

SHEET NO. 1

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51	BR 102 Arch and Abutment Details
52	BR 102 Reinforcing Steel Schedule
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55	BR 102 Quantity Sheet
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63	BR 102 Arch and Abutment Details
64	BR 102 Reinforcing Steel Schedule
65	BR 102 Quantity Sheet
66	BR 102 Plan and Elevation
67	BR 102 Quantity Sheet
68	BR 102 Working Plans
69	BR 102 Arch and Abutment Details
70	BR 102 Reinforcing Steel Schedule
71	BR 102 Quantity Sheet
72	BR 102 Plan and Elevation
73	BR 102 Quantity Sheet
74	BR 102 Working Plans
75	BR 102 Arch and Abutment Details
76	BR 102 Reinforcing Steel Schedule
77	BR 102 Quantity Sheet
78	BR 102 Plan and Elevation
79	BR 102 Quantity Sheet
80	BR 102 Working Plans
81	BR 102 Arch and Abutment Details
82	BR 102 Reinforcing Steel Schedule
83	BR 102 Quantity Sheet
84	BR 102 Plan and Elevation
85	BR 102 Quantity Sheet
86	BR 102 Working Plans
87	BR 102 Arch and Abutment Details
88	BR 102 Reinforcing Steel Schedule
89	BR 102 Quantity Sheet
90	BR 102 Plan and Elevation
91	BR 102 Quantity Sheet
92	BR 102 Working Plans
93	BR 102 Arch and Abutment Details
94	BR 102 Reinforcing Steel Schedule
95	BR 102 Quantity Sheet
96	BR 102 Plan and Elevation
97	BR 102 Quantity Sheet
98	BR 102 Working Plans
99	BR 102 Arch and Abutment Details
100	BR 102 Reinforcing Steel Schedule

27 F-1 Property Line Fence  
 96-99 G-201b Two Chain Guard Rail  
 100 G-4 Wood and Steel Parker Posts  
 101 J-1 Project markers, Boundary Markers  
 102 J-2 Field Office  
 103-105 Machine Cross Sections  
 17-18a 1:2,400 Cross Section

*LET'S ADD FINISH  
 TO FINAL FAVORABLE SHEETS  
 STRUCTURAL STEEL  
 DETAILS W/ BOLTED  
 WEIGHT*

**TOWNS OF HARTLAND-HARTFORD**

**INTERSTATE ROUTE 91  
 BELLOWS FALLS-WHITE RIVER JCT. ROAD**

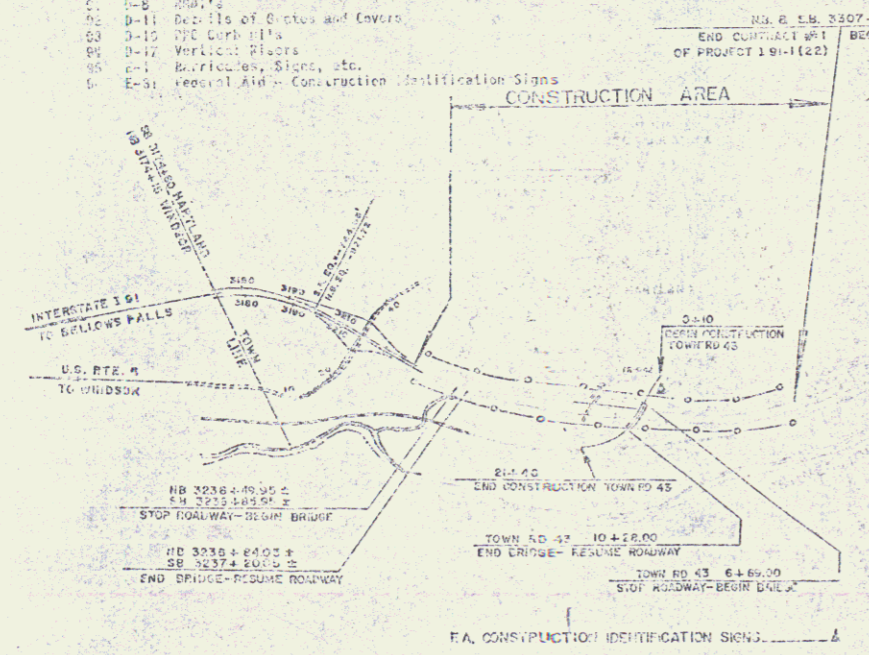
CONTRACT #1  
 BEGINNING AT A POINT 0.865 MILE NORTHERLY OF THE  
 WINDSOR-HARTLAND TOWN LINE AND EXTENDING NORTH-  
 ERLY 1.4657 MILES

LENGTH OF ROADWAY 7,850.90 FEET = 1.487 MILES  
 LENGTH OF BRIDGE 34.10 FEET = 0.0064 MILES  
 LENGTH OF CONTRACT 7,850.00 FEET = 1.4867 MILES

ADT 1065	3600
ADT 1085	3060
DHV 1638	1160
E	5 1/2%
F	7 1/2%
V	60 MPH

*project# I 91-1(22)*

*DC 2/1/00*



NOTE: ANY ERRORS OR OMISSIONS IN THIS DRAWING ARE THE RESPONSIBILITY OF THE DESIGNER. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE DATA AND CONDITIONS UNDER WHICH THIS DRAWING IS USED.

NOTE: For Right-of-Way Details, See Right-of-Way Plans for this Project.

CONTRACT #1  
 STAGE 1 CONSTRUCTION

*MP 60.73-70.08*

**POOR ORIGINAL COPY**

APPROVED: *[Signature]* DATE: *1/30/03*  
 APPROVED: *[Signature]* DATE: *1/30/03*  
 APPROVED: *[Signature]* DATE: *1/30/03*  
 APPROVED: *[Signature]* DATE: *1/30/03*  
 APPROVED: *[Signature]* DATE: *1/30/03*

Sheet 1 of 100



STATE OF VERMONT  
DEPARTMENT OF HIGHWAYS  
RIGHT-OF-WAY PLANS  
(DETAIL SHEET)

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL	OWNER	SHEET NO.	STATION	STATION	TAKING	REP	RIGHTS	TITLE TAKER	DATE	TOWN OR CITY RECORDED	REMARKS
323	ERNEST W. MARTIN		3232+75 NB	3243+07 SB	21.3A 1A	235.7A	DRAINAGE DRAINAGE DRAINAGE DITCH				SANMILL, SHED
329 A	TOWN OF HARTLAND		3220+50 SB	3243+35 NB	NONE	NA	ALL RTES IN 0.55A1 TR 41 ALL RTES IN 0.6A1 TR 43 ALL RTES IN 0.35A1 TR 42 ALL RTES IN 0.1A1 TR 43 ALL RTES IN 0.1A1 TR 76 ALL RTES IN 0.45A1 TR 78 ALL RTES IN 0.8A1 TR 79 ALL RTES IN 1.0A1 TR 11 ALL RTES IN 0.35A1 TR 15				
B			3262+65 NB	3264+13 SB	NONE						
C			3100+78 42	17+00 RT 5	NONE						
D			21+28 RT	22+10 TR 43	NONE						
E			3367+45 SB	3368+53 SB	NONE						
F			5+49 RT	0+00 TR 78	NONE						
G			3414+60 NB	3415+78 SB	NONE						
H			5+67 RT	3302+78 NB	NONE						
I			3517+81 NB	3518+43 NB	NONE						
J			3536+40 NB	3537+07 NB	NONE						
K			3568+10 NB	3569+18 NB	NONE						
330A	JOHN G. & PAULINE M. PERRON		3218+58 NB	3219+08 SB	10.8A 1A	11.0A	DRAINAGE DRAINAGE DITCH				
B			3264+50 NB	3265+10 NB	0.2A						
332A	J. KINGSLEY STEVENS		3271+00	3272+30 NB	7.2A 1A	8.8A	DRAINAGE ALL RTES IN 12' ROW				HOUSE
B			3265+72	3271+00 NB	1.0A						
C			17+00 RT 5	3272+40 SB	0.5A						
333	HENRIETTA L. FLESC		3277+00 SB	3278+00 NB	NONE	46.0A	SPRING				
334	HAROLD W. & LETA F. BARBOUR		3279+00	3280+00 NB	NONE	1.0A	SPRING				
335	EARL E. & BEATRICE HUBBARD		3279+00	3280+00 NB	NONE	2.0A	SPRING				
336	RALPH D. & VELMA STILSON		3278+30	3281+53 NB	2.5A 1A	1.3A	DRAINAGE				
			3278+50 NB				DRAINAGE				
337	RICHARD D. & ETHEL B. SYKES		17+00 RT 5	3200 RT 5	0.4A	14.6A					
338	DONALD A. & EUGENIA M. FRAIL		0+20 TR 5	3100 TR 5	0.8A	0.6A	DRIVE 2190 LT TR 42				
339	THOMAS E. & MARLENE A. FOLEY		12+74 NB	18+23 TR 43	1.1A	1.9A	DRIVE SEWER PIPE CROSSING ALL RTES IN 12' ROW				
340A	CENTRAL VERMONT RAILWAY, INC.		3265+72	3271+00 NB	0.6A	N/A	DITCH				
B			16+42 RT	12+40 TR 43	0.1A 1A	N/A					
C			3283+42	3284+30 NB	0.45A 1A	N/A					
			3359+62	3364+60 NB	0.45A 1A	N/A					
			3357+30	3364+00 NB			SLOPE 0.22 AT SLOPE 200 SF SLOPE 400 SF				
341	JOHN HARRICK & JEANETTE L. GURNEY		3482+40	3482+70 NB	16.3A 1A	118.7A					6 NEW HOUSES
342	VEGA L. EDUARDO & MARCELO A. MACHIN		3294+93 NB	3299+00 SB	4.5A 1A	7.9A					
343	SEYMOUR R. & LINDA J. MORRIS		3290+70 NB	3303+00 SB	3.5A 1A	4.1A					
344	HARRY K. SHEPARD		3202+70 NB	3204+65 SB	1.5A 1A	0.8A					
345	ESSE MAZE		3204+05 NB	3312+02 NB	7.8A 1A	57.0A					
346	FRANK & BEATRICE MATTIE		3312+16 NB	3316+31 NB	7.9A 1A	7.0A					HOUSE, GARAGE, SHED, WELL LOSS OF ACCESS (6.5A)

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
11		PARCEL 345 CHANGE TRADING LINE BETWEEN STA 3312+09 - 3312+08 TO 3312+08	11-9-04	MWG	
12		PARCEL 346 CHANGE TRADING LINE BETWEEN STA 3312+02 - 3316+31 TO 3312+02	11-9-04	MWG	

POOR ORIGINAL COPY

LEGEND

M.S. Jones 8/1/03  
J.M. Jones 8/1/03

--- PROPERTY LINE  
--- TOWN OR CITY  
--- PRESENT R.O.W.

--- SLOPE RIGHTS  
--- PROPERTY LINE  
--- TOWN OR CITY  
--- PRESENT R.O.W.

APPROVED: *Robt. C. Will* 8/20/03  
APPROVED: *John M. Pons* 8/20/03  
APPROVED: *John M. Pons* 8/20/03  
ROCKINGHAM-WHITE RIVER JCT. 1-31-1(12)  
HARTLAND-HARTFORD SECTION  
SHEET 12  
Contract # F Raw

STATE OF VERMONT  
DEPARTMENT OF HIGHWAYS  
RIGHT-OF-WAY PLANS  
(DETAIL SHEET)

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING ±	PERM ±	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY	RECORDED	BLK.	PG.	REMARKS
347	KENNETH E. MERRILL		3316+30 NB RT	3324+20 NB RT	7.0A LA	8.2A								Loss of Access (8.2A)
348	LEO P & ANNA L. DEBERNADI		3323+61 SB LT	3341+00 NB RT	12.3A LA	8.0A								SNOW HOUSE Loss of Access (8.0A)
349	LEO P. DEBERNADI		3331+20 NB RT	3332+05 NB RT	NONE	4.0A								Loss of Access (4.0A)
350	LOUIS P. SR. & KATHLEEN SHERMAN		3329+45 SB LT	3337+87 NB RT	3.5A LA	8.5A								DANCE HALL, CABIN, RESTAURANT
351 A & B	SELDON E. & PEARL A. MILLER		3340+59 SB LT	3357+05 SB LT	16.7A LA	16.8A								Non Participating
352	LENNIS E. MERRITT ESTATE		431+70 RT	440+00 US S	0.6A	49.4A								WOOD LOT HEN HOUSE, HOUSE, GARAGE
353 A & B	VERN E. & GLADYS H. OSMER		3356+06 NB RT	3370+70 NB RT	9.3A LA									Non Participating
354 A & B	PERCY N. & LOUISE M. COURTEMANCHE B. 416 DREEZE HILL MOTOR COURT		3366+30 SB LT	3355+36 US S	3.3A	82.3A								WATER PIPE LINE DRAINAGE
355	WILLIAM J. & VIRGINIA A. MATRINS		3366+30 SB LT	3384+58 SB LT	14.4A LA									WATER PIPE CROSSING
356	NILLIAM J. & VIRGINIA A. MATRINS		431+00 LT	434+00 LT	3.2A LA	NONE								HOUSE, RESTAURANT, CABINS
357	HALBERT L. & WILMA Z. DENSTORE		3385+50 SB		NONE	13.1A								WATER PIPE LINE
358	EDMUND G. & DOROTHY M. GOODWIN		3324+20 NB RT	3331+30 NB RT	22.8A LA	98.2A								Loss of Access (10.7A) FISH POND
359	ERNEST W. & NELLE V. BROWN		3382+70 NB RT	3406+15 NB RT										DRAINAGE DRAINAGE DRAINAGE
359	EMMANUEL O. & BARBARA R. TROTTER		3393+50 NB RT	3396+50 NB RT										WATER PIPE LINE DRAINAGE
360	MERTON K. BENNETT		3397+15 SB	3397+65 NB	14.7A LA	25.3A								HOUSE, SHED, GARAGE
361	RAYMOND S. & HELEN E. NYMAN		3406+50 SB LT	3419+53 SB LT	21.5A LA	139.5A								Loss of Access (69.3A)
362	PHILO T. & VIVIAN L. WASHINGTON & H. RUSSELL & RUTH M. DENNON		3408+40 SB	3414+50 NB RT										DRAINAGE DRAINAGE DRAINAGE DRAINAGE WATER PIPE LINE
363	JOHN W. & LILLIAN M. WEBSTER		3443+45 NB LT	3480+80 NB RT	30.6A LA	279.4A								WOODSHED Loss of Access (8.3A)
364	GEORGE L. & ANNE SMITH		3444+65 NB RT	3467+00 NB RT										DRAINAGE DRAINAGE DRAINAGE DRAINAGE WATER PIPE LINE
365	ELLSWORTH L. & ELLA M. CARPENTER		3456+75 NB RT											SPRING
366 A	EVERETT H. & LUELLA M. MILLER		3457+25 NB LT		NONE	30.0A								SPRING
B			3478+25 NB LT	3490+02 NB LT	10.2A LA	39.8A								SPRING WATER PIPE LINE
367 A	ROBERT M. & EDNA E. COUTERMARSH		3489+20 NB											SPRING
368	MARK A. & SHIRLEY E. COUTERMARSH & ROBERT M. & EDNA E. COUTERMARSH		3489+85 NB RT	3494+85 NB RT	2.7A LA	2.0A								SPRING
			3492+50 NB RT											
			3495+00 NB RT	3502+41 NB RT	4.5A LA	6.9A								DRAINAGE DRAINAGE DRAINAGE
			3495+00 NB RT											
			3500+00 NB RT											
			3495+00 NB RT	3501+02 NB LT	1.1A									SPRING
			6+45 LTR #11											
			3501+02 NB LT	3503+26 NB LT	0.3A LA	0.2A								
			11+40 LTR #11	3502+10 NB LT	0.4A									
			14+45 TR #11	3503+30 NB	NONE	0.8A								WATER PIPE LINE

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
1		GOODWIN PAR. 358 TRANSFER WATER RIGHTS TO ERNEST W. & NELLE V. BROWN PAR. 355	2-13-64	STE	Wright
8		PARCEL #352 CHANGE TIMING LINE BETWEEN STA 3466+75 - 3478+00 PER SHB	11-6-64	MMG	Jul
9		PARCEL #353C ADDED TO TAKING PER SHB.	11-6-64	MMG	Jul
10		PARCEL #351C ADDED TO TAKING PER SHB.	11-6-64	MMG	Jul

POOR ORIGINAL COPY

Met. 8/14/63  
21.8/20/63 8/20/63

----- TAKING VERTICAL ACCESS  
----- TAKING VERTICAL ACCESS (SEE PLAN SHEET NO. 1)  
----- LINES 111 & 112  
----- PRESENT R.O.W.

LEGEND

----- AIR RIGHTS  
----- ADJACENT PROPERTY LINE  
----- 10' SETBACK  
----- 100' SETBACK

APPROVED: John B. Dellen DATE: 8/20/63  
BY: G.M. Lane DATE: 8/20/63  
PROJECT: Rockingham-White River Jct. J-91-1(12)  
SECTION: HARTLAND-HARTFORD SECTION  
SHEET: 13 OF 200 SHEETS  
Contract #1 ROW

STATE OF VERMONT  
DEPARTMENT OF HIGHWAYS  
RIGHT-OF-WAY PLANS  
(DETAIL SHEET)

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEARING	ENDING STATION	YAKING ±	REM. ±	RIGHTS	TITLE TAKER	DATE	TOWN OR CITY RECORDED	EG	PG	REMARKS
369A B	George N. & Anna H. Wood		3501+78 NLY 13+58 LT	3512+08 NLY 22+23 R-72 II	6.3A LA 2.7A	6.30A							HOUSE & GARAGE
370A S	Louisa F. Smasey		3511+47 NLY 20+62 LTR II 26+00 RT 29+50 RT	3518+60 NLY 31+30 LTR II	2.4A LA 2.5A	5.3.6A							WATER PIPELINE DRAINAGE DRAINAGE
371	Oswald & Sadie M. Couture		30+96 R-72 II	32+55 E-72 II	0.6A	NONE							HOUSE
372	Carl J. & Janice M. Courtemanche		3512+42 NLY 33+33 R-72 II	3520+04 NLY 34+11 R-72 II	1.4A LA 1.4A	1.4A							DRAINAGE
373A B	Alta B. Wyman		3517+50 NLY 3517+28 NLY 3518+88 NLY	3524+40 NLY 3519+43 NLY 3519+90 NLY	1.0A LA 0.35A	5.65A							SEWER PIPELINE
374	Gordon & Barbara Rockwood		3520+05 NLY	3521+20 NLY	NONE	2.4A							TEMPORARY FILL - 1700 SFT
375A B	Charles T. & Marguerite B. Richardson, et al 218 1/2 Lenox Farms		3516+79 NLY 3520+11 NLY 3520+11 NLY 3526+50 NLY 3526+65	3526+55 NLY 3523+00 NLY 3523+30 NLY 3526+90 NLY 3526+90 NLY	4.2A LA 11.0A LA	359.7A							TEMPORARY FILL - 0.6A Loss of Access (0.6A) DRIVE DITCH DRAINAGE DRAINAGE
376	William E. & Barbara B. Hoyt		3526+45 NLY 3530+00 NLY 3531+00 NLY 3531+50 NLY 3534+50 NLY 3536+50 NLY 3537+00 NLY 3540+00 NLY 3543+50 NLY	3528+37 NLY 3545+14 NLY	0.1A LA 13.3A LA	206A							Loss of Access (3.9A) DRAINAGE DRAINAGE DRAINAGE DRAINAGE DRAINAGE DRAINAGE DRAINAGE
377	James A. & Lula I. West		3534+18 NLY 3533+15 NLY 3533+50 NLY	3535+16 NLY 3534+00 NLY	1100 SFT LA	0.4A							SLOPE - 370 50 FT SPRING
378A B	William H. & Evelyn M. Smith		3536+65 NLY 3543+75 NLY 3544+97 NLY 3548+14 NLY 3548+100 NLY 3553+25 NLY 3553+100 NLY 3553+50 NLY 3560+50 NLY 3565+70 NLY 3577+00 NLY 3572+00 NLY 3576+00 NLY 3582+00 NLY 3585+00 NLY 3585+00 NLY 3582+50 NLY	3544+97 NLY 3551+15 NLY 3550+100 NLY 3551+90 NLY 3571+90 NLY 3597+95 NLY 3596+45 NLY	0.8A 3.7A LA 2.4A 17.6A LA	359.5A							CULVERT Loss of Access (11.0A) DRAINAGE SPRING DRAINAGE Loss of Access (3.1A) SPRING DRAINAGE DRAINAGE DRAINAGE DRAINAGE DRAINAGE DRAINAGE DITCHING (D)
379	North Hartland Water Co., Inc		3587+95 NLY 3587+95 NLY 3589+00 NLY 3589+50 NLY	3592+18 NLY 3592+38 NLY	0.6A LA	6.4A							DRAINAGE DRAINAGE
380A B	Town of Hartford		3587+75 NLY 3590+20 NLY	3594+85 NLY 3632+08 SLY	NONE NONE	N/A N/A							ALL RIGHTS IN 0.7A TR #78 ALL RIGHTS IN 0.5A TR #76

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
5		CHANGE OF OWNERSHIP PARCEL # 374	8-27-64	BAT	JL
7	24	11 ACRES 2 OF PARCEL # 376 SOLD. NEW PARCEL # 331	9-14-64	CRAIG	JL
13	17	PARCEL # 378 ABG.O.E. DITCHING RIGHTS ADDED FOR CULVERT PER REQUEST BY CONSTRUCTION CHANGE.	5-14-65	MING	JL

POOR ORIGINAL COPY

M. J. Jordan 8/14/63  
W. J. McFarland 8/20/63

--- H --- TOWN WARD OR ADJACENT  
--- P --- TOWN WILL NOT ACQUIRE RIGHTS UNDER THIS PLAN  
--- D --- DRAINAGE WITH FACILITY  
--- --- PRESENT R.O.W.

LEGEND

SR --- SLOPE RIGHTS  
P --- PROPERTY LINE  
A --- ADJACENT LOT  
--- ---

APPROVED: *John D. Dwyer* DATE: 8/20/63  
REVISED: *W. J. McFarland* DATE: 8/20/63  
APPROVED: *H. P. Robinson* DATE: 8/22/63  
ROCKINGHAM-WHITE RIVER JOINT 91-1(12)  
HARTLAND-HARTFORD SECTION  
FILE # 488  
Contract #1 ROW

STATE OF VERMONT  
DEPARTMENT OF HIGHWAYS  
CONVEYANCE PLANS  
(DETAIL SHEET)

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	OWNER	SHEET NO.	BEARING	LENGTH	WIDTH	AREA	REMARKS
381	ALBERT L. & HELEN G. LUCE		3591+320ND 360N+214E	3.8A LA	400.2A		Loss of Access (5.4A±)
			3582+340E 360W+200N				DRAINAGE
			3583+000E 3611+200W				CHANNEL - 70.30 FT
387	NANCY BRONER		3602+500W 3613+320NE	7.9A LA	62.1A		DRAINAGE
			3609+100W 3612+500E				DRAINAGE
383	LEWIS CASP		3612+125E 3614+600W	3.2A LA	28.3A		
386	RALPH GALLO, ETAL		3611+000E 3621+750W	3.5A LA	3.0A		Loss of Access (3.0A±)
			3616+000E				DRAINAGE
387	HELEN P. ANDREWS		3617+435E 3623+000W	3.7A LA	12.3A		
389	LOUIS E. & MARGARET L. MARFIELD		3620+000E 3630+050W	15.2A LA	65.8A		Loss of Access (29.2A±)
			3620+900W 3638+100E				
381	TOWN OF HARTFORD, LESSOR		3638+570E 3645+500E	2.8A LA	12.2A		
390	TOWN OF HARTFORD, LESSOR		3638+400E 3645+0250E	3.0A LA	17.0A		
390	WINSOR C. & BERTHA C. BROWN		3644+400E 3651+0250E	2.7A LA	40.9A		
390	WINSOR C. & BERTHA C. BROWN		3650+750E 3650+0350E	2.1A LA			Loss of Access (11.2A±)
			3664+345E 3660+0350E				DRAINAGE
390	WILLIS D. DREW		3644+400E 3651+0250E	3.6A LA	33.4A		DRAINAGE
			3650+0350E				DRAINAGE
391	TRUSTEES - DIOCESE OF VT - LESSOR		3651+0250E 3652+0350E	7.0A LA	19.0A		DRAINAGE
			3646+500E				DRAINAGE
392	TRUSTEES - DIOCESE OF VT - LESSOR		3650+490E 3655+000E	2.4A LA	36.6A		
			3656+000E 3650+730E	0.2A LA			
393	Mrs. SARVA D. WRIGHT, ALUMINUM SILVER		3662+035E 3664+430E	0.2A LA	209.7A		
394	LOUIS & KATHERINE R. MELISI		3677+400E 3693+6750E	20.2A LA	50.8A		Loss of Access (11.1A±)
			3677+400E 3693+6750E				DRAINAGE
			3681+500E				DRAINAGE
			3684+000E				DRAINAGE
			4+50A B.M. 0				
395	VALLEY LAND CORP		3714+050E 3716+450E	5.750E	NONE		
395	V.A. KILPATRICK, INC.		3717+550E 3718+350E	2.1A LA	11.0A		
397A	MARY R. SEBICK ESTATE & GORDON H. SEBICK		3717+020E 40+000E	6.4A LA	6.7A		Loss of Access (5.7A±)
			3716+800E 615+000E	6.2A			
			3716+050E 3716+000E				
398	BECKIE S. & LONA B. KING		AS COLL. ROAD E. TO R.F. 1000	NONE	3.0A		ALL RTTY IN 16' ROW
399	JOHN D. C. WHITE		3523+570E 3524+050E	2.750	1.1A		TEMPORARY FILL - 1520 SQ FT
			3521+000E 3523+000E				
388	GORDON V. & VINCE A. HADLOCK		3722+235E 3724+200E	2.2A	NONE		

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	BY	APPROVED BY
2		PAR. 288, 289, & 292 SOLD TO WINSOR C. & BERTHA C. BROWN	1-13-67	ST-E	King
3		PARCEL 395 - AREA CORRECTED TO 5.75 A±	5-11-67	DG-B	RADIGAN
4		PARCEL 397, A/B AREAS CORRECTED TO 6.2 A±, PARCEL 'B' TO 6.7 A±, REM. TO 6.7 A± AND LOSS OF ACCESS TO 5.7 A±	5-13-67	ST-E	Jan
6		ADDED PARCEL X6B & CORRECTED PROPERTY LINE BETWEEN X6A & 396	9-10-67	BAET	Jan

M.L. Linder 8/14/63  
G. W. Jones 8/26/63

POOR ORIGINAL COPY

APPROVED: *Bob B. Wilkin* 8/20/63  
APPROVED: *John P. King* 8/21/63  
APPROVED: *John P. King* 8/22-63  
ROCKINGHAM-WHITE RIVER JCT. I-91-1(12)  
HARTLAND-HARTFORD SECTION  
Contract #1

ROW  
6

STATE OF VERMONT  
DEPARTMENT OF HIGHWAYS  
RIGHT-OF-WAY PLANS  
(DETAIL SHEET)

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
369A B	GEORGE N & ANNA H WOOD		3501+78MLL 35+78 L 35+40.78 L	3512+86MLA 22+22.87R 3504+89ML	6.7A LA 2.7A	630A							HOUSE & GARAGE WATER PIPELINE
370A B	LOUISA F SWASEY		3511+47MLL 20+82LTR 26+00 R 29+50 R	3518+60MLL 31+30LTR	2.4A LA 2.5A	53.6A							DRAINAGE DRAINAGE
371	DYWALD & SADIE M. COUTURE		3519+86MLL	3525+87MLL	0.6A	NONE							HOUSE
372	CARL J & JANE M. COURTEMANCHE		3512+42MLL 3513+06 R	3520+11MLL	1.4A LA 0.35A	1.4A							DRAINAGE
373A B	ALTA B WYMAN		3517+85MLL 3517+28MLL 3518+85MLL	3517+60MLA 3515+33L 3519+90MLA	1.0A LA 0.35A	5.63A							SEWER PIPELINE
374	GODDARD & BARBARA RUCANODD		3520+05MLL	3521+28MLA	NONE	2.4A							TEMPORARY FILL - 1700SQ FT
375A B C	CHARLES T & MARGUERITE B. RICHARDSON ETAL 0166 LEMAS FARMS		3518+75MLL 3520+11MLL 3520+11MLL 3526+50MLL 3525+65 3550+00MLL 3531+18MLL 3560+00MLL 3526+55MLL	3526+53MLL 3523+00MLA 3523+30MLA 3526+50MLL 3565+26MLL 3531+18MLL 3560+00MLL 3526+55MLL	4.2A LA 11.0A LA 0.1A LA	339.7A							TEMPORARY FILL 0.6A Loss of Access (0.6A) DRIVE DITCH DRAINAGE DRAINAGE
376	WILLIAM E & BARBARA B HOYT		3521+25MLL 3526+55MLL 3530+00MLL 3531+00MLL 3534+50MLL 3534+50MLL 3536+50MLL 3537+00MLL 3540+00MLL 3543+50MLL	3525+11MLL 3545+14MLL	13.3A LA	206A							Loss of Access (13.9A)
377	JAMES R & LUCIA J NESE		3534+18MLL 3534+18MLL 3534+50MLL	3535+16MLA 3534+00MLA	100.5A LA 0.4A	0.4A							SLOPE - 370 SQ FT SPRING
378A B C D E	WILLIAM H & EVELYN M SMITH		3536+65MLL 3541+26MLL 3544+31MLL 3545+14MLL 3548+00MLL 3553+25MLL 3550+00MLL 3565+50MLL 3560+78MLA 3565+26MLL 3577+00MLL 3572+00MLL 3576+00MLL 3582+00MLL 3583+00MLL	3544+57MLA 3551+15MLA 3550+00MLL 3571+90MLA 3587+95MLL 3586+45MLL	0.8A 3.7A LA 2.4A 17.6A LA 4.0A LA	359.5A							CULVERT Loss of Access (11.0A) DRAINAGE SPRING DRAINAGE SPRING DRAINAGE DRAINAGE DRAINAGE DRAINAGE
379	NORTH HARTLAND WATER CO., INC		3585+00MLL 3587+95MLL 3587+95MLL 3589+00MLL 3589+52MLL	3591+87MLL 3592+38MLL	0.6A LA 0.6A LA	6.4A							DRAINAGE
380A B	TOWN OF HARTFORD		3589+75MLL 3620+20MBL	3594+45MLL 3652+2835A	NONE NONE	N/A N/A							ALL RIGHTS IN 0.7A L & 1.8 ALL RIGHTS IN 5.5A L & 7.8

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
5		CHANGE OF OWNERSHIP PARCEL # 374	8-27-64	BAT	
7	24	11 ACRES OF PARCEL # 376 SOLD. NEW PARCEL # 331	9-14-64	CRAIG	

LEGEND

MADE BY: M. L. Sander DATE: 3/18/64  
CHECKED BY: [Signature] DATE: 8/20/63

---||---||--- TAKING WITHOUT ACCESS  
---||---||--- TAKING WITHOUT ACCESS ALONG PROPERTY LINES  
---||---||--- TAKING WITH ACCESS  
---||---||--- PRESENT R.O.W.

