

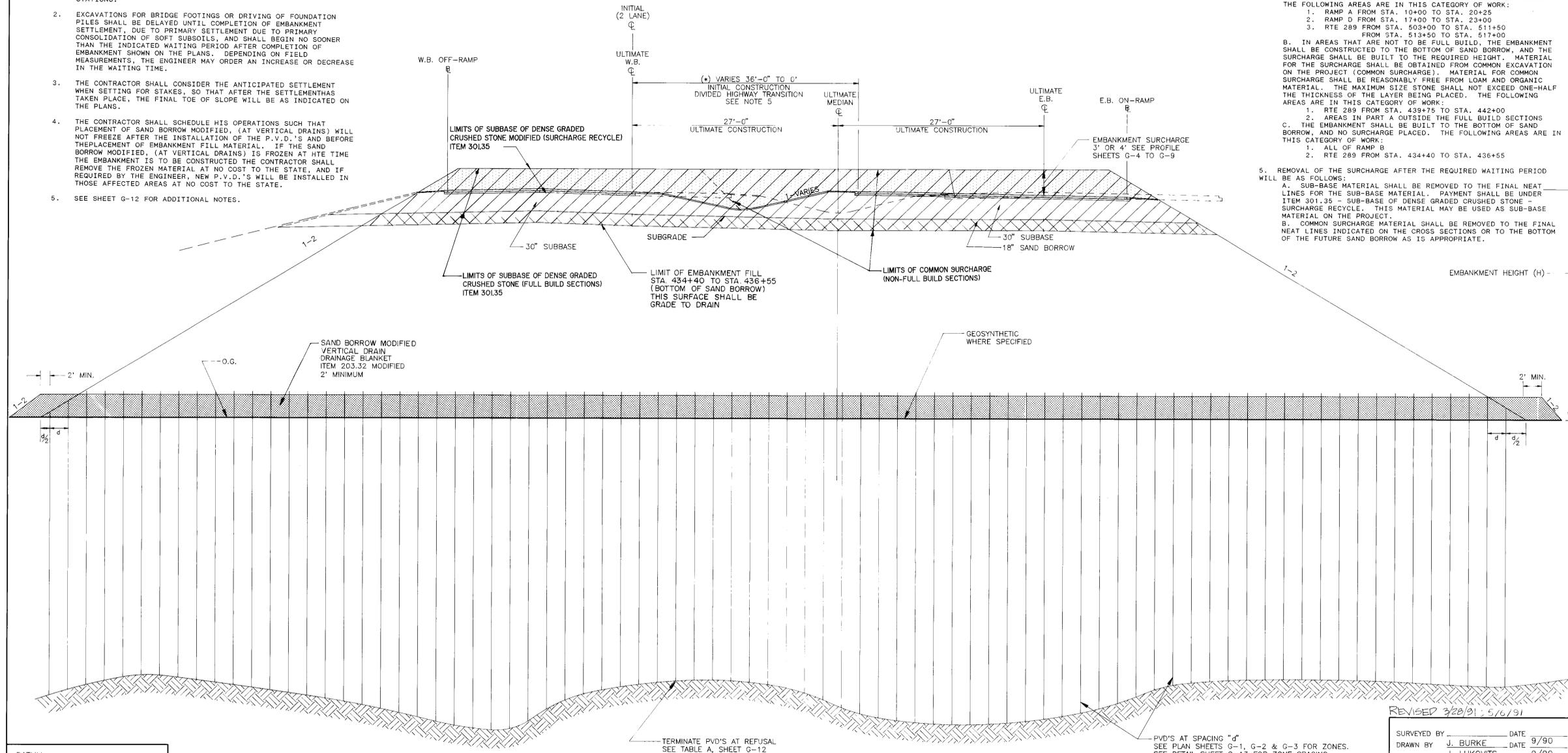
TYPICAL SECTION - MAINLINE FOR PREFAB. VERTICAL DRAIN INSTALLATION CHITTENDEN COUNTY CIRCUMFERENTIAL HIGHWAY

CONSTRUCTION PROCEDURE

1. THE DURATION OF THE REQUIRED WAITING PERIOD BETWEEN LIFTS AT EACH LOCATION WILL BE DETERMINED BY THE ENGINEER. THE MINIMUM DURATION OF THE WAITING PERIODS ARE AS SHOWN ON SHEET G-12. DEPENDING ON FIELD MEASUREMENTS, THE ENGINEER MAY ORDER AN INCREASE OR DECREASE IN WAITING TIMES BETWEEN LIFTS OR LIFT THICKNESS TO ENSURE THE STABILITY OF THE EMBANKMENTS AND MINIMIZE THE RISK OF "SLOPE" FAILURE. THE CONTRACTOR SHALL COOPERATE WITH THE ENGINEER, AND SHALL CONDUCT HIS OPERATIONS INSUCH A MANNER AS NOT TO INTERFERE WITH FORCES MONITORING THE EQUIPMENT. THE CONTRACTOR SHALL ALSO PROVIDE ACCESS TO ALL INSTRUMENTS AND FIELD CONTROL STATIONS.
2. EXCAVATIONS FOR BRIDGE FOOTINGS OR DRIVING OF FOUNDATION PILES SHALL BE DELAYED UNTIL COMPLETION OF EMBANKMENT SETTLEMENT, DUE TO PRIMARY SETTLEMENT DUE TO PRIMARY CONSOLIDATION OF SOFT SUBSOILS, AND SHALL BEGIN NO SOONER THAN THE INDICATED WAITING PERIOD AFTER COMPLETION OF EMBANKMENT SHOWN ON THE PLANS. DEPENDING ON FIELD MEASUREMENTS, THE ENGINEER MAY ORDER AN INCREASE OR DECREASE IN THE WAITING TIME.
3. THE CONTRACTOR SHALL CONSIDER THE ANTICIPATED SETTLEMENT WHEN SETTING FOR STAKES, SO THAT AFTER THE SETTLEMENT HAS TAKEN PLACE, THE FINAL TOE OF SLOPE WILL BE AS INDICATED ON THE PLANS.
4. THE CONTRACTOR SHALL SCHEDULE HIS OPERATIONS SUCH THAT PLACEMENT OF SAND BORROW MODIFIED, (AT VERTICAL DRAINS) WILL NOT FREEZE AFTER THE INSTALLATION OF THE P.V.D.'S AND BEFORE THE PLACEMENT OF EMBANKMENT FILL MATERIAL. IF THE SAND BORROW MODIFIED, (AT VERTICAL DRAINS) IS FROZEN AT THE TIME THE EMBANKMENT IS TO BE CONSTRUCTED THE CONTRACTOR SHALL REMOVE THE FROZEN MATERIAL AT NO COST TO THE STATE, AND IF REQUIRED BY THE ENGINEER, NEW P.V.D.'S WILL BE INSTALLED IN THOSE AFFECTED AREAS AT NO COST TO THE STATE.
5. SEE SHEET G-12 FOR ADDITIONAL NOTES.

