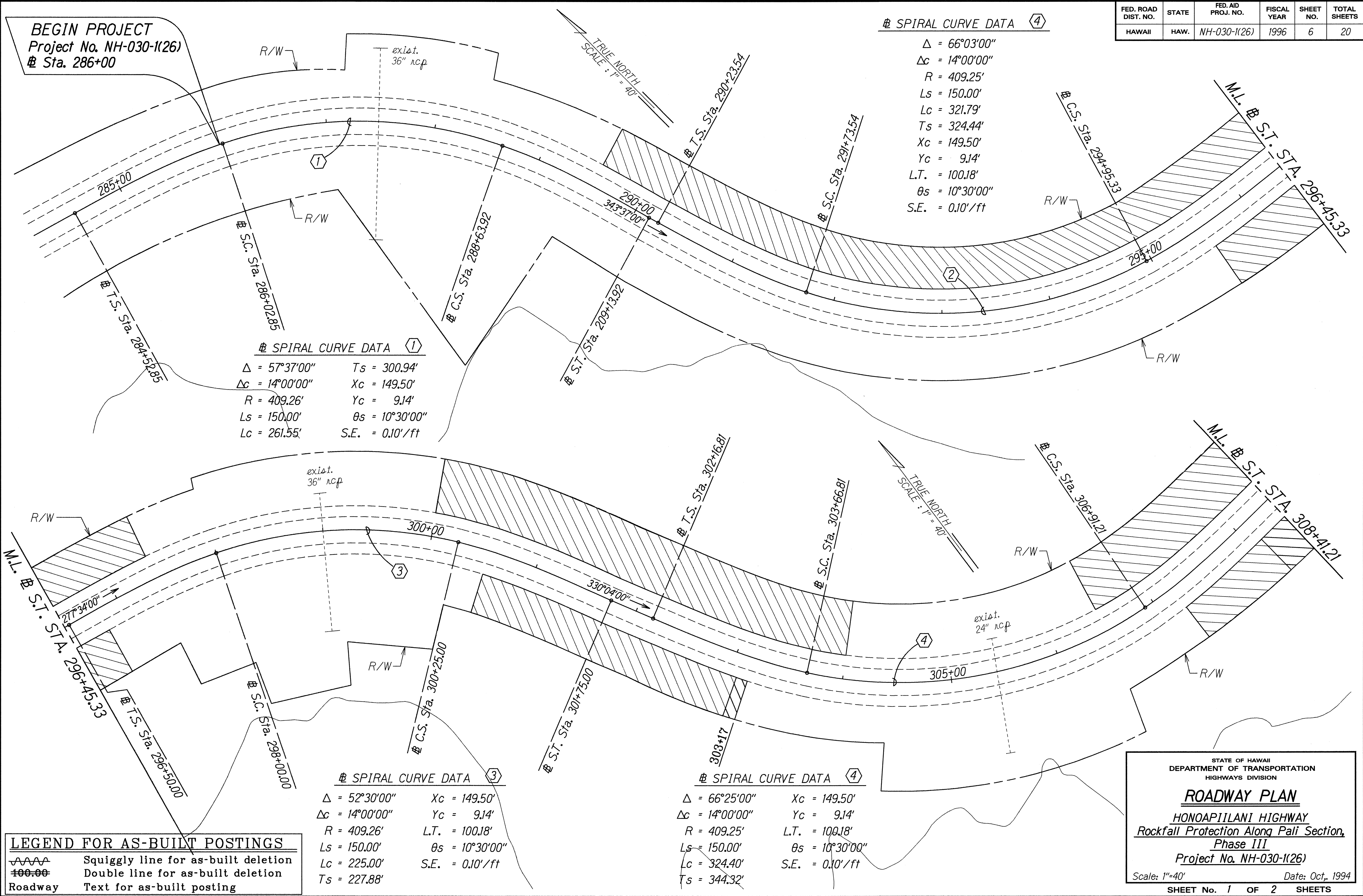


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | NH-030-1(26)       | 1996        | 6         | 20           |



|               |                       |          |
|---------------|-----------------------|----------|
| ORIGINAL PLAN | SURVEY PLOTTED BY     | DATE     |
| NOTE BOOK     | DRAWN BY J. Malsam    | 11-29-96 |
| QUANTITIES BY | TRACED BY D. T. Lough |          |
| CHECKED BY    |                       |          |
|               | N. Alonzi             |          |