---SR---SR--- SLOPE RIGHTS  
---P--- PROPERTY LINE  
---Δ---Δ---Δ--- TOP OF CUT  
---O---O---O--- TOP OF SLOPE

APPROVED: [Signature] DATE: 8/20/64  
APPROVED: [Signature] DATE: 8/27/63  
APPROVED: N. A. L. DATE: 11/22/63  
ROCKINGHAM - WHITE RIVER JOINT I-91-11(2)  
HARTLAND - HARTFORD SECTION  
SHEET 3 OF 3 SHEETS

[Signature] Row

STATE OF VERMONT  
DEPARTMENT OF HIGHWAYS  
RIGHT-OF-WAY PLANS  
(DETAIL SHEET)

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING ±	REM. ±	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
381	ALBERT L. & HELEN BLUCE		3591+58.41L 3592+38.41L 3593+00.41L 3611+10.41L	3609+35.41R 3602+30.41L	9.84 LA	400.2A							Loss of Access (5.44A)
382	NANCY BROWER		3602+50.41L 3609+00.41L 3612+50.41L	3613+32.41R	7.94 LA	62.1A							DRAINAGE CHANNEL - 70.32 FT DRAINAGE DRAINAGE
383	LEWIS CARO		3612+50.41L	3618+80.41R	3.2 LA	22.3A							
384	RALPH GALLO, ETAL		3611+00.41L 3614+00.41R 3616+50.41R	3621+78.41R	3.5 LA	3.0A							Loss of Access (3.0A) DRAINAGE DRAINAGE
385	MARION R. HODGENS		3617+53.41L	3623+04.58L	3.7 LA	12.3A							
386	LOUIS E. & MARGARET L. MAXFIELD		3620+98.41R 3620+98.41R	3639+95.41R 3638+40.41R	15.2 LA	85.8A							Loss of Access (29.2A)
387	TOWN OF HARTFORD, LESSOR LOUIS F. & MARGARET MAXFIELD, LESSEE		3638+40.41R	3645+90.38L	2.8 LA	15.2A							
388	TOWN OF HARTFORD, LESSOR WINSON C. & BERTHA C. BROWN		3638+40.41R	3645+82.58L	3.0 LA	17.0A							
389A	WINSON C. & BERTHA C. BROWN		3644+44.41R 3660+73.41R 3664+34.58L 3666+82.58L	3651+82.58R 3680+93.58R 3680+93.58R	2.7 LA 20.1 LA	51.2A							Loss of Access (11.2A) DRAINAGE
390	NILES D. DREW		3644+44.41R 3650+80.58L	3651+82.58R	3.0 LA	33.4A							DRAINAGE DRAINAGE
391	TRUSTEES DIOCESE OF VT. LESSOR NUNN D. DREW, LESSEE		3651+82.58L	3662+03.58L	7.0 LA	19.0A							DRAINAGE
392A	TRUSTEES DIOCESE OF VT. LESSOR WINSON C. & BERTHA C. BROWN		3650+49.41R 3656+30.41R	3655+30.41R 3660+73.41R	2.8 LA	36.6A							
392B	MRS. SCARLETT WRIGHT MARSHALL CHERRY		3662+03.58L	3664+34.58L	0.3 LA	409.7A							
394	LOUIS E. & KATHERINE R. MELISI		3677+40.41R 3677+40.41R 3682+50.38L 3684+00.58L 4+50.0A Road	3693+67.58L 13+18.4A Road	20.2 LA	50.8A							Loss of Access (11.1A) DRAINAGE DRAINAGE DRAINAGE
395	VALLEY LAKE CAMP		3714+05.41R	3718+48.58L	5.75A	NONE							
396	L. A. WINDOLL, INC.		3717+65.58L	3723+35.58L	2.1 LA	11.0A							
397A	MARY R. BISHOP ESTATE & GORDON H. BISHOP		3717+82.41R 3716+80.41R	46+54.05.41R 6+57.41R	6.4 LA	6.7A							THIS PARCEL FOR DIST. MAINTENANCE AREA Loss of Access (5.7A)
398	ARCHIE S. & LONA S. KING		4000+00.41R	6+50.41R	NONE	3.0A	ALL RIGHTS IN R.O.W.						
399	JOHN D. C. WHITE		3523+37.41L	3524+85.41L	2.75 LA	11A							TEMPORARY FILL - 1920'S
400	GERHARD W. & VIVIAN M. HARTCO		3521+00.41L	3523+00.41L	2.2A	NONE							

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
2		PAR. 388, 389, & 392 SOL'D TO WINSON C. & BERTHA C. BROWN	1-13-64	STF	[Signature]
3		PARCEL #395 AREA CORRECTED TO 5.75 A.	5-11-64	DGB	[Signature]
4		PARCEL #397, A1B AREA CORRECTED. PARCEL A TO 6.4 A2, PARCEL B TO 6.2 A2, REM. TO 6.7 A+ AND LOSS OF ACCESS TO 5.7 A2	5-13-64	STF	[Signature]
6		ADDED PARCEL #6B & DETERMINED PROPERTY LINE BETWEEN X6A & 396	7-10-64	BAT	[Signature]

LEGEND

MADE BY [Signature] DATE 8/14/63  
CHECKED BY [Signature] DATE 8/22/63

---||---||--- TAKING WITHOUT ACCESS  
---|| P ---|| TAKING WITHOUT ACCESS ALONG PROPERTY LINES  
---||---||--- TAKING WITH ACCESS  
---||---||--- PRESENT R.O.W.

---SR---SR--- SLOPE RIGHTS  
---L---L--- PROPERTY LINE  
---Δ---Δ--- TOP OF CUT  
---O---O---O--- TOE OF SLOPE

APPROVED [Signature] DATE 8/20/63  
PROGRAM SUPERVISOR  
APPROVED [Signature] DATE 7/12/63  
APPROVED [Signature] DATE 7/12/63  
R.O.W. DIRECTOR

ROCKINGHAM-WHITE RIVER JCT. I-91-112)  
HARTLAND-HARTFORD SECTION  
SHEETS 340 OF 340 SHEETS

\* THREE RAIL GUARD RAIL W/  
STEEL POSTS - ITEM 543, 542  
3232+00 - 3239+00 NB RT  
3232+92 - 3239+00 SB-LT

\* BITUMINOUS CONCRETE CURB  
ITEM 555  
3233+50 - 3239+00 SB-LT

\* STAGE 2 CONSTRUCTION

DEMOLITION / REMOVAL OF BUILDING  
ITEM 536  
3237+30 SB-LT SHED  
3237+00 SB-LT SAWMILL

SUB-BASE OF SAND, ITEM 207  
3223+00 - 3237+20 NB

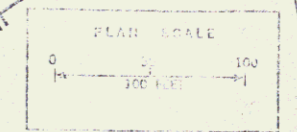
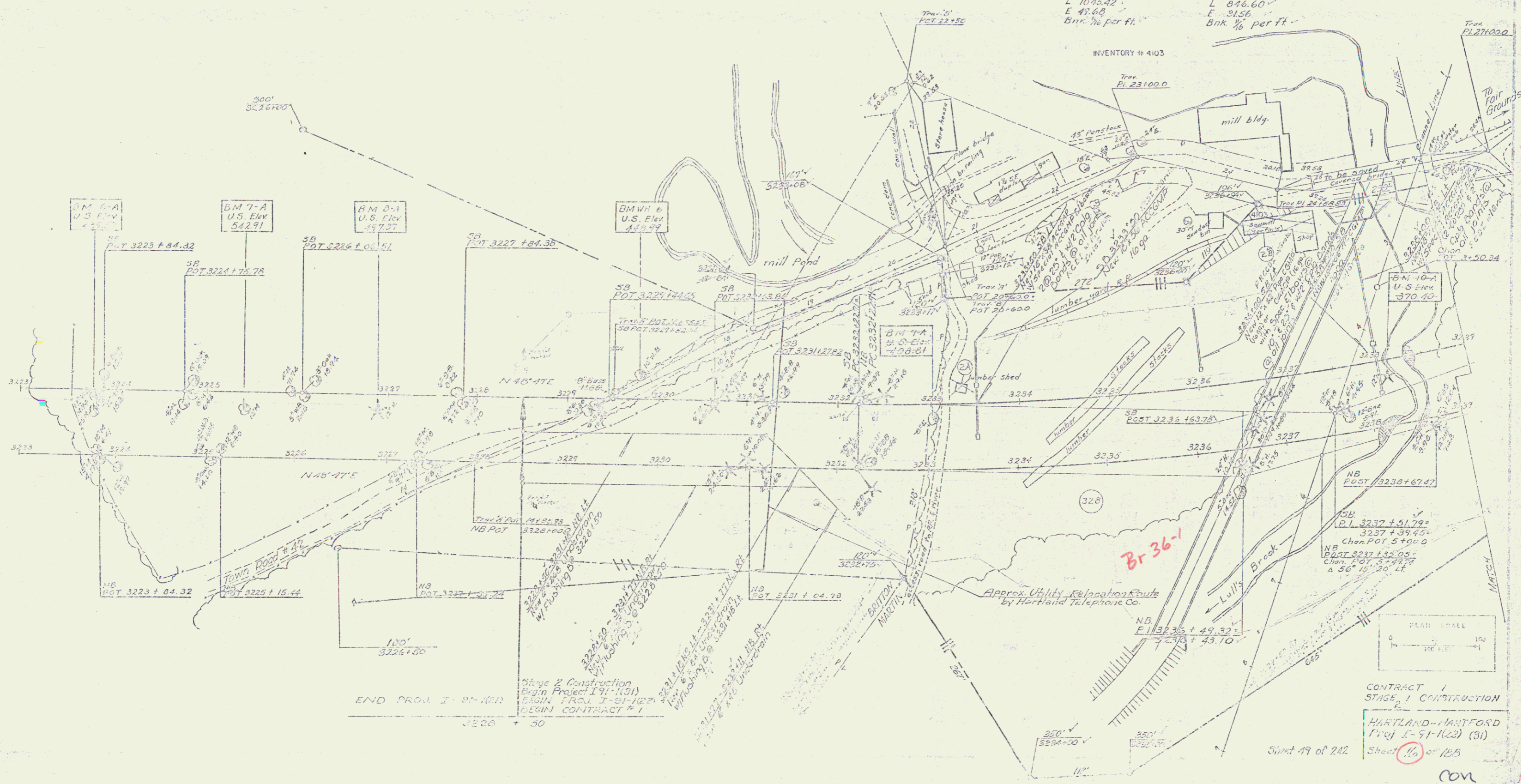
PROPERTY LINE FENCE ITEM 563 D  
3220+00 - 3236+00 SB-LT  
3226+00 - 3234+00 NB RT

CONTROL OF ACCESS COMPLETE ON THIS SHEET

SB  
Δ 21° 27' 45" LT  
D 2' 03' 11"  
R 2750.83  
T 520.00  
L 1045.42  
E 47.68  
Bnk. 1/8 per ft.

NB  
Δ 16° 55' 55" LT  
D 2' 00"  
R 2864.79  
T 426.41  
L 876.60  
E 31.56  
Bnk. 1/8 per ft.

Conc. Arch Culvert Designed  
by Bridge Dept.  
See Sheets Br. 100 thru Br. 110  
for Details



CONTRACT # 1  
STAGE 1 CONSTRUCTION  
HARTLAND - HARTFORD  
Proj. 8-91-102 (31)  
Sheet 16 of 185

con

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Standard Scale  
 V/S/N: 1/4" = 100' - 1/8" = 50' - 1/16" = 25'

THREE CALIF. GUARD RAIL W/  
 STEEL POSTS - ITEM 512  
 3239+00 - 3242+24 NB-RT  
 3239+00 - 3241+88 SB-LT

BITUMINOUS CONCRETE CURB  
 ITEM 553  
 3239+00 - 3241+25 SB-LT

SUB-BASE OF SAND, ITEM 202  
 3242+80 - 3254+75 NB  
 3245+75 - 3250+75 SB

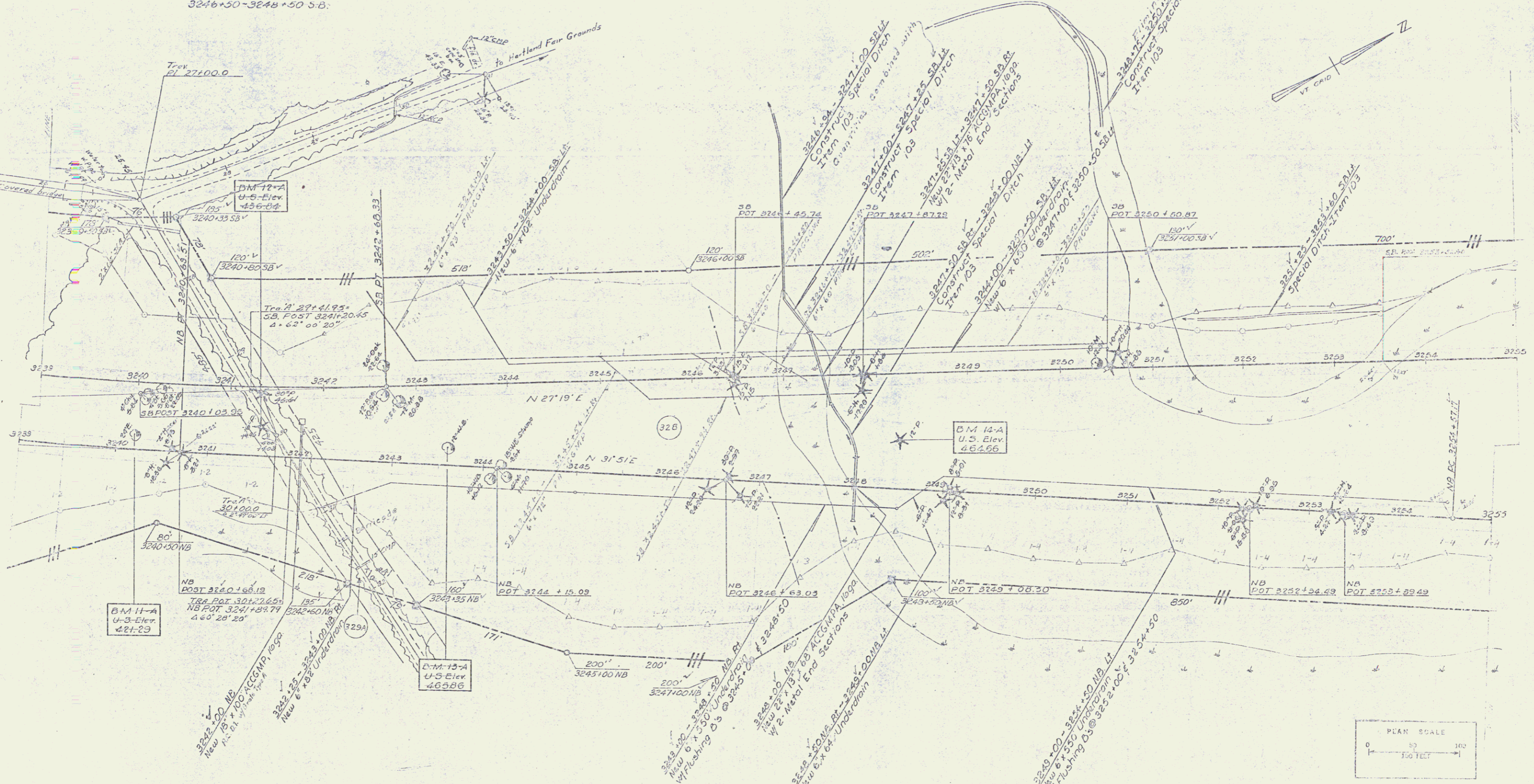
MUCK EXCAVATION, ITEM 116  
 3250+75 - 3254+25 SB-LT

JUTE MATTING, ITEM 623  
 3242+00 - 3250+50 SB-LT  
 3246+50 - 3251+00 SB-RT  
 3243+50 - 3246+00 NB-RT  
 3244+50 - 3251+00 NB-LT  
 3247+75 - 3250+50 NB-RT

DRILLING & BLASTING OF SOLID ROCK  
 SUBGRADE, MCD - ITEM 114  
 3242+00 - 3243+50 SB  
 3244+50 - 3245+50 NB  
 3246+50 - 3248+50 SB

\*STAGE 2 CONSTRUCTION

PROPERTY LINE FENCE, ITEM 563-B  
 3245+80 - 3255+00 SB-LT  
 3247+00 - 3254+00 NB-RT



CONTROL OF ACCESS COMPLETE  
 ON THIS SHEET

CONTRACT 1  
 STAGE 2 CONSTRUCTION  
 HARTLAND - HARTFORD  
 Proj. 2-91-1(22) (31)  
 Sheet 17 of 188

Con  
 10

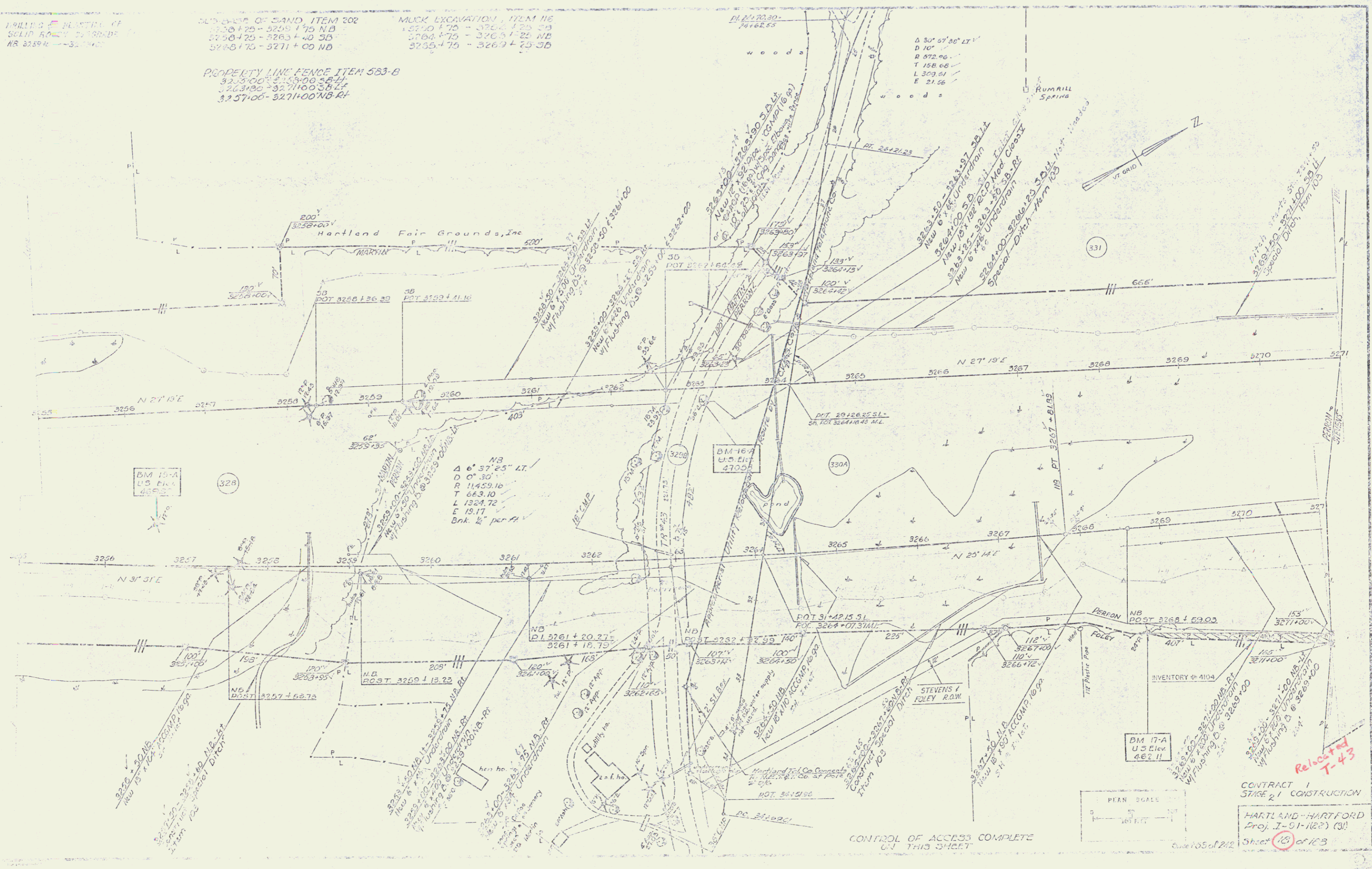
TRILLIS & HENNINGER  
SOLID ROAD DESIGNERS  
NR 32594 - 32740

CONTROL OF SAND, ITEM 202  
3256+75 - 3259+75 NB  
3258+75 - 3263+40 SB  
3268+75 - 3271+00 NB

MUCK EXCAVATION, ITEM 116  
3250+75 - 3255+75 SB  
3264+75 - 3269+75 NB  
3265+75 - 3269+75 SB

PROPERTY LINE FENCE ITEM 563-B  
3257+00 - 3258+00 SB RT  
3263+00 - 3271+00 SB LT  
3257+00 - 3271+00 NB RT

$\Delta 30^{\circ} 07' 30''$  LT  
D 10'  
R 872.00'  
T 158.68'  
L 309.61'  
E 21.56'



NB  
 $\Delta 6^{\circ} 37' 25''$  LT  
D 0' 30"  
R 11459.16'  
T 663.10'  
L 1824.72'  
E 19.17'  
Bnk 1/2" per ft

BM 16-A  
U.S. Elev.  
470.55

BM 17-A  
U.S. Elev.  
462.11

CONTROL OF ACCESS COMPLETE  
ON THIS SHEET

PLAN SCALE  
1" = 100'

CONTRACT 1  
STAGE 2, CONSTRUCTION  
HARTLAND-HARTFORD  
Proj. I-91-102 (31)  
Sheet 25 of 103

Relocated  
T-43

\*STEEL PLANK GUARDRAIL W/  
STEEL POSTS - ITEM 543-A 543-A  
3272+00-3274+00 NB-LT  
3272+00-3274+00 NB-RT  
3273+00-3274+00 NB-LT  
3273+00-3274+00 NB-RT

\*THREE CABLE GUARD RAIL W/  
STEEL POSTS - ITEM 543 542  
3275+00-3276+00 NB-RT  
3275+00-3276+00 SB-RT  
3276+00-3277+00 NB-RT  
3277+00-3278+00 NB-LT  
DRILLING & PLACING OF SOLID ROCK  
SUBGRADE, MOD. ITEM 114  
3274+50 - 3277+50 NB 114  
3274+50 - 3277+50 NB 114  
3274+50 - 3277+50 NB 114

DENOLITION & REMOVAL OF BUILDING  
ITEM 586  
3274+50 NB. E

\*BITUMINOUS CONCRETE CURB  
ITEM 555  
3275+00-3278+00 SB-RT  
3278+30-3281+00 NB-RT

PROPERTY LINE FENCE ITEM 553-D  
3274+00-3275+30 SB-LT  
3274+00-3275+30 NB-RT  
3275+00-3276+00 SB-LT  
3275+00-3276+00 NB-RT

\*STAGE 2 CONSTRUCTION

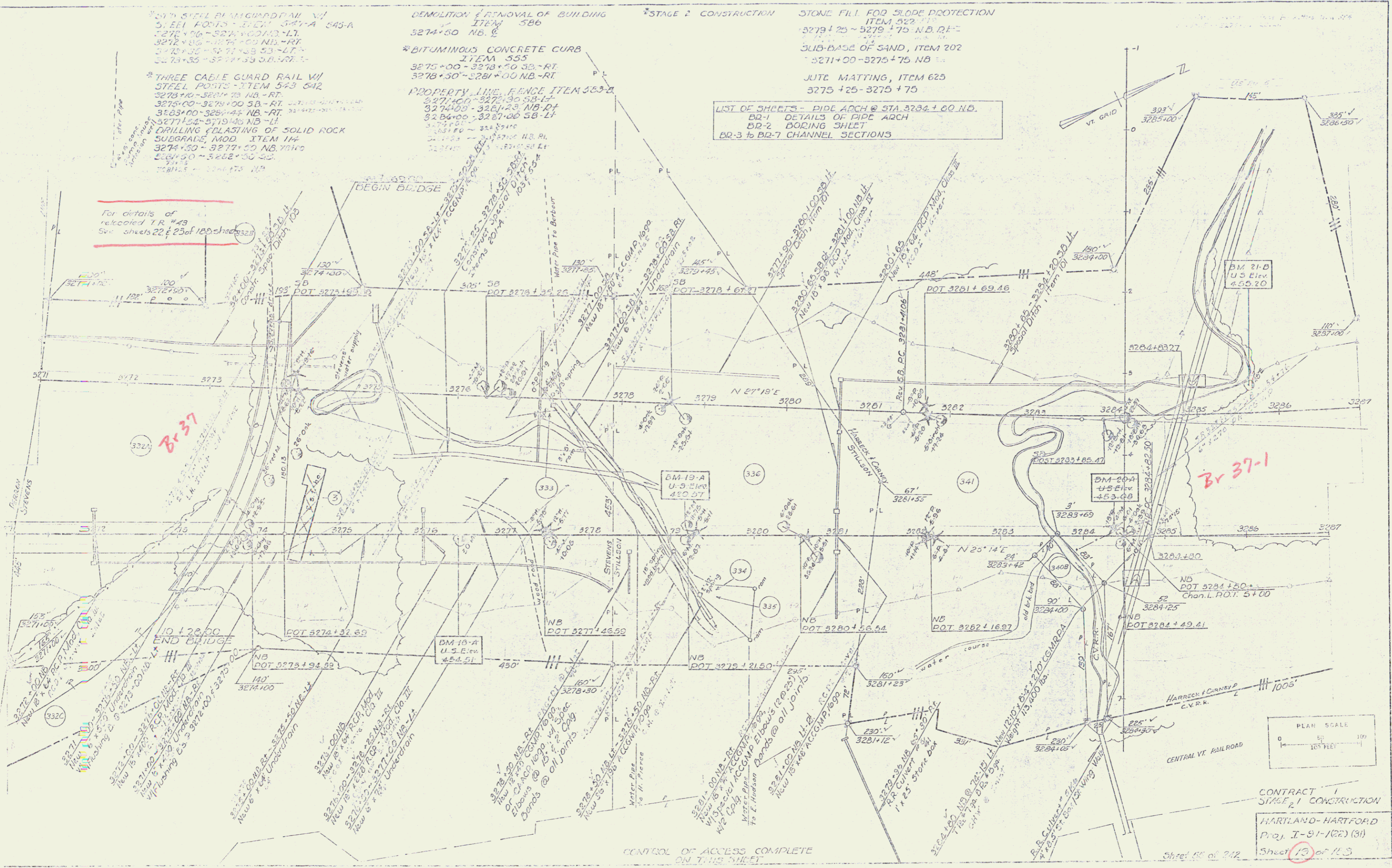
STONE FILL FOR SLOPE PROTECTION  
ITEM 522  
3279+25-3279+75 NB-RT  
3271+00-3275+75 NB

SUB-BASE OF SAND, ITEM 202

JUTE MATTING, ITEM 625

3275+25-3275+75

LIST OF SHEETS - BIDE ARCH @ STA. 3284+00 NB.  
BQ-1 DETAILS OF PIPE ARCH  
BQ-2 BORING SHEET  
BQ-3 to BQ-7 CHANNEL SECTIONS



PLAN SCALE  
0 50 100  
100 FEET

CONTRACT 1  
STAGE 2 CONSTRUCTION  
HARTLAND-HARTFORD  
Proj. I-91-102 (31)  
Sheet 13 of 13

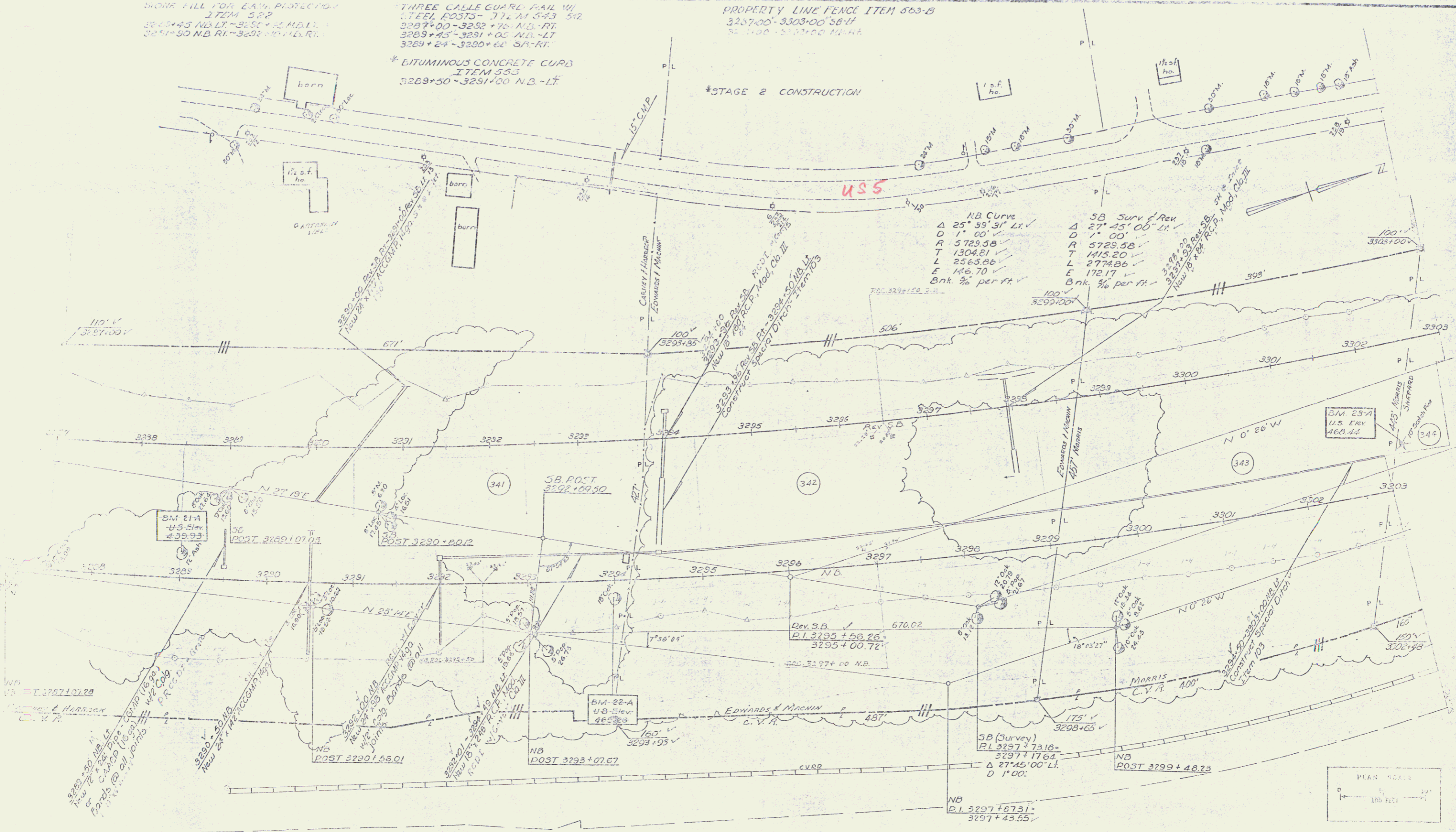
STONE FILL FOR E.A.W. PROTECTION  
 ITEM 522  
 3285+43 NB LT - 3285+43 MB LT  
 3285+50 NB RT - 3285+50 MB RT

THREE RAIL GUARD RAIL W/  
 ITEM 532  
 3287+00 - 3282+75 NB - RT  
 3289+45 - 3281+05 NB - LT  
 3289+24 - 3280+60 SB - RT

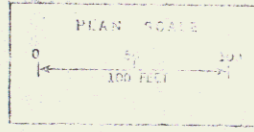
PROPERTY LINE FENCE ITEM 563-B  
 3287+00 - 3303+00 SB - LT  
 3287+00 - 3287+00 NB - RT

\* BITUMINOUS CONCRETE CURB  
 ITEM 533  
 3289+50 - 3291+00 NB - LT

\* STAGE 2 CONSTRUCTION



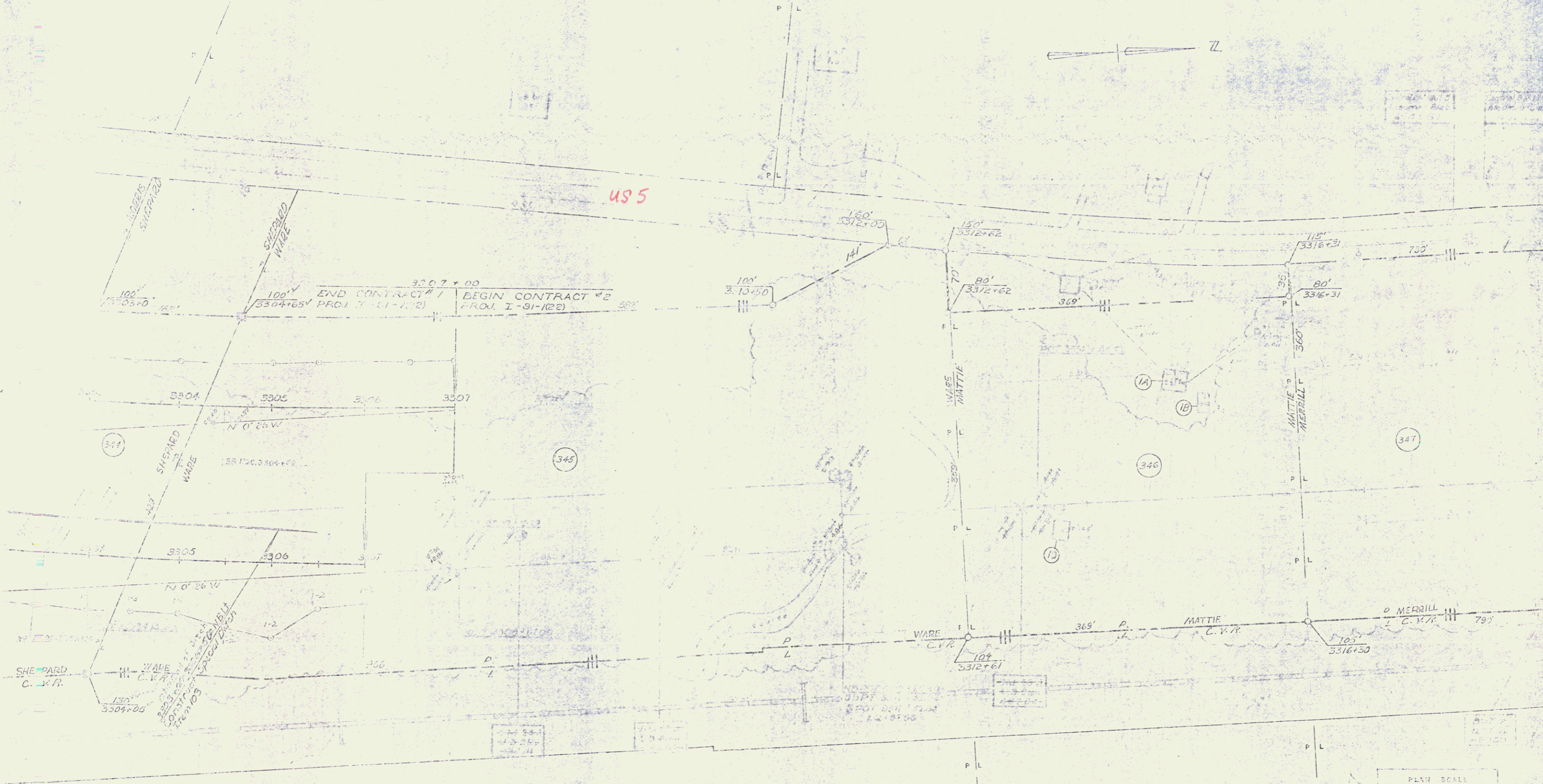
W.P. T. 220210728  
 HARRISON  
 C.V.P.



