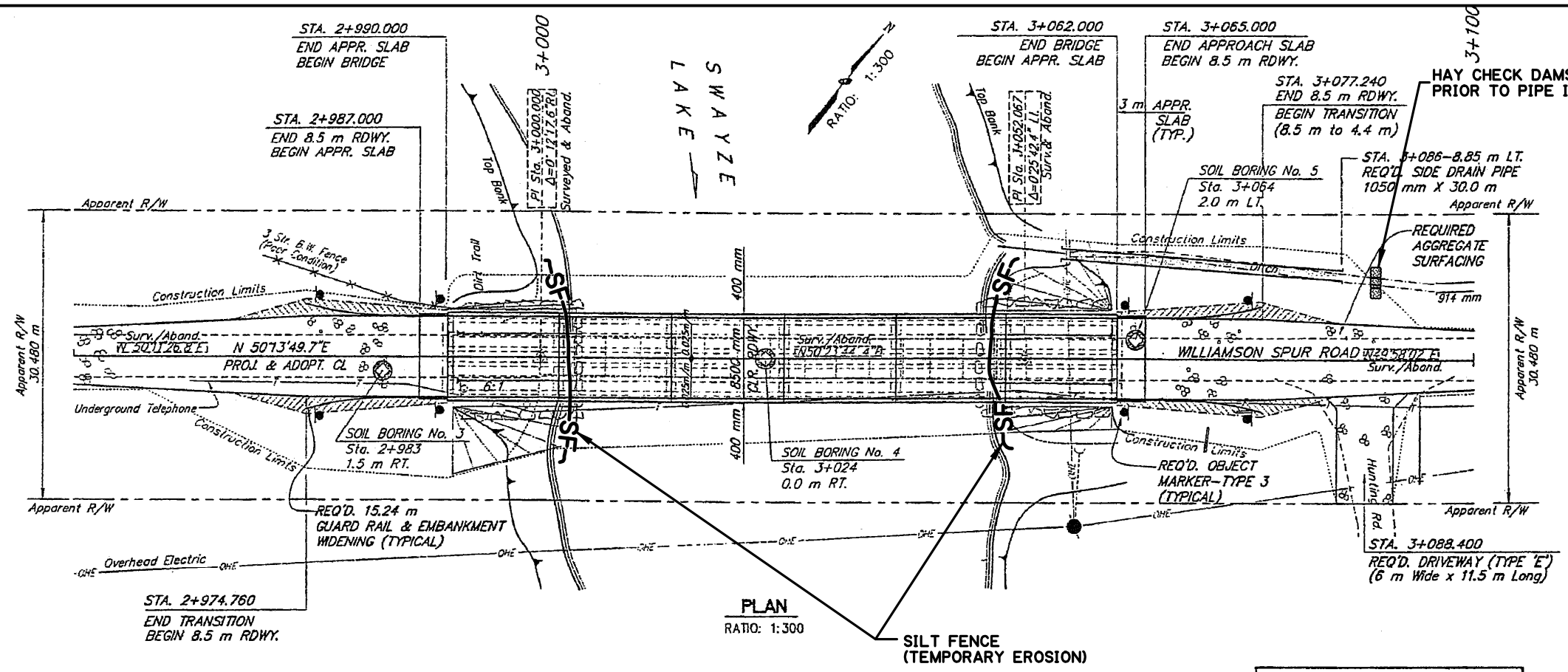


EXAMPLE 2



**REQUIRED STRUCTURE:**  
QUAD BEAM SPAN BRIDGE  
6-12 000 mm SPANS @ 90° 8.5 m RDWY.

STRUCTURE NO. P49-30383-91494-1

EXISTING 4.08 m WIDE X 52.07 m LONG TIMBER BRIDGE, 15 SPANS, BEGINNING AT STA. 3+000 TO BE REMOVED. [PAID FOR UNDER ITEM No. 202-02-A-02.]

