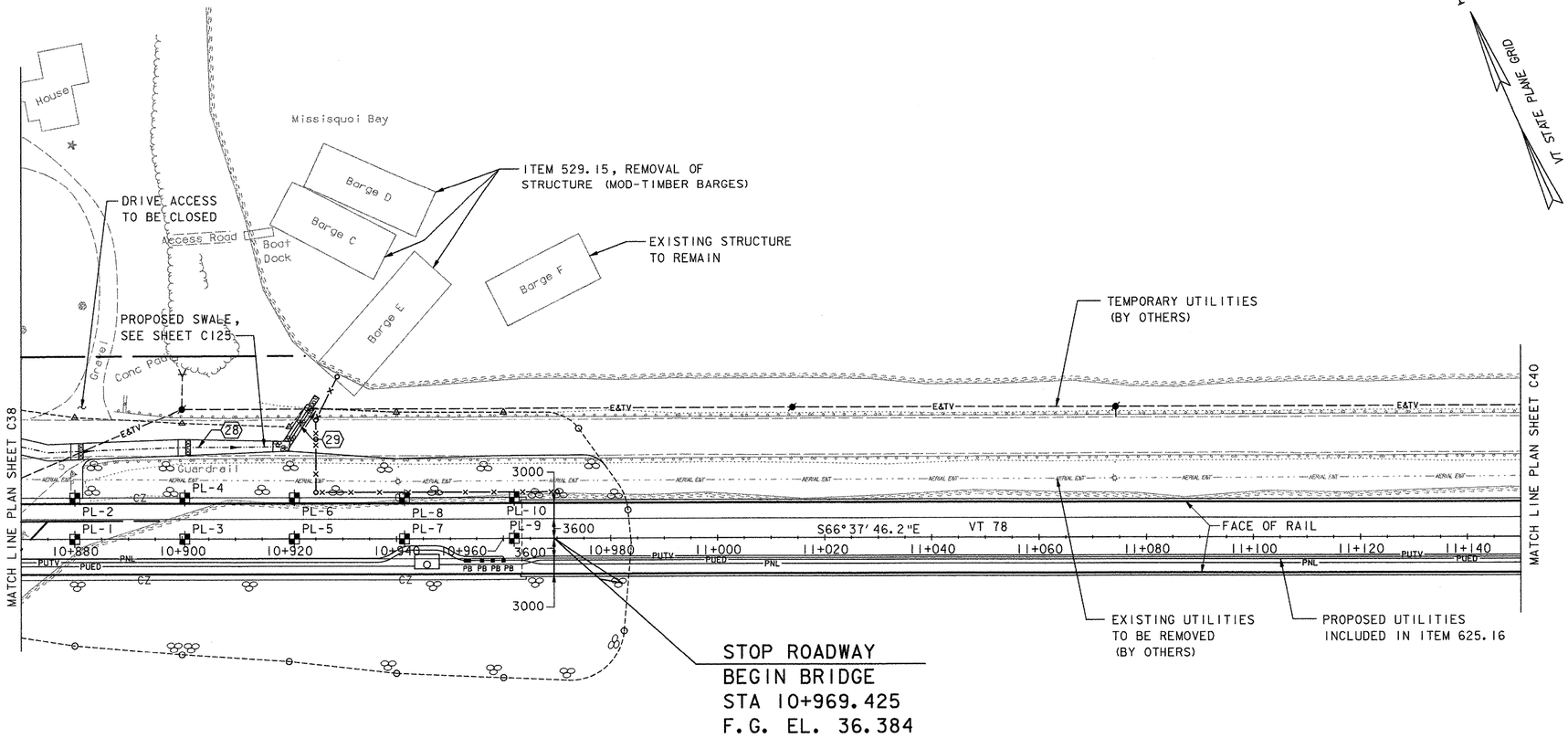

PLAN

0 10 20 30
SCALE IN METERS

N
VT STATE PLANE GRID

CAUSEWAY CONSTRUCTION NOTES

(STATION 10+850 TO STATION 10+969.4)
(STATION 12+060.8 TO STATION 12+150)

1. PLACEMENT OF EMBANKMENT FILL AND CONSTRUCTION OF ABUTMENTS SHALL BE PERFORMED IN TWO STAGES:

   STAGE 1:
   REMOVE TOPSOIL ABOVE THE WATER LINE WITHIN LIMITS OF EMBANKMENT FILL. PLACE EMBANKMENT FILL AS INDICATED, STARTING AT THE EXISTING CAUSEWAY AND WORKING OUTWARD AND TO THE SOUTH OF THE EXISTING CAUSEWAY. FILL TO 0.5 m ABOVE THE HIGH WATER LINE AT THE TIME OF CONSTRUCTION AND INSTALL SETTLEMENT MONITORING INSTRUMENTS AT THE INDICATED LOCATIONS. CONTINUE EMBANKMENT FILL TO THE ELEVATION OF THE SUBGRADE. MONITOR SETTLEMENT FOR A MINIMUM OF THREE MONTHS.