CONTROL OF ACCESS COMPLETE  
 ON THIS SHEET

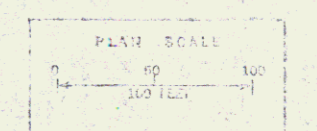
CONTRACT 1  
 STAGE 1 CONSTRUCTION  
 HARTLAND-HARTFORD  
 Proj. I-91-(22) (01)  
 Sheet 20 of 188  
 Sheet 57 of 212

THREE CABLE QUAD 1700  
 WIRE POSTS ITEM 32312  
 3304+58 - 3307+00 NB-17  
 3303+00 - 3307+00 S-17  
 PROPERTY LINE FENCE WITH CORNERS  
 \* STAGE 2 CONSTRUCTION



POOR ORIGINAL COPY

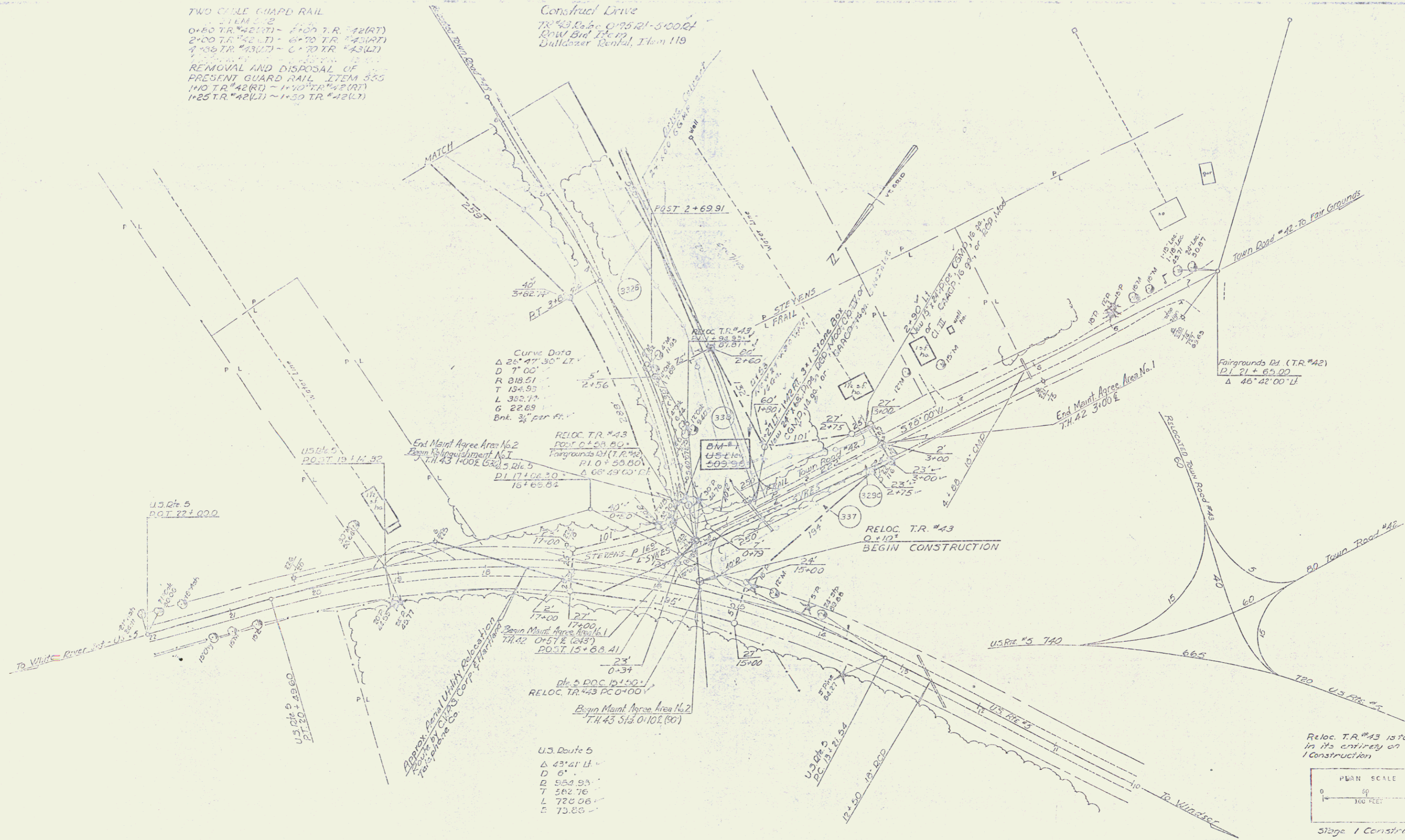
CONTROL OF ACCESS COMPLETE ON THIS SHEET



Stage 2 Construction  
 CONTRACT 1  
 STAGE 1 CONSTRUCTION  
 HARTLAND-HARTFORD  
 Proj. I-91 (32) (31)  
 Sheet 21 of 108  
 Sheet 06 of 122

TWO CABLE GUARD RAIL  
 21 LM 512  
 0+80 TR #42(RT) - 1+00 TR #42(RT)  
 2+00 TR #42(LT) - 6+70 TR #43(RT)  
 7+80 TR #43(LT) - 8+70 TR #43(LT)  
 REMOVAL AND DISPOSAL OF  
 PRESENT GUARD RAIL ITEM 505  
 1+00 TR #42(RT) - 1+40 TR #42(RT)  
 1+25 TR #42(LT) - 1+50 TR #42(LT)

Construct Drive  
 TR #43, Sta. 0+75.21 - 5+00.24  
 ROW Bid Item  
 Bulldozer Rental, Item 119

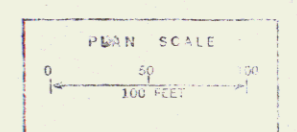


Curve Data  
 $\Delta$  26° 47' 30" LT  
 D 7' 00"  
 R 218.51  
 T 134.93  
 L 352.14  
 G 22.69  
 Bkt. 3' per ft.

RELOC. T.R. #43  
 PC 0+20.50  
 Fairgrounds Rd. (T.R. #42)  
 P1.0 53.50  
 $\Delta$  68° 49' 00" LT  
 PI 17+08.20  
 PT 16+69.81

U.S. Route 5  
 $\Delta$  43° 41' LT  
 D 6'  
 R 563.93  
 T 582.76  
 L 720.06  
 E 73.80

Reloc. T.R. #43 is to be built  
 in its entirety on Stage  
 1 Construction



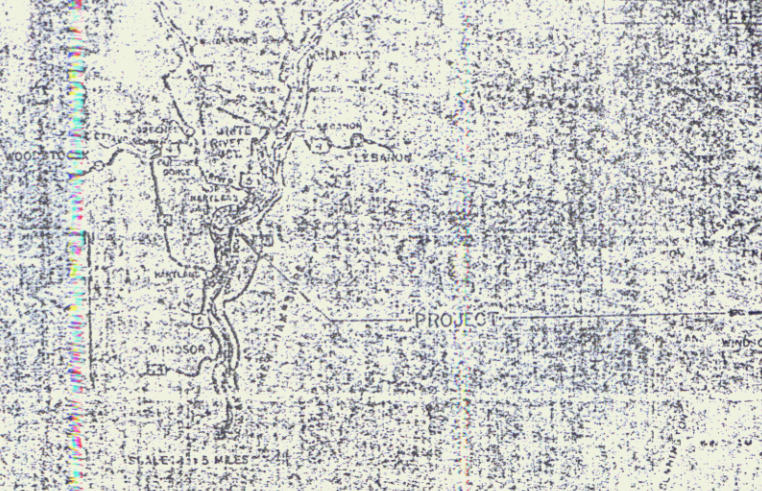
Stage 1 Construction  
 Town Road #43  
 HARLAND - HARTFORD  
 E 51-1(22)  
 Contract 1,  
 Sheet 22 of 163

STATE OF VERMONT  
DEPARTMENT OF TRANSPORTATION  
ROAD AND HIGHWAY ENGINEERING  
TOWN OF HARTLAND - HARTFORD  
COUNTY OF WINDSOR  
INTERSTATE ROUTE 91  
BELLOWS FALLS - WHITE RIVER JCT. ROAD

BEGINNING AT A POINT 2.302 MILES SOUTH OF THE WINDSOR-HARTLAND  
TOWNSHIP LINE AND EXTENDING NORTHEASTLY 2.240 MILES  
LENGTH OF ROADWAY CONTRACT NO. 928 32 FEET 2.240 MILES

ADD. BIDDING	3500.00
EST. COSTS	8000.00
EST. TOTAL	11500.00
EST. PER M.F.	51.83
EST. PER M.F.	51.83

- 1. Plan
- 2. Profile
- 3. Grading
- 4. Elevation
- 5. Section
- 6. Detail
- 7. Foundation
- 8. Bridge
- 9. Culvert
- 10. Drainage
- 11. Retaining Wall
- 12. Earth Retention
- 13. Slope Protection
- 14. Roadway
- 15. Interchange
- 16. Overpass
- 17. Underpass
- 18. Signal
- 19. Traffic Control
- 20. Safety
- 21. Lighting
- 22. Sound Barrier
- 23. Noise Abatement
- 24. Environmental
- 25. Historical
- 26. Archaeological
- 27. Cultural Resources
- 28. Wetlands
- 29. Wetland Delineation
- 30. Wetland Mitigation
- 31. Wetland Restoration
- 32. Wetland Creation
- 33. Wetland Enhancement
- 34. Wetland Protection
- 35. Wetland Management
- 36. Wetland Monitoring
- 37. Wetland Assessment
- 38. Wetland Inventory
- 39. Wetland Mapping
- 40. Wetland Data Collection
- 41. Wetland Data Analysis
- 42. Wetland Data Interpretation
- 43. Wetland Data Reporting
- 44. Wetland Data Archiving
- 45. Wetland Data Access
- 46. Wetland Data Security
- 47. Wetland Data Backup
- 48. Wetland Data Recovery
- 49. Wetland Data Migration
- 50. Wetland Data Integration
- 51. Wetland Data Interoperability
- 52. Wetland Data Interchangeability
- 53. Wetland Data Compatibility
- 54. Wetland Data Portability
- 55. Wetland Data Scalability
- 56. Wetland Data Flexibility
- 57. Wetland Data Reliability
- 58. Wetland Data Availability
- 59. Wetland Data Usability
- 60. Wetland Data Maintainability
- 61. Wetland Data Supportability
- 62. Wetland Data Sustainability
- 63. Wetland Data Resilience
- 64. Wetland Data Adaptability
- 65. Wetland Data Inclusion
- 66. Wetland Data Exclusion
- 67. Wetland Data Inclusion/Exclusion
- 68. Wetland Data Inclusion/Exclusion/Inclusion
- 69. Wetland Data Inclusion/Exclusion/Inclusion/Exclusion
- 70. Wetland Data Inclusion/Exclusion/Inclusion/Exclusion/Inclusion



POOR ORIGINAL COPY

CONTRACT NO. 928  
STATE OF VERMONT

16

① N.B. Curve  
 $\Delta 23^{\circ} 59' 31''$  Lt  
 $D 1^{\circ} 00' 00''$   
 $R 5729.58$   
 $T 1304.81$   
 $L 2365.06$   
 $E 146.58$   
 Bnk.  $\frac{3}{4}$ ' per ft

② S.B. Curve  
 $\Delta 27^{\circ} 43' 00''$  Lt  
 $D 1^{\circ} 00' 00''$   
 $R 5729.58$   
 $T 1415.20$   
 $L 2774.66$   
 $E 172.17$   
 Bnk.  $\frac{3}{4}$ ' per ft

③ N.B. Curve  
 $\Delta 5^{\circ} 0' 12''$  Lt  
 $D 0^{\circ} 30' 00''$   
 $R 11433.16$   
 $T 502.32$   
 $L 11007.00$   
 $E 1100$   
 Bnk.  $\frac{1}{4}$ ' per ft

④ S.B. Curve  
 $\Delta 91^{\circ} 57' 40''$  Lt  
 $D 1^{\circ} 00' 00''$   
 $R 25729.38$   
 $T 495.86$   
 $L 989.45$   
 $E 2196$   
 Bnk.  $\frac{3}{4}$ ' per ft

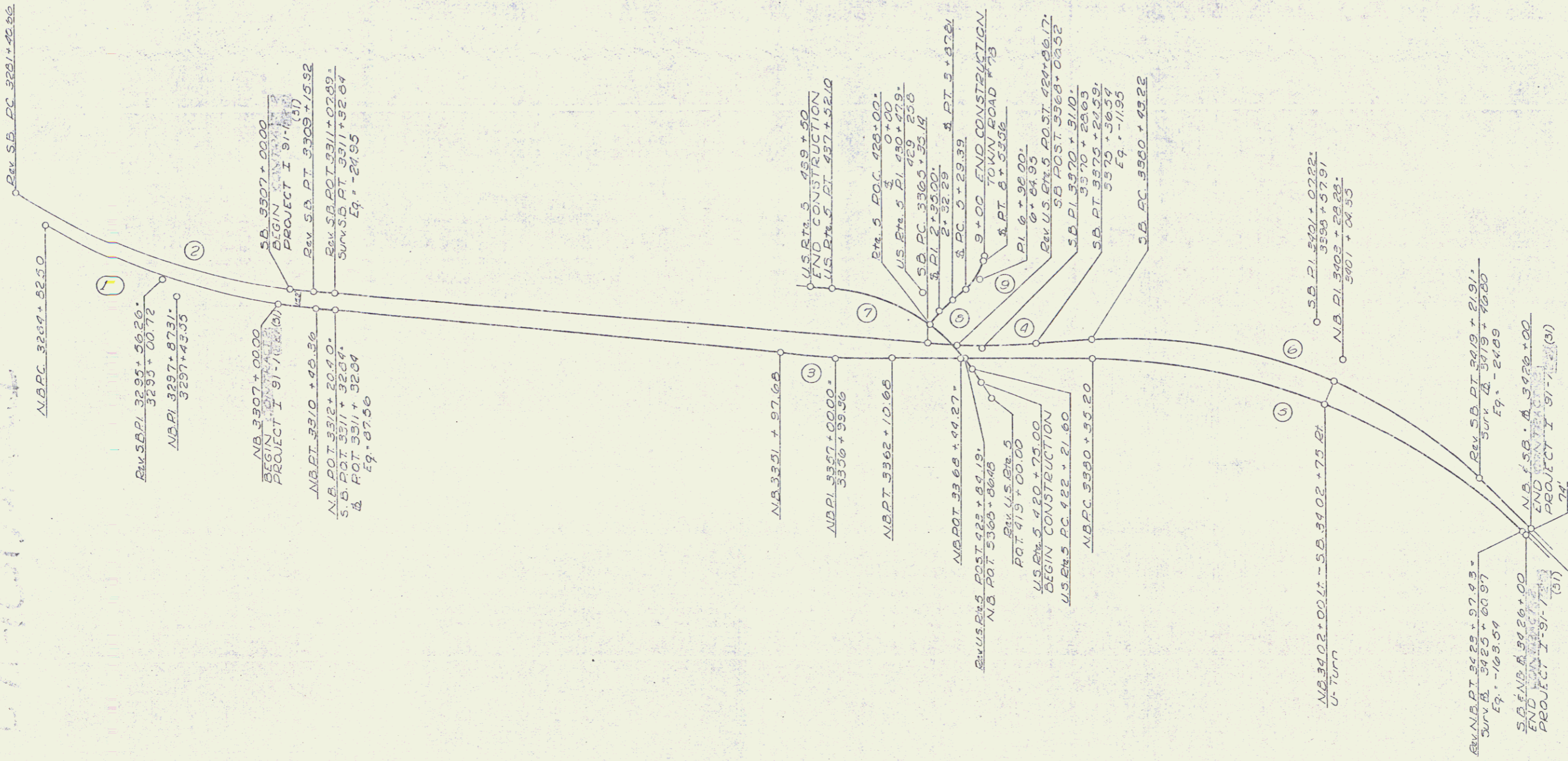
⑤ N.B. Curve  
 $\Delta 43^{\circ} 57' 00''$  Rt  
 $D 1^{\circ} 00' 00''$   
 $R 5729.58$   
 $T 2295.03$   
 $L 4562.23$   
 $E 241.52$   
 Bnk.  $\frac{3}{4}$ ' per ft

⑥ S.B. Curve  
 $\Delta 70^{\circ} 25' 01''$  Rt  
 $D 1^{\circ} 00' 00''$   
 $R 4533.66$   
 $T 2064.00$   
 $L 3678.69$   
 $E 443.27$   
 Bnk.  $\frac{1}{4}$ ' per ft

⑦ U.S. Rt. 5 Curve  
 $\Delta 53^{\circ} 34' 00''$  Lt  
 $D 3^{\circ} 30' 00''$   
 $R 14571.02$   
 $T 2264.32$   
 $L 15304.43$   
 $E 196.73$   
 Bnk.  $\frac{1}{4}$ ' per ft

⑧ T.D. #78 Curve  
 $\Delta 18^{\circ} 30' 00''$  Rt  
 $D 6' 00' 00''$   
 $R 954.93$   
 $T 155.52$   
 $L 308.53$   
 $E 12.30$   
 Bnk.  $\frac{1}{4}$ ' per ft

⑨ T.D. #78 Curve  
 $\Delta 58^{\circ} 34' 00''$  Lt  
 $D 12' 00' 00''$   
 $R 477.47$   
 $T 168.61$   
 $L 324.17$   
 $E 28.90$   
 Bnk.  $\frac{3}{4}$ ' per ft



Stage 2 Construction  
 HARTLAND-HARTFORD  
 I 91-11 (31)  
 Jan. 03 Scale 1"=500'  
 Sheet 3 of 222

\* THREE CASLS GUARD RAIL  
w/STEEL POSTS, ITEM 513 542  
NB 3307+00-3311+66 (ahead) DI

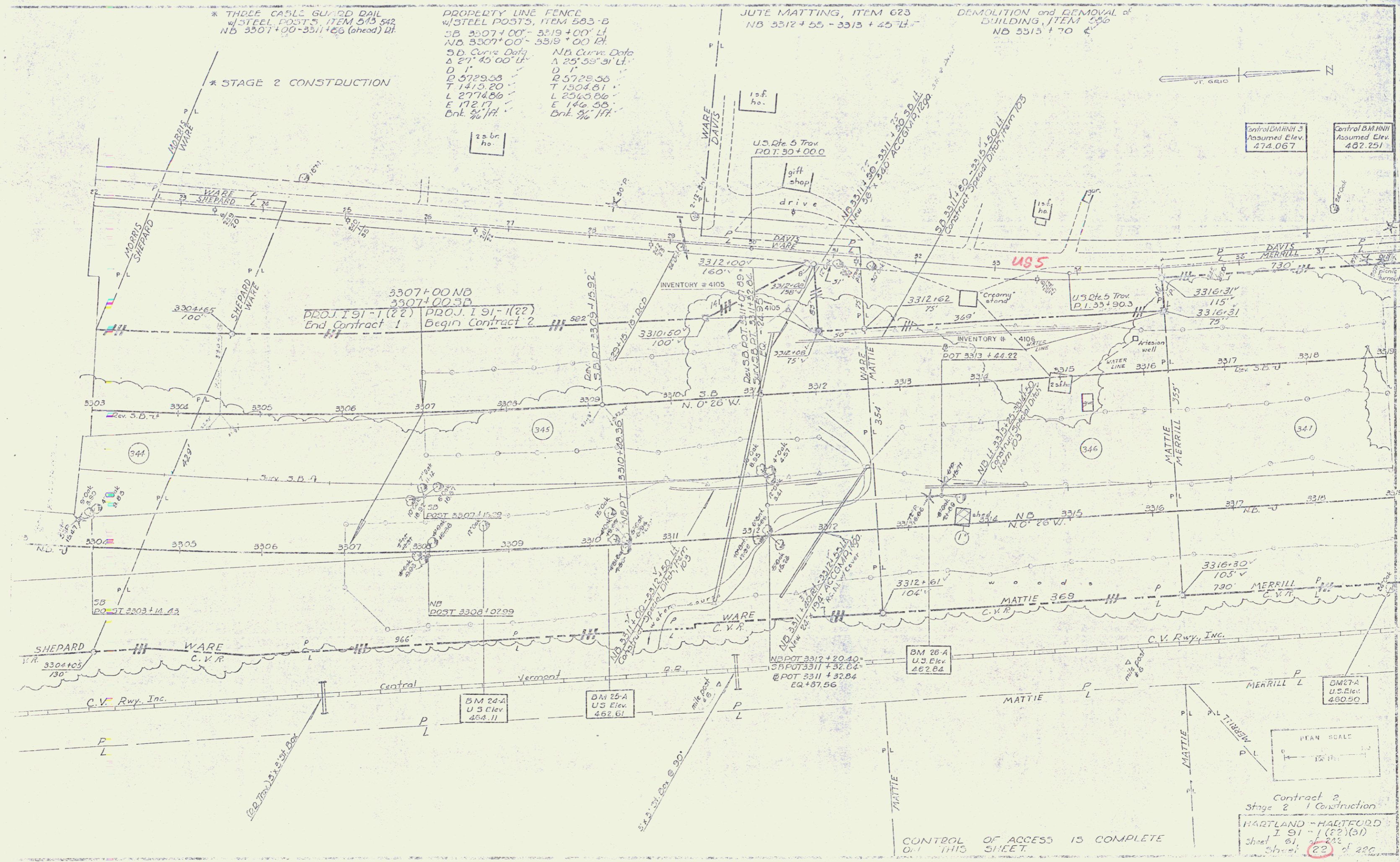
\* STAGE 2 CONSTRUCTION

PROPERTY LINE FENCE  
w/STEEL POSTS, ITEM 583-B

SB 3307+00'- 3319+00' L	NB Curve Data	NB Curve Data
NB 3307+00'- 3318+00' R	$\Delta 27.45' 00''$ L	$\Delta 25.53' 31''$ L
	D 1'	D 1'
	R 5729.58	R 5728.56
	T 1415.20	T 1304.81
	L 2774.86	L 2345.86
	E 172.17	E 146.58
	Cnt. 3% 1/4"	Cnt. 3% 1/4"

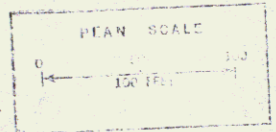
JUTE MATTING, ITEM 623  
NB 3312+55- 3313+45 74'

DEMOLITION and REMOVAL of  
BUILDING, ITEM 596  
NB 3313+70



Central BM 1113  
Assumed Elev.  
474.067

Central BM 1114  
Assumed Elev.  
462.251

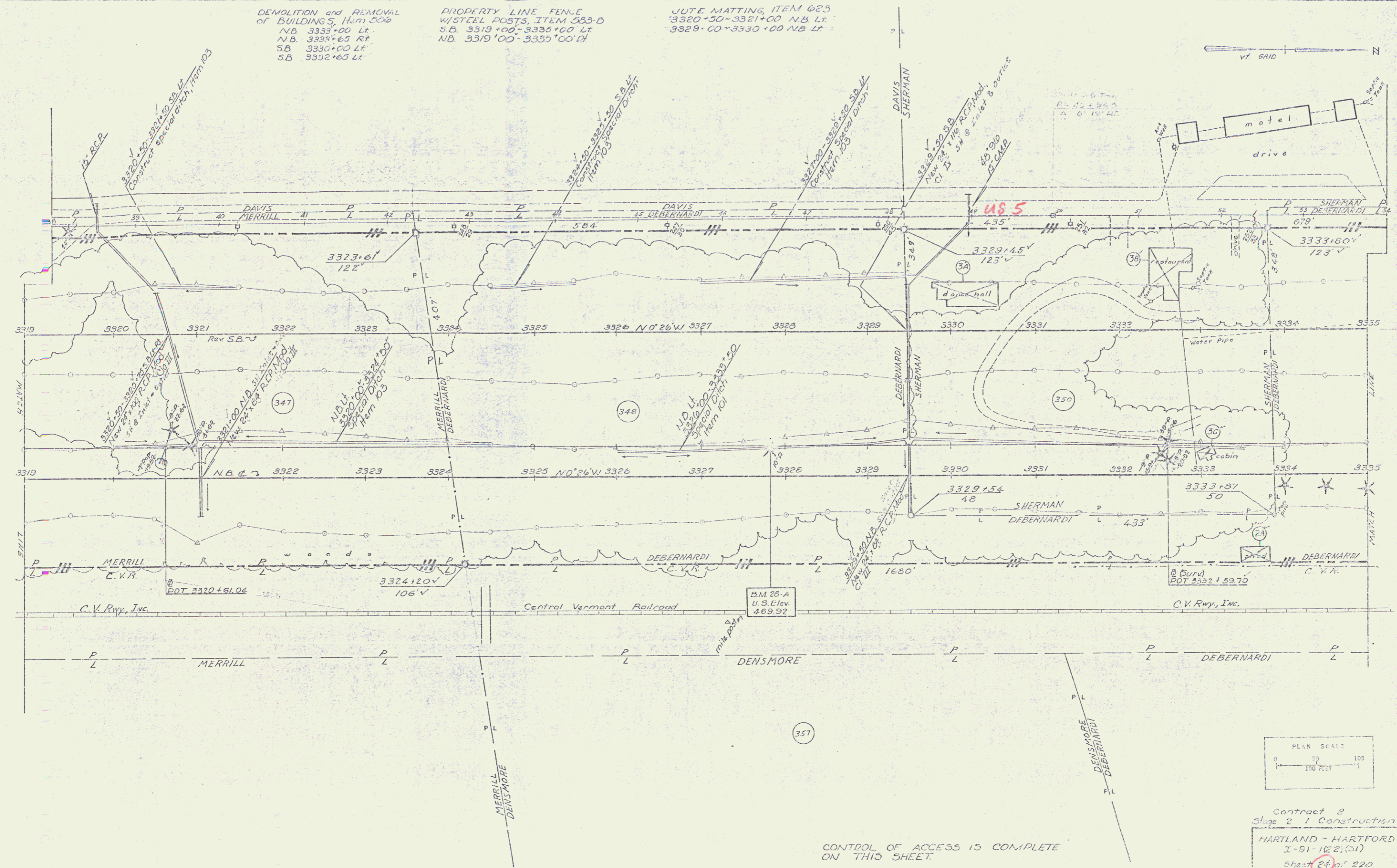


Contract 2  
Stage 2 Construction  
HARTLAND - HARTFORD  
I 91 - 1 (22) (31)  
Sheet 61 of 222  
Sheet 22 of 222

DEMOLITION and REMOVAL  
of BUILDINGS, Item 506  
NB 3333+00 Lt.  
NB 3333+65 Rt.  
SB 3330+00 Lt.  
SB 3332+63 Lt.

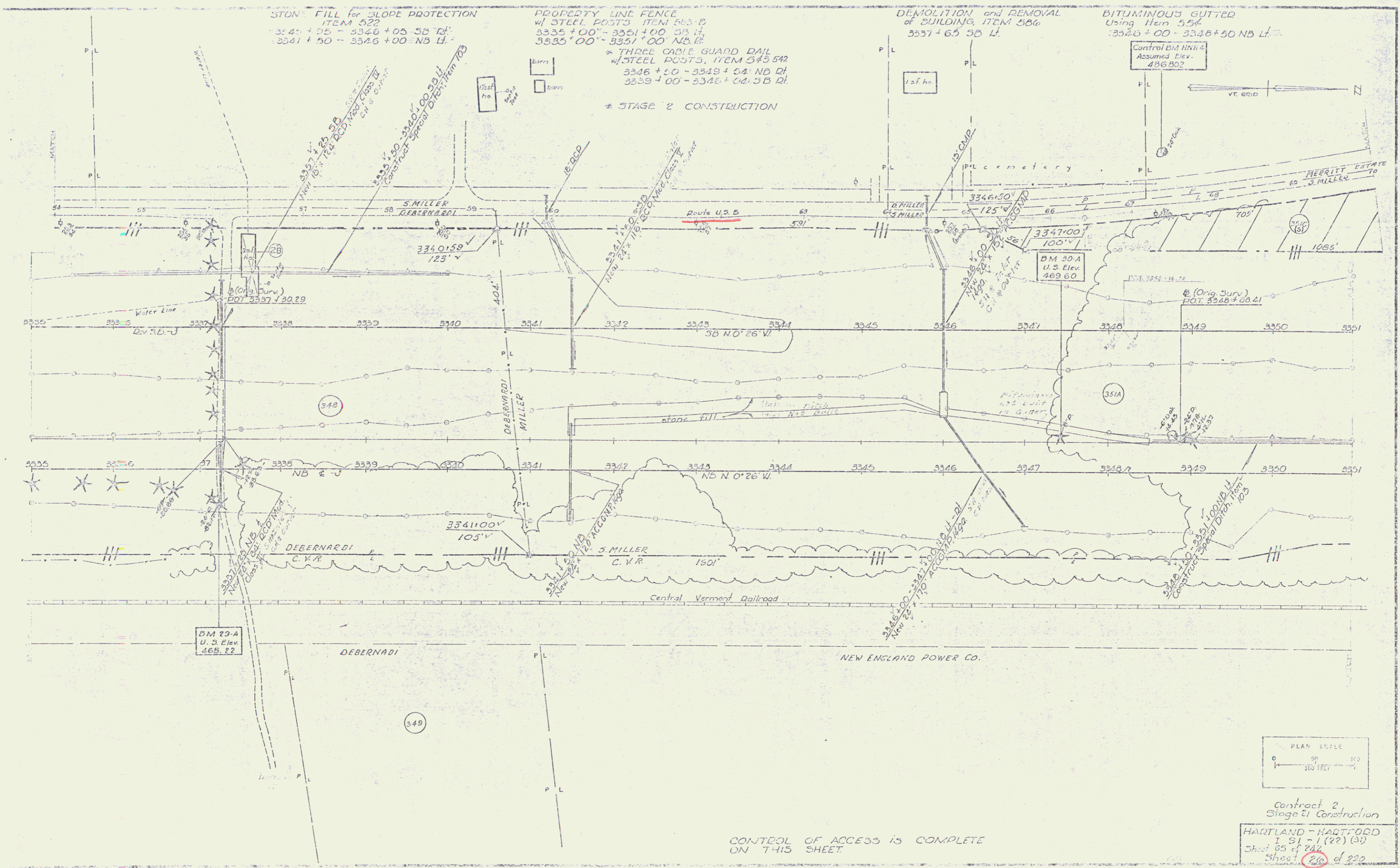
PROPERTY LINE FENCE  
W/STEEL POSTS, ITEM 533-D  
SB 3319+00-3335+00 Lt  
NB 3319+00-3335+00 Rt

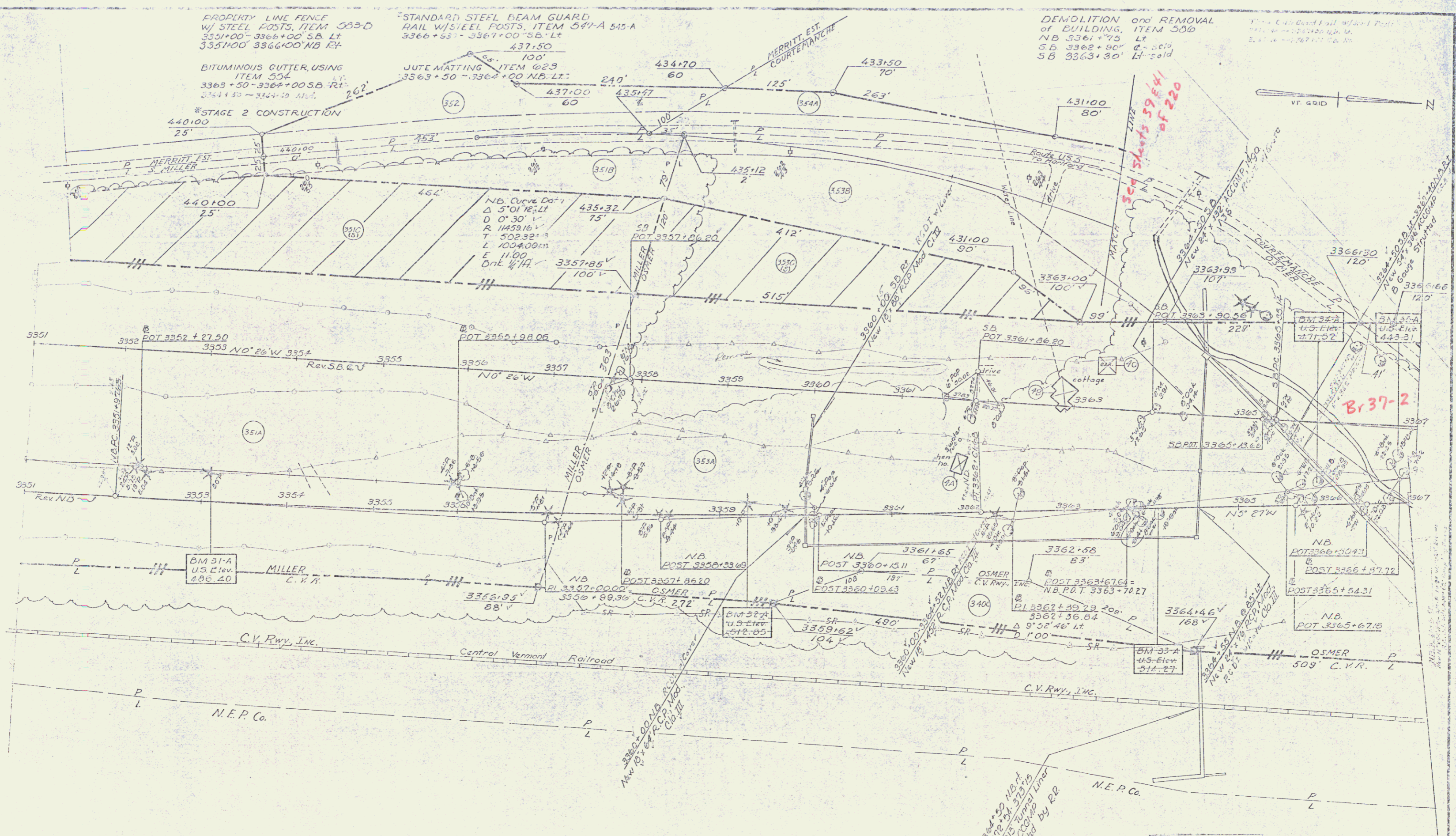
JUTE MATTING, ITEM 625  
3320+30-3321+00 NB Lt  
3329+00-3330+00 NB Lt



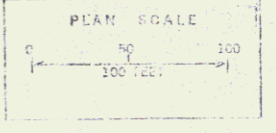
CONTROL OF ACCESS IS COMPLETE  
ON THIS SHEET.