**2002 TRAFFIC DATA**

ADT: 150  
CLASS: RL-1  
DESIGN SPEED: 50 km/h

THE CONTRACTOR IS TO REMOVE ALL PARTS OF THE EXISTING BRIDGE IN ITS ENTIRETY AS STIPULATED IN THE CONSTRUCTION SPECIFICATIONS. ALL SALVAGEABLE MATERIALS, INCLUDING LOAD POSTING SIGNS, TO BE LOADED ONTO PARISH TRUCKS AT THE JOB SITE BY THE CONTRACTOR (NO DIRECT PAYMENT) AND HAULED BY THE ST. LANDRY PARISH POLICE JURY MAINTENANCE CREW. DISTRICT TO NOTIFY PARISH. ALL OTHER MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF BY THE CONTRACTOR OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY.

FOR EMBANKMENT WIDENING AND GUARD RAIL DETAILS, SEE STANDARD PLANS GR-203 AND GR-200.

YEAR PLATE REQUIRED AT EACH END OF BRIDGE. SEE STANDARD DETAIL YP-01(M).

ALL EXCAVATION AND EMBANKMENT TO BE IN PLACE BEFORE DRIVING PILES AFFECTED.

EXISTING TIMBER PILES TO BE CUT OFF 300 mm (MIN.) BELOW SOLID CHANNEL BOTTOM. CONTRACTOR TO REMOVE ANY EXISTING PILES THAT INTERFERE WITH THE PLACEMENT OF NEW PILES. (NO DIRECT PAY)

ALL AREAS OF DISTURBED EMBANKMENT SLOPES NOT HAVING REVETMENT ARE TO RECEIVE SEEDING AND FERTILIZING. (NO DIRECT PAY)

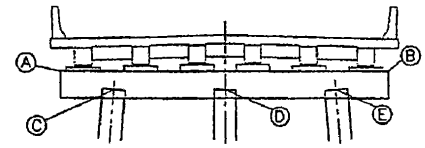
|                                       |               |
|---------------------------------------|---------------|
| SHEET NUMBER                          | 102           |
| ST. LANDRY                            | BR0-002S(920) |
| PARISH                                | 713-49-0112   |
| FEDERAL PROJECT                       |               |
| STATE PROJECT                         |               |
|                                       |               |
| GENERAL PLAN                          |               |
| WILLIAMSON SPUR BRIDGE                |               |
| OFF-SYSTEM BRIDGE REPLACEMENT PROGRAM |               |