   STAGE 2:
   AFTER COMPLETION OF THE SETTLEMENT PERIOD, AND AFTER APPROVAL OF THE RESIDENT ENGINEER, PLACE ADDITIONAL SAND BORROW TO THE BOTTOM OF THE PROPOSED ROADWAY SUBGRADE. THEN CONSTRUCT ROADWAY SUBBASE MATERIAL TO FINISH GRADE.

2. INITIAL READINGS OF ALL SETTLEMENT PLATFORMS SHALL BE TAKEN BY THE CONTRACTOR AND SUPPLIED TO THE ENGINEER PRIOR TO THE APPLICATION OF ANY EMBANKMENT FILL. DURING THE PROCESS OF FILLING, THE SETTLEMENT PLATFORM READINGS SHALL BE TAKEN ONCE A WEEK AND THE READINGS AND A CUMULATIVE PLOT OF SETTLEMENT VERSUS TIME SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. FILL ELEVATIONS SHALL BE RECORDED WHENEVER SETTLEMENT PLATFORM READINGS ARE TAKEN. THE ENGINEER SHALL REVIEW THE READINGS AND SETTLEMENT PLOTS PROVIDED BY THE CONTRACTOR. IF THE ENGINEER DETERMINES THAT THE MAJORITY OF THE SETTLEMENT HAS TAKEN PLACE, THE ENGINEER SHALL PROVIDE WRITTEN NOTICE TO THE CONTRACTOR THAT READINGS SHALL BE DISCONTINUED AND CONSTRUCTION OF THE ROADWAY SECTION COULD BEGIN.

3. LOCATION OF THE FIELD CONTROL STATION ASSOCIATED WITH THE SETTLEMENT PLATFORM SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION OF THE INSTRUMENTATION.

4. ABUTMENT EXCAVATION AND CONSTRUCTION AND BACKFILL CAN OCCUR CONCURRENTLY WITH STAGE 1 EMBANKMENT FILL.

REMOVAL AND DISPOSAL OF GUARDRAIL

STA 10+882, LT 13.5 m - STA 11+150, LT 15.3 m
STA 10+887, LT 23.7 m - STA 11+150, LT 23.0 m

~~BITUMINOUS CONCRETE CURB~~

STA 10+870, LT - STA 10+953.7, LT
STA 10+870, RT - STA 10+953.7, RT

CAST-IN-PLACE CONCRETE CURB

STA ~~10+953.7~~ 10+862.3, LT - STA 10+963.2, LT
STA ~~10+953.7~~ 10+862.8, RT - STA 10+963.2, RT

GEOTEXTILE FOR ROADBED SUBGRADE SEPARATOR

STA 10+880, LT - STA 10+969.4, LT
STA 10+870, RT - STA 10+969.4, RT

STONE FILL, TYPE IV

STA 10+900, LT - STA 10+984, LT
STA 10+870, RT - STA 10+984, LT

STEEL BEAM GUARDRAIL

STA 10+870, LT - STA 10+953.7, LT
STA 10+870, RT - STA 10+953.7, RT

CHAIN-LINK FENCE (TYPE I)

STA 10+925, LT 8.6 m - STA 10+925, LT 18.4 m
STA 10+925, LT 22.0 m - STA 10+929, LT 30.0 m
STA 10+925, LT 8.6 m - STA 10+970, LT 8.6 m

WIRED CONDUIT (NAVIGATIONAL LIGHTING)

STA 10+960, RT 4.1 m - STA 10+969.4, RT 4.5 m
STA 10+870, RT ~~4.1~~ 3.5 m - STA 10+960, RT 4.1 m

DUCTS - CONCRETE ENCASED

9 DUCTS (ELECTRICAL DUCTS):
STA 10+948, RT 4.1 m - STA 10+953, RT 4.1 m
STA 10+870, RT 5.0 m - STA 10+944, RT 5.0 m

12 DUCTS (ELECTRICAL, CABLE TV AND VTRANS DUCTS):
STA 10+953, RT 4.1 m - STA 10+969.4, RT 3.6 m

DUCTS - DIRECT BURIAL (CABLE TV DUCTS)