Contract 2  
Stage 2 Construction  
HARTLAND - HARTFORD  
I-91-162(21)  
Sheet 24 of 220  
Sheet 63 of 222





CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.



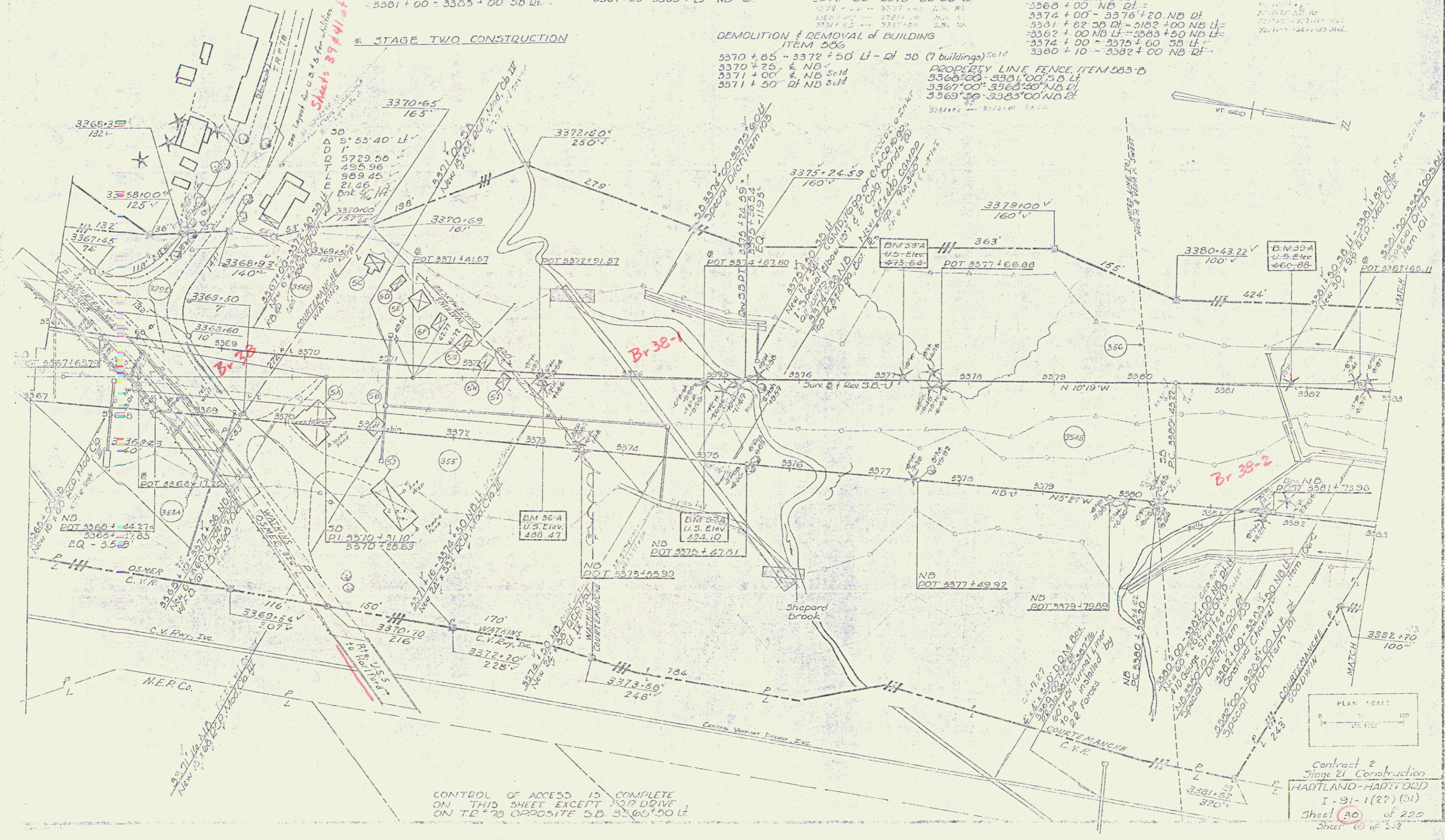
Contract 2  
 Stage 2 Construction  
 HARTLAND - HARTFORD  
 I-91 - 102(31)  
 Sheet 25 of 220  
 Sheet 67 of 712

SUB-BASE OF SAND, ITEM 202  
 3367+00 - 3372+50 SB  
 3368+30 - 3373+60 ND  
 \* STEEL GUIDE POSTS, ITEM 548-D  
 3361+00 - 3363+00 SB DL  
 STANDARD STEEL BEAM GUARD  
 RAIL w/ STEEL POSTS, ITEM 547-A  
 3367+00 - 3367+72 SB L 545A  
 3368+26 - 3368+93 ND L  
 3367+50 - 3368+17 SB DL  
 3367+00 - 3369+29 ND DL  
 \* THREE CABLE GUARD RAIL  
 w/ STEEL POSTS, ITEM 543 542  
 3372+20 - 3377+20 NB DL  
 3379+50 - 3380+92 NB DL  
 3380+50 - 3383+00 NB DL  
 3372+50 - 3375+50 SB DL  
 \* TREATED TIMBER CURB, ITEM 550  
 3372+50 - 3375+50 SB L  
 JUTE MATTING, ITEM 623  
 3375+60 - 3376+65 SB L  
 STONE FILL for SLOPE PROTECTION  
 ITEM 522-514  
 3368+00 NB DL  
 3374+00 - 3376+20 NB DL  
 3381+02 SB DL - 3182+00 NB L  
 3382+00 NB L - 3383+50 NB L  
 3374+00 - 3375+60 SB L  
 3380+10 - 3382+00 NB DL

**\* STAGE TWO CONSTRUCTION**

**DEMOLITION & REMOVAL OF BUILDING  
ITEM 506**

**PROPERTY LINE FENCE, ITEM 583-B**



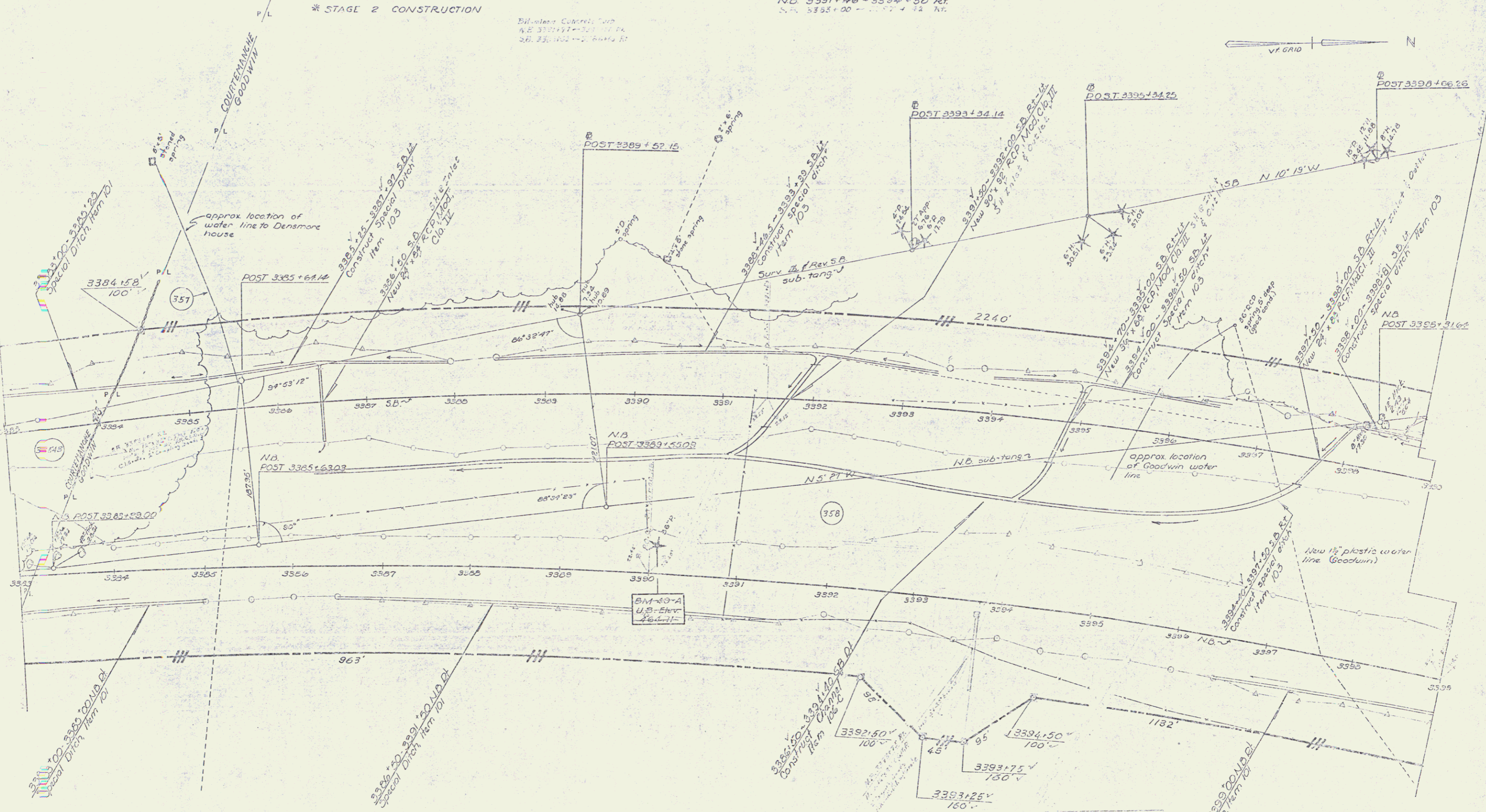
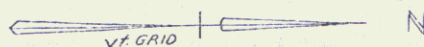
\* STEEL GUIDE POSTS  
ITEM 545-D 547-B  
S.D. 3353+00-3367+40 R/L  
\* STAGE 2 CONSTRUCTION

DRILLING and BLASTING of  
SOLID ROCK ITEM 114  
S.B. 3363+00-3365+80 L/R

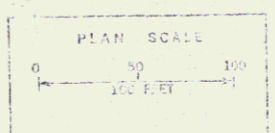
\* THREE CABLE GUARD RAIL  
w/ STEEL POSTS ITEM 543 542  
N.B. 3383+00-3384+50 L/R  
N.B. 3391+46-3394+50 R/L  
S.B. 3393+00-3394+74 R/L

PROPERTY LINE FENCE ITEM 503-B  
N.B. 3363+00 R/L - 3399+00 L/R  
S.B. 3363+00 R/L - 3399+00 L/R

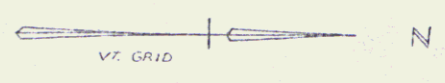
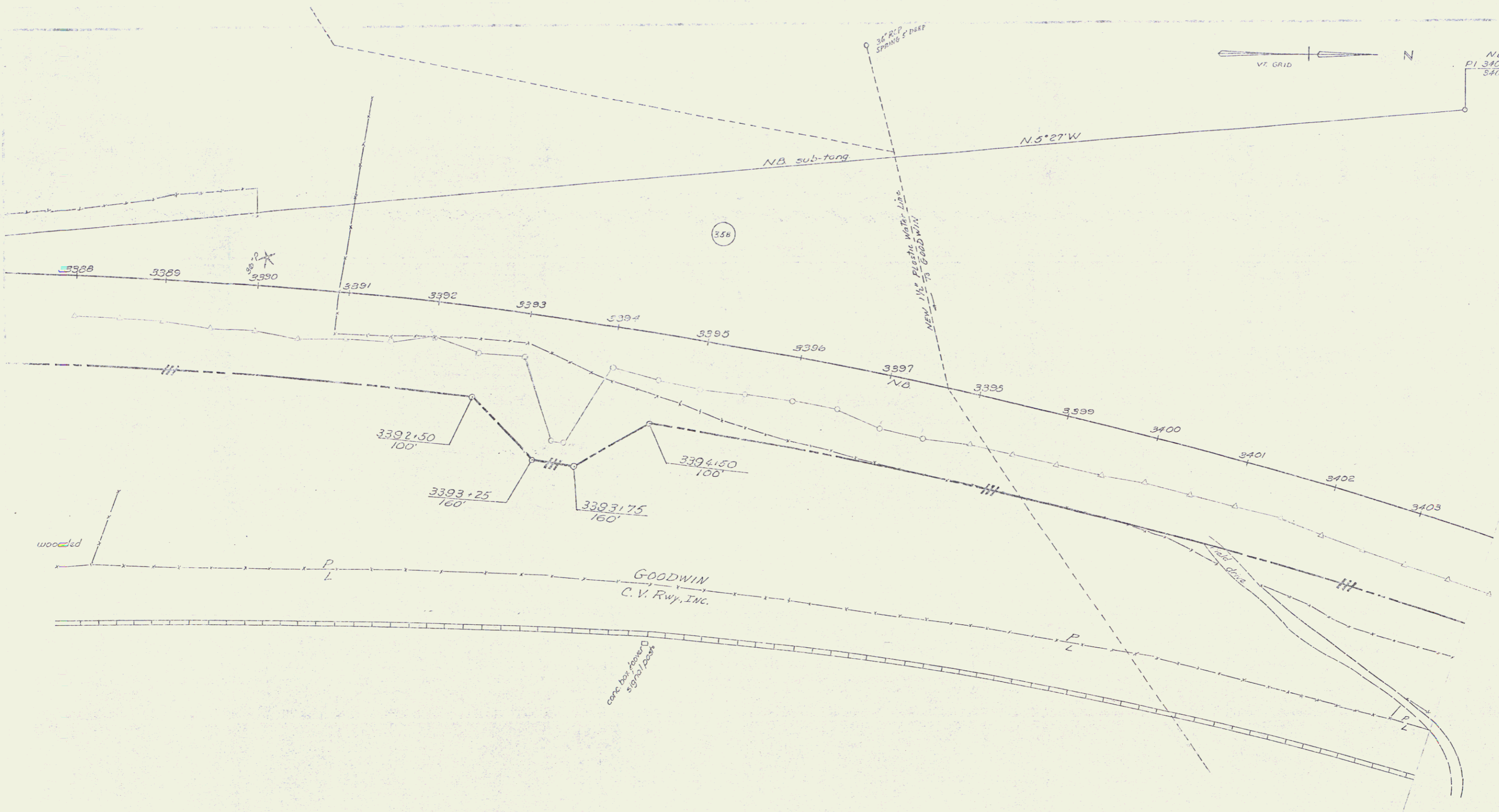
Billboard Concrete Top  
4.5' 3391+71-3391+74 R/L  
S.B. 3391+71-3391+74 R/L



CONTROL OF ACCESS IS COMPLETE  
ON THIS SHEET



Contract 2  
Stage 2 Construction  
HARTLAND-HARTFORD  
I-91-1(22)(3)  
Sheet 52 of 50  
Sheet 71 of 72



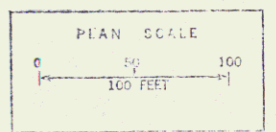
N.B.  
 P.I. 3403 + 28.88'  
 5471 + 04.35'  
 04.76'

(356)

wooded

GOODWIN  
 C. V. Rwy. INC.

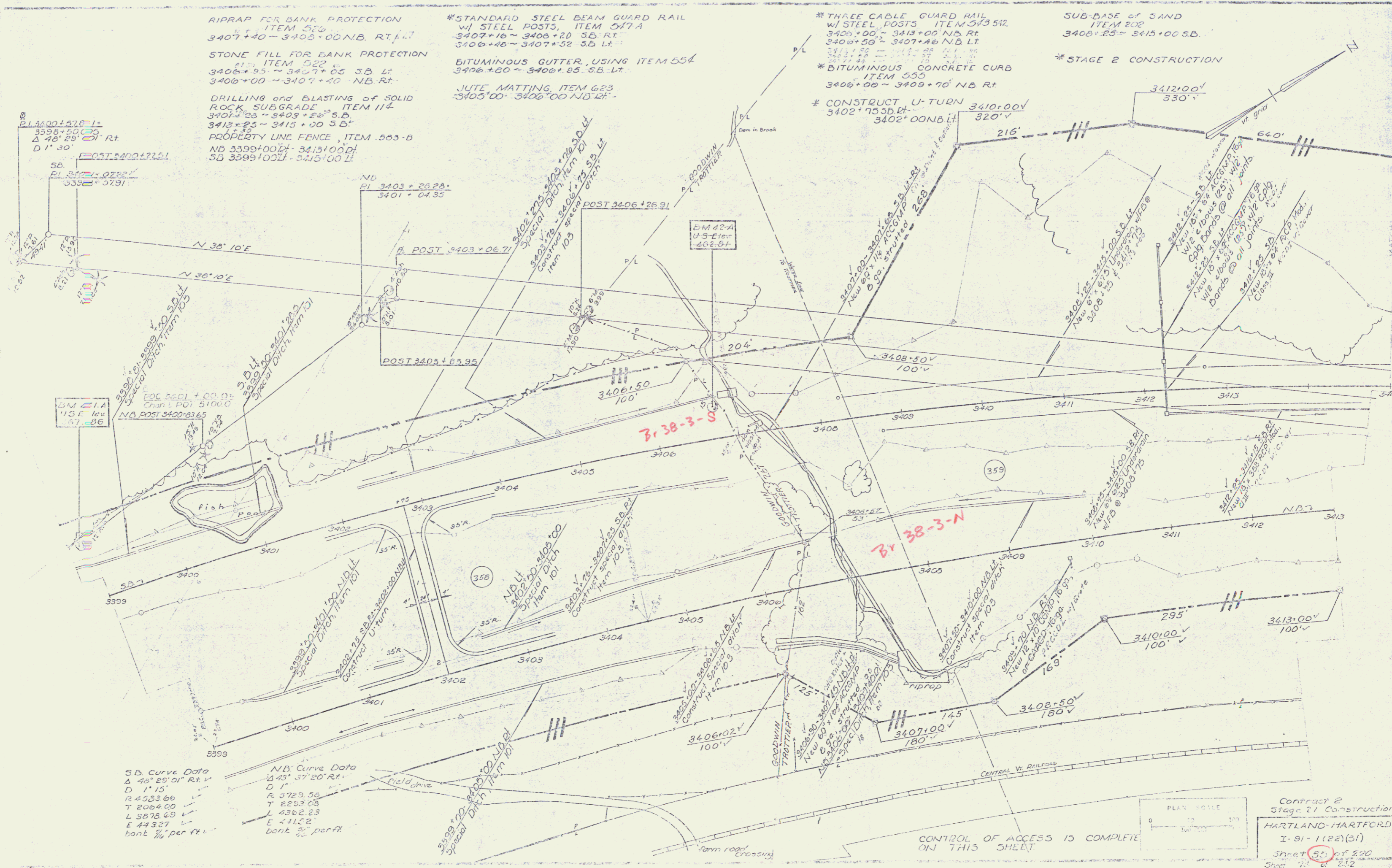
concrete tower  
 signal post



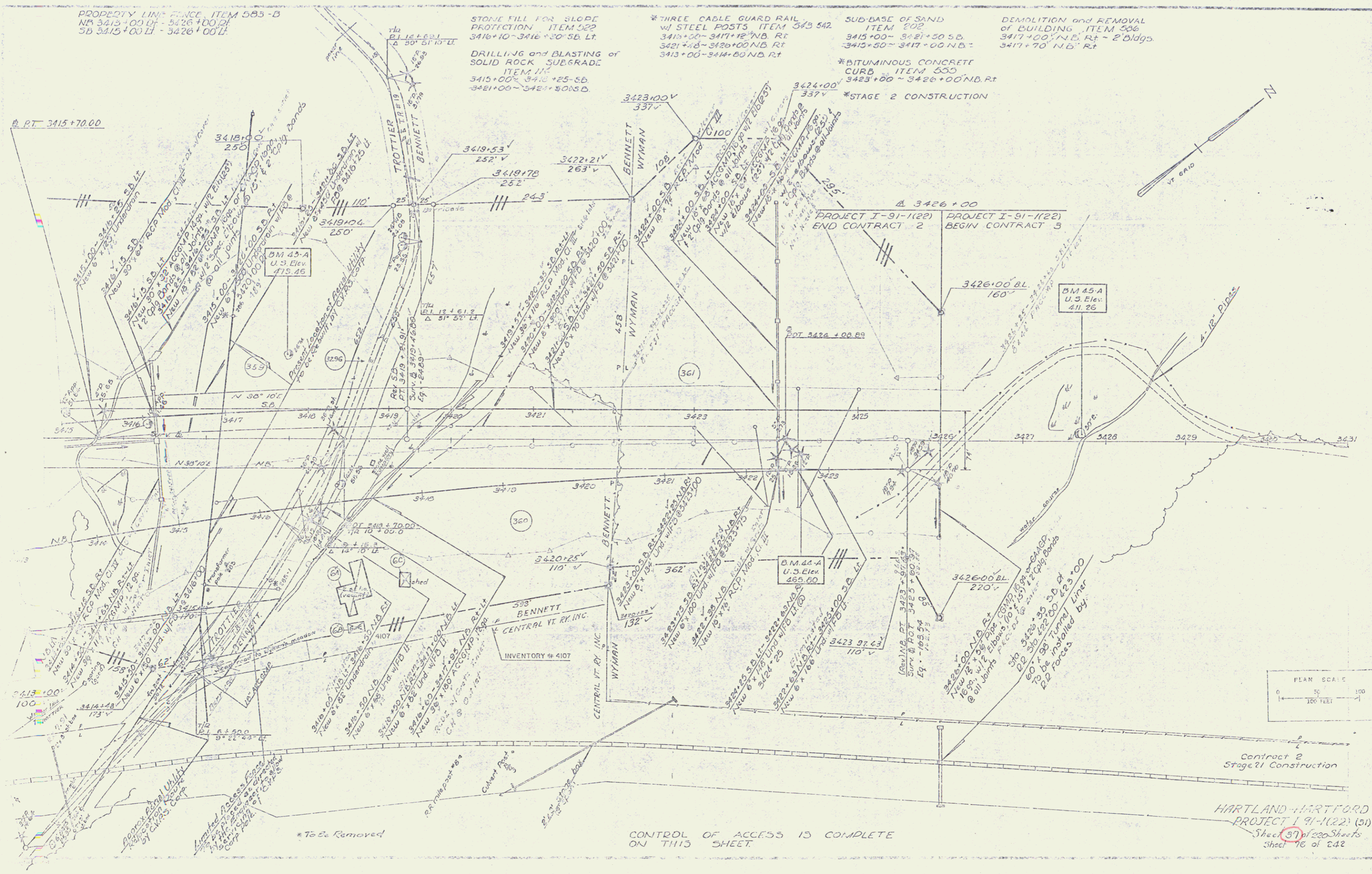
CONTROL OF ACCESS IS COMPLETE  
 ON THIS SHEET.

Contract 2  
 Stage 21 Construction  
 HARTLAND - HARTFORD  
 I-91-1(22) (51)  
 Sheet 35 of 220  
 Sheet 72 of 222

24



Contract 2  
 Stage 2 Construction  
 HARTLAND-HARTFORD  
 I-91-1(22)(31)  
 Sheet 55 of 220  
 Sheet 11 of 212



CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

HARTLAND-HARTFORD  
PROJECT I-91-1(22) (51)  
Sheet 37 of 220 Sheets  
Sheet 16 of 242



U.S. Dte. 5  
 Δ 53° 34' Lt.  
 D 3' 30"  
 R 1637.02'  
 T 826.32'  
 L 1530.48'  
 E 196.73'  
 bank 1/4 ft.

EXCAVATION & REMOVAL of ROAD SURFACE  
 on ROADWAYS ITEM 103-A  
 428+25 - 430+00'

THREE CABLE GUARD RAIL  
 w/STEEL POSTS ITEM 543  
 420+76 - 428+92 Lt.  
 427+15 - 430+00 Lt.  
 426+65 U.S. Dte. - 70° 78' 14 21 Rt.  
 420+45 - 421+09 Lt.  
 427+02 - 427+66 Lt.  
 72° 78' 14 37 Lt. - 432+07 U.S. Dte. 5

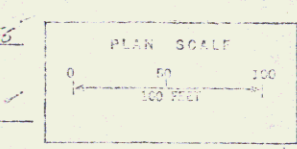
DEMOLITION & DISPOSAL of PRESENT  
 GUARD RAIL, ITEM 550  
 420+45 - 421+01 Lt.  
 420+76 - 425+96 Lt.  
 429+00 - 429+60 Lt.  
 429+00 - 429+62 Lt.  
 429+00 - 429+62 Lt.  
 429+00 - 429+62 Lt.

TWO CABLE GUARD RAIL  
 ITEM 542  
 428+20 - 428+84 Rt. (72° 78')

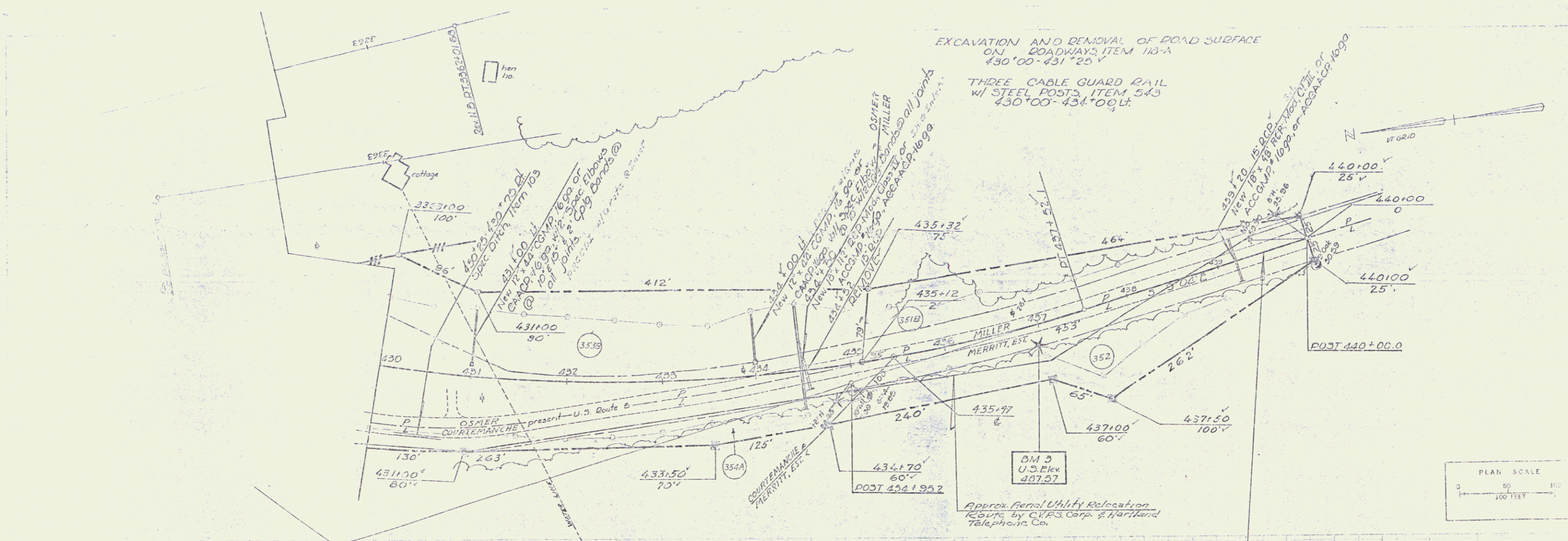
TREATED TIMBER CURB  
 ITEM 558  
 428+40 - 430+00 Lt.

