5/14/99

PROJECT REFERENCE NO.	SHEET NO.
B-3506	9
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

Profile Right of -L-

-L-

BM #1 -BL- STA 9+14.25
186.66' LEFT ELEV = 574.81'
RR SPIKE IN BASE OF 15" PINE

**DESIGN EXCEPTION REQUIRED FOR DESIGN SPEED FROM 60 MPH TO 25 MPH

BM #2 -BL- STA 19+51.00
23.15' RIGHT ELEV = 565.08'
RR SPIKE IN BASE OF POWER POLE

BEGIN GRADE -L- STA. 13+00
EL. 559.49'

PI = 13+45.00
EL = 557.48'
VC = 90
K = 27
**V = 30 MPH

BEGIN BRIDGE -L- STA. 17+15.00

END BRIDGE -L- STA. 18+00.00

PI = 20+05.00
EL = 505.70'
VC = 600'
K = 26
**V = 25 MPH

PI = 24+00.00
EL = 564.64'
VC = 165
K = 13
**V = 25 MPH

END GRADE -L- STA. 25+00
EL. 567.02'

(-)4.4725%
(-)7.8457%
(+)2.3843%
(+)4.9215%
(-)7.8455%
(+)14.9285%

SS-1
RS-2
B2-B
18+40.00 -L-
10.00 RT.

SS-5
EB2-B
18+75.00 -L-
12.00 RT.

S-4
EB1-B
17+10.00 -L-
12.00 RT.

RS-3
B1-A
17+55.00 -L-
12.00 LT.

RESIDUAL
RED-BRN STIFF TO HARD DRY F. SANDY SILTY CLAY

HARD ROCK 50% AR
DRY (51403)

ROADWAY FILL

CAVED (6230)

WATER SURFACE (51403)

(CRYSTALLINE ROCK)
GRAY, F. HARD, SL. WEATH. TO FRESH METAVOLCANIC

(QTZ. VEIN @ 7.30-10.70)
REC=92% RQD=28%
REC=96% RQD=60%
REC=93% RQD=70%
REC=100% RQD=98%

HARD ROCK

WEATHERED ROCK (VERY DENSE SILTY SAND)

RESIDUAL
RED-BRN STIFF TO HARD MOIST SANDY SILTY CLAY

REC=50% RQD=0%
REC=40% RQD=0%
REC=96% RQD=60%
REC=88% RQD=30%
REC=96% RQD=62%
REC=99% RQD=88%

(CRYSTALLINE ROCK)
GRAY, MOD HARD TO V. HARD MOD. WEATH. TO FRESH FELSIC METAVOLCANIC

Ⓐ RED-ORANGE LOOSE MOIST SILTY CLAYEY CSE. SAND W/BOULDER @ 3.2' (ROADWAY FILL)
Ⓑ RED-BRN SOFT MOIST F. SANDY SILTY CLAY (ROADWAY FILL)

STRUCTURE HYDRAULIC DATA

DESIGN DISCHARGE	= 7005 CFS
DESIGN FREQUENCY	= 50 YRS
DESIGN HW ELEVATION	= 507.5 FT
BASE DISCHARGE	= 8494 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 509.2 FT
OVERTOPPING DISCHARGE	= 12432CFS
OVERTOPPING FREQUENCY	= 500 YRS
OVERTOPPING ELEVATION	= 521.1 FT

570 560 550 540 530 520 510 500 490 480

12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

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