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | NH-030-1(26)       | 1996        | 7         | 20           |

# SPIRAL CURVE DATA ⑤

Δ = 66°35'00"      Xc = 149.50'

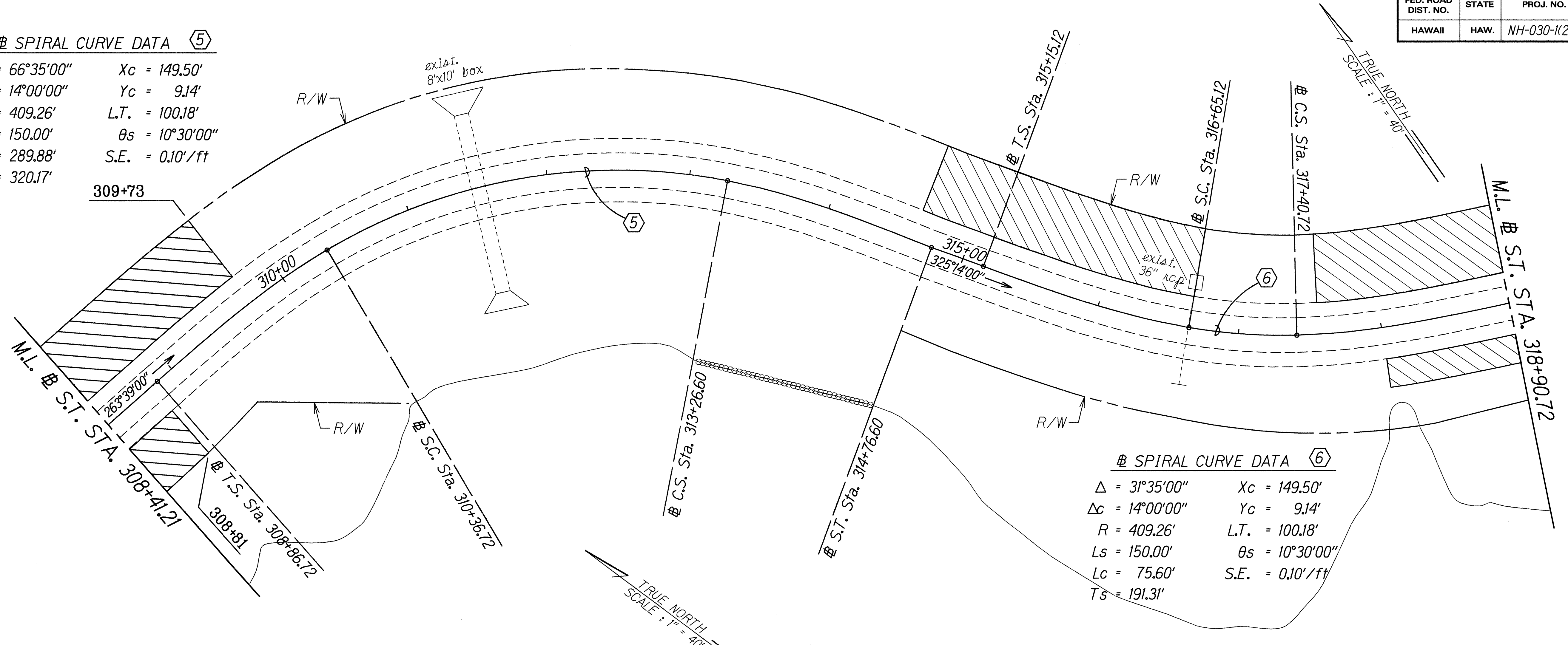
Δc = 14°00'00"      Yc = 9.14'

R = 409.26'      L.T. = 100.18'

Ls = 150.00'      θs = 10°30'00"

Lc = 289.88'      S.E. = 0.10'/ft

Ts = 320.17'



# SPIRAL CURVE DATA ⑥

Δ = 31°35'00"      Xc = 149.50'

Δc = 14°00'00"      Yc = 9.14'

