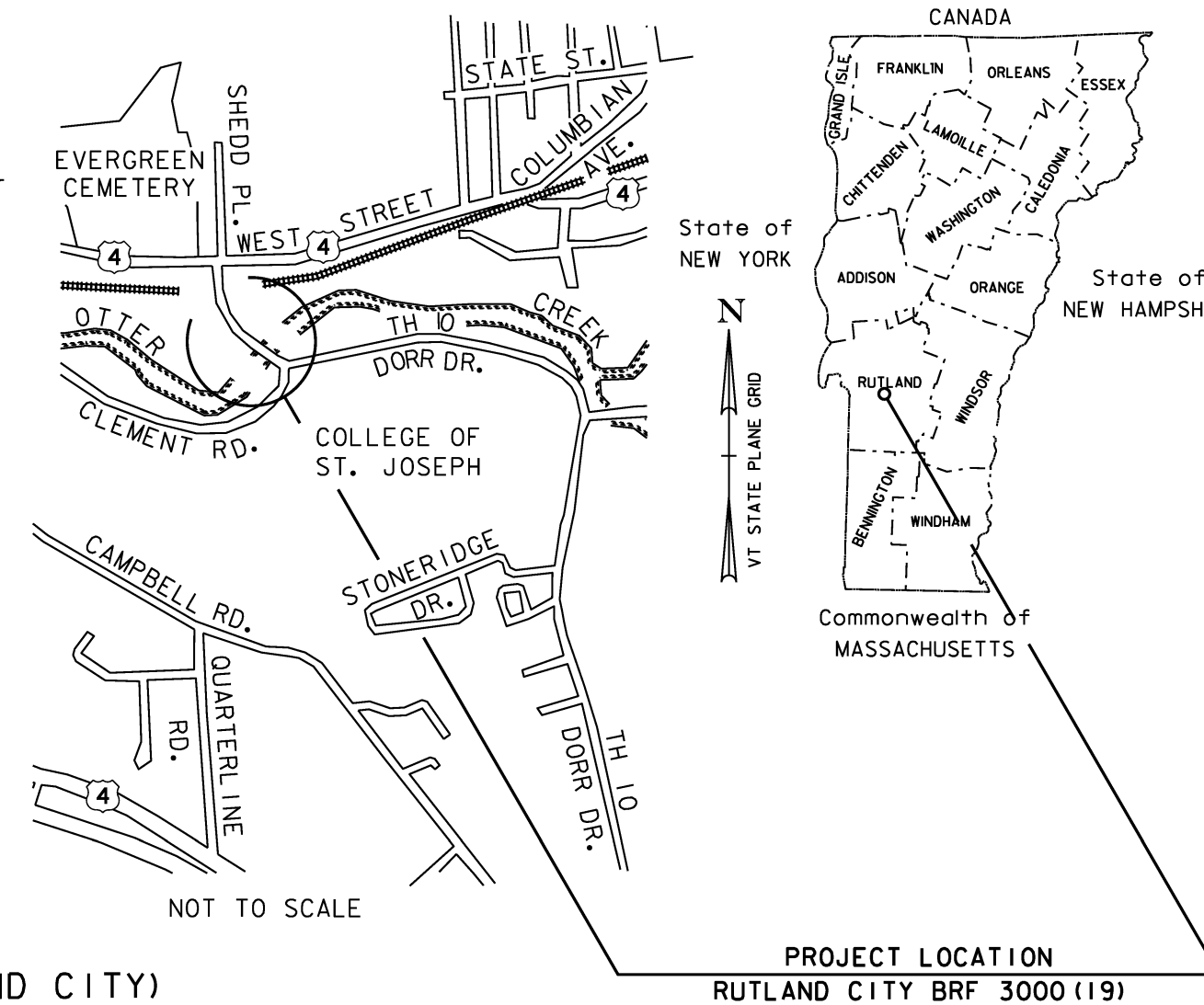


STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT BRIDGE PROJECT CITY OF RUTLAND COUNTY OF RUTLAND



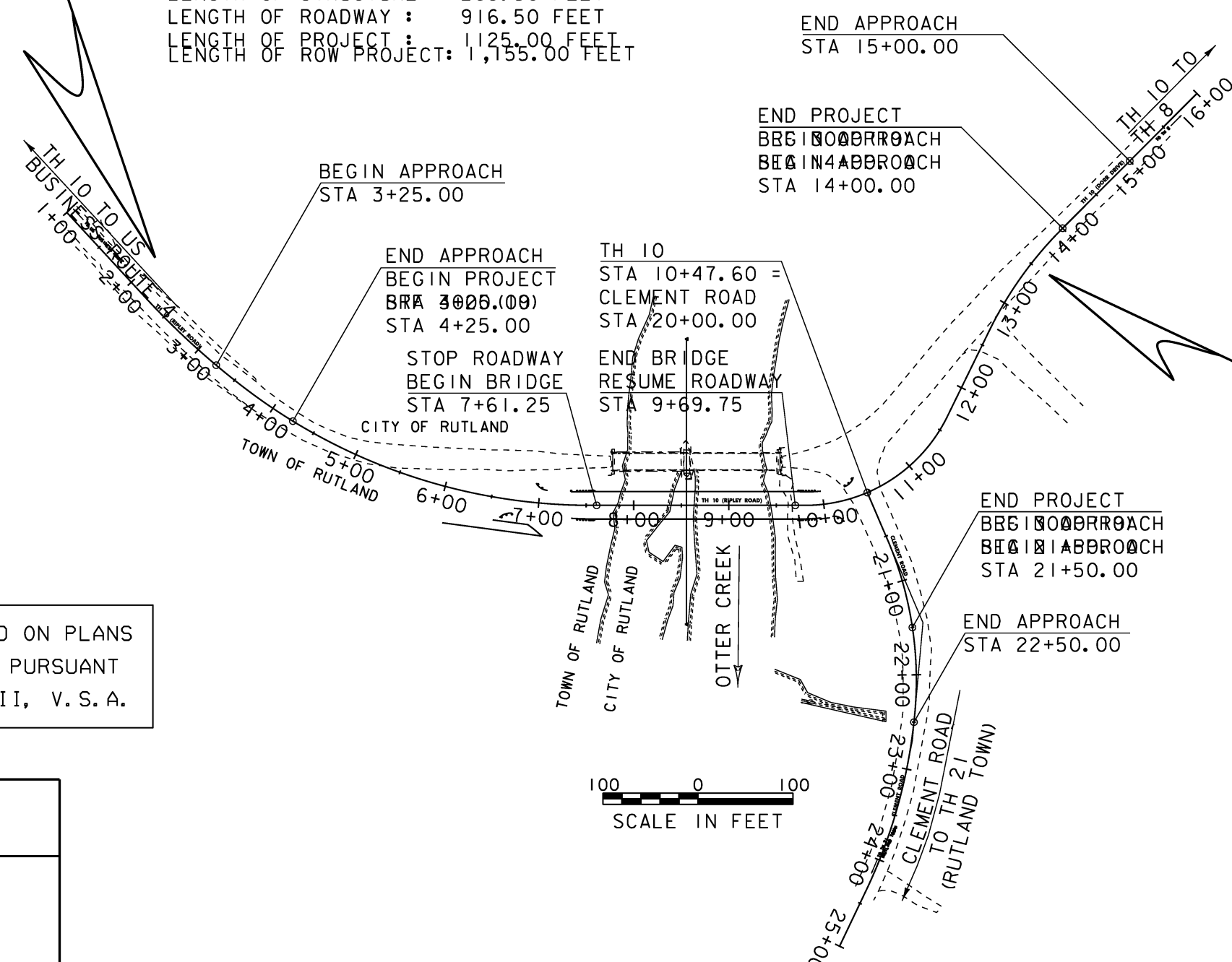
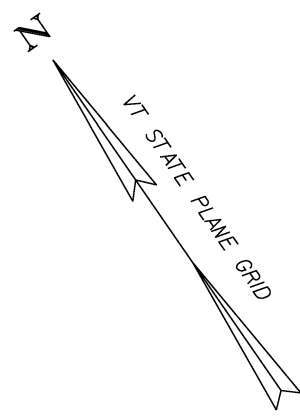
ROW PLANS

ROUTE NO : TH 10 (RIPLEY ROAD) (MAJOR COLLECTOR) BRIDGE NO : 17 (RUTLAND CITY)
 BEGIN ROW PROJECT
 BRF 3000 (19)
 36.00' LT.

PROJECT LOCATION: LOCATED IN THE COUNTY OF RUTLAND, CITY OF RUTLAND, TH 10 (RIPLEY ROAD) OVER THE OTTER CREEK, APPROXIMATELY 500 FEET SOUTH OF THE JUNCTION OF US BUSINESS ROUTE 4 (WEST STREET) AND TH 10 (RIPLEY ROAD) AND EXTENDING ALONG TH 10 APPROXIMATELY 975 FEET TO THE END.

PROJECT DESCRIPTION: CONSTRUCTION OF NEW STRUCTURE, EMBANKMENTS, AND SIDEWALK ON A NEW ALIGNMENT, RECONSTRUCTION OF APPROACHES AND DEMOLITION OF EXISTING STRUCTURE AND OTHER HIGHWAY RELATED ITEMS.

LENGTH OF STRUCTURE : 208.50 FEET
 LENGTH OF ROADWAY : 916.50 FEET
 LENGTH OF PROJECT : 1,125.00 FEET
 LENGTH OF ROW PROJECT : 1,155.00 FEET



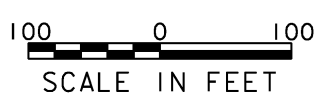
END ROW PROJECT
 BRF 3000 (19)
 STA. 13+53.00
 22.10' RT.

PLANS PREPARED BY

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	

ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19 SECTION IIII, V. S. A.

SURVEYED BY :
 SURVEYED DATE :
 DATUM
 VERTICAL
 HORIZONTAL



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 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

081096

APPROVED DATE 11-29-12
Director of Program Development

APPROVED ROBERT M. WHITE DATE 11-29-12
Chief of Right of Way

RUTLAND CITY
BRF 3000 (19)
 ROW SHEET 1 OF 20 SHEETS

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)/(P)	AREA ±	TITLE	DATE	TOWN / CITY	BOOK	
1	S.J. WILK PROPERTY, LLC	3	TH 10 2+63.28 LT TH 10 1+98.00 LT TH 10 3+58.00 LT TH 10 4+03.00 LT	TH 10 4+45.74 LT TH 10 4+65.00 LT TH 10 4+63.00 LT	1,854 SF		UE CONST. INSTALL & MAINTAIN	(P) (T) (P)	0.11 A 1,308 SF	WD	09/10/13	RUTLAND CITY	627 542-543	4,946 S.F.± INCLUDES EC, BF & PDF GUY WIRE & ANCHOR
2	MARIAH GROUP, LLC - LESSOR RUTLAND PLYWOOD CORP. - LESSEE	3, 4	TH 10 4+44.49 RT TH 10 5+22.00 RT TH 10 5+55.00 RT TH 10 6+32.2 RT TH 10 7+06.00 RT TH 10 7+47.00 RT	TH 10 7+86.44 LT TH 10 6+01 RT TH 10 7+72.00 RT			HIGHWAY CONST. UE DRIVE CONST. INSTALL & MAINTAIN	(P) (T) (P) (T) (T) (P)	0.29 A 606 SF 0.12 A	WD				12,810 S.F.± INCLUDES EC, BF & PDF 5,360 S.F.± INCLUDES EC, BF & PDF GUY WIRE & ANCHOR
3	PARKER, TIMOTHY J.	4, 5	TH 10 10+31.00 LT	TH 10 11+30.00 LT			UE	(P)	863 SF	WDOE	09/30/13	RUTLAND CITY	628 308-309	
4A	COLLEGE OF ST. JOSEPH	4, 6	TH 10 9+38.56 LT TH 10 9+49.00 RT TH 10 10+18.00 RT TH 141 20+66.00 RT	TH 10 10+27.90 RT TH 10 10+31.00 RT TH 10 10+31.00 RT	0.13 A		UE CONST. INSTALL & MAINTAIN	(P) (T) (P)	3,167 SF 332 SF	WD	06/28/13	RUTLAND CITY	625 375- 377	5,660 S.F.± INCLUDES EC, BF & PDF GUY WIRE & ANCHOR
4B		4, 5	TH 10 10+78.29 RT TH 10 10+71.00 RT TH 10 10+73.00 RT TH 10 12+16.00 RT TH 10 12+53.20 RT TH 10 12+65.00 RT	TH 10 13+53.11 RT TH 10 12+36.00 RT TH 10 11+80.00 RT TH 10 12+27.00 RT	0.19 A		CONST. SLOPE REMOVE DRIVE CONST.	(T) (T) (T) (T) (T)	823 SF 794 SF					8,308 S.F.± INCLUDES EC, BF & PDF STONE WALL INCLUDES EC, BF & PDF
5	GREEN MOUNTAIN POWER CORPORATION		TH 10 1+98.00 LT	TH 10 13+28.00 RT										UTILITY
6	TELEPHONE OPERATING COMPANY OF VERMONT, LLC		TH 10 1+98.00 LT	TH 10 13+28.00 RT										UTILITY
7	COMCAST OF CONNECTICUT/GEORGIA/ MASSACHUSETTS/NEW HAMPSHIRE/ NEW YORK/NORTH CAROLINA/VERMONT, LLC		TH 10 1+98.00 LT	TH 10 13+28.00 RT										UTILITY
8	CITY OF RUTLAND		TH 10 1+98.00 LT	TH 10 13+28.00 RT										UTILITY

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION	DATE
1	2,3,4	PARCEL NO. 2 MARIAH GROUP, LLC. CHANGE AREA OF UE (P) TO 0.19A±; 8,120 SF±. PER C.O. 9857 MADE BY: MR APPROVED BY: RC	01/07/14
2	2	PARCEL NO. 2 MARIAH GROUP, LLC. CHANGE AREA OF UE (P) TO 0.12A±; 5,360 SF±. PER C.O. 9857 MADE BY: JB APPROVED BY: RC	01/27/14
3	2,3,4	PARCEL NO. 2 MARIAH GROUP, LLC. CHANGE ACQUISITION FROM A TAKING TO A RIGHT FOR HIGHWAY EASEMENT (P) PER C.O. 9887 MADE BY: MR APPROVED BY: RC	05/22/14

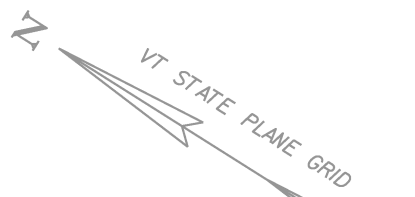
PLAN LEGEND

	EXISTING RIGHT-OF-WAY		TOE OF SLOPE	EC	-EROSION CONTROL
	TAKING WITH ACCESS		TOP OF CUT	(P)	-PERMANENT
	TAKING WITHOUT ACCESS		SLOPE RIGHT	(T)	-TEMPORARY
	CLEAR ZONE		CONSTRUCTION RIGHT	DR.	-DRAINAGE RIGHT
	PROPERTY LINE		PROJECT DEMARCATION FENCE	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 PETROVS DATE: 11-28-2012
CHIEF, PLANS & TITLES

PLOT DATE 06/26/14

PROJECT NAME:	RUTLAND CITY
PROJECT NUMBER:	BRF 3000 (19)
FILE NAME:	r 08j096 detail.xls
PROJECT LEADER:	M. SARGENT
DESIGNED BY:	C. HARDIN
R.O.W. DETAIL SHEET	
PLOT DATE:	06/26/14
DRAWN BY:	MR
CHECKED BY:	DT
SHEET	2 OF 20



