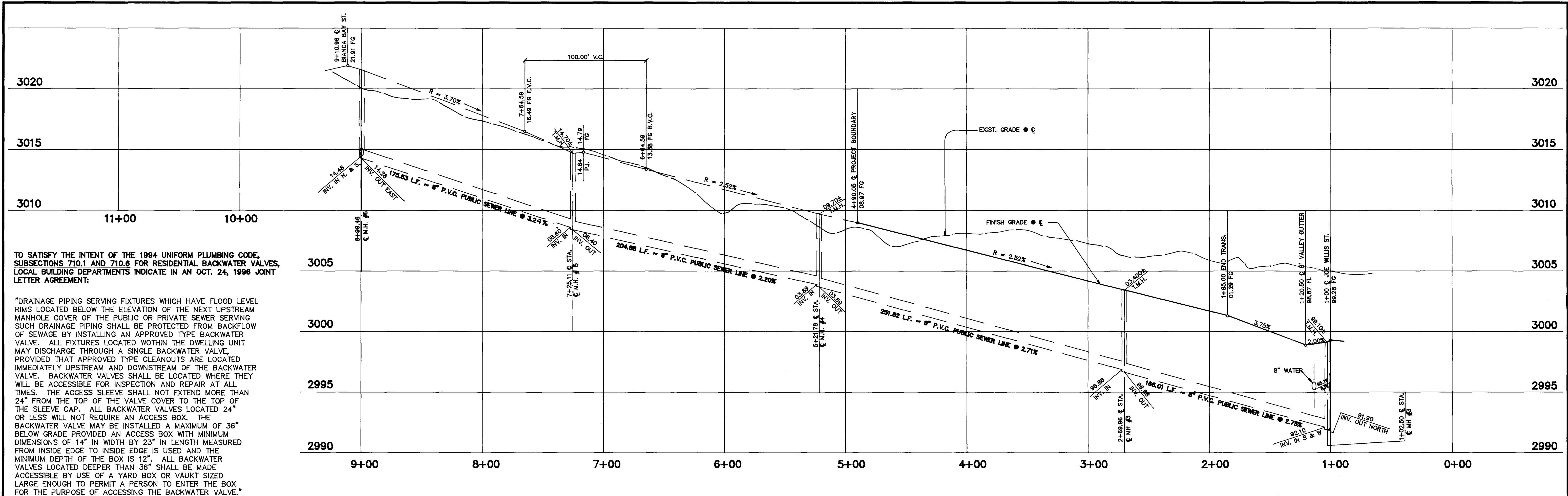
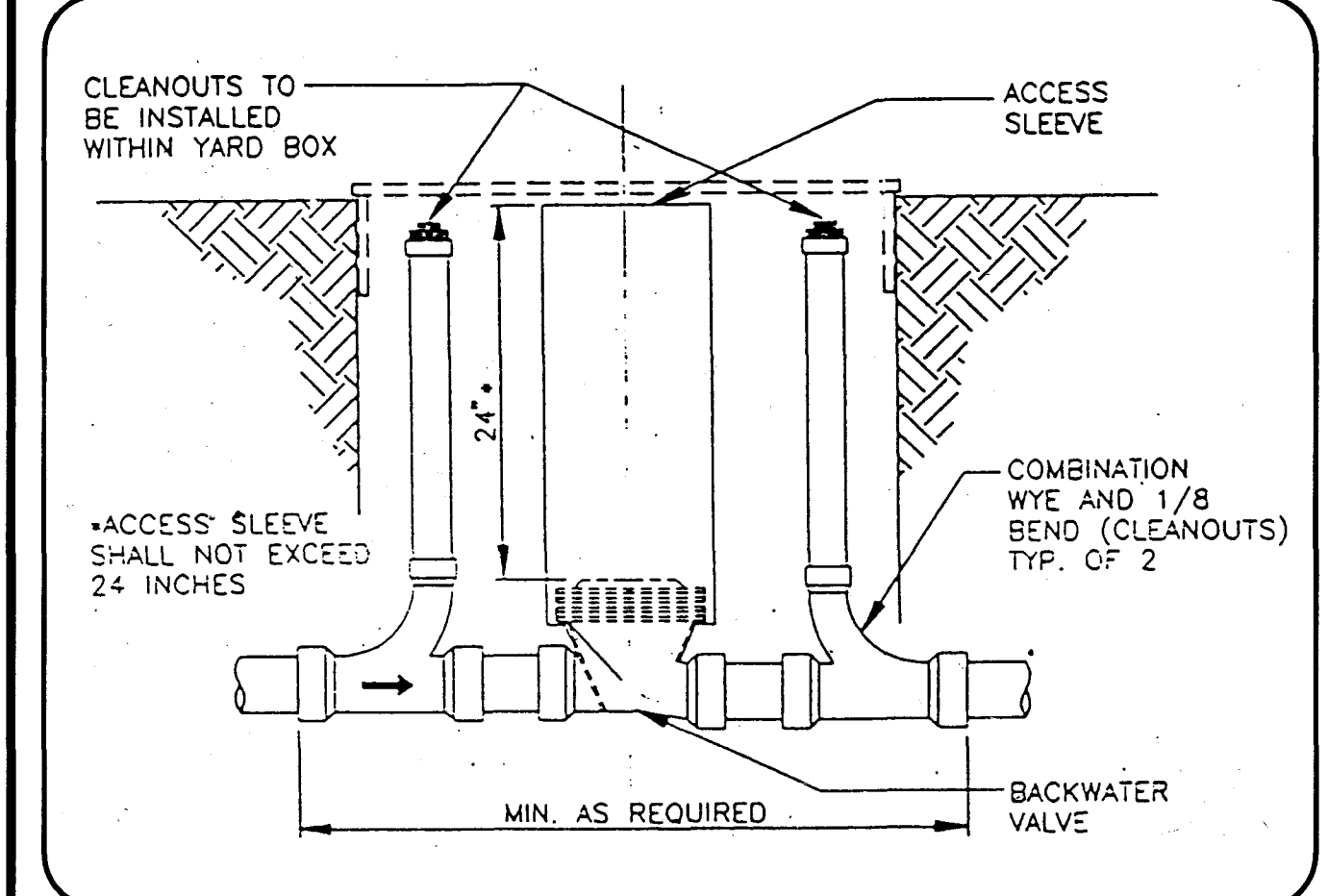