CONSTRUCT DRIVE  
 5' 00" (T.D. #76)

Type of Instr. Agreement	Town	Date	Book & Page
	Hartford	10/26/74	50/10/10

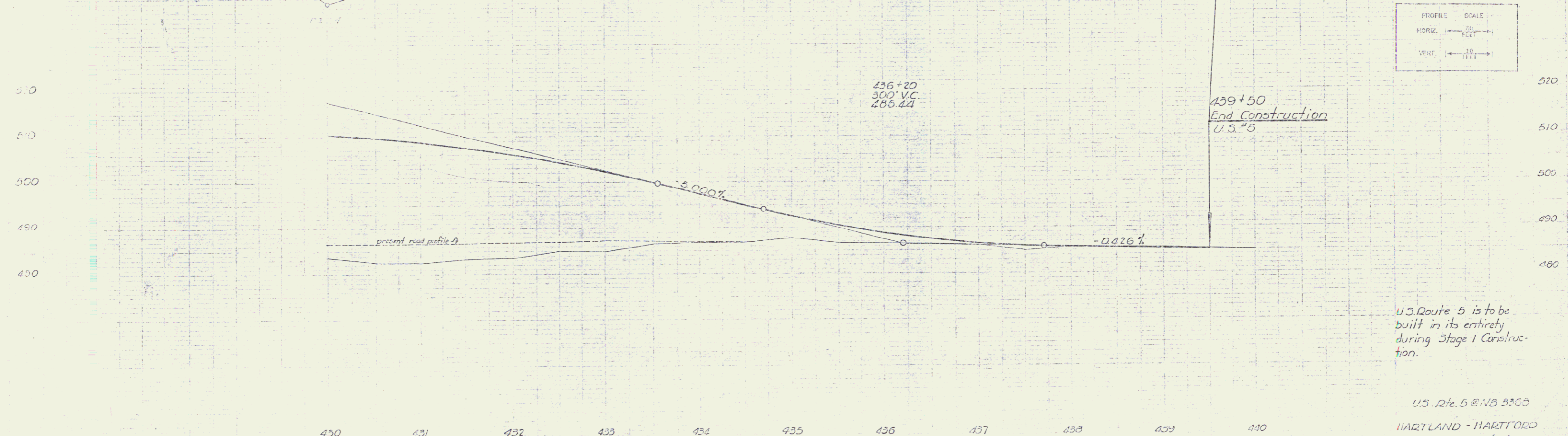
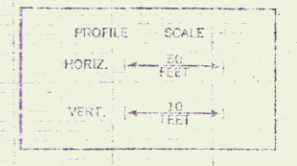
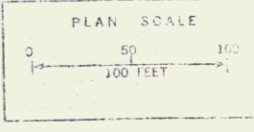
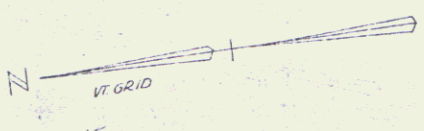


Contract 2  
 Stage 1 Construction  
 U.S. Dte. 5 @ NB 3368  
 HARTLAND - HARTFORD  
 T-31-1(72)  
 Contract 2  
 Sheet (59) of 220



EXCAVATION AND REMOVAL OF ROAD SURFACE ON ROADWAYS ITEM 110-A 430+00-431+25 V

THREE CABLE GUARD RAIL w/ STEEL POSTS ITEM 543 430+00-434+00 LH

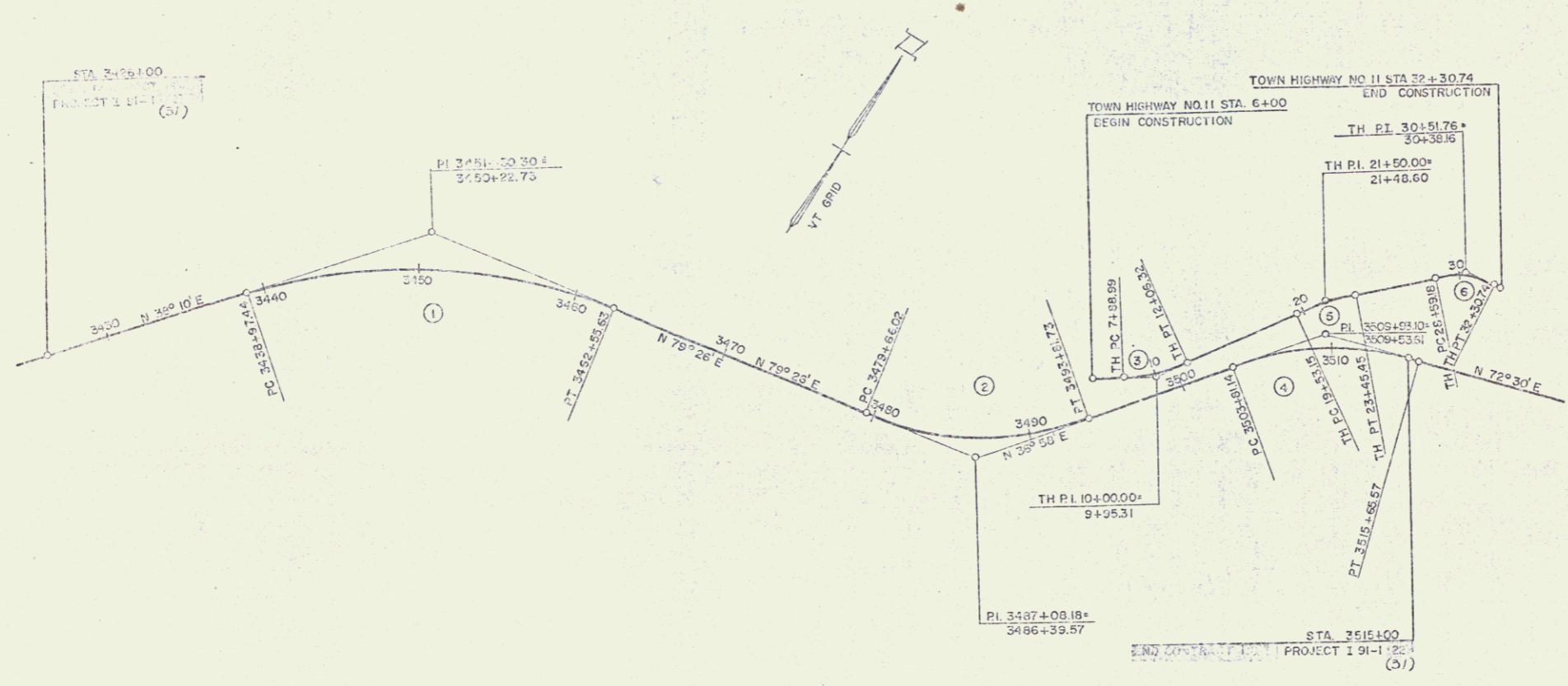


U.S. Route 5 is to be built in its entirety during Stage 1 Construction.

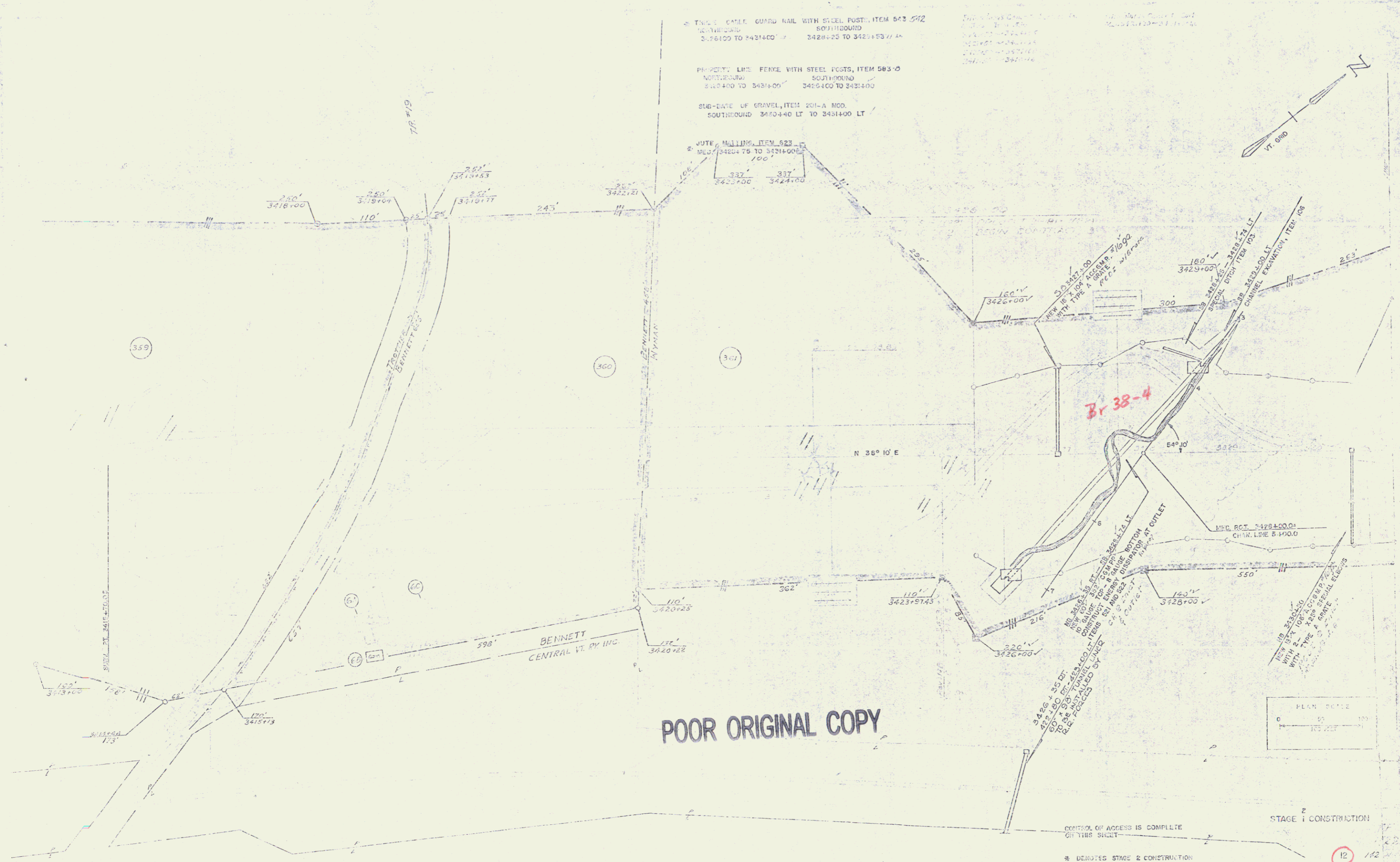
U.S. Rte. 5 & NB 3300  
 HARTLAND - HARTFORD  
 T 91-1 (22)  
 Contract 2  
 Sheet 41 of 210



CURVE ① MED.	CURVE ② MED.	CURVE ③ TH II	CURVE ④ MED.	CURVE ⑤ TH II	CURVE ⑥ TH II
Δ 41° 16' 06" LT	Δ 42° 28' 11" LT	Δ 20° 52' 00" LT	Δ 35° 31' 55" RT	Δ 11° 46' 00" RT	Δ 37° 09' RT
D 15.45'	D 3"	D 5"	D 3"	D 3"	D 10'
R 2274.05'	R 1509.66'	R 1145.92'	R 1909.86'	R 1909.86'	R 572.95'
T 1232.66'	T 742.16'	T 211.01'	T 611.95'	T 186.85'	T 192.58'
L 2358.19'	L 1418.71'	L 417.33'	L 1184.43'	L 562.30'	L 371.56'
E 544.47'	E 391.15'	E 10.27'	E 95.64'	E 10.11'	E 31.49'
BANK 1/16" PER FT.	BANK 1/16" PER FT.	BANK 1/16" PER FT.	BANK 1/16" PER FT.	BANK 1/16" PER FT.	BANK 1/16" PER FT.



Stage 2 Construction  
**HARTLAND-HARTFORD**  
 ALIGNMENT SHEET  
 STAGE 2 CONSTRUCTION  
 PROJ. I NO. 91-1 (57)  
 SHEET 2 of 12 Sheet 4 of 212



POOR ORIGINAL COPY

CONTRACT 3  
 Sheet 10 of 222

500 - BASE OF GRAVEL, ITEM 500-A MOD  
NB 3434400 - 3434475 LT  
SB 3434490 - 3434430 LT

4 TAPED CARBON CORRO RAIL WITH STEEL POSTS, ITEM 543 562  
NORTHBOUND 3434400 - 3434475  
SOUTHBOUND 3434430 - 3434490

PROPERTY LINE FENCE WITH STEEL POSTS, ITEM 563-D  
NORTHBOUND 3434400 - 3434475  
SOUTHBOUND 3434430 - 3434490

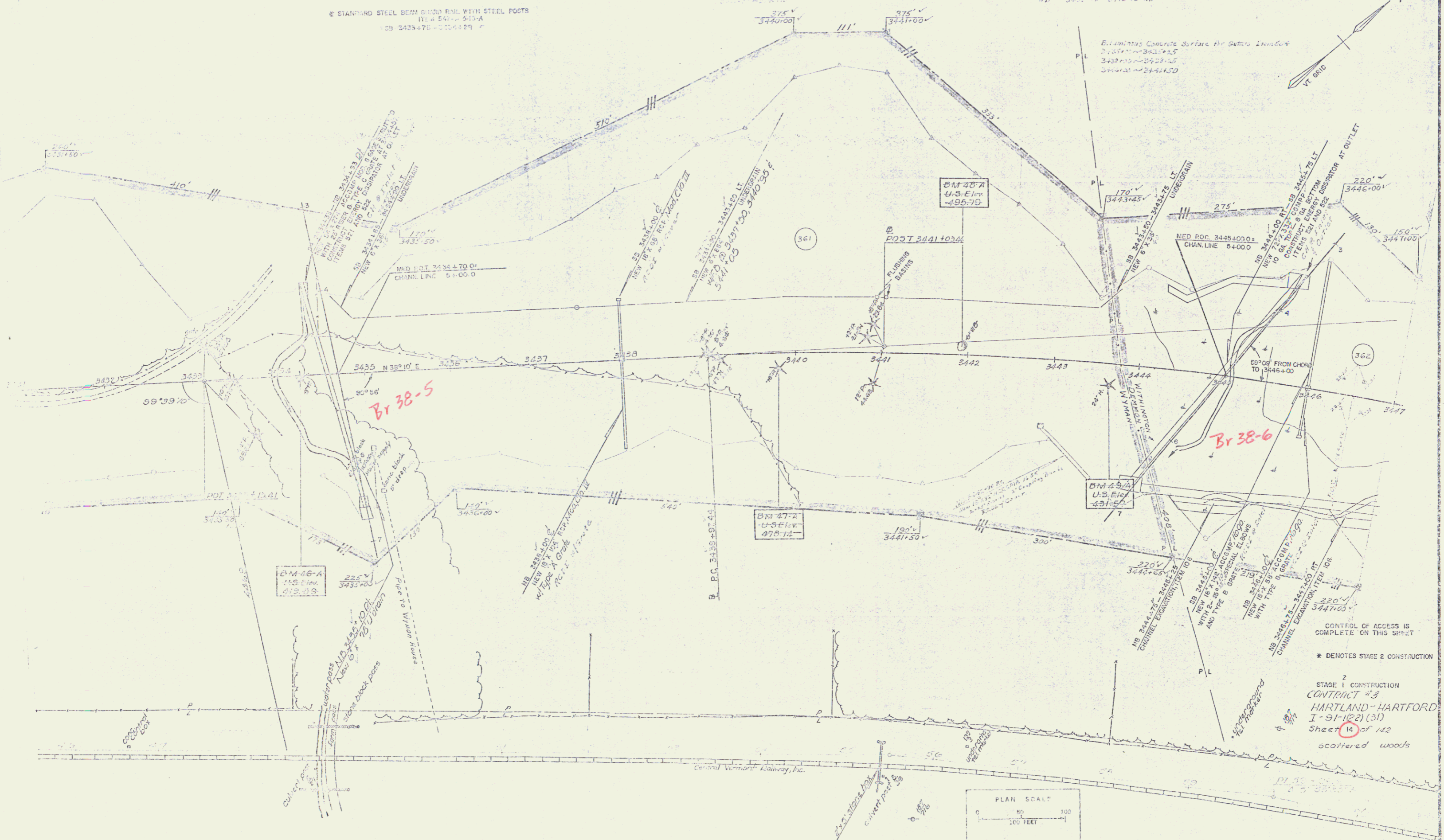
4 PILE MATTING, ITEM 623  
3434400 - 3434475 MED  
3434430 - 3434490 MED  
3434400 - 3434430 MED  
3434430 - 3434490 MED

STONE FILL FOR SLOPE PROTECTION, ITEM 522  
NORTHBOUND 3444412 - 3447400 RT  
SOUTHBOUND 3444420 - 3449400 LT

BITUMINOUS CONCRETE CURB, ITEM 555  
NB 3443400 - 3447400 RT  
SB 3443400 - 3447400 LT

2 STANDARD STEEL BEAM GROUND RAIL WITH STEEL POSTS  
NB 3425475 - 3425429

Existing Concrete Surface Air Settles Eliminated  
P.L. 3443400 - 3443425  
3443400 - 3443425  
General = 3443400



CONTROL OF ACCESS IS COMPLETE ON THIS SHEET  
\* DENOTES STAGE 2 CONSTRUCTION  
STAGE 2 CONSTRUCTION  
CONTRACT #3  
HARTLAND - HARTFORD  
I-91-102 (31)  
Sheet 14 of 142  
scattered woods

Sheet 00 of 242

STONE FILL FOR SLOPE PROTECTION, ITEM 522  
NB 3447+00 - 3448+50 LT  
SB 3451+24 - 3451+55 LT

HYDRANT CONCRETE CURB, ITEM 555  
NB 3447+00 - 3448+50 RT  
SB 3451+24 - 3451+55 LT

DRILLING AND BLASTING OF SOLID ROCK SUB-GRADE, ITEM 114  
3452+50 - 3458+80 LT

THREE CABLE GUARD RAIL RAIL WITH STEEL POSTS, ITEM 542  
NORTHBOUND  
3447+00 - 3448+60 RT  
SOUTHBOUND  
3450+55 - 3451+85 RT

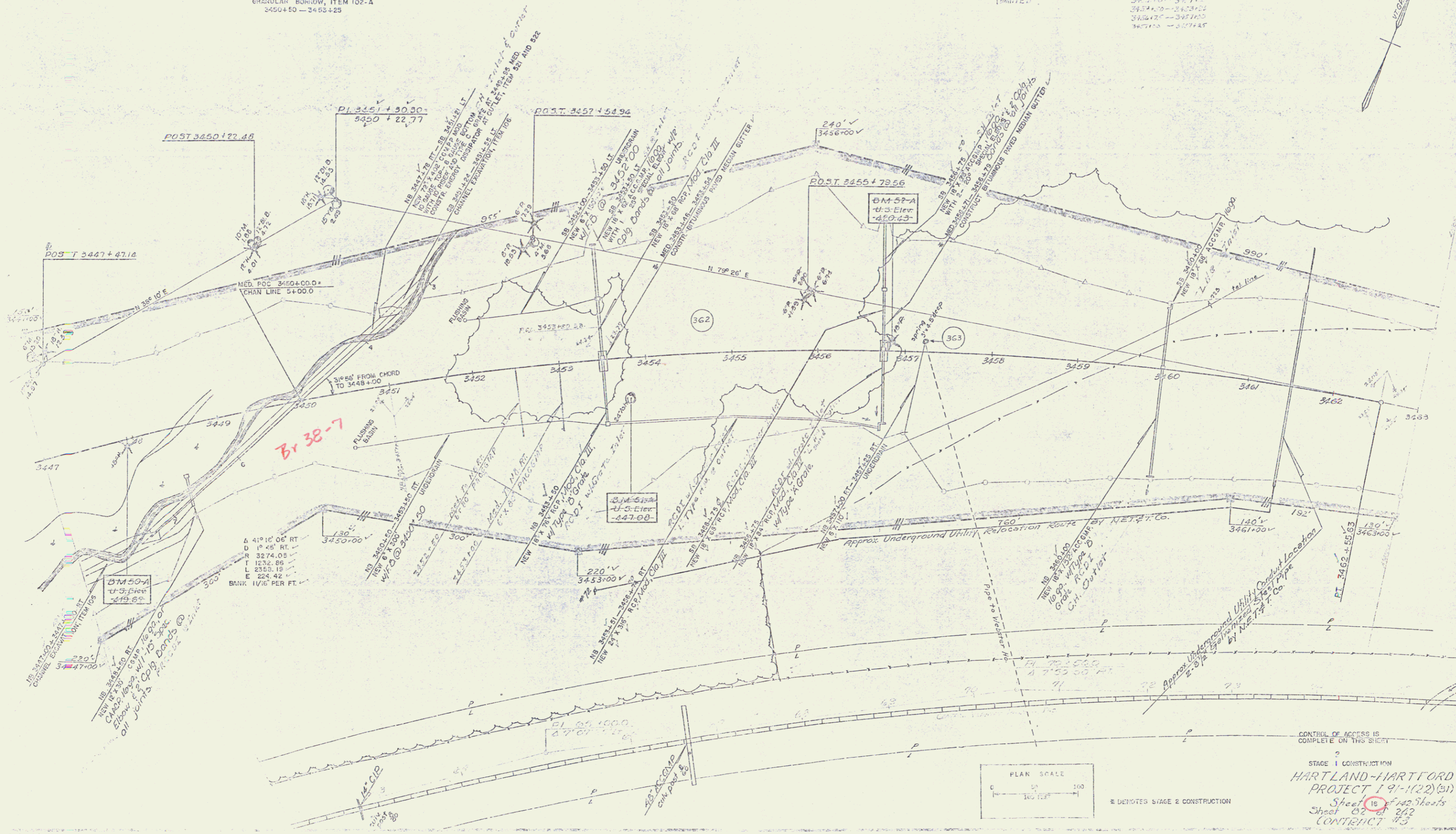
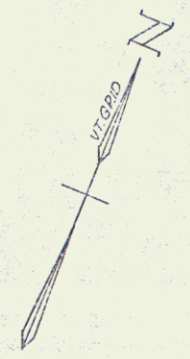
JUTE MATTING, ITEM 623  
# 3448+00 - 3449+85 MED  
# 3451+70 - 3453+50 MED  
# 3458+25 - 3460+00 MED  
# 3462+00 - 3463+00 MED  
3451+75 - 3453+50 RT NB  
3451+75 - 3453+50 LT SB

PROPERTY LINE FENCE WITH STEEL POSTS, ITEM 583-0  
NORTHBOUND  
3454+50 - 3463+00  
SOUTHBOUND  
3456+50 - 3463+00

GRANULAR BORROW, ITEM 102-A  
3450+50 - 3453+25

DRILLING AND PREFRUITING OF SOLID ROCK, ITEM 125  
SB 3454+00 - 3454+80 RT

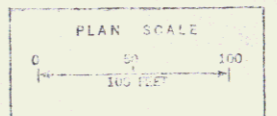
DRILLING AND PREFRUITING OF SOLID ROCK, ITEM 125  
3454+00 - 3454+80 RT



Δ 419.16' 06" RT  
D 19' 45" RT  
R 3274.03'  
T 1232.86'  
L 2353.18'  
E 224.42'

DM 57-A  
U.S. Elev.  
449.83'

DM 57-A  
U.S. Elev.  
447.00'

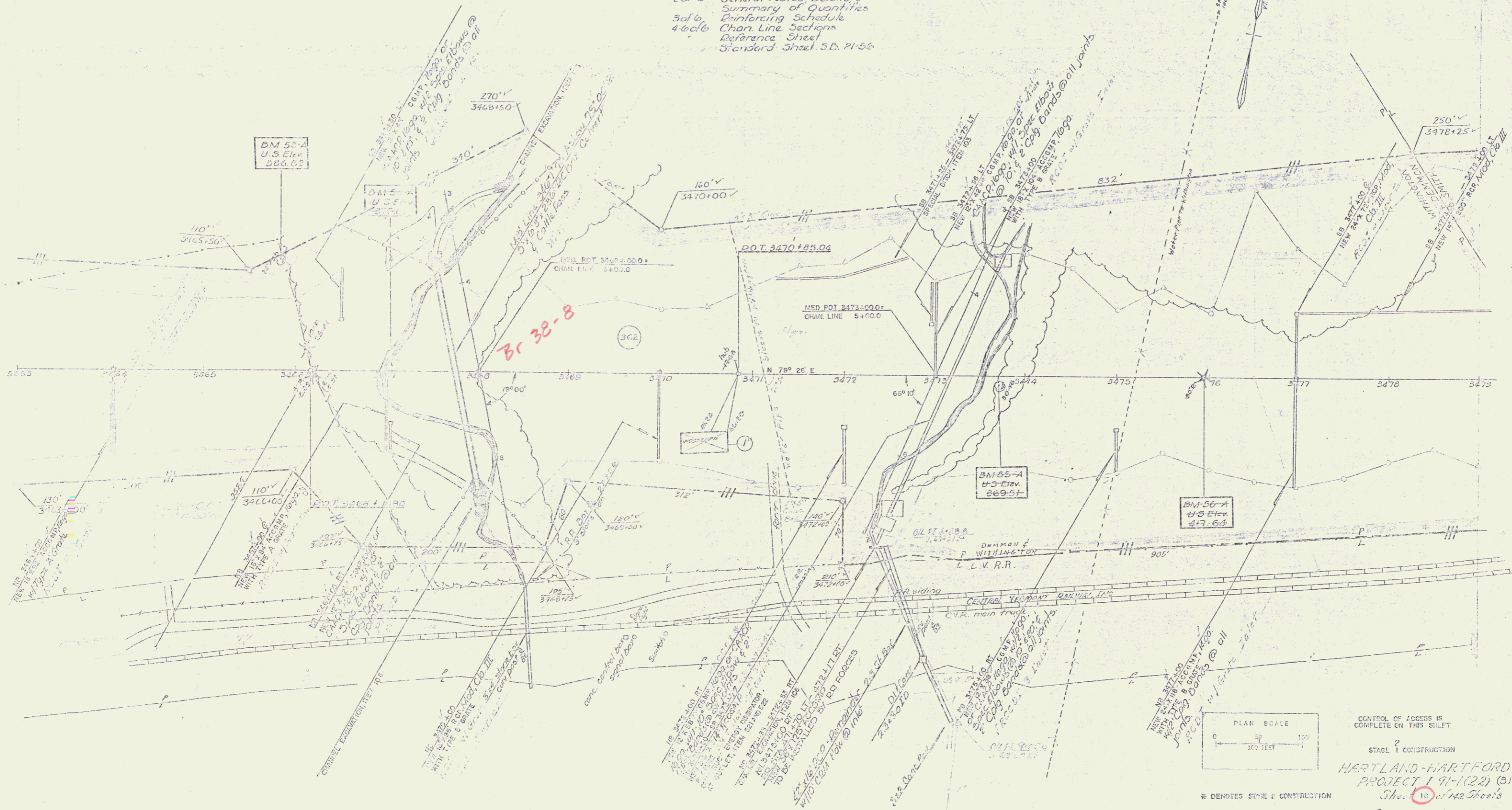


DEPOTES SVAGE & CONSTRUCTION

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET  
STAGE 1 CONSTRUCTION  
HARTLAND-HARTFORD PROJECT 191-1(22)(B1)  
Sheet 16 of 42 Sheets  
Sheet 02 of 242  
CONTRACT 193

STONE FILL FOR ROAD, ITEM 522  
 NB 3474+00 - 3474+50 RT  
 DETAIL AND REMOVAL OF BRIDGES, ITEM 550  
 NB 3474+50 RT  
 BITUMINOUS CONCRETE CURB, ITEM 555  
 SB 3476+00 - 3476+50 LT  
 JUTE MATTING, ITEM 603  
 SB 3476+00 - 3476+50 MED  
 DRILLING AND BLASTING OF SOLID  
 ROCK SUBGRADE, ITEM 84  
 3477+50 - 3478+00  
 TREATED TIMBER CURB, ITEM 555  
 NB 3478+00 - 3478+50 RT  
 NORTHBOUND  
 3478+00 - 3478+50  
 THREE CABLE GUARD RAIL WITH STEEL POSTS, ITEM 543 542  
 SOUTHBOUND  
 3478+00 - 3478+50  
 PROPERTY LINE FENCE WITH STEEL POSTS, ITEM 585-0  
 NORTHBOUND  
 3468+00 - 3468+50  
 SOUTHBOUND  
 3468+00 - 3468+50

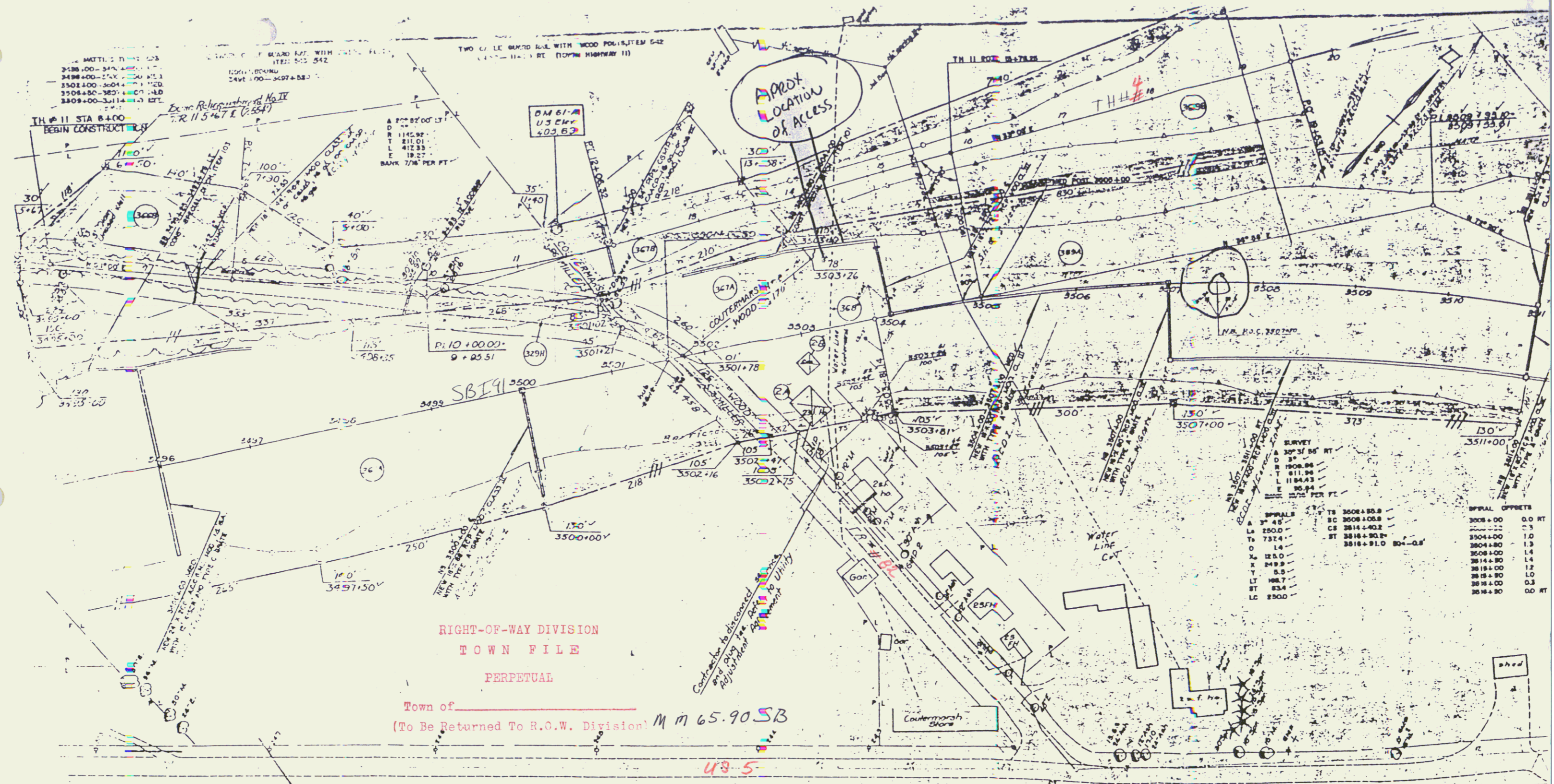
List of Sheets for  
 P.C. Box @ Sta 3467+75  
 1 of 6 Plan and Section  
 2 of 6 General Notes, Details, &  
 Summary of Quantities  
 3 of 6 Reinforcing Schedule  
 4 of 6 Chan. Line Sections  
 Reference Sheet  
 Standard Sheet S.D. 21-56



CONTROL OF ACCESS IS  
 COMPLETE ON THIS SHEET  
 STAGE 2 CONSTRUCTION  
 HARTLAND-HARTFORD  
 PROJECT 191-1(22) (B1)  
 Sheet 10 of 142 Sheets  
 CONTRACT # 3  
 Sheet 34 of 207



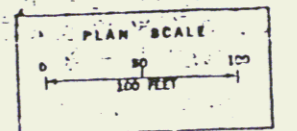




HARTLAND Vol Fire Dept  
 I 91 Emergency Access Agreement  
 March 9, 1994 BK 99 Pg 409-412

POOR ORIGINAL COPY

PROPERTY LINE FENCE WITH STEEL POSTS, ITEM 583  
 3503+00 RT SOUTHBOUND 3495+00-3711+00  
 DEMOLITION AND REMOVAL OF BUILDINGS, ITEM 584  
 3503+00 RT 3503+00 RT 2 R.R. HOUSE SOLD



CONTROL OF ACCESS IS COMPLETE ON THIS SHEET  
 2  
 STAGE 1 CONSTRUCTION  
 HARTLAND-HART  
 PROJECT I 91-11  
 Sheet 37 of 42  
 CONTRACT 87-2  
 37