**BEGIN R.O.W. PROJECT
STA. 1+98.00 36.00' LT.**

S.J. Wilk Property LLC

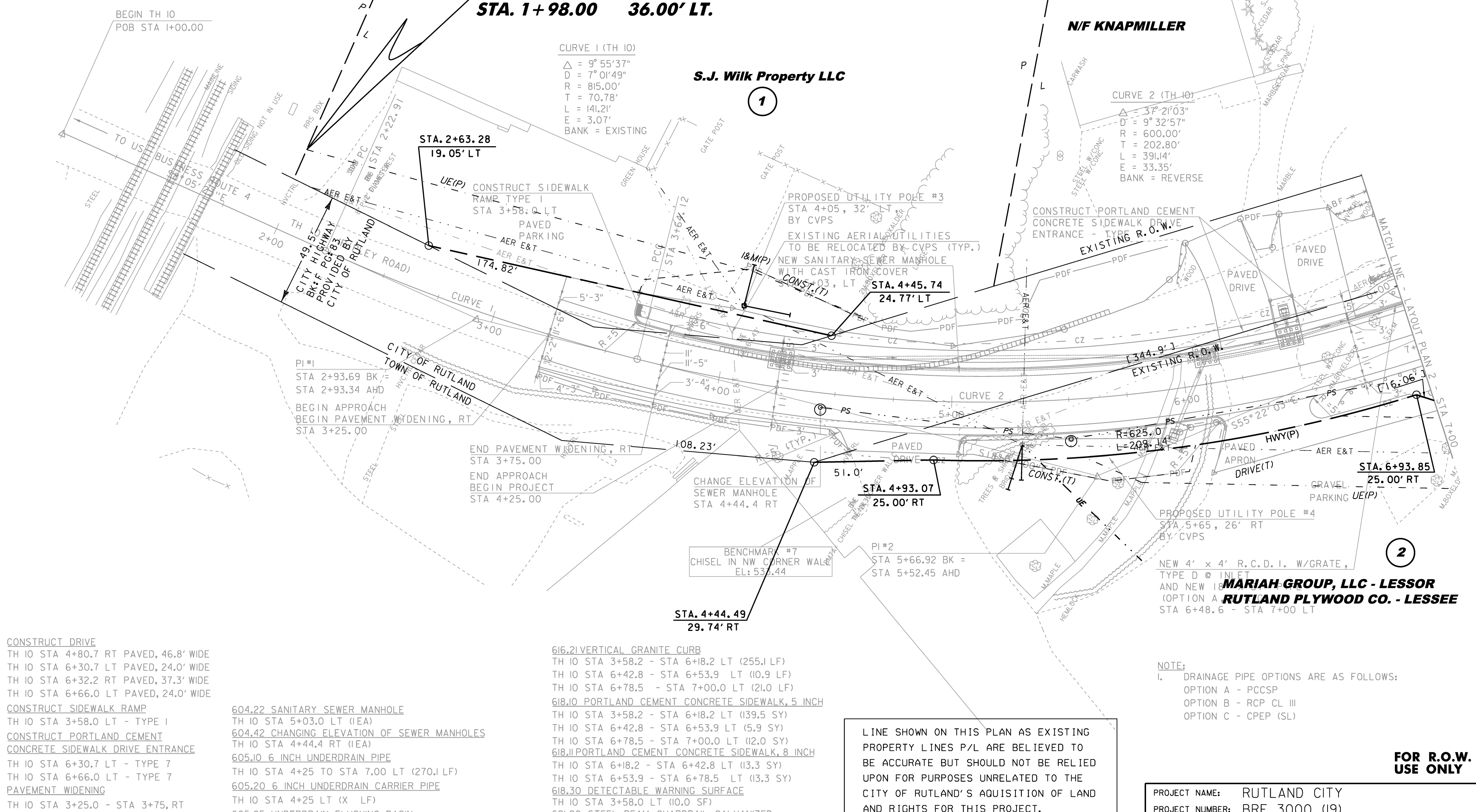
N/F KNAPMILLER

CURVE 1 (TH 10)

$\Delta = 9^\circ 55'37''$
 $D = 7^\circ 01'49''$
 $R = 815.00'$
 $T = 70.78'$
 $L = 141.21'$
 $E = 3.07'$
BANK = EXISTING

CURVE 2 (TH 10)

$\Delta = 37^\circ 21'03''$
 $D = 9^\circ 32'57''$
 $R = 600.00'$
 $T = 202.80'$
 $L = 391.14'$
 $E = 33.35'$
BANK = REVERSE



CONSTRUCT DRIVE
TH 10 STA 4+80.7 RT PAVED, 46.8' WIDE
TH 10 STA 6+30.7 LT PAVED, 24.0' WIDE
TH 10 STA 6+32.2 RT PAVED, 37.3' WIDE
TH 10 STA 6+66.0 LT PAVED, 24.0' WIDE
CONSTRUCT SIDEWALK RAMP
TH 10 STA 3+58.0 LT - TYPE I
CONSTRUCT PORTLAND CEMENT CONCRETE SIDEWALK DRIVE ENTRANCE
TH 10 STA 6+30.7 LT - TYPE 7
TH 10 STA 6+66.0 LT - TYPE 7
PAVEMENT WIDENING
TH 10 STA 3+25.0 - STA 3+75.0 RT

604.22 SANITARY SEWER MANHOLE
TH 10 STA 5+03.0 LT (1EA)
604.42 CHANGING ELEVATION OF SEWER MANHOLES
TH 10 STA 4+44.4 RT (1EA)
605.10 6 INCH UNDERDRAIN PIPE
TH 10 STA 4+25 TO STA 7.00 LT (270.1 LF)
605.20 6 INCH UNDERDRAIN CARRIER PIPE
TH 10 STA 4+25 LT (X LF)
605.95 UNDERDRAIN FLUSHING BASIN
TH 10 STA 4+25 LT (1EA)
628.28 DUCTILE IRON PIPE, CEMENT-LINED
TH 10 STA 5+03.0 LT - STA 7+00.0 RT (192.2 LF)

616.21 VERTICAL GRANITE CURB
TH 10 STA 3+58.2 - STA 6+18.2 LT (255.1 LF)
TH 10 STA 6+42.8 - STA 6+53.9 LT (10.9 LF)
TH 10 STA 6+78.5 - STA 7+00.0 LT (21.0 LF)
618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
TH 10 STA 3+58.2 - STA 6+18.2 LT (139.5 SY)
TH 10 STA 6+42.8 - STA 6+53.9 LT (5.9 SY)
TH 10 STA 6+78.5 - STA 7+00.0 LT (12.0 SY)
618.11 PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH
TH 10 STA 6+18.2 - STA 6+42.8 LT (13.3 SY)
TH 10 STA 6+53.9 - STA 6+78.5 LT (13.3 SY)
618.30 DETECTABLE WARNING SURFACE
TH 10 STA 3+58.0 LT (10.0 SF)
621.20 STEEL BEAM GUARDRAIL, GALVANIZED
TH 10 STA 6+61.6 - STA 7+00.0 RT (41.5 LF)
TH 10 STA 6+95.4 - STA 7+00.0 LT (6.1 LF)
621.60 ANCHOR FOR STEEL BEAM RAIL
TH 10 STA 6+68.6 RT (1EA)

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 CITY OF RUTLAND'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

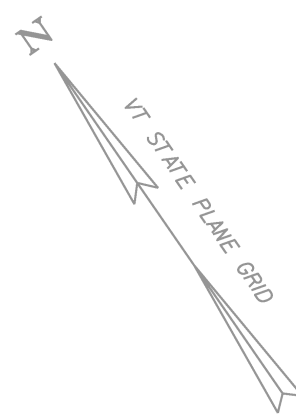
NOTE:
I. DRAINAGE PIPE OPTIONS ARE AS FOLLOWS:
OPTION A - PCCSP
OPTION B - RCP CL III
OPTION C - CPEP (SL)

SCALE 1" = 20'-0"
20 0 20

FOR R.O.W. USE ONLY

PROJECT NAME:	RUTLAND CITY	PLOT DATE:	21-JUL-2014
PROJECT NUMBER:	BRF 3000 (19)	DRAWN BY:	C. HARDIN
FILE NAME:	Layout 1	CHECKED BY:	D. GOZALKOWSKI
PROJECT LEADER:	M. SARGENT	ROW LAYOUT SHEET 1	SHEET 3 OF 20

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (92)



REMOVE EXISTING TRAFFIC SIGNAL SYSTEM (SEE NOTE 2)

NEW GATE VALVE WITH VALVE BOX STA 7+46.5 LT

NEW 4' x 4' R.C.D.I. W/GRATE, TYPE D
STA 7+36.5 LT
NEW BRIDGE RAILING, ALUMINUM/PEDESTRIAN (BRIDGE ITEM) (TYP.)
NEW 18" x 34.7' PIPE (OPTION A, B & C)
STA 7+00 - STA 7+36.5 LT
NEW TAPPING SLEEVE AND VALVE WITH VALVE BOX STA 7+25.9 LT

N/F KNAPMILLER

NEW 18" x 93.2' PIPE (OPTION A, B & C)
END SECTION AT OUTLET STA 9+47.4 LT - STA 10+49.9 LT
NEW GATE VALVE WITH VALVE BOX STA 9+78.3 LT
NEW SANITARY SEWER MANHOLE, WITH CAST IRON COVER STA 9+76.0 CL

PROPOSED PERMANENT EASEMENT FOR AERIAL RIGHTS

PARKER, TIMOTHY J.

616.21 VERTICAL GRANITE CURB

TH IO STA 7+00.0 - STA 7+61.0 LT (59.8 LF)
TH IO STA 9+70.0 - STA 11+00.0 LT (119.9 LF)

618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH

TH IO STA 7+00.0 - STA 7+61.0 LT (33.0 SY)
TH IO STA 9+70.0 - STA 11+00.0 LT (63.6 SY)

621.20 STEEL BEAM GUARDRAIL, GALVANIZED

TH IO STA 7+00.0 - STA 7+33.7 LT (33.4 LF)
TH IO STA 7+00.0 - STA 7+34.7 RT (35.5 LF)
TH IO STA 9+95.4 - STA 10+17.1 RT (27.0 LF)
TH IO STA 9+98.7 - STA 10+39.7 LT (39.5 LF)

621.21 HD STEEL BEAM GUARDRAIL, GALVANIZED

TH IO STA 7+33.7 - STA 7+59.3 LT (25.0 LF)
TH IO STA 7+34.7 - STA 7+59.3 RT (25.0 LF)
TH IO STA 9+71.8 - STA 9+95.4 RT (25.0 LF)
TH IO STA 9+71.8 - STA 9+98.7 LT (25.0 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL

TH IO STA 7+02.8 LT (1EA)
TH IO STA 10+11.7 RT (1EA)
TH IO STA 10+31.7 LT (1EA)

NEW 18" x 41.4' PIPE (OPTION A, B & C)
STA 9+53.3 LT - STA 11+00.0 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

TH IO STA 7+07.4 - STA 7+73.5 LT (66.2 LF)
TH IO STA 7+18.3 - STA 7+75.0 LT (52.6 LF)
TH IO STA 9+55.7 - STA 10+39.5 LT (61.7 LF)
TH IO STA 9+56.6 - STA 10+18.1 LT (61.3 LF)
TH IO STA 9+56.6 - STA 10+21.7 LT (66.5 LF)
TH IO STA 9+56.6 - STA 11+00.0 LT (96.9 LF)

REMOVE EXISTING TRAFFIC SIGNAL SYSTEM (SEE NOTE 2)

CURVE 5 (CLEMENT ROAD)

$\Delta = 28^{\circ} 18' 24''$
 $D = 15^{\circ} 16' 44''$
 $R = 375.00'$
 $T = 94.56'$
 $E = 185.27'$
 $L = 11.74'$
BANK = TRANSITION

NOTES:

- LIMITS OF STONE FILL ARE SHOWN ON PLAN AND ELEVATION, SHEET 44.
- REMOVE ALL EXISTING TRAFFIC SIGNAL EQUIPMENT, TO BE PAID BY ITEM 900.620 SPECIAL PROVISION (REMOVAL OF EXISTING TRAFFIC SIGNAL SYSTEM).
- DRAINAGE PIPE OPTIONS ARE AS FOLLOWS:
OPTION A - CSP
OPTION B - RCP CL III
OPTION C - CPEP (SL)
- EXISTING AERIAL UTILITIES TO BE RELOCATED BY CVPS.

FOR R.O.W. USE ONLY

08J096

PROJECT NAME: RUTLAND CITY
PROJECT NUMBER: BRF 3000 (19)

FILE NAME: Layout 2
PROJECT LEADER: M. SARGENT
DESIGNED BY: C. HARDIN
ROW LAYOUT SHEET 2

PLOT DATE: 21-JUL-2014
DRAWN BY: C. HARDIN
CHECKED BY: D. GOZALKOWSKI
SHEET 4 OF 20

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 CITY OF RUTLAND'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

SCALE 1" = 20'-0"
20 0 20

NEW SANITARY SEWER MANHOLE, WITH CAST IRON COVER STA 7+55.0 CL

NEW 18" x 45.5' PIPE (OPTION A, B & C)
END SECTION AT OUTLET STA 7+36.5 LT - STA 7+55.8 RT

PROPOSED UTILITY POLE # 5 STA 7+50.0 75' RT

604.11 CONCRETE MANHOLE WITH CAST IRON COVER
TH IO STA 10+51.7 LT (1EA)

604.22 SANITARY SEWER MANHOLE

TH IO STA 7+55.0 CL (1EA)

TH IO STA 9+76.0 CL (1EA)

TH IO STA 10+84.9 LT (1EA)

605.10 6 INCH UNDERDRAIN PIPE

TH IO STA 7+00.0 TO STA 7+35.8 LT (47.9 LF)

TH IO STA 9+91.4 TO STA 10+49.4 LT (54.9 LF)

TH IO STA 10+53.6 TO STA 11+00.0 LT (43.4 LF)

605.20 6 INCH UNDERDRAIN CARRIER PIPE

TH IO STA 9+91.4 (X LF)

605.95 UNDERDRAIN FLUSHING BASIN

TH IO STA 9+91.4 (1EA)

628.28 DUCTILE IRON PIPE, CEMENT-LINED

TH IO STA 7+00.0 LT - STA 7+55.0 (55.7 LF)

TH IO STA 9+76.0 - STA 10+84.9 LT (110.0 LF)

629.24 DUCTILE IRON PIPE, CEMENT-LINED

TH IO STA 7+25.9 - STA 7+46.5 LT (27.4 LF)

TH IO STA 9+78.3 - STA 10+35.0 LT (49.7 LF)

629.27 GATE VALVE WITH VALVE BOX

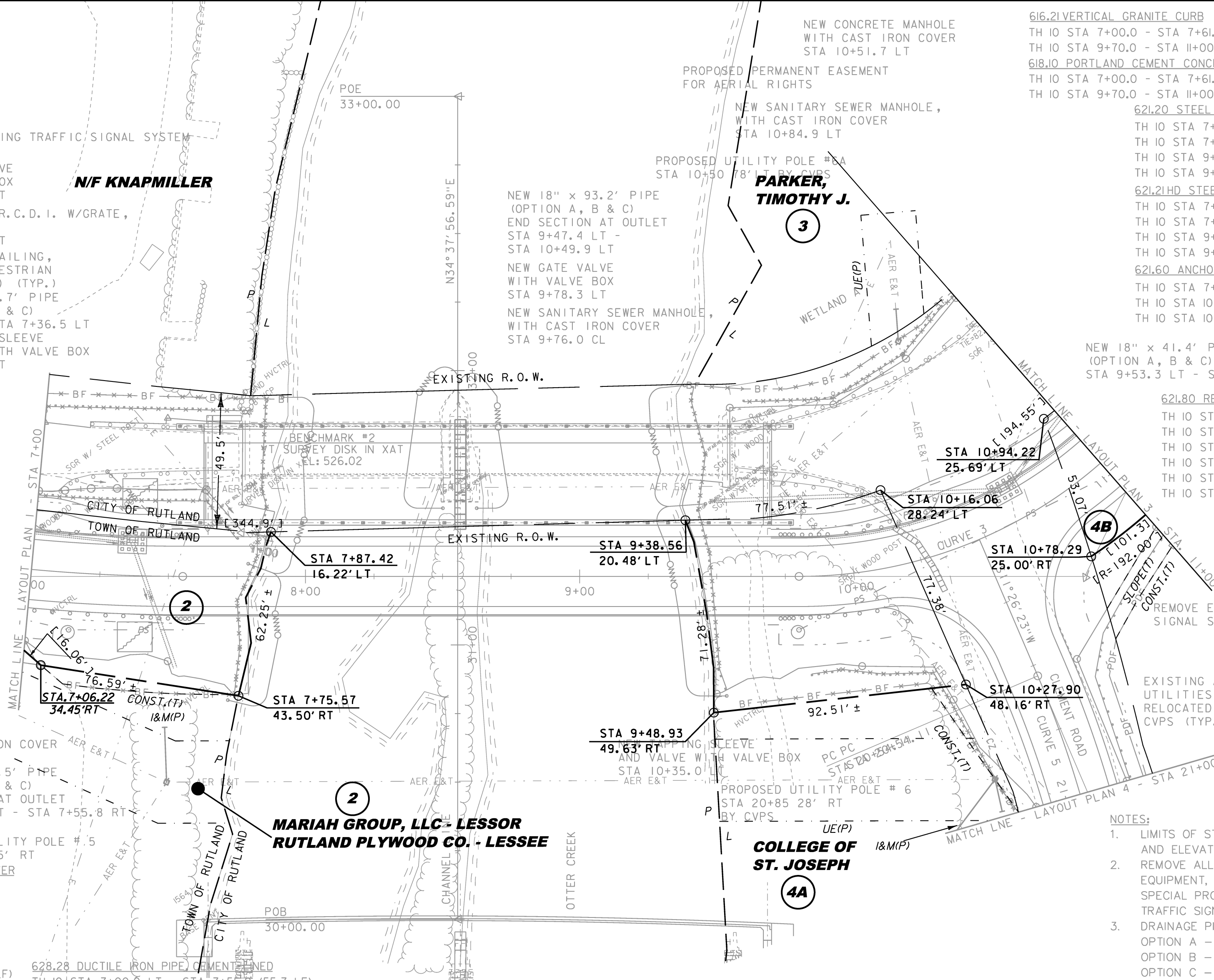
TH IO STA 7+46.5 LT (1EA)

