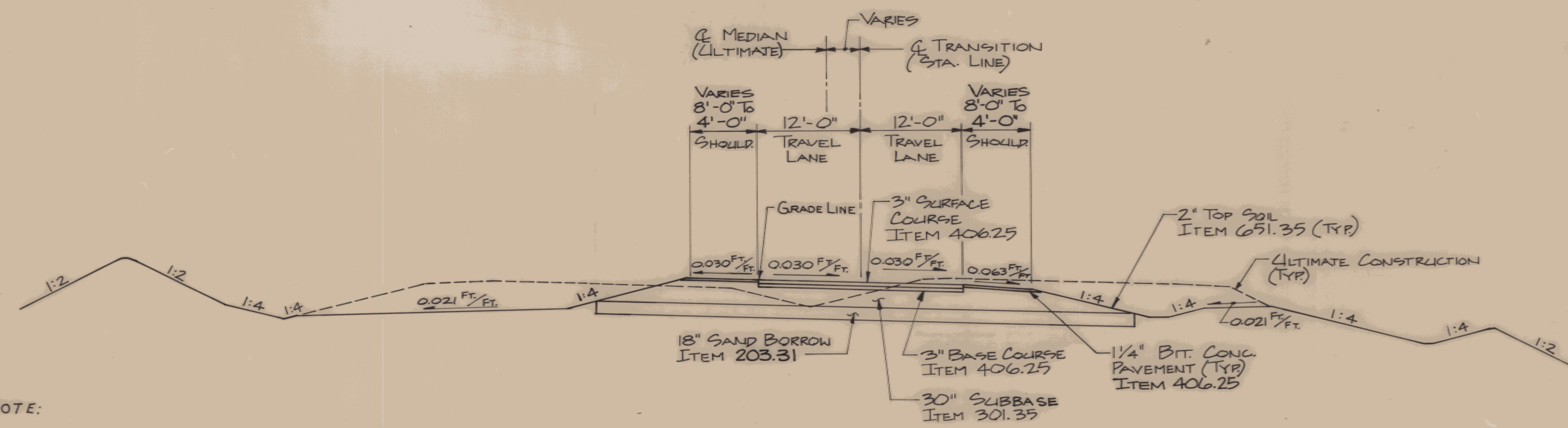
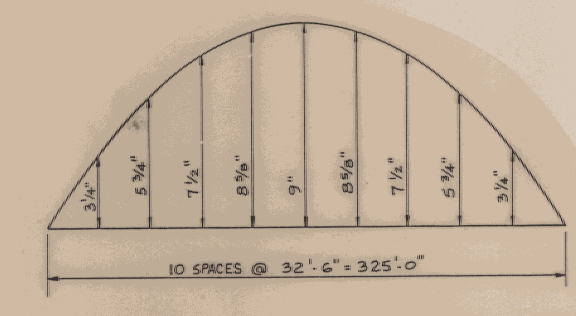


PROPOSED HIGHWAY SECTION

SCALE: 3/32" = 1'-0"

NOTE:

IN-STREAM CONSTRUCTION SHALL BE CONDUCTED DURING THE PERIOD JUNE 1 - OCTOBER 1. CULVERT INVERT ELEVATIONS SHALL BE INSTALLED TWO FEET BELOW STREAMBED LEVEL. CONTRACTOR MAY PROPOSE CONSTRUCTION METHODS AND EROSION/SEDIMENTATION CONTROL PROCEDURES WHICH MAY BE CONSIDERED SUITABLE FOR IMPLEMENTATION DURING THE RESTRICTED PERIOD. SUCH A PROPOSAL WILL BE REVIEWED BY THE DEPARTMENTS OF FISH AND WILDLIFE AND ENVIRONMENTAL CONSERVATION, UPON REQUEST.



PIPE CAMBER DIAGRAM

N.T.S.