8 DENOTES STAGE 2 CONSTRUCTION

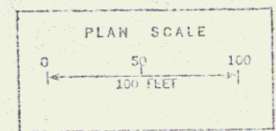
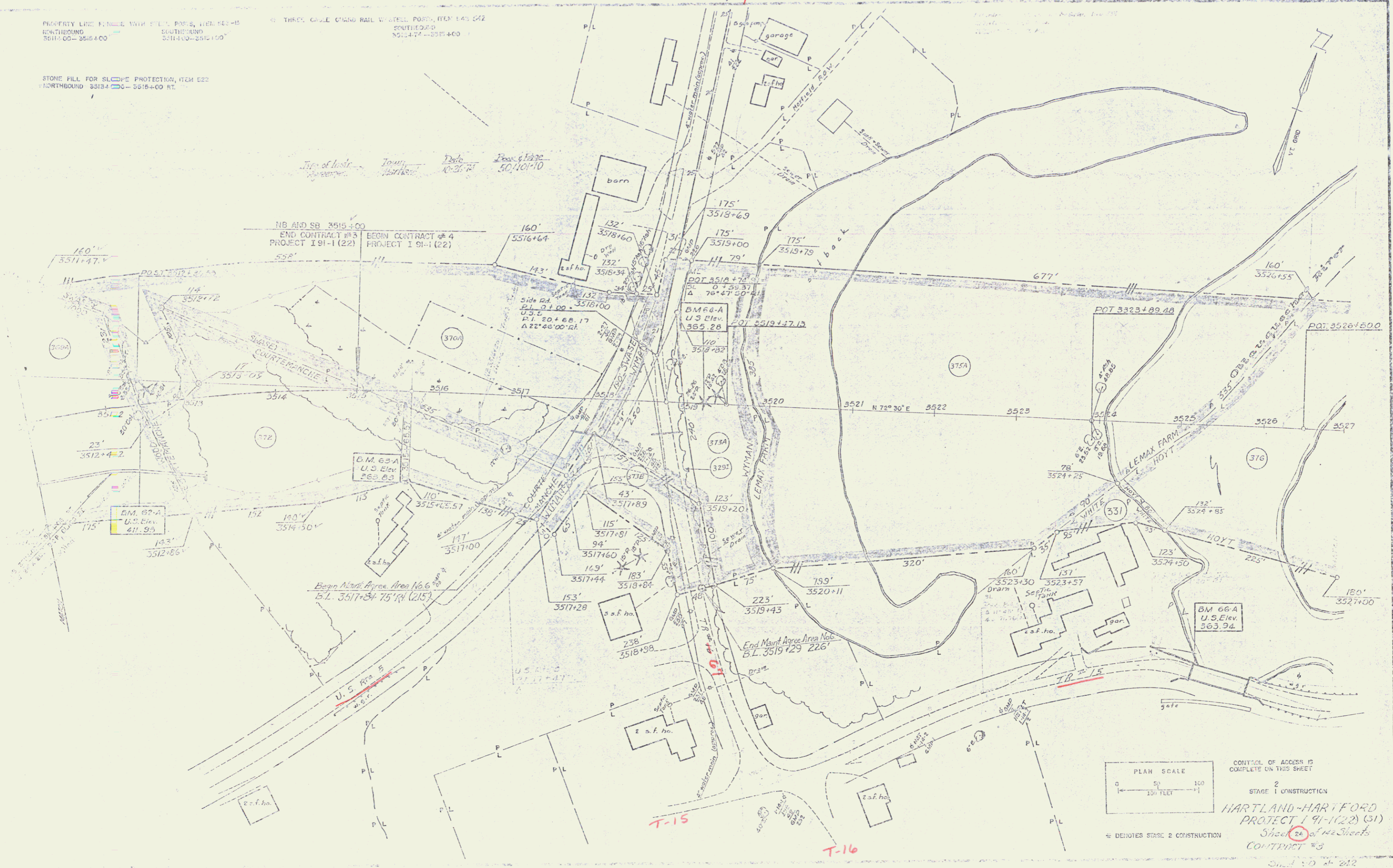
PROPERTY LINE FINISHED WITH STAKE POSITIONS, ITEM #15  
 NORTHBOUND 3511+00 - 3516+00  
 SOUTHBOUND 3511+00 - 3516+00

THREE-GRADE CHANGING RAIL WATERL. POSITIONS, ITEM #16 & 17  
 SOUTHBOUND 3514+77 - 3519+00  
 NORTHBOUND 3514+77 - 3519+00

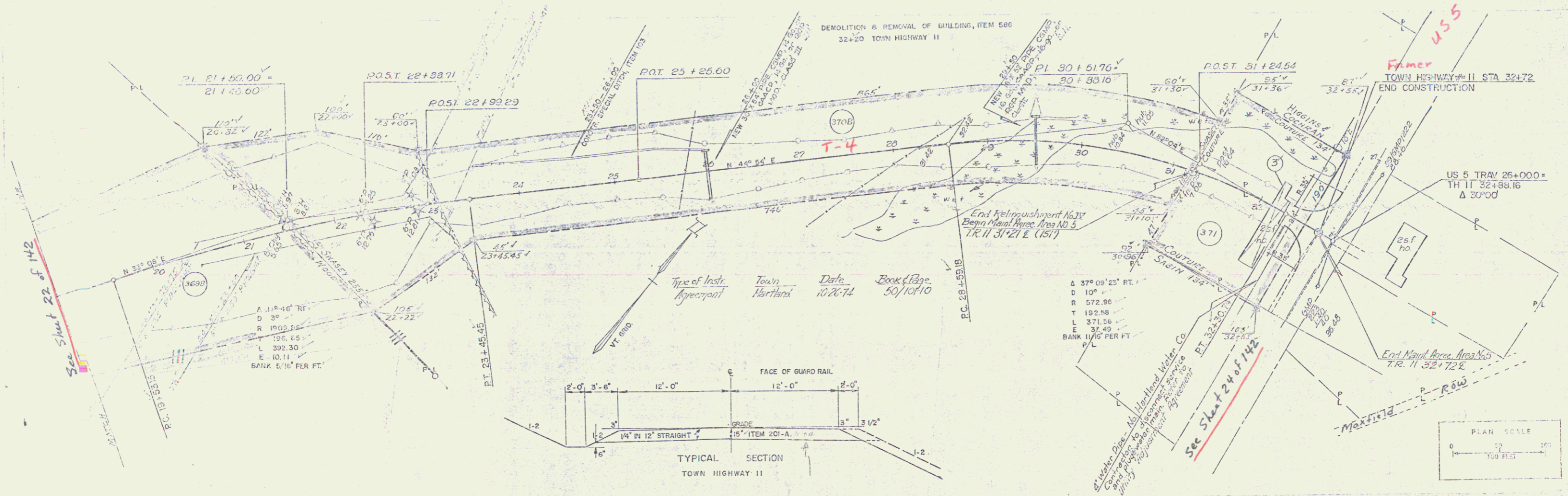
STONE FILL FOR SLOPE PROTECTION, ITEM #22  
 NORTHBOUND 3513+00 - 3516+00 ST.

Type of Work	From	To	Date	Drawn
	3516+00	3519+00	10-26-74	50/10/10

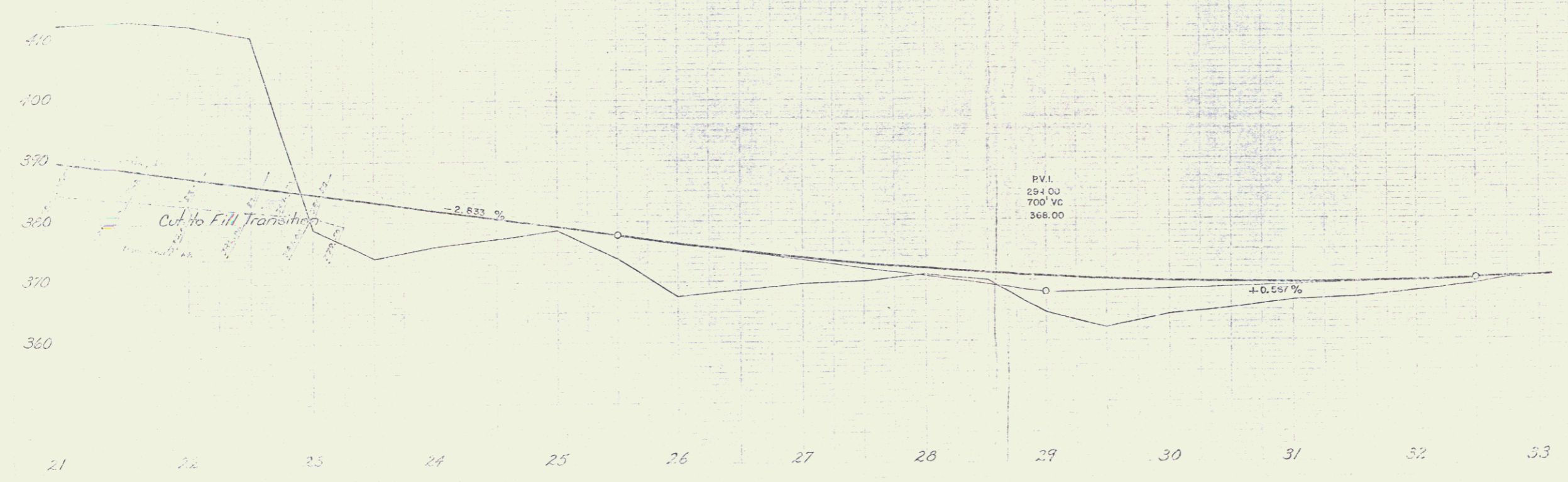
NB AND SB 3515+00  
 END CONTRACT #3 PROJECT 191-1 (22)  
 BEGIN CONTRACT #4 PROJECT 191-1 (22)



CONTROL OF ACCESS IS COMPLETE ON THIS SHEET  
 STAGE 1 CONSTRUCTION  
 HARTLAND-HARTFORD PROJECT 191-1(22) (31)  
 Sheet 24 of 142 Sheets  
 CONTRACT #3  
 50/10/10



STATION 2 FINISHED GRADES SHOWN  
 (---) SUBGRADE ELEVATION 2.67 FEET  
 (---) 6" BELOW



TOWN HIGHWAY #11  
 STAGE I CONSTRUCTION  
 HARTLAND - HARTFORD  
 PROJECT 1 91-1 (22)  
 Sheet 27 of 42 Sheets  
 Contract #3

- 10 A-61 SOLID ROCK FACULTATION
- 17 D-1 BANKING TABLE
- 18 B-5 TYPICAL SLOPE STADIUMS
- 19 B-6 MUCK FACULTATION
- 20 B-7 EMBANKMENT IN SLOPE
- 21 B-8 HEADWALLS AND UNDERPASS
- 22 D-3 JUTE MATING
- 23 D-4 SPECIAL ELBOWS
- 24 D-5 S.C. DRAINAGE
- 25 D-6 DRAIN INLET
- 26 D-7 DRAINAGE TYPE A
- 27 D-8 DRAINAGE TYPE B
- 28 D-9 PRECAST CURB DRAINAGE TYPE B
- 29 F-1 CONSTRUCTION IDENTIFICATION SIGNS
- 30 F-2 STANDARD LINE FENCE
- 31 F-3 FENCE WITH RAIL
- 32 F-4 FENCE WITH RAIL AND ANCHORAGE
- 33 J-1 BOUNDARY MARKERS
- 34 J-2 FENCE OFFICE
- 35 B-10
- 36 B-11
- 37 C-10
- 38 C-11
- 39 C-12
- 40 C-13
- 41 C-14
- 42 C-15
- 43 C-16
- 44 C-17
- 45 C-18
- 46 C-19
- 47 C-20
- 48 C-21
- 49 C-22
- 50 C-23
- 51 C-24
- 52 C-25
- 53 C-26
- 54 C-27
- 55 C-28
- 56 C-29
- 57 C-30
- 58 C-31
- 59 C-32
- 60 C-33
- 61 C-34
- 62 C-35
- 63 C-36
- 64 C-37
- 65 C-38
- 66 C-39
- 67 C-40
- 68 C-41
- 69 C-42
- 70 C-43
- 71 C-44
- 72 C-45
- 73 C-46
- 74 C-47
- 75 C-48
- 76 C-49
- 77 C-50
- 78 C-51
- 79 C-52
- 80 C-53
- 81 C-54
- 82 C-55
- 83 C-56
- 84 C-57
- 85 C-58
- 86 C-59
- 87 C-60
- 88 C-61
- 89 C-62
- 90 C-63
- 91 C-64
- 92 C-65
- 93 C-66
- 94 C-67
- 95 C-68
- 96 C-69
- 97 C-70
- 98 C-71
- 99 C-72
- 100 C-73

TOWNSHIP OF HARTLAND - HARTFORD  
 COUNTY OF WINDSOR  
 INTERSTATE ROUTE 91  
 BELLOWS FALLS - WHITE RIVER JCT. ROAD

CONTRACT NO. 4  
 BEGINNING AT A POINT 1.363 MILES SOUTHERLY OF THE HARTLAND  
 HARTFORD TOWN LINE AND EXTENDING NORTHERLY 0.473 MILES  
 LENGTH OF ROADWAY 200.37 FEET = 0.380 MILES  
 LENGTH OF BRIDGES 489.63 FEET = 0.093 MILE  
 LENGTH OF CONTRACT 2500.00 FEET = 0.473 MILES

STAGE 1 CONSTRUCTION

ADT 1955	3500
ADT 1985	4000
DIV 1985	1100
D	5%
T	7%
V	80 MPH

NONET NAME & NUMBER STAGE 1 & 2-2 SPAN WELDED PLATE  
 HARTLAND - HARTFORD 19112216 GRADING & DRAINAGE GIRDERS BRIDGES  
 RECORD PLANS

MATERIALS  
 SURFACE OF GRAVEL - SMITH LEBLANC GRVEL PIT - HARTLAND, VT.  
 SUBBASE OF CRUSHED ROCK - SMITH LEBLANC QUARRY (PERIN) CRUSHER - HARTLAND, VT.  
 CONCRETE CLASS AA & B - MILLER READY MIX CONCRETE (PERIN) HARTLAND, VT.  
 REINFORCING STEEL - STEEL PILING - BETHLEHEM STEEL CORP. ALBANY, N.Y.  
 METAL CULVERT PIPE - NEW ENGLAND METAL CULVERT CORP. WHITE RIVER JUNCTION, VT.  
 REINFORCED CONCRETE - NEW ENGLAND METAL CULVERT CORP. WHITE RIVER JUNCTION, VT.  
 ITEMS - S.T. CRISWOLD & CO., INC. - WILLISTON, VT.  
 STRUCTURAL STEEL - ALCO HAZEL STEEL CO. - PITTSFIELD, MASS.  
 SPANITE BRIDGE CURB - E.L. SMITH WHITEHOLE MARBLE QUARRIES - BARRE, VT.  
 BRIDGE PAINTING - HARDY WELLS CO., INC. - NATION, MASS.  
 BRIDGE PAINT - AMSTERDAM COLOR WORKS, INC. - NEW YORK, N.Y.

CONTRACTOR - MILLER CONSTRUCTION INC.  
 WINDSOR, VT.  
 CHIEF RESIDENT ENGINEER - ROY F. NICHOLSON  
 REG. ENG. - JAMES A. MOORE & GLEASON W. AYERS  
 INSPECTORS - ALLEN J. NEWTON, JOSHUA DAVID & ALLAN E. JONES  
 RECORD PLANS - GLEASON W. AYERS

CONTRACT  
 DATED - MARCH 1, 1963  
 STARTED - MARCH 4, 1963  
 COMPLETED - AUGUST 26, 1963  
 ACCEPTED - AUGUST 5, 1963

MILLER CONSTRUCTION INC.  
 WINDSOR, VT.  
 1328 BBS-66  
 Location Beginning at a point 1.363 miles southerly of the Hartland-Hartford  
 Town Line and extending northerly 0.473 miles  
 1963  
 11/11/63

APPROVED  
 DATE 11/21/63

Joe Dubois 11/21/63  
 Ed Hickey 1/10/63  
 Jack Brown 1/14/63  
 J. Schaefer 1/17/63  
 Jim Deane 1/19/63  
 JBT Bishop 1/11/63

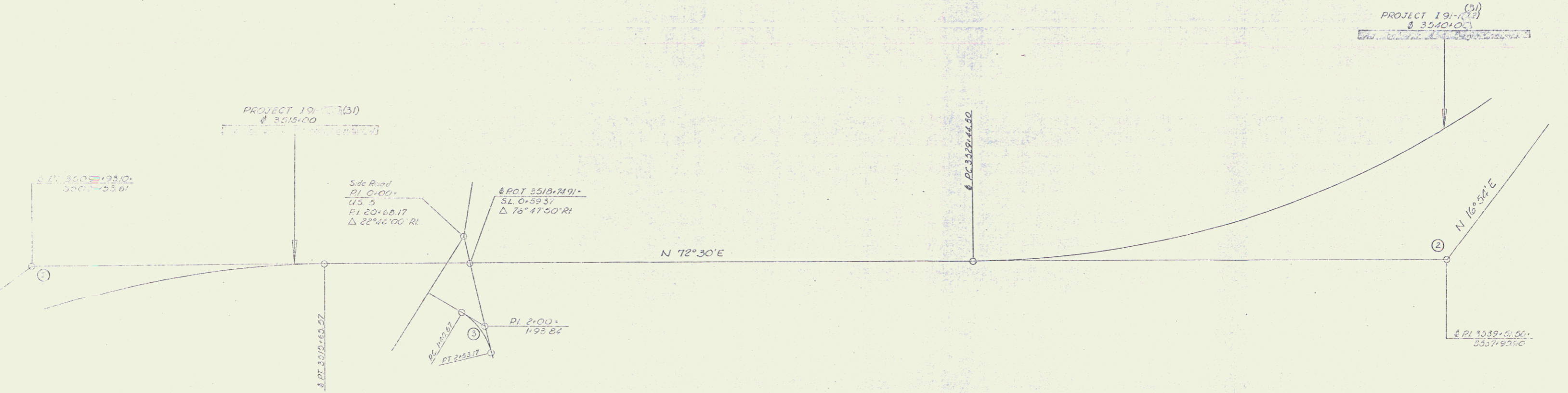
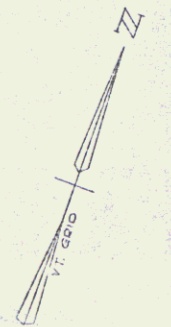
POOR ORIGINAL COPY

STAGE 1 CONSTRUCTION  
 103

Curve No 1  
 Circular Curve Data  
 $\Delta$  35° 51' 55" RT  
 D 3'  
 R 1909.86'  
 T 611.76'  
 L 1781.43'  
 E 95.64'  
 Ae 124.98'  
 x 219.89'  
 y 54.5'  
 IT 148.70'  
 ST 05.37'  
 LC 219.95'  
 Lc 934.40'  
 Bank 15m in 12"  
 TS Sta 3341+92.2  
 SC Sta 3341+92.2  
 3341+91.0  
 Zq 1-0.6'

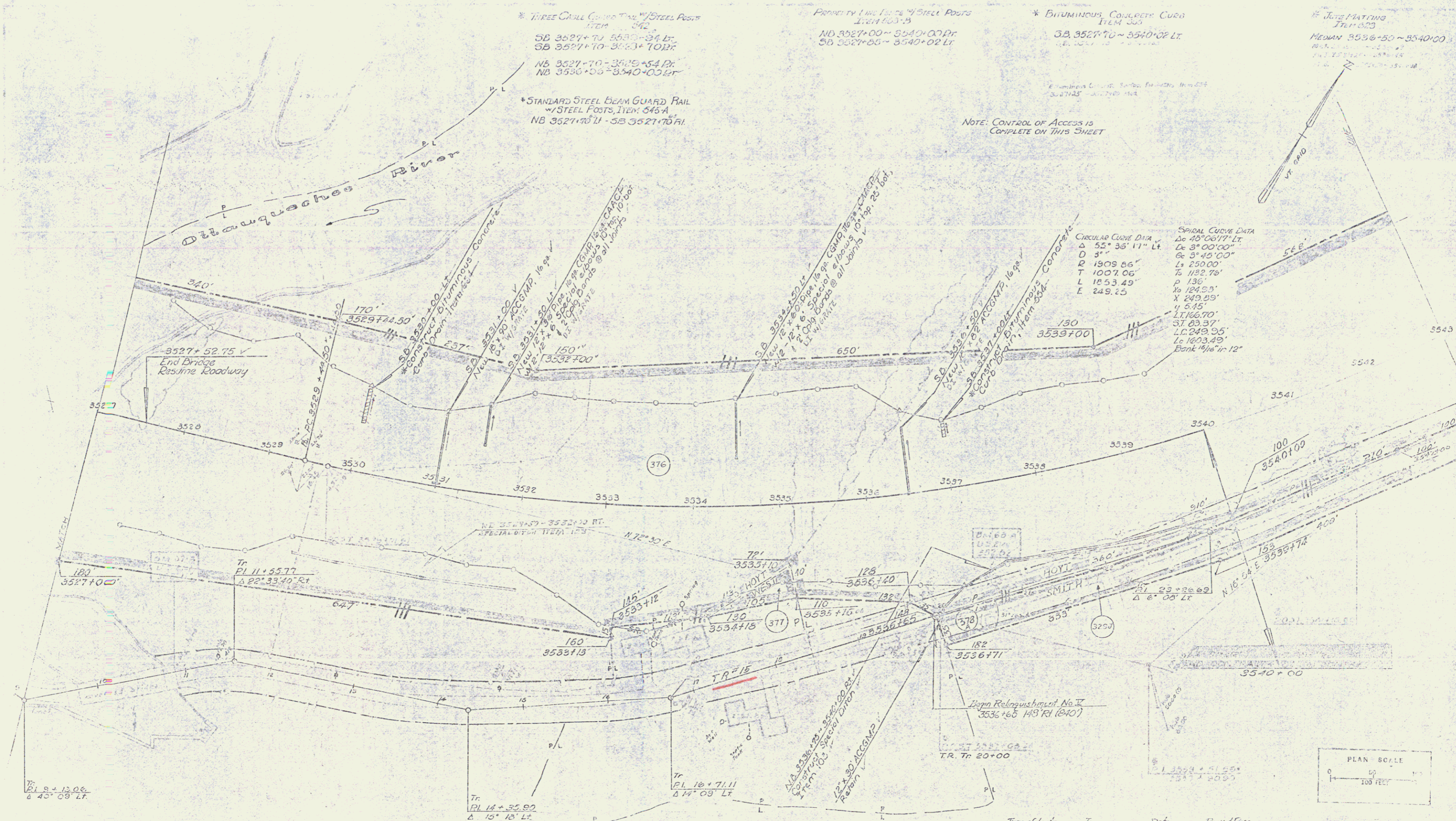
Curve No 2  
 Spiral Curve Data  
 $\Delta$  27° 30' 17" LT  
 D 3'  
 R 1909.86'  
 T 1097.03'  
 L 1803.09'  
 E 249.25'  
 p 1.36'  
 h 124.98'  
 x 249.89'  
 y 54.5'  
 IT 148.70'  
 ST 83.37'  
 LC 249.95'  
 Lc 1603.49'  
 Bank 15m in 12"  
 TS Sta 3352+14.80  
 SC Sta 3350+63.80

Curve No 3  
 $\Delta$  45° RT  
 D 40'  
 R 143.24'  
 T 59.33'  
 L 112.50'  
 E 11.30'



Stage 2 Construction  
 ALIGNMENT SHEET  
 HARTLAND-HARTFORD  
 191-1(2) Contract # (31)  
 March 12, 1962  
 Sheet 2 of 103  
 Sheet 5 of 212





\* THREE CHAIN CURVE DATA  
ITEM 342  
SB 3527+00 - 3530+00 LT  
SB 3527+10 - 3533+10 RP  
NB 3527+70 - 3539+54 PL  
NB 3536+06 - 3540+00 LT

\* STANDARD STEEL BEAM GUARD RAIL  
\* STEEL POSTS, ITEM 543-A  
NB 3527+00 - SB 3527+70 RL

PENNY LANE SIDE 4" STEEL PIPES  
ITEM 500-B  
NB 3527+00 - 3540+00 PL  
SB 3527+00 - 3540+02 LT

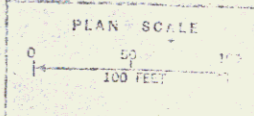
\* BITUMINOUS CONCRETE CURB  
ITEM 300  
SB 3527+70 - 3540+02 LT

\* JUNE PLATING  
ITEM 503  
MEDIAN 3536+50 - 3540+00

NOTE: CONTROL OF ACCESS IS COMPLETE ON THIS SHEET

CIRCULAR CURVE DATA  
Δ 55° 36' 11" LT  
D 3' 0" 0"  
R 1909.66'  
T 1007.06'  
L 1253.49'  
E 249.25'

SPIRAL CURVE DATA  
Δ 45° 00' 17" LT  
Lc 8° 00' 00"  
Cc 3° 45' 00"  
Ls 250.00'  
Ts 1182.78'  
P 136'  
Xs 124.93'  
Ys 249.29'  
L 166.70'  
Lc 249.95'  
Ls 1603.49'  
Bank 1/4" in 12"



Type of Insr. Agreement: \_\_\_\_\_  
Town: Hartford  
Date: 10-26-74  
Book & Page: 50 110-10

Stage 2 Construction  
HARTLAND - HARTFORD

\* Indicates Stage 2 Construction

3 - 91 - 1 (31)  
Sheet 11 of 20?  
Sheet 11 of 10?

PLAN  
 DATE: 11/11/06  
 DRAWN BY: [illegible]  
 CHECKED BY: [illegible]  
 SCALE: 1" = 100'

CONSTRUCT FRONTAGE ROAD  
 NB 3540+00 - 3542+50 CIV

NOTE: CONTROL OF ACCESS IS COMPLETE ON THIS SHEET

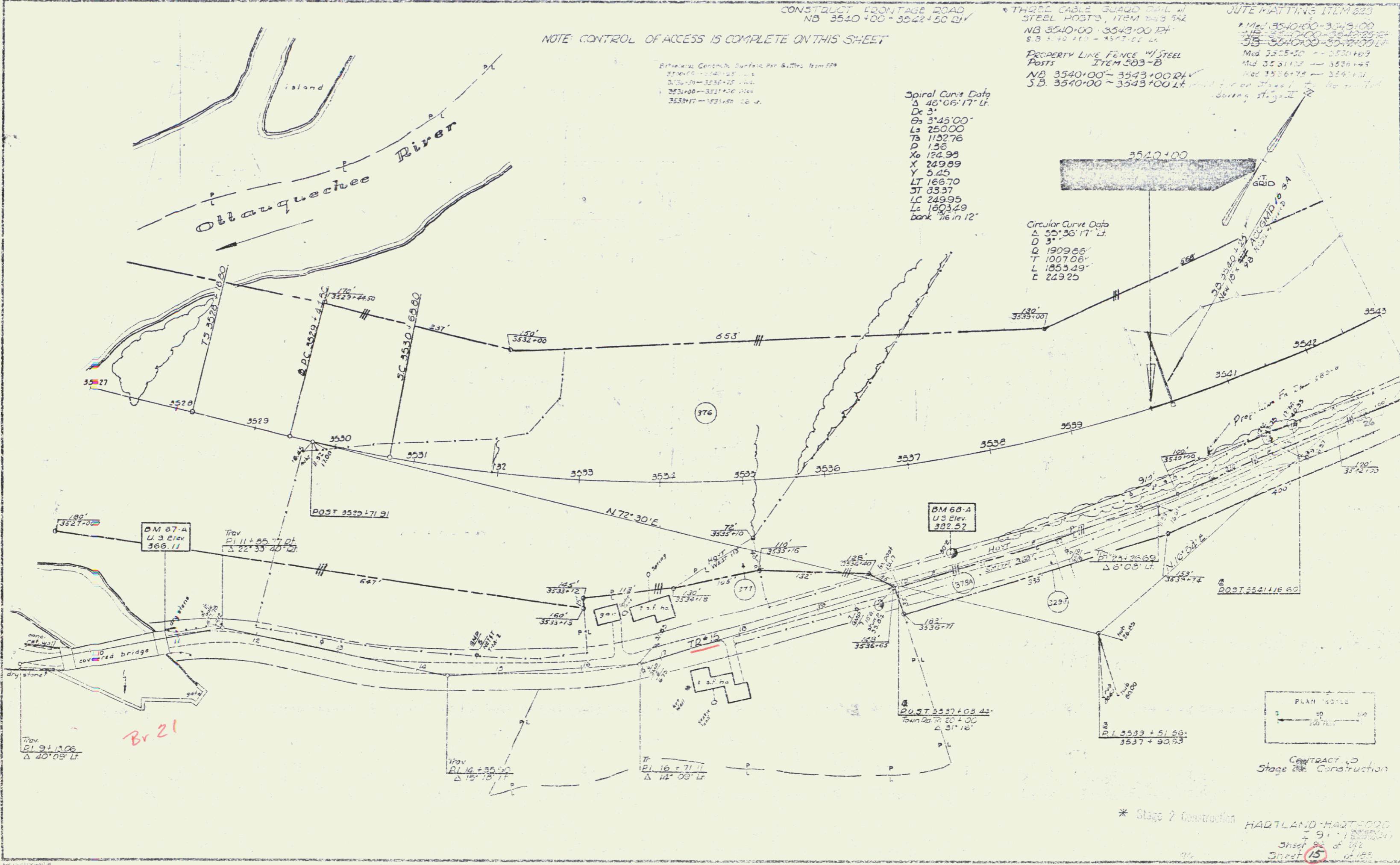
Effective Control Surface Per Station from 0+00  
 0+00 - 0+50 = 100.00  
 0+50 - 1+00 = 100.00  
 1+00 - 1+50 = 100.00  
 1+50 - 2+00 = 100.00

\* THREE CABLE GUARD RAIL W/  
 STEEL POSTS, 17MM DIA 542  
 NB 3540+00 - 3543+00 RT  
 S.B. 3540+00 - 3543+00 LT  
 PROPERTY LINE FENCE W/ STEEL  
 POSTS ITEM 503-B  
 NB 3540+00 - 3543+00 RT  
 S.B. 3540+00 - 3543+00 LT

JUTE MATTING ITEM 620  
 NB 3540+00 - 3543+00  
 S.B. 3540+00 - 3543+00  
 Mid 3540+00 - 3540+00  
 Mid 3541+00 - 3541+00  
 Mid 3542+00 - 3542+00  
 Mid 3543+00 - 3543+00

Spiral Curve Data  
 $\Delta$  40° 06' 17" LF  
 Dc 3'  
 Gs 3'45'00"  
 Ls 250.00  
 Ts 1132.76  
 D 138'  
 Xc 124.93  
 Yc 249.89  
 Y 5.25  
 LT 166.70  
 ST 33.37  
 LC 249.95  
 Lc 1603.49  
 bank 1/4 in 12'

Circular Curve Data  
 $\Delta$  35° 36' 17" LF  
 D 31'  
 Q 1909.88  
 T 1007.08  
 L 1853.49  
 E 243.25



Br 21

PLAN SCALE  
 1" = 100'

CONTRACT 10  
 Stage 2 Construction

\* Stage 2 Construction  
 HARTLAND-HART 5000  
 Sheet 15 of 15



DATE	BY
DESIGNED	BY
CHECKED	BY
APPROVED	BY
DATE	BY

SUB-BASE OF SAND ITEM 202  
NB 3559+00-3564+50

THREE CABLE GUARD RAIL  
W/ STEEL POSTS, ITEM 342 \*  
SB 3559+00-3560+04 LT  
NB 3569+55-3575+00 RT

CONSTRUCT FRONTAGE DRIVE  
NB 3560+00-3571+85 RT

DRILLING & BLASTING of SOLID  
ROCK SUBGRADE, ITEM 114 Mod  
3566+50-3569+50  
3571+50-3575+00

STONE FILL FOR SLOPE PROTECTION, ITEM 522  
SB 3559+00-3560+05 LT

GRATE MATTING ITEM 623  
NB 3559+00-3575+00  
SB 3560+00-3567+25 LT

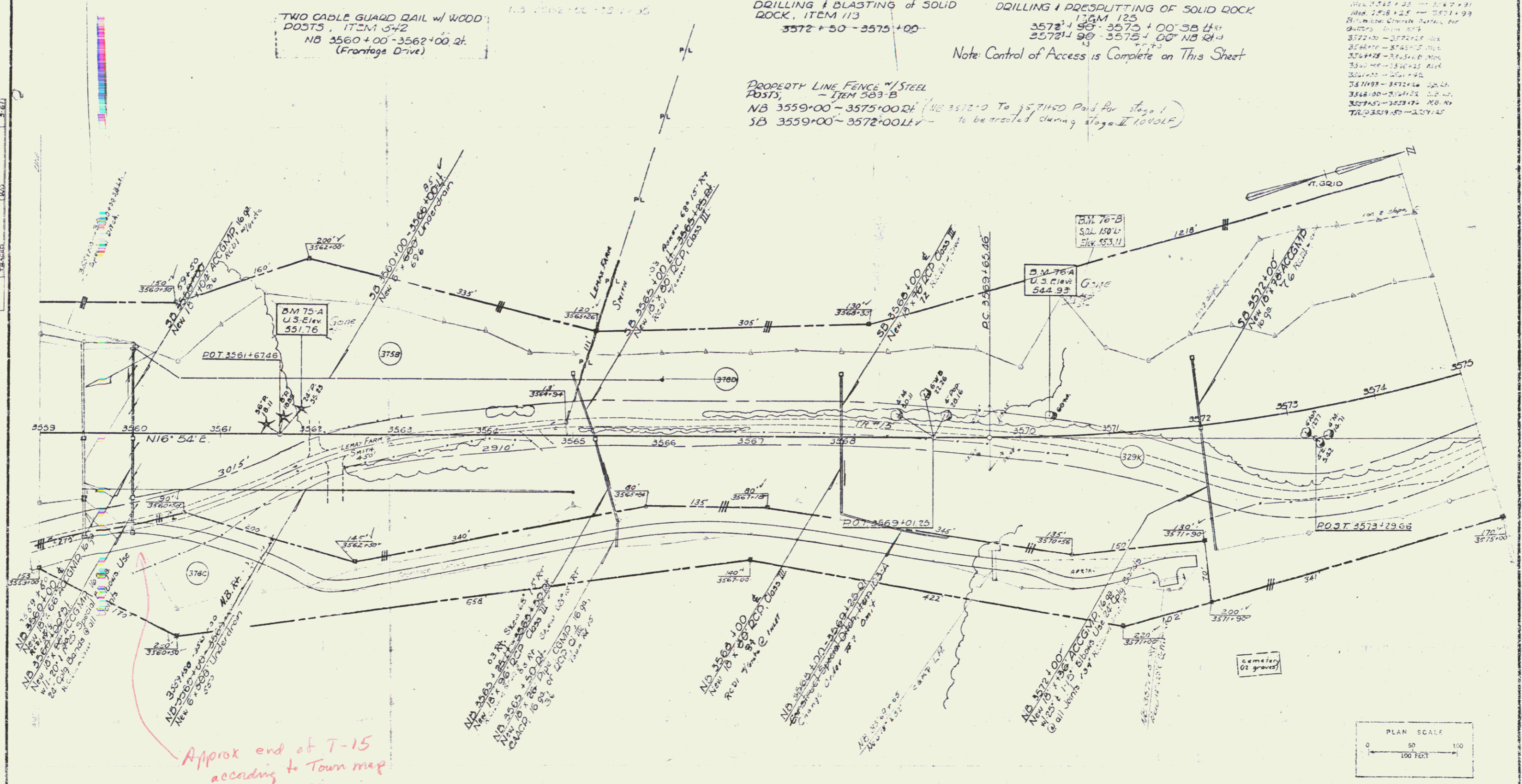
TWO CABLE GUARD RAIL W/ WOOD  
POSTS, ITEM 342  
NB 3560+00-3562+00 RT  
(Frontage Drive)