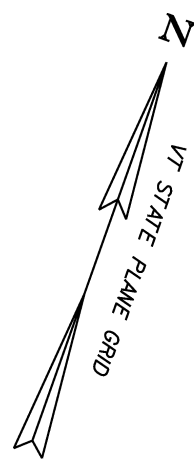
TH IO STA 9+78.3 LT (1EA)

629.35 TAPPING SLEEVE AND VALVE WITH VALVE BOX

TH IO STA 7+25.9 LT (1EA)

TH IO STA 10+35.0 LT (1EA)



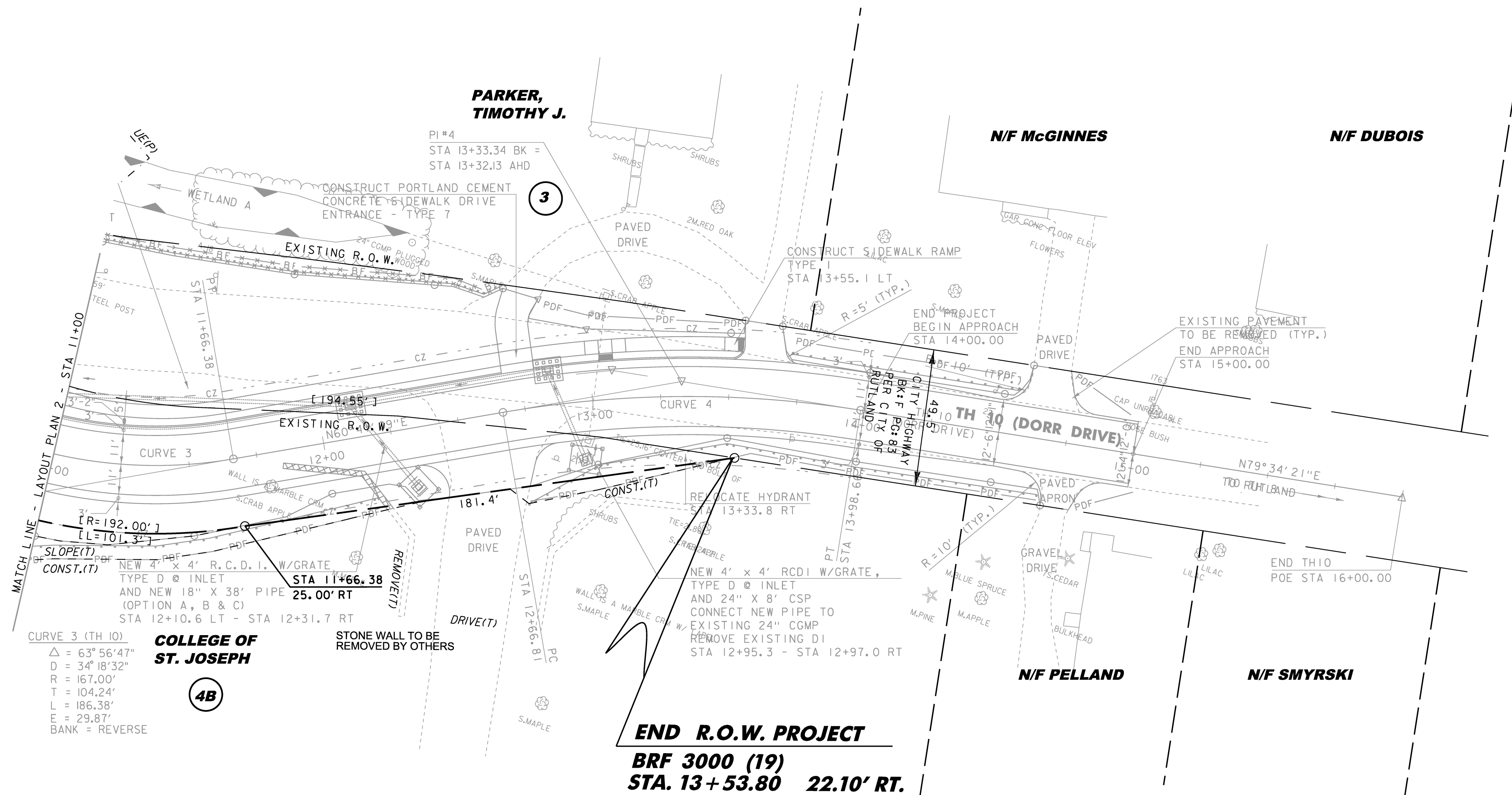


REMOVE EXISTING PAVEMENT
TH IO STA 14+72.9 TO STA 14+77.1 LT (10.9 SY)

CONSTRUCT DRIVE
TH IO STA 12+53.2 RT PAVED, 27.5' WIDE
TH IO STA 12+74.5 LT PAVED, 12.0' WIDE
TH IO STA 13+61.2 LT PAVED, 13.6' WIDE
TH IO STA 14+65.9 LT PAVED, 13.9' WIDE
TH IO STA 14+74.4 RTPAVED, 10.5' WIDE

CONSTRUCT SIDEWALK RAMP
TH IO STA 13+55.1 LT - TYPE 1

CONSTRUCT PORTLAND CEMENT
CONCRETE SIDEWALK DRIVE ENTRANCE
TH IO STA 12+74.5 LT - TYPE 7



CURVE 3 (TH IO)
 $\Delta = 63^\circ 56' 47''$
 $D = 34^\circ 18' 32''$
 $R = 167.00'$
 $T = 104.24'$
 $L = 186.38'$
 $E = 29.87'$
 BANK = REVERSE

COLLEGE OF ST. JOSEPH
4B

END R.O.W. PROJECT
BRF 3000 (19)
STA. 13+53.80 22.10' RT.

605.10 6 INCH UNDERDRAIN
STA 11+00.0 TO STA 12+05.0 LT (99.6 LF)
605.20 6 INCH UNDERDRAIN CARRIER PIPE
STA 12+05.0 LT (X LF)
605.95 UNDERDRAIN FLUSHING BASIN
STA 12+05.0 LT (1EA)

613.10 STONE FILL, TYPE 1
TH IO STA 11+90.2 LT (0.7 CY)
616.21 VERTICAL GRANITE CURB
TH IO STA 11+00.0 - STA 12+66.0 LT (163.1LF)
TH IO STA 12+82.9 - STA 13+54.7 LT (78.4 LF)
618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
TH IO STA 11+00.0 - STA 13+54.7 LT (139.7 SY)
618.30 DETECTABLE WARNING SURFACE
TH IO STA 13+54.7 LT (10.0 SF)
621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
TH IO STA 11+00.0 - STA 11+07.4 LT (4.4 LF)

629.24 DUCTILE IRON PIPE, CEMENT-LINED
TH IO STA 13+33.8 RT (5.0 LF)
629.29 RELOCATE HYDRANT
TH IO STA 13+33.8 RT (1EA)
679.25 REMOVING AND RESETTING LIGHT POLE
TH IO STA 12+32.4 RT (1EA)
TH IO STA 13+16.0 RT (1EA)

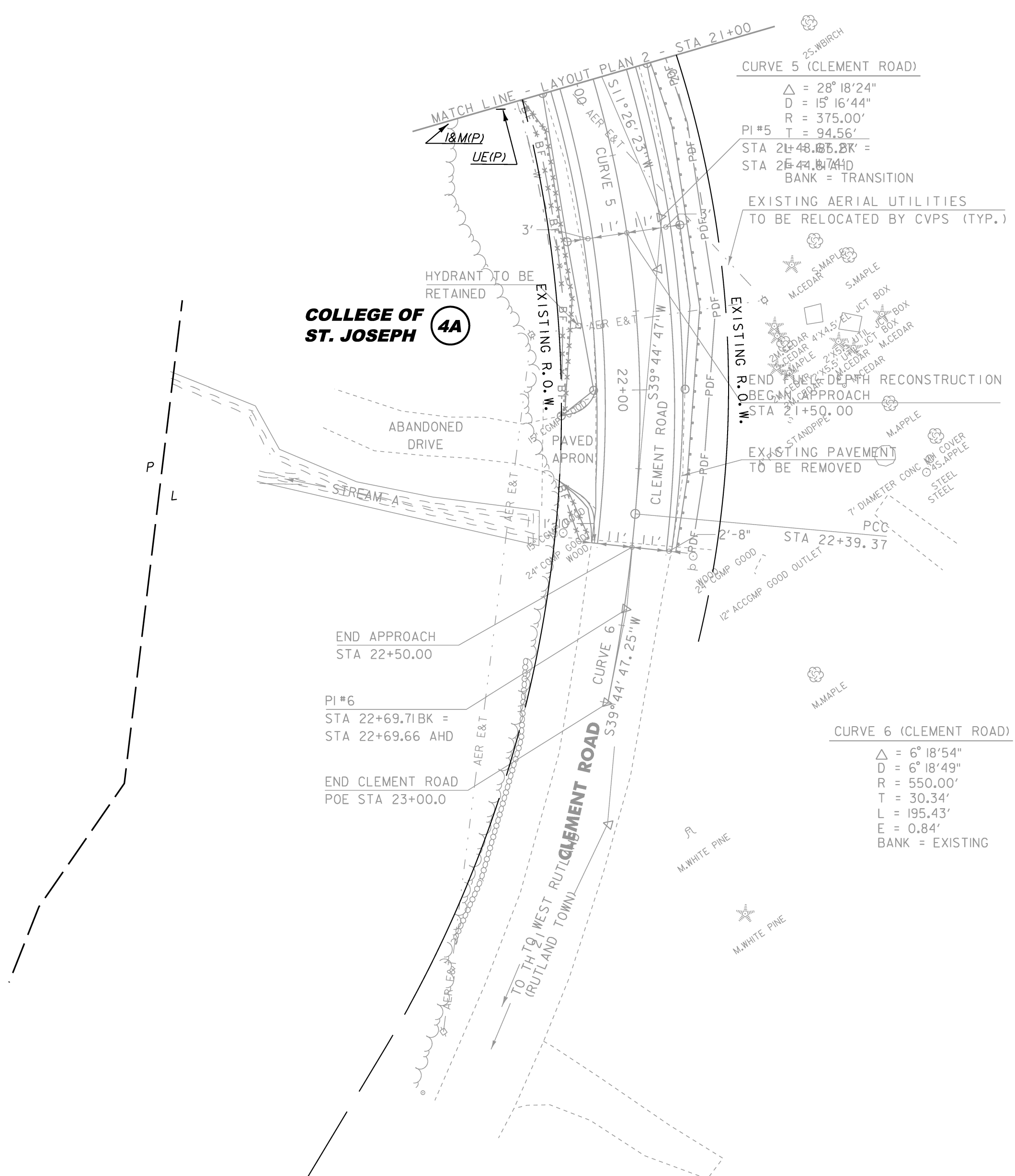
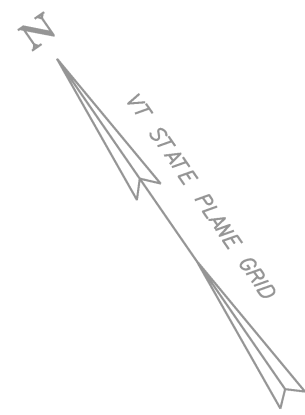
LINE SHOWN ON THIS PLAN AS EXISTING
PROPERTY LINES P/L ARE BELIEVED TO
BE ACCURATE BUT SHOULD NOT BE RELIED
UPON FOR PURPOSES UNRELATED TO THE
CITY OF RUTLAND'S ACQUISITION OF LAND
AND RIGHTS FOR THIS PROJECT.

SCALE 1" = 20' - 0"
 20 0 20

DATUM
 VERTICAL NAVD 88
 HORIZONTAL NAD 83 (92)

**FOR R.O.W.
 USE ONLY**

08J096
 PROJECT NAME: RUTLAND CITY
 PROJECT NUMBER: BRF 3000 (19)
 FILE NAME: Layout 3
 PROJECT LEADER: M. SARGENT
 DESIGNED BY: C. HARDIN
 ROW LAYOUT SHEET 3
 PLOT DATE: 21-JUL-2014
 DRAWN BY: C. HARDIN
 CHECKED BY: D. GOZALKOWSKI
 SHEET 5 OF 20



CURVE 5 (CLEMMENT ROAD)
 $\Delta = 28^{\circ} 18' 24''$
 $D = 15^{\circ} 16' 44''$
 $R = 375.00'$
 $PI \# 5$
 $T = 94.56'$
 $STA 21+48.05 BK =$
 $STA 21+44.07 AHD$
 BANK = TRANSITION

EXISTING AERIAL UTILITIES
 TO BE RELOCATED BY CVPS (TYP.)

END APPROACH DEPTH RECONSTRUCTION
 BEGIN APPROACH
 $STA 21+50.00$

EXISTING PAVEMENT
 TO BE REMOVED

CURVE 6 (CLEMMENT ROAD)
 $\Delta = 6^{\circ} 18' 54''$
 $D = 6^{\circ} 18' 49''$
 $R = 550.00'$
 $T = 30.34'$
 $L = 195.43'$
 $E = 0.84'$
 BANK = EXISTING

COLLEGE OF ST. JOSEPH 4A

END APPROACH
 $STA 22+50.00$

$PI \# 6$
 $STA 22+69.71 BK =$
 $STA 22+69.66 AHD$

END CLEMMENT ROAD
 POE $STA 23+00.0$

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
 CITY OF RUTLAND'S ACQUISITION OF LAND
 AND RIGHTS FOR THIS PROJECT.

PROJECT NAME: RUTLAND CITY	
PROJECT NUMBER: BRF 3000 (19)	
FILE NAME: Layout 4	PLOT DATE: 21-JUL-2014
PROJECT LEADER: M. SARGENT	DRAWN BY: C. HARDIN
DESIGNED BY: C. HARDIN	CHECKED BY: D. GOZALKOWSKI
ROW LAYOUT SHEET 4	SHEET 6 OF 20

SCALE 1" = 20'-0"

**FOR R.O.W.
 USE ONLY**

MATERIAL ITEM	THICKNESS	TOLERANCE
PAVEMENT (TOTAL DEPTH)	± 1 1/4"	
SUBBASE	± 1"	
SAND BORROW	± 1"	

TYPICAL SECTIONS

3" SURFACE COURSE, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY, TYPE 1VS - 2 - 1 1/2" LIFTS
 3" BASE COURSE, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY, TYPE 1IS
 12" SUBBASE OF CRUSHED GRAVEL, COARSE GRADED
 15" SAND BORROW

SEEDING FORMULA

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
37.5	22.5	CREeping RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRDSFOOT TREFOIL	98	85
5.0	3.0	ANNUAL RYE GRASS	95	85
100.0	60			

SEEDING NOTES:

SEED MIXTURE:
 SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

SEED:
 TO BE APPLIED PER SEEDING FORMULA OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER:
 FORMULA 10-20-10 TO BE USED WITH SEED APPLIED AT THE RATE OF 500 LBS/ACRE (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).

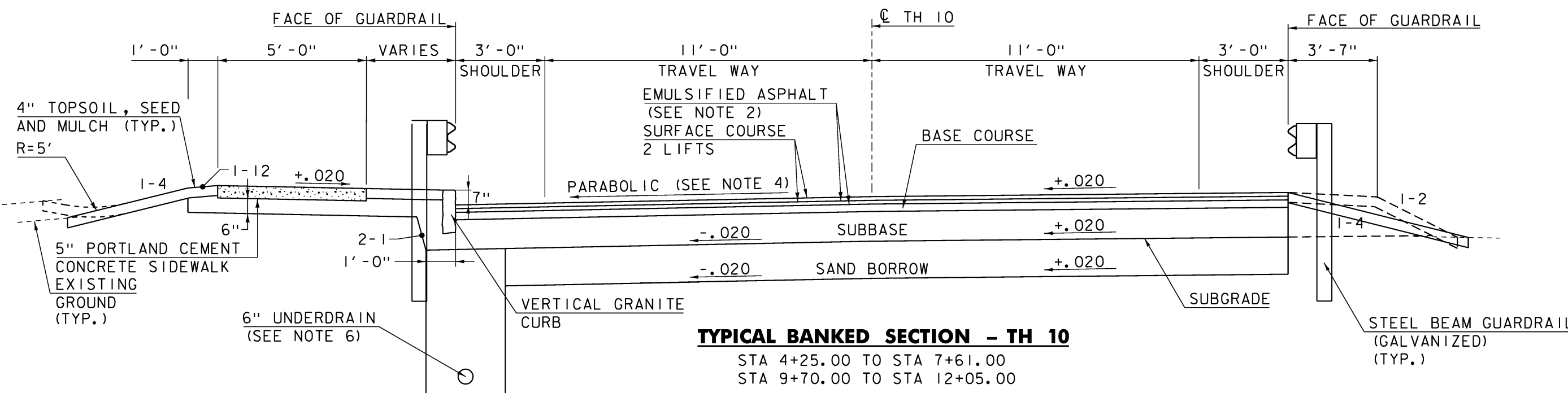
AGRICULTURAL LIMESTONE:
 TO BE APPLIED AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE RESIDENT ENGINEER.

