

R.O.W. PLANS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

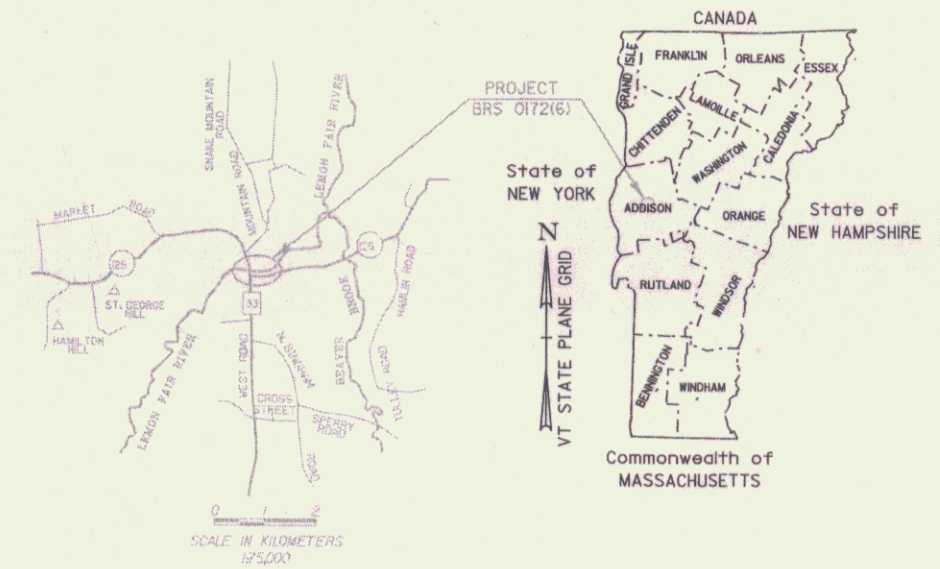


PROPOSED IMPROVEMENT
TOWN OF CORNWALL
COUNTY OF ADDISON

VT ROUTE 125 (MAJOR COLLECTOR)

BEGINNING AT A POINT ON VT ROUTE 125 APPROXIMATELY 0.60 KILOMETERS EAST OF THE BRIDPORT/CORNWALL TOWNLINE
EXTENDING SOUTHERLY THEN EASTERLY ALONG VT ROUTE 125 FOR A DISTANCE OF 400 METERS
LENGTH OF ROADWAY = 274.00 m 0.374 km
LENGTH OF BRIDGE = 46.00 m 0.046 km
LENGTH OF PROJECT = 320.00 m 0.420 km
LENGTH OF ROW PROJECT = 402.7 m 1,321 feet

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES REPLACEMENT OF BRIDGE #9, CONSTRUCTION OF TEMPORARY BRIDGE AND TEMPORARY DETOUR APPROACHES, RECONSTRUCTION OF ROADWAY APPROACHES AND COLDPLANING OF VT ROUTE 125 AND T.H. 33



BEGIN R.O.W. PROJECT
BRS 0172(6)
STA. 1+040.000
10.146M (33.29') LT.

BEGIN MAINT. AGREE ZONE #1
STA. TH 33 2+003.3 CL

END MAINT. AGREE ZONE #1
STA. TH 33 2+031.3 CL
LENGTH=28.0M (92')

END RELINQUISHMENT #1
STA. TH 33 2+124.116
12.192 M (40.00') RT.

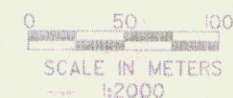
CONVENTIONAL SYMBOLS	
COUNTY LINE	
TOWN LINE	
LIMITS OF ACCESS	
POINT OF ACCESS	
FENCE LINE	
STONE WALL	
TRAVELED WAY	
GUARD RAIL	
RAILROAD	
SURVEY LINE	
CULVERT	
POWER POLE	
TELEPHONE POLE	
TREES	
CONTROL OF ACCESS	
PROPERTY LINE	
R.O.W. TAKING LINE	
SLOPE RIGHTS	
TOP OF CUT	
TOE OF SLOPE	

SURVEYED BY : VTRANS & VT SURVEY
SURVEYED DATE : VARIOUS
DATUM
VERTICAL NAD88
HORIZONTAL NAD83 (92)

Green International Affiliates, Inc.
Consulting Engineers
Medford, MA

BEGIN RELINQUISHMENT #1
STA. TH 33 2+008.275
28.023M (91.94') LT.
= 1+260.000
12.192M (40.00') RT.

END R.O.W. PROJECT
BRS 0172(6)
STA. 1+442.7
7.613M (24.98') RT.



THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

Pin # 85ED42
Date 11/20/2008
LINE SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES P/L ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

Metric
UNLESS NOTED OTHERWISE
STATIONS ARE IN KILOMETERS
ELEVATIONS ARE IN METERS
DIMENSIONS ARE IN MILLIMETERS

APPROVED: *Richard F. Johnson* DATE 9/24/08
Director of Program Development
APPROVED: *Michael J. White* DATE 9/24/08
Chief of Right of Way
CORNWALL
BRS 0172(6)
R.O.W. SHEET 1 OF 30 SHEETS

CORNWALL
SEMI-FINAL PLANS

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 123-130. TEMPORARY DETOUR CROSS SECTIONS
 131-132. CHANNEL CROSS SECTIONS

Standards List

B-5M	Embankments, Muck, Slope Rounding	01/03/00
B-12M	Side Road Intersection	01/03/00
B-17M	Turnouts	01/03/00
BR1-97M	N.E.T.C. Bridge Rail	09/24/01
BR2-97M	N.E.T.C. Bridge Rail	09/24/01
D-4M	Corrugated Pipe End Section, Arch End Sections, and Elbow Granular Material at Metal Culvert Locations Typical Water-fall for Culverts	08/13/07
D-16M	Precast Reinforced Concrete Curb Drop Inlet with Grate, Cast Iron Grates Types B & C, Underdrain Riser, Reinforced Concrete Pipe End Section, Energy Dissipator	06/13/97
D-17M	Saddle Branch For Corrugated Steel Pipe Corrugated Steel Pipe Vertical Riser	06/13/97
D-30	Underdrain Construction Details	08/13/07
E-100AM	Side Road Construction Approach Signs	02/02/98
E-100M	Construction Approach Signs	06/13/97
E-101M	Construction Sign Details	05/30/03
E-102M	Construction Sign Details	06/30/03
E-102AM	Construction Sign Details	06/13/97
E-106M	Traffic Control Miscellaneous Details	06/13/97
E-107M	Delineation, Barriolades and Detours for Construction Areas	06/30/03
E-107AM	Breakaway Barriolade Details	06/13/97

Standards List (cont'd)

E-108M	Construction Zone Longitudinal Drop Offs	06/13/97
E-121M	Standard Sign Placement Conventional Road	06/13/97
E-123M	Guide Sign Placement Miscellaneous Details	06/13/97
E-134M	Bridge Number Plaque	06/13/97
E-138M	Reference Plaque Details State and Town Highways	05/30/03
E-142M	Regulatory Sign Details	06/13/97
E-143M	Regulatory Sign Details	06/13/97
E-150M	Warning Sign Details	06/13/97
E-151M	Warning Sign Details	06/13/97
E-155M	Warning Sign Details	06/13/97
E-160M	Flanged Channel Steel Sign Post	06/13/97
E-191M	Pavement Marking Details	02/01/99
E-192M	Pavement Marking Details	12/28/98
E-193M	Pavement Marking Details	06/13/97
E-197M	Delineator Placement Typical	06/13/97
G-1M	Steel Beam Guardrail with Steel Posts	01/03/00
G-1dM	Steel Beam Guardrail with Wood Posts	
G-4M	Plank Rail, Guide Posts, Yielding Marker Posts	06/13/97
G-18AM	Positive Connection Details Between Temporary Barrier Rail and Existing Steel Beam Guardrail	07/10/97
G-18M	Precast Concrete Temporary Traffic Barrier	06/13/97
G-19M	Generic Plans for Guardrail End Terminals	11/15/02
J-1M	Boundary Markers	06/13/97

FINAL HYDRAULICS REPORT



HYDROLOGIC DATA

DRAINAGE AREA = 176 mi²
 CHARACTER OF TERRAIN: ROLLING HILLS TO LEVEL (FLOODPLAIN)
 CHARACTER & TYPE OF STREAM: PERENNIAL, NOT INCISED, SINUOUS, NOT BRAIDED, NOT ANABRANCHED
 NATURE OF STREAMBED: SILT-CLAY
 02.33+ 33.7 m³/s 050+ 113.1 m³/s
 010+ 72.4 m³/s 0100+ 132.0 m³/s
 025+ 91.9 m³/s 0500+ 193.8 m³/s
 DATE OF FLOOD OF RECORD: NO RECORD
 WATER SURFACE ELEV.: UNKNOWN ESTIMATED DISCHARGE:
 NATURAL STREAM VELOCITY @ 050+ 0.95 m/s
 ICE CONDITIONS: SLIGHT DEBRIS: SLIGHT
 IS ORDINARY RISE RAPID?: NO
 DOES THE STREAM REACH MAXIMUM HIGHWATER ELEVATION RAPIDLY?: NO
 IS STAGE AFFECTED BY UPSTREAM OR DOWNSTREAM CONDITIONS?: YES
 IF YES, DESCRIBE: THERE IS A LARGE WETLAND AREA UPSTREAM OF THE BRIDGE SITE WHICH PROVIDES SIGNIFICANT FLOOD STORAGE, THEREBY REDUCING PEAK FLOWS
 WATERSHED STORAGE: 2.85 HEADWATERS: UNIFORM THROUGHOUT WATERSHED: IMMEDIATELY ABOVE SITE: YES

EXISTING STRUCTURE

STRUCTURE TYPE: 2 SPAN MULTI-BEAM YEAR BUILT: 1936
 CLEAR SPAN (NORMAL TO STREAM): 36.5 m
 VERTICAL CLEARANCE ABOVE STREAMBED: 5.2 m
 WATERWAY OF FULL OPENING: 149.11 m²
 DISPOSITION OF STRUCTURE: REMOVE
 TYPE OF MATERIAL UNDER SUBSTRUCTURE: SILT-CLAY
 WATER SURFACE ELEV.: 02.33+ 43.51 m VELOCITY: 0.64 m/s
 010+ 44.55 m VELOCITY: 0.82 m/s
 025+ 44.96 m VELOCITY: 0.88 m/s
 050+ 45.38 m VELOCITY: 0.95 m/s
 0100+ 45.72 m VELOCITY: 1.00 m/s
 LONG TERM STREAM BED CHANGES: CHANNEL HAS SCURED OR DEGRADED 0.8m SINCE 1936 BASED ON 1936 BRIDGE PLANS
 IS THE ROADWAY OVERTOPPED BELOW THE Q100? NO FREQUENCY: N/A
 RELIEF ELEVATION: 42.37 m DISCHARGE OVER ROAD @ Q100: 0
 UPSTREAM STRUCTURE: TOWN: SHOREHAM DISTANCE: 8.23 km
 HIGHWAY NO.: VT 74 STRUCTURE NO.: 2
 STRUCTURE TYPE: 3 SPAN STEEL BEAM
 CLEAR SPAN: 56.5 m CLEAR HEIGHT: 2.7 m
 YEAR BUILT: 1939 FULL WATERWAY: 149.85 m²
 DOWNSTREAM STRUCTURE: TOWN: WYBURN DISTANCE: 4.66 km
 HIGHWAY NO.: T.B. 17 STRUCTURE NO.: 10
 STRUCTURE TYPE: ROLLED BEAM
 CLEAR SPAN: 22.5 m CLEAR HEIGHT: 2.1 m
 YEAR BUILT: 1968 FULL WATERWAY: 147.25 m²

PROPOSED STRUCTURE

STRUCTURE TYPE: SINGLE SPAN MULTI-PLATE GIRDER
 CLEAR SPAN (NORMAL TO STREAM): 44.0 m
 VERTICAL CLEARANCE ABOVE STREAMBED: 5.1 m
 WATERWAY OF FULL OPENING: 147.36 m²
 WATER SURFACE ELEV.: 02.33+ 43.51 m VELOCITY: 0.64 m/s
 010+ 44.55 m VELOCITY: 0.82 m/s
 025+ 44.96 m VELOCITY: 0.88 m/s
 050+ 45.38 m VELOCITY: 0.95 m/s
 0100+ 45.72 m VELOCITY: 1.00 m/s
 IS THE ROADWAY OVERTOPPED BELOW THE Q100? NO FREQUENCY: N/A
 RELIEF ELEVATION: 42.37 m DISCHARGE OVER ROAD @ Q100: 0
 AVERAGE LOW ELEVATION OF SUPERSTRUCTURE: 46.105 m
 VERTICAL CLEARANCE @ 050+ 0.735 m (average)
 SCOUR: CONTRACTION SCOUR = 1.03 m @ 0100 & 2.50 m @ 0500
 REQUIRED CHANNEL PROTECTION: TYPE 11 STONE IN FRONT OF ABUTMENTS

PERMIT INFORMATION

AVERAGE DAILY FLOW: 2.6 m³/s
 ORDINARY LOW WATER: 42.37 m DEPTH: 1.33 m
 ORDINARY HIGH WATER: 42.74 m DEPTH: 1.70 m

TEMPORARY BRIDGE REQUIREMENTS

STRUCTURE TYPE: SINGLE SPAN
 CLEAR SPAN (NORMAL TO STREAM): 36.5 (MIN)
 VERTICAL CLEARANCE ABOVE STREAM BED: 5.2 (MIN)
 WATERWAY AREA OF FULL OPENING: 149.11 (MIN)

ADDITIONAL COMMENTS

DESIGN CRITERIA:
 1. DESIGN LIVE LOAD AASHTO MS22.5
 2. DESIGN SPAN 45.0 m
 3. ALLOWABLE LOAD FOR SPREAD FOOTINGS ON SOIL: N/A ON LEDGE: N/A
 4. ULTIMATE CAPACITY OF PILE: 2350 kN TYPE: HP360x132 ESTIMATED LENGTH: 14 m
 5. STRUCTURAL STEEL AASHTO GRADE: 345W
 6. REINFORCING STEEL GRADE: 420
 7. CONCRETE CLASS A: F_c: 30 MPa
 CONCRETE CLASS B: F_c: 25 MPa
 SILICA-FUME CONCRETE: F_c: 35 MPa
 TRAFFIC MAINTENANCE:
 1. IS TRAFFIC TO BE MAINTAINED? YES IF YES, ON EXISTING STRUCTURE OR ON TEMPORARY BRIDGE: X
 2. TEMPORARY BRIDGE REQUIREMENTS: ONE OR TWO WAY: TWO-WAY TRAFFIC CONTROL SIGNALS REQUIRED: NO
 MINIMUM
 ARE SIDEWALKS REQUIRED? NO IF SO, ON WHAT SIDE?

LOAD FACTOR LOAD RATING (TONS)

LOADING LEVELS (LOAD FACTOR)	TRUCK					
	M	MS	3S2	6 AXLE	3A. STR.	4A. STR. 5A. SEMI
INVENTORY A=2.17 B=1.00	26	48				
POSTED A=1.55 B=1.40	37	67	73		64	65 71
OPERATING A=1.30 B=1.67	80	87	95	95	77	77

STRENGTH $RF = \frac{M_u}{A \times M_{LL+1}}$ SERVICEABILITY $RF = B \left[\frac{.95 F_y S_{LL+1} - M_{u, S_{LL+1}}}{1.67 M_{LL+1}} - M_{u, S_{LL+1}} \right]$

TRAFFIC DATA

YEAR	ADT	DHV	% D	% T	ADTT
2009	2700	300	67	10.2	310
2029	3300	370	67	13.6	500

20 year ESAL for flexible pavement from 2009 to 2029: 2,393,000
 40 year ESAL for flexible pavement from 2009 to 2049: 5,638,000
 Design speed: 50 km/h

STATE OF VERMONT AGENCY OF TRANSPORTATION

Town Of: CORNWALL Bridge No. 9
 Highway No.: VT ROUTE 125 Log Sta. Surv. Sta.

PRELIMINARY INFORMATION SHEET

VT ROUTE 125 OVER LEMON FAIR RIVER
 Designed By: _____ Drawn By: _____
 Checked By: _____ Date: _____ Bridge Design Supervisor: _____
 Date: _____
 PROJECT: CORNWALL PROJECT NO.: BRS 01721G
 I.G.C. Info.: r85e042pl.dgn
 Bridge Sheet No.: _____ Sheet 2 of 30

TYPICAL SECTIONS VT ROUTE 125

40 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT IN ONE LIFT (TYPE III PG58-28)
 50 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT IN ONE LIFT (TYPE II PG58-28)
 75 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT IN ONE LIFT (TYPE I PG58-28)
 500 SUBBASE OF DENSE GRADED CRUSHED STONE
 250 SAND BORROW

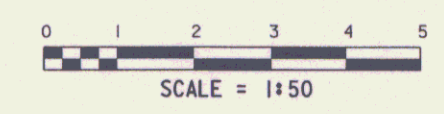
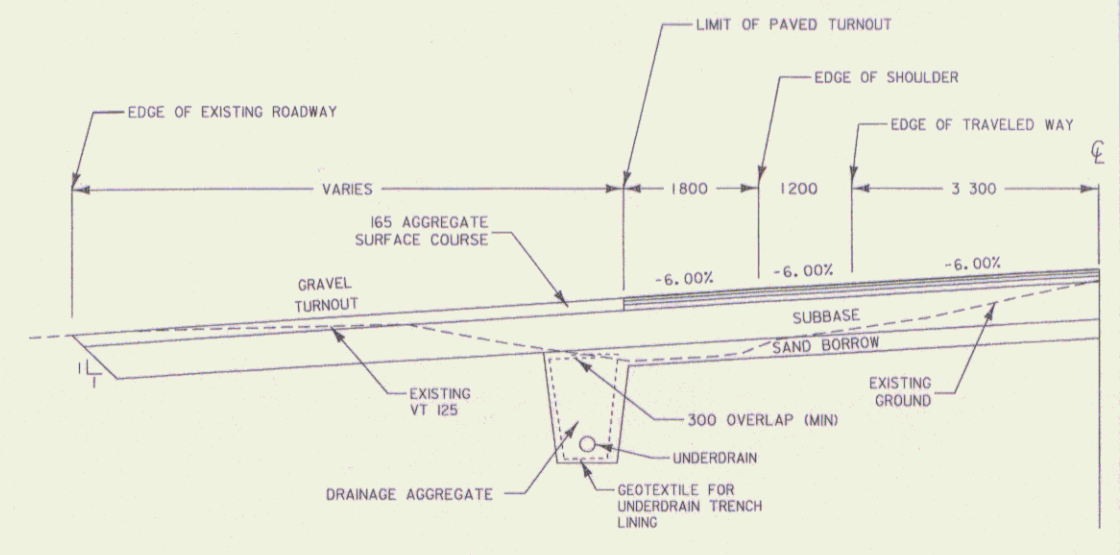
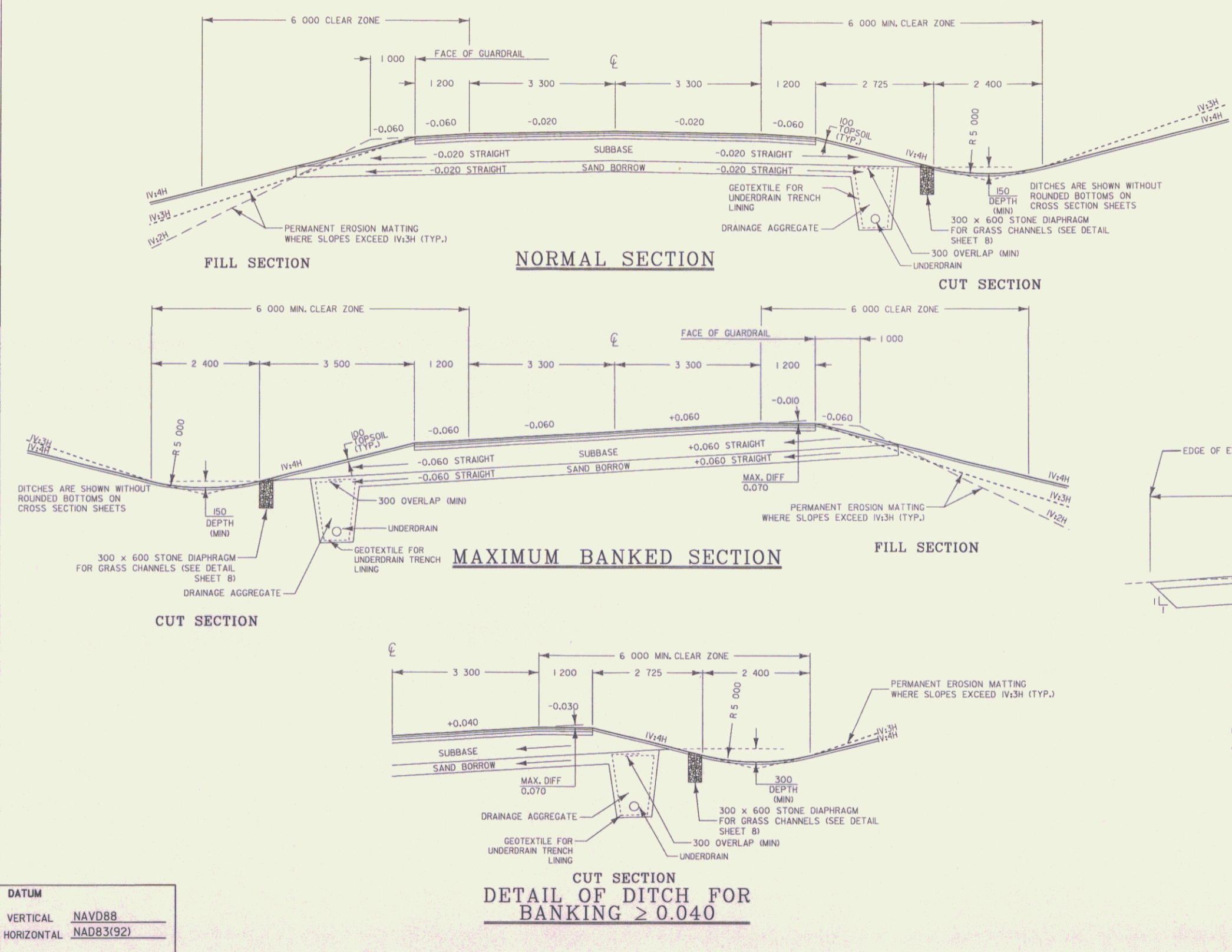
MATERIAL ITEM	THICKNESS	TOLERANCE
PAVEMENT (TOTAL DEPTH ALL LAYERS)	+/-5	
SUBBASE	+/-30	
SAND BORROW	+/-30	

SEEDING FORMULA RURAL AREAS

% MASS	kg/ha	NAME	PUR %	GERM %
37.5	26.0	CREeping RED FESCUE	98	85
37.5	26.0	TALL FESCUE	95	90
5.0	4.0	RED TOP	95	90
15.0	10.0	BIRDSFOOT TREFOIL	98	85
5.0	4.0	ANNUAL RYE GRASS	95	85
100.0	70.0			

GENERAL NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY MASS AND SHALL BE FREE OF ALL NOXIOUS SEED.
 SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.
 FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 560 kg/ha. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).
 AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 4500 kg/ha, OR AS DIRECTED BY THE ENGINEER.
 HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 4500 kg/ha, OR AS DIRECTED BY THE ENGINEER.
 TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
 MARKER POSTS: TO BE PLACED AS INDICATED OR AS DIRECTED BY THE ENGINEER.
 SLOPE ROUNDING: ALL CUT SLOPES TO BE ROUNDED IN ACCORDANCE WITH STANDARD SHEET B-3M.
 PAY LIMITS OF SAND BORROW, WHEN USED IN CONJUNCTION WITH UNDERDRAIN - SEE STANDARD SHEET D-2M.
 TACK COAT: EMULSIFIED ASPHALT IS TO BE APPLIED AT THE RATE OF 0.07 L/m² BETWEEN SUCCESSIVE COURSES OF PAVEMENT AS DIRECTED BY THE ENGINEER.