DRILLING & BLASTING of SOLID  
ROCK, ITEM 113  
3572+50-3575+00

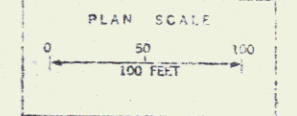
DRILLING & PRESPLITTING OF SOLID ROCK  
ITEM 125  
3572+50-3575+00 SB LT  
3572+50-3575+00 NB RT

Note: Control of Access is Complete on This Sheet

PROPERTY LINE FENCE w/ STEEL  
POSTS, ITEM 583-B  
NB 3559+00-3575+00 RT (NB 3572+00 To 3571+50 Paid for Stage I  
SB 3559+00-3572+00 LT - to be created during Stage II 10/01/05)



Approx end of T-15  
according to Town map



\* Stage 2 Construction

HARTLAND - HARTFORD  
I 91 - I 82  
Sheet 19 of 18  
Sheet 100 of 222

PLAN  
 SHEET NO. 21  
 PROJECT NO. 102  
 DATE 10/20/00  
 DRAWN BY [Signature]  
 CHECKED BY [Signature]

DRILLING & BLASTING of SOLID ROCK  
 ITEM 113  
 NB 3575+00 - 3580+00  
 SB 3584+00 - 3590+00  
 3584+00 - 3591+00

DRILLING & BLASTING of SOLID ROCK  
 SUBGRADE ITEM 114 Mod  
 NB 3575+00 - 3579+00 RT  
 SB 3584+00 - 3591+00

BITUMINOUS CONCRETE CURB ITEM 565 \*  
 SB 3582+00 - 3589+00 LT

JUTE MATTING ITEM 623  
 \* Med 3590+00 - 3591+00

THREE CABLE GUARD RAIL  
 w/ STEEL POSTS, ITEM 642 \*  
 NB 3575+00 - 3579+00 RT  
 SB 3582+00 - 3589+00 LT

Note Control of Access is Complete on This Street

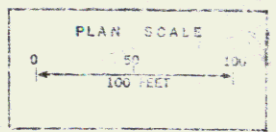
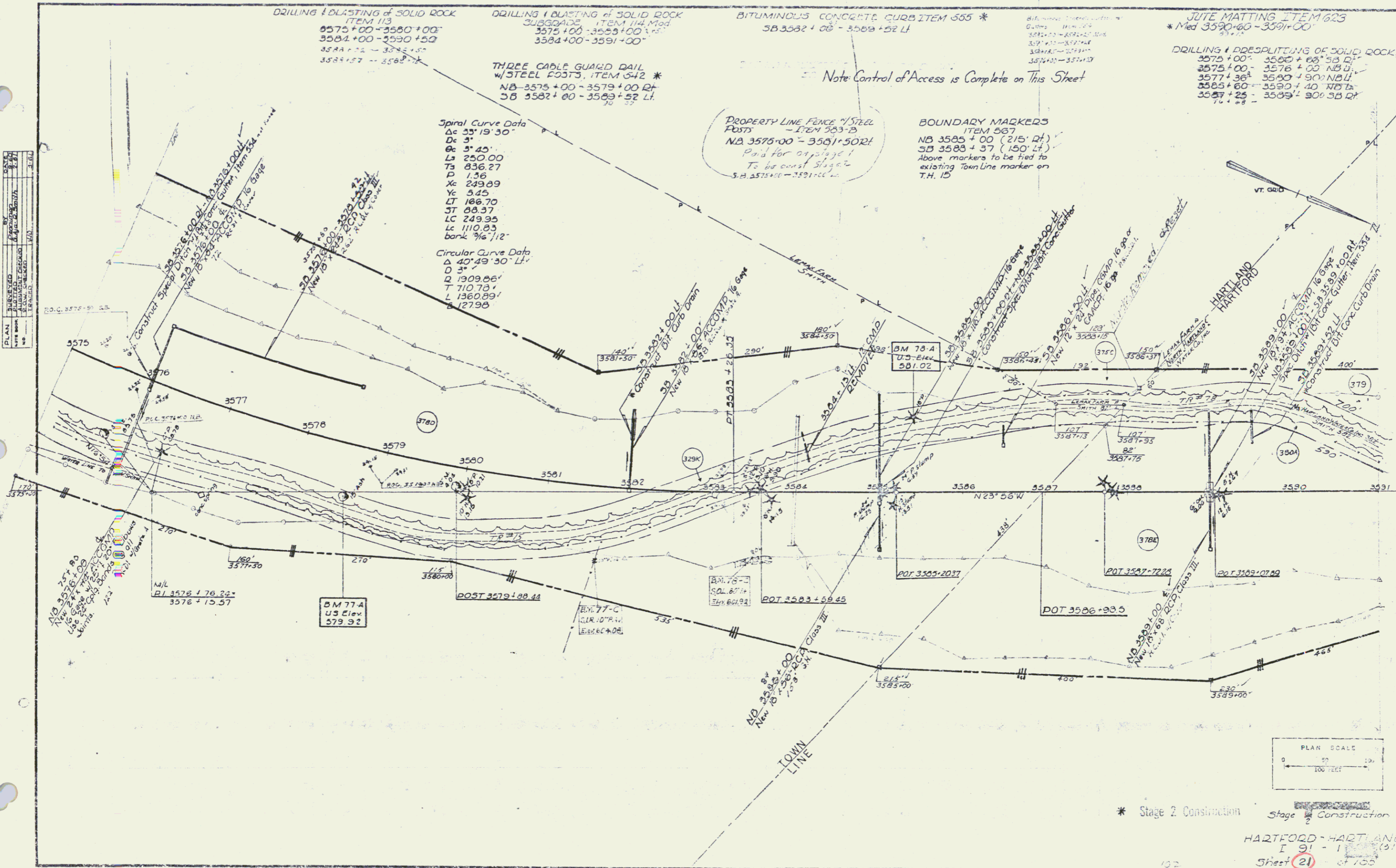
DRILLING & RESPLITTING OF SOLID ROCK, ITEM 125  
 NB 3575+00 - 3580+00 SB LT  
 SB 3575+00 - 3576+00 NB LT  
 SB 3577+36 - 3580+00 NB LT  
 SB 3585+60 - 3590+00 NB LT  
 SB 3587+25 - 3589+00 SB RT

Spiral Curve Data  
 Δc 33°19'30"  
 Dc 3'  
 Lc 250.00  
 Tc 836.27  
 P 1.36  
 Xc 249.89  
 Yc 5.45  
 LT 166.70  
 ST 88.37  
 LC 249.95  
 Lc 110.83  
 bank 1/16" / 12"

Circular Curve Data  
 Δ 40°49'30" LT  
 D 3'  
 Q 1909.86'  
 T 710.78'  
 L 1360.89'  
 Δ 127.98'

PROPERTY LINE FENCE (Steel Posts)  
 ITEM 563-B  
 NA 3575+00 - 3581+50 RT  
 Paid for on stage 1  
 To be const. Stage 2  
 SB 3585+00 - 3591+00 LT

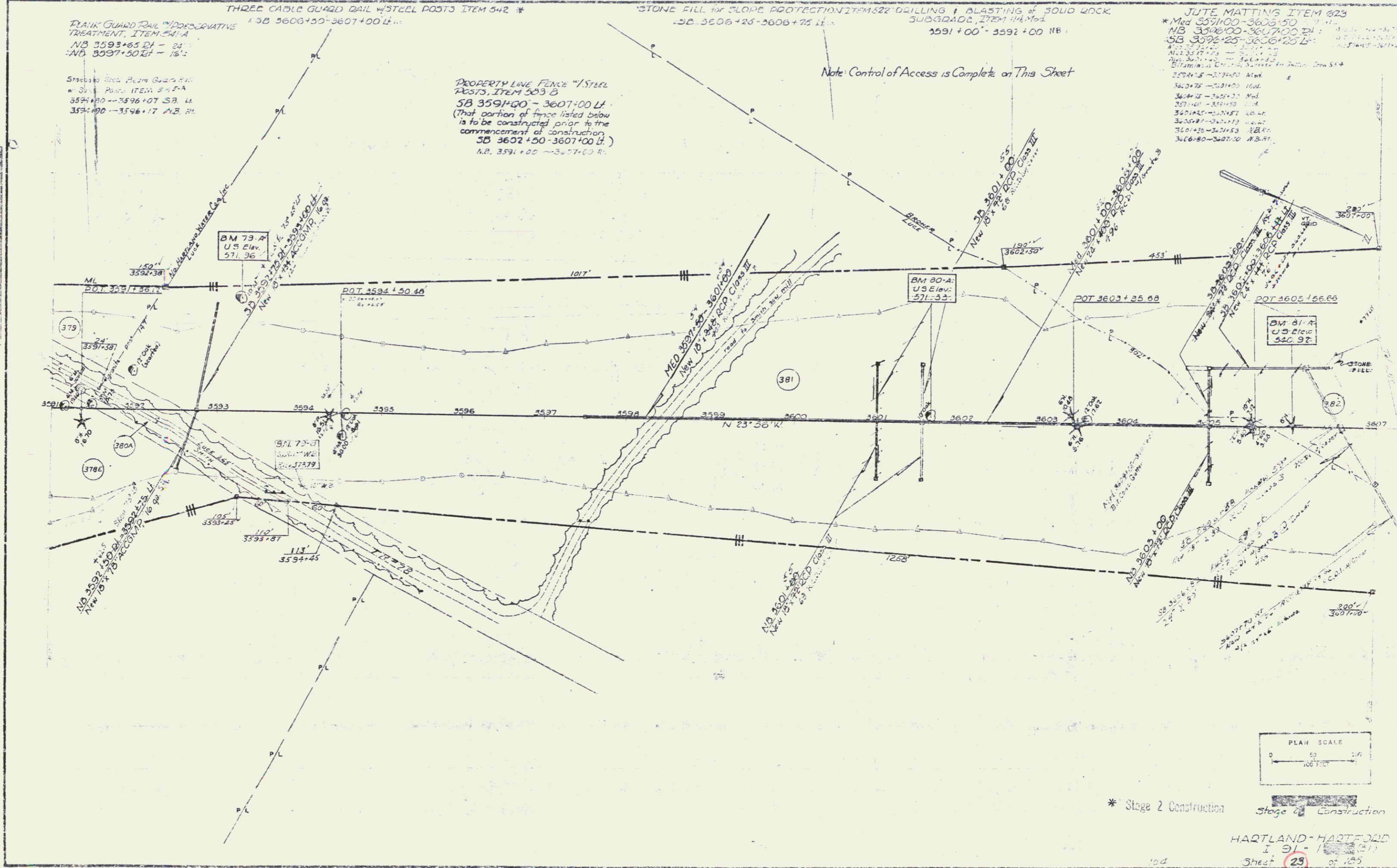
BOUNDARY MARKERS  
 ITEM 567  
 NB 3585+00 (215' RT)  
 SB 3588+00 (150' LT)  
 Above markers to be tied to existing Town Line marker on T.H. 15



\* Stage 2 Construction

HARTFORD-HARTLAND  
 I 91 - 1 (31) (31)  
 Sheet 21 of 100  
 Sheet 102 of 202

PLAN	SURVEYED	BY	DATE



PLANK GUARD RAIL \*ADORNATIVE TREATMENT, ITEM 541-A  
 NB 3593+65.24 - 24'  
 NB 3597+50.24 - 16'

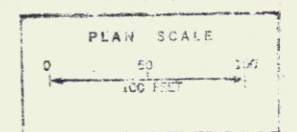
THREE CABLE GUARD RAIL \*STEEL POSTS ITEM 542 \*  
 SB 3606+50-3607+00 Lt.

STONE FILL FOR SLOPE PROTECTION ITEMS 522 DRILLING & BLASTING OF SOLID ROCK  
 SUBGRADE, ITEM 114, 101  
 SB 3606+25-3608+75 Lt.  
 NB 3591+00 - 3592+00 NB

JUTE MATTING ITEM 623  
 \*Med 3591+00-3605+50  
 NB 3596+00-3607+00 Lt.  
 SB 3596+25-3606+25 Lt.  
 NB 3597+00 - 3607+00  
 NB 3598+00 - 3607+00  
 NB 3599+00 - 3607+00  
 NB 3600+00 - 3607+00  
 NB 3601+00 - 3607+00  
 NB 3602+00 - 3607+00  
 NB 3603+00 - 3607+00  
 NB 3604+00 - 3607+00  
 NB 3605+00 - 3607+00

PROPERTY LINE FENCE \*STEEL POSTS, ITEM 503 B  
 SB 3591+00 - 3607+00 Lt.  
 (That portion of fence listed below is to be constructed prior to the commencement of construction SB 3602+50-3607+00 Lt.)  
 NB 3591+00 - 3607+00 R.

Note: Control of Access is Complete on This Sheet



\* Stage 2 Construction Stage 1 Construction

HARTLAND - HARTFORD  
 I 91 - 100  
 Sheet 23 of 125  
 Sheet 104 of 237

PLAN	SUBMITTED	DATE	BY
NO. 100	10/15/10	10/15/10	J.S.
NO. 101	10/15/10	10/15/10	J.S.
NO. 102	10/15/10	10/15/10	J.S.
NO. 103	10/15/10	10/15/10	J.S.
NO. 104	10/15/10	10/15/10	J.S.
NO. 105	10/15/10	10/15/10	J.S.
NO. 106	10/15/10	10/15/10	J.S.
NO. 107	10/15/10	10/15/10	J.S.
NO. 108	10/15/10	10/15/10	J.S.
NO. 109	10/15/10	10/15/10	J.S.
NO. 110	10/15/10	10/15/10	J.S.

\* THREE CABLE GUARD RAIL w/ STEEL POSTS ITEM 542  
 SB 3607+00 - 3609+00 Lt  
 NB 3607+53 - 3609+50 Rt  
 NB 3611+00 - 3616+50 Rt  
 SB 3612+00 - 3616+00 Lt  
 SB 3622+50 - 3623+00 Lt  
 NB 3621+00 - 3623+00 Rt

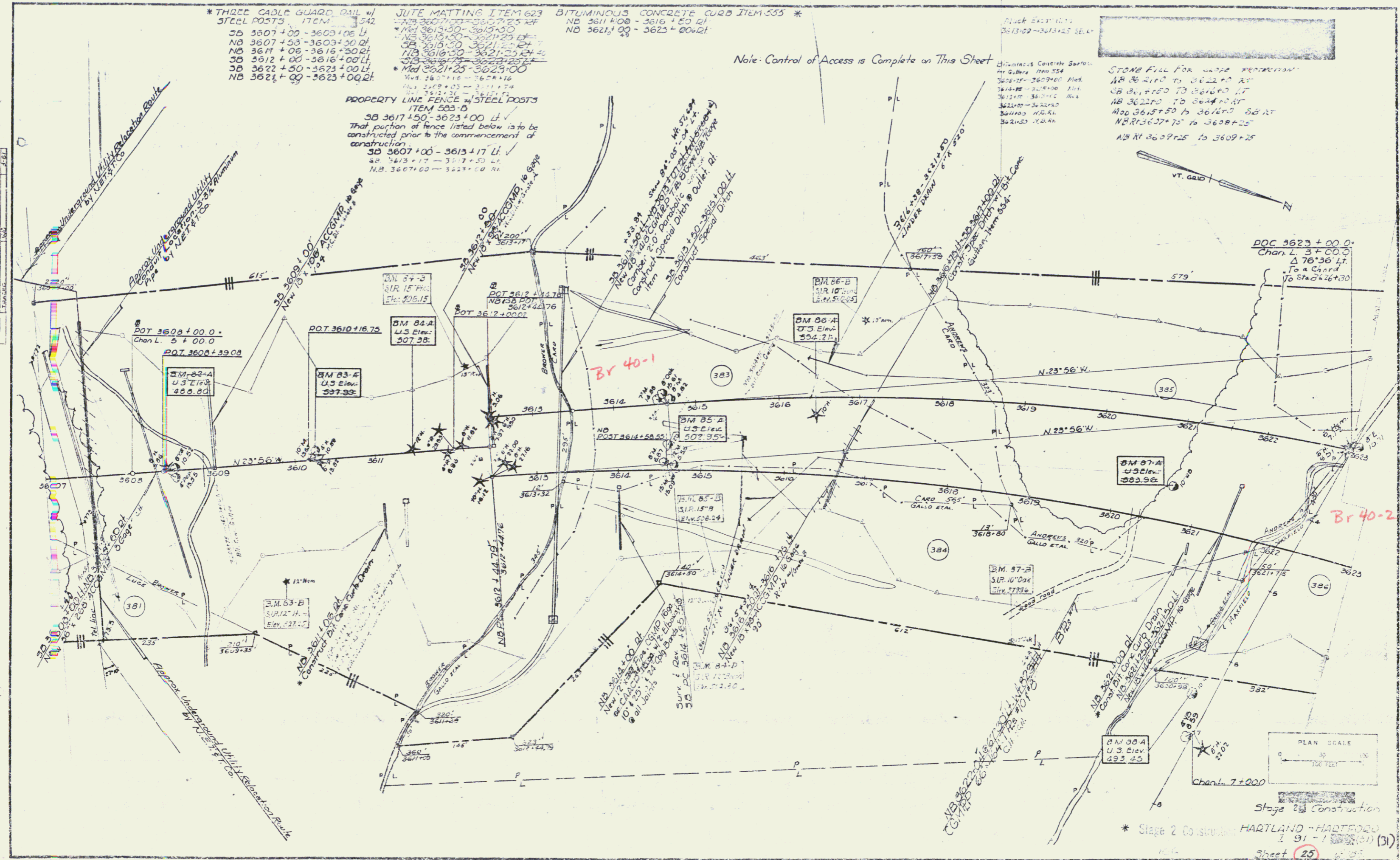
JUTE MATTING ITEM 623  
 NB 3607+00 - 3607+75 Rt  
 NB 3613+50 - 3619+00  
 NB 3619+50 - 3621+25 Rt  
 NB 3619+50 - 3621+25 Lt  
 NB 3621+25 - 3623+00  
 NB 3621+25 - 3623+00

BITUMINOUS CONCRETE CURB ITEM 535 \*  
 NB 3611+00 - 3616+50 Rt  
 NB 3621+00 - 3623+00 Rt

PROPERTY LINE FENCE w/ STEEL POSTS ITEM 503-B  
 SB 3617+50 - 3623+00 Lt  
 That portion of fence listed below is to be constructed prior to the commencement of construction:  
 SB 3607+00 - 3613+17 Lt  
 SB 3613+17 - 3617+50 Lt  
 NB 3607+00 - 3623+00 Rt

Note: Control of Access is Complete on This Sheet

STONE FILL FOR ROAD RECONSTRUCTION  
 NB 3611+00 TO 3612+00 RT  
 SB 3611+00 TO 3612+00 LT  
 NB 3621+00 TO 3622+00 RT  
 SB 3621+00 TO 3622+00 LT  
 NB 3623+00 TO 3624+00 RT  
 SB 3623+00 TO 3624+00 LT  
 NB 3625+00 TO 3626+00 RT  
 SB 3625+00 TO 3626+00 LT  
 NB 3627+00 TO 3628+00 RT  
 SB 3627+00 TO 3628+00 LT



PLAN  
 SHEET NO. 27  
 DATE 10/1/83  
 DRAWN BY  
 CHECKED BY

STONE CURB FOR SOLE PROTECTION  
 SALT 3623+00 TO 3626+00  
 MEDIAN EXPANSION TO 3623+00 NB RT.

Rev. 3.0  
 P.I. 3627+44.50  
 3625+97.40

\* THREE CABLE GUARD RAIL w/  
 STEEL POSTS ITEM 313 542  
 SB 3623+00 - 3626+02 Lt.  
 NB 3623+00 - 3623+56 Rt.

DITUMINOUS CONCRETE CURB  
 ITEM 305 \*  
 NB 3623+00 - 3623+56 Rt.

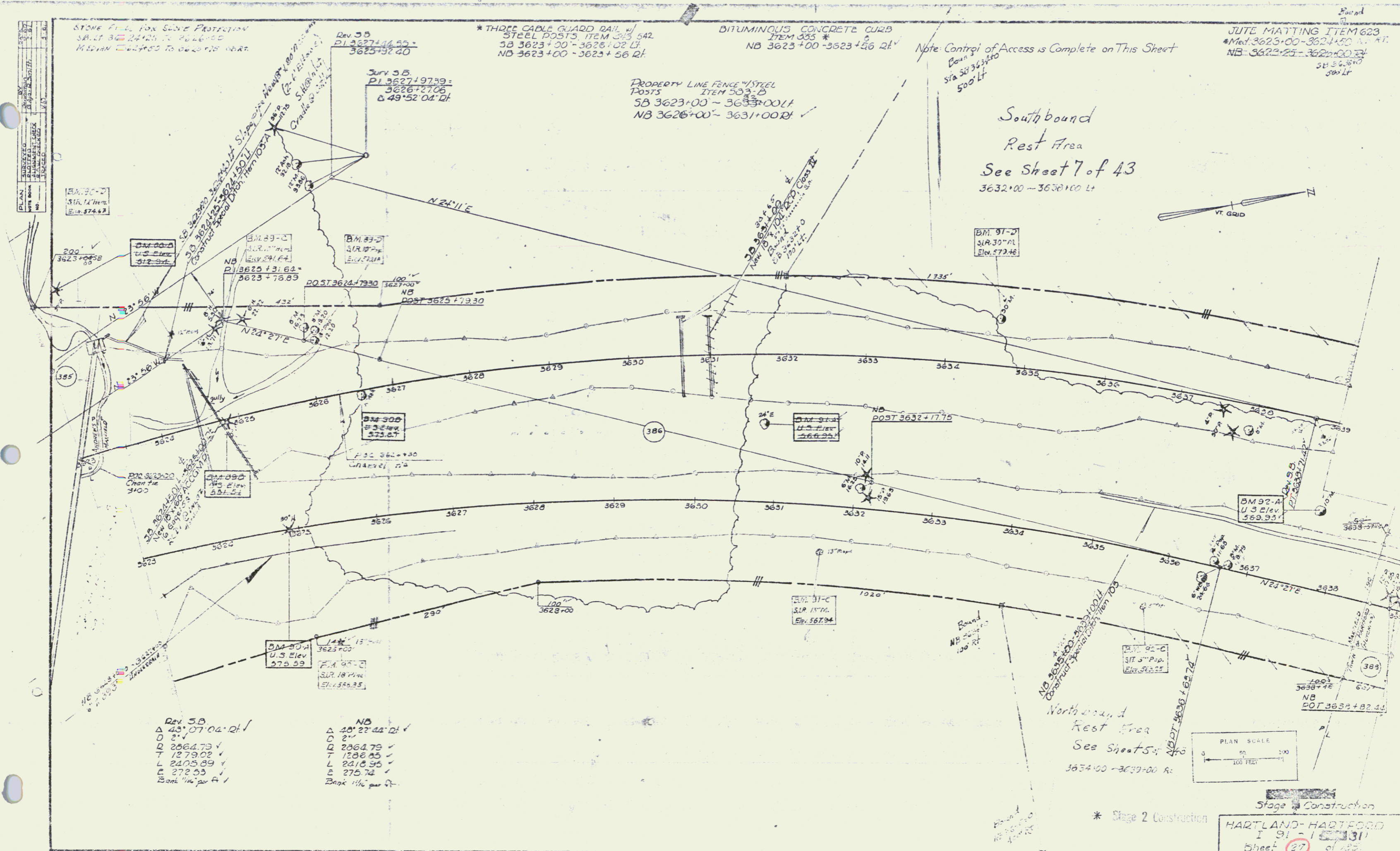
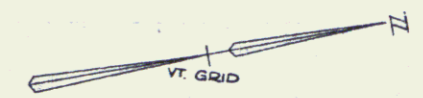
Note: Control of Access is Complete on This Sheet

JUTE MATTING ITEM 623  
 \*Med. 3625+00 - 3624+00 N. RT.  
 NB 3623+25 - 3624+00 Lt.  
 SB 3625+00  
 500 Lt.

Surv. 3.0  
 P.I. 3627+97.99  
 3626+72.06  
 Δ 49° 52' 04" Rt.

PROPERTY LINE FENCE (STEEL  
 POSTS  
 ITEM 503 - B  
 SB 3623+00 - 3633+00 Lt.  
 NB 3626+00 - 3631+00 Rt.

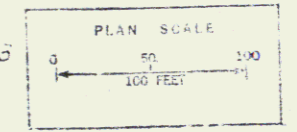
Southbound  
 Rest Area  
 See Sheet 7 of 43  
 3632+00 - 3638+00 Lt.



Rev. 3.0  
 Δ 43° 07' 04" Rt.  
 D 2'  
 R 2064.73 ✓  
 T 1279.02 ✓  
 L 2405.89 ✓  
 E 272.53 ✓  
 Cont. 1/4" per A 1

NB  
 Δ 40° 23' 44" Rt.  
 D 2'  
 R 2064.79 ✓  
 T 1206.85 ✓  
 L 2418.95 ✓  
 E 275.74 ✓  
 Cont. 1/4" per A 1

Northbound  
 Rest Area  
 See Sheets 4 & 5  
 3634+00 - 3639+00 Rt.



\* Stage 2 Construction

Stage 3 Construction

HARTLAND - HARTFORD  
 I 91 - I 89 (31)  
 Sheet 27 of 43  
 Sheet 103 of 242

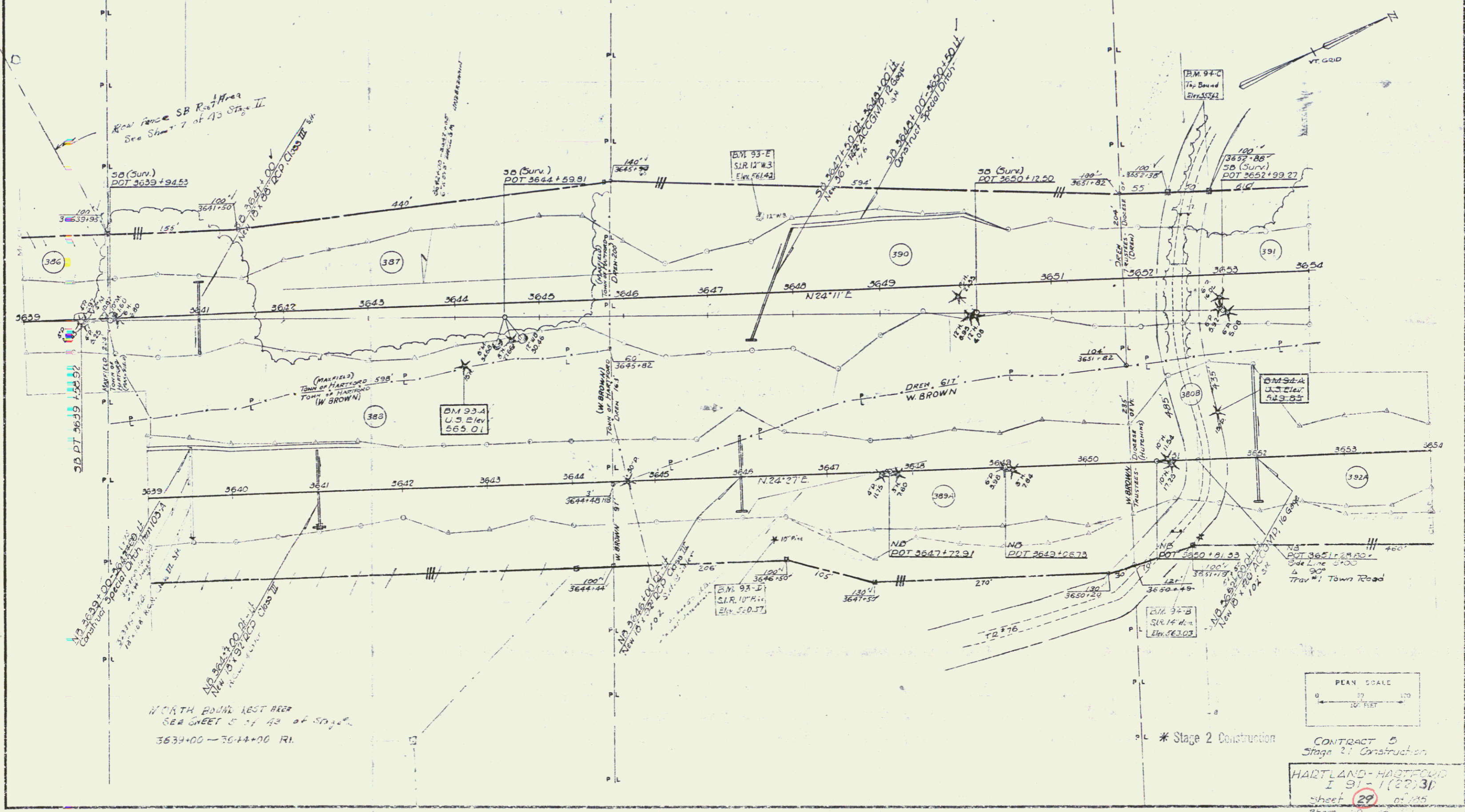
PLAN	REGISTERED	DATE
DESIGNED	BY	BY
CHECKED	BY	BY
APPROVED	BY	BY
DATE	DATE	DATE
SCALE	SCALE	SCALE
PROJECT	PROJECT	PROJECT
SHEET	SHEET	SHEET

PROPERTY LINE FENCE WITH STEEL POSTS - ITEM 503-B  
 SB 3639+00 - 3654+00 LT  
 NB 3639+00 - 3654+00 RT

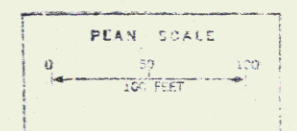
\* THREE CABLE GUARD RAIL WITH STEEL POSTS ITEM 542  
 SB 3651+00 - 3654+00 LT  
 SB 3651+00 - 3654+00 RT

DRILLING & BLASTING OF SOLID ROCK SUBGRADE, ITEM 114 Mod  
 NB 3642+00 - 3643+50  
 NB 3646+50 - 3651+50  
 NB 3652+00 - 3654+00  
 SB 3639+00 - 3650+00 Note: Control of Access is Complete on This Street

PLANK GUARD RAIL WITH PRESERVATIVE TREATMENT, ITEM 541-A  
 NB 3651+00 LT - 16'-0"  
 SB 3652+55 LT - 16'-0"



NORTH BOUND REST AREA  
 SEE SHEET 27 of 135 of 503-A  
 SB 3639+00 - 3644+00 RT



\* Stage 2 Construction  
 CONTRACT 5  
 Stage 2 Construction  
 HARTLAND - HARTFORD  
 I 97 - (22)3P  
 Sheet 29 of 135  
 Sheet 10 of 135

PLAN  
 SUBMITTED  
 DATE  
 BY  
 NO.  
 DATE  
 BY  
 NO.

STONE FILL FOR SLOPE PROTECTION  
 ITEM 322  
 S.B. 3654+00-3655+00 RT.