TOPSOIL:
 TO BE USED WITH SEED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH:
 TO BE APPLIED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE RESIDENT ENGINEER.

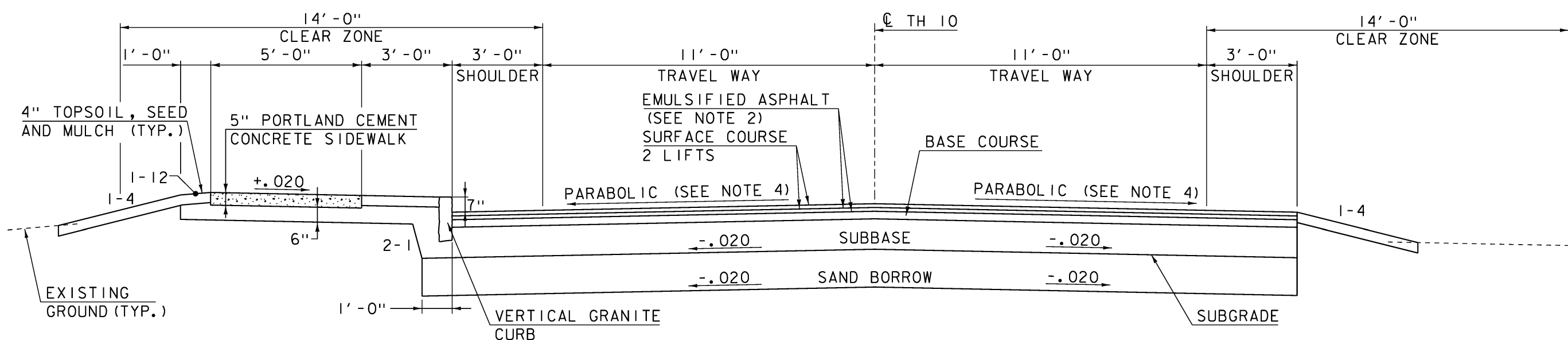
GENERAL NOTES:

- SEE CLEMENT ROAD CROSS SECTIONS FOR CROSS SLOPE INFORMATION.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER. EMULSIFIED ASPHALT TO BE PAID UNDER ITEM 404.65 EMULSIFIED ASPHALT.
- SEE TH 10 CROSS SECTIONS FOR CURB REVEAL TRANSITION NOTES FOR SIDEWALK RAMPS AND DRIVEWAYS.
- SEE ROADWAY PAVING DETAILS FOR PARABOLIC DETAIL NORMAL SECTION.
- SEE ROADWAY PAVING DETAILS FOR PAVEMENT TERMINATION DETAIL.
- PROVIDE 6" UNDERDRAIN AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. SEE STD D-30 FOR CONSTRUCTION DETAILS. SEE TH 10 CROSS SECTIONS AND CLEMENT ROAD CROSS SECTIONS FOR DESIGN DETAILS.



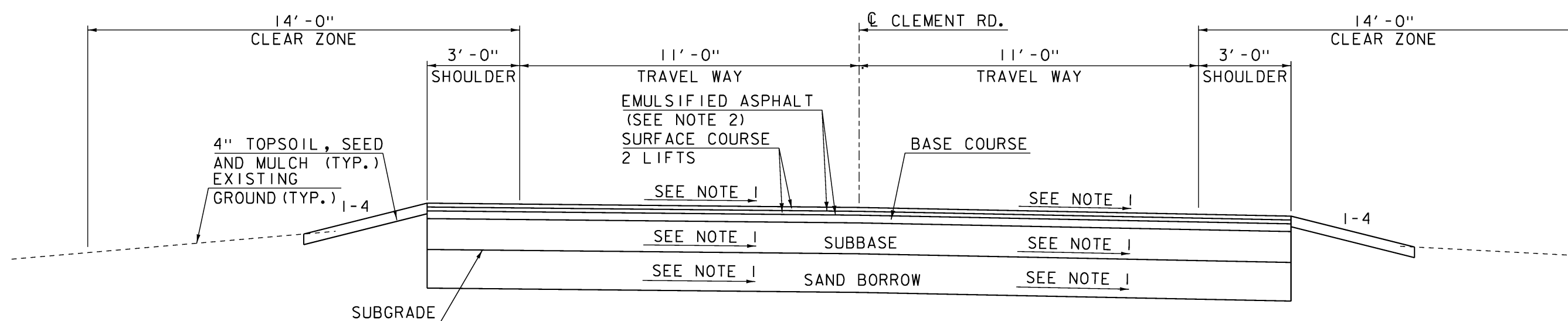
TYPICAL BANKED SECTION - TH 10

STA 4+25.00 TO STA 7+61.00
 STA 9+70.00 TO STA 12+05.00



TYPICAL NORMAL SECTION - TH 10

STA 12+05.00 TO STA 14+00.00



TYPICAL SECTION - CLEMENT ROAD

STA 20+14.00 TO STA. 21+50.00

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 DATE/TIME = \$DATE\$
 USER = \$USER\$

NOT TO SCALE

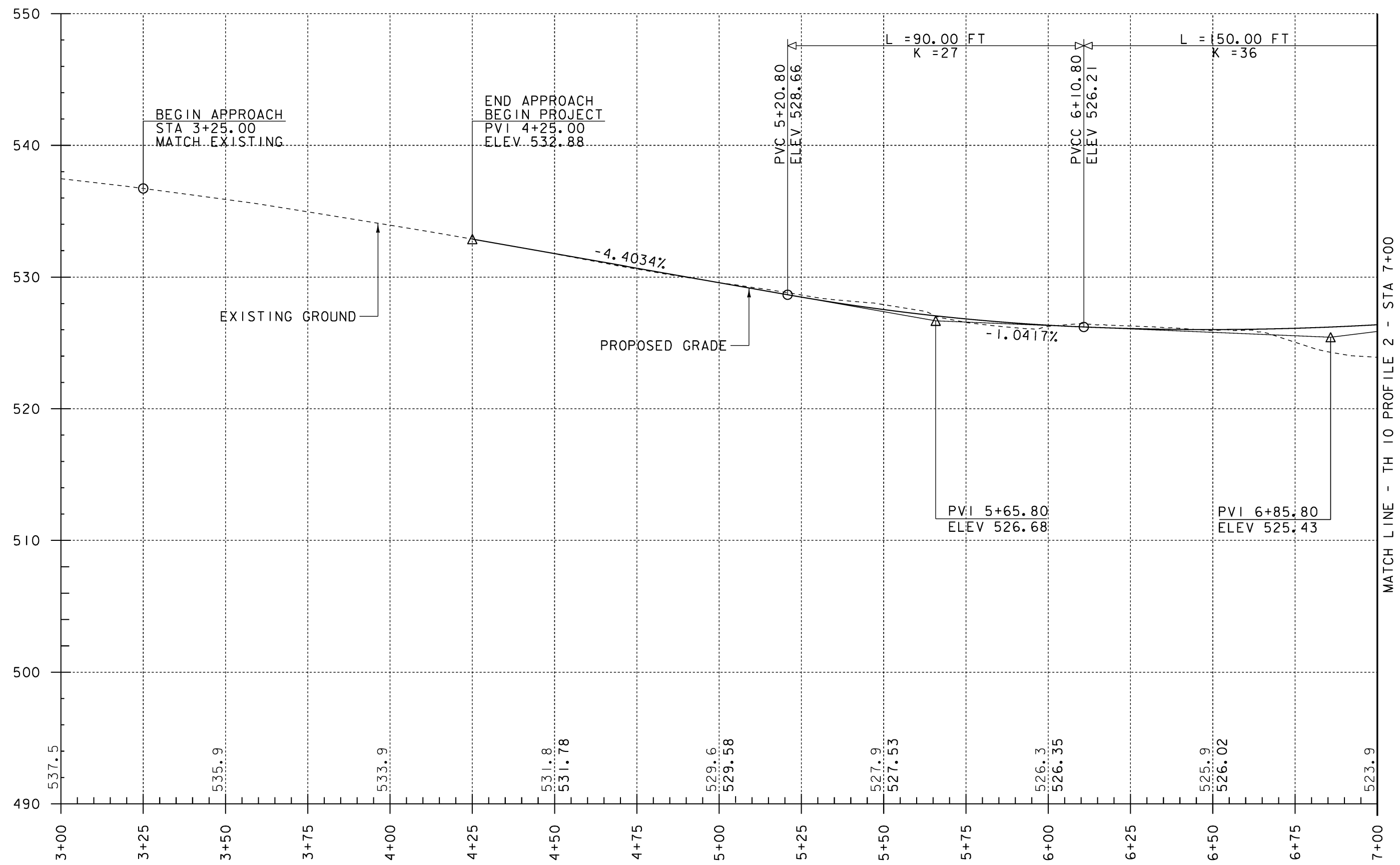
CHA

**PROJECT
 TYPICAL
 SECTIONS #1**

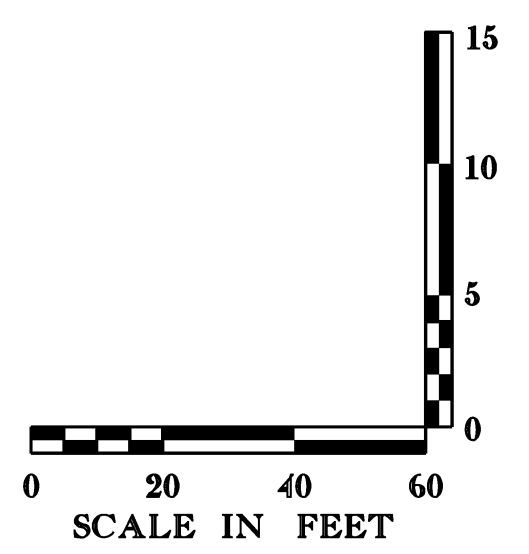
PROJECT NAME: RUTLAND CITY
 PROJECT NUMBER: BRF 3000 (19)

PROJECT LEADER: M. SARGENT
 DESIGNED BY: C. HARDIN
 DWG. NO.:

PLOT DATE: \$DATE\$
 DRAWN BY: C. HARDIN
 CHECKED BY: D. GOZALKOWSKI
 ROW SHEET 7 OF 204



PROFILE - TH10



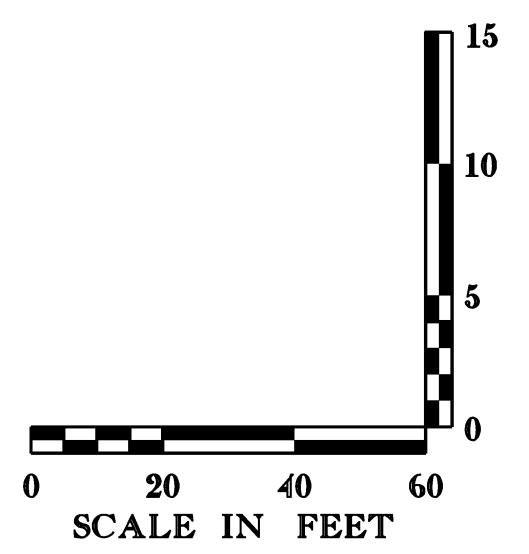
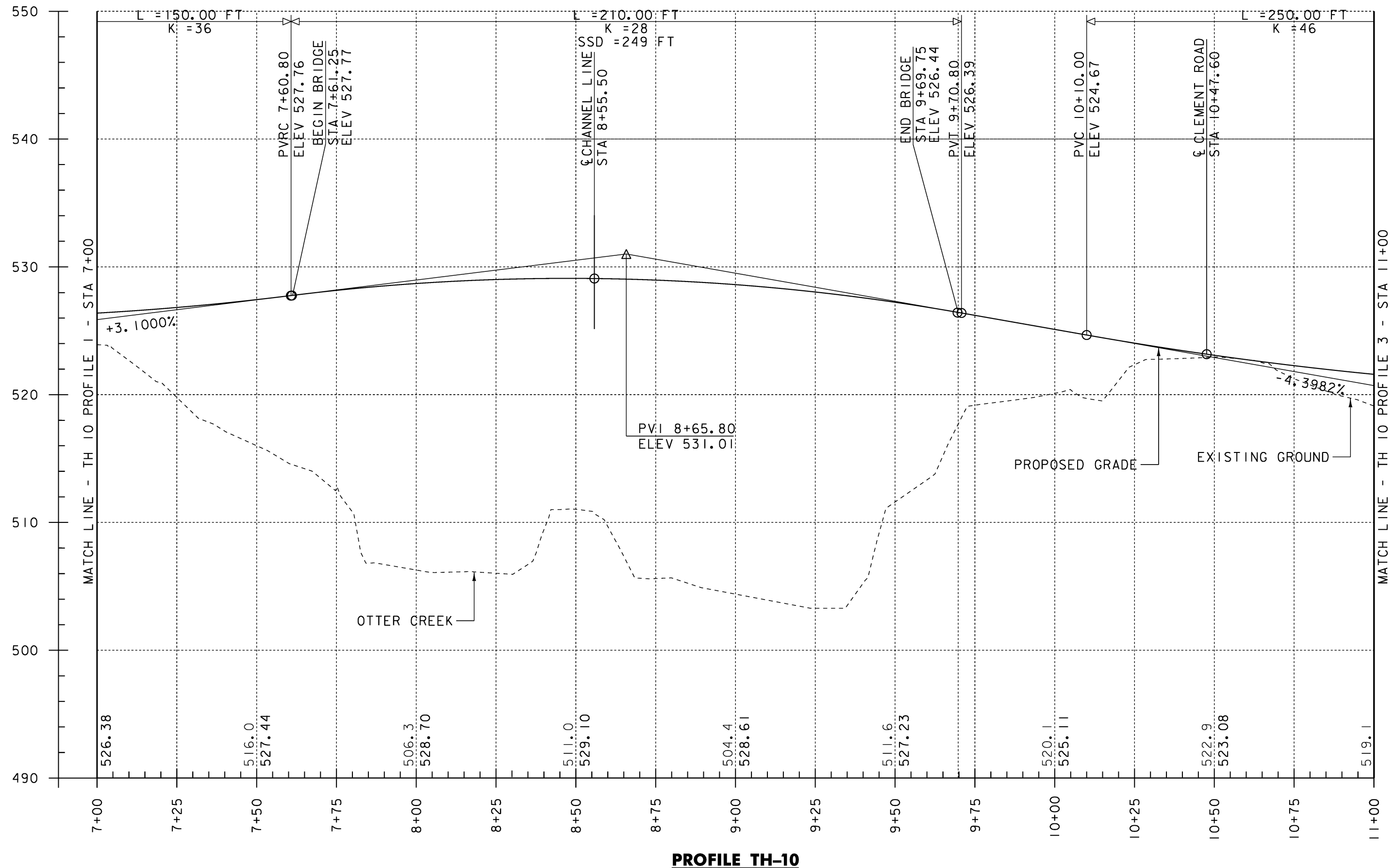
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DATE/TIME = \$DATE\$
USER = \$USER\$

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (92)

NOTE:
1. THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG CENTERLINE. THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE PROPOSED GRADES ALONG CENTERLINE.