DATUM

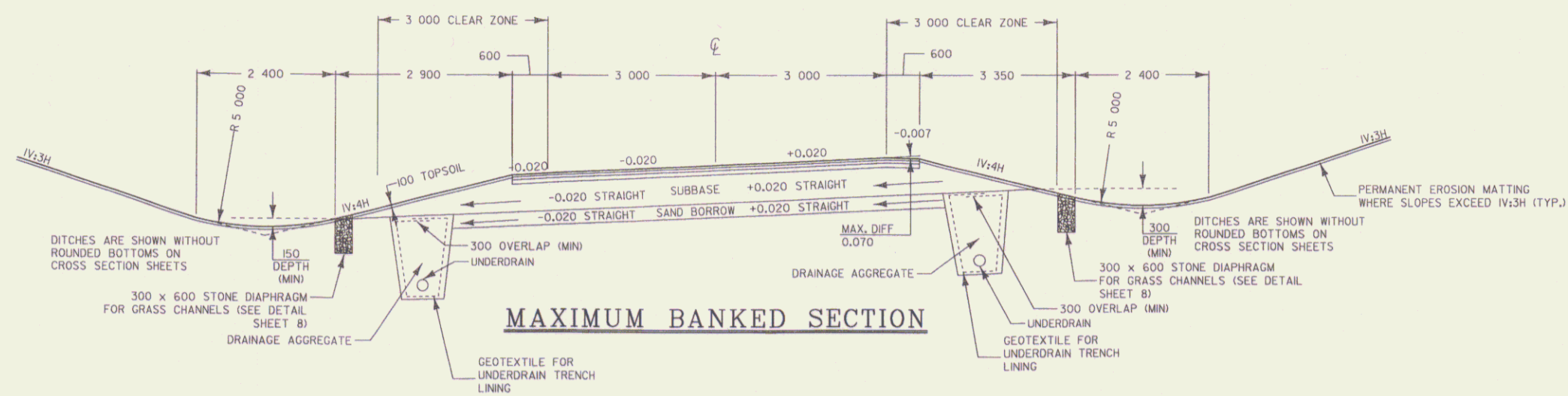
VERTICAL	NAVD88
HORIZONTAL	NAD83(92)

PROJECT: CORNWALL	PROJECT NO.: BRS 0172(6)
DESIGN FILE NAME: ****FILENAME***	PLOT DATE: 03-JUN-2008
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 3 OF 30

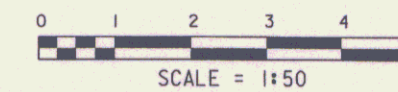
MATERIAL ITEM	THICKNESS	TOLERANCE
PAVEMENT (TOTAL DEPTH ALL LAYERS)		+/-5
SUBBASE		+/-30
SAND BORROW		+/-30

TYPICAL SECTION T.H. 33

40 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT IN ONE LIFT (TYPE III PG58-28)
 50 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT IN ONE LIFT (TYPE II PG58-28)
 75 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT IN ONE LIFT (TYPE I PG58-28)
 500 SUBBASE OF DENSE GRADED CRUSHED STONE
 250 SAND BORROW



NOTE: SLOPE ROUNDING SHALL NOT BE APPLIED TO ALL SECTIONS. REFER TO CROSS SECTIONS FOR LOCATIONS WHERE SLOPE ROUNDING IS NOT TO BE APPLIED.



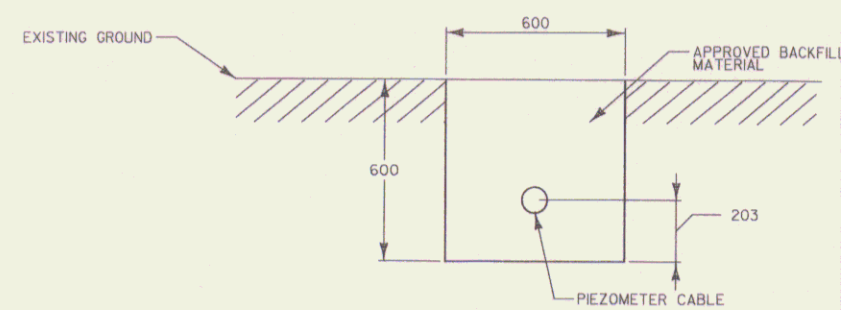
DATUM	
VERTICAL	NAVD88
HORIZONTAL	NAD83(92)

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SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 4 OF 30

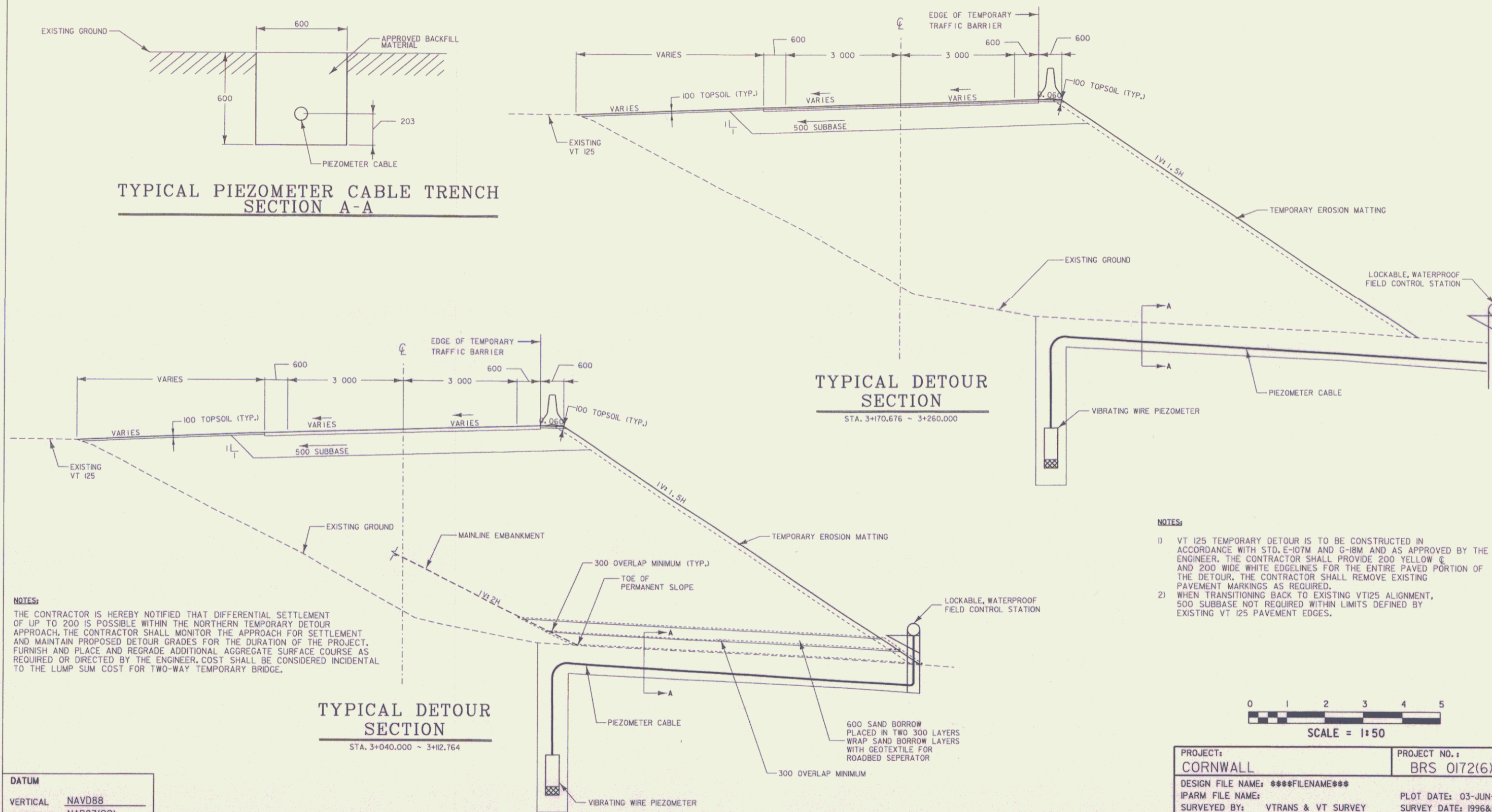
TYPICAL SECTION TEMPORARY DETOUR

MATERIAL ITEM	THICKNESS	TOLERANCE
PAVEMENT (TOTAL DEPTH ALL LAYERS)	+/-5	
SUBBASE	+/-30	
SAND BORROW	+/-30	

100 AGGREGATE SURFACE COURSE (STA. 3+040.000 ~ 3+112.764)
 40 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT IN ONE LIFT (TYPE IIPG58-28) (STA. 3+170.676 ~ 3+260.000)
 50 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT IN ONE LIFT (TYPE IIPG58-28) (STA. 3+170.676 ~ 3+260.000)
 500 SUBBASE OF DENSE GRADED CRUSHED STONE (SEE NOTE 2)



TYPICAL PIEZOMETER CABLE TRENCH
SECTION A-A



TYPICAL DETOUR SECTION
STA. 3+170.676 ~ 3+260.000

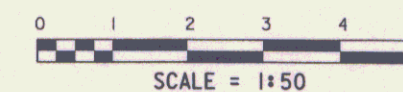
TYPICAL DETOUR SECTION
STA. 3+040.000 ~ 3+112.764

NOTES:

THE CONTRACTOR IS HEREBY NOTIFIED THAT DIFFERENTIAL SETTLEMENT OF UP TO 200 IS POSSIBLE WITHIN THE NORTHERN TEMPORARY DETOUR APPROACH. THE CONTRACTOR SHALL MONITOR THE APPROACH FOR SETTLEMENT AND MAINTAIN PROPOSED DETOUR GRADES FOR THE DURATION OF THE PROJECT. FURNISH AND PLACE AND REGRADE ADDITIONAL AGGREGATE SURFACE COURSE AS REQUIRED OR DIRECTED BY THE ENGINEER. COST SHALL BE CONSIDERED INCIDENTAL TO THE LUMP SUM COST FOR TWO-WAY TEMPORARY BRIDGE.

NOTES:

- VT 125 TEMPORARY DETOUR IS TO BE CONSTRUCTED IN ACCORDANCE WITH STD. E-107M AND G-18M AND AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE 200 YELLOW ϵ AND 200 WIDE WHITE EDGELINES FOR THE ENTIRE PAVED PORTION OF THE DETOUR. THE CONTRACTOR SHALL REMOVE EXISTING PAVEMENT MARKINGS AS REQUIRED.
- WHEN TRANSITIONING BACK TO EXISTING VT125 ALIGNMENT, 500 SUBBASE NOT REQUIRED WITHIN LIMITS DEFINED BY EXISTING VT 125 PAVEMENT EDGES.



DATUM	
VERTICAL	NAVD88
HORIZONTAL	NAD83(92)

PROJECT: CORNWALL	PROJECT NO.: BRS 0172(6)
DESIGN FILE NAME: ****FILENAME***	PLOT DATE: 03-JUN-2008
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 5 OF 30

GPS CONTROL POINTS

TRAV. 1

VTAT DISK STAMPED
 * LEMON FAIR AZ MK*
 N = 166531.783
 E = 439175.480
 Z = 59.740

VTPID - VTO153
 GENERAL LOCATION, 5 MI (8.0 KM) WEST OF MIDDLEBURY, 3 MI (4.8 KM) WEST OF BRIDPORT.

TO REACH, FROM THE JUNCTION OF VT ROUTE 30 AND VT ROUTE 125 IN MIDDLEBURY, PROCEED WEST ON ROUTE 125 FOR 5.3 MI (8.5 KM) TO THE MARK ON THE LEFT.

THE MARK IS LOCATED 315 FT (96.0 M) WEST OF THE CORNWALL/BRIDPORT TOWN LINE, 96.4 FT (29.3 M) SOUTHEAST OF UTILITY POLE NUMBER 49, 25.6 FT (7.8 M) SOUTH OF THE CENTERLINE OF ROUTE 125, AND 1 FT (0.3 M) NORTH OF A FIBERGLASS WITNESS POST.

TRAV. 2

VTAT DISK STAMPED
 * LEMON FAIR 1995*
 N = 165432.306
 E = 439683.347
 Z = 63.140

VTPID - 0152
 GENERAL LOCATION, 5 MI (8.0 KM) WEST OF MIDDLEBURY, 3 MI (4.8 KM) EAST OF BRIDPORT.

TO REACH, FROM THE JUNCTION OF VT ROUTE 30 AND VT ROUTE 125 IN MIDDLEBURY, PROCEED WEST ON ROUTE 125 FOR 4.7 MI (7.6 KM) TO A SIDE ROAD LEFT CALLED WEST ST. PROCEED SOUTH ON WEST ST FOR 0.3 MI (0.5 KM) TO A GRAVEL DRIVE AND THE MARK ON THE LEFT AND EAST.

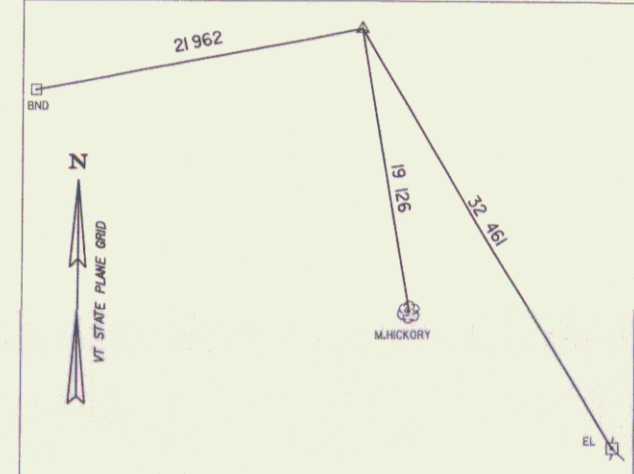
THE MARK IS LOCATED 25 FT (7.6 M) EAST OF THE CENTERLINE OF THE ROAD, 18 FT (5.5 M) NORTH OF THE CENTERLINE OF THE GRAVEL DRIVE 4 FT (1.2 M) WEST OF A FENCE CORNER, AND 2 FT (0.6 M) WEST OF A FIBERGLASS WITNESS POST.

• DESCRIPTIONS PROVIDED BY AGENCY OF TRANSPORTATION GEODETIC SURVEY UNIT.

TRAVERSE TIES

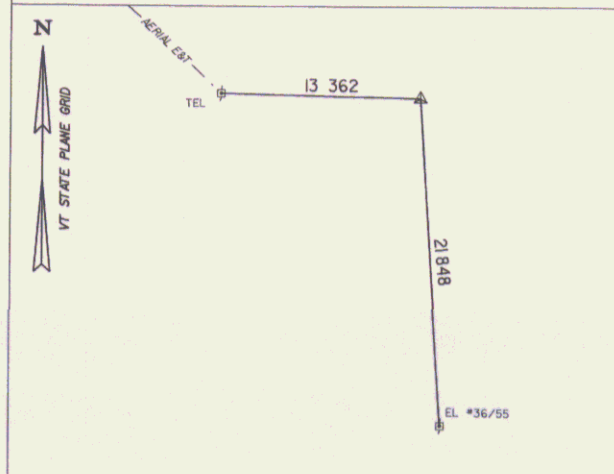
TRAV. 7

N = 166509.1388
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 Z = 63.500



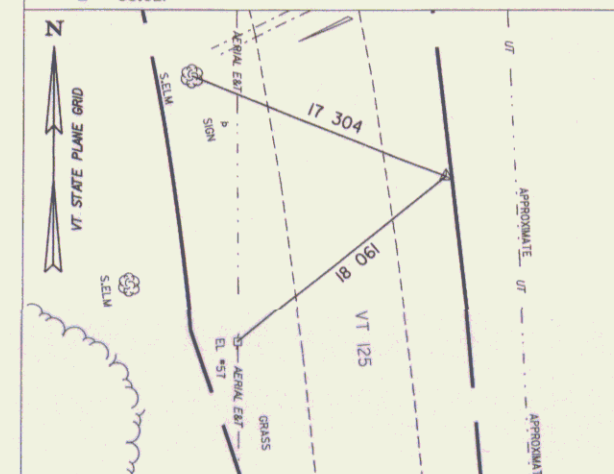
TRAV. 6

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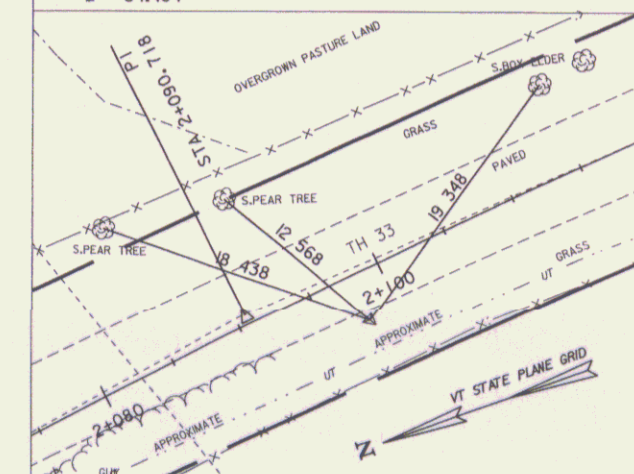
TRAV. 5

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 Z = 58.921



TRAV. 4

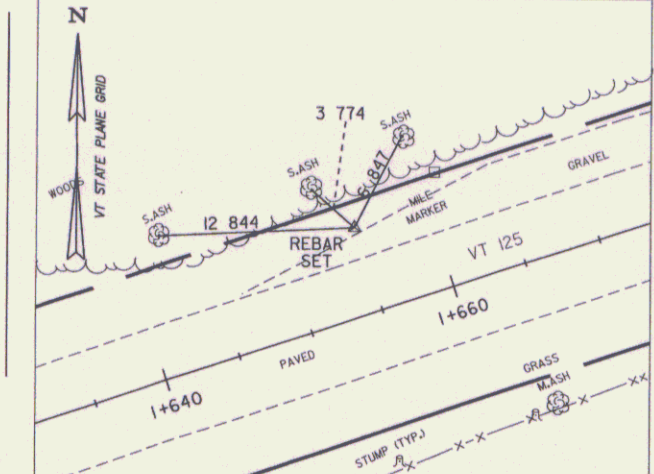
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TRAVERSE TIES

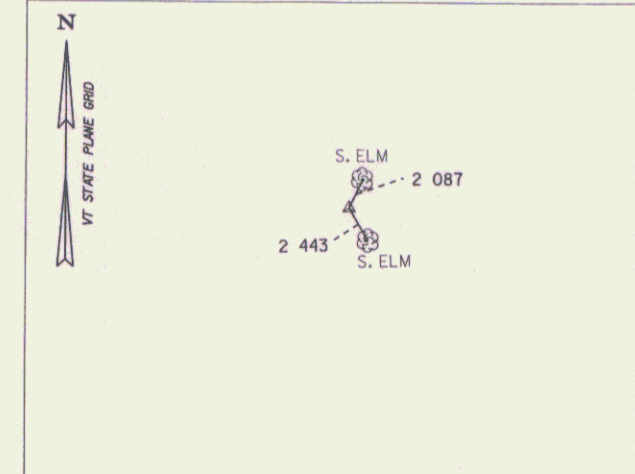
TRAV. 50

N = 165920.3837
 E = 440067.4537
 Z = 54.723



TRAV. 51

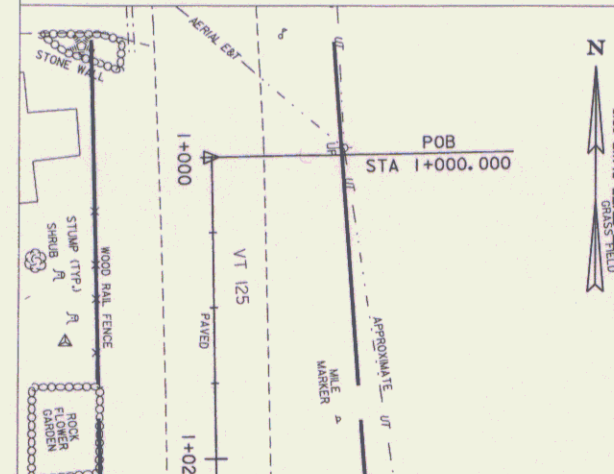
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ALIGNMENT TIES