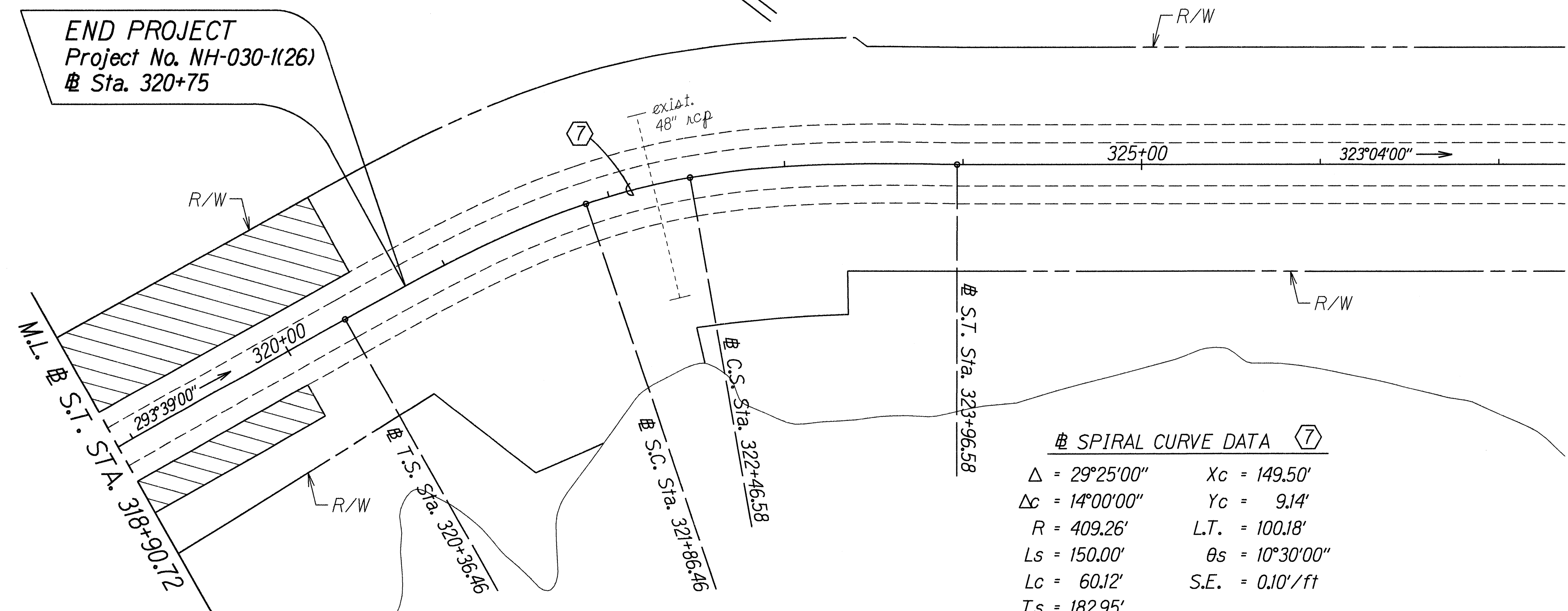
R = 409.26'      L.T. = 100.18'

Ls = 150.00'      θs = 10°30'00"

Lc = 75.60'      S.E. = 0.10'/ft

Ts = 191.31'

END PROJECT  
Project No. NH-030-1(26)  
# Sta. 320+75



# SPIRAL CURVE DATA ⑦

Δ = 29°25'00"      Xc = 149.50'

Δc = 14°00'00"      Yc = 9.14'

R = 409.26'      L.T. = 100.18'

Ls = 150.00'      θs = 10°30'00"

Lc = 60.12'      S.E. = 0.10'/ft

Ts = 182.95'

**LEGEND FOR AS-BUILT POSTINGS**

|  |                                     |
|--|-------------------------------------|
|  | Squiggly line for as-built deletion |
|  | Double line for as-built deletion   |
|  | Text for as-built posting           |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY PLAN**

**HONOAPIILANI HIGHWAY**

**Rockfall Protection Along Pali Section, Phase III**

**Project No. NH-030-1(26)**

Scale: 1"=40'      Date: Oct., 1994

SHEET No. 2 OF 2 SHEETS

|                         |         |
|-------------------------|---------|
| SURVEY PLOTTED BY       | DATE    |
| DRAWN BY J. Matsui      | 7/27/94 |
| CHECKED BY D. Taniguchi |         |
| NOTED BY                |         |
| DATE                    |         |
| CHECKED BY              |         |
| DATE                    |         |

"AS-BUILT"