TO SATISFY THE INTENT OF THE 1994 UNIFORM PLUMBING CODE, SUBSECTIONS 710.1 AND 710.6 FOR RESIDENTIAL BACKWATER VALVES, LOCAL BUILDING DEPARTMENTS INDICATE IN AN OCT. 24, 1998 JOINT LETTER AGREEMENT:

"DRAINAGE PIPING SERVING FIXTURES WHICH HAVE FLOOD LEVEL RIMS LOCATED BELOW THE ELEVATION OF THE NEXT UPSTREAM MANHOLE COVER OF THE PUBLIC OR PRIVATE SEWER SERVING SUCH DRAINAGE PIPING SHALL BE PROTECTED FROM BACKFLOW OF SEWAGE BY INSTALLING AN APPROVED TYPE BACKWATER VALVE. ALL FIXTURES LOCATED WITHIN THE DWELLING UNIT MAY DISCHARGE THROUGH A SINGLE BACKWATER VALVE, PROVIDED THAT APPROVED TYPE CLEANOUTS ARE LOCATED IMMEDIATELY UPSTREAM AND DOWNSTREAM OF THE BACKWATER VALVE. BACKWATER VALVES SHALL BE LOCATED WHERE THEY WILL BE ACCESSIBLE FOR INSPECTION AND REPAIR AT ALL TIMES. THE ACCESS SLEEVE SHALL NOT EXTEND MORE THAN 24" FROM THE TOP OF THE VALVE COVER TO THE TOP OF THE SLEEVE CAP. ALL BACKWATER VALVES LOCATED 24" OR LESS WILL NOT REQUIRE AN ACCESS BOX. THE BACKWATER VALVE MAY BE INSTALLED A MAXIMUM OF 36" BELOW GRADE PROVIDED AN ACCESS BOX WITH MINIMUM DIMENSIONS OF 14" IN WIDTH BY 23" IN LENGTH MEASURED FROM INSIDE EDGE TO INSIDE EDGE IS USED AND THE MINIMUM DEPTH OF THE BOX IS 12". ALL BACKWATER VALVES LOCATED DEEPER THAN 36" SHALL BE MADE ACCESSIBLE BY USE OF A YARD BOX OR VAULT SIZED LARGE ENOUGH TO PERMIT A PERSON TO ENTER THE BOX FOR THE PURPOSE OF ACCESSING THE BACKWATER VALVE."



- NOTES:**
- 36" MAX. DEPTH WITH BOX - MIN. DIMENSION 14"x23"x12" IN DEPTH.
  - VALVE LOCATED DEEPER THAN 36" SHALL BE SIZED TO PERMIT PERSON TO ENTER BOX.
  - REMOVE VALVE ASSEMBLY TO CLEAN OUT BEHIND CLAPPER.

