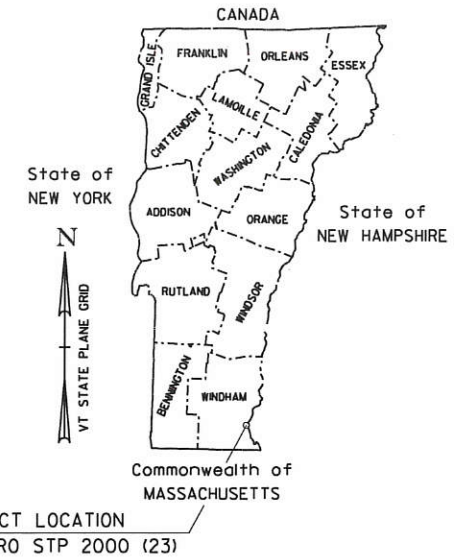
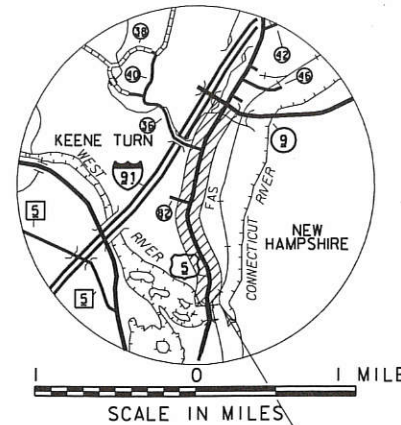


STATE OF VERMONT AGENCY OF TRANSPORTATION



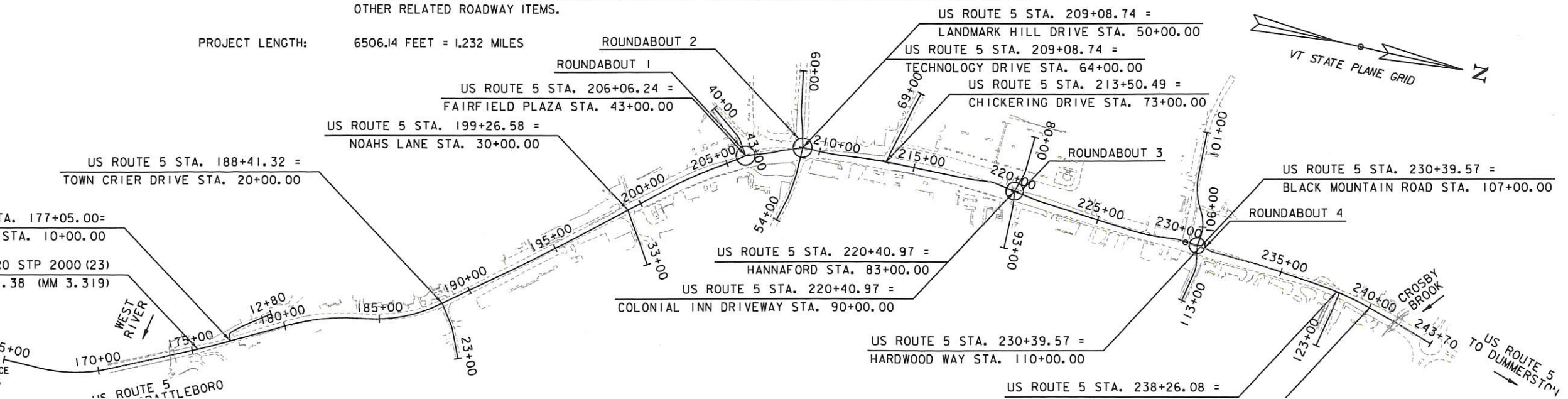
PROPOSED IMPROVEMENT TOWN OF BRATTLEBORO WINDHAM COUNTY US ROUTE 5 (MINOR ARTERIAL) (NHS)

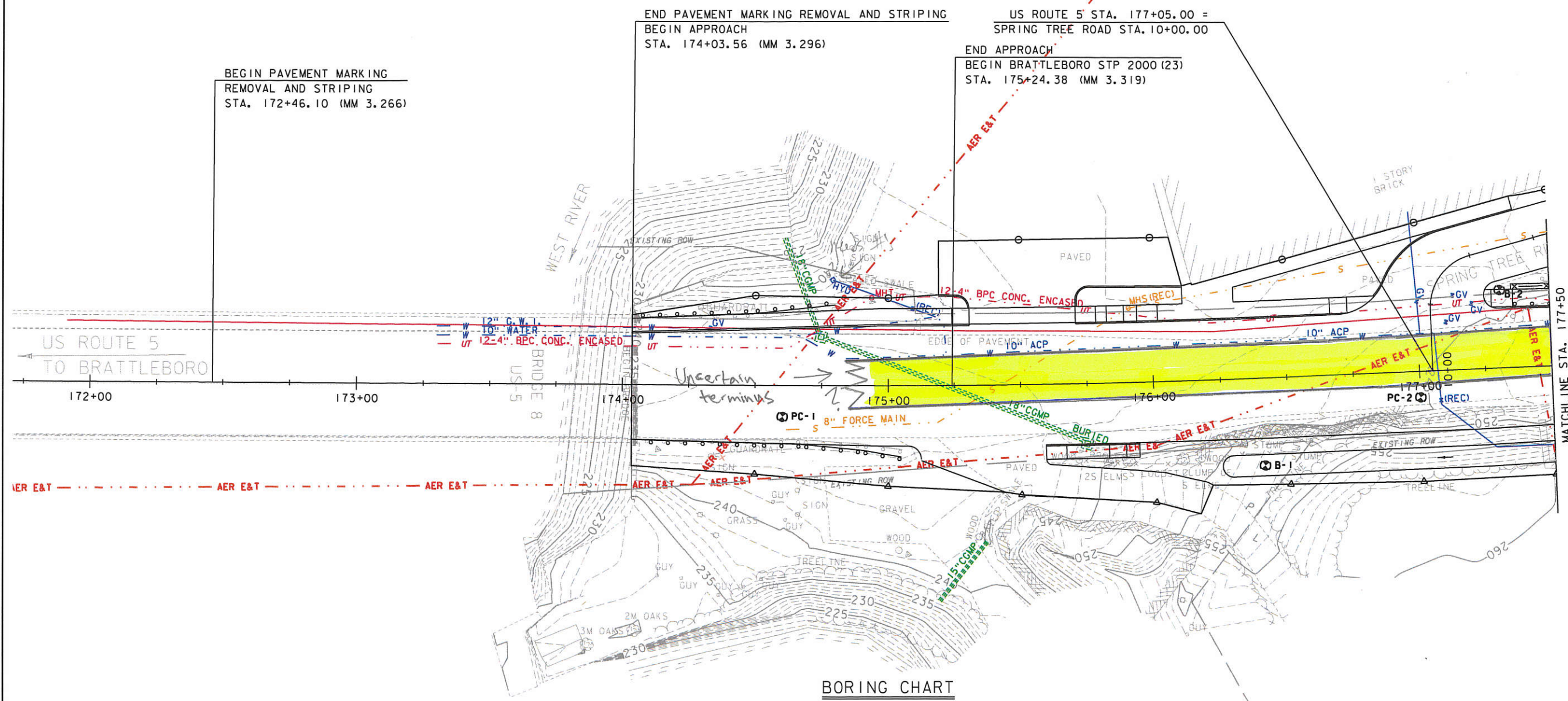
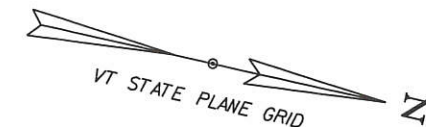


PROJECT LOCATION: BEGINNING AT A POINT IN THE TOWN OF BRATTLEBORO, ON US ROUTE 5, AT APPROXIMATELY 3.319 MILES FROM THE GUILFORD, BRATTLEBORO TOWN LINE AND EXTENDING NORTHERLY APPROXIMATELY 1.232 MILES TO APPROXIMATE MILE MARKER 4.551 (BRIDGE).

PROJECT INFORMATION: WORK TO BE PERFORMED UNDER THIS PROJECT CONSISTS OF FULL DEPTH RECONSTRUCTION OF THE ROADWAY, CONSTRUCTION OF FOUR ROUNDABOUTS, RETAINING WALL STRUCTURES, DRAINAGE, LANDSCAPING, SIDEWALKS AND OTHER RELATED ROADWAY ITEMS.