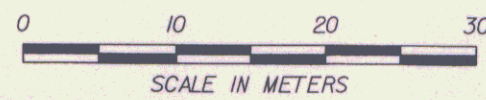
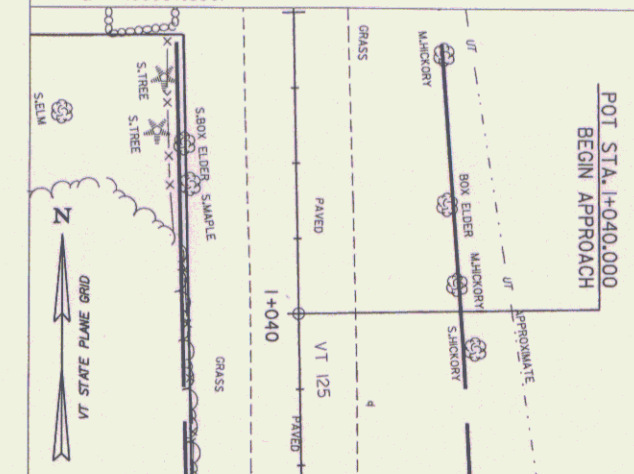
VT 125 POB STA. 1+000.000

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VT 125 POT STA. 1+040.000

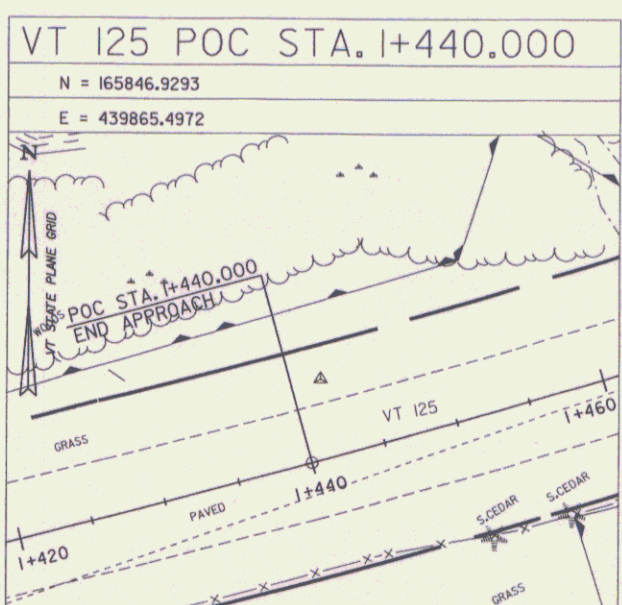
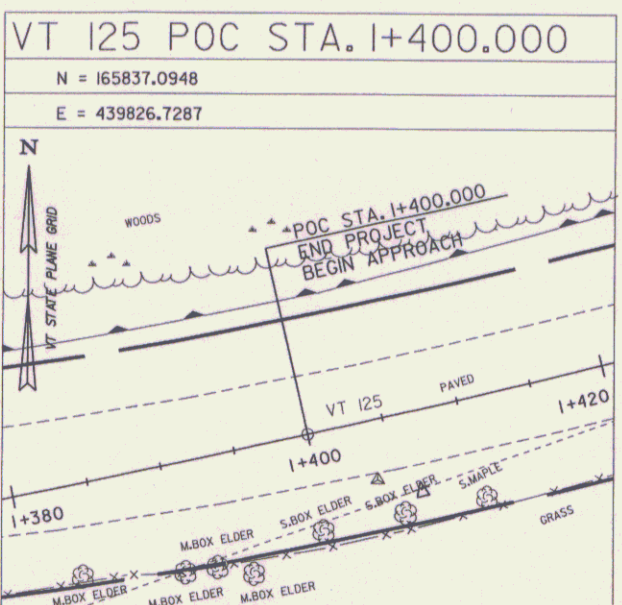
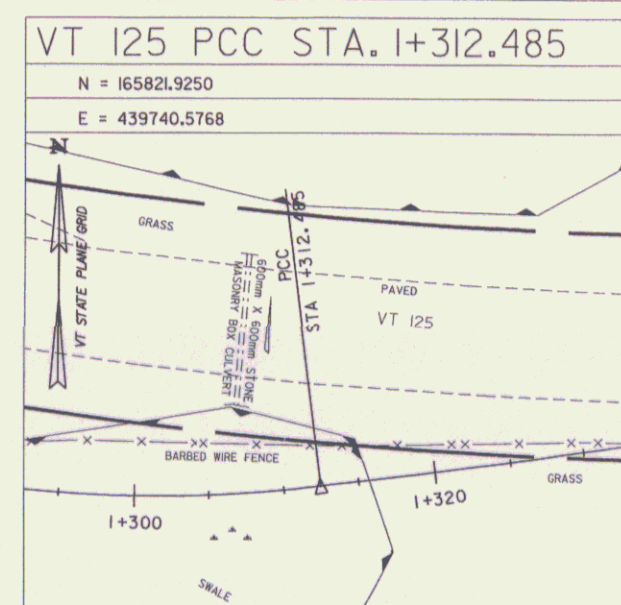
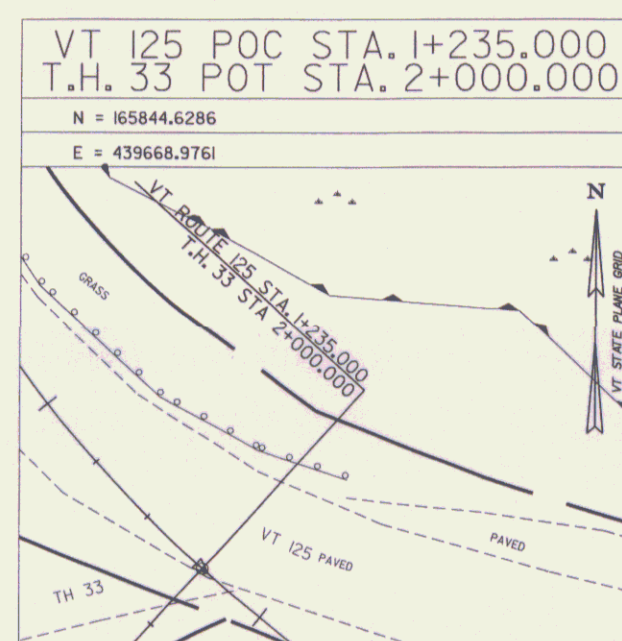
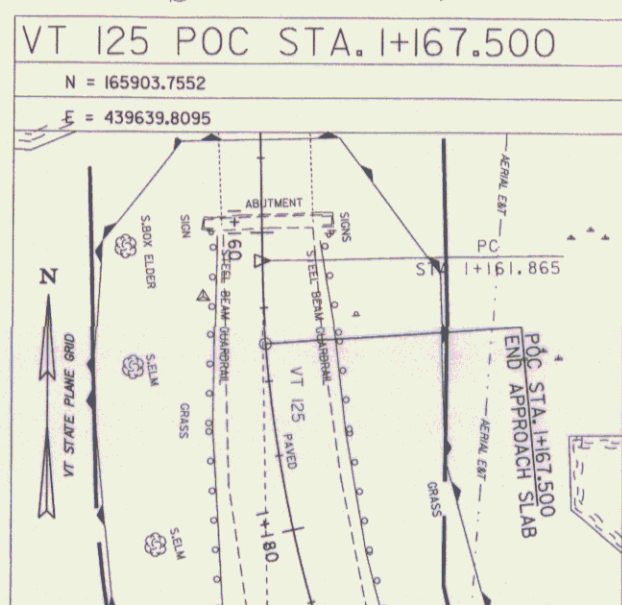
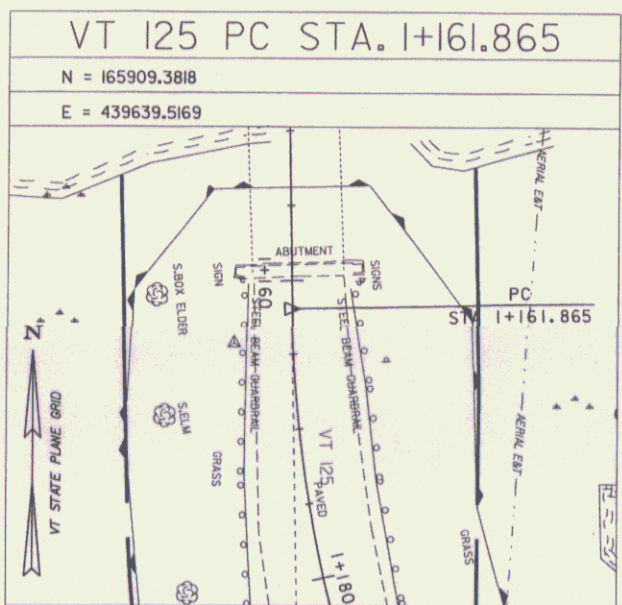
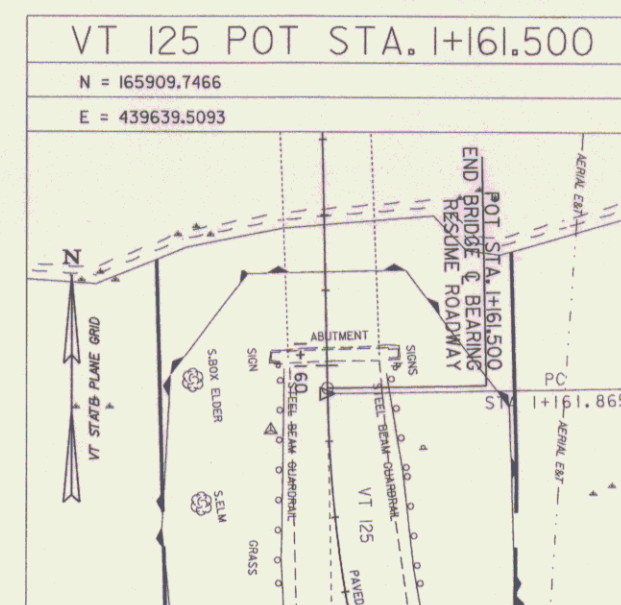
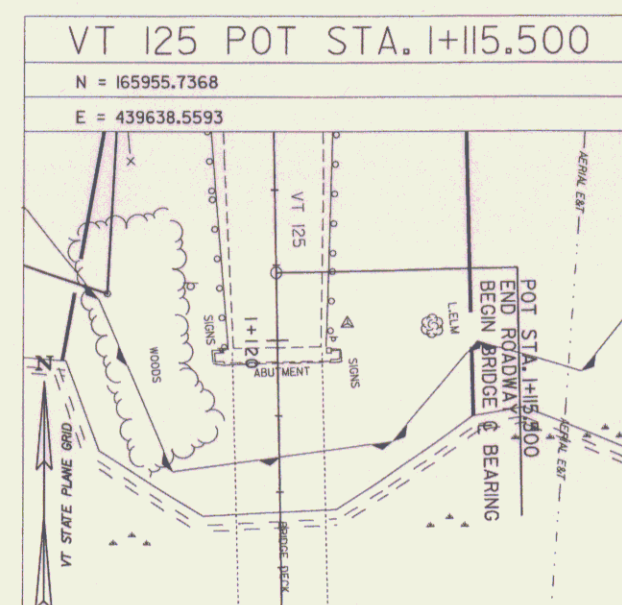
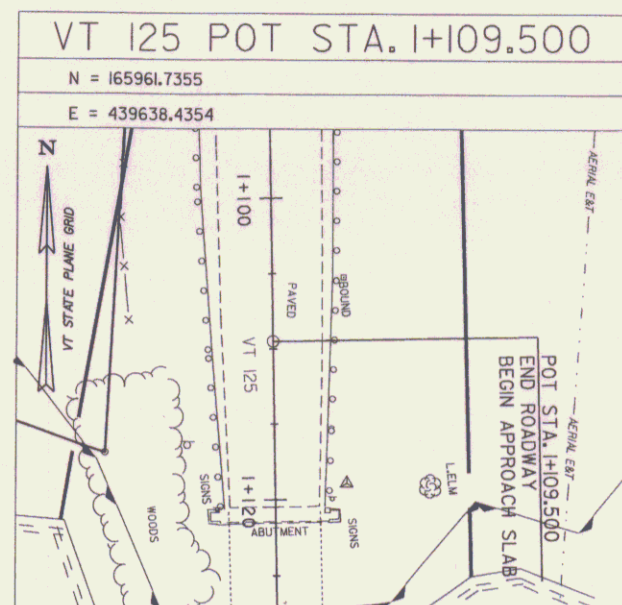
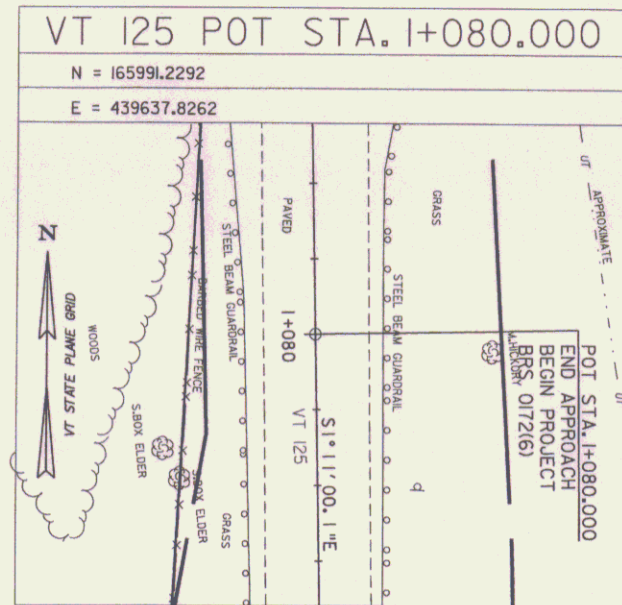
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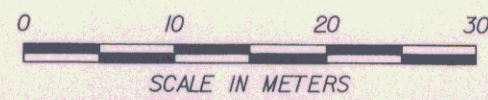
DATUM
 VERTICAL NAVD 88
 HORIZONTAL NAD 83(92)

PROJECT: CORNWALL
 DESIGN FILE NAME: ****FILENAME***
 IPARM FILE NAME:
 SURVEYED BY: VTRANS & VT SURVEY
 SQUAD LEADER: MARTHA EVANS-MONGEON
 TIE SHEET 1 OF 4
 PROJECT NO.: BRS 0172(6)
 PLOT DATE: 03-JUN-2008
 SURVEY DATE: 1996&1999
 DRAWN BY: ERIC ATKINS
 ROW SHEET 6 OF 30

ALIGNMENT TIES

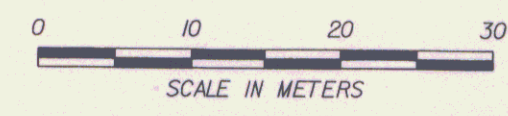
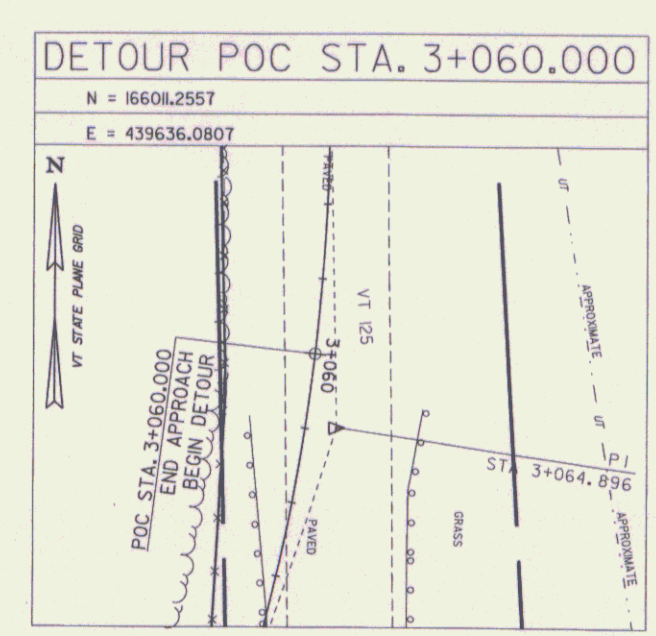
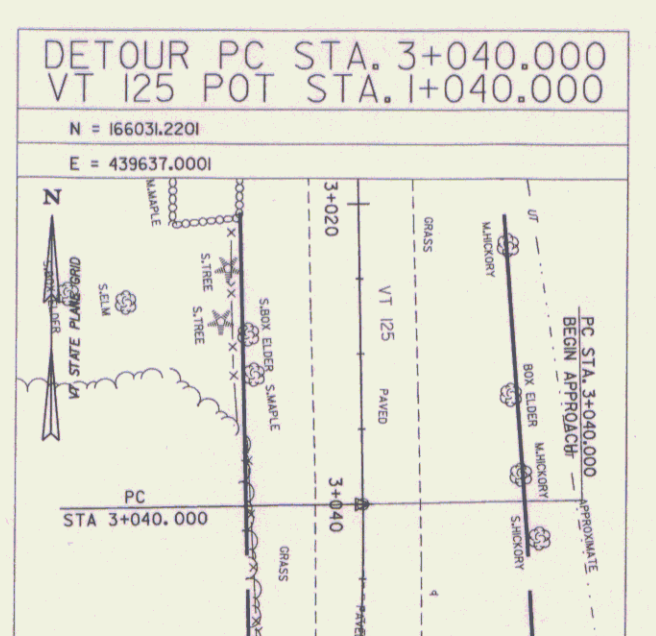
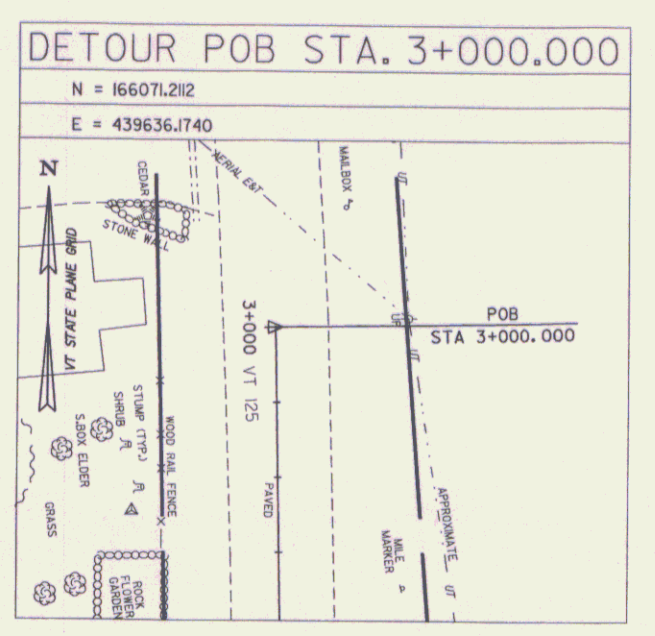
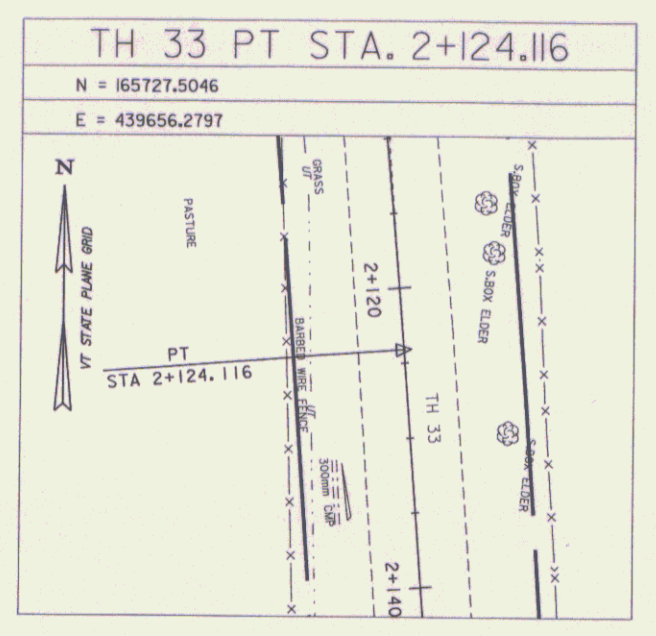
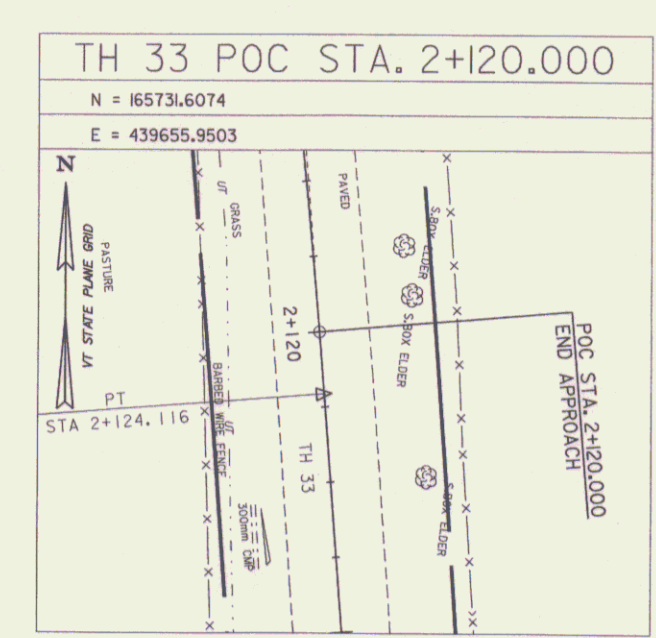
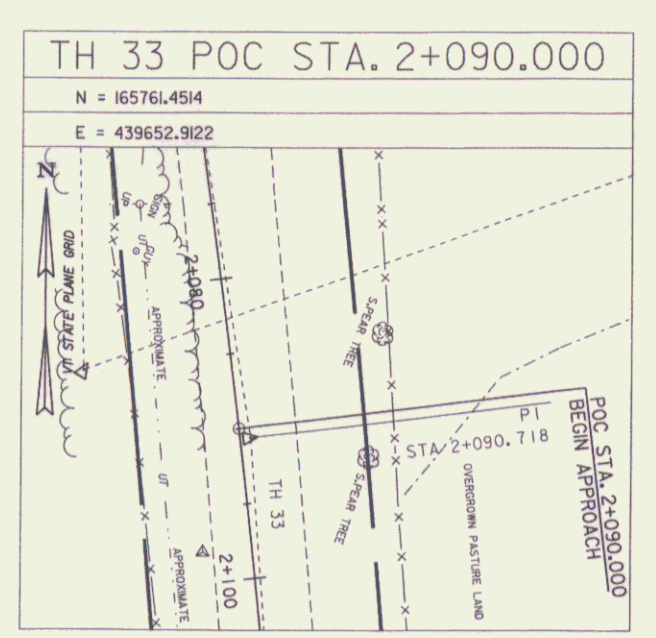
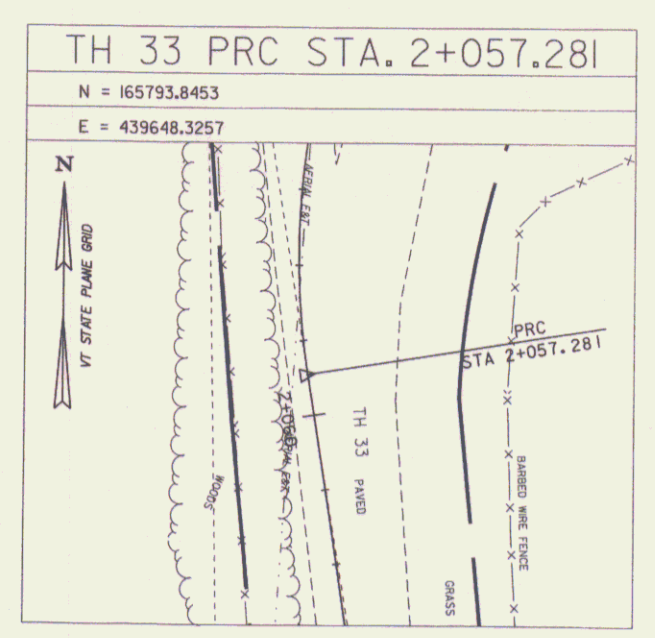
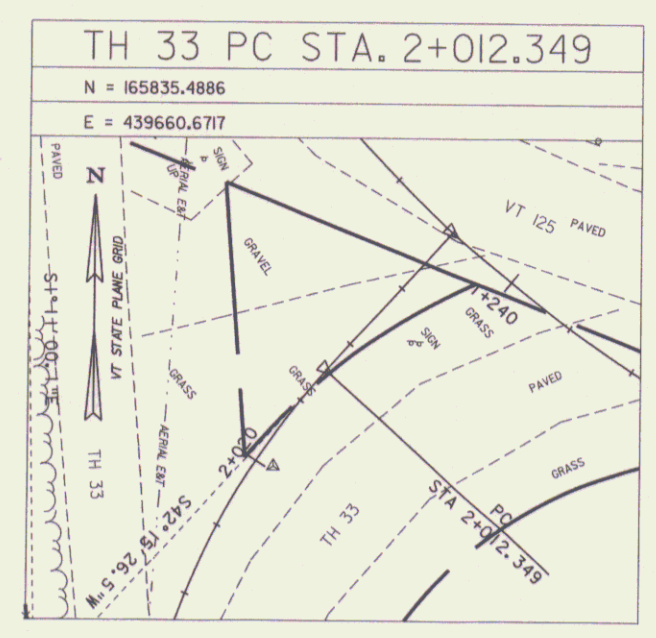


DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83(92)



PROJECT: CORNWALL	PROJECT NO.: BRS 0172(6)
DESIGN FILE NAME: ****FILENAME****	PLOT DATE: 03-JUN-2008
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 7 OF 30
THE SHEET 2 OF 4	

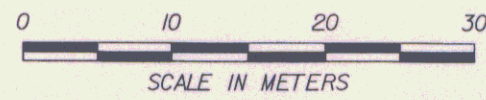
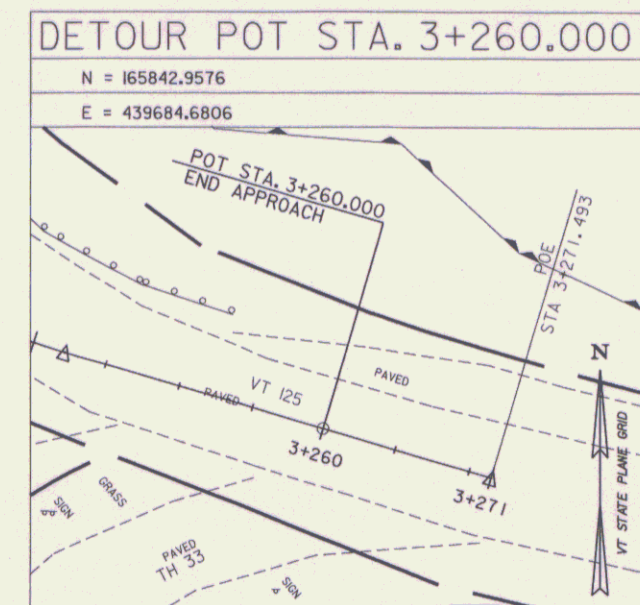
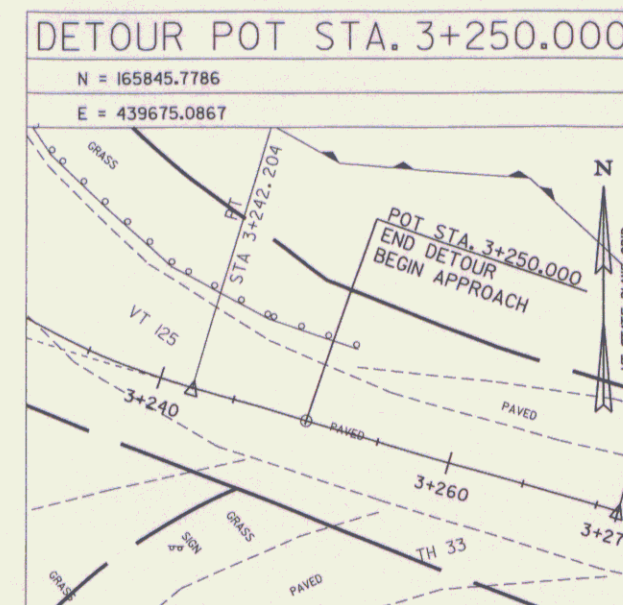
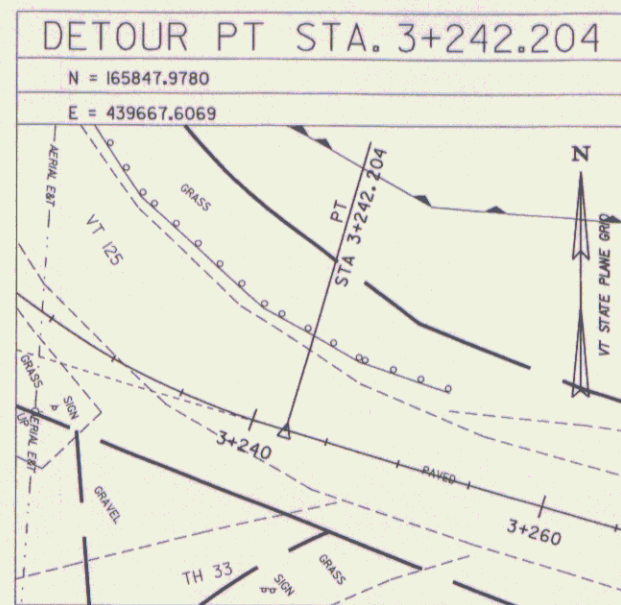
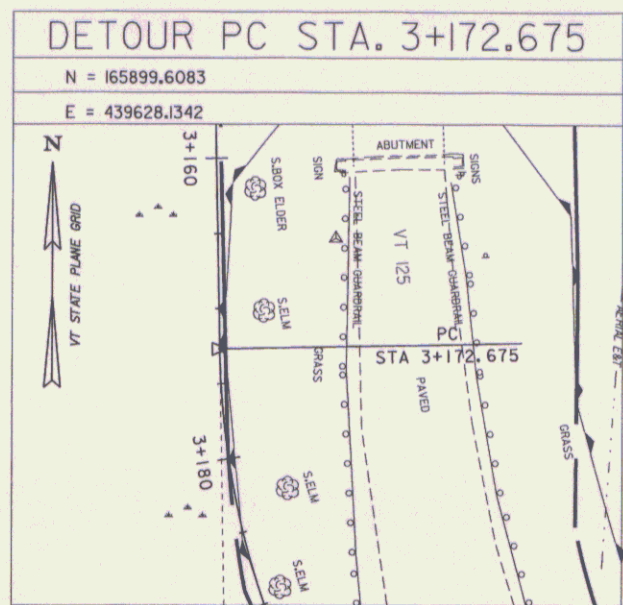
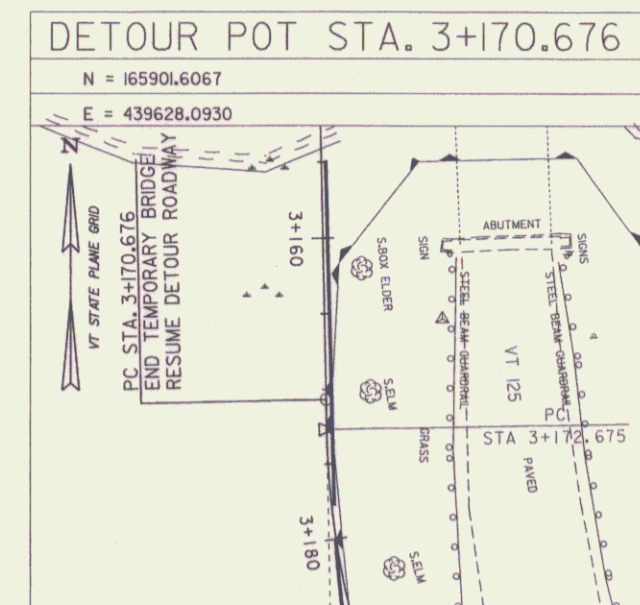
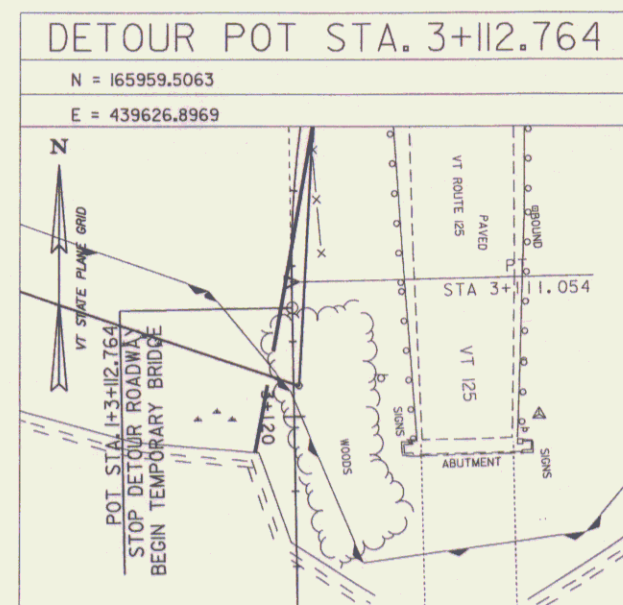
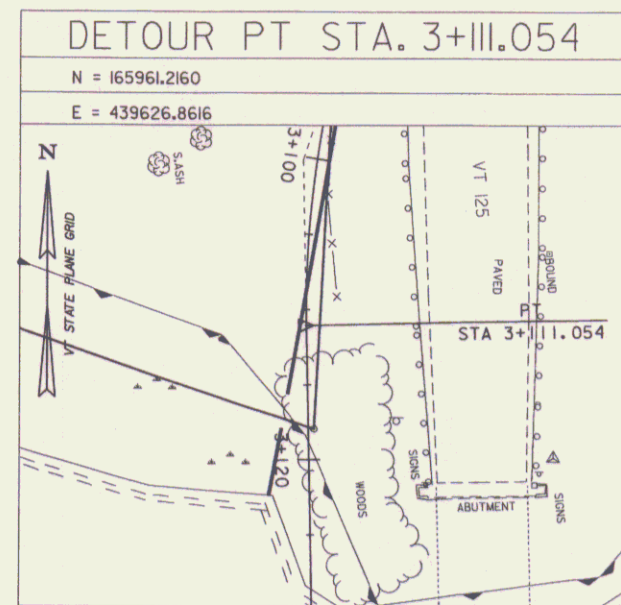
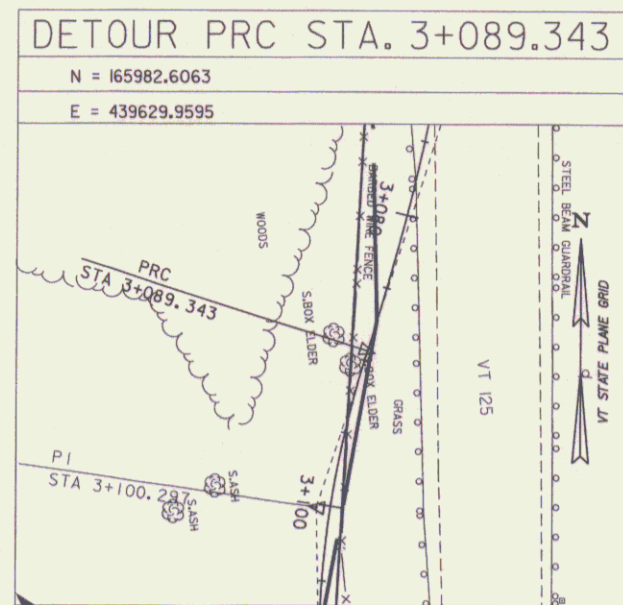
ALIGNMENT TIES



DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83(92)

PROJECT: CORNWALL	PROJECT NO.: BRS 0172(6)
DESIGN FILE NAME: ****FILENAME***	PLOT DATE: 03-JUN-2008
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 8 OF 30
TIE SHEET 3 OF 4	

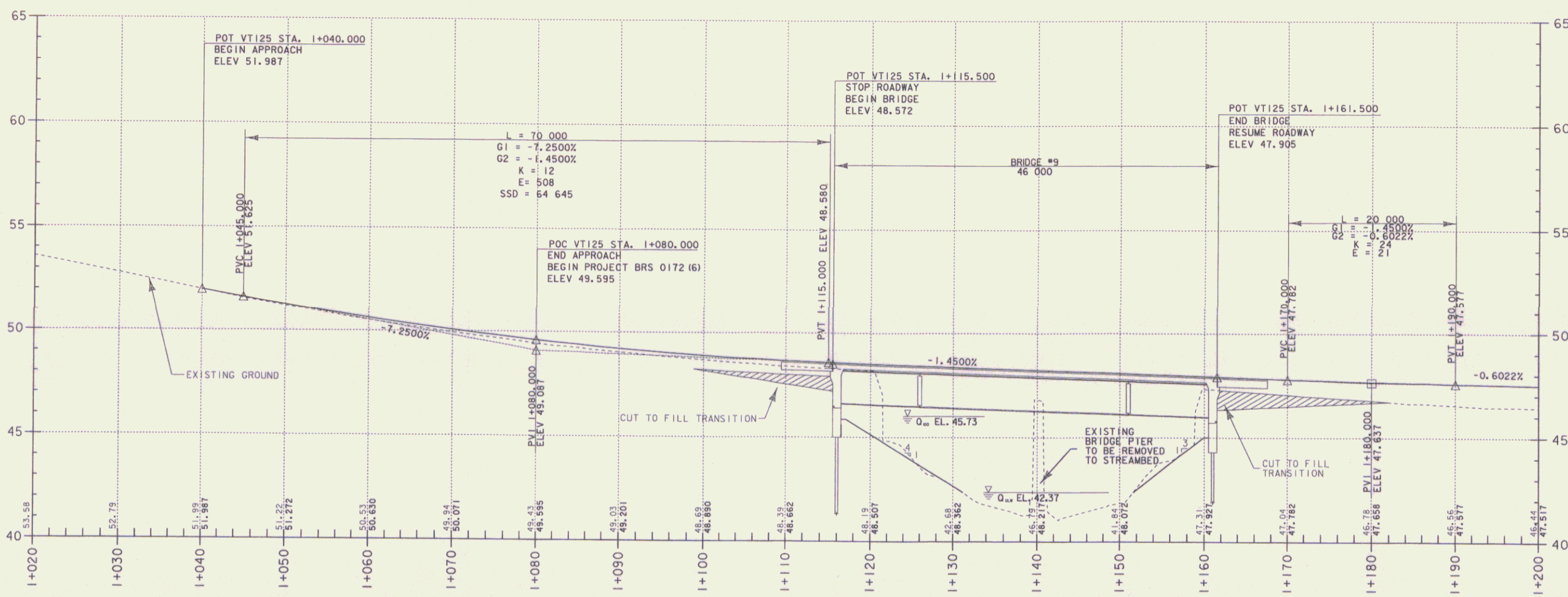
ALIGNMENT TIES



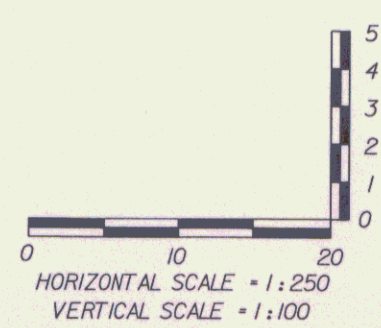
DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83(92)

PROJECT: CORNWALL	PROJECT NO.: BRS 0172(6)
DESIGN FILE NAME: ****FILENAME***	PLOT DATE: 03-JUN-2008
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 9 OF 30
TIE SHEET 4 OF 4	

VT 125 Profile



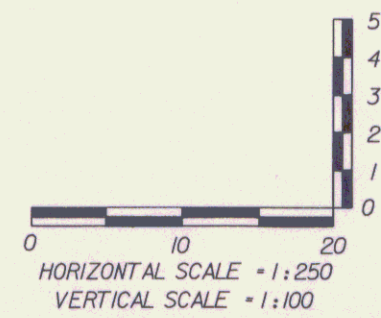
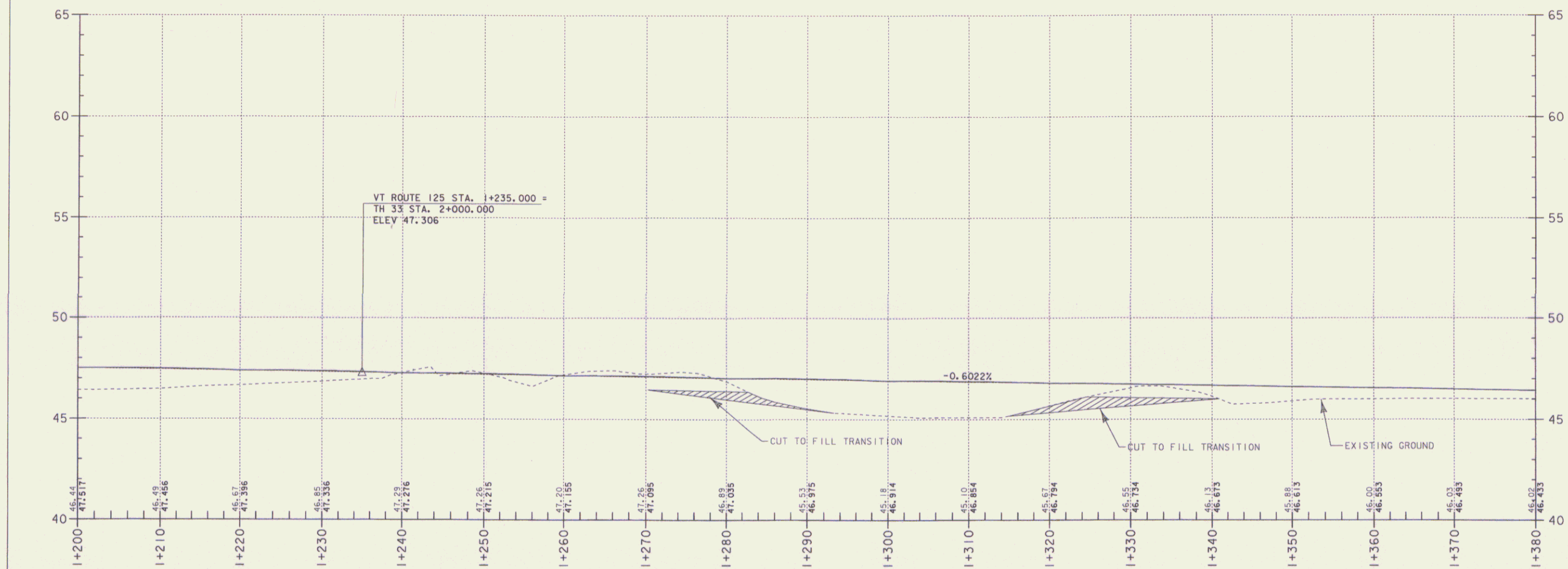
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83(92)



THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE ALIGNMENT. THE GRADES SHOWN TO THE NEAREST THOUSANDTH ARE THE PROPOSED PROFILE GRADES FOR THE NEW ALIGNMENT.