**Q CURVE DATA**

| CURVE | RADIUS   | LENGTH  | TANGENT | DELTA     |
|-------|----------|---------|---------|-----------|
| CL1   | 1522.50' | 169.96' | 85.07'  | 06°23'48" |

**BCR CURVE DATA**

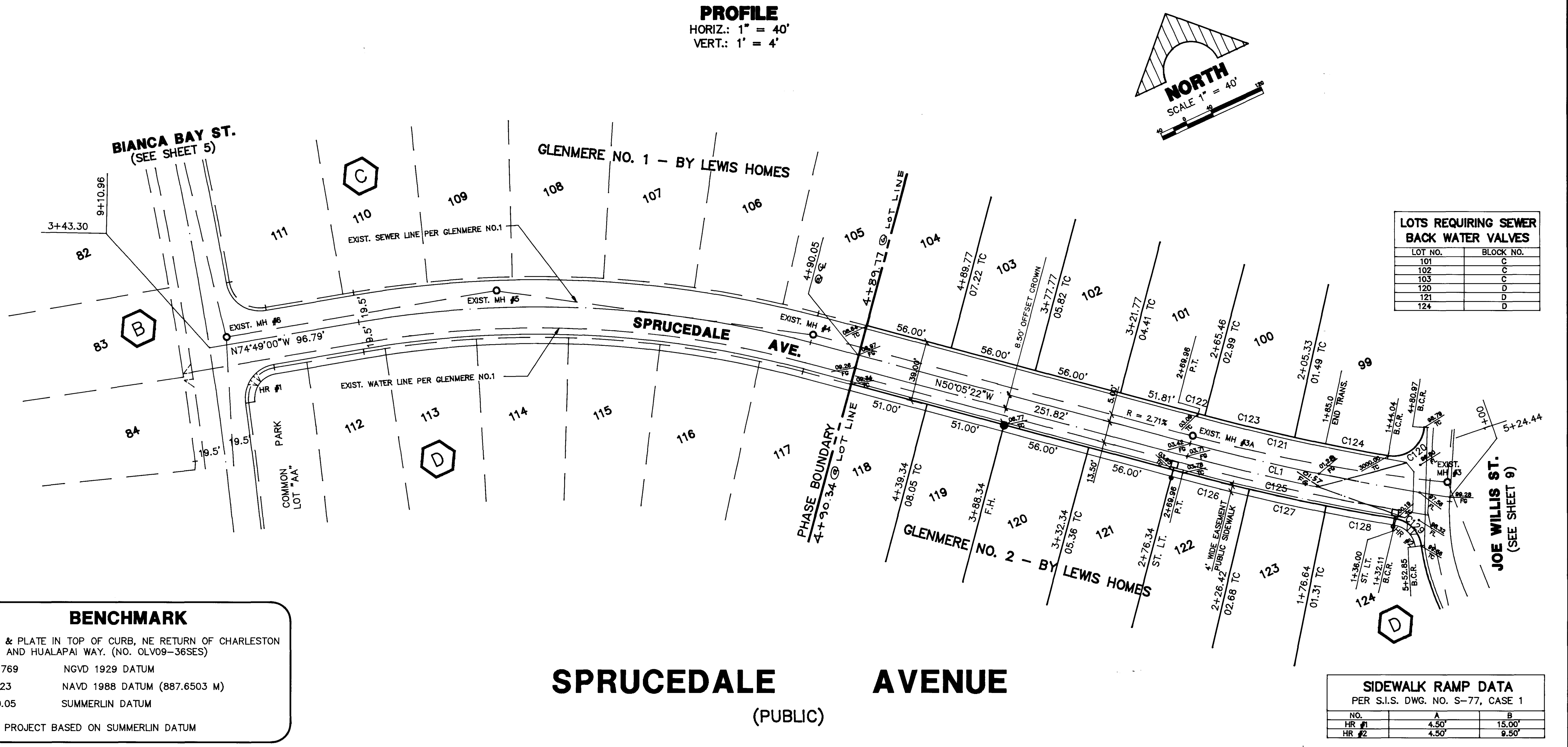
| CURVE | RADIUS   | LENGTH  | TANGENT | DELTA     |
|-------|----------|---------|---------|-----------|
| C18   | 20.00'   | 30.78'  | 19.38'  | 88°10'53" |
| C19   | 20.00'   | 31.37'  | 19.95'  | 89°51'53" |
| C26   | 697.00'  | 23.39'  | 11.70'  | 01°55'21" |
| C27   | 697.00'  | 57.96'  | 29.00'  | 04°45'53" |
| C28   | 697.00'  | 58.51'  | 29.27'  | 04°48'34" |
| C29   | 697.00'  | 54.60'  | 27.32'  | 04°29'19" |
| C30   | 697.00'  | 47.84'  | 23.93'  | 03°55'56" |
| C31   | 658.00'  | 13.79'  | 6.89'   | 01°12'01" |
| C32   | 658.00'  | 59.00'  | 29.52'  | 05°08'14" |
| C33   | 658.00'  | 64.79'  | 32.42'  | 05°38'28" |
| C34   | 658.00'  | 28.41'  | 14.21'  | 02°28'28" |
| C120  | 20.00'   | 33.62'  | 22.33'  | 96°18'37" |
| C121  | 1503.00' | 124.31' | 62.19'  | 04°44'19" |
| C122  | 1503.00' | 4.44'   | 2.22'   | 00°10'10" |
| C123  | 1503.00' | 59.36'  | 29.68'  | 02°15'46" |
| C124  | 1503.00' | 60.50'  | 30.28'  | 02°18'23" |
| C125  | 1542.00' | 139.61' | 69.86'  | 05°11'15" |
| C126  | 1542.00' | 44.10'  | 22.05'  | 01°38'19" |
| C127  | 1542.00' | 50.41'  | 25.21'  | 01°52'24" |
| C128  | 1542.00' | 145.10' | 72.63'  | 01°40'33" |
| C129  | 20.00'   | 25.22'  | 14.60'  | 72°15'46" |