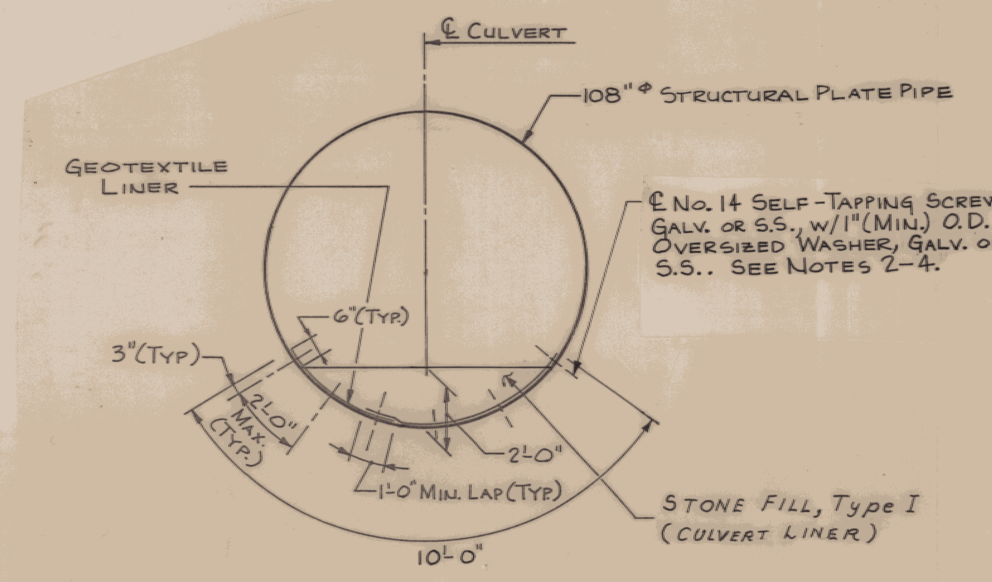
PIPE CAMBER DIAGRAM NOTE

1. PIPE SHALL BE CAMBERED AS SHOWN TO OFFSET ANTICIPATED SETTLEMENT. LENGTH OF TIME FOR SETTLEMENT TO OCCUR = 7 MONTHS

INITIAL CULVERT PROFILE TABLE		
POINT	STATION	INITIAL INVERT ELEVATION
BEGIN	8+14.50	432.5
0.1L	8+47.00	432.6
0.2L	8+79.50	432.7
0.3L	9+12.00	432.7
0.4L	9+44.50	432.6
0.5L	9+77.00	432.5
0.6L	10+09.50	432.3
0.7L	10+42.00	432.1
0.8L	10+74.50	431.8
0.9L	11+07.00	431.4
END	11+39.50	431.0

CULVERT PROFILE TABLE NOTES

1. INITIAL INVERT ELEVATIONS AS INDICATED IN THE TABLE ARE THE ELEVATIONS AT WHICH THE PIPE INVERT SHALL BE INSTALLED TO RESULT IN THE FINAL CULVERT PROFILE SHOWN IN THE LONGITUDINAL SECTION
2. THE DIFFERENCE BETWEEN INITIAL INVERT ELEVATIONS AND FINAL CULVERT PROFILE ELEVATIONS IS THE ANTICIPATED SETTLEMENT UNDER THE PROPOSED FILL, 9" MAX.