PROJECT:	CORNWALL	PROJECT NO.:	BRS 0172(6)
DESIGN FILE NAME:	****FILENAME***	PLOT DATE:	03-JUN-2008
IPARM FILE NAME:		SURVEY DATE:	1996&1999
SURVEYED BY:	VTRANS & VT SURVEY	DRAWN BY:	ERIK ATKINS
SQUAD LEADER:	MARTHA EVANS-MONGEON	ROW SHEET:	10 OF 30

VT 125 Profile

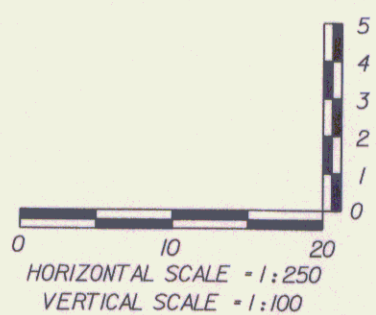
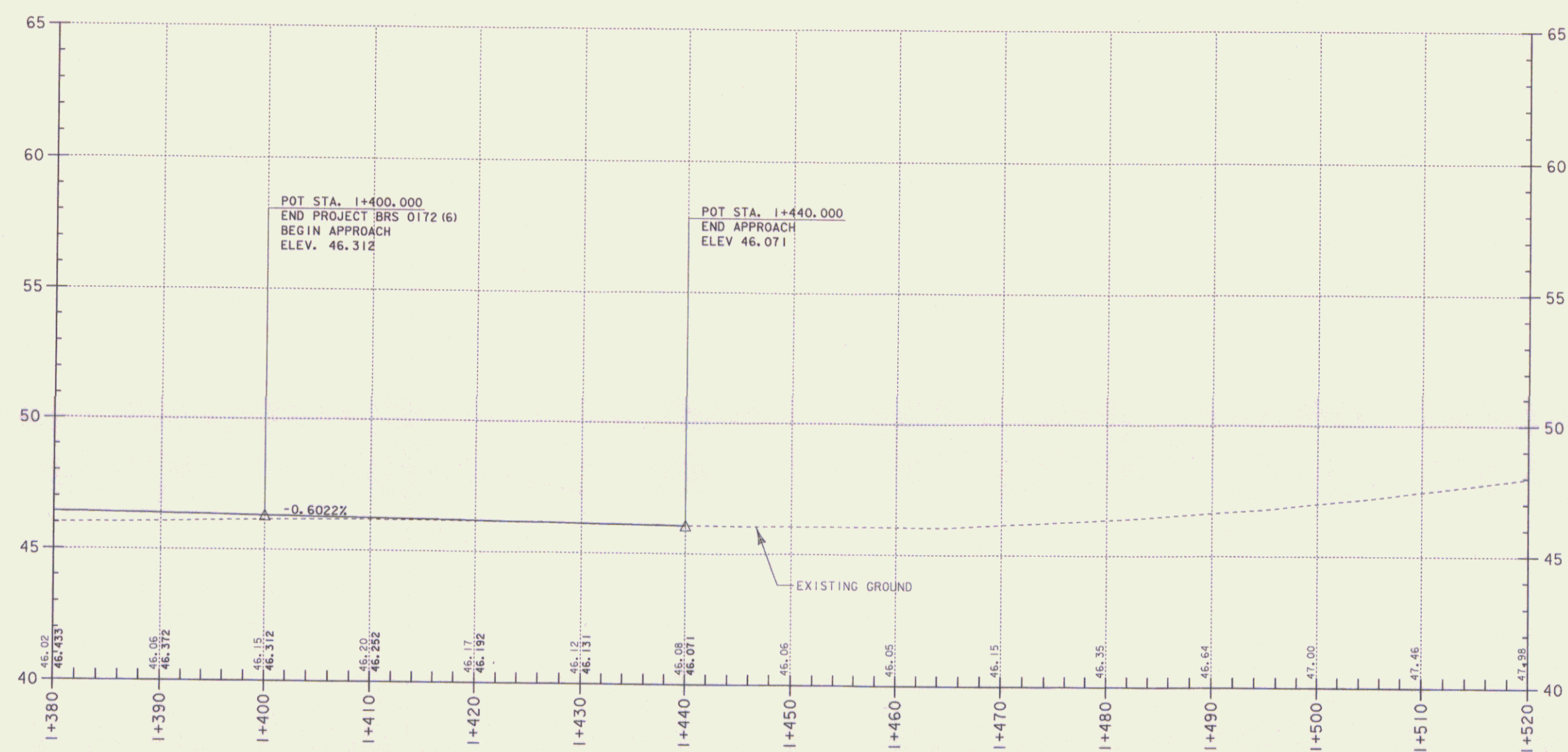


DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83(92)

THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST THOUSANDTH ARE THE PROPOSED PROFILE GRADES FOR THE NEW ALIGNMENT.

PROJECT: CORNWALL	PROJECT NO.: BRS 0172(6)
DESIGN FILE NAME: ****FILENAME***	PLOT DATE: 03-JUN-2008
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 11 OF 30

VT 125 Profile

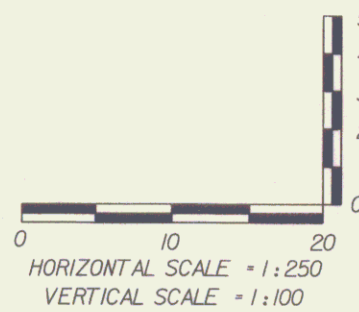
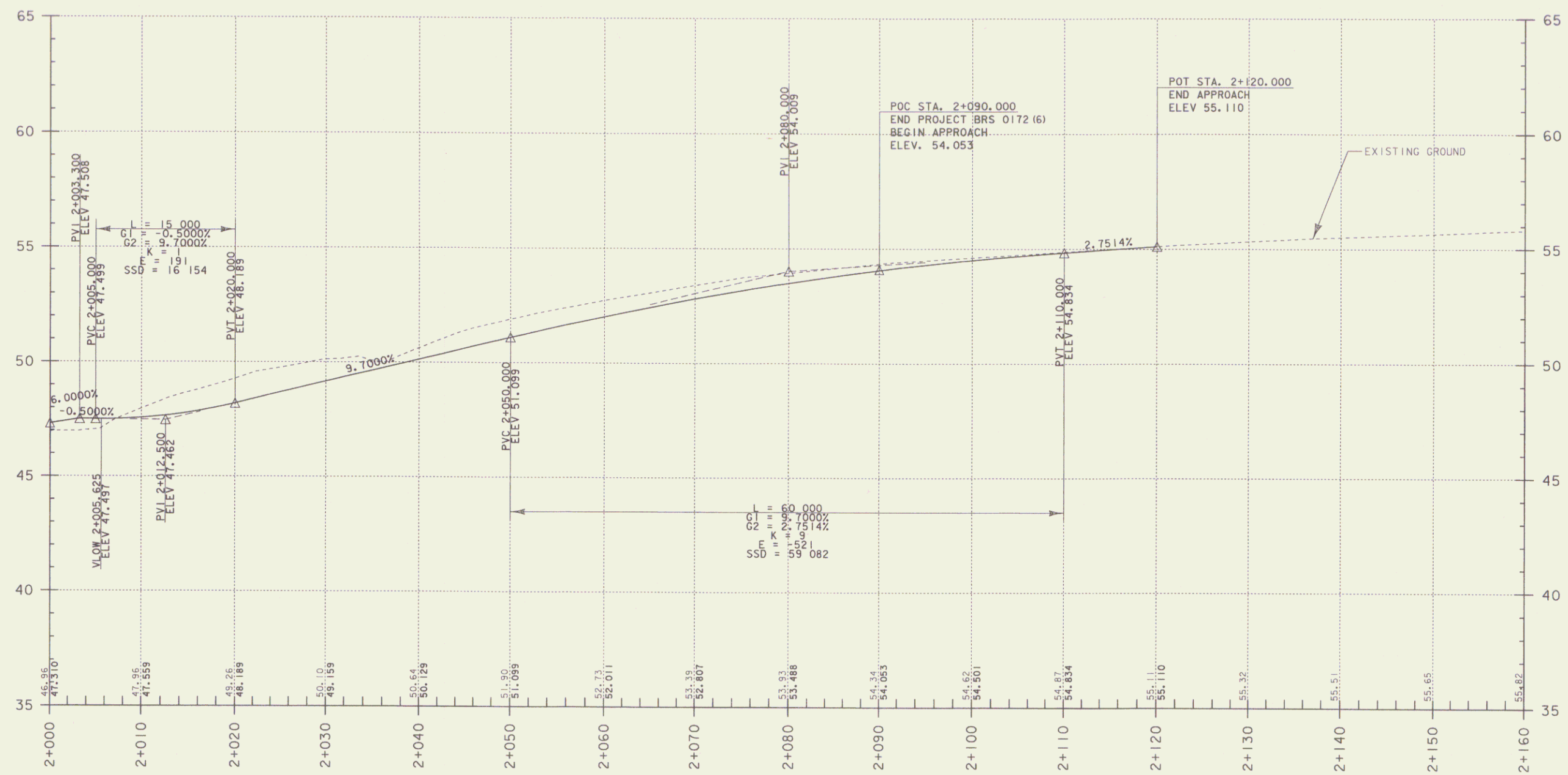


DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83(92)

THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST THOUSANDTH ARE THE PROPOSED PROFILE GRADES FOR THE NEW ALIGNMENT.

PROJECT: CORNWALL	PROJECT NO.: BRS 0172(6)
DESIGN FILE NAME: *****	PLOT DATE: 03-JUN-2008
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 12 OF 30

TH33 Profile

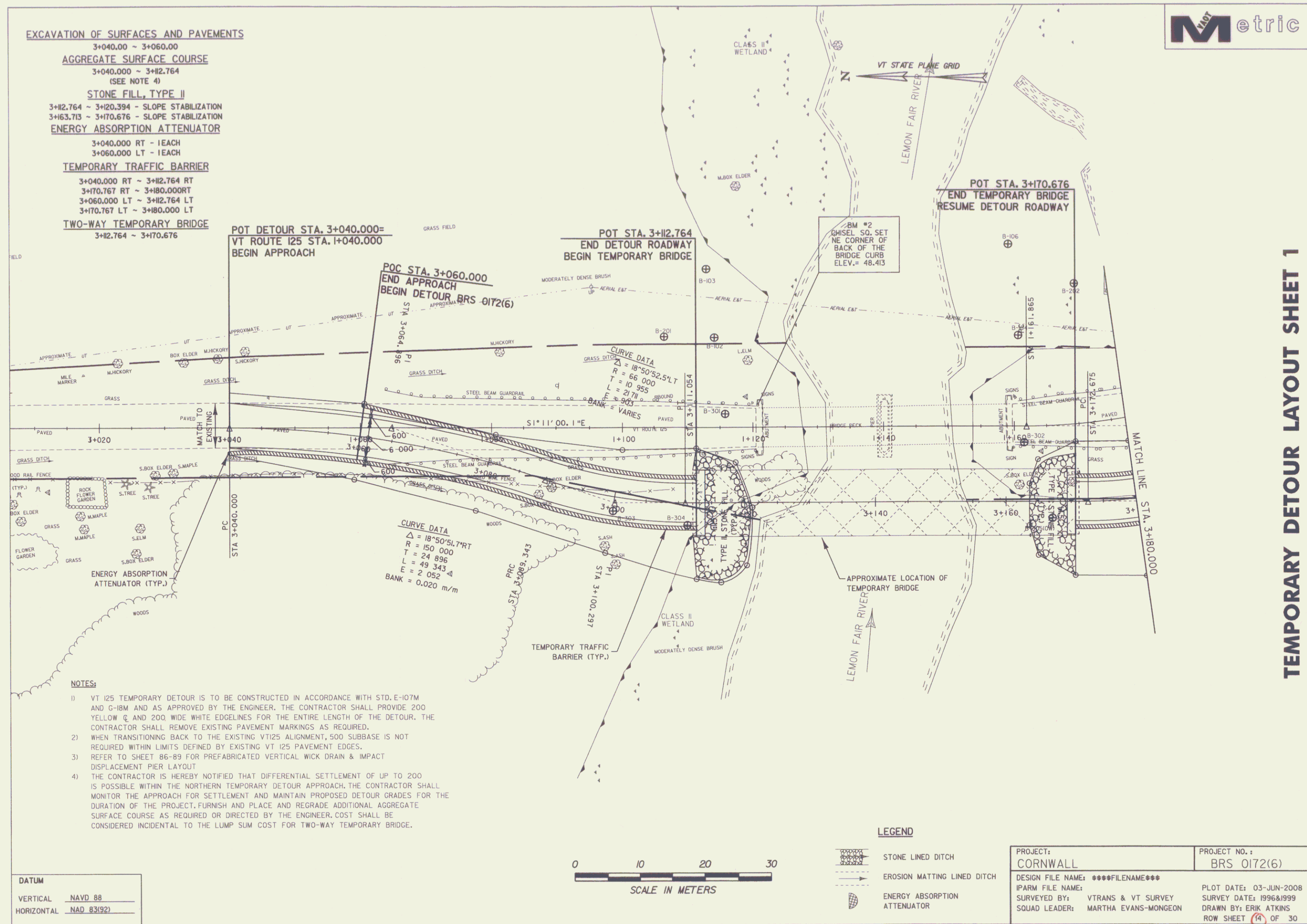


DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83(192)

THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST THOUSANDTH ARE THE PROPOSED PROFILE GRADES FOR THE NEW ALIGNMENT.

PROJECT: CORNWALL	PROJECT NO.: BRS 0172(6)
DESIGN FILE NAME: ****FILENAME***	PLOT DATE: 03-JUN-2008
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIC ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 13 OF 30

- EXCAVATION OF SURFACES AND PAVEMENTS**
 3+040.00 ~ 3+060.00
- AGGREGATE SURFACE COURSE**
 3+040.000 ~ 3+112.764
 (SEE NOTE 4)
- STONE FILL, TYPE II**
 3+112.764 ~ 3+120.394 - SLOPE STABILIZATION
 3+112.764 ~ 3+170.676 - SLOPE STABILIZATION
- ENERGY ABSORPTION ATTENUATOR**
 3+040.000 RT - 1 EACH
 3+060.000 LT - 1 EACH
- TEMPORARY TRAFFIC BARRIER**
 3+040.000 RT ~ 3+112.764 RT
 3+170.676 RT ~ 3+180.000 RT
 3+060.000 LT ~ 3+112.764 LT
 3+170.676 LT ~ 3+180.000 LT
- TWO-WAY TEMPORARY BRIDGE**
 3+112.764 ~ 3+170.676



NOTES:

- 1) VT 125 TEMPORARY DETOUR IS TO BE CONSTRUCTED IN ACCORDANCE WITH STD. E-107M AND G-16M AND AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE 200 YELLOW C AND 200 WIDE WHITE EDGELINES FOR THE ENTIRE LENGTH OF THE DETOUR. THE CONTRACTOR SHALL REMOVE EXISTING PAVEMENT MARKINGS AS REQUIRED.
- 2) WHEN TRANSITIONING BACK TO THE EXISTING VT125 ALIGNMENT, 500 SUBBASE IS NOT REQUIRED WITHIN LIMITS DEFINED BY EXISTING VT 125 PAVEMENT EDGES.
- 3) REFER TO SHEET 86-89 FOR PREFABRICATED VERTICAL WICK DRAIN & IMPACT DISPLACEMENT PIER LAYOUT
- 4) THE CONTRACTOR IS HEREBY NOTIFIED THAT DIFFERENTIAL SETTLEMENT OF UP TO 200 IS POSSIBLE WITHIN THE NORTHERN TEMPORARY DETOUR APPROACH. THE CONTRACTOR SHALL MONITOR THE APPROACH FOR SETTLEMENT AND MAINTAIN PROPOSED DETOUR GRADES FOR THE DURATION OF THE PROJECT. FURNISH AND PLACE AND REGRADE ADDITIONAL AGGREGATE SURFACE COURSE AS REQUIRED OR DIRECTED BY THE ENGINEER. COST SHALL BE CONSIDERED INCIDENTAL TO THE LUMP SUM COST FOR TWO-WAY TEMPORARY BRIDGE.

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83(92)

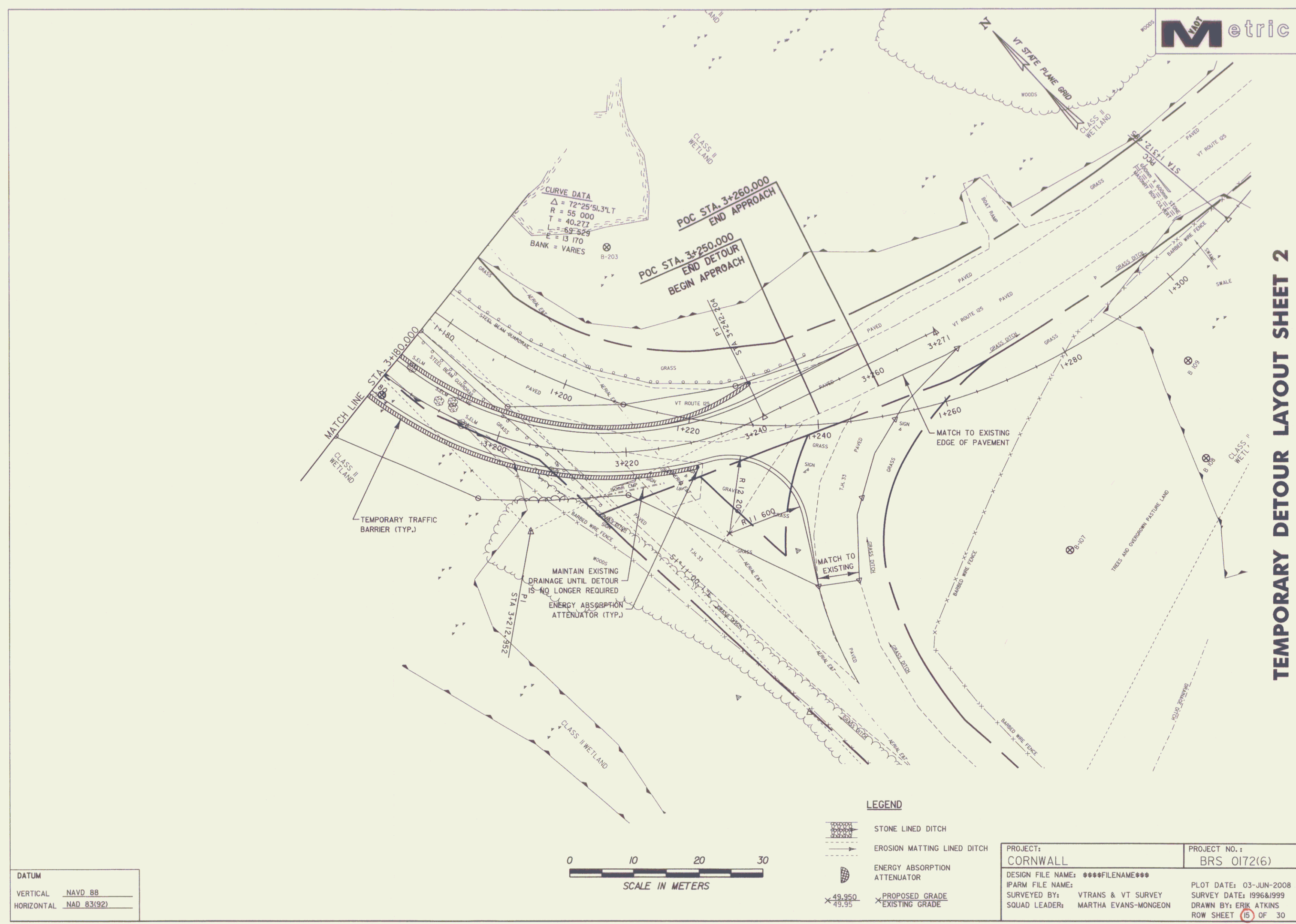


LEGEND

	STONE LINED DITCH
	EROSION MATTING LINED DITCH
	ENERGY ABSORPTION ATTENUATOR

PROJECT: CORNWALL	PROJECT NO.: BRS 0172(6)
DESIGN FILE NAME: *****FILENAME***	PLOT DATE: 03-JUN-2008
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 14 OF 30