TH 10 PROFILE #1	PROJECT NAME: RUTLAND CITY	PLOT DATE: \$DATE\$
	PROJECT NUMBER: BRF 3000 (19)	DRAWN BY: C. HARDIN
	PROJECT LEADER: M. SARGENT	CHECKED BY: D. GOZALKOWSKI
	DESIGNED BY: C. HARDIN	ROW SHEET 9 OF 20
	DWG. NO.:	



NOTE:

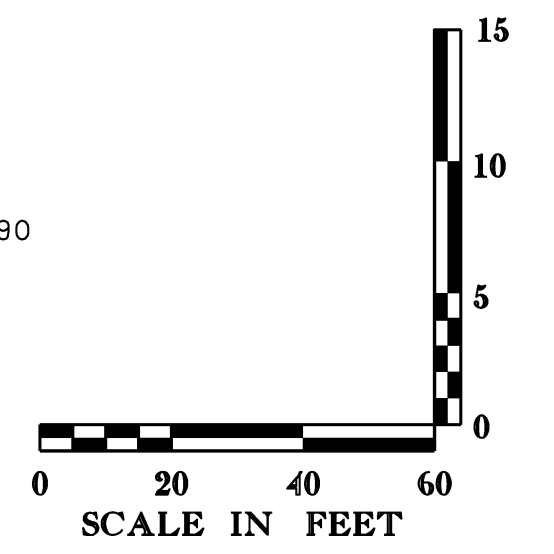
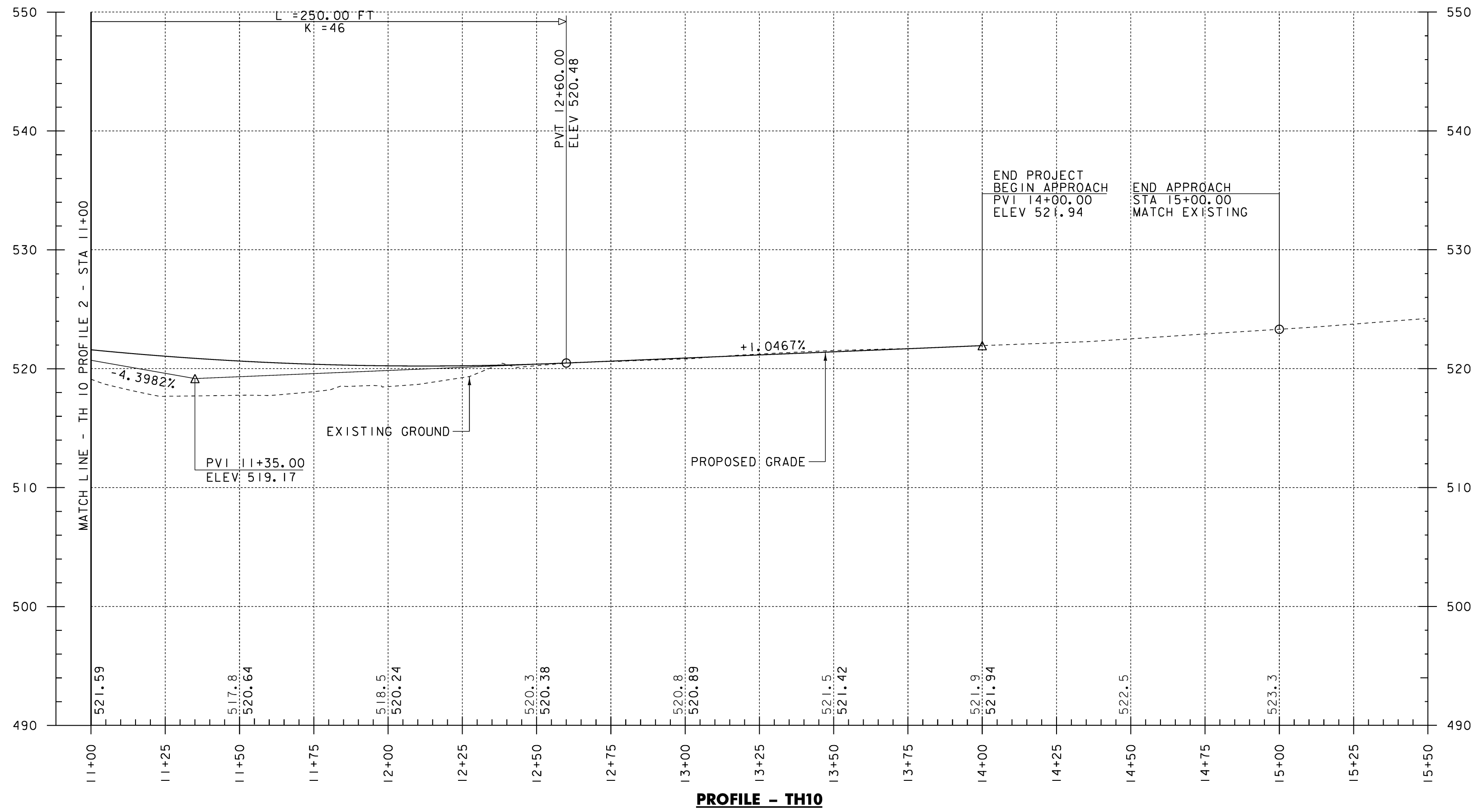
1. THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG CENTERLINE. THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE PROPOSED GRADES ALONG CENTERLINE.



DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (92)

TH 10 PROFILE #2	PROJECT NAME: RUTLAND CITY	PLOT DATE: \$DATE\$
	PROJECT NUMBER: BRF 3000 (19)	DRAWN BY: C. HARDIN
	PROJECT LEADER: M. SARGENT	CHECKED BY: D. GOZALKOWSKI
	DESIGNED BY: C. HARDIN	ROW SHEET 10 OF 120
	DWG. NO.:	

FILE NAME = \$FILES\$
 DATE/TIME = \$DATE\$
 USER = \$USER\$



NOTE:

1. THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG CENTERLINE. THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE PROPOSED GRADES ALONG CENTERLINE.

DATUM
 VERTICAL NAVD 88
 HORIZONTAL NAD 83 (92)

**TH 10
 PROFILE #3**

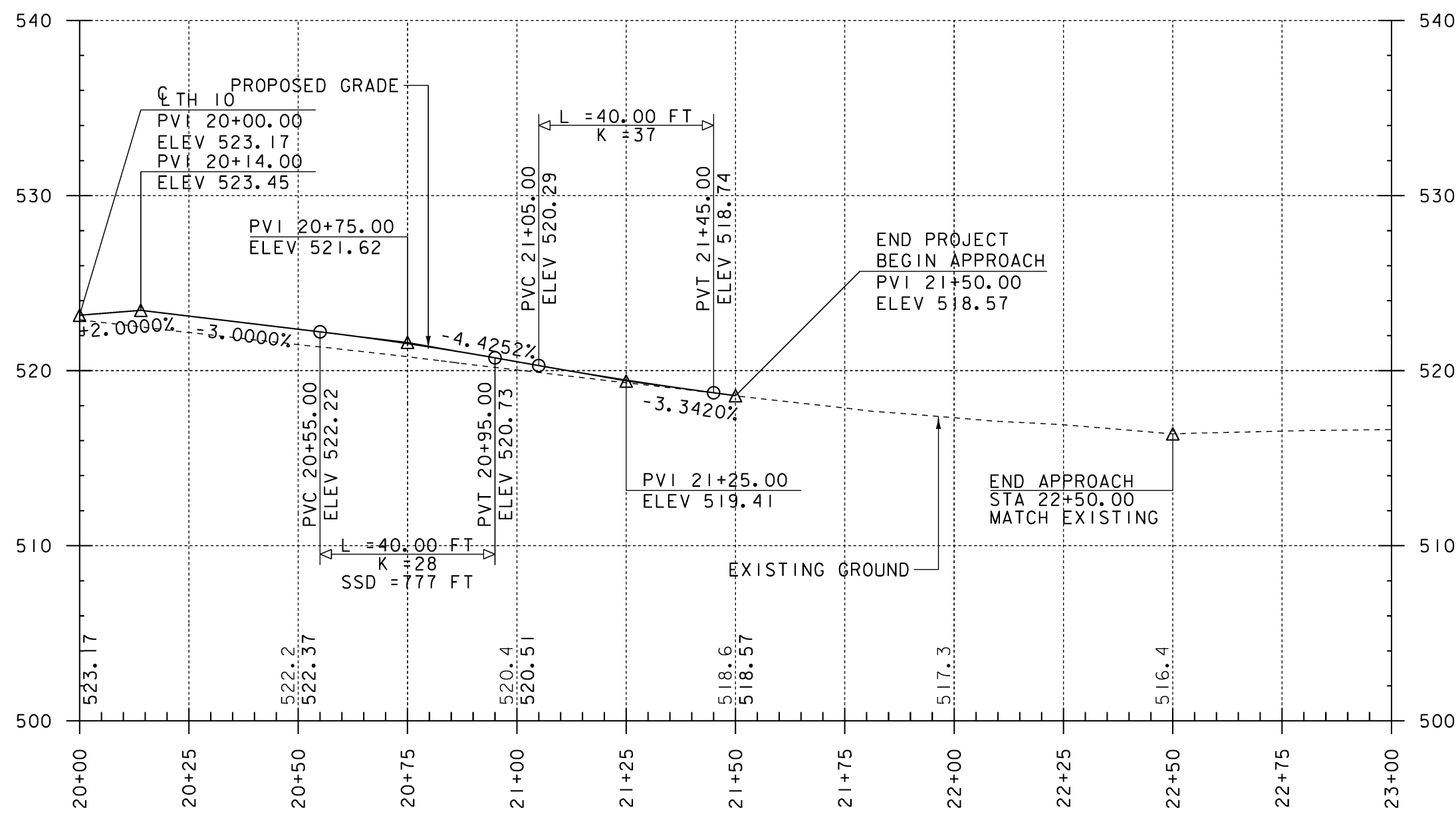


PROJECT NAME: RUTLAND CITY
 PROJECT NUMBER: BRF 3000 (19)

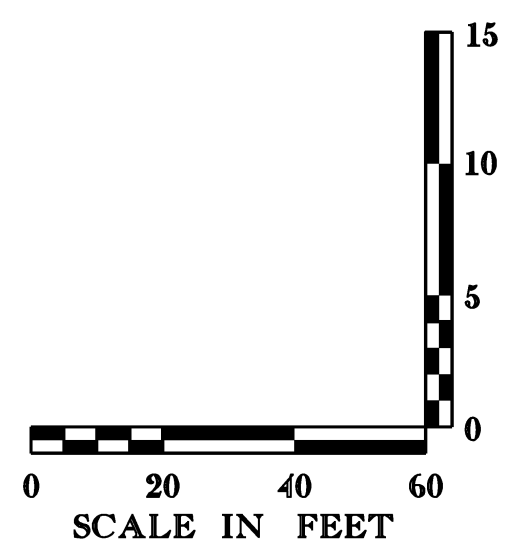
PROJECT LEADER: M. SARGENT
 DESIGNED BY: C. HARDIN
 DWG. NO.:

PLOT DATE: \$DATE\$
 DRAWN BY: C. HARDIN
 CHECKED BY: D. GOZALKOWSKI
 ROW SHEET II OF 204

FILE NAME = \$FILES\$
 DATE/TIME = \$DATE\$
 USER = \$USER\$



PROFILE - CLEMENT ROAD



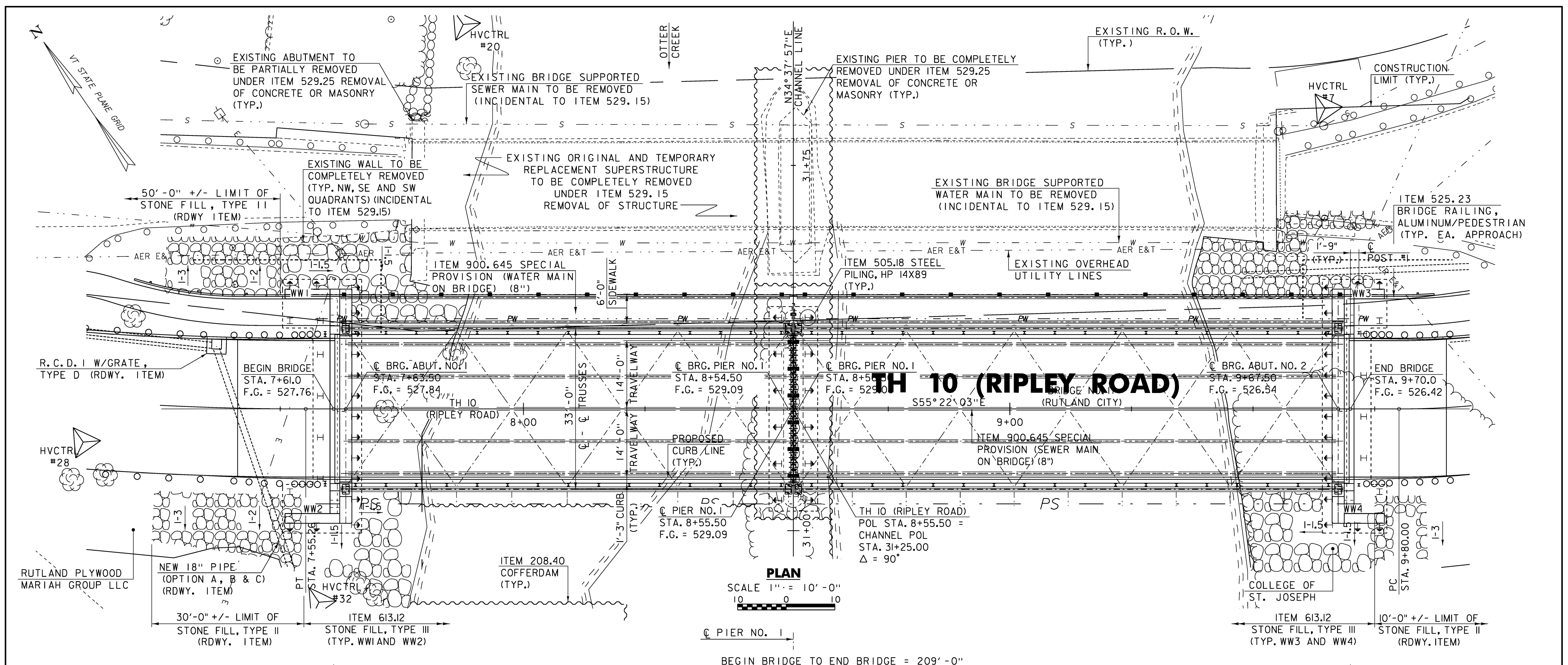
NOTE:
 1. THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG CENTERLINE. THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE PROPOSED GRADES ALONG CENTERLINE.



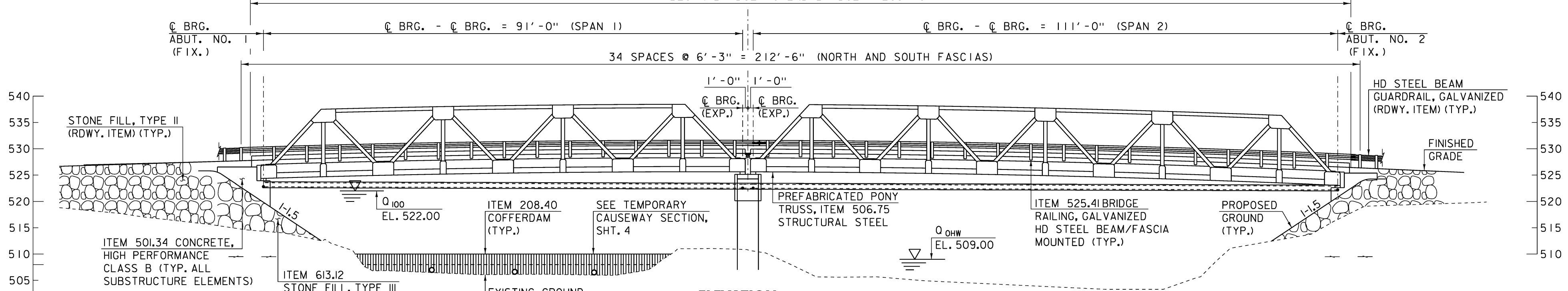
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (92)

CLEMENT ROAD PROFILE	PROJECT NAME: RUTLAND CITY	PLOT DATE: \$DATE\$
	PROJECT NUMBER: BRF 3000 (19)	DRAWN BY: C. HARDIN
	PROJECT LEADER: M. SARGENT	CHECKED BY: D. GOZALKOWSKI
	DESIGNED BY: C. HARDIN	ROW SHEET 12 OF 204
DWG. NO.:		

FILE NAME = \$FILES\$
 DATE/TIME = \$DATE\$ \$TIME\$
 USER = \$USER\$



PLAN
SCALE 1" = 10'-0"



ELEVATION
SCALE 1" = 10'-0"

PLAN AND ELEVATION	PROJECT NAME: RUTLAND CITY	PLOT DATE: \$DATE\$
	PROJECT NUMBER: BRF 3000 (19)	DRAWN BY: D. D'AMATO
	PROJECT LEADER: M. SARGENT	CHECKED BY: P. PERKINS
	DESIGNED BY: D. D'AMATO	ROW SHEET 13 OF 100
DWG. NO.:		



FILE NAME = \$FILES\$
DATE/TIME = \$DATE\$
USER = \$USER\$

PRELIMINARY INFORMATION SHEET

INDEX OF SHEETS

1.	TITLE SHEET
2.	PRELIMINARY INFORMATION SHEET
3.-4.	PROJECT TYPICAL SECTIONS
5.	ROADWAY PAVING DETAILS
6.-7.	TE SHEET
8.-11.	LAYOUT PLAN
12.-14.	TH 10 PROFILE
15.	CLEMENT ROAD PROFILE
16.-19.	RESOURCE LAYOUT PLAN
20.-21.	EPSC NARRATIVE
22.-24.	EPSC DETAILS
25.-28.	EPSC EXISTING CONDITIONS SITE PLAN
29.	EPSC TEMPORARY CONSTRUCTION SITE PLAN
30.-33.	EPSC CONSTRUCTION SITE PLAN
34.-37.	EPSC FINAL CONDITIONS SITE PLAN
38.	BORING INFORMATION SHEET
39.-43.	BORING LOG SHEET
44.	PLAN AND ELEVATION
45.-51.	TH 10 CROSS SECTIONS
52.-56.	CHANNEL CROSS SECTIONS

LIST OF STANDARDS

A-76	03-03-2003
B-1	06-01-1994
B-5	06-01-1994
B-11	06-01-1994
B-12	06-01-1994
B-71	07-08-2005
C-2B	10-14-2005
C-3A	03-10-2008
C-3B	03-10-2008
C-10	02-11-2008
D-13	01-03-2000
D-15	06-01-1994
D-20	03-03-2003
D-22	03-10-1995
E-100	01-02-2004
E-100A	01-02-2004
E-101	05-30-2003
E-102	06-30-2003
E-102A	05-01-2004
E-106	03-01-2004
E-107	06-30-2003
E-108	06-08-2009
E-110	08-08-1995
E-111	03-11-1997
E-119	03-01-2004
E-121	08-08-1995
E-131B	05-30-2003
E-134	08-08-1995
E-164	06-08-2009
E-191	02-01-1999
E-193	08-18-1995
G-1	01-03-2000
G-1D	01-03-2000
SB-R6-82	01-06-1995

SCOPE OF WORK

- INSTALLATION OF CONSTRUCTION APPROACH SIGNING, WORK ZONE TRAFFIC MANAGEMENT PLAN AND EROSION CONTROL FEATURES. RELOCATION OF OVERHEAD UTILITIES, AS REQUIRED, AND ESTABLISHMENT OF CONSTRUCTION STAGING AREAS.
- INSTALLATION OF TEMPORARY CAUSEWAY, COFFERDAM AND PILE FOUNDATION. CONSTRUCTION OF PROPOSED CAST-IN-PLACE CONCRETE WALL TYPE PIER.
- INSTALLATION OF PILE FOUNDATIONS AND CONSTRUCTION OF PROPOSED CAST-IN-PLACE CONCRETE STUB ABUTMENTS.
- INSTALLATION OF PREFABRICATED TRUSSES, FLOOR SYSTEM AND BRIDGE SUPPORTED UTILITIES.
- INSTALLATION OF EXODERMIC CONCRETE DECK, CANTILEVERED SIDEWALK, APPROACH SLABS AND RAIL SYSTEMS.
- CONSTRUCTION OF PROPOSED EMBANKMENTS AND RELATED OFFLINE APPROACH WORK.
- SHIFT TRAFFIC TO NEW ALIGNMENT AND CONSTRUCT REMAINDER OF APPROACHES UNDER TEMPORARY, PARTIAL CLOSURES.
- REMOVE TEMPORARY BRIDGE FROM EXISTING STRUCTURE AND STOCKPILE. REMOVE EXISTING SUPERSTRUCTURE AND MODIFY CONCRETE PORTION OF EXISTING ABUTMENTS. REMOVE EXISTING PIER BELOW MUDLINE.
- COMPLETE FINAL GRADING, REMOVE EROSION CONTROL FEATURES, CLEAN UP AND DEMOLIBLIZE FROM SITE.