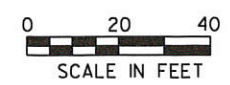
PROJECT LENGTH: 6506.14 FEET = 1.232 MILES





BORING CHART

HOLE NO.	STATION	OFFSET (FT)	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
PC-1	STA. 174+60	11.67 RT	133777.83	1625266.89	243.53
B-1	STA. 176+40	32.60 RT	133959.07	1625244.94	252.33
PC-2	STA. 177+00	9.65 RT	134010.59	1625207.36	244.91
B-2	STA. 177+31	29.21 LT	134030.75	1625161.73	243.27

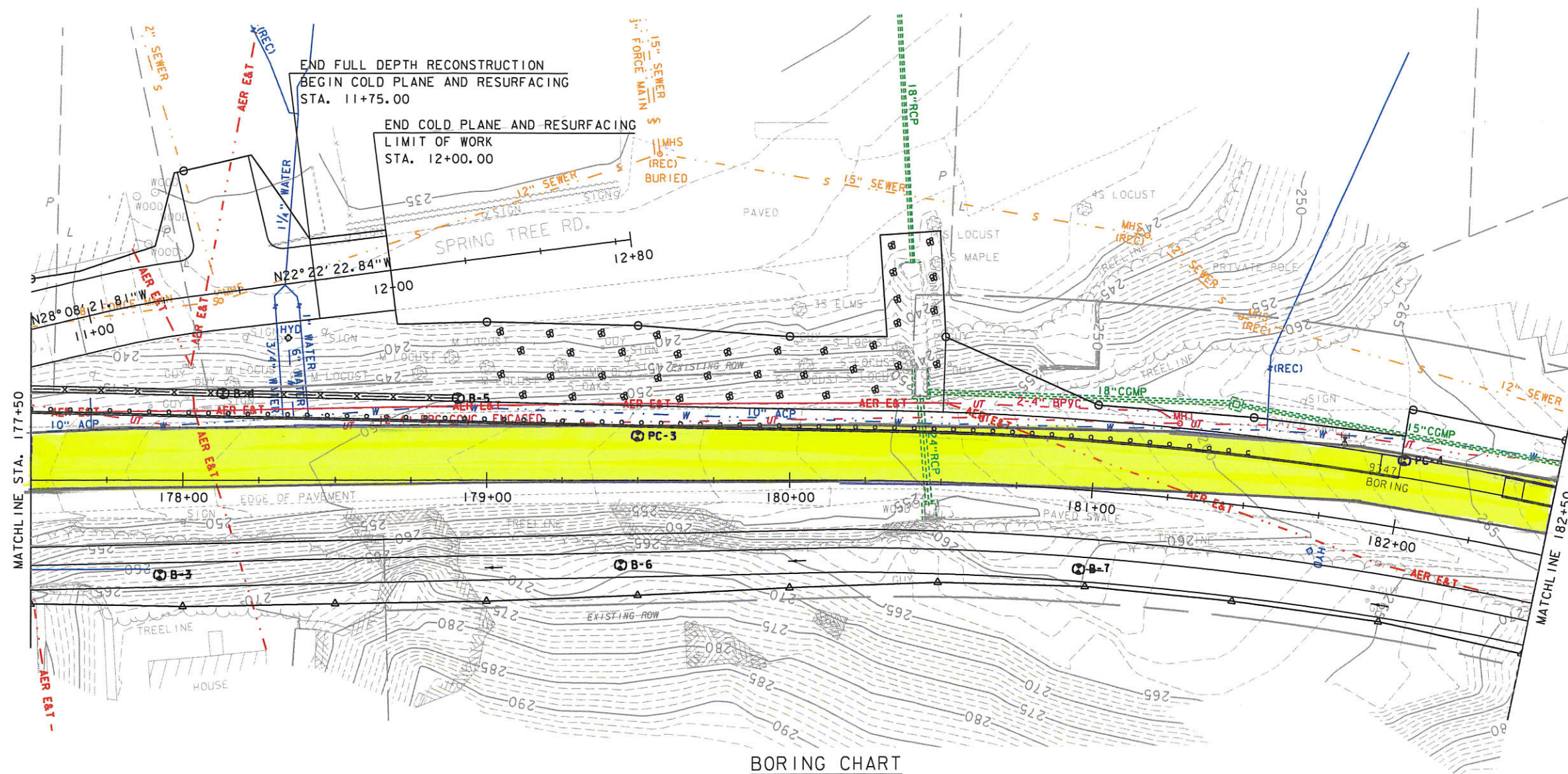
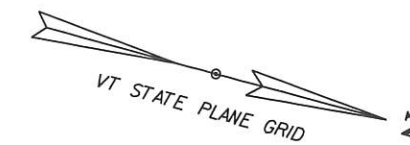


SCALE IN FEET
GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS

PROJECT NAME: BRATTLEBORO
PROJECT NUMBER: STP 2000(23)

FILE NAME: z84d030bor.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: T. BIGELOW
BORING PLAN SHEET 1

PLOT DATE: 5/3/2018
DRAWN BY: I. KHALID
CHECKED BY: E. ATKINS
SHEET 1 OF 14



BORING CHART

HOLE NO.	STATION	OFFSET (FT)	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
B-3	STA. 177+92	31.02 RT	134105.41	1625204.05	261.57
B-4	STA. 178+13	28.60 LT	134109.87	1625141.12	246.00
B-5	STA. 178+91	26.85 LT	134185.18	1625122.73	249.46
B-6	STA. 179+44	27.71 RT	134251.22	1625161.50	269.27
PC-3	STA. 179+50	14.66 LT	134245.73	1625119.10	252.25
B-7	STA. 180+97	25.98 RT	134397.50	1625123.67	259.77
PC-4	STA. 182+00	22.11 LT	134491.80	1625061.52	263.70

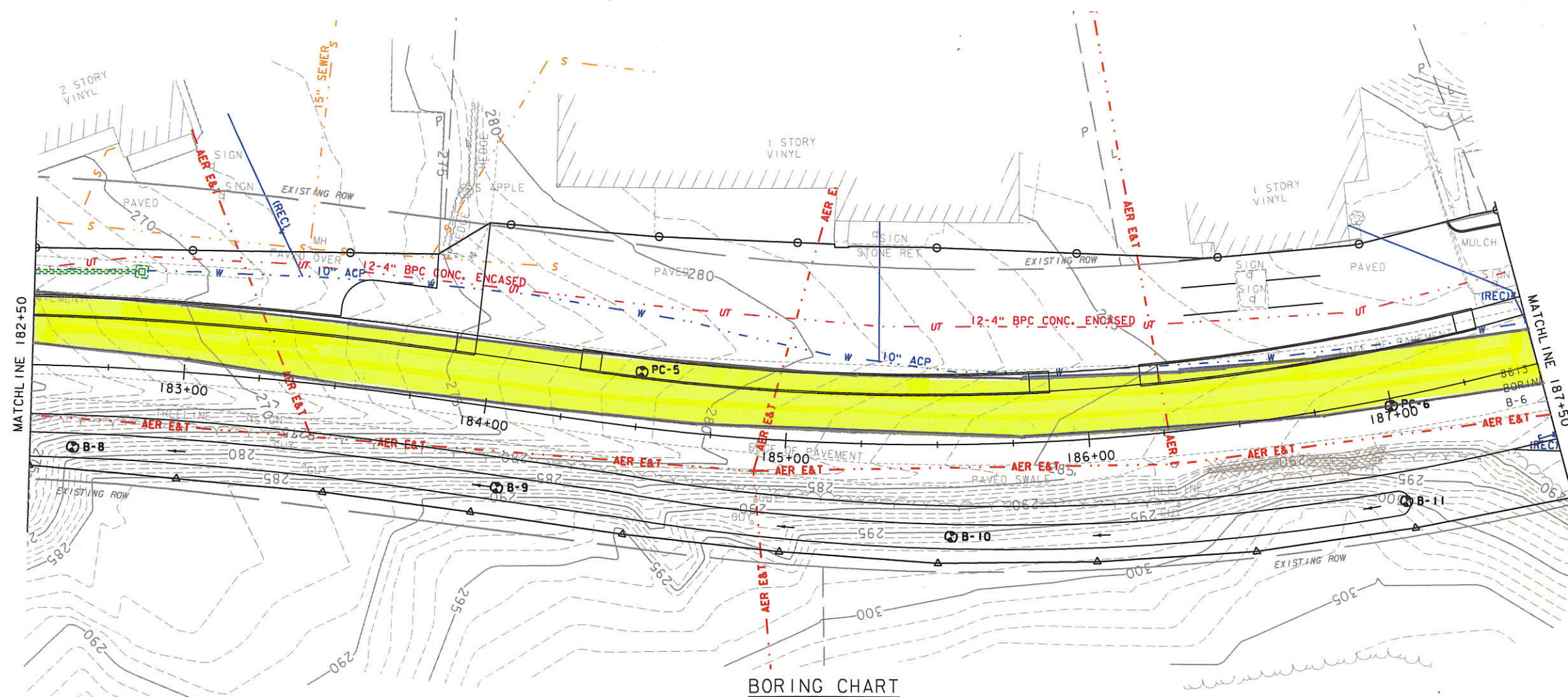
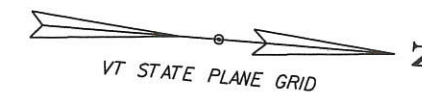
0 20 40
SCALE IN FEET

GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS

PROJECT NAME: BRATTLEBORO
PROJECT NUMBER: STP 2000(23)

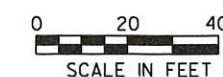
FILE NAME: z84d030bor.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: T. BIGELOW
BORING PLAN SHEET 2