NOTES:

1. EXTEND THE 2' THICK DRAINAGE BLANKET 2' HORIZONTALLY BEYOND THE TOE OF THE SLOPE.
2. SURCHARGE HEIGHT IS TO BE MEASURED FROM CENTERLINE FINISHED GRADE.
3. SURCHARGE SHALL BE PLACED TO LIMITS SHOWN ON CROSS SECTIONS.
4. THE SURCHARGE SHALL BE CONSTRUCTED AS FOLLOWS:
 - A. IN AREAS OF FULL BUILD, THE EMBANKMENT SHALL BE PLACED TO THE BOTTOM OF SAND BORROW, THE SAND BORROW SHALL THEN BE PLACED TO THE BOTTOM OF SUB-BASE MATERIAL, THE SUB-BASE MATERIAL SHALL THEN BE PLACED TO THE REQUIRED HEIGHT OF THE SURCHARGE. THE REMAINING SURCHARGE IN THESE AREAS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION B. BELOW. PAYMENT FOR THIS WILL BE AT THE APPROPRIATE CONTRACT UNIT PRICES. THE FOLLOWING AREAS ARE IN THIS CATEGORY OF WORK:
 1. RAMP A FROM STA. 10+00 TO STA. 20+25
 2. RAMP D FROM STA. 17+00 TO STA. 23+00
 3. RTE 289 FROM STA. 503+00 TO STA. 511+50 FROM STA. 513+50 TO STA. 517+00
 - B. IN AREAS THAT ARE NOT TO BE FULL BUILD, THE EMBANKMENT SHALL BE CONSTRUCTED TO THE BOTTOM OF SAND BORROW, AND THE SURCHARGE SHALL BE BUILT TO THE REQUIRED HEIGHT. MATERIAL FOR THE SURCHARGE SHALL BE OBTAINED FROM COMMON EXCAVATION ON THE PROJECT (COMMON SURCHARGE). MATERIAL FOR COMMON SURCHARGE SHALL BE REASONABLY FREE FROM LOAM AND ORGANIC MATERIAL. THE MAXIMUM SIZE STONE SHALL NOT EXCEED ONE-HALF THE THICKNESS OF THE LAYER BEING PLACED. THE FOLLOWING AREAS ARE IN THIS CATEGORY OF WORK:
 1. RTE 289 FROM STA. 439+75 TO STA. 442+00
 2. AREAS IN PART A OUTSIDE THE FULL BUILD SECTIONS
 - C. THE EMBANKMENT SHALL BE BUILT TO THE BOTTOM OF SAND BORROW, AND NO SURCHARGE PLACED. THE FOLLOWING AREAS ARE IN THIS CATEGORY OF WORK:
 1. ALL OF RAMP B
 2. RTE 289 FROM STA. 434+40 TO STA. 436+55
5. REMOVAL OF THE SURCHARGE AFTER THE REQUIRED WAITING PERIOD WILL BE AS FOLLOWS:
 - A. SUB-BASE MATERIAL SHALL BE REMOVED TO THE FINAL NEAT LINES FOR THE SUB-BASE MATERIAL. PAYMENT SHALL BE UNDER ITEM 301.35 - SUB-BASE OF DENSE GRADED CRUSHED STONE - SURCHARGE RECYCLE. THIS MATERIAL MAY BE USED AS SUB-BASE MATERIAL ON THE PROJECT.
 - B. COMMON SURCHARGE MATERIAL SHALL BE REMOVED TO THE FINAL NEAT LINES INDICATED ON THE CROSS SECTIONS OR TO THE BOTTOM OF THE FUTURE SAND BORROW AS IS APPROPRIATE.



DATUM
VERTICAL N.G.V.D. 1929
HORIZONTAL N.A.D. 1927

TERMINATE PVD'S AT REFUSAL
SEE TABLE A, SHEET G-12
FOR APPROXIMATE TERMINATION DEPTHS

NO SCALE

PVD'S AT SPACING "d"
SEE PLAN SHEETS G-1, G-2 & G-3 FOR ZONES.
SEE DETAIL SHEET G-13 FOR ZONE SPACING

REVISED 3/28/91, 5/16/91

SURVEYED BY	DATE
DRAWN BY J. BURKE	DATE 9/90
TRACED BY J. LUKOVITS	DATE 9/90
VERMONT ROUTE 289 (F.A.P.) TOWN OF ESSEX	
PROJ. WILLISTON-	NO. PB 033-1 (2)
GEO COLCHESTER	
SHEET G-10 OF G-14	SH. 125 OF 400