TEMPORARY DETOUR LAYOUT SHEET 1



TEMPORARY DETOUR LAYOUT SHEET 2

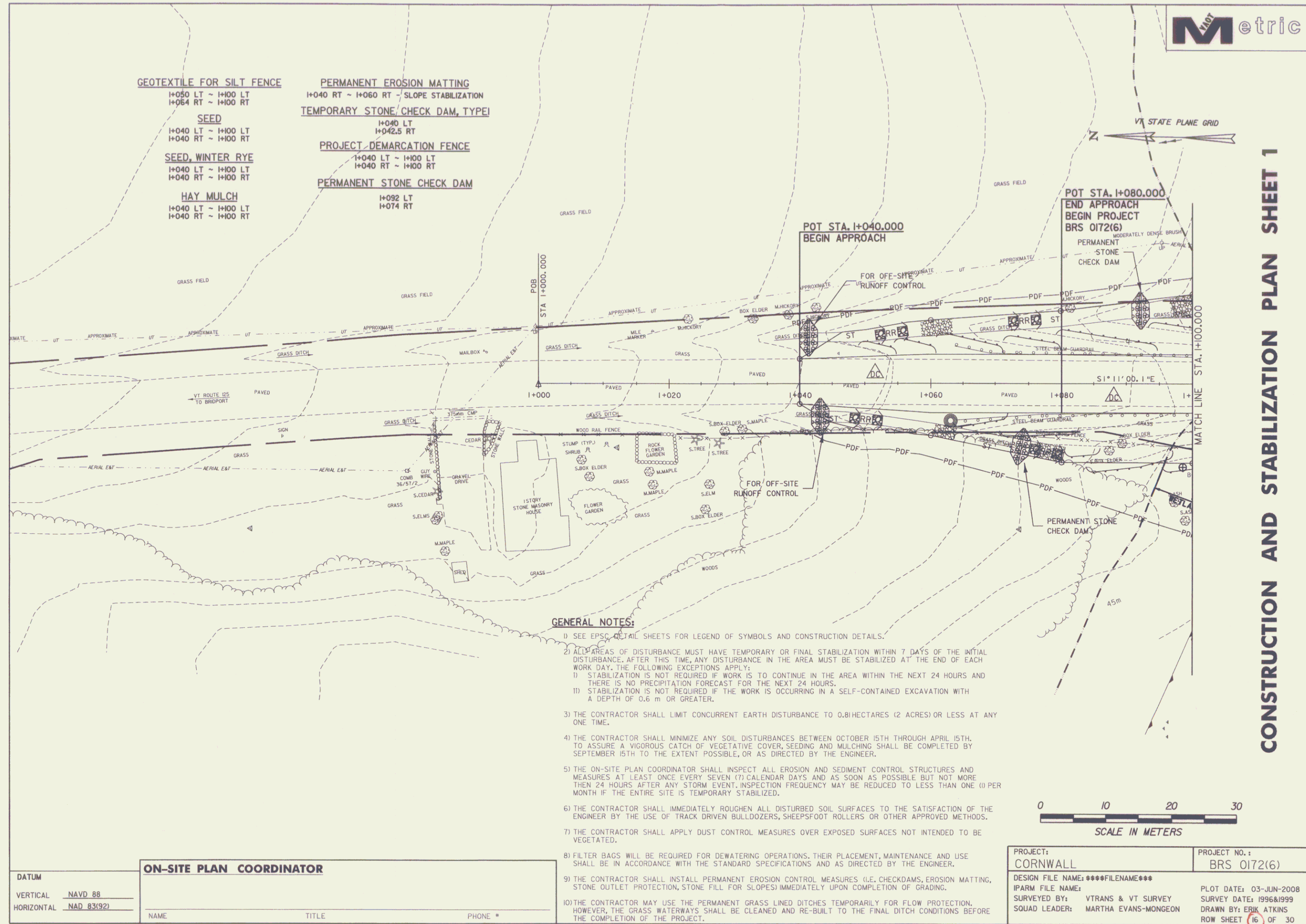
DATUM

VERTICAL	NAV88
HORIZONTAL	NAD 83(92)



- LEGEND**
- STONE LINED DITCH
 - EROSION MATTING LINED DITCH
 - ENERGY ABSORPTION ATTENUATOR
 - PROPOSED GRADE
 - EXISTING GRADE

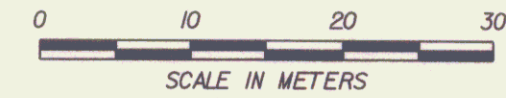
PROJECT: CORNWALL	PROJECT NO.: BRS 0172(6)
DESIGN FILE NAME: *****	PLOT DATE: 03-JUN-2008
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 15 OF 30



CONSTRUCTION AND STABILIZATION PLAN SHEET 1

GENERAL NOTES:

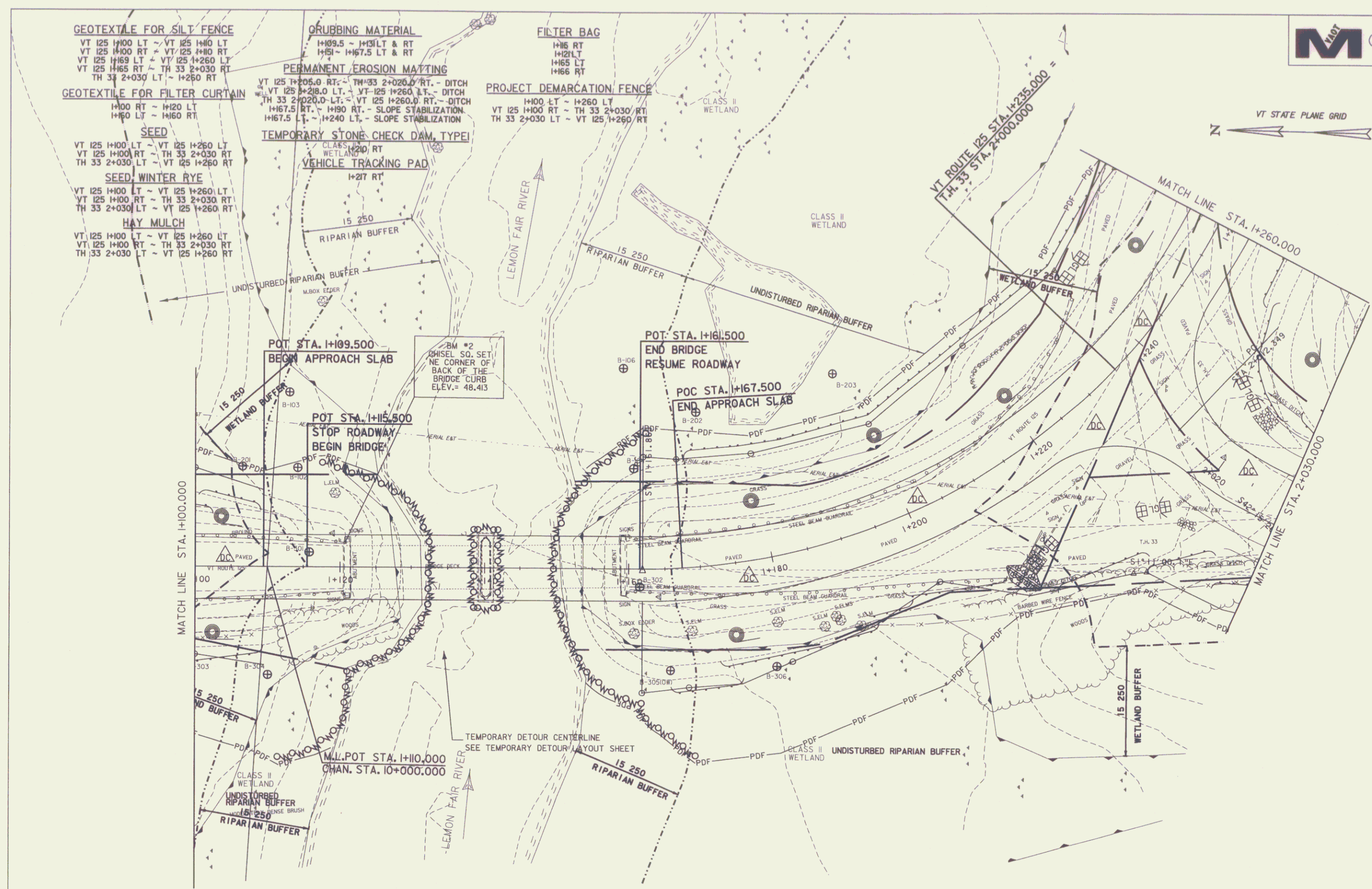
- 1) SEE EPC DETAIL SHEETS FOR LEGEND OF SYMBOLS AND CONSTRUCTION DETAILS.
- 2) ALL AREAS OF DISTURBANCE MUST HAVE TEMPORARY OR FINAL STABILIZATION WITHIN 7 DAYS OF THE INITIAL DISTURBANCE. AFTER THIS TIME, ANY DISTURBANCE IN THE AREA MUST BE STABILIZED AT THE END OF EACH WORK DAY. THE FOLLOWING EXCEPTIONS APPLY:
 - 1) STABILIZATION IS NOT REQUIRED IF WORK IS TO CONTINUE IN THE AREA WITHIN THE NEXT 24 HOURS AND THERE IS NO PRECIPITATION FORECAST FOR THE NEXT 24 HOURS.
 - 1) STABILIZATION IS NOT REQUIRED IF THE WORK IS OCCURRING IN A SELF-CONTAINED EXCAVATION WITH A DEPTH OF 0.6 m OR GREATER.
- 3) THE CONTRACTOR SHALL LIMIT CONCURRENT EARTH DISTURBANCE TO 0.8 HECTARES (2 ACRES) OR LESS AT ANY ONE TIME.
- 4) THE CONTRACTOR SHALL MINIMIZE ANY SOIL DISTURBANCES BETWEEN OCTOBER 15TH THROUGH APRIL 15TH. TO ASSURE A VIGOROUS CATCH OF VEGETATIVE COVER, SEEDING AND MULCHING SHALL BE COMPLETED BY SEPTEMBER 15TH TO THE EXTENT POSSIBLE, OR AS DIRECTED BY THE ENGINEER.
- 5) THE ON-SITE PLAN COORDINATOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL STRUCTURES AND MEASURES AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND AS SOON AS POSSIBLE BUT NOT MORE THAN 24 HOURS AFTER ANY STORM EVENT. INSPECTION FREQUENCY MAY BE REDUCED TO LESS THAN ONE (1) PER MONTH IF THE ENTIRE SITE IS TEMPORARILY STABILIZED.
- 6) THE CONTRACTOR SHALL IMMEDIATELY ROUGHEN ALL DISTURBED SOIL SURFACES TO THE SATISFACTION OF THE ENGINEER BY THE USE OF TRACK DRIVEN BULLDOZERS, SHEEPSFOOT ROLLERS OR OTHER APPROVED METHODS.
- 7) THE CONTRACTOR SHALL APPLY DUST CONTROL MEASURES OVER EXPOSED SURFACES NOT INTENDED TO BE VEGETATED.
- 8) FILTER BAGS WILL BE REQUIRED FOR DEWATERING OPERATIONS. THEIR PLACEMENT, MAINTENANCE AND USE SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- 9) THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL MEASURES (I.E. CHECKDAMS, EROSION MATTING, STONE OUTLET PROTECTION, STONE FILL FOR SLOPES) IMMEDIATELY UPON COMPLETION OF GRADING.
- 10) THE CONTRACTOR MAY USE THE PERMANENT GRASS LINED DITCHES TEMPORARILY FOR FLOW PROTECTION. HOWEVER, THE GRASS WATERWAYS SHALL BE CLEANED AND RE-BUILT TO THE FINAL DITCH CONDITIONS BEFORE THE COMPLETION OF THE PROJECT.



DATUM
 VERTICAL NAVD 88
 HORIZONTAL NAD 83(92)

ON-SITE PLAN COORDINATOR		
NAME	TITLE	PHONE #

PROJECT: CORNWALL	PROJECT NO. 1: BRS 0172(6)
DESIGN FILE NAME: ****FILENAME***	PLOT DATE: 03-JUN-2008
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 16 OF 30



CONSTRUCTION AND STABILIZATION PLAN SHEET 2

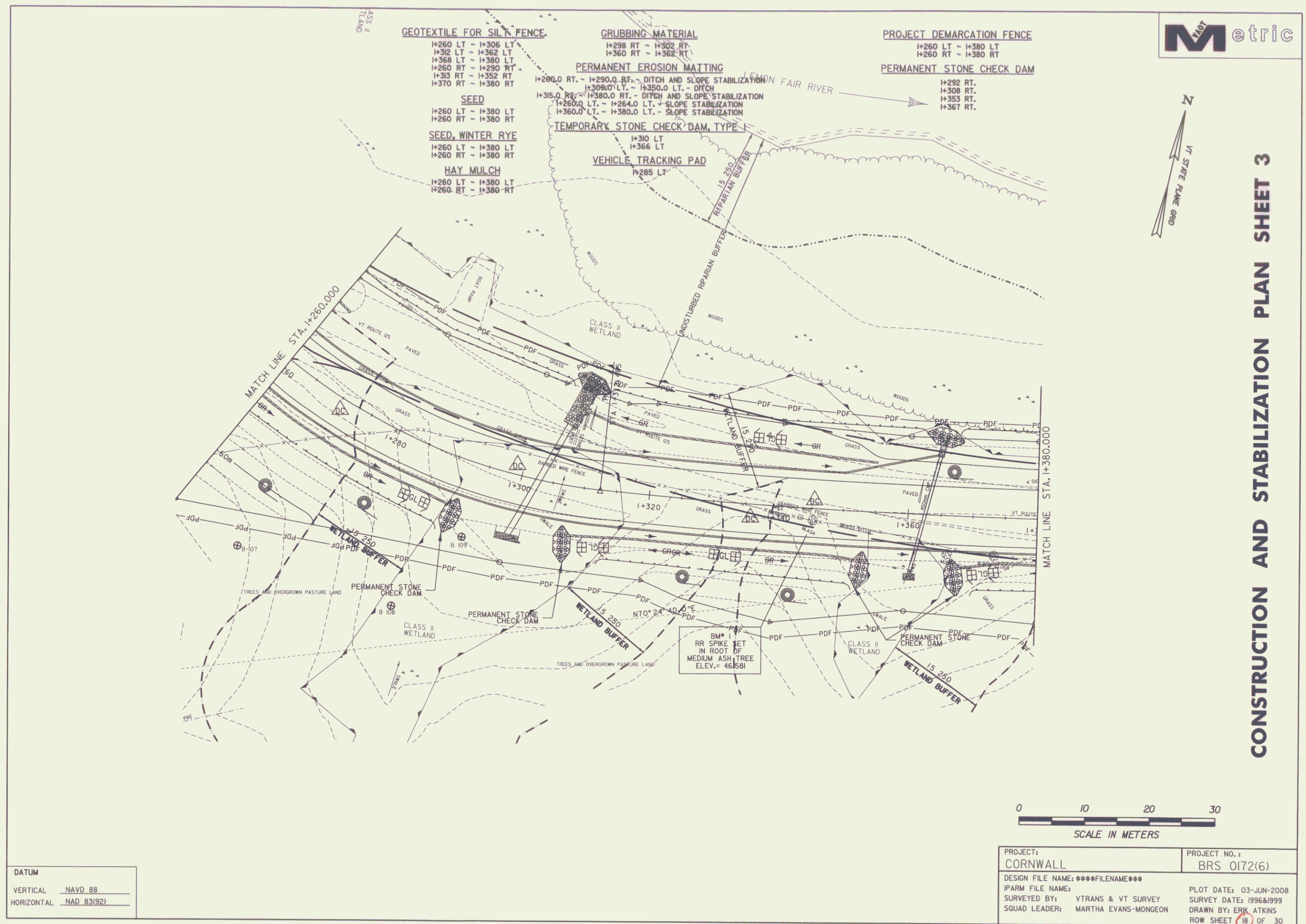


DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83(92)

PROJECT: CORNWALL	PROJECT NO. : BR5 0172(6)
DESIGN FILE NAME: ****FILENAME***	PLOT DATE: 03-JUN-2008
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIC ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 17 OF 30



CONSTRUCTION AND STABILIZATION PLAN SHEET 3



- GEOTEXTILE FOR SILT FENCE**
 1+260 LT ~ 1+306 LT
 1+312 LT ~ 1+362 LT
 1+368 LT ~ 1+380 LT
 1+260 RT ~ 1+290 RT
 1+313 RT ~ 1+352 RT
 1+370 RT ~ 1+380 RT
- SEED**
 1+260 LT ~ 1+380 LT
 1+260 RT ~ 1+380 RT
- SEED, WINTER RYE**
 1+260 LT ~ 1+380 LT
 1+260 RT ~ 1+380 RT
- HAY MULCH**
 1+260 LT ~ 1+380 LT
 1+260 RT ~ 1+380 RT
- GRUBBING MATERIAL**
 1+298 RT ~ 1+302 RT
 1+360 RT ~ 1+362 RT
- PERMANENT EROSION MATTING**
 1+280.0 RT. ~ 1+290.0 RT. - DITCH AND SLOPE STABILIZATION
 1+300.0 LT. ~ 1+350.0 LT. - DITCH
 1+315.0 RT. ~ 1+380.0 RT. - DITCH AND SLOPE STABILIZATION
 1+260.0 LT. ~ 1+264.0 LT. - SLOPE STABILIZATION
 1+360.0 LT. ~ 1+380.0 LT. - SLOPE STABILIZATION
- TEMPORARY STONE CHECK DAM, TYPE I**
 1+310 LT
 1+366 LT
- VEHICLE TRACKING PAD**
 1+285 LT
- PROJECT DEMARCATION FENCE**
 1+260 LT ~ 1+380 LT
 1+260 RT ~ 1+380 RT
- PERMANENT STONE CHECK DAM**
 1+292 RT.
 1+308 RT.
 1+353 RT.
 1+367 RT.

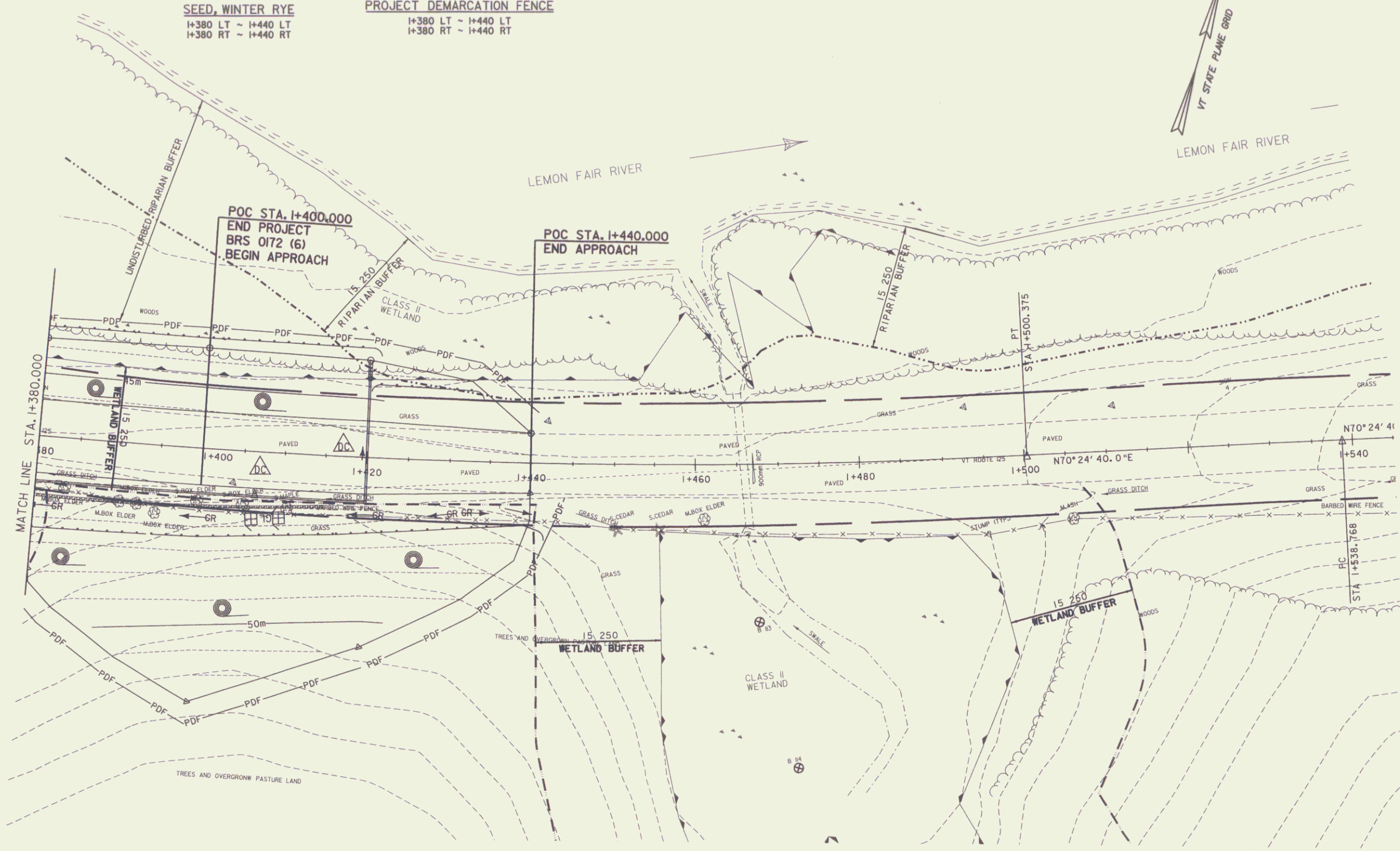
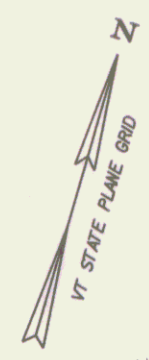
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83(92)



PROJECT: CORNWALL	PROJECT NO.: BRS 0172(6)
DESIGN FILE NAME: ****FILENAME***	PLOT DATE: 03-JUN-2008
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 18 OF 30