**BENCHMARK**

RIVET & PLATE IN TOP OF CURB, NE RETURN OF CHARLESTON BLVD. AND HUALAPAI WAY. (NO. 0LV09-36SES)

2909.769 NGVD 1929 DATUM  
 2912.23 NAVD 1988 DATUM (887.6503 M)  
 \*2910.05 SUMMERLIN DATUM

\*THIS PROJECT BASED ON SUMMERLIN DATUM



**LOTS REQUIRING SEWER BACK WATER VALVES**

| LOT NO. | BLOCK NO. |
|---------|-----------|
| 101     | C         |
| 102     | C         |
| 103     | C         |
| 120     | D         |
| 121     | D         |
| 124     | D         |

**SIWALK RAMP DATA**  
 PER S.I.S. DWG. NO. S-77, CASE 1

| NO.   | A     | B      |
|-------|-------|--------|
| HR #1 | 4.50' | 15.00' |
| HR #2 | 4.50' | 9.50'  |

9710SP23

REV. DATE

3794 1/1/97

R.E. NO.

DESCRIPTION

LEONARD V. DE LUNA

REGISTERED PROFESSIONAL ENGINEER

STATE OF NEVADA

NO. 10000

SHEET CONTENTS:

LEWIS HOMES OF NEVADA

GLENMERE NO. 2 - BY LEWIS HOMES

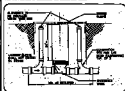
SPRUCEDALE AVENUE

7

OF 12 SHEETS

THESE NOTES ARE TO BE USED IN CONJUNCTION WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 1988 EDITION, AS AMENDED, AND THE STANDARD SPECIFICATIONS FOR HIGHWAY MATERIALS, 1988 EDITION, AS AMENDED, BOTH PUBLISHED BY THE TEXAS DEPARTMENT OF TRANSPORTATION.

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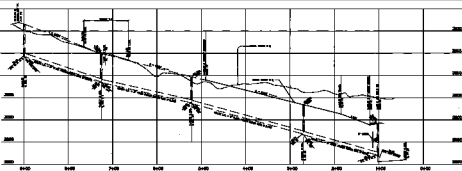
- NOTES:
1. SEE NOTE 100.00 - ALL BRIDGE STRUCTURES SHALL BE DESIGNED TO CARRY A TRUCK LOAD OF 100,000 LBS. (45,000 KG.)
  2. BRIDGE STRUCTURES SHALL BE DESIGNED TO CARRY A TRUCK LOAD OF 100,000 LBS. (45,000 KG.)
  3. BRIDGE STRUCTURES SHALL BE DESIGNED TO CARRY A TRUCK LOAD OF 100,000 LBS. (45,000 KG.)

#### BRIDGE DATA

| BRIDGE NO. | SPAN LENGTH (FT.) | SPAN TYPE | SPAN MATERIAL |
|------------|-------------------|-----------|---------------|
|------------|-------------------|-----------|---------------|

#### BRIDGE CURVE DATA

| BRIDGE NO. | SPAN LENGTH (FT.) | SPAN TYPE | SPAN MATERIAL |
|------------|-------------------|-----------|---------------|
|------------|-------------------|-----------|---------------|



PROFILE  
VERT. 7-7



SPRUCEDALE AVENUE  
(PUBLIC)

| BRIDGE NO. | SPAN LENGTH (FT.) | SPAN TYPE | SPAN MATERIAL |
|------------|-------------------|-----------|---------------|
|------------|-------------------|-----------|---------------|