FINAL HYDRAULIC REPORT

HYDROLOGIC DATA

Date: _____
 DRAINAGE AREA: _____
 CHARACTER OF TERRAIN: _____
 STREAM CHARACTERISTICS: _____
 NATURE OF STREAMBED: _____

PEAK FLOW DATA

Q 2.33 = _____ Q 50 = _____
 Q 10 = _____ Q 100 = _____
 Q 25 = _____ Q 500 = _____

DATE OF FLOOD OF RECORD: _____
 ESTIMATED DISCHARGE: _____
 WATER SURFACE ELEV.: _____

NATURAL STREAM VELOCITY: _____
 ICE CONDITIONS: _____
 DEBRIS: _____
 DOES THE STREAM REACH MAXIMUM HIGHWATER ELEV. RAPIDLY? _____
 IS ORDINARY RISE RAPID? _____
 IS STAGE AFFECTED BY UPSTREAM OR DOWNSTREAM CONDITIONS? _____
 IF YES, DESCRIBE: _____

WATERSHED STORAGE: _____ HEADWATERS: _____
 UNIFORM: _____
 IMMEDIATELY ABOVE SITE: _____

EXISTING STRUCTURE INFORMATION

STRUCTURE TYPE: STEEL WARREN PONY TRUSS
 YEAR BUILT: 1928
 CLEAR SPAN(NORMAL TO STREAM): 71.5' (SPAN 1) 91.3' (SPAN 2)
 VERTICAL CLEARANCE ABOVE STREAMBED: 15.5'
 WATERWAY OF FULL OPENING: _____
 DISPOSITION OF STRUCTURE: DEMOLISH, REPLACE OFFLINE
 TYPE OF MATERIAL UNDER SUBSTRUCTURE: STRATIFIED SOIL DEPOSITS

WATER SURFACE ELEVATIONS AT:
 Q2.33 = _____ VELOCITY = _____
 Q10 = _____
 Q25 = _____
 Q50 = _____
 Q100 = _____

LONG TERM STREAMBED CHANGES: _____

IS THE ROADWAY OVERTOPPED BELOW Q100: _____
 FREQUENCY: _____
 RELIEF ELEVATION: _____
 DISCHARGE OVER ROAD @Q100: _____

UPSTREAM STRUCTURE

TOWN: _____ DISTANCE: _____
 HIGHWAY #: _____ STRUCTURE #: _____
 CLEAR SPAN: _____ CLEAR HEIGHT: _____
 YEAR BUILT: _____ FULL WATERWAY: _____
 STRUCTURE TYPE: _____

DOWNSTREAM STRUCTURE

TOWN: _____ DISTANCE: _____
 HIGHWAY #: _____ STRUCTURE #: _____
 CLEAR SPAN: _____ CLEAR HEIGHT: _____
 YEAR BUILT: _____ FULL WATERWAY: _____
 STRUCTURE TYPE: _____

TRAFFIC DATA

YEAR	ADT	DHV	% D	% T	ADTT
2012	2100	260	61	0.9	130
2032	2200	270	61	1.2	190

20 year ESAL for flexible pavement from 2012 to 2032 : 440.00
 40 year ESAL for flexible pavement from 2012 to 2052 : 1,020.00
 Design Speed : 30 mph

PROPOSED STRUCTURE

STRUCTURE TYPE: PREFABRICATED STEEL PONY TRUSS
 CLEAR SPAN(NORMAL TO STREAM): 88.75' (SPAN 1) 108.75' (SPAN 2)
 VERTICAL CLEARANCE ABOVE STREAMBED: 16.7'
 WATERWAY OF FULL OPENING: _____

WATER SURFACE ELEVATIONS AT:
 Q2.33 = _____ VELOCITY = _____
 Q10 = _____
 Q25 = _____
 Q50 = _____
 Q100 = _____

IS THE ROADWAY OVERTOPPED BELOW Q100: NO
 FREQUENCY: _____
 RELIEF ELEVATION: _____
 DISCHARGE OVER ROAD @Q100: _____

AVERAGE LOW ELEVATION OF SUPERSTRUCTURE: 522
 VERTICAL CLEARANCE: _____

SCOUR: _____

REQUIRED CHANNEL PROTECTION: STONE FILL, TYPE III

PERMIT INFORMATION

AVERAGE DAILY FLOW: _____ DEPTH OR ELEVATION: _____
 ORDINARY LOW WATER: _____
 ORDINARY HIGH WATER: _____

TEMPORARY BRIDGE REQUIREMENTS

STRUCTURE TYPE: N/A
 CLEAR SPAN (NORMAL TO STREAM): N/A
 VERTICAL CLEARANCE ABOVE STREAMBED: N/A
 WATERWAY AREA OF FULL OPENING: N/A

ADDITIONAL INFORMATION

DESIGN CRITERIA

- DESIGN LIVE LOAD AASHTO HL-93
- DESIGN SPAN 91' (SPAN 1) 111' (SPAN 2)
- ALLOWABLE LOAD FOR SPREAD FOOTINGS ON SOIL N/A
ON LEDGE N/A
- ALLOWABLE LOAD FOR PILING 580 KIPS
TYPE HP14X89
ESTIMATED LENGTH 60.5' (ABUT. NO. 1), 51.5' (PIER. NO. 1), 52.0' (ABUT. NO. 2)
- STRUCTURAL STEEL AASHTO M270MM270 GRADE 50 PAINTED
- REINFORCING STEEL GRADE 60
- CONCRETE, HIGH PERFORMANCE CLASS A fc: 4000 psi
CONCRETE, HIGH PERFORMANCE CLASS B fc: 3500 psi
- DESIGN SOIL UNIT WEIGHT 140 pcf
- DESIGN LOAD FOR SPREAD FOOTINGS ON SOIL N/A

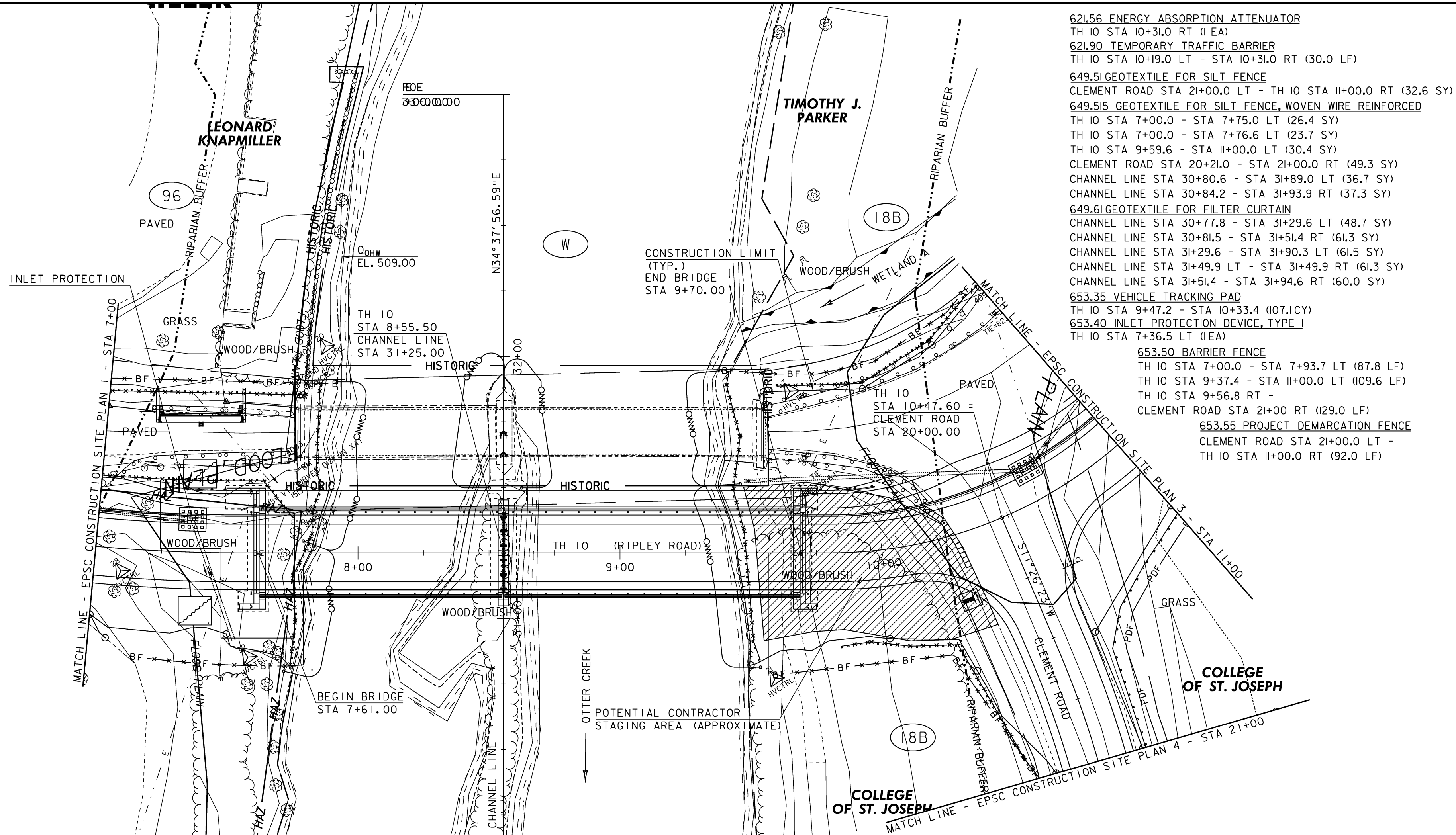
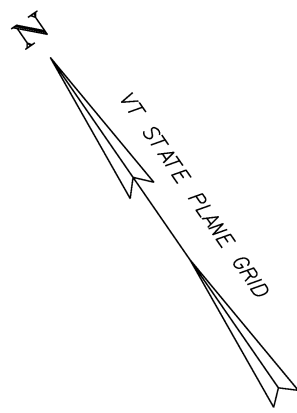
TRAFFIC MAINTENANCE

- IS TRAFFIC TO BE MAINTAINED? YES
IF YES, ON EXISTING STRUCTURE? YES
OR ON TEMPORARY BRIDGE? N/A
ONE OR TWO-WAY TRAVEL? N/A
- TRAFFIC CONTROL SIGNALS REQUIRED? CURRENTLY IN PLACE
- ARE SIDEWALKS REQUIRED? NO
IF SO, ON WHAT SIDE? N/A

PROJECT NAME: **RUTLAND CITY**
 PROJECT NUMBER: **BHF 3000 (19)**

FILE NAME: **Z08J096_PRELIM_INFO.XLS** PLOT DATE: **5/4/2011**
 PROJECT LEADER: **M. SARGENT** DRAWN BY: **D. D'AMATO**
 DESIGNED BY: **D. D'AMATO** CHECKED BY: **P. PERKINS**
PRELIMINARY INFORMATION SHEET ROW SHEET 14 OF 20





- 621.56 ENERGY ABSORPTION ATTENUATOR
TH 10 STA 10+31.0 RT (1 EA)
- 621.90 TEMPORARY TRAFFIC BARRIER
TH 10 STA 10+19.0 LT - STA 10+31.0 RT (30.0 LF)
- 649.51 GEOTEXTILE FOR SILT FENCE
CLEMENT ROAD STA 21+00.0 LT - TH 10 STA 11+00.0 RT (32.6 SY)
- 649.515 GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED
TH 10 STA 7+00.0 - STA 7+75.0 LT (26.4 SY)
TH 10 STA 7+00.0 - STA 7+76.6 LT (23.7 SY)
TH 10 STA 9+59.6 - STA 11+00.0 LT (30.4 SY)
- CLEMENT ROAD STA 20+21.0 - STA 21+00.0 RT (49.3 SY)
- CHANNEL LINE STA 30+80.6 - STA 31+89.0 LT (36.7 SY)
- CHANNEL LINE STA 30+84.2 - STA 31+93.9 RT (37.3 SY)
- 649.61 GEOTEXTILE FOR FILTER CURTAIN
CHANNEL LINE STA 30+77.8 - STA 31+29.6 LT (48.7 SY)
CHANNEL LINE STA 30+81.5 - STA 31+51.4 RT (61.3 SY)
CHANNEL LINE STA 31+29.6 - STA 31+90.3 LT (61.5 SY)
CHANNEL LINE STA 31+49.9 LT - STA 31+49.9 RT (61.3 SY)
CHANNEL LINE STA 31+51.4 - STA 31+94.6 RT (60.0 SY)
- 653.35 VEHICLE TRACKING PAD
TH 10 STA 9+47.2 - STA 10+33.4 (107.1 CY)
- 653.40 INLET PROTECTION DEVICE, TYPE 1
TH 10 STA 7+36.5 LT (1 EA)
- 653.50 BARRIER FENCE
TH 10 STA 7+00.0 - STA 7+93.7 LT (87.8 LF)
TH 10 STA 9+37.4 - STA 11+00.0 LT (109.6 LF)
TH 10 STA 9+56.8 RT -
CLEMENT ROAD STA 21+00 RT (129.0 LF)
- 653.55 PROJECT DEMARCATION FENCE
CLEMENT ROAD STA 21+00.0 LT -
TH 10 STA 11+00.0 RT (92.0 LF)

LEGEND			
(XXX)	SOIL MAP UNIT TYPE (SEE SHEET 2 FOR DETAILS)	ONNO	FILTER CURTAIN
-----	SOIL MAP UNIT BOUNDARY	- BF * * * BF * * * BF -	BARRIER FENCE
— FLOOD PLAIN —	Q ₁₀₀ FLOODPLAIN BOUNDARY	- PDF — PDF — PDF -	PROJECT DEMARCATION FENCE
- - - RIPARIAN BUFFER - - -	RIPARIAN BUFFER	[Hatched Box]	VEHICLE TRACKING PAD
-----	ORDINARY HIGH WATER (EL: 509)	[Grid Box]	STONE AND BLOCK DROP INLET PROTECTION
— HAZ —	HAZARDOUS MATERIAL AREA	[Slope Box]	SURFACE ROUGHENING
— HISTORIC —	HISTORIC RESOURCE AREA	XXX	EXISTING MAJOR CONTOUR (10' INTERVAL)
[Dashed Box]	TEMPORARY TRAFFIC BARRIER		EXISTING MINOR CONTOUR (2' INTERVAL)
-----	SILT FENCE		
*****	SILT FENCE (WOVEN WIRE REINFORCED)		

NOTE:

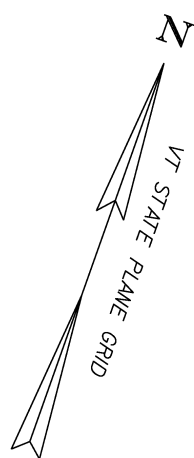
I. TEMPORARY TRAFFIC BARRIER SHALL BE PROVIDED BETWEEN TH 10 (RIPLEY ROAD) AND CONTRACTOR STAGING AREAS WHERE EQUIPMENT OR MATERIALS ARE BEING STORED WITHIN THE ROADSIDE CLEAR ZONE (14.0' FROM EDGE OF LANE). ENERGY ABSORPTION ATTENUATOR SHALL BE PROVIDED AT END OF TEMPORARY TRAFFIC BARRIER, THAT IS LOCATED WITHIN THE CLEAR ZONE.