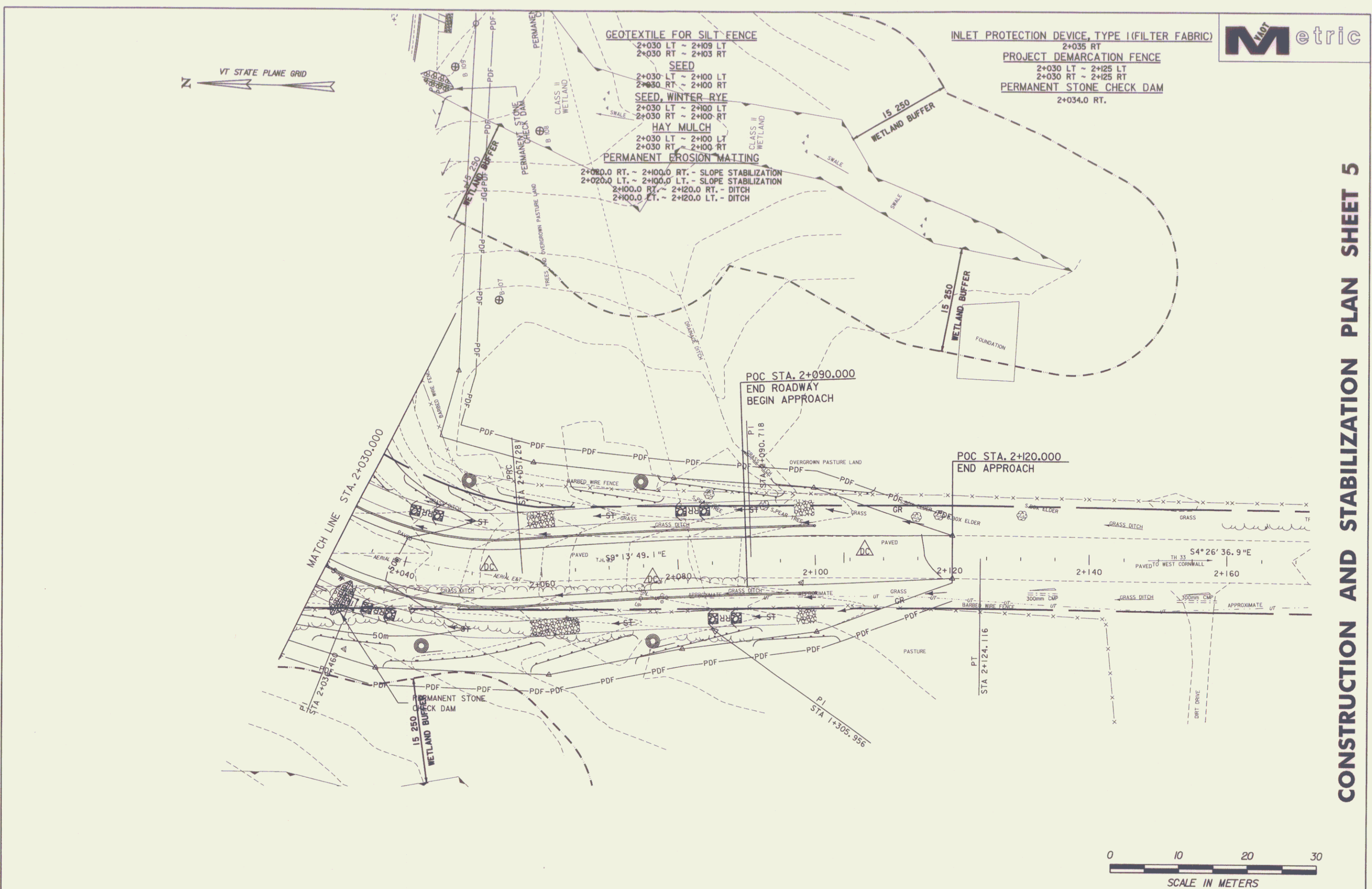
- GEOTEXTILE FOR SILT FENCE**
I+380 LT ~ I+434 LT
I+380 RT ~ I+440 RT
- SEED**
I+380 LT ~ I+440 LT
I+380 RT ~ I+442 RT
- SEED, WINTER RYE**
I+380 LT ~ I+440 LT
I+380 RT ~ I+440 RT
- HAY MULCH**
I+380 LT ~ I+440 LT
I+380 RT ~ I+440 RT
- PERMANENT EROSION MATTING**
I+380.0 RT. ~ I+430.0 RT. - DITCH AND SLOPE STABILIZATION
I+380.0 LT. ~ I+430.0 LT. - SLOPE STABILIZATION
- PROJECT DEMARCATION FENCE**
I+380 LT ~ I+440 LT
I+380 RT ~ I+440 RT



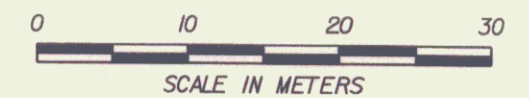
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83(92)

PROJECT: CORNWALL	PROJECT NO. : BRS 0172(6)
DESIGN FILE NAME: ****FILENAME***	PLOT DATE: 03-JUN-2008
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET (19) OF 30

CONSTRUCTION AND STABILIZATION PLAN SHEET 4

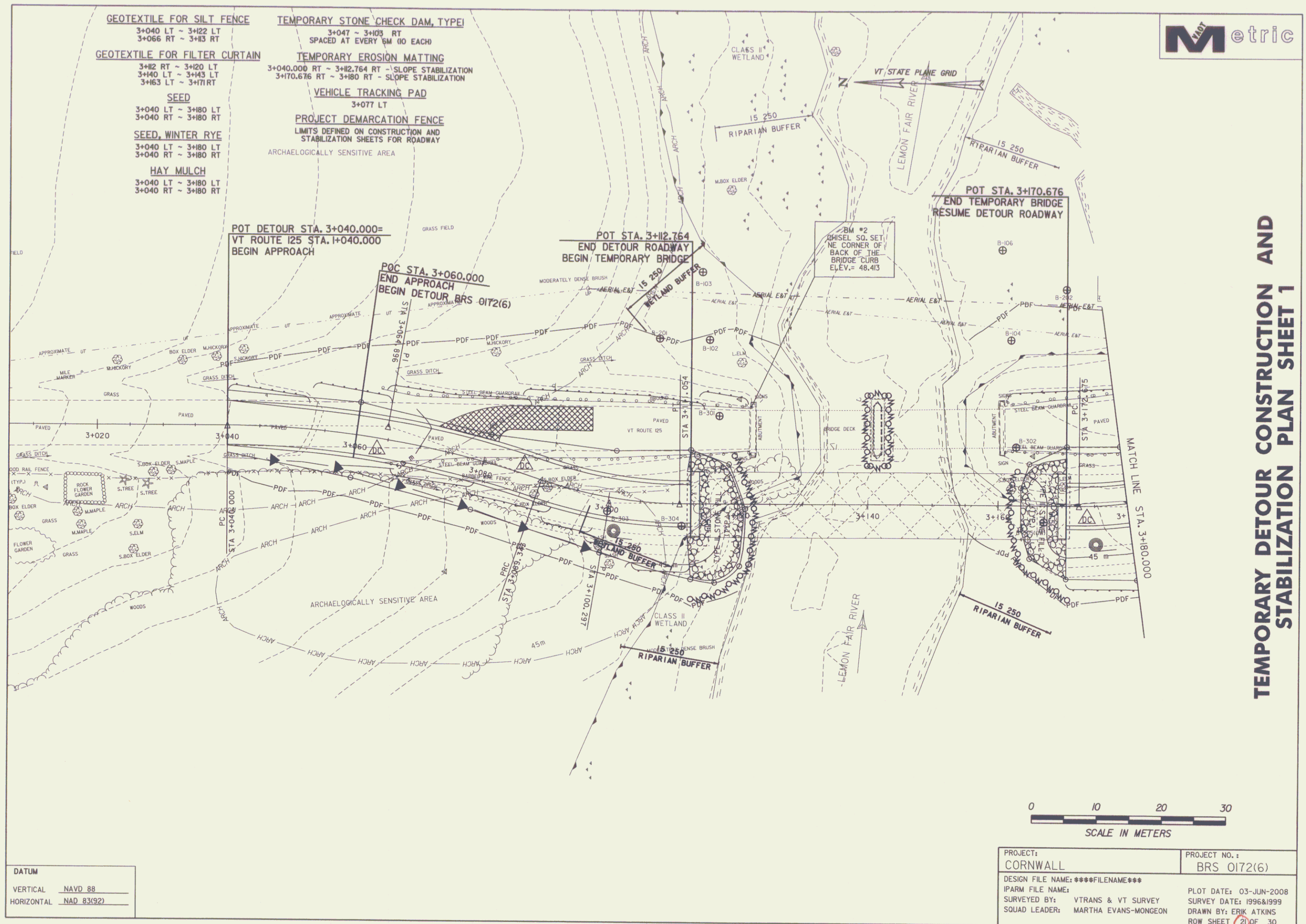


CONSTRUCTION AND STABILIZATION PLAN SHEET 5



DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83(92)

PROJECT: CORNWALL	PROJECT NO.: BRS 0172(6)
DESIGN FILE NAME: *****FILENAME***	PLOT DATE: 03-JUN-2008
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 20 OF 30



TEMPORARY DETOUR CONSTRUCTION AND STABILIZATION PLAN SHEET 1



GEOTEXTILE FOR SILT FENCE
 3+161 LT ~ 3+260 LT
 3+170 RT ~ 3+217 RT

SEED
 3+180 LT ~ 3+260 LT
 3+180 RT ~ 3+260 RT

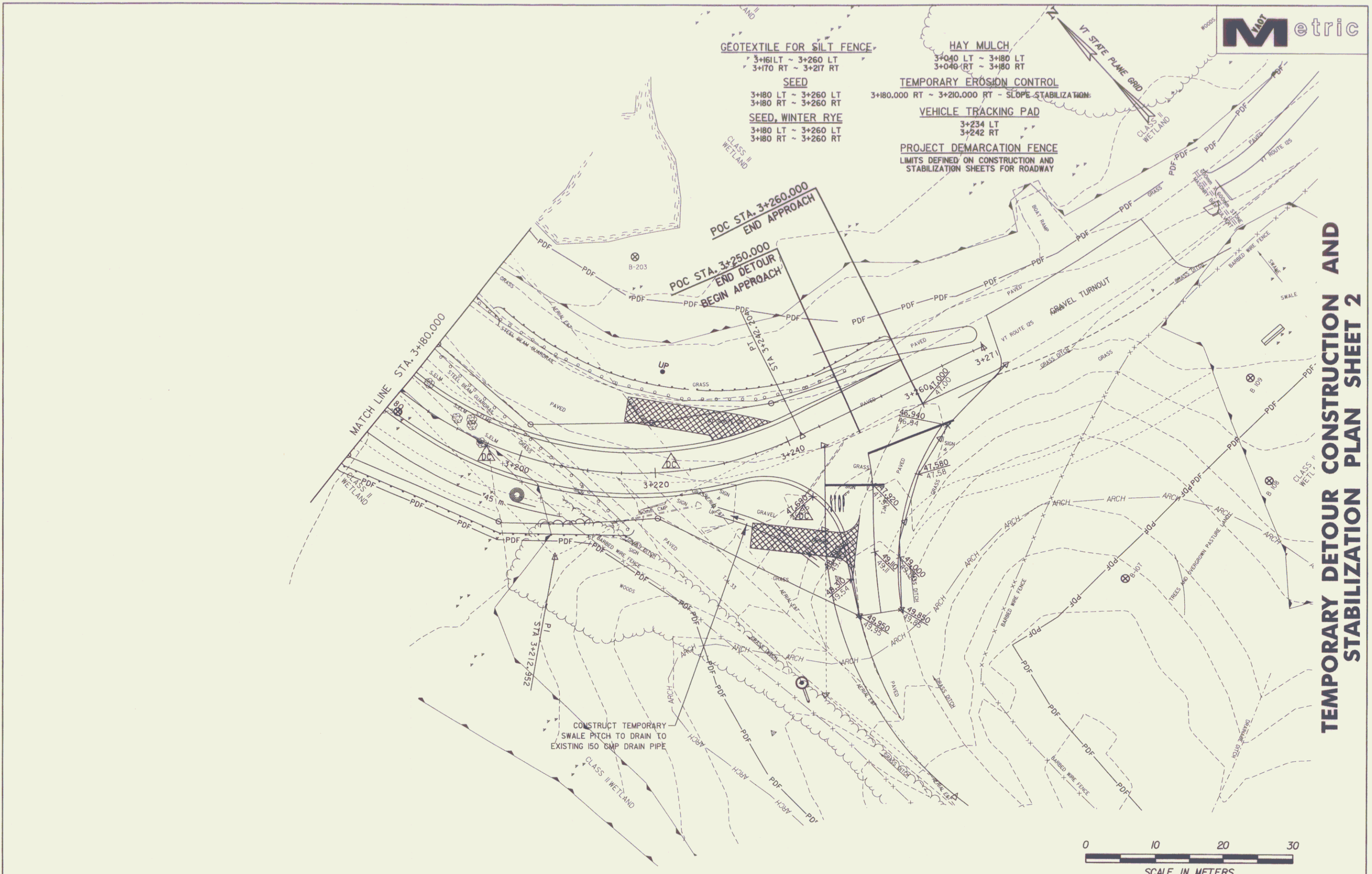
SEED, WINTER RYE
 3+180 LT ~ 3+260 LT
 3+180 RT ~ 3+260 RT

HAY MULCH
 3+040 LT ~ 3+180 LT
 3+040 RT ~ 3+180 RT

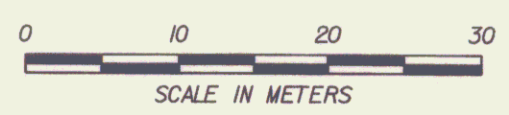
TEMPORARY EROSION CONTROL
 3+180.000 RT ~ 3+210.000 RT - SLOPE STABILIZATION

VEHICLE TRACKING PAD
 3+234 LT
 3+242 RT

PROJECT DEMARCATION FENCE
 LIMITS DEFINED ON CONSTRUCTION AND STABILIZATION SHEETS FOR ROADWAY



TEMPORARY DETOUR CONSTRUCTION AND STABILIZATION PLAN SHEET 2



DATUM
 VERTICAL NAVD 88
 HORIZONTAL NAD 83(92)

PROJECT: CORNWALL	PROJECT NO.: BRS 0172(6)
DESIGN FILE NAME: *****FILENAME****	PLOT DATE: 03-JUN-2008
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 22 OF 30

RIGHT - OF - WAY DETAIL SHEET



TABLE OF PROPERTY ACQUISITION

PARCEL NO.	PROPERTY OWNER	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKE AREA ±	REMAINDER AREA ±	RIGHT			RECORDING DATA				REMARKS
							TYPE	(T/WP)	AREA ±	TITLE	DATE	TOWN / CITY	BOOK	
1A	STATE OF VERMONT AGENCY OF NATURAL RESOURCES DEPARTMENT OF FISH & WILDLIFE	26-27	1+040.000 LT. 1+095.2 LT.	1+139.198 LT. 1+139.7 LT.	440 SM		UTILITY	(P)	319 SM	✓ EO	10/6/2009	CORNWALL	89 412-414	0.10A± 3,434 SF±
1B		26-27	1+040.000 LT.	1+140.800 LT.	766 SM		ALL R.T. & I.			✓				VT 125 HWY. EASE.; 0.18A±
1C		27,30	1+135.898 RT. 1+165.2 RT. 1+176.0 RT. TH 33 2+023.8 RT. TH 33 2+028.8 RT. TH 33 2+045.9 RT.	TH 33 2+124.116 RT. 1+190.4 RT. 1+177.4 RT. TH 33 2+103.0 RT. TH 33 2+082.8 RT. TH 33 2+117.8 RT.	0.17 HA		CONST. DETOUR CONST. SLOPE UTILITY	(T) (T) (T) (T) (P)	55 SM 0.2 SM 200 SM 150 SM 147 SM	✓ ✓ ✓ ✓ ✓				0.42A± INCLUDES PDF & EC; 592 SF± 2 SF± INCLUDES PDF & EC; 2,153 SF± INCLUDES EC; 1,815 SF± 1,582 SF±
1D		27	1+140.800 LT.	1+229.383 RT.	733 SM		ALL R.T. & I.			✓				VT 125 HWY. EASE.; 0.18A±
1E		27,30	1+210.393 RT.	TH 33 2+124.116 LT.	0.12 HA		ALL R.T. & I.			✓				TH 33 HWY. EASE.; 0.30A±
2A	ALDRIDGE, FREDERICK B.	26-27	1+040.000 RT. 1+103.7 RT.	1+141.289 RT. 1+119.2 RT.	0.10 HA	✓	CONST.	(T)	25 SM	WD	10/20/2009	CORNWALL	69 569-570	1,016 SM (0.25 A±) INCLUDES PDF & EC; 269 SF±
2B		26-27	1+040.000 RT.	1+141.289 RT.	770 SM	✓	ALL R.T. & I.							VT 125 HWY. EASE.; 0.19A±

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION	DATE
1	24,27-30	PARCEL NO 3 FOOT, CHANGE OWNERSHIP TO T.D. BANK N.A. COMPLETED BY: MR	10/21/2008 PER C.O. 9543 APPROVED BY: HP
2	24,27-30	PARCEL NO 3 T.D. BANK, N.A. CHANGE OWNERSHIP TO CUSHING FAMILY LLC COMPLETED BY: MT	1/15/2009 APPROVED BY: HP

PLAN LEGEND

— — — — —	EXISTING RIGHT-OF-WAY	○ — ○ — ○	TOE OF SLOPE
— — — — —	TAKING WITH ACCESS	△ — △ — △	TOP OF CUT
— — — — —	TAKING WITHOUT ACCESS	○ — SR (P) — ○	SLOPE RIGHT
- - - - - CZ - - - - -	CLEAR ZONE	— — — — — CONST. (T) — — — — —	CONSTRUCTION RIGHT
— P — L —	PROPERTY LINE	PDF — — — — — PDF	PROJECT DEMARCATION FENCE

- EC - EROSION CONTROL
- (P) - PERMANENT
- (T) - TEMPORARY
- DR. - DRAINAGE RIGHT
- DIT. - DITCHING RIGHT
- CH. - CHANNEL RIGHT
- DRIVE - DRIVE RIGHT
- CUL. - CULVERT RIGHT
- C&T - CLEARING & TRIMMING RIGHT
- SR - SLOPE RIGHT
- UE - UTILITY EASEMENT

APPROVED: HARRY PETROVSKI DATE: 9-26-03
CHIEF PLANS & TITLES

PROJECT NAME: CORNWALL
PROJECT NUMBER: BRS 0172(6)

FILE NAME: r85e042detail.xls
PROJECT LEADER: EVANS-MONGEON
DESIGNED BY: SR
R.O.W. DETAIL SHEET #1

PLOT DATE: 11/4/2009
DRAWN BY: MR
CHECKED BY: EP
SHEET 23 OF 30

**CLEARING AND GRUBBING,
INCLUDING INDIVIDUAL TREES AND STUMPS**
 H+040.00 ~ H+100.00
 H+081.4 LT (M) HICKORY
 H+087.4 RT (S) BOX ELDER
 H+089.3 RT (S) BOX ELDER
 H+098.9 RT S. ASH

COLD PLANING, BITUMINOUS PAVEMENT
 H+040.00 ~ H+060.00

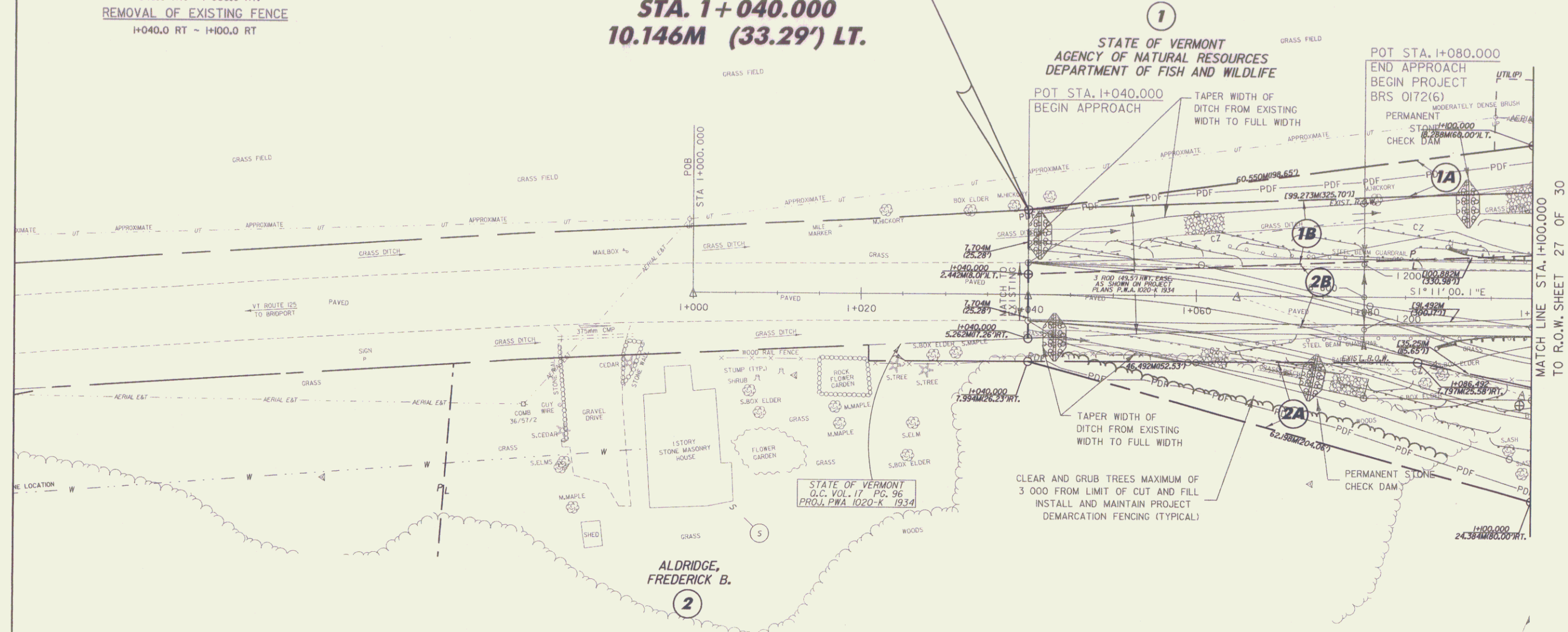
STONE FILL, TYPE I
 H+040.0 LT. ~ H+100.0 LT.
 H+040.0 RT. ~ H+080.0 RT.

REMOVAL OF EXISTING FENCE
 H+040.0 RT ~ H+100.0 RT

MANUFACTURED TERMINAL SECTION, FLARED
 H+088.67 RT. ~ H+100.32 RT. (TRAILING END)
 H+089.89 LT. ~ H+101.54 LT. (TRAILING END)

REMOVAL AND DISPOSAL OF GUARDRAIL
 H+063.6 LT. ~ H+100.0 LT.
 H+064.0 RT. ~ H+100.0 RT.

