



GUARD RAIL STD. STEEL BEAM W/ WOOD POSTS, TYPE II
 CCCH STA 585 + 75 - CCCH STA 593 + 75 RT.
 TREATED TIMBER CURB
 CCCH STA 586 + 00 - CCCH STA 593 + 50 RT, 750'

LANG, JOHN H. & NANCY R.
 (LOSS OF ACCESS)

4' HIGH WOVEN WIRE FENCE
 CCCH STA 583 + 00, 75' RT - CCCH STA 586 + 00, 75' RT
 CCCH STA 586 + 00, 75' RT - CCCH STA 586 + 67, 90' RT
 CCCH STA 583 + 00, 240' LT - CCCH STA 583 + 60, 245' LT
 CCCH STA 583 + 60, 245' LT - CCCH STA 583 + 60, 165' LT
 CCCH STA 583 + 60, 165' LT - CCCH STA 586 + 03, 145' LT
 CCCH STA 586 + 28, 143' LT - CCCH STA 591 + 00, 185' LT
 CCCH STA 591 + 00, 185' LT - CCCH STA 597 + 00, 330' LT
 CCCH STA 592 + 00, 330' LT - CCCH STA 597 + 50, 270' LT

STA 582+50 LT TO STA 583+60 LT
 CONSTRUCT 10' WIDE SPECIAL DITCH, TYPE IV STONE FILL

STA 583+00 LT TO STA 583+75 LT
 CONSTRUCT SPECIAL DITCH 2' WIDE, TYPE IV STONE FILL

STA 583+00 TO STA 583+27 LT
 NEW 18" x 136" OPTION PIPE WITH OUTLET PAD, TYPE I STONE FILL

STA 587+95 LT TO STA 587+95 LT
 NEW 24" x 28" CSP WITH 4' x 8' OUTLET PAD TYPE II STONE FILL

STA 587+95 LT TO STA 587+95 LT
 NEW 24" x 72" RCP CLASS III

STA 587+95 RT TO STA 587+95 RT
 NEW 18" x 46" RCP CLASS III

STA 590+00 RT TO STA 591+50 RT
 NEW 18" x 150' OPTION PIPE

PI CURVE # 3
 STA 591 + 88.75 BACK = STA 591 + 76.26 AHEAD

STA 590+00 LT TO STA 594+40 LT
 6" x 440' UNDERDRAIN WITH FLUSHING BASIN @ STA 594+40

STA 587+95 LT TO STA 587+95 LT
 NEW 18" x 206" OPTION PIPE

STA 592+00 LT TO STA 594+50 LT
 NEW 18" x 252" CSP

STA 596+75 LT TO STA 598+90 LT
 NEW 18" x 68" RCP CLASS III

STA 594+50 LT TO STA 594+50 RT
 NEW 18" x 68" RCP CLASS III

STA 594+50 LT TO STA 596+65 LT
 6" x 226" UNDERDRAIN W/ CAP END

STA 594+50 RT TO STA 598+90 LT
 6" x 232" UNDERDRAIN W/ CAP END

STA 593+75 RT TO STA 594+50 RT
 NEW 24" x 76" CSP

STA 596+75 RT TO STA 598+90 RT
 6" x 216" UNDERDRAIN W/ CAP END

STA 596+75 RT TO STA 599+00 RT
 NEW 24" x 218" OPTION PIPE

STA 594+50 RT TO STA 596+75 RT
 6" x 226" UNDERDRAIN W/ CAP END

STA 594+00 RT TO STA 594+50 RT
 6" x 54" UNDERDRAIN W/ CAP END

STA 593+40 RT TO STA 593+80 RT
 NEW 4' WIDE ROCK LINED DITCH WITH TYPE IV STONE FILL

- NOTES:
- INDIVIDUAL ROCKS WITHIN EACH BOULDER CLUSTER TO BE ANGULAR, 4'-6' DIAMETER. CAN BE INCREASED OR DECREASED IN SIZE DEPENDING ON CHANNEL DIMENSIONS.
 - EACH CLUSTER TO CONSIST OF 3 TO 5 BOULDERS PLACED IN AN OPEN DIAMOND OR TRIANGULAR PATTERN COVERING AN AREA OF 150 TO 200 SQUARE FEET, OR AS DIRECTED BY ENGINEER.
 - DISTRIBUTE CLUSTERS 3 TO 5 TIMES THE AVERAGE WIDTH OF THE CHANNEL.
 - SITE EACH CLUSTER IN THE AREAS OF HIGHEST FLOW VELOCITY.

SPIRAL DATA

| | |
|----|-----------|
| D | = 2° 30' |
| θs | = 1.875° |
| Ls | = 150.00' |
| p | = 0.41' |
| K | = 75.00 |
| X | = 149.98' |
| Y | = 1.64' |
| LT | = 100.01' |
| ST | = 50.01' |
| Lc | = 149.99 |

STA 591+15 TO STA 592+00 RT
 CONSTRUCT SPECIAL DITCH 10' WIDE TYPE II STONE FILL

CURVE # 3 DATA CCCH

| | |
|----|------------------|
| D | = 2° 30' |
| R | = 2291.83' |
| Δ | = 22° 51' 23.35" |
| Δc | = 19° 06' 23.35" |
| T | = 385.71' |
| Ts | = 538.37' |
| Es | = 46.81' |
| L | = 764.26' |
| Ls | = 150' |

CURVE DATA ACCESS DRIVE

| | |
|---|---------------|
| Δ | = 82° 00' 00" |
| R | = 50.00' |
| T | = 43.5' |
| L | = 71.6' |

DATUM
 VERTICAL _____
 HORIZONTAL _____

LANG, JOHN H. & NANCY R.

R. O. W. PLANS

SURVEYED BY PINKHAM ENGR. DATE 6/86
 DRAWN BY D.R.O. DATE 10/88
 TRACED BY A.P.P. DATE 10/88

VERMONT ROUTE 289 (F.A.P.)
 TOWN OF ESSEX
 WILLISTON
 PROJ. COLCHESTER NO. PB 033-1(1)
 SHEET 29 OF 55