SCALE 1" = 20' - 0"
20 0 20

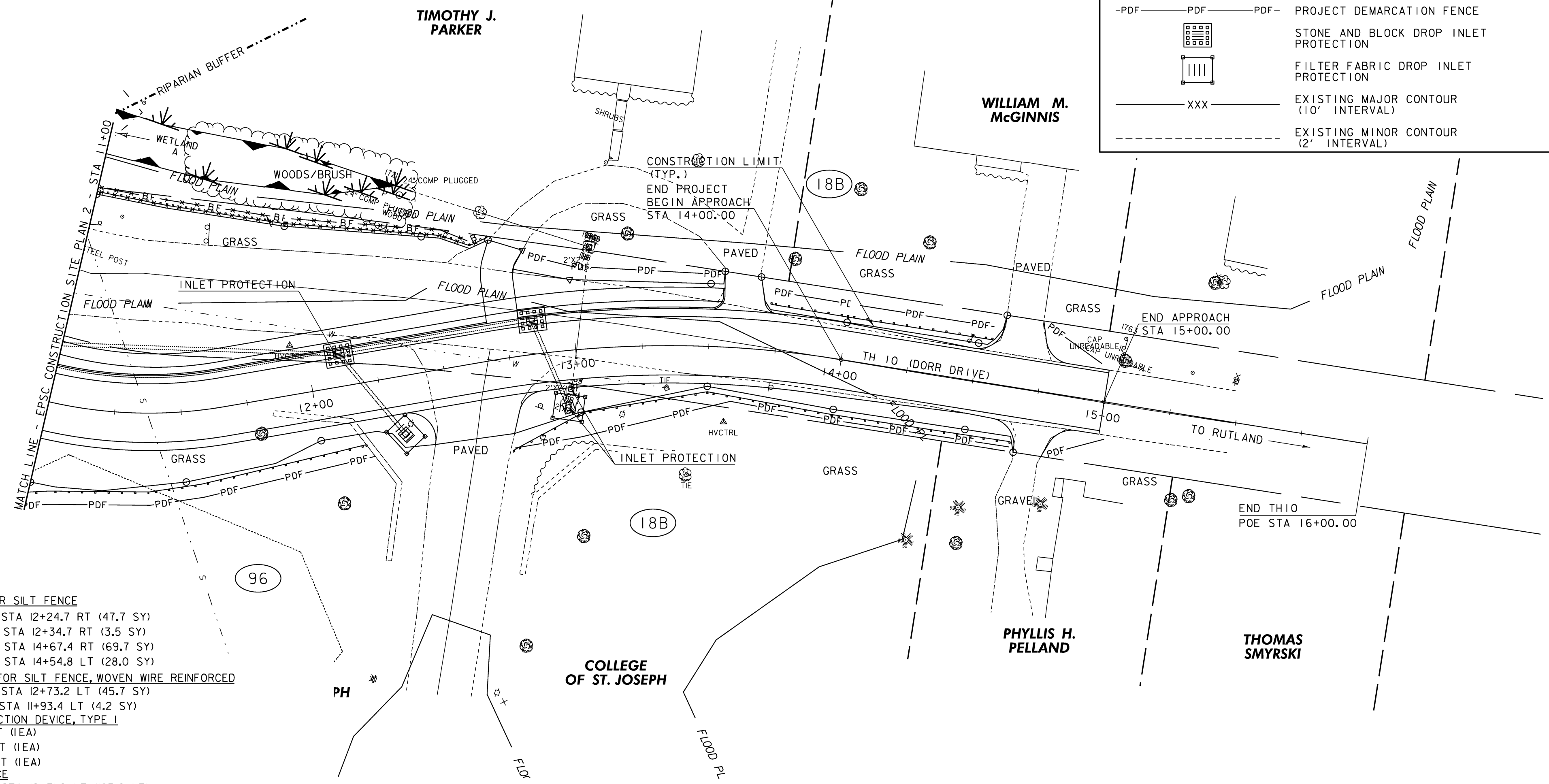


EPSC CONSTRUCTION SITE PLAN #2	PROJECT NAME: RUTLAND CITY	PLOT DATE: \$DATE\$
	PROJECT NUMBER: BRF 3000 (19)	DRAWN BY: C. HARDIN
	PROJECT LEADER: M. SARGENT	CHECKED BY: D. GOZALKOWSKI
	DESIGNED BY: C. HARDIN	ROW SHEET 16 OF 20

FILE NAME = \$FILES\$
DATE/TIME = \$DATES\$
USER = \$USERS\$



LEGEND	
(XXX)	SOIL MAP UNIT TYPE (SEE SHEET 2 FOR DETAILS)
-----	SOIL MAP UNIT BOUNDARY
— FLOOD PLAIN —	Q ₁₀₀ FLOODPLAIN BOUNDARY
- - - - RIPARIAN BUFFER - - - -	RIPARIAN BUFFER
-----	SILT FENCE
-----	SILT FENCE (WOVEN WIRE REINFORCED)
- BF - - - - BF - - - - BF -	BARRIER FENCE
- PDF - - - - PDF - - - - PDF -	PROJECT DEMARCATION FENCE
	STONE AND BLOCK DROP INLET PROTECTION
	FILTER FABRIC DROP INLET PROTECTION
--- XXX ---	EXISTING MAJOR CONTOUR (10' INTERVAL)
--- ---	EXISTING MINOR CONTOUR (2' INTERVAL)



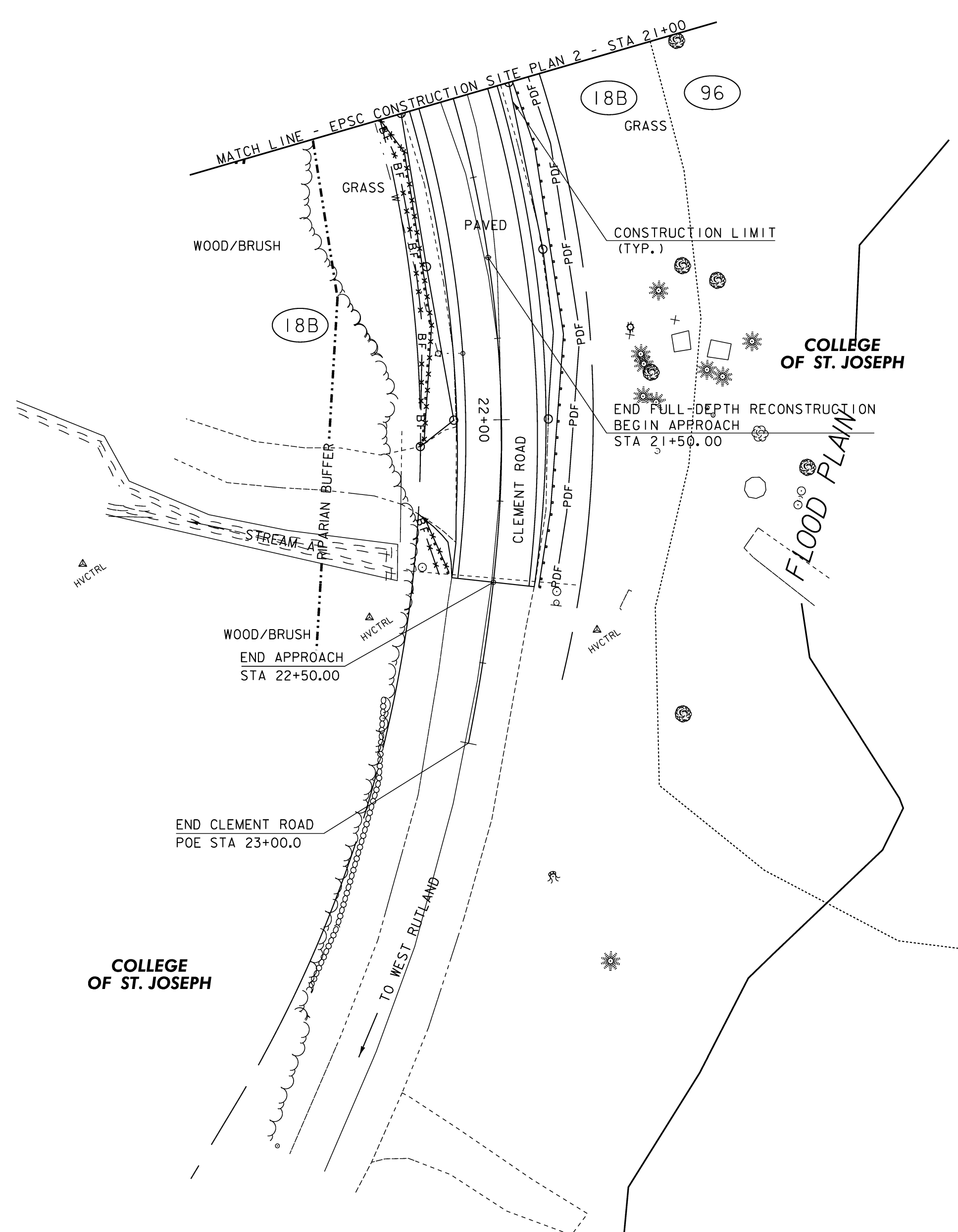
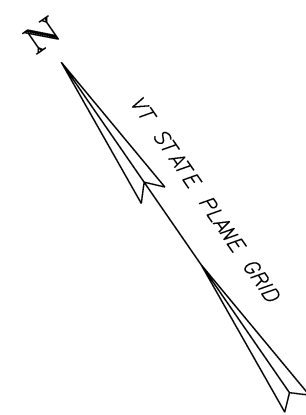
- 649.51 GEOTEXTILE FOR SILT FENCE
- TH 10 STA 11+00.0 - STA 12+24.7 RT (47.7 SY)
- TH 10 STA 12+26.5 - STA 12+34.7 RT (3.5 SY)
- TH 10 STA 12+63.6 - STA 14+67.4 RT (69.7 SY)
- TH 10 STA 13+72.0 - STA 14+54.8 LT (28.0 SY)
- 649.515 GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED
- TH 10 STA 11+00.0 - STA 12+73.2 LT (45.7 SY)
- TH 10 STA 11+87.2 - STA 11+93.4 LT (4.2 SY)
- 653.40 INLET PROTECTION DEVICE, TYPE I
- TH 10 STA 12+12.0 LT (1EA)
- TH 10 STA 12+95.3 RT (1EA)
- TH 10 STA 12+97.0 RT (1EA)
- 653.50 BARRIER FENCE
- TH 10 STA 11+00.0 - STA 12+71.6 LT (183.6 LF)
- 653.55 PROJECT DEMARCATION FENCE
- TH 10 STA 11+00.0 - STA 12+23.7 RT (143.3 LF)
- TH 10 STA 12+26.5 - STA 12+34.6 RT (10.0 LF)
- TH 10 STA 12+67.0 - STA 14+68.8 RT (204.0 LF)
- TH 10 STA 12+86.1 - STA 13+54.7 LT (57.5 LF)
- TH 10 STA 13+72.3 - STA 14+54.8 LT (84.0 LF)
- TH 10 STA 14+74.6 - STA 15+00.0 LT (27.5 LF)
- TH 10 STA 14+81.5 - STA 15+00.0 RT (27.5 LF)

FILE NAME = \$FILES\$
 DATE / TIME = \$DATE\$
 USER = \$USER\$

SCALE 1" = 20' - 0"



EPSC CONSTRUCTION SITE PLAN #3	PROJECT NAME: RUTLAND CITY	PLOT DATE: \$DATE\$
	PROJECT NUMBER: BRF 3000 (19)	DRAWN BY: C. HARDIN
	PROJECT LEADER: M. SARGENT	CHECKED BY: D. GOZALKOWSKI
	DESIGNED BY: C. HARDIN	ROW SHEET 17 OF 20



LEGEND	
(XXX)	SOIL MAP UNIT TYPE (SEE SHEET 2 FOR DETAILS)
.....	SOIL MAP UNIT BOUNDARY
— FLOOD PLAIN —	Q ₁₀₀ FLOODPLAIN BOUNDARY
..... RIPARIAN BUFFER	RIPARIAN BUFFER
-----	SILT FENCE
-----	SILT FENCE (WOVEN WIRE REINFORCED)
- BF - - - - BF - - - - BF -	BARRIER FENCE
-PDF- - - - PDF- - - - PDF-	PROJECT DEMARCATION FENCE
— XXX —	EXISTING MAJOR CONTOUR (10' INTERVAL)
-----	EXISTING MINOR CONTOUR (2' INTERVAL)

649.51 GEOTEXTILE FOR SILT FENCE
 CLEMENT ROAD STA 21+00.0 - STA 22+50.0 LT (52.5 SY)
 649.515 GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED
 CLEMENT ROAD STA 21+00.0 - STA 22+50.0 RT (47.6 SY)
 653.50 BARRIER FENCE
 CLEMENT ROAD STA 21+00.0 - STA 22+50.0 RT (141.5 LF)
 653.55 PROJECT DEMARCATION FENCE
 CLEMENT ROAD STA 21+00.0 - STA 22+50.0 LT (159.6 LF)

FILE NAME = \$FILES\$
 DATE / TIME = \$DATES\$
 USER = \$USERS\$

SCALE 1" = 20'-0"
 20 0 20



EPSC CONSTRUCTION SITE PLAN #4	PROJECT NAME: RUTLAND CITY PROJECT NUMBER: BRF 3000 (19)	PLOT DATE: \$DATE\$ DRAWN BY: C. HARDIN
	PROJECT LEADER: M. SARGENT DESIGNED BY: C. HARDIN	CHECKED BY: D. GOZALKOWSKI ROW SHEET 18 OF 20

GPS CONTROL POINTS

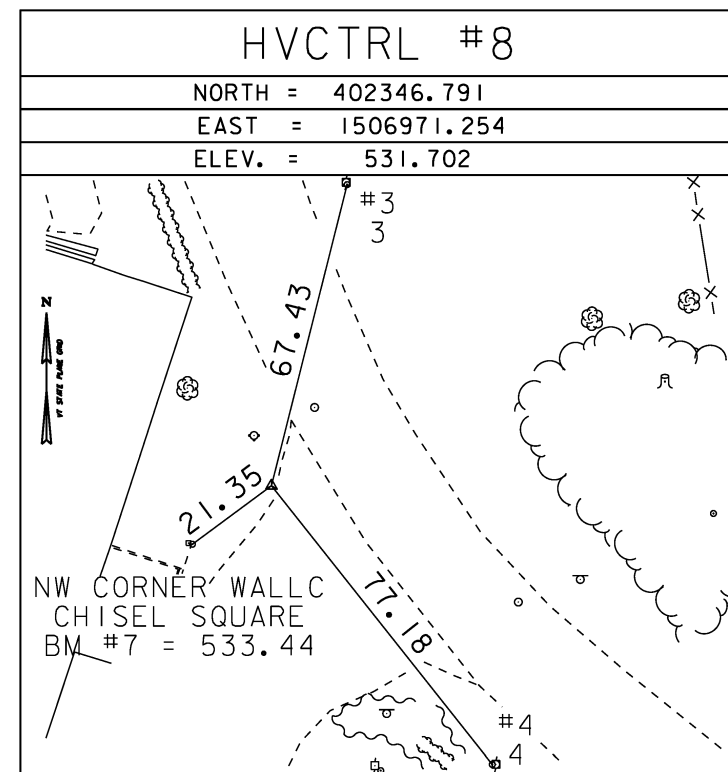
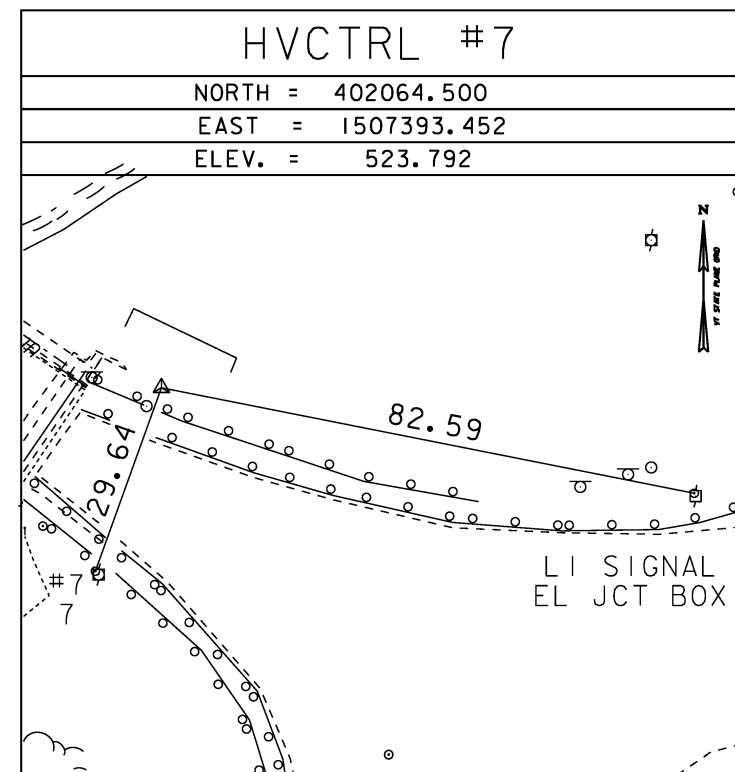
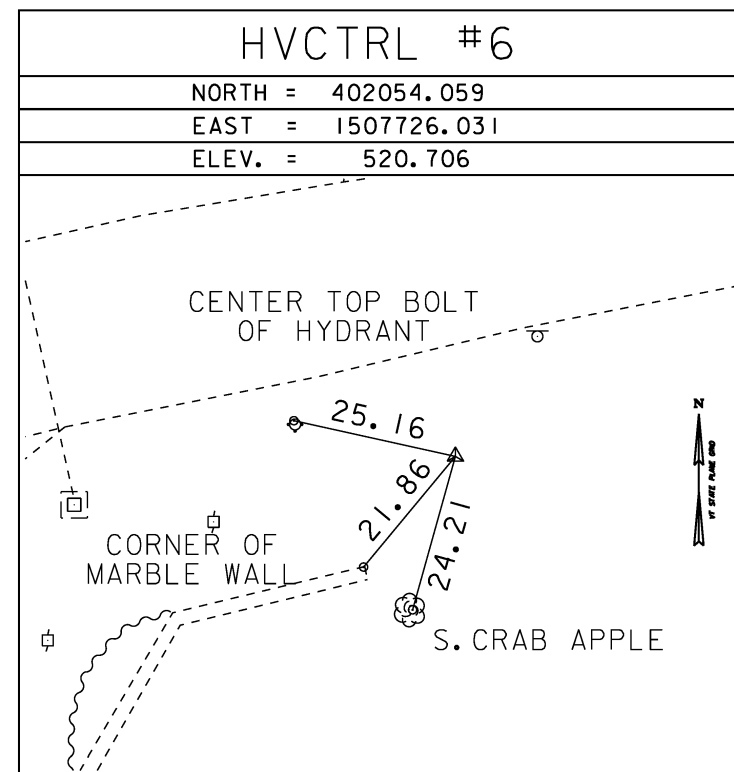
HVCTRL #1
 JUNIOR
 NORTH = 401716.542
 EAST = 1511570.776
 ELEV. = 540.347