**CONSTRUCTION TO OCCUR IN MONTHS OF APRIL THROUGH AUGUST.**

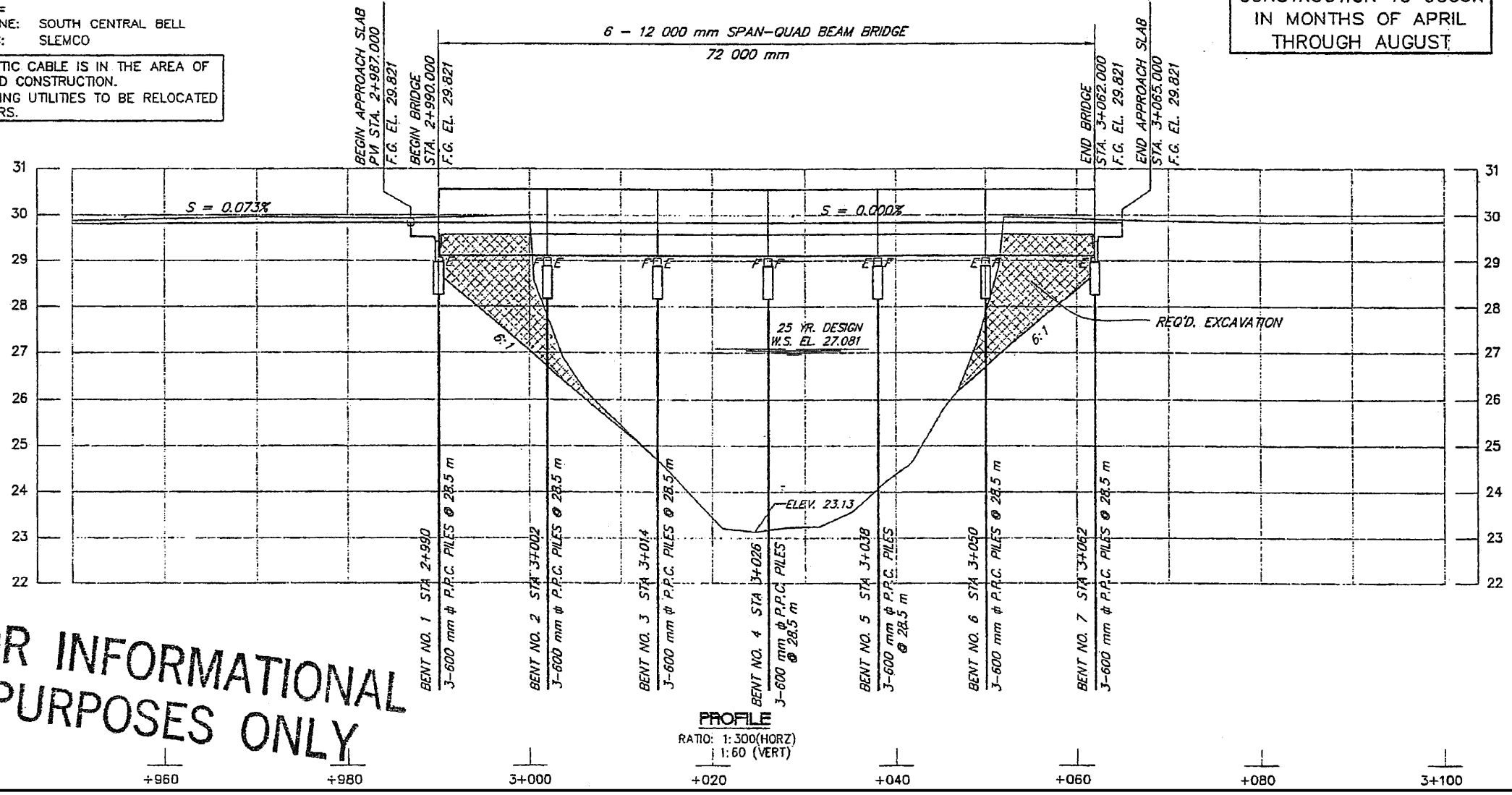
**UTILITIES**

TELEPHONE: SOUTH CENTRAL BELL  
ELECTRIC: SLEMCO

FIBER OPTIC CABLE IS IN THE AREA OF PROPOSED CONSTRUCTION. CONFLICTING UTILITIES TO BE RELOCATED BY OTHERS.



| BENT ELEVATIONS |       |               |        |        |        |        |
|-----------------|-------|---------------|--------|--------|--------|--------|
| BENT NO.        | JOINT | CAST IN PLACE |        |        |        |        |
|                 |       | A             | B      | C      | D      | E      |
| 1 & 7           | EXP.  | 28.865        | 28.865 | 28.395 | 28.395 | 28.395 |
| 4               | FIX.  | 28.905        | 28.905 | 28.435 | 28.435 | 28.435 |
| 2, 3, 5, 6      | EXP.  | 28.865        | 28.865 | 28.395 | 28.395 | 28.395 |



| HYDRAULIC DATA TABLE                |                 |                            |         |
|-------------------------------------|-----------------|----------------------------|---------|
| Metric Units                        |                 |                            |         |
| Drainage Area = 28.39 Sq. Kilometer | EXISTING        | PROPOSED                   |         |
| Flood Frequency                     | Year            | 25                         | 100     |
|                                     |                 | 25                         | 64      |
| Discharge (m <sup>3</sup> /s)       |                 | 47                         | 64      |
| Structure                           | Existing Bridge | Proposed 72 m Conc. Bridge |         |
| Design Water Surface Elev. (m MSL)  | 27.071*         | 27.081*                    | 27.758* |
| Average Velocity (m/s)              | 0.399           | 0.388                      | 0.399   |
| Area Of Opening (m <sup>2</sup> )   | 117.70          | 129.49                     | 160.00  |
| Backwater (m)                       | 0.010           | 0.015                      | 0.010   |
| Bridge Scour Elev. (m)              | 21.63           |                            |         |

\* Includes Differential Head

**FOR INFORMATIONAL PURPOSES ONLY**

|             |      |       |          |
|-------------|------|-------|----------|
| DESIGNED    | WCH  | DATE  | 10/24/02 |
| CHECKED     | C-BC | SHEET |          |
| DETAILED    | SAV  | BY    |          |
| CHECKED     | WCH  | DATE  |          |
| DESCRIPTION |      |       |          |