\*THREE CABLE GUARD RAIL  
 W/ STEEL POSTS ITEM 342  
 S.B. 3654+00-3663+00 RT.  
 S.B. 3654+00-3666+04 LT  
 N.B. 3659+00-3661+05 LT

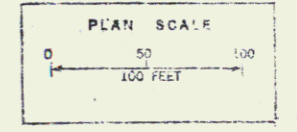
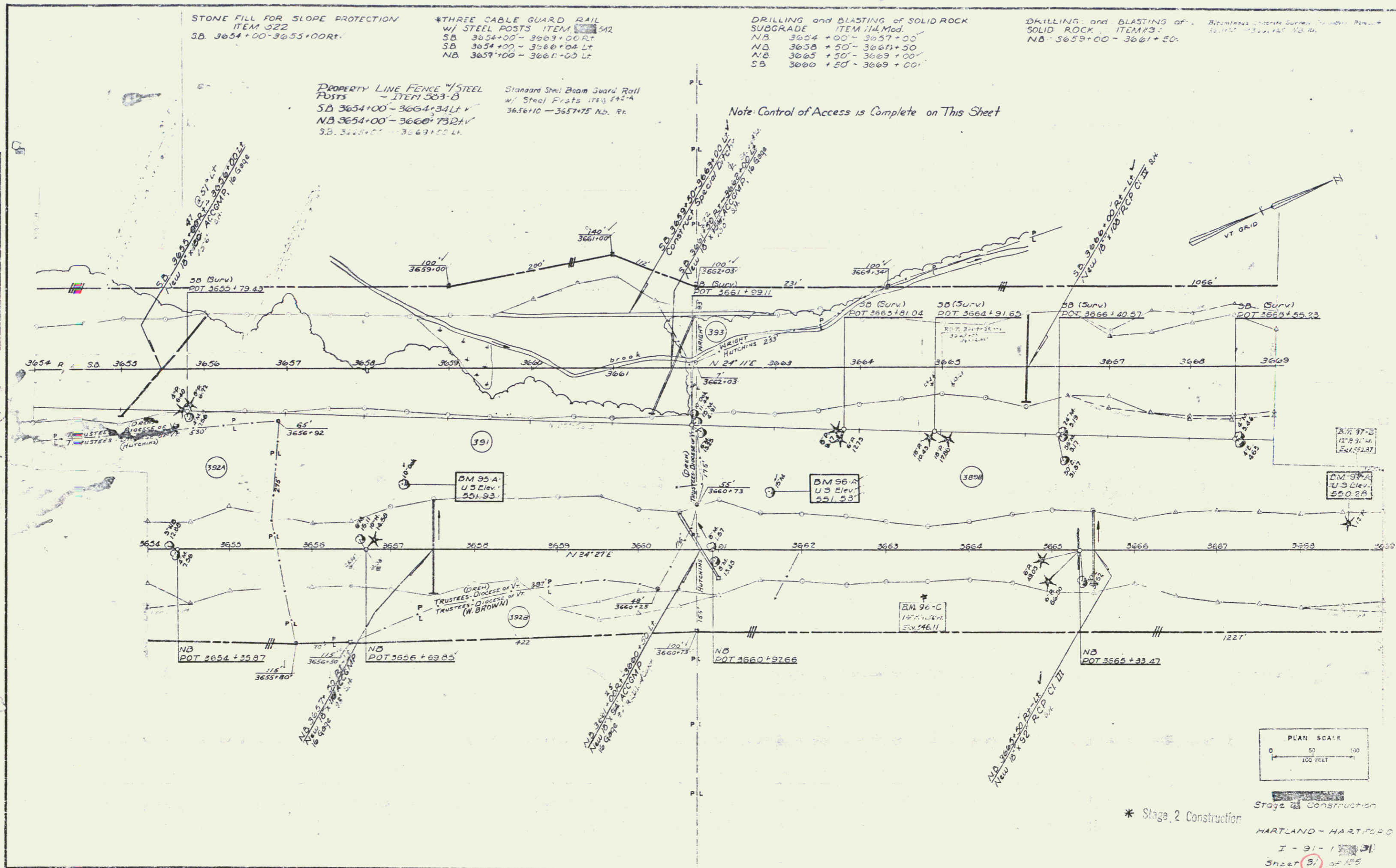
DRILLING and BLASTING of SOLID ROCK  
 SUBGRADE ITEM 114 Mod.  
 N.B. 3654+00-3657+00  
 N.B. 3658+50-3661+50  
 N.B. 3665+50-3669+00  
 S.B. 3660+50-3669+00

DRILLING and BLASTING of SOLID ROCK  
 ITEM 113  
 N.B. 3659+00-3661+20

PROPERTY LINE FENCE 1/2" STEEL  
 POSTS - ITEM 303-B  
 S.B. 3654+00-3664+34 LT  
 N.B. 3654+00-3660+73 RT  
 S.B. 3655+00-3669+00 LT

Standard Steel Beam Guard Rail  
 w/ Steel Posts ITEM 342-A  
 3656+10-3657+75 N.B. RT.

Note: Control of Access is Complete on This Sheet



\* Stage 2 Construction  
 Stage 1 Construction  
 HARTLAND - HARTFORD  
 I - 91 - 1 (91)  
 Sheet (31) of 125  
 Sheet 12 of 222

DRILLING AND BLASTING OF SOLID ROCK SUBGRADE ITEM 114 Mod  
 SB 3669+00 - 3672+50  
 NB 3669+00 - 3671+50

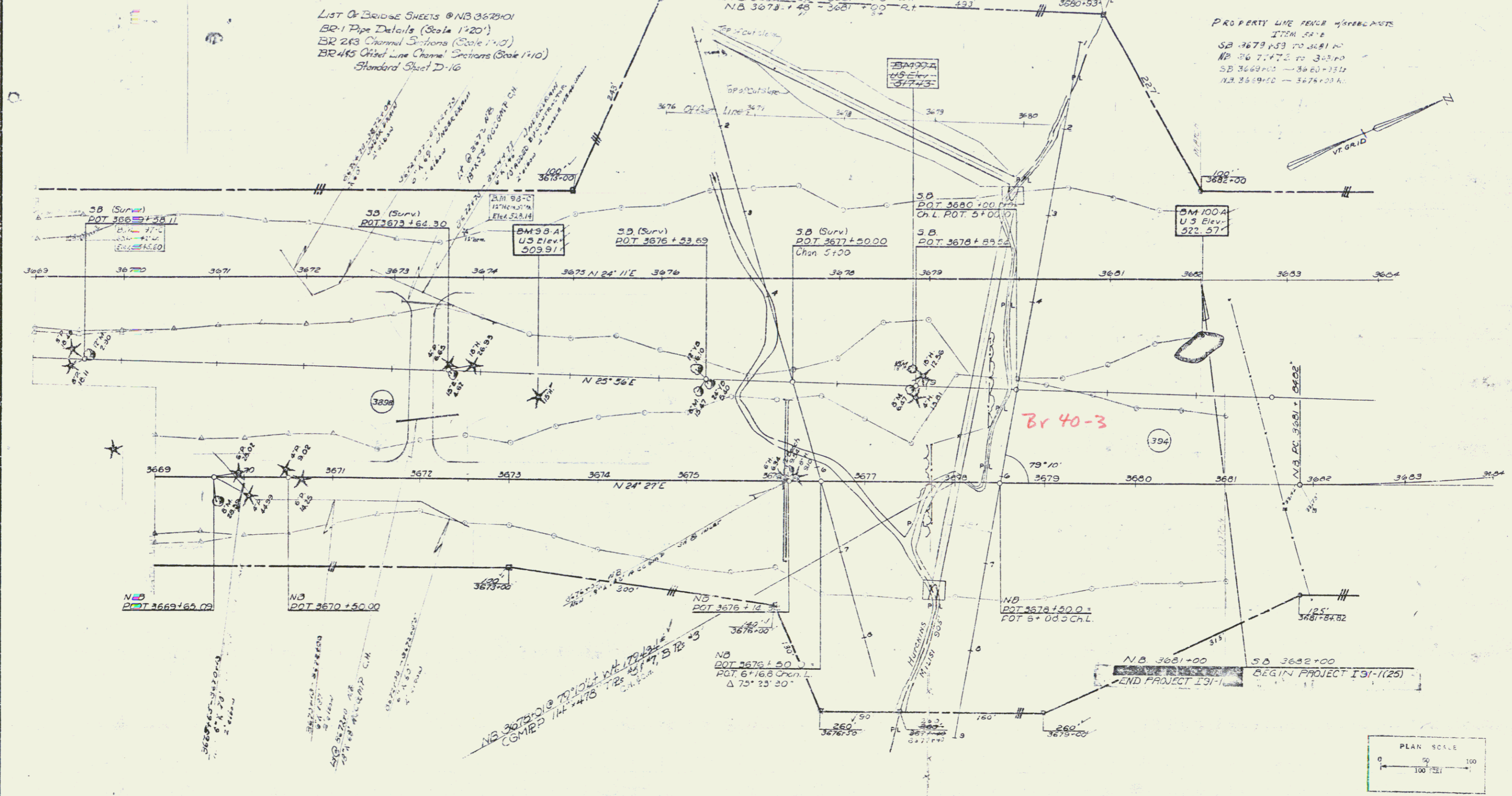
THREE CABLE GUARD RAIL WITH STEEL POSTS ITEM 542  
 SB 3674+00 - 3682+00 LT  
 SB 3674+00 - 3682+00 RT  
 NB 3672+52 - 3681+00 LT  
 NB 3678+48 - 3681+00 RT

LIST OF BRIDGE SHEETS @ NB 367501  
 BR-1 Pipe Details (Scale 1/20)  
 BR-243 Channel Sections (Scale 1/40)  
 BR-45 Offset Line Channel Sections (Scale 1/40)  
 Standard Sheet D-16

PROPERTY LINE FENCE MARKERS ITEM 542  
 SB 3679+53 TO 3681+00  
 NB 3674+72 TO 3680+00  
 SB 3669+00 - 3680+50  
 NB 3669+00 - 3676+00

Note: Control of Access is Complete on This Street

PLAN	DATE	BY	CHECKED
REVISED			
ADMINISTRATIVE			
REVISIONS			



Br 40-3

\* Stage 2 Construction

Stage 1 Construction

HARTFORD-HARTLAND  
 I-91 (Rt. 31)  
 Sheet 33 of 35  
 Sheet III of 34

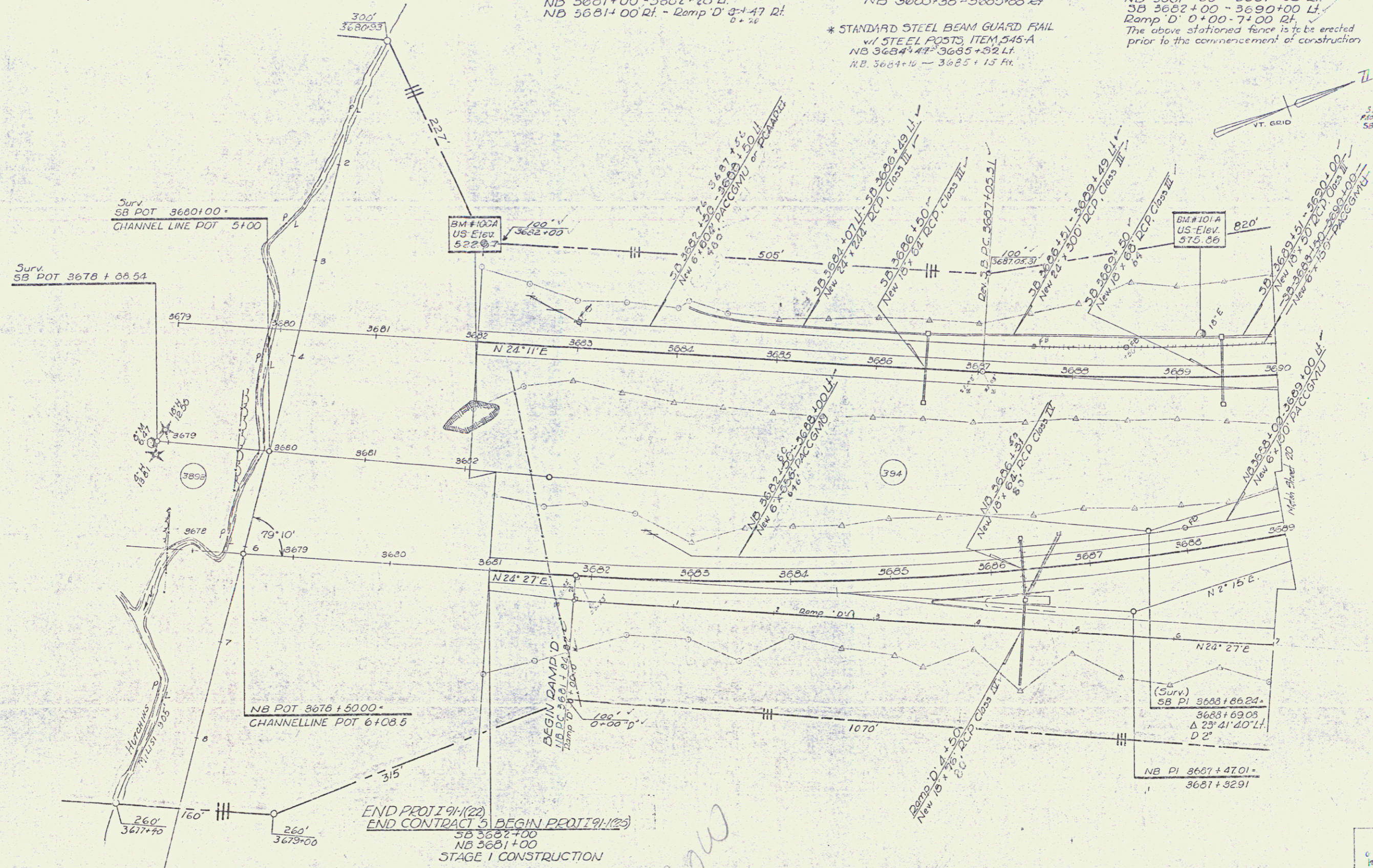
\* BITUMINOUS CONCRETE GUTTER ITEM 334  
Ramp D 4+00 - 4+75 Lt.

\* THREE CABLE GUARD RAIL  
w/ STEEL POSTS, Item 543.542  
NB 3681+00 - 3682+28 Lt.  
NB 3681+00 Rt. - Ramp D 3+47 Rt.  
0+28

\* GRANITE SLOPE EDGINGS Item 538-A  
RAMP D 3+36 - 4+06 Lt.  
NB 3685+38 - 3685+68 Rt.  
\* STANDARD STEEL BEAM GUARD RAIL  
w/ STEEL POSTS, ITEM 545-A  
NB 3684+41 - 3685+32 Lt.  
N.B. 3684+10 - 3685+13 Ft.

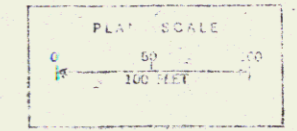
PROPERTY LINE FENCE  
w/ STEEL POSTS, Item 503-D,  
NB 3681+00 - 3681+85 Rt.  
SB 3682+00 - 3690+00 Lt.  
Ramp D 0+00 - 7+00 Rt.  
The above stationed fence is to be erected  
prior to the commencement of construction

STONE FILL FOR SLOPE  
PROTECTION ITEM 342  
SB 3681+10 - 3690+52 Lt.



END PROJ 191(20) BEGIN PROJ 191(25)  
END CONTRACT 5 SB 3682+00  
NB 3681+00  
STAGE 1 CONSTRUCTION

*Row*



Stage 21 Construction

\* Indicates Stage 2 Construction  
CONTROL OF ACCESS  
COMPLETE ON THIS SHEET

Ramp D  
HARTLAND - HARTFORD  
151-1(25)(51)  
151-1(2) Interchange  
Sheet 18 of 26  
SHEET 113 of 242

• BITUMINOUS CONCRETE GUTTER ITEM 554  
 S.B. 3694+71.52 - NB 3695+00 Lt  
 3701+50 S.B. 371 - NB Lt  
 3721+00 - NB Rt  
 3732+00 - NB Rt  
 3691+50 - NB Rt

• THREE CABLE GUARD-RAIL w/ STEEL POSTS ITEM 542  
 NB 3700+04 - 3701+88 Rt  
 S.B. 3701+25 - 3701+91 Lt  
 NB 3700+06 - 3702+00 Lt

PROPERTY LINE FENCE w/ STEEL POSTS, ITEM 583-B  
 S.B. 3690+00 - 3695+67 Lt  
 Ramp D' 7+00 - 10+00 Lt  
 (The above stationed fence is to be erected prior to the commencement of construction)  
 Ramp E' 14+00 - 16+25 Rt S.B. Lt

• GRANITE SLOPE EDGING-ITEM 556-A  
 Ramp E' 17+00 - 17+37 Lt

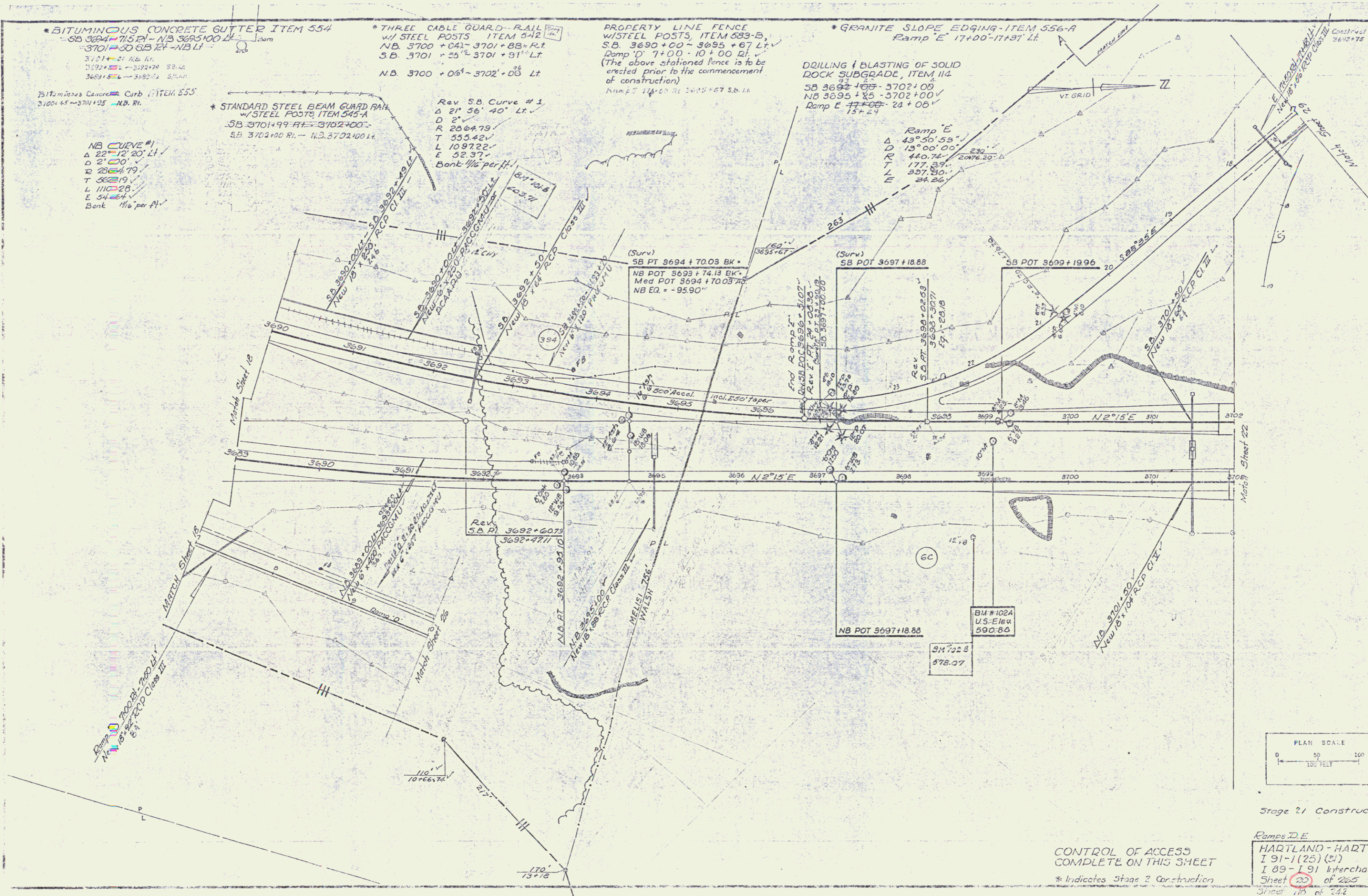
DRILLING & BLASTING OF SOLID ROCK SUBGRADE, ITEM 114  
 S.B. 3692+10 - 3702+00  
 NB 3695+85 - 3702+00  
 Ramp E' 17+00 - 24+00  
 13+24

3170mils Concrete Carb ITEM 555  
 3100+45 - 3701+25 - NB Rt

• STANDARD STEEL BEAM GUARD RAIL w/ STEEL POSTS ITEM 545-A  
 S.B. 3701+99 - 3702+00  
 S.B. 3702+00 Rt - NB 3702+00 Lt

Rev. S.B. Curve #1  
 Δ 21° 56' 40" Lt  
 D 2'  
 R 2064.79  
 T 555.42  
 L 1097.22  
 E 52.37  
 Bank 1/4% per ft.

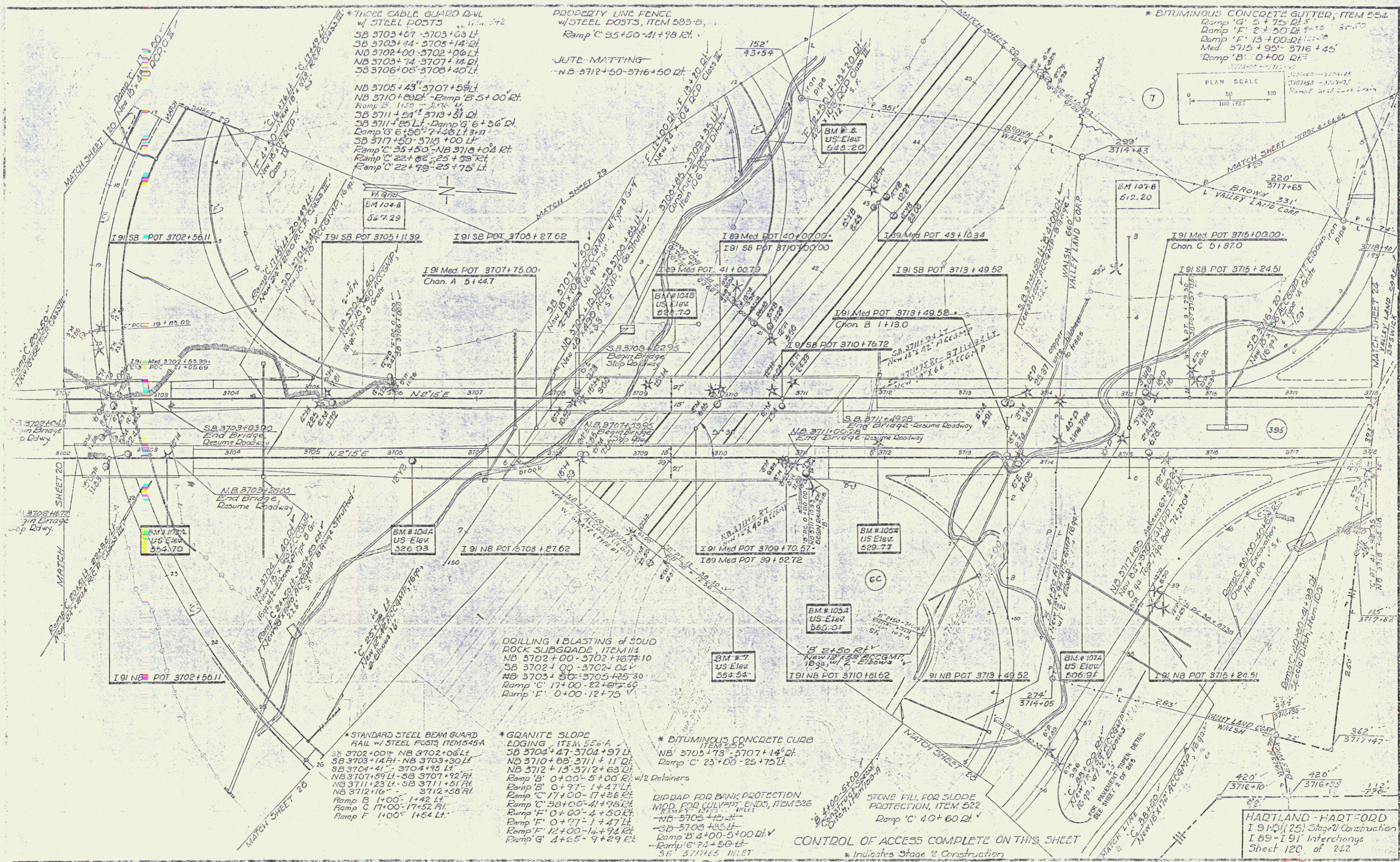
NB CURVE #1  
 Δ 22° 12' 20" Lt  
 D 2' 00"  
 R 2864.79  
 T 562.19  
 L 1110.28  
 E 54.24  
 Bank 1/4% per ft.



Stage 21 Construction

CONTROL OF ACCESS COMPLETE ON THIS SHEET  
 \* Indicates Stage 2 Construction

Ramps D, E  
 HARTLAND - HARTFORD  
 I 91 - I (25) (21)  
 I 89 - I 91 Interchange  
 Sheet 23 of 265  
 Sheet 115 of 142



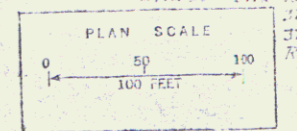
THREE CABLE GUARD RAIL w/ STEEL POSTS  
 NB 3703+07-3703+03 LT  
 SB 3703+14-3705+14 RT  
 NB 3702+00-3702+06 LT  
 NB 3703+14-3707+14 RT  
 SB 3706+05-3706+40 LT

NB 3705+43-3707+59 LT  
 NB 3710+00 RT - Ramp B 5+00 RT  
 Ramp B 1+50 - 2+76 LT  
 SB 3711+25 LT - Ramp G 6+56 RT  
 Ramp G 6+56 RT - 7+46 LT  
 SB 3717+50-3718+00 LT  
 Ramp C 25+50 - NB 3718+00 RT  
 Ramp C 22+62 - 25+75 RT  
 Ramp C 22+79 - 25+75 LT

PROPERTY LINE FENCE w/ STEEL POSTS, ITEM 583-B  
 Ramp C 35+50-41+98 RT

JUTE MATTING  
 NB 3712+50-3716+50 RT

\* BITUMINOUS CONCRETE GUTTER, ITEM 254  
 Ramp 'G' 5+75 RT  
 Ramp 'F' 2+50 RT  
 Ramp 'E' 13+00 RT  
 Med 3715+95 - 3716+45  
 Ramp 'B' 0+00 RT



DRILLING & BLASTING of SOLID ROCK SUBGRADE, ITEM 111  
 NB 3702+00-3702+16 RT  
 SB 3702+00-3702+04 V  
 NB 3702+30-3702+25 V  
 Ramp C 17+00-22+62 RT  
 Ramp F 0+00-12+75 V

\* STANDARD STEEL BEAM GUARD RAIL w/ STEEL POSTS, ITEM 104A  
 SB 3703+00 RT - NB 3702+06 LT  
 SB 3703+14 RT - NB 3703+30 LT  
 SB 3704+41 - 3704+95 LT  
 NB 3707+59 LT - SB 3707+92 RT  
 NB 3711+23 LT - SB 3711+51 RT  
 NB 3712+10 - 3712+58 RT  
 Ramp B 1+00 - 1+42 LT  
 Ramp C 17+00 - 17+52 RT  
 Ramp F 1+00 - 1+64 LT

\* GRANITE SLOPE LOSING, ITEM 55-A  
 SB 3704+47-3704+97 LT  
 NB 3710+85-3711+11 RT  
 NB 3712+13-3712+63 RT  
 Ramp B 0+00-5+00 RT w/ 2 Detainers  
 Ramp B 0+97-1+47 LT  
 Ramp C 17+00-17+56 RT  
 Ramp C 33+00-41+98 RT  
 Ramp F 0+00-4+50 RT  
 Ramp F 0+97-1+47 LT  
 Ramp F 12+00-14+94 RT  
 Ramp G 4+65-9+29 RT  
 SB 3716+5

\* BITUMINOUS CONCRETE CURB, ITEM 255  
 NB 3705+79-3707+14 RT  
 Ramp C 23+00-25+75 LT

BIDRIP FOR BANK PROTECTION MOD. FOR CULVERT ENDS, ITEM 526  
 NB 3705+45  
 SB 3708+35 LT  
 Ramp B 4+00-5+00 RT  
 Ramp C 7+4+50 LT  
 SB 3716+5

STONE FILL FOR SLOPE PROTECTION, ITEM 522  
 Ramp C 40+60 RT

HARTLAND - HARTFORD I 89-I 91 (25) Stage 2 Construction I 89-I 91 Interchange Sheet 120 of 242

DRILLING & BLASTING OF SOLID ROCK, SUBGRADE  
ITEM 114 "H" RAMP 4150-6150

Concrete  
3724+25

PROPERTY LINE FENCE w/  
STEEL POSTS, ITEM 585-B  
NB 3718+04-3724+00 Rt.  
Ramp "H" 0+17-7+13 Rt.

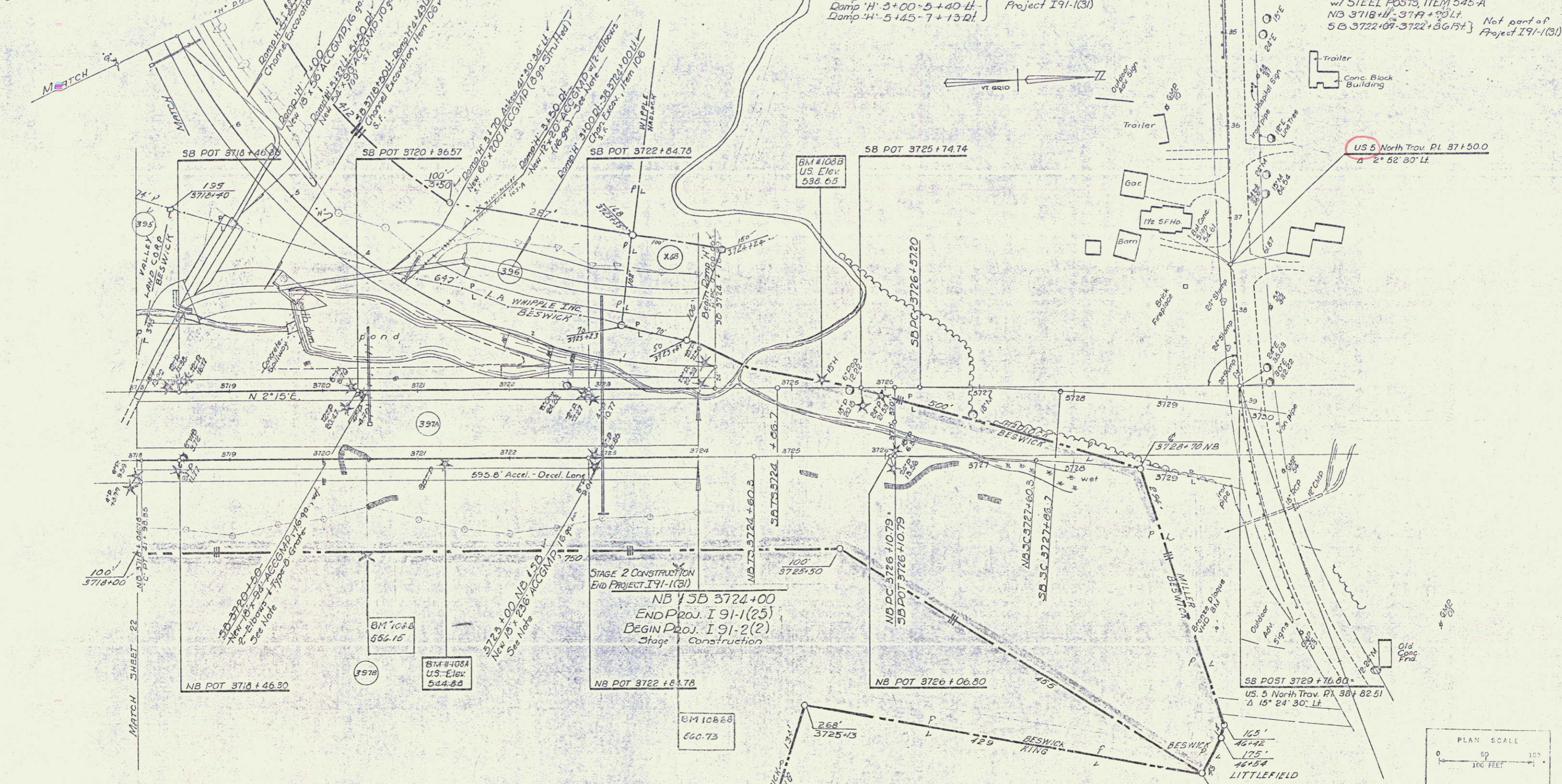
STONE FILL for SLOPE PROTECTION  
ITEM 522  
SB 3718+50 Lt