GENERAL LOCATION, RUTLAND, VT. TO REACH FROM THE INTERSECTION OF U.S.ROUTE 7 (SOUTH MAIN STREET) AND U.S.ROUTE 4 EAST (WOODSTOCK AVENUE) GO SOUTH ALONG U.S.ROUTE 7 FOR 0.5 MI (0.8 KM) TO THE INTERSECTION OF MADISON STREET RIGHT. TURN RIGHT AND GO WEST ALONG MADISON STREET FOR 0.2 MI (0.3 KM) TO THE INTERSECTION OF STRONGS AVENUE LEFT AND RIGHT AND RIVER STREET STRAIGHT. CONTINUE STRAIGHT AHEAD AND GO WEST ALONG RIVER STREET FOR 0.5 MI (0.8 KM) TO THE INTERSECTION OF MEADOW STREET AND THE SITE OF THE MARK ON THE LEFT IN THE SOUTHWEST QUADRANT OF THE INTERSECTION. IT IS IN A GRASS STRIP BETWEEN THE ROAD AND A CONCRETE SIDEWALK. THE MARK IS SET 2 CM BELOW GROUND SURFACE IN THE TOP OF A 25 CM DIAMETER CONCRETE MONUMENT. IT IS 4.2 M (13.8 FT) SOUTH OF AND ABOUT LEVEL WITH THE CENTERLINE OF RIVER STREET, 27.6 M (90.6 FT) WEST OF THE CENTERLINE OF MEADOW STREET, 15.4 M (50.5 FT) NORTHWEST OF THE NORTHEAST CORNER OF HOUSE NO.79, AND 5.8 M (19.0 FT) EAST OF POLE NO.25/133T/20 AND A FIBERGLASS WITNESS POST.

HVCTRL #2
 JUNIOR AZ MK
 NORTH = 401611.277
 EAST = 1509784.848
 ELEV. = 530.330

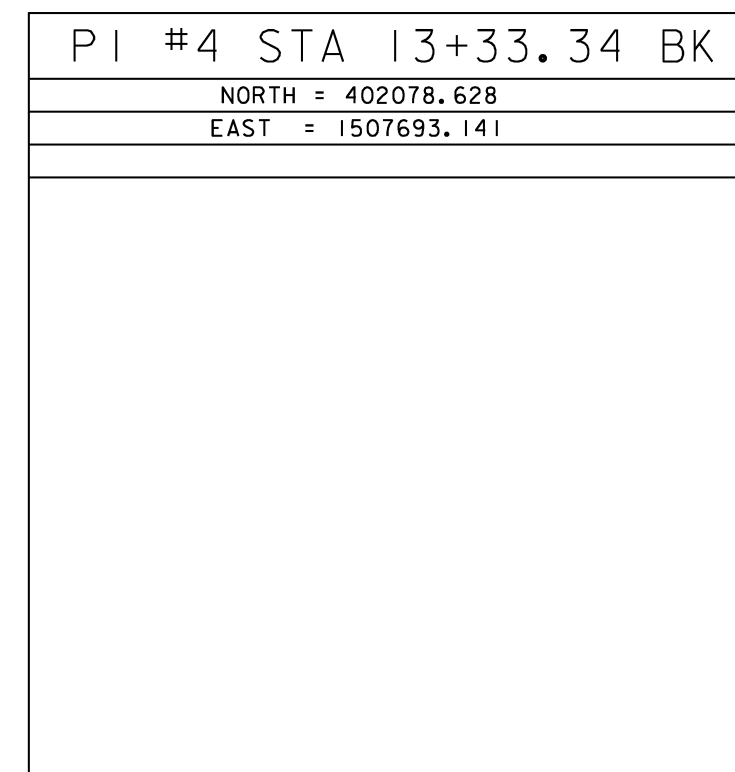
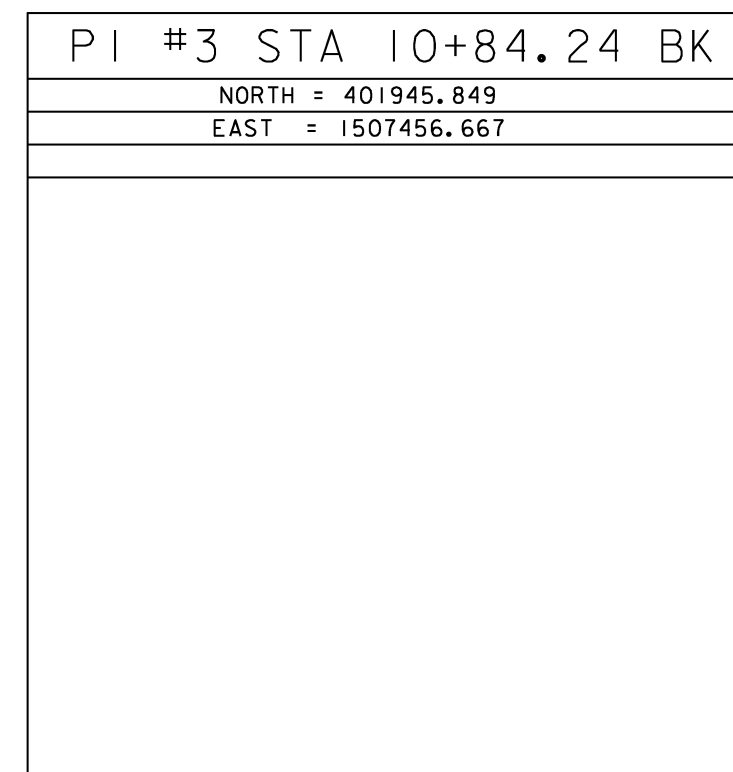
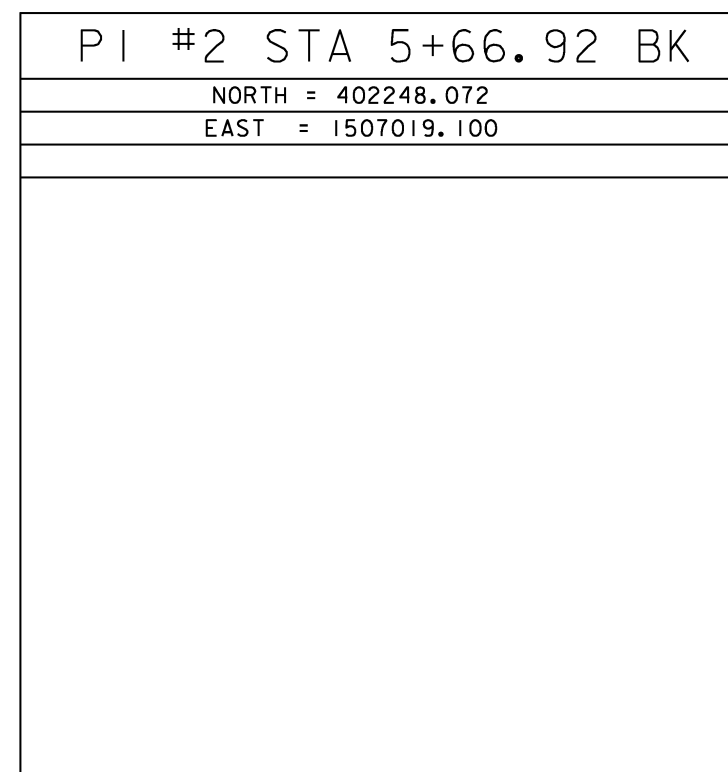
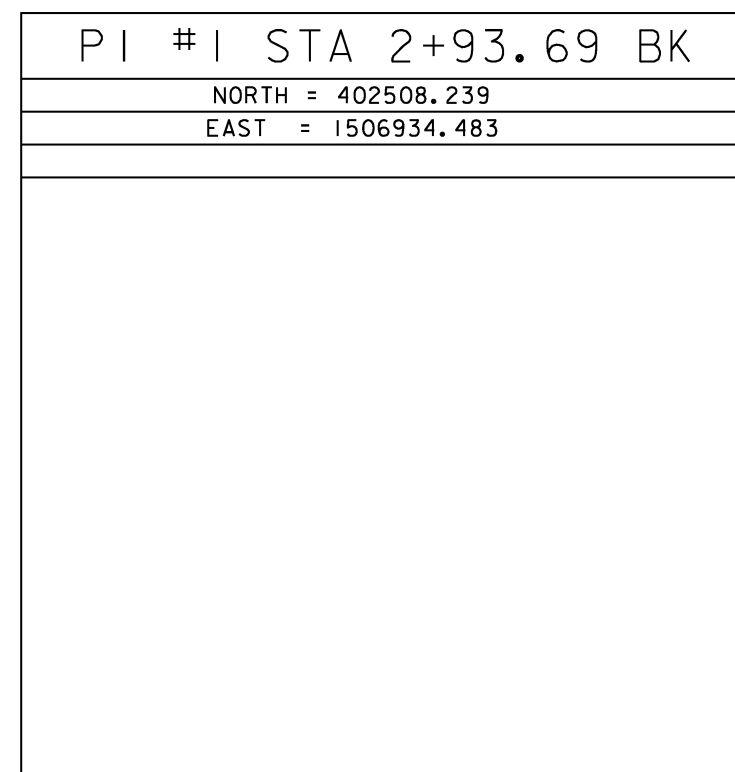
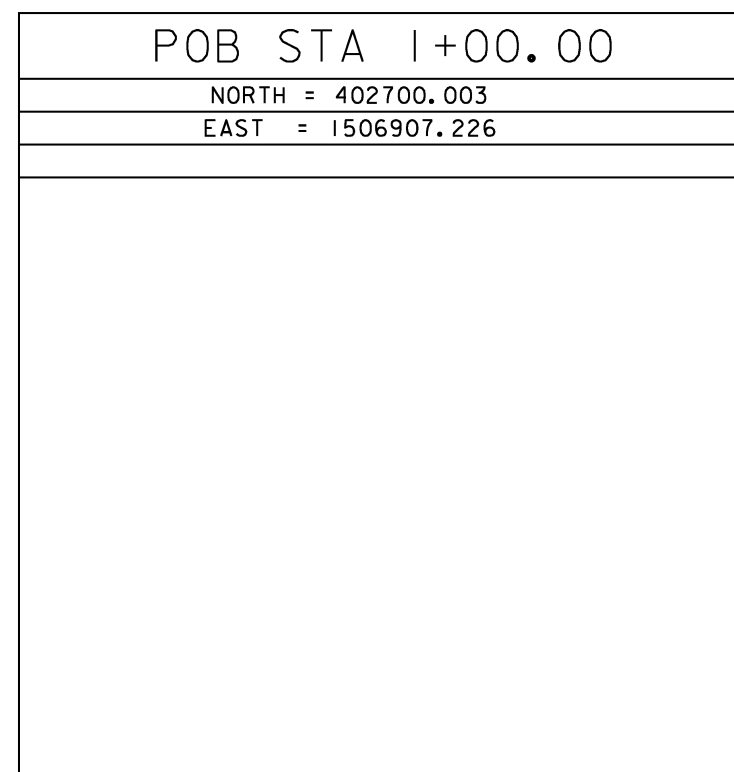
GENERAL LOCATION, RUTLAND, VT. TO REACH FROM THE INTERSECTION OF U.S.ROUTE 7 (SOUTH MAIN STREET) AND U.S.ROUTE 4 EAST (WOODSTOCK AVENUE) GO SOUTH ALONG U.S.ROUTE 7 FOR 0.5 MI (0.8 KM) TO THE INTERSECTION OF MADISON STREET RIGHT. TURN RIGHT AND GO WEST ALONG MADISON STREET FOR 0.2 MI (0.3 KM) TO THE INTERSECTION OF STRONGS AVENUE LEFT AND RIGHT AND RIVER STREET STRAIGHT. CONTINUE STRAIGHT AHEAD AND GO WEST ALONG RIVER STREET FOR 0.5 MI (0.8 KM) TO THE INTERSECTION OF MEADOW STREET. CONTINUE STRAIGHT AHEAD AND GO WEST ALONG RIVER STREET FOR 0.4 MI (0.6 KM) TO THE T- INTERSECTION OF DORR DRIVE AND THE SITE OF THE MARK STRAIGHT AHEAD. THE MARK IS SET 5 CM BELOW GROUND SURFACE IN THE TOP OF A 25 CM DIAMETER CONCRETE MONUMENT. IT IS 7.2 M (23.6 FT) NORTH NORTHWEST OF AND ABOUT LEVEL WITH THE CENTERLINE INTERSECTION OF RIVER STREET AND DORR DRIVE, 20.4 M (66.9 FT) NORTHWEST OF A POLE, 24.7 M (81.0 FT) SOUTH OF POLE NO.37, AND 0.6 M (2.0 FT) EAST NORTHEAST OF POLE NO.133T/32 AND A FIBERGLASS WITNESS POST.

TRAVERSE TIES



* Main Traverse Completed 2/10/09 by L.Orvis & R.Bockus

ALIGNMENT TIES



DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83(92)
ADJUSTMENT	Compass



TIE SHEET #1

PROJECT NAME: RUTLAND CITY	PLOT DATE: \$DATE\$
PROJECT NUMBER: BRF 3000 (19)	DRAWN BY: C. HARDIN
PROJECT LEADER: M. SARGENT	CHECKED BY: D. GOZALKOWSKI
DESIGNED BY: C. HARDIN	ROW SHEET 19 OF 1020
DWG. NO.:	

ALIGNMENT TIES

POE STA 16+00.00
NORTH = 402127.109
EAST = 1507956.583

ALIGNMENT TIES

POB STA 20+00.00
NORTH = 401978.820
EAST = 1507432.678

PI #5 STA 21+48.67 BK
NORTH = 401833.102
EAST = 1507403.191

PI #6 STA 22+69.71 BK
NORTH = 401737.062
EAST = 1507323.326

POE STA 23+00.00
NORTH = 401716.007
EAST = 1507301.475

FILE NAME = \$FILE\$
DATE/TIME = \$DATE\$
USER = \$USER\$

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83(92)
ADJUSTMENT	Compass



TIE SHEET #2

PROJECT NAME: RUTLAND CITY	PLOT DATE: \$DATE\$
PROJECT NUMBER: BRF 3000 (19)	DRAWN BY: C. HARDIN
PROJECT LEADER: M. SARGENT	CHECKED BY: D. GOZALKOWSKI
DESIGNED BY: C. HARDIN	DWG. NO.:
DWG. NO.:	ROW SHEET 20 OF 1020