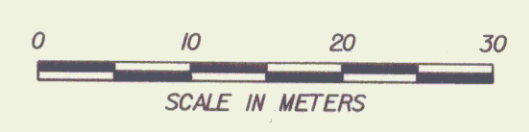
**BEGIN R.O.W. PROJECT
 BRS 0172(6)
 STA. 1+040.000
 10.146M (33.29') LT.**



MATCH LINE STA. 1+100.000
TO R.O.W. SHEET 27 OF 30

ROADWAY LAYOUT SHEET 1

LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES P/L ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

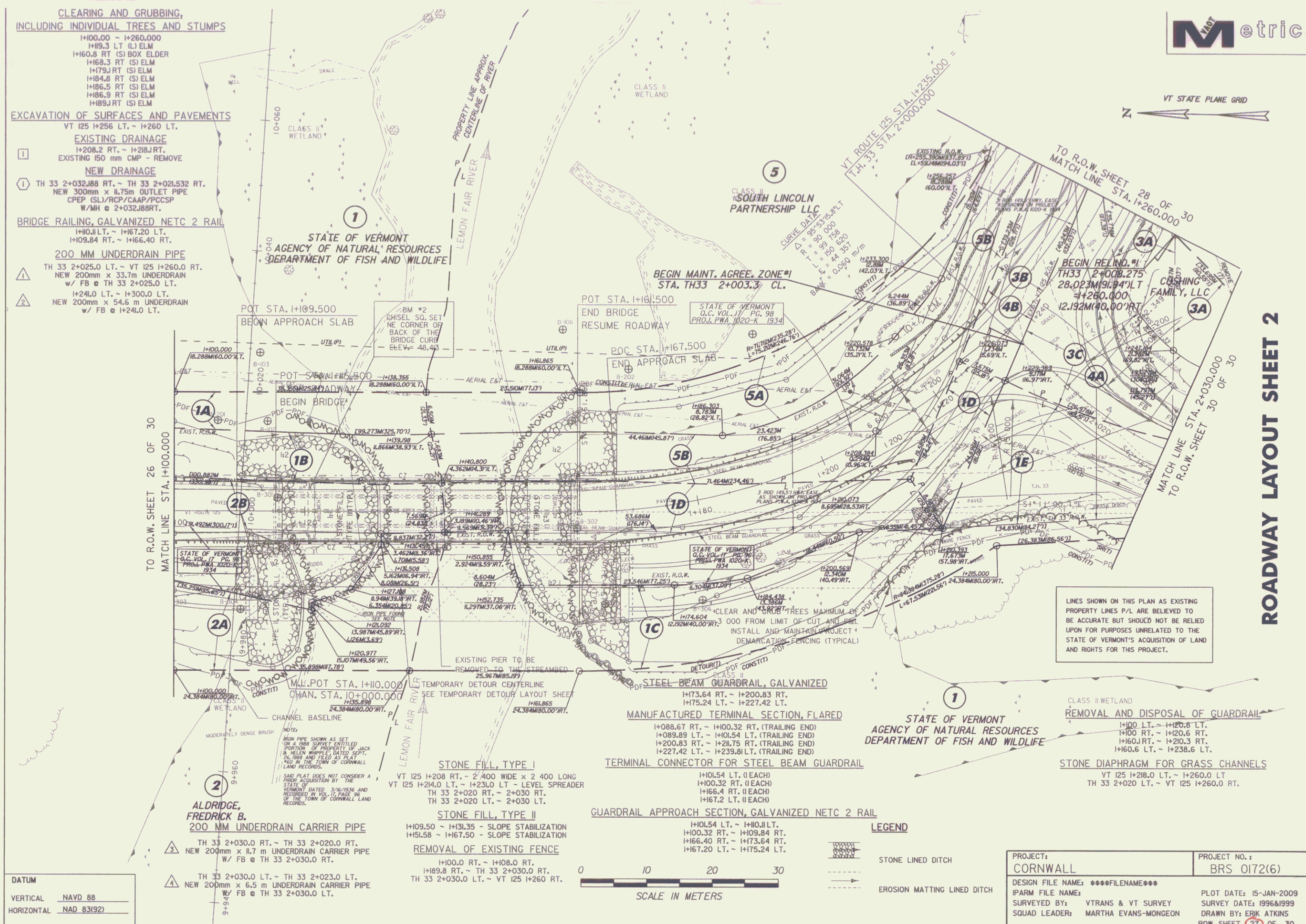


LEGEND

- STONE LINED DITCH
- EROSION MATTING LINED DITCH

DATUM
 VERTICAL NAVD 88
 HORIZONTAL NAD 83(92)

PROJECT: CORNWALL	PROJECT NO. 1: BRS 0172(6)
DESIGN FILE NAME: ****FILENAME***	PLOT DATE: 23-OCT-2008
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 26 OF 30



- CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS**
 1+000.00 ~ 1+260.000
 1+189.3 LT. (L) ELM
 1+160.8 RT. (S) BOX ELDER
 1+168.3 RT. (S) ELM
 1+179.1 RT. (S) ELM
 1+184.8 RT. (S) ELM
 1+186.5 RT. (S) ELM
 1+186.9 RT. (S) ELM
 1+189.1 RT. (S) ELM
- EXCAVATION OF SURFACES AND PAVEMENTS**
 VT 125 1+256 LT. ~ 1+260 LT.
- EXISTING DRAINAGE**
 1+208.2 RT. ~ 1+218.1 RT.
 EXISTING 150 mm CMP - REMOVE
- NEW DRAINAGE**
 ① TH 33 2+032.188 RT. ~ TH 33 2+021.532 RT.
 NEW 300mm x 11.75m OUTLET PIPE
 CPEP (SL)/RCP/CAAP/PCCSP
 W/MH @ 2+032.188 RT.
- BRIDGE RAILING, GALVANIZED NETC 2 RAIL**
 1+101.1 LT. ~ 1+167.20 LT.
 1+109.84 RT. ~ 1+166.40 RT.
- 200 MM UNDERDRAIN PIPE**
 TH 33 2+025.0 LT. ~ VT 125 1+260.0 RT.
 NEW 200mm x 33.7m UNDERDRAIN
 w/ FB @ TH 33 2+025.0 LT.
 1+241.0 LT. ~ 1+300.0 LT.
 NEW 200mm x 54.6 m UNDERDRAIN
 w/ FB @ 1+241.0 LT.

STATE OF VERMONT
 AGENCY OF NATURAL RESOURCES
 DEPARTMENT OF FISH AND WILDLIFE

BEGIN MAINT. AGREE. ZONE #1
 STA. TH33 2+003.3 CL.

LINE SHOWN ON THIS PLAN AS EXISTING
 PROPERTY LINES P/L ARE BELIEVED TO
 BE ACCURATE BUT SHOULD NOT BE RELIED
 UPON FOR PURPOSES UNRELATED TO THE
 STATE OF VERMONT'S ACQUISITION OF LAND
 AND RIGHTS FOR THIS PROJECT.

REMOVAL AND DISPOSAL OF GUARDRAIL
 CLASS II WETLAND
 1+100 LT. ~ 1+120.8 LT.
 1+100 RT. ~ 1+120.6 RT.
 1+160.1 RT. ~ 1+120.3 RT.
 1+160.6 LT. ~ 1+238.6 LT.

STONE DIAPHRAGM FOR GRASS CHANNELS
 VT 125 1+218.0 LT. ~ 1+260.0 RT.
 TH 33 2+020 LT. ~ VT 125 1+260.0 RT.

ALDRIDGE, FREDRICK B.
 200 MM UNDERDRAIN CARRIER PIPE
 TH 33 2+030.0 RT. ~ TH 33 2+020.0 RT.
 NEW 200mm x 11.7 m UNDERDRAIN CARRIER PIPE
 W/ FB @ TH 33 2+030.0 RT.

STONE FILL, TYPE I
 VT 125 1+208 RT. ~ 2' 400 WIDE x 2' 400 LONG
 VT 125 1+241.0 LT. ~ 1+231.0 LT - LEVEL SPREADER
 TH 33 2+020 RT. ~ 2+030 LT.
 TH 33 2+020 LT. ~ 2+030 LT.

STONE FILL, TYPE II
 1+109.50 ~ 1+131.35 - SLOPE STABILIZATION
 1+151.58 ~ 1+167.50 - SLOPE STABILIZATION

REMOVAL OF EXISTING FENCE
 1+100.0 RT. ~ 1+108.0 RT.
 1+189.8 RT. ~ TH 33 2+030.0 RT.
 TH 33 2+030.0 LT. ~ VT 125 1+260 RT.

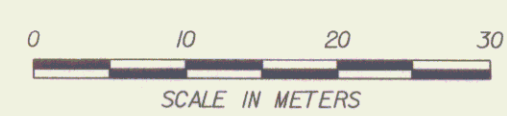
STEEL BEAM GUARDRAIL, GALVANIZED
 1+173.64 RT. ~ 1+200.83 RT.
 1+175.24 LT. ~ 1+227.42 LT.

MANUFACTURED TERMINAL SECTION, FLARED
 1+088.67 RT. ~ 1+100.32 RT. (TRAILING END)
 1+089.89 LT. ~ 1+101.54 LT. (TRAILING END)
 1+200.83 RT. ~ 1+218.75 RT. (TRAILING END)
 1+227.42 LT. ~ 1+239.81 LT. (TRAILING END)

TERMINAL CONNECTOR FOR STEEL BEAM GUARDRAIL
 1+101.54 LT. (EACH)
 1+100.32 RT. (EACH)
 1+166.4 RT. (EACH)
 1+167.2 LT. (EACH)

GUARDRAIL APPROACH SECTION, GALVANIZED NETC 2 RAIL
 1+101.54 LT. ~ 1+101.1 LT.
 1+100.32 RT. ~ 1+109.84 RT.
 1+166.40 RT. ~ 1+173.64 RT.
 1+167.20 LT. ~ 1+175.24 LT.

- LEGEND**
- STONE LINED DITCH
 - EROSION MATTING LINED DITCH



DATUM
 VERTICAL NAVD 88
 HORIZONTAL NAD 83(192)

PROJECT: CORNWALL	PROJECT NO. # BRS 0172(6)
DESIGN FILE NAME: *****FILENAME****	PLOT DATE: 15-JAN-2009
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 27 OF 30

ROADWAY LAYOUT SHEET 2

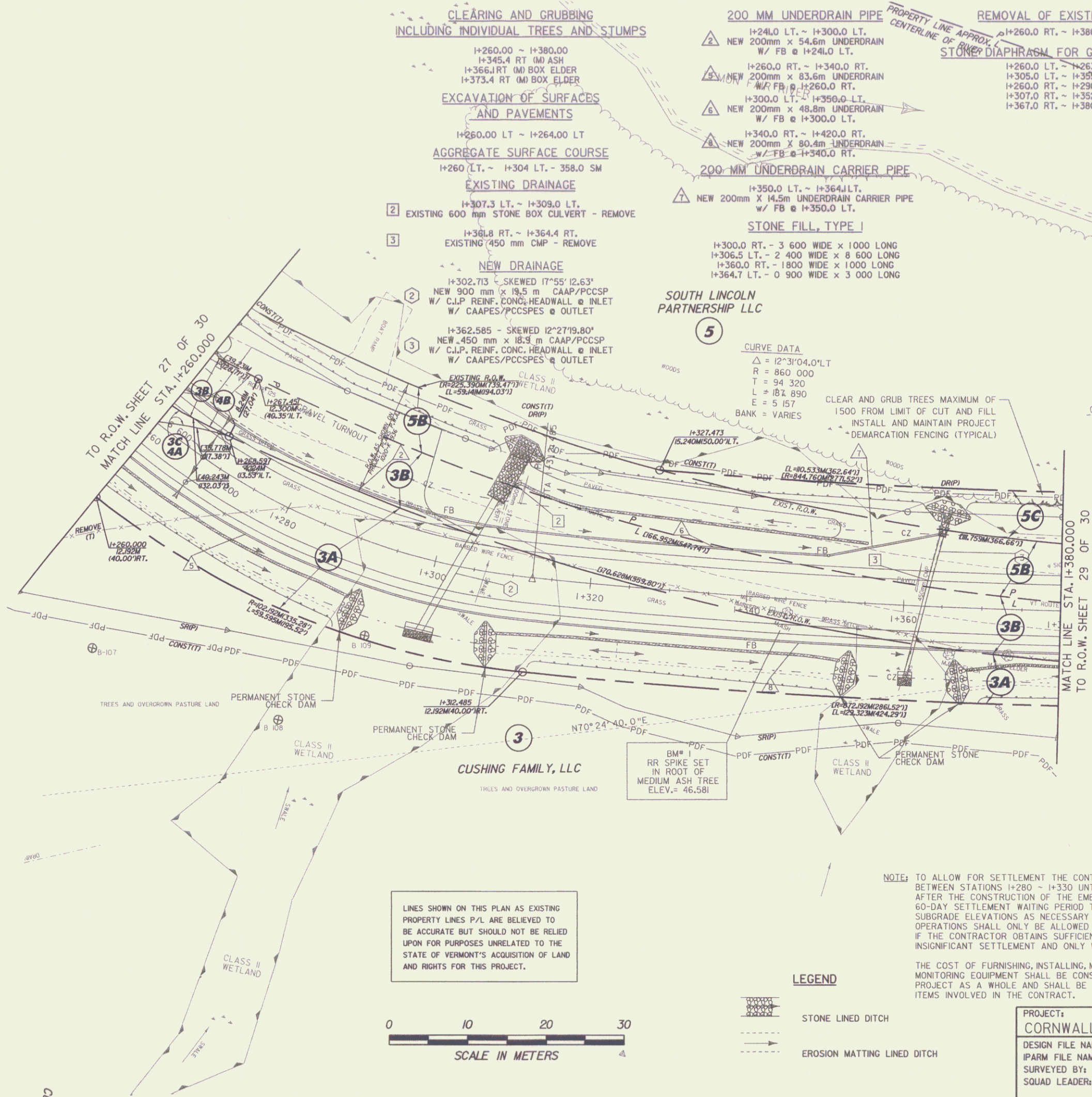


- CLEARING AND GRUBBING INCLUDING INDIVIDUAL TREES AND STUMPS**
 I+260.00 ~ I+380.00
 I+345.4 RT (M) ASH
 I+366.1 RT (M) BOX ELDER
 I+373.4 RT (M) BOX ELDER
- EXCAVATION OF SURFACES AND PAVEMENTS**
 I+260.00 LT ~ I+264.00 LT
- AGGREGATE SURFACE COURSE**
 I+260 LT. ~ I+304 LT. - 358.0 SM
- EXISTING DRAINAGE**
 I+307.3 LT. ~ I+309.0 LT.
 I+381.8 RT. ~ I+364.4 RT.
 EXISTING 600 mm STONE BOX CULVERT - REMOVE
- NEW DRAINAGE**
 I+302.713 - SKEWED 17°55'12.63"
 NEW 900 mm x 18.5 m CAAP/PCCSP
 W/ C.J.P. RENF. CONC. HEADWALL @ INLET
 W/ CAAPES/PCCSPES @ OUTLET
 I+362.585 - SKEWED 12°27'19.80"
 NEW 450 mm x 18.5 m CAAP/PCCSP
 W/ C.J.P. RENF. CONC. HEADWALL @ INLET
 W/ CAAPES/PCCSPES @ OUTLET
- 200 MM UNDERDRAIN PIPE**
 I+241.0 LT. ~ I+300.0 LT.
 NEW 200mm x 54.6m UNDERDRAIN
 W/ FB @ I+241.0 LT.
 I+260.0 RT. ~ I+340.0 RT.
 NEW 200mm x 83.6m UNDERDRAIN
 W/ FB @ I+260.0 RT.
 I+300.0 LT. ~ I+350.0 LT.
 NEW 200mm x 48.8m UNDERDRAIN
 W/ FB @ I+300.0 LT.
 I+340.0 RT. ~ I+420.0 RT.
 NEW 200mm x 80.4m UNDERDRAIN
 W/ FB @ I+340.0 RT.
- 200 MM UNDERDRAIN CARRIER PIPE**
 I+350.0 LT. ~ I+364.1 LT.
 NEW 200mm x 14.5m UNDERDRAIN CARRIER PIPE
 W/ FB @ I+350.0 LT.
- STONE FILL TYPE**
 I+300.0 RT. - 3 600 WIDE x 1000 LONG
 I+306.5 LT. - 2 400 WIDE x 8 600 LONG
 I+360.0 RT. - 1800 WIDE x 1000 LONG
 I+364.7 LT. - 0 900 WIDE x 3 000 LONG
- REMOVAL OF EXISTING FENCE**
 I+260.0 RT. ~ I+380.0 RT.
- STONE DIAPHRAGM FOR GRASS CHANNELS**

SOUTH LINCOLN PARTNERSHIP LLC

CURVE DATA
 $\Delta = 12^{\circ}31'04.01''$
 $R = 860.000$
 $T = 94.320$
 $L = 184.890$
 $E = 5.157$
 BANK = VARIES

CLEAR AND GRUB TREES MAXIMUM OF 1500 FROM LIMIT OF CUT AND FILL
 INSTALL AND MAINTAIN PROJECT DEMARCATION FENCING (TYPICAL)



LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES P/L ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.



- LEGEND**
- STONE LINED DITCH
 - EROSION MATTING LINED DITCH

NOTE: TO ALLOW FOR SETTLEMENT THE CONTRACTOR SHALL NOT PERFORM PAVING OPERATIONS BETWEEN STATIONS I+280 ~ I+330 UNTIL A WAITING PERIOD OF 60 DAYS HAS PASSED AFTER THE CONSTRUCTION OF THE EMBANKMENTS AND SUBBASE. UPON COMPLETION OF THE 60-DAY SETTLEMENT WAITING PERIOD THE CONTRACTOR SHALL VERIFY AND RE-ESTABLISH SUBGRADE ELEVATIONS AS NECESSARY OR AS DIRECTED BY THE RESIDENT ENGINEER. PAVING OPERATIONS SHALL ONLY BE ALLOWED PRIOR TO THE END OF THE 60-DAY WAITING PERIOD IF THE CONTRACTOR OBTAINS SUFFICIENT SETTLEMENT DATA THAT INDICATES INSIGNIFICANT SETTLEMENT AND ONLY WHEN IT IS APPROVED BY THE RESIDENT ENGINEER.

THE COST OF FURNISHING, INSTALLING, MONITORING AND MAINTAINING SETTLEMENT MONITORING EQUIPMENT SHALL BE CONSIDERED SUBSIDIARY WORK PERTAINING TO THE PROJECT AS A WHOLE AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR VARIOUS ITEMS INVOLVED IN THE CONTRACT.

DATUM

VERTICAL	NAVD 88
HORIZONTAL	NAD 83(92)

PROJECT: CORNWALL	PROJECT NO.: BRS 0172(6)
DESIGN FILE NAME: ****FILENAME***	PLOT DATE: 15-JAN-2009
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 28 OF 30

ROADWAY LAYOUT SHEET 3



CLEARING AND GRUBBING INCLUDING INDIVIDUAL TREES AND STUMPS

2+030.00 ~ 2+120.00
 2+084.9 LT (S) PEAR TREE
 2+092.9 LT (S) PEAR TREE

COLD PLANING, BITUMINOUS PAVEMENT

2+100.00 ~ 2+120.00

EXISTING DRAINAGE

2+131.3 RT ~ 2+135.4 RT
 EXISTING 300 mm CMP - RETAIN

NEW DRAINAGE

2+032.188 RT ~ 2+021.532 RT
 NEW 300mm x 11.8m OUTLET PIPE
 CPEP (SL)/RCP/CAAP/PCCSP
 W/MH @ 2+032.188RT.

2+034.716 RT ~ 2+032.188 RT
 NEW 300mm x 2.5m INTAKE PIPE
 CPEP (SL) ONLY

200 MM UNDERDRAIN PIPE

2+100.0 RT. ~ 2+030.0 RT.
 NEW 200mm x 72.2m UNDERDRAIN
 W/ FB @ 2+100.0 RT.

2+100.0 LT. ~ 2+030.0 LT.
 NEW 200mm x 67.5m UNDERDRAIN
 W/ FB @ 2+100.0 LT.

STONE FILL, TYPE I

2+030 RT. ~ 2+100 RT.
 2+030 LT. ~ 2+100 LT.

REMOVAL OF EXISTING FENCE

2+030 RT. ~ 2+124.1 RT.
 2+030 LT. ~ 2+124.1 LT.

CUSHING FAMILY, LLC

CURVE DATA

$\Delta = 51^{\circ}29'15.61''$
 $R = 50.000$
 $T = 24.110$
 $L = 44.931$
 $E = 5.510$
 $BANK = 0.020$ m/m

POC STA. 2+090.000
 END ROADWAY
 BEGIN APPROACH

TAPER WIDTH OF
 DITCH FROM EXISTING
 WIDTH TO FULL WIDTH

TO R.O.W. SHEET 27 OF 30
 MATCH LINE STA. 2+030.000

END MAINT-AGREE. ZONE #1
 STA. TH33 = 2+031.3 CL
 LENGTH=28.0M(92')

POC STA. 2+120.000
 END APPROACH

TOWN OF CORNWALL
 HWY EASE

CLASS II WETLAND

PERMANENT STONE CHECK DAM
 UTILITY POLE AND AERIAL WIRES BY OTHERS

EXISTING UTILITY POLE AND GUY POLE TO BE RELOCATED BY OTHERS

STATE OF VERMONT
 AGENCY OF NATURAL RESOURCES
 DEPARTMENT OF FISH AND WILDLIFE

UTILITY POLE, AERIAL WIRES AND CONNECTION TO UNDERGROUND CONDUIT BY OTHERS

END RELINQUISHMENT #1
 TH33 2+124.16
 12.192M(40.00') RT

N/A
 FOOTE,
 PETER V.

LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES P/L ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

LEGEND

- STONE LINED DITCH
- EROSION MATTING LINED DITCH



DATUM
 VERTICAL NAVD 88
 HORIZONTAL NAD 83(92)

PROJECT: CORNWALL	PROJECT NO. 1: BRS 0172(6)
DESIGN FILE NAME: ****FILENAME***	PLOT DATE: 15-JAN-2009
IPARM FILE NAME:	SURVEY DATE: 1996&1999
SURVEYED BY: VTRANS & VT SURVEY	DRAWN BY: ERIK ATKINS
SQUAD LEADER: MARTHA EVANS-MONGEON	ROW SHEET 30 OF 30

ROADWAY LAYOUT SHEET 5