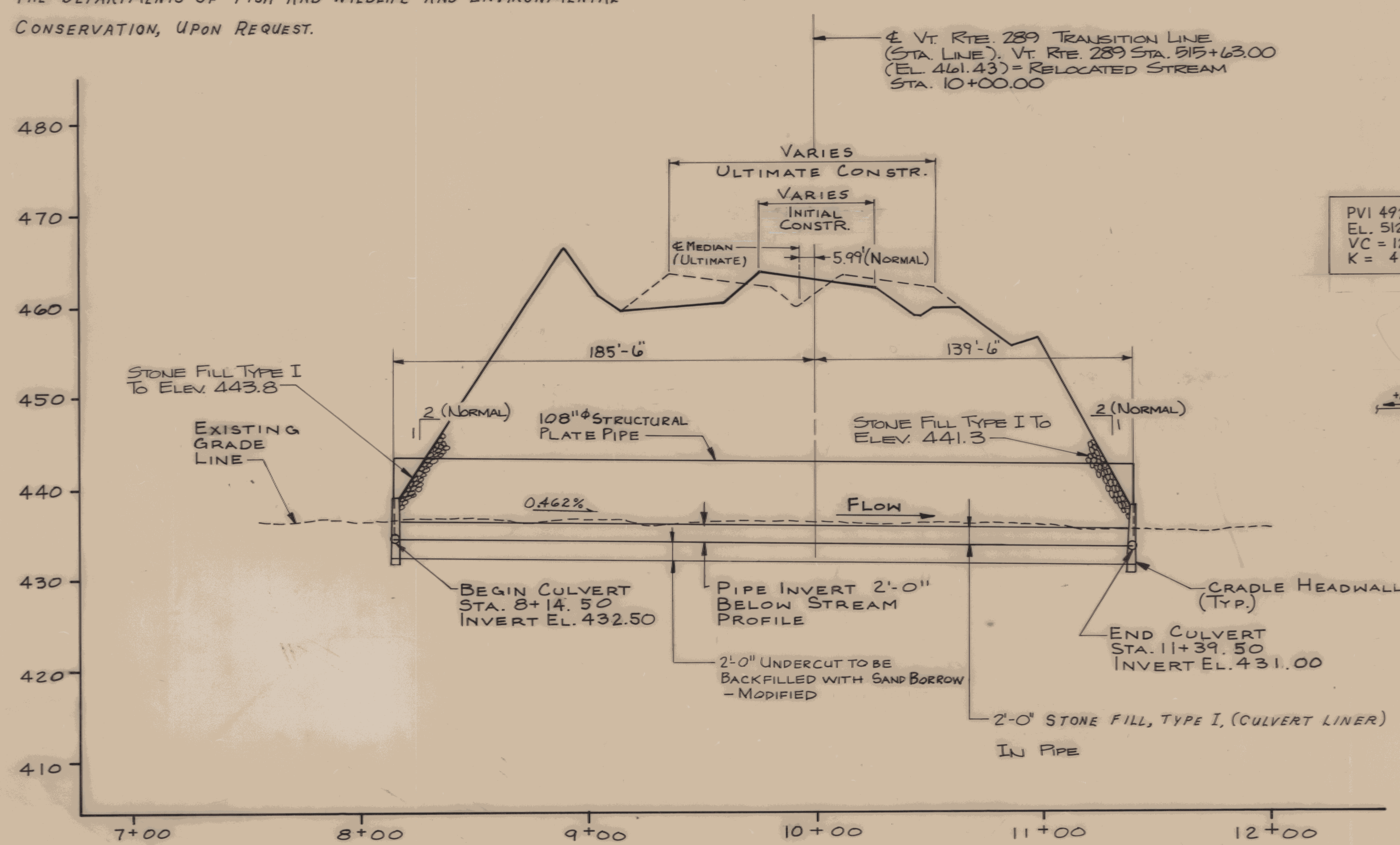


STONE FILL & GEOTEXTILE LINING DETAIL

N.T.S.

GEOTEXTILE LINING NOTES

1. FOR ADDITIONAL INSTALLATION AND MATERIAL REQUIREMENTS FOR *STONE FILL, TYPE I (CULVERT LINER) AND GEOTEXTILE LINER, SEE SPECIAL PROVISIONS.*
2. ROWS OF LONGITUDINAL FASTENERS, AS SHOWN ABOVE, SHALL BE INSTALLED AT 24 FEET MAXIMUM SPACING ALONG THE CENTERLINE OF CULVERT AND AT ALL LAP LOCATIONS.
3. GALVANIZING DAMAGED DURING DRILLING OPERATIONS, AS REQUIRED TO INSTALL GEOTEXTILE FASTENERS, SHALL BE REPAIRED IN ACCORDANCE WITH SECTION 511.12.
4. THE CONTRACTOR MAY SUBMIT AN ALTERNATE METHOD FOR SECURING THE GEOTEXTILE LINER IN PLACE. THE ALTERNATE FASTENING METHOD SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL IN ACCORDANCE WITH SECTION 105.03.
5. THE COST OF THE GEOTEXTILE LINER, INCLUDING FASTENERS, GALVANIZING TOUCH-UP AND LINER PLACEMENT, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR *ITEM 613.10, STONE FILL, TYPE I, (CULVERT LINING)*