STA 10+870, RT 4.5 m - STA 10+937, RT 4.5 m
STA 10+937, RT 4.5 m - STA 10+944, RT 2.5 m
STA 10+944, RT 2.5 m - STA 10+948, RT 2.5 m
STA 10+948, RT 2.5 m - STA 10+953, RT 4.1 m

UTILITY VAULT

STA 10+946, RT 4.15 m (ELECTRICAL)
(SEE SPECIAL PROVISIONS FOR DETAILS)

DOUBLE PULLBOX

STA 10+953, RT 4.1 m (CABLE TV DUCT)

PULLBOX

STA 10+960, RT 4.1 m (NAVIGATIONAL LIGHTING)
STA 10+958, RT 4.1 m (SINGLE VTRANS DUCT)
STA 10+956, RT 4.1 m (SINGLE VTRANS DUCT)

DRIVE GATE FOR CHAIN-LINK FENCE (TYPE I)

STA 10+925, LT 18.4 m - STA 10+925, LT 22.0 m

DRAINAGE NOTES

(28) STA 10+870, LT 17.7 m - STA 10+917, LT 17.0 m
NEW GRASS LINED SWALE WITH PERMANENT
STONE CHECK DAMS
INV. OUT = 31.500
OUTLET WITH STONE FILL SUMP, TYPE I
1800x4.0 mx300 DEEP

(29) STA 10+920, LT 18.2 m - STA 10+925, LT 24.4 m
NEW 600x7.9m PCCSP OR CAAP OR RCP OR CPEP
INV. IN = 31.500
INV. OUT = 31.000
OUTLET WITH STONE FILL PAD, TYPE I
1200x2.7 mx300 DEEP
STA 10+920, LT 18.2 m - STA 10+925, LT 24.4 m
NEW STONE FILL, TYPE II
1600x7.6 mx600 DEEP
PLACE CRUSHED GRAVEL (COARSE GRADED)
ON TOP OF STONE FILL, TYPE II

SETTLEMENT PLATFORM (TYPE I)

PROPOSED SETTLEMENT PLATFORM LOCATIONS

PL-1	STA 10+880.000, LT 0.0 m
~~PL-2~~	~~STA 10+880.000, LT 7.6 m~~
PL-3	STA 10+900.500, LT 0.0 m
PL-4	STA 10+900.500, LT 7.6 m
PL-5	STA 10+921.000, LT 0.0 m
PL-6	STA 10+921.000, LT 7.6 m
PL-7	STA 10+941.500, LT 0.0 m
PL-8	STA 10+941.500, LT 7.6 m
~~PL-9~~	~~STA 10+962.000, LT 0.0 m~~
~~PL-10~~	~~STA 10+962.000, LT 7.6 m~~

LEGEND

- PROPOSED MAILBOX
- PROPOSED LANDSCAPING
- —x—x— PROPOSED CHAIN-LINK FENCE
- ■ PB PROPOSED PULL BOX
- PROPOSED OVERHEAD LIGHT
- PROPOSED UTILITY VAULT
- —PUED— PROPOSED UNDERGROUND ELECTRICAL DUCT
- —PUTV— PROPOSED UNDERGROUND CABLE TV DUCT
- —PNL— PROPOSED UNDERGROUND WIRED CONDUIT FOR NAVIGATIONAL LIGHTING
- —PE&TV— PROPOSED AERIAL ELECTRIC, CABLE TV AND TELEPHONE
- —PT— PROPOSED AERIAL TELEPHONE
- -E&TV- TEMPORARY AERIAL ELECTRIC, CABLE TV AND TELEPHONE

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (92)

VANASSE HANGEN BRUSTLIN, INC.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of ALBURG-SWANTON	Bridge No. 2
Highway No. VT 78	Log Sta. / Surv. Sta.
VT 78 OVER MISSISQUOI BAY	
VT 78 ROADWAY PLAN (4 OF 10)	
Designed By S.W. BEKIER	Drawn By C.L. CILLEY
Checked By J.A. MERCER Date 10/03	Bridge Design Supervisor C.D. BAKER Date 10/03
PROJECT ALBURG-SWANTON	PROJECT NO. BRF 036-1(1)
I.G.C. Info.	
File No. ZE072PN4	Sheet C39 of C194

VHB NO. 5091I

plot date: 10/23/2003