PLOT DATE: 5/3/2018
DRAWN BY: I. KHALID
CHECKED BY: E. ATKINS
SHEET 2 OF 14



BORING CHART

HOLE NO.	STATION	OFFSET (FT)	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
B-8	STA. 182+64	26.51 RT	134559.44	1625105.46	277.48
B-9	STA. 184+07	25.98 RT	134699.76	1625107.33	287.65
PC-5	STA. 184+50	18.24 LT	134744.46	1625065.46	278.35
B-10	STA. 185+54	30.05 RT	134850.73	1625110.89	295.87
PC-6	STA. 187+00	2.50 RT	134991.63	1625056.41	287.45
B-11	STA. 186+99	33.97 RT	134999.22	1625086.97	300.00

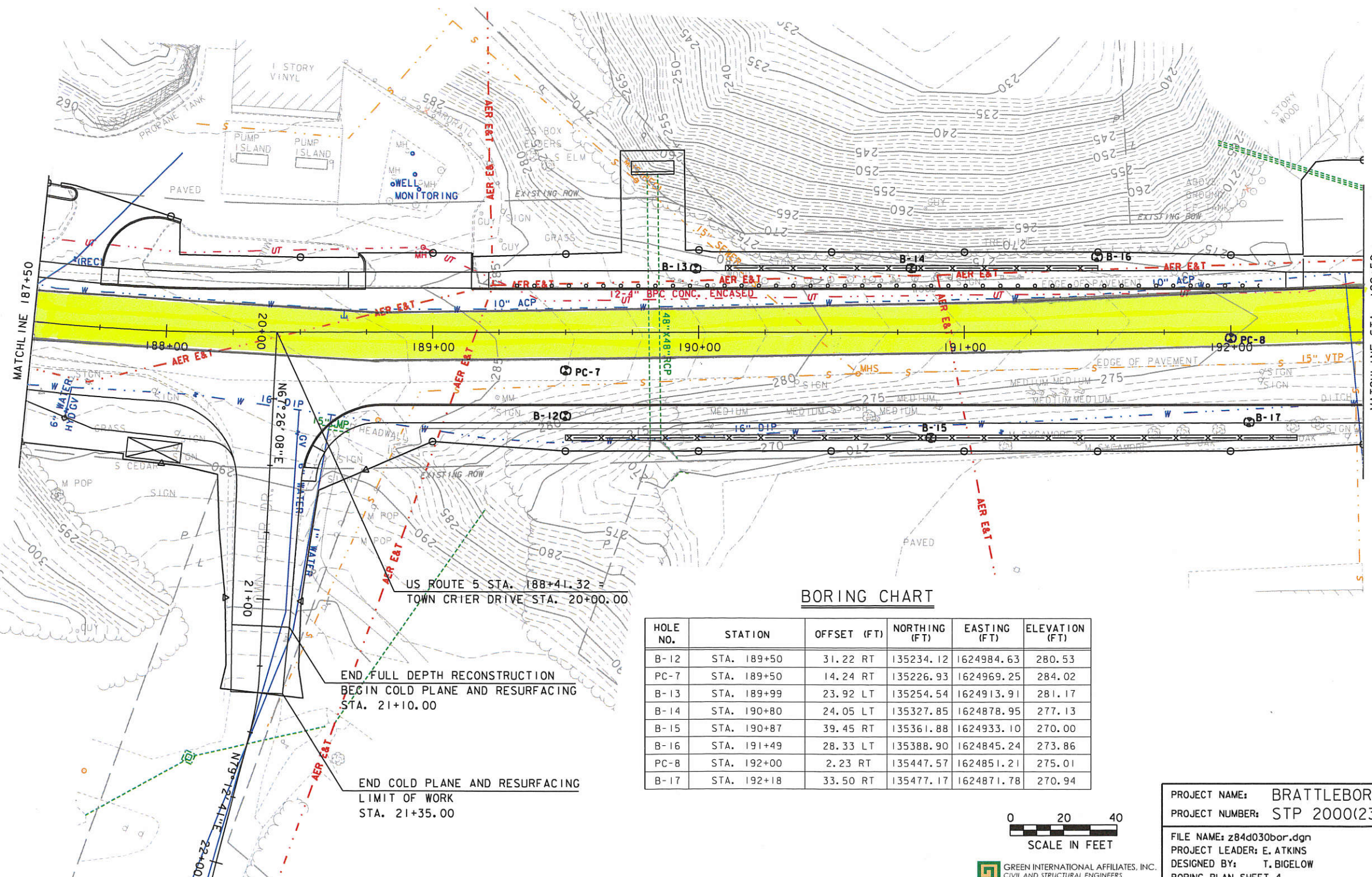
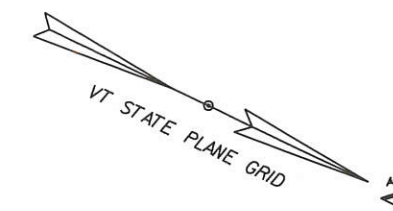


GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS

PROJECT NAME: BRATTLEBORO
PROJECT NUMBER: STP 2000(23)

FILE NAME: z84d030bor.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: T. BIGELOW
BORING PLAN SHEET 3

PLOT DATE: 5/3/2018
DRAWN BY: I. KHALID
CHECKED BY: E. ATKINS
SHEET 3 OF 14



BORING CHART

HOLE NO.	STATION	OFFSET (FT)	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
B-12	STA. 189+50	31.22 RT	135234.12	1624984.63	280.53
PC-7	STA. 189+50	14.24 RT	135226.93	1624969.25	284.02
B-13	STA. 189+99	23.92 LT	135254.54	1624913.91	281.17
B-14	STA. 190+80	24.05 LT	135327.85	1624878.95	277.13
B-15	STA. 190+87	39.45 RT	135361.88	1624933.10	270.00
B-16	STA. 191+49	28.33 LT	135388.90	1624845.24	273.86
PC-8	STA. 192+00	2.23 RT	135447.57	1624851.21	275.01
B-17	STA. 192+18	33.50 RT	135477.17	1624871.78	270.94

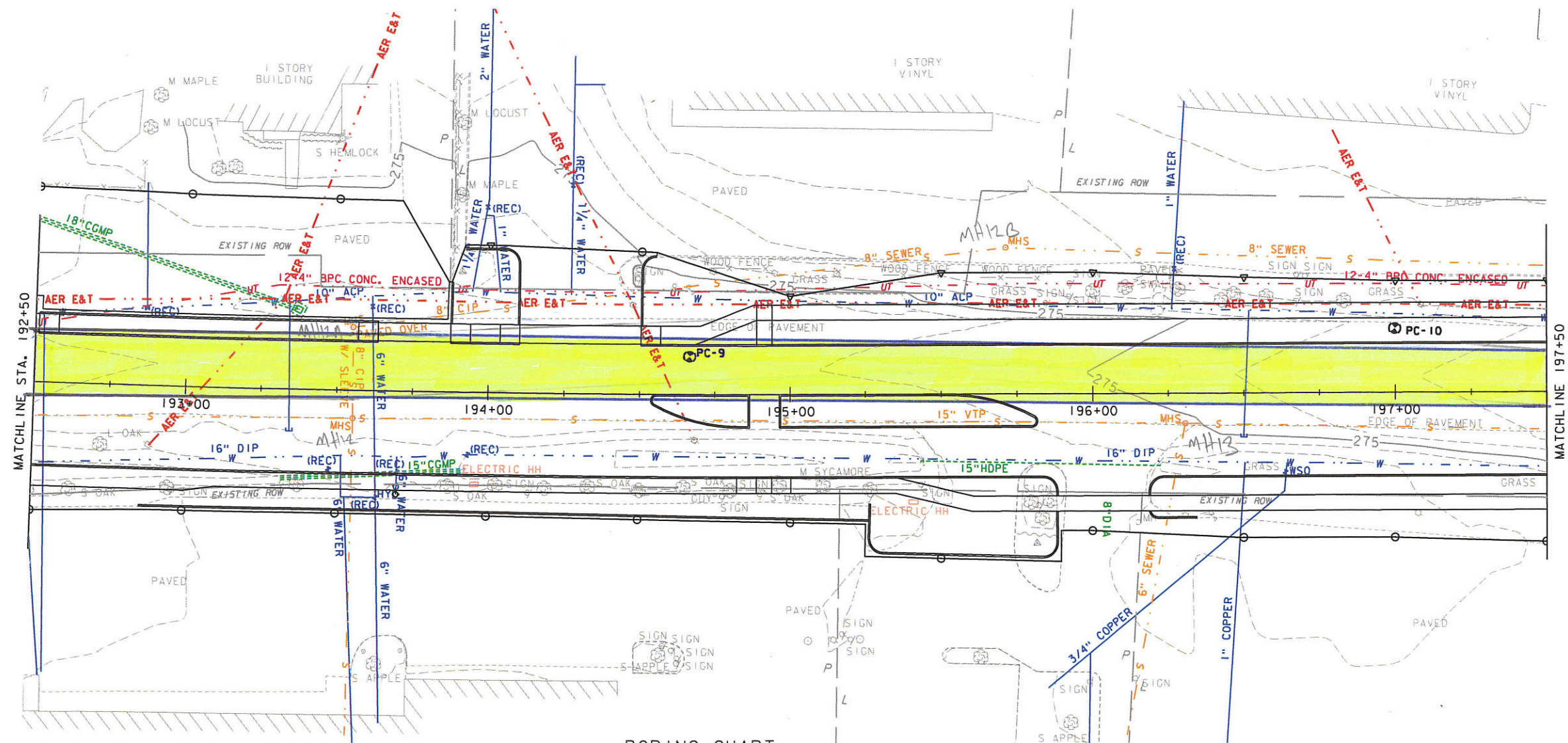
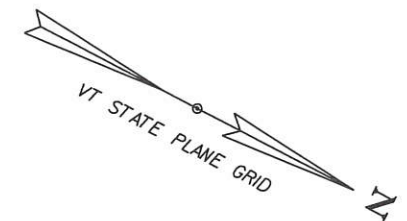


GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS

PROJECT NAME: BRATTLEBORO
PROJECT NUMBER: STP 2000(23)

FILE NAME: z84d030bor.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: T. BIGELOW
BORING PLAN SHEET 4

PLOT DATE: 5/3/2018
DRAWN BY: I. KHALID
CHECKED BY: E. ATKINS
SHEET 4 OF 14



BORING CHART

HOLE NO.	STATION	OFFSET (FT)	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
PC-9	STA. 194+67	12.49 LT	135680.24	1624720.75	273.82
PC-10	STA. 197+00	21.12 LT	135882.91	1624605.08	276.31

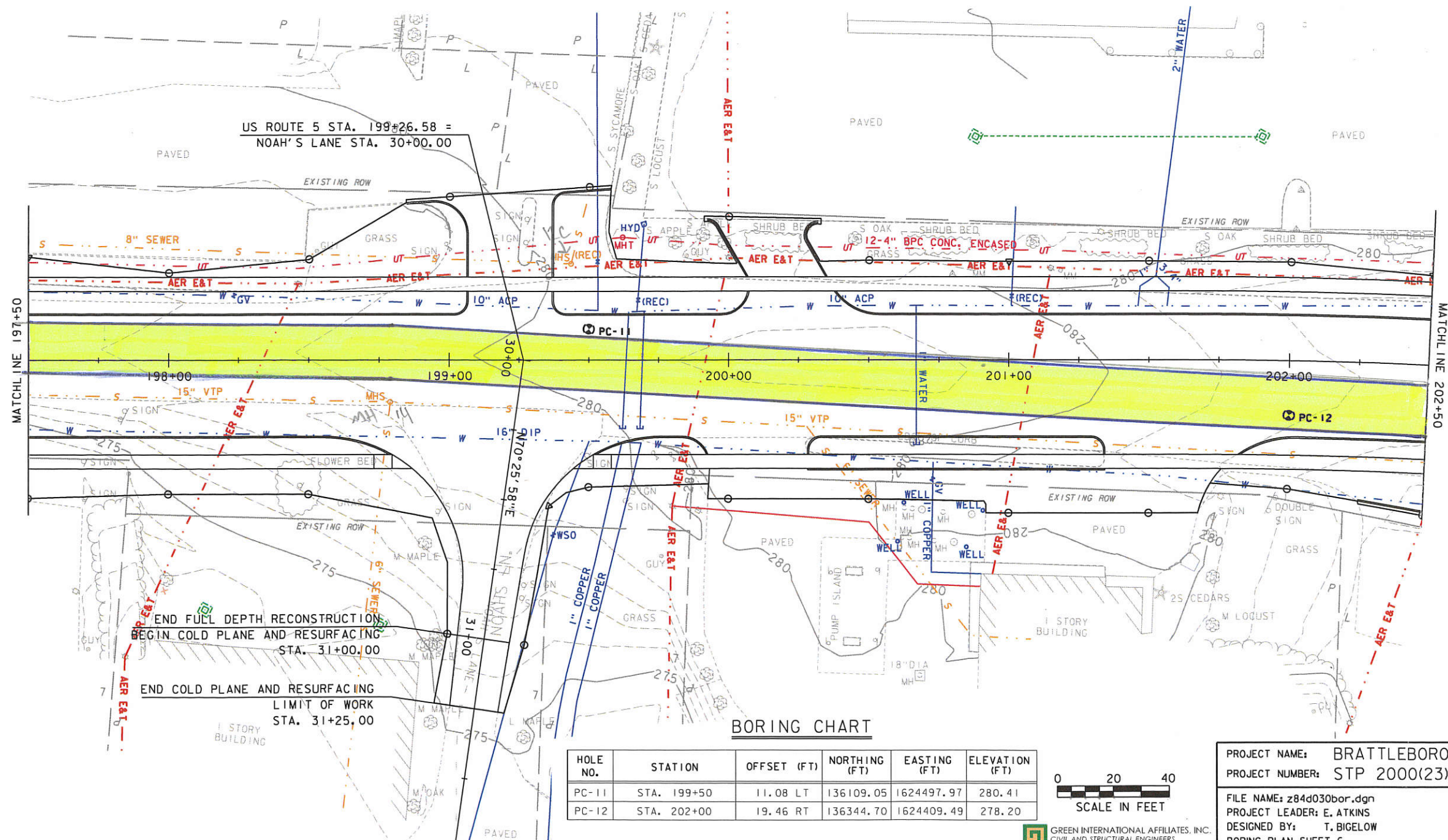
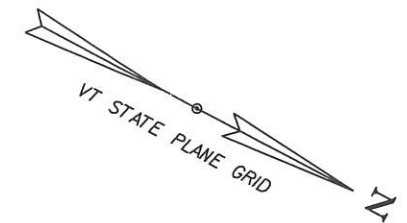


SCALE IN FEET
GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS

PROJECT NAME: BRATTLEBORO
PROJECT NUMBER: STP 2000(23)

FILE NAME: z84d030bor.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: T. BIGELOW
BORING PLAN SHEET 5

PLOT DATE: 5/3/2018
DRAWN BY: I. KHALID
CHECKED BY: E. ATKINS
SHEET 5 OF 14



BORING CHART

HOLE NO.	STATION	OFFSET (FT)	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
PC-11	STA. 199+50	11.08 LT	136109.05	1624497.97	280.41
PC-12	STA. 202+00	19.46 RT	136344.70	1624409.49	278.20



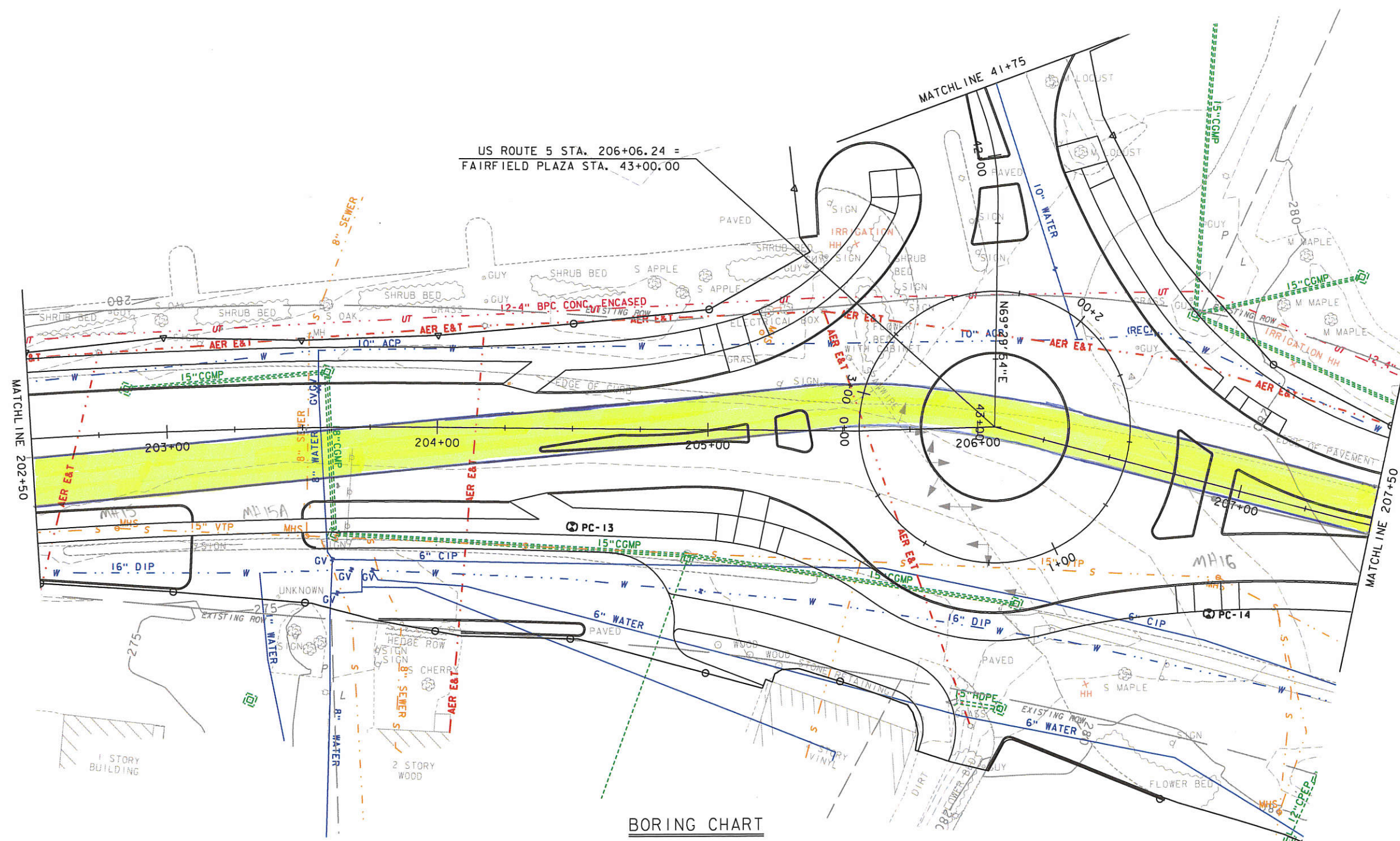
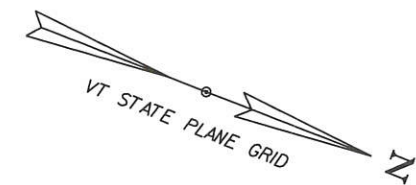
SCALE IN FEET

GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS

PROJECT NAME: BRATTLEBORO
PROJECT NUMBER: STP 2000(23)

FILE NAME: z84d030bor.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: T. BIGELOW
BORING PLAN SHEET 6

PLOT DATE: 5/3/2018
DRAWN BY: I. KHALID
CHECKED BY: E. ATKINS
SHEET 6 OF 14



BORING CHART

HOLE NO.	STATION	OFFSET (FT)	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
PC-13	STA. 204+50	36.09 RT	136578.90	1624327.99	276.32
PC-14	STA. 207+00	46.35 RT	136578.90	1624327.99	278.20

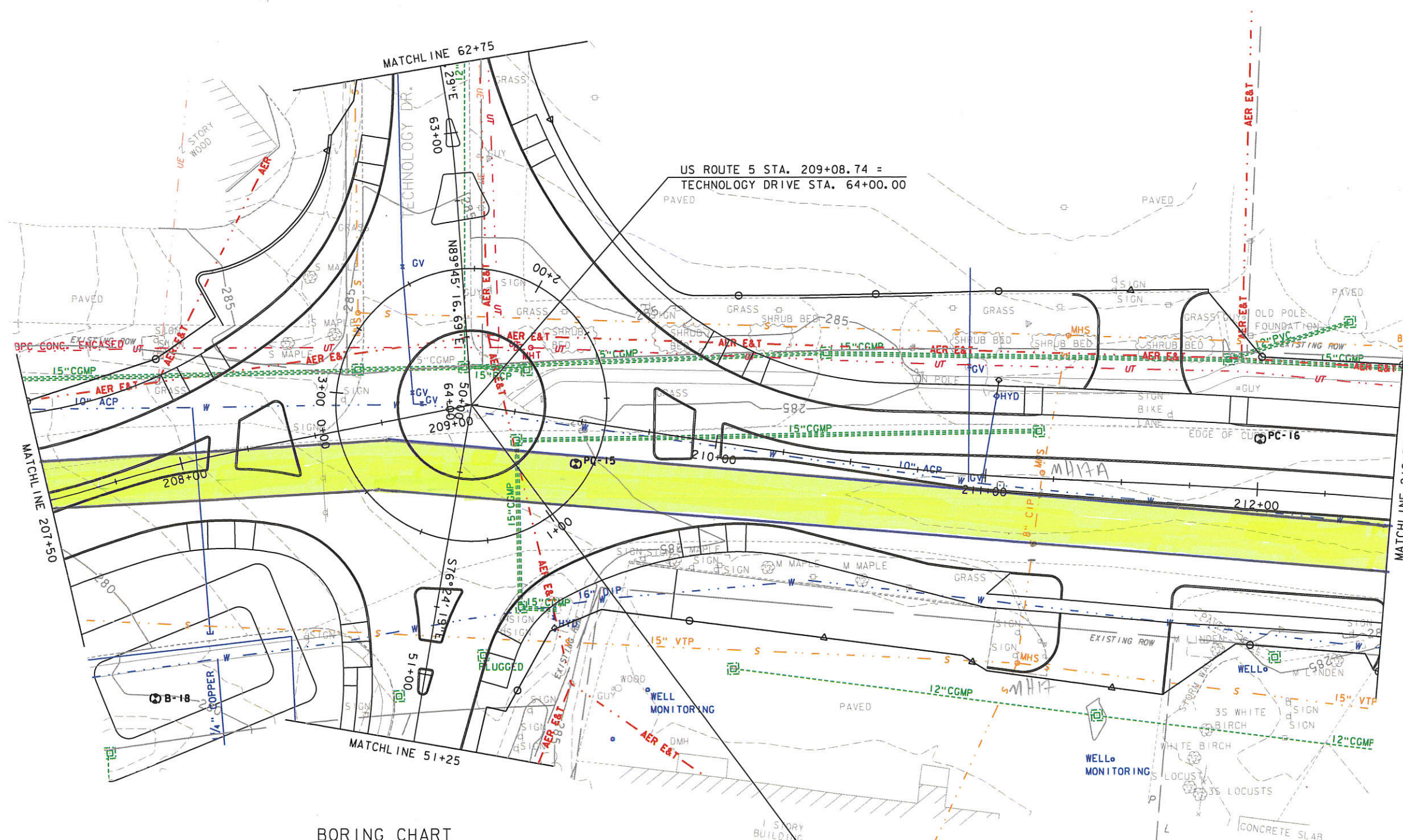
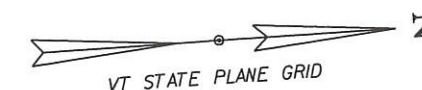


GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS

PROJECT NAME: BRATTLEBORO
PROJECT NUMBER: STP 2000(23)

FILE NAME: z84d030bor.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: T. BIGELOW
BORING PLAN SHEET 7

PLOT DATE: 5/3/2018
DRAWN BY: I. KHALID
CHECKED BY: E. ATKINS
SHEET 7 OF 14



BORING CHART

HOLE NO.	STATION	OFFSET (FT)	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
B-18	STA. 207+65	79.96 RT	136887.65	1624295.28	279.87
PC-15	STA. 209+50	15.52 RT	137047.80	1624220.28	284.85
PC-16	STA. 207+65	18.52 LT	137299.56	1624228.46	285.50

US ROUTE 5 STA. 209+08.74 =
LANDMARK HILL DRIVE STA. 50+00.00

0 20 40
SCALE IN FEET

GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS

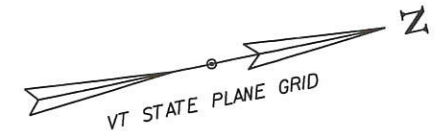
PROJECT NAME: BRATTLEBORO
PROJECT NUMBER: STP 2000(23)

FILE NAME: z84d030bor.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: T. BIGELOW
BORING PLAN SHEET 8