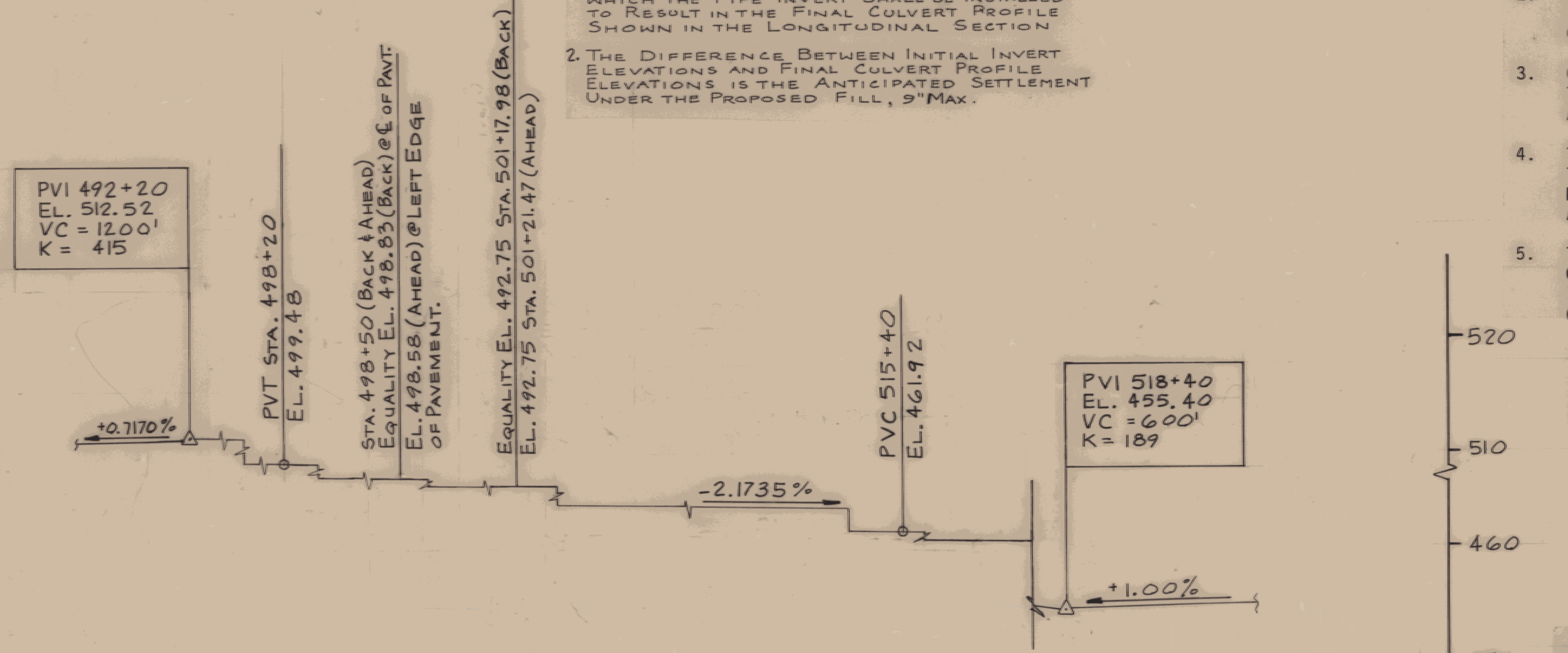


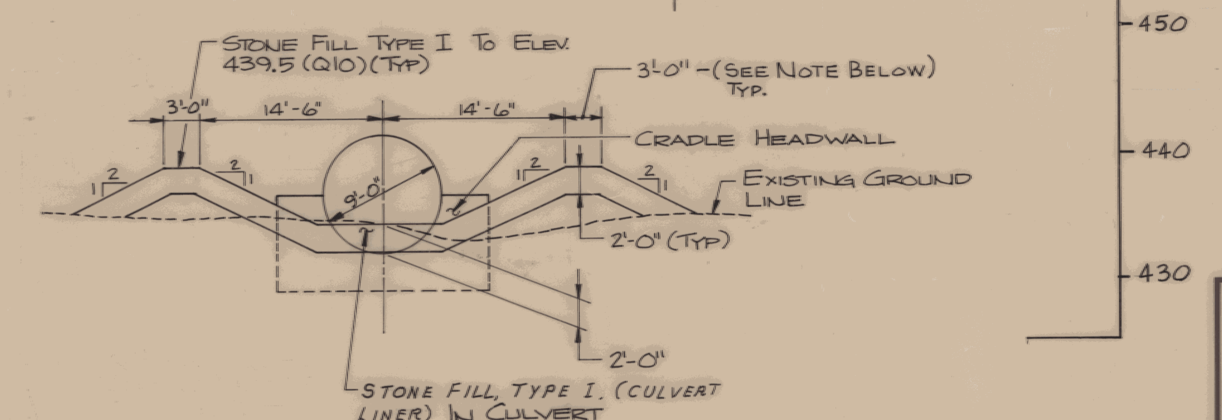
LONGITUDINAL SECTION

(ALONG RELOCATED STREAM)

SCALE: HORIZ. 1" = 40'
VERT. 1" = 10'

NOTE: FINAL GRADES SHOWN AFTER SETTLEMENT. SEE PIPE CAMBER TABLE THIS DWG.

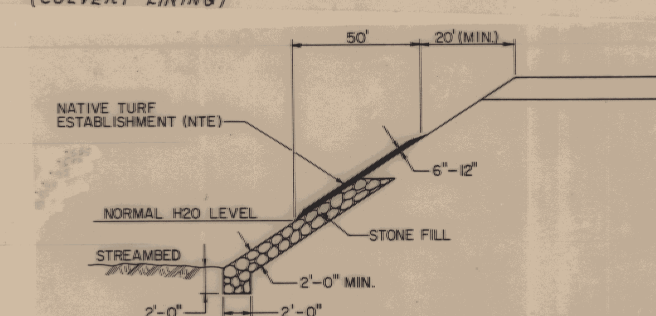




NOTE: EXTEND 3' PLATEAU 10' UPSTREAM FROM FACE OF HEADWALL THEN SLOPE DOWN TO EXISTING GROUNDLINE WITH A 1:2 SLOPE.

ELEVATION - INLET END

SCALE: 1" = 10'-0"



DETAIL OF NATIVE TURF ESTABLISHMENT

NOTES:

1. NATIVE TURF ESTABLISHMENT (NTE) SHALL CONSIST OF PLACING STREAM BANK GRUBBINGS AS SHOWN.
2. NTE SHALL BE PAID FOR UNDER ITEM 651.40 - GRUBBING MATERIAL.
3. HAY MULCH SHALL BE PLACED ON NTE AND SHALL BE PAID FOR SEPARATELY.
4. NTE SHALL BE PLACED AS SHOWN BUT IN NO CASE SHALL IT BE PLACED CLOSER THAN 20' TO THE EDGE OF ROADWAY SHOULDER.
5. TOPSOIL REMOVED FROM EXCAVATION AND EMBANKMENT AREAS SHALL BE SAVED AND REUSED FOR REVEGETATION AREAS.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF ESSEX	Bridge No. 14 - 4
	Log Sta.
HIGHWAY NO. VT. RTE. 289	Surv. Sta. 515+65
VT. RTE. 289 OVER INDIAN BROOK	
ELEVATION AND SECTIONS	
Designed by PJB	Drawn by DJA
Checked by RJS date 10-12-90	Bridge Design Supervisor MWO date 10-12-90
PROJECT WILLISTON - COLCHESTER	PROJECT NO. PB 033 - 1(2)
Bridge Sheet No. BR 802	Sheet 226 of 400

BR-2

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