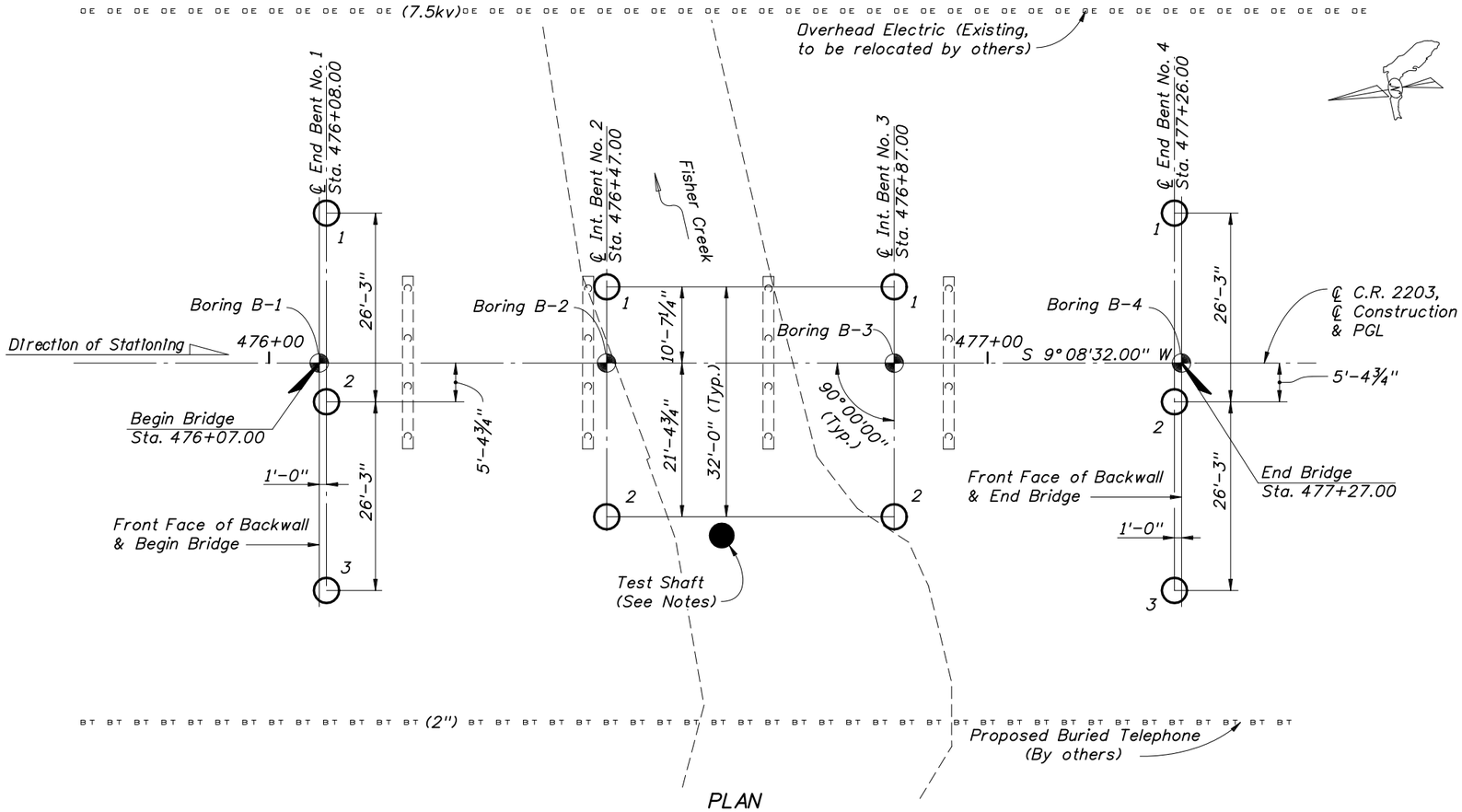

PLAN

NOTES:

1. Construct an out of position, reinforced test shaft 24'-0" right of ℄ Construction at Sta. 476+63 or as directed by the Engineer.
2. Construct the test shaft in the same manner and to the same requirements as a production shaft.
3. It is anticipated a mineral slurry will be required to maintain stability of the drilled shaft excavation. Slurry tanks and slurry desanding equipment are required for this project.

LEGEND

- ● Denotes 48" ϕ Test Shaft
- ○ Denotes 48" ϕ Drilled Shaft and number
- ◠ Denotes 12" ϕ Existing Timber Piles (to be removed)
- ◐ Denotes Soil Borings

DRILLED SHAFT DATA TABLE

INSTALLATION CRITERIA					DESIGN CRITERIA					TESTING
Pier or Bent No.	Shaft Size (in.)	Tip Elev. (ft.)	* Min. Tip Elev. (ft.)	Min. Rock Socket Length (ft.)	Factored Design Load (tons)	Down Drag (tons)	Long term Scour Elev. (ft.)	100-Year Scour Elev. (ft.)	ϕ	** Consider Non-Redundant
1	48	7.00	10.00	12.00	212	N/A	27.9	27.9	.55	No
2	48	0.00	16.00	10.00	318	N/A	27.9	27.9	.45	Yes
3	48	-13.00	0.00	16.00	318	N/A	27.9	27.9	.45	Yes
4	48	-5.00	0.00	7.00	212	N/A	27.9	27.9	.55	No

Tip Elevation: The elevation to which the shaft shall be constructed unless test load data, rock cores, or other geotechnical test data obtained during construction allows the Engineer to authorize a different tip elevation.

* Min. Tip Elevation: The highest elevation that the shaft tip may be constructed if adjustments are made to the tip elevation

** Inspect all nonredundant drilled shafts using SID or approved alternate down-hole camera to verify shaft bottom cleanliness at the time of concreting. Test all nonredudant drilled shafts using cross-hole-sonic logging (CSL).

BRIDGE NO. XXXXXX

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

	NAMES	DATES
DRAWN BY	ABC	MO-YR
CHECKED BY	DEF	MO-YR
DESIGNED BY	GHI	MO-YR
CHECKED BY	JKL	MO-YR
APPROVED BY	MNO	

ENGINEER OF RECORD:
EOR Name, P.E.
Registration/P.E. No. 000000
Engineering Co. Name/Logo
Address
Certificate of Authorization No.

FLORIDA DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
XXX	XXXX	123456-1-52-12

SHEET TITLE: FOUNDATION LAYOUT

PROJECT NAME: DETAILING MANUAL EXAMPLES

SHEET NO. EX-8

$USER$ $DATE$ $TIME$ $FILE$

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