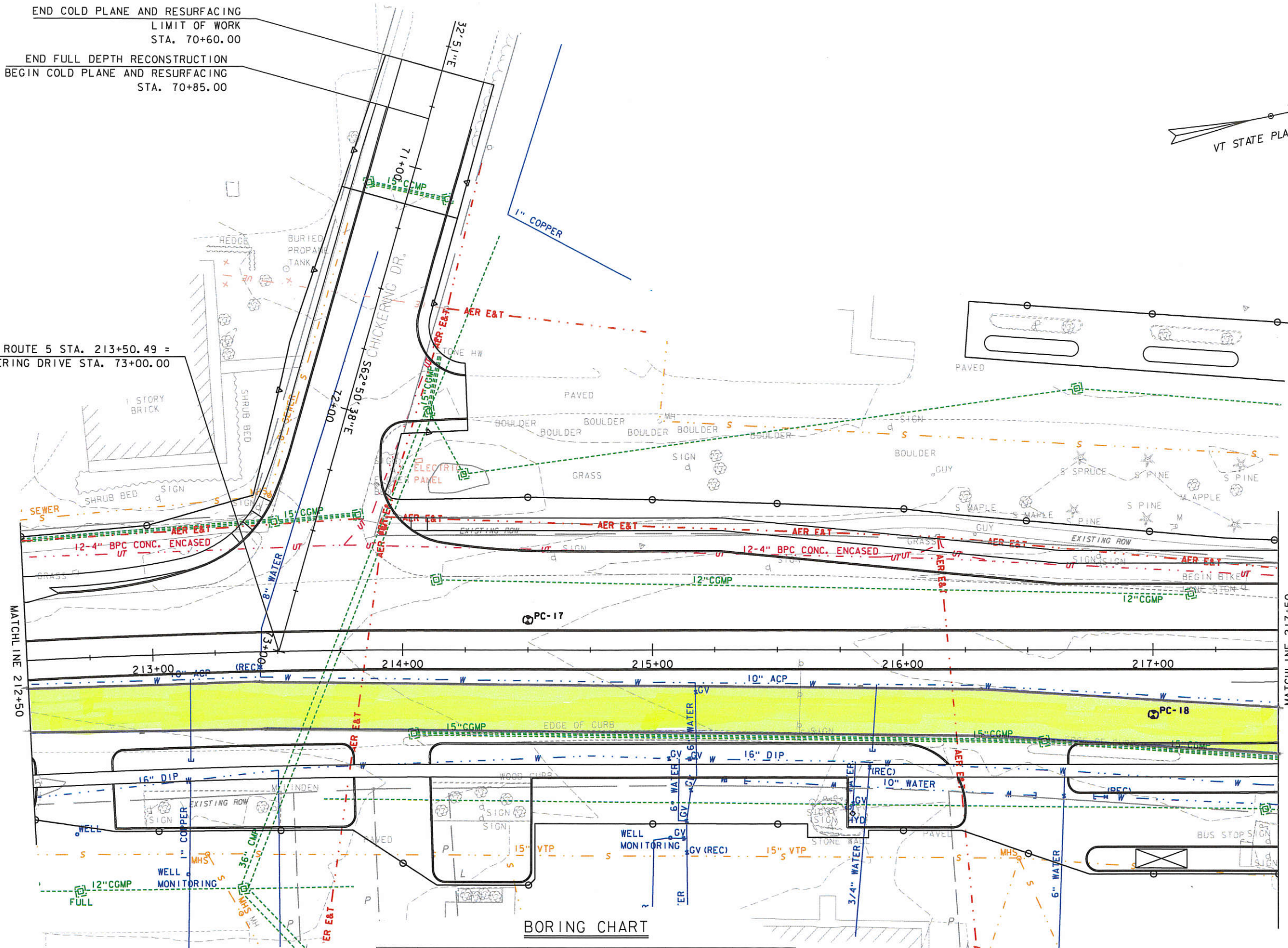
PLOT DATE: 5/3/2018
DRAWN BY: I. KHALID
CHECKED BY: E. ATKINS
SHEET 8 OF 14

END COLD PLANE AND RESURFACING
LIMIT OF WORK
STA. 70+60.00

END FULL DEPTH RECONSTRUCTION
BEGIN COLD PLANE AND RESURFACING
STA. 70+85.00



US ROUTE 5 STA. 213+50.49 =
CHICKERING DRIVE STA. 73+00.00



BORING CHART

HOLE NO.	STATION	OFFSET (FT)	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
PC-17	STA. 214+50	11.95 LT	137545.85	1624277.80	287.82
PC-18	STA. 217+00	25.86 RT	137783.49	1624364.82	288.82

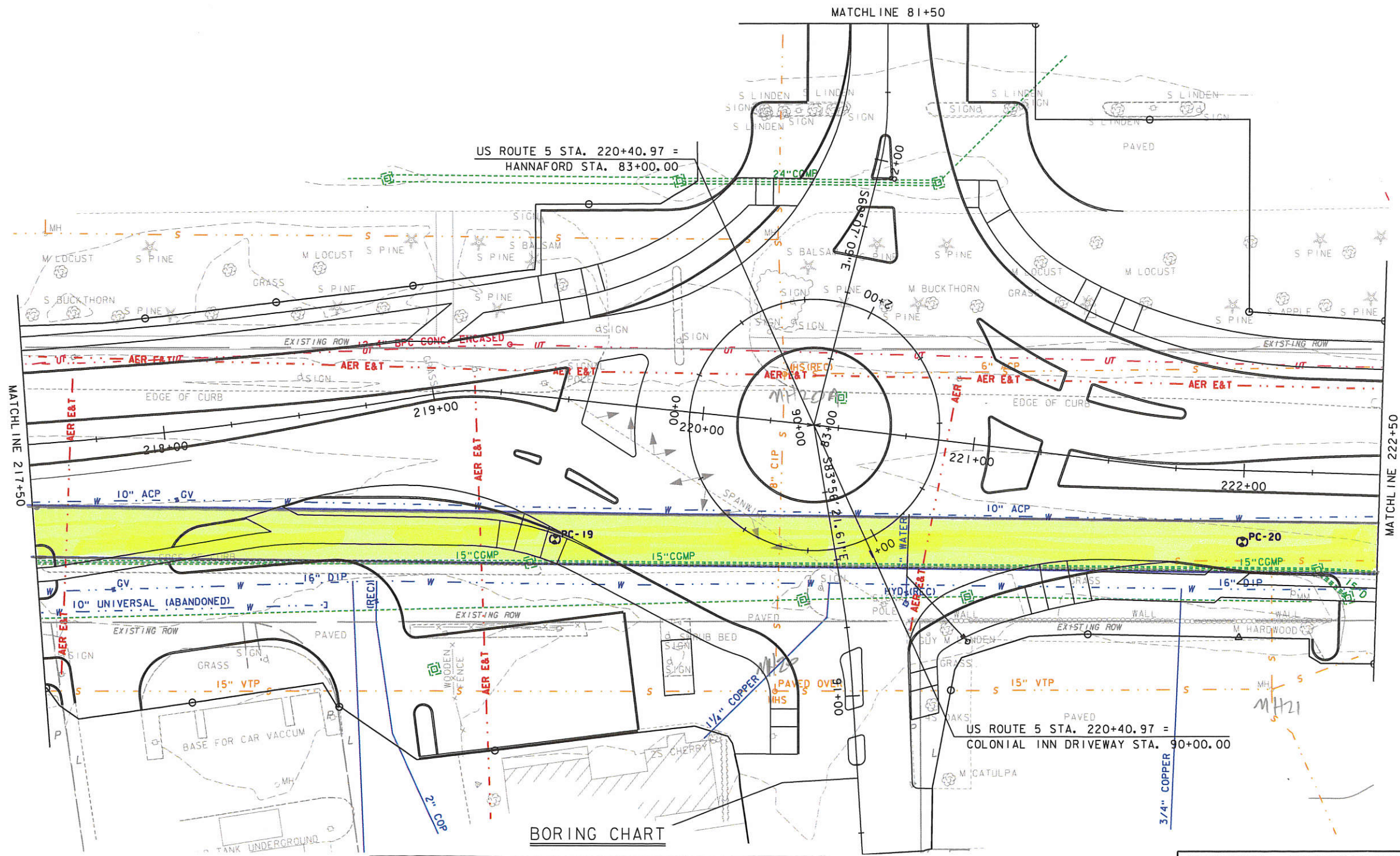
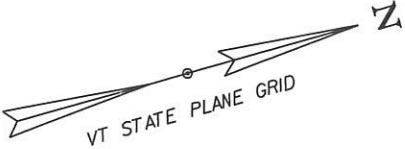


GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS

PROJECT NAME: BRATTLEBORO
PROJECT NUMBER: STP 2000(23)

FILE NAME: z84d030bor.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: T. BIGELOW
BORING PLAN SHEET 9

PLOT DATE: 5/3/2018
DRAWN BY: I. KHALID
CHECKED BY: E. ATKINS
SHEET 9 OF 14

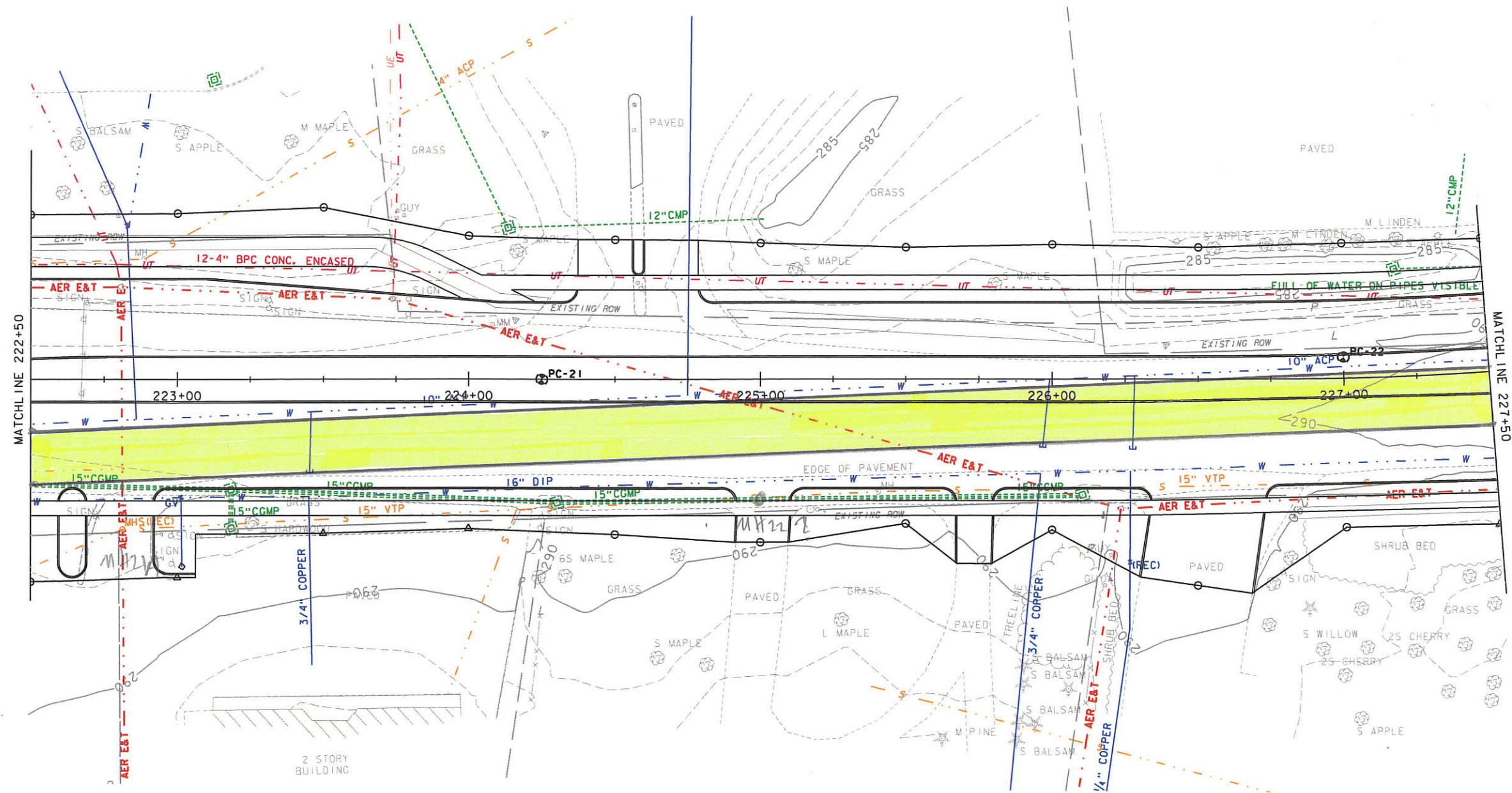
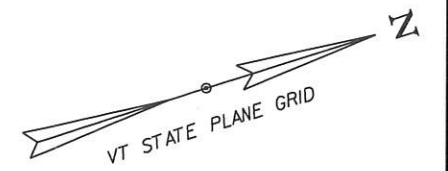


HOLE NO.	STATION	OFFSET (FT)	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
PC-19	STA. 219+50	51.35 RT	138014.55	1624434.93	288.57
PC-20	STA. 222+00	26.05 RT	138257.76	1624504.37	288.89



GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS

PROJECT NAME:	BRATTLEBORO	PLOT DATE:	5/3/2018
PROJECT NUMBER:	STP 2000(23)	DRAWN BY:	I. KHALID
FILE NAME:	z84d030bor.dgn	CHECKED BY:	E. ATKINS
PROJECT LEADER:	E. ATKINS	BORING PLAN SHEET 10	SHEET 10 OF 14
DESIGNED BY:	T. BIGELOW		



BORING CHART

HOLE NO.	STATION	OFFSET (FT)	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
PC-21	STA. 225+25	0.02 LT	138480.03	1624546.97	289.33
PC-22	STA. 227+00	7.31 LT	138744.45	1624622.23	289.80

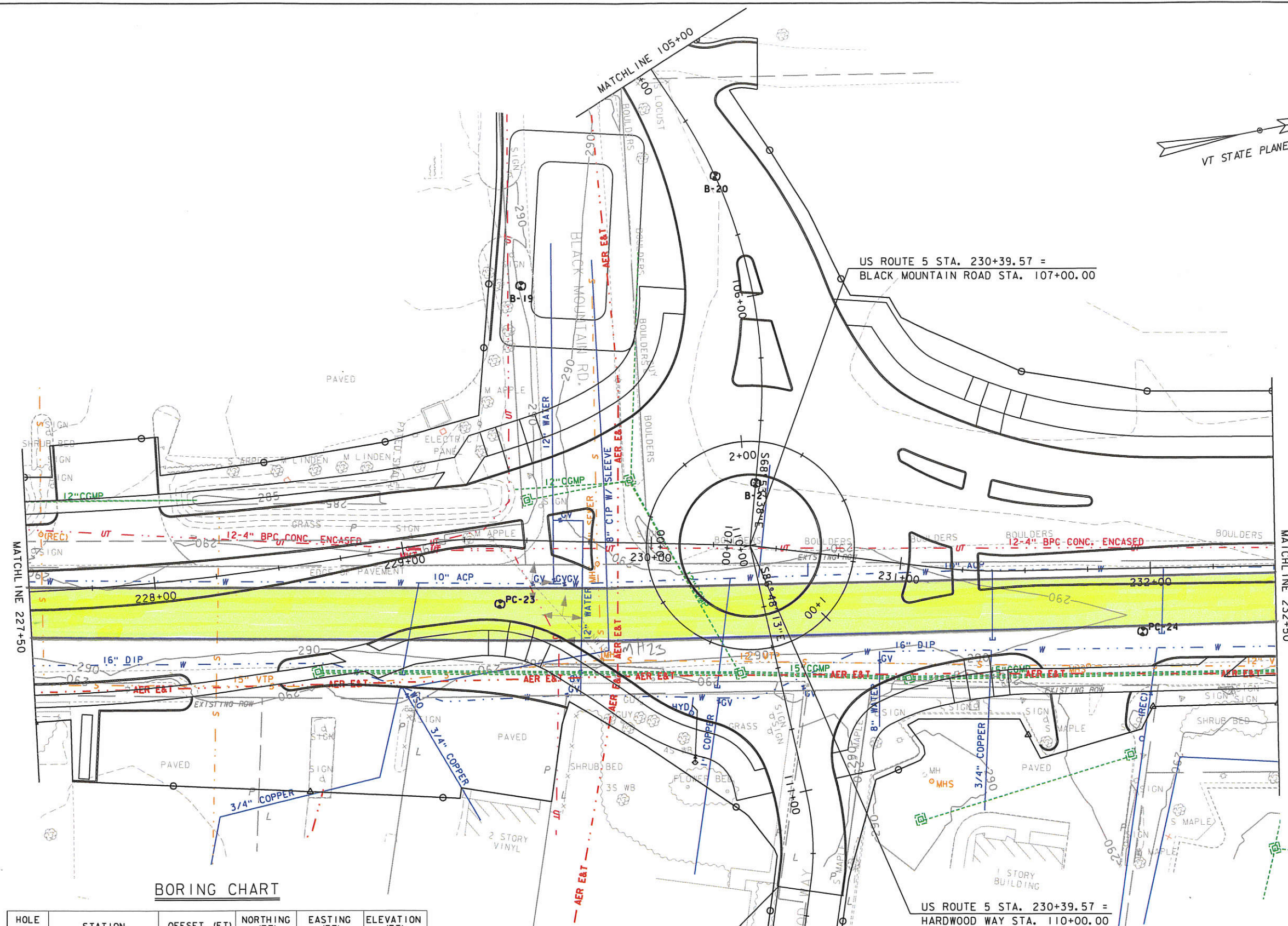
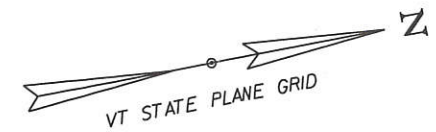


GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS

PROJECT NAME: BRATTLEBORO
PROJECT NUMBER: STP 2000(23)

FILE NAME: z84d030bor.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: T. BIGELOW
BORING PLAN SHEET II

PLOT DATE: 5/3/2018
DRAWN BY: I. KHALID
CHECKED BY: E. ATKINS
SHEET II OF 14

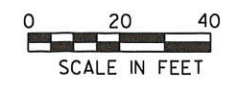


BORING CHART

HOLE NO.	STATION	OFFSET (FT)	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
PC-23	STA. 229+40	25.55 RT	138969.99	1624698.95	290.66
B-19	STA. 229+44	101.65 LT	139012.62	1624579.01	290.07
B-20	STA. 230+21	147.44 LT	139099.94	1624558.53	288.84
B-21	STA. 230+39	24.96 LT	139082.63	1624681.63	288.97
PC-24	STA. 231+96	25.21 RT	139213.85	1624780.93	289.79

END FULL DEPTH RECONSTRUCTION
BEGIN COLD PLANE AND RESURFACING
STA. 111+40.00

END COLD PLANE AND RESURFACING
LIMIT OF WORK

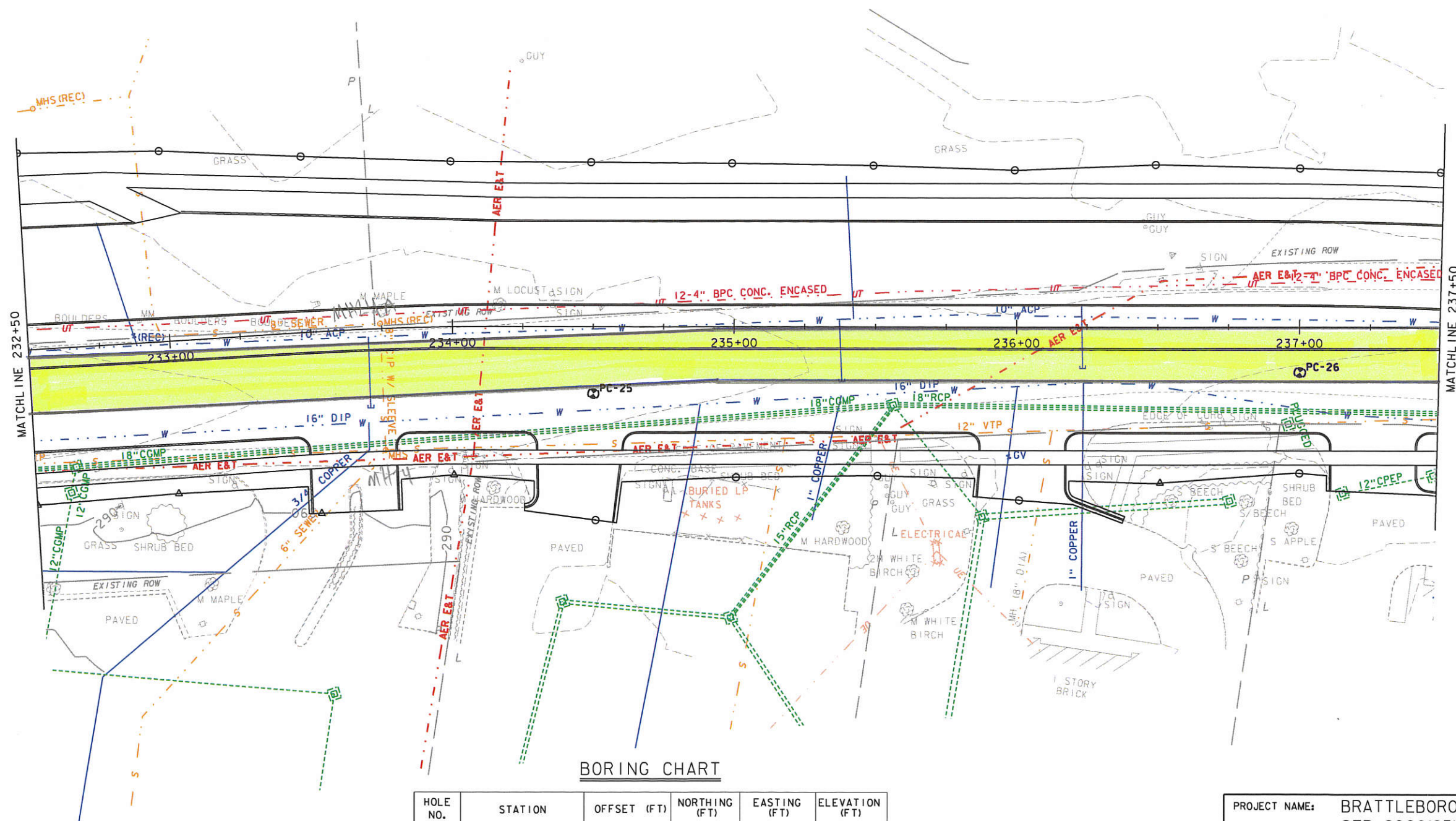


GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS

PROJECT NAME: BRATTLEBORO
PROJECT NUMBER: STP 2000(23)

FILE NAME: z84d030bor.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: T. BIGELOW
BORING PLAN SHEET 12

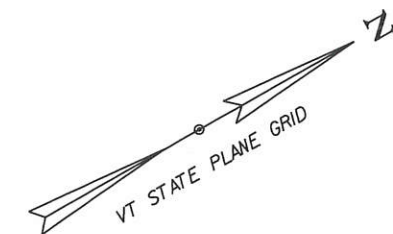
PLOT DATE: 5/3/2018
DRAWN BY: I. KHALID
CHECKED BY: E. ATKINS
SHEET 12 OF 14



HOLE NO.	STATION	OFFSET (FT)	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
PC-25	STA. 235+50	23.57 RT	139456.65	1624848.56	288.35
PC-26	STA. 237+00	15.92 RT	139695.99	1624921.19	286.90

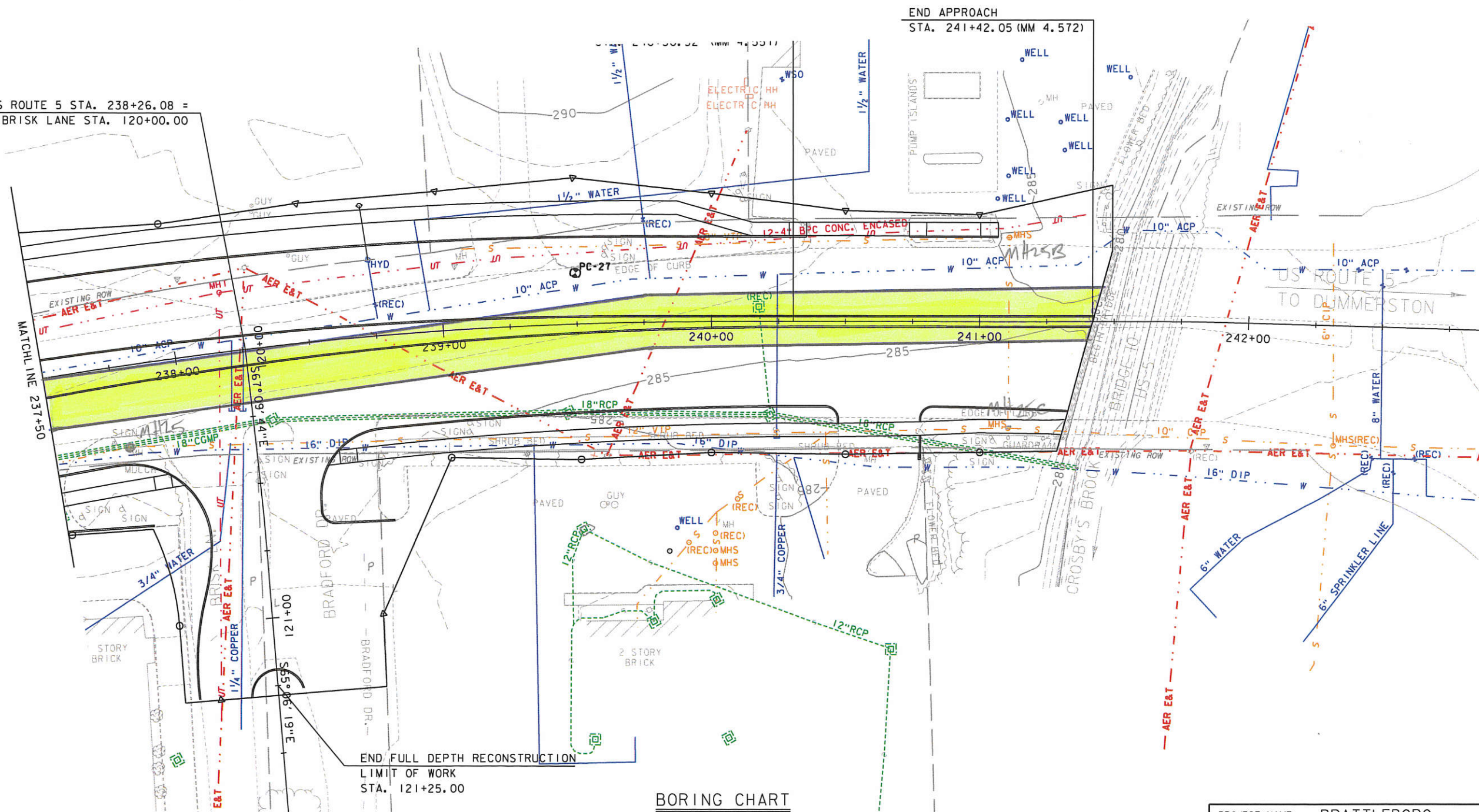


PLOT DATE: 5/3/2018
DRAWN BY: I. KHALID
CHECKED BY: E. ATKINS
SHEET 13 OF 14



US ROUTE 5 STA. 238+26.08 =
BRISK LANE STA. 120+00.00

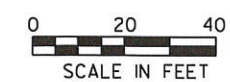
END APPROACH
STA. 241+42.05 (MM 4.572)



END FULL DEPTH RECONSTRUCTION
LIMIT OF WORK
STA. 121+25.00

BORING CHART

HOLE NO.	STATION	OFFSET (FT)	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
PC-27	STA. 239+50	18.81 LT	139939.68	1624986.14	286.85



SCALE IN FEET
GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS

PROJECT NAME: BRATTLEBORO
PROJECT NUMBER: STP 2000(23)

FILE NAME: z84d030bor.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: T. BIGELOW
BORING PLAN SHEET 14

PLOT DATE: 5/3/2018
DRAWN BY: I. KHALID
CHECKED BY: E. ATKINS
SHEET 14 OF 14