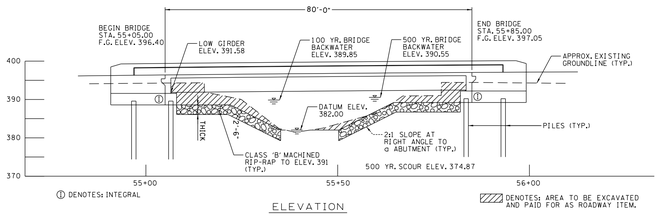
CONST. NO. 57034-3205-94

| PROJECT NO. | YEAR | SHEET NO. |
|---|---|---|
| BR-STP-197(10) | 2015 | |

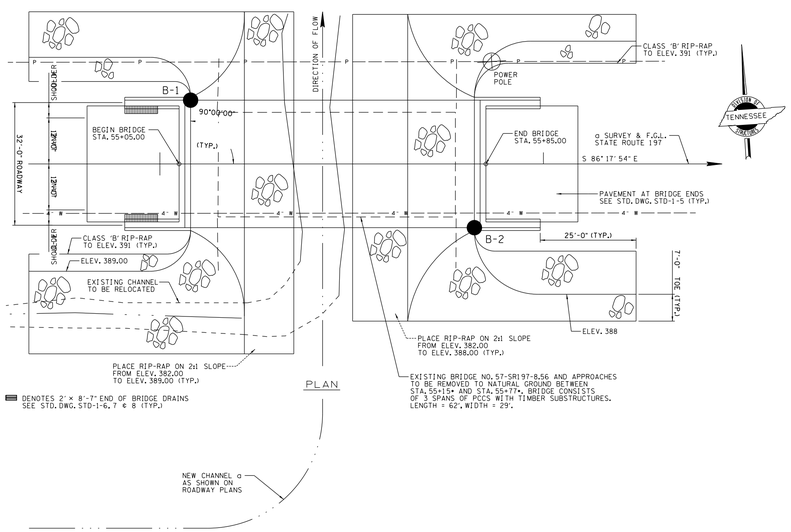
REVISIONS

| NO. | DATE | BY | BRIEF DESCRIPTION |
|---|---|---|---|
| | | | |

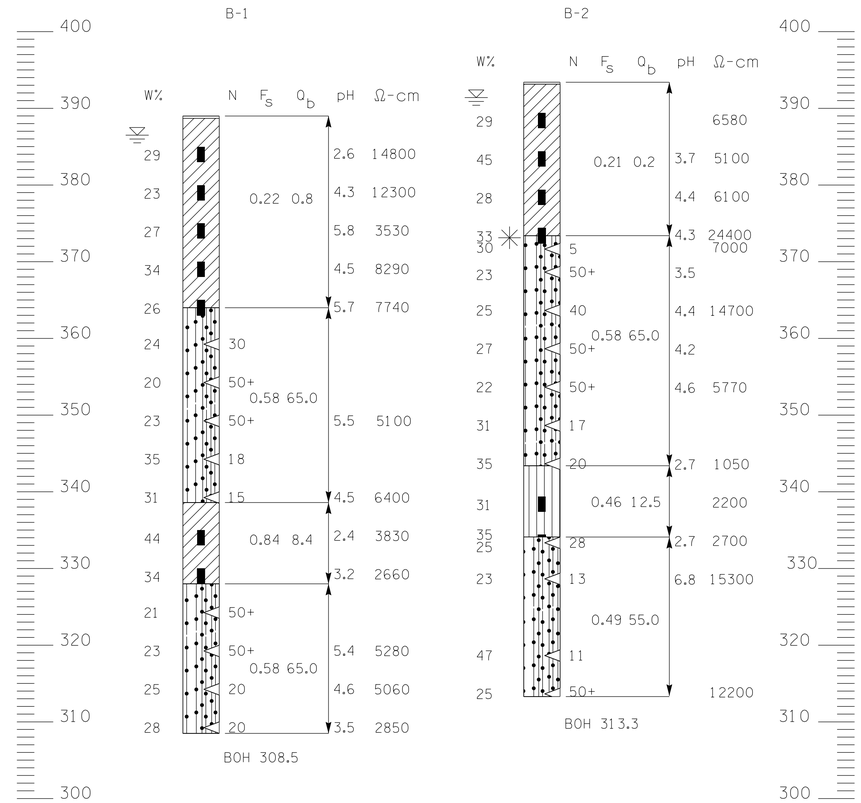
| TABLE OF POINT LOCATIONS | | | | | |
|---|---|---|---|---|---|
| POINT | STATION | OFFSET | N | E | GROUND ELEV. |
| B-1 | 55+08.00 | 17'-4½" LT. | N 461338.19 | E 1182866.20 | 389.0 |
| B-2 | 55+82.00 | 17'-4½" RT. | N 461298.74 | E 1182937.80 | 393.4 |




ELEVATION




PLAN




✳ Potential liquefiable layer from 19 feet to 23 feet.

## NOTES:

### REQUIRED:

1) SUFFICIENT GROUND, ROCK AND CORING INFORMATION FOR BRIDGE FOUNDATION.
2) APPROXIMATE EXISTING GROUND AND ROCK LINE.
3) DESIGN SPECIFICATIONS: AASHTO LRFD SIXTH EDITION, 2012, WITH ADDENDA, AND THE 2011 AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN, EDITION 2 (WITH INTERIMS). SEISMIC CATEGORY B WITH AS = 0.301, SDS = 0.657, SD1 = 0.293. (1000 YR. RETURN PERIOD.)

### BENCHMARKS:

T.B.M. # 1
STA 52+68.24, 25.50' LT.
N 461361.7790
E 1182627.4670
ELEV. 390.82
NAIL IN POWER POLE

T.B.M. #2
STA 60+43.66, 149.77' RT.
N 461136.8160
E 1183389.9550
ELEV. 392.82
NAIL IN 32" OAK

Unified Soil Classifications

| SYMBOL | | NAME |
|---|---|---|
| A-2-4 | | Silty sands, sand-silt mixtures. |
| A-4 | | Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity. |
| A-6 | | Inorganic clays of low to medium plasticity, gravelly clays, sandy clays silty clays, lean clays. |
| Topsoil | | Topsoil |

LEGEND

- ▮ Undisturbed Shelby Tube
- ◁ Standard Penetration Test
- ✳ Potential Liquefiable Layer

N = AVERAGE N VALUE FOR INTERVAL SHOWN
$F_s$ AND $Q_b$ VALUES SHOWN ARE FOR DRIVEN CONCRETE PILES ONLY

$F_s$ = SIDE FRICTION VALUE FOR INTERVAL (tsf)
$Q_b$ = END BEARING FOR LAYER (tsf)

NOTE: THIS DRAWING IS FOR FOUNDATION DATA ONLY AND IS NOT TO BE USED AS A LAYOUT.

BRIDGE NO. 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

FOUNDATION DATA
STATE ROUTE 197
OVER BRANCH A
BRIDGE I.D. NO. 57S81620009
STATION 55+45.00
LOG MILE 8.56
MADISON COUNTY
2015

CORRECT Wayne G. Sieg
ENGINEER OF STRUCTURES

| | | | |
|---|---|---|---|
| DESIGNED BY | | DATE | |
| DRAWN BY | DIANE BUSH (DJS) | DATE | 04-15 |
| SUPERVISED BY | MBC / KDM | DATE | 04-15 |
| CHECKED BY | | DATE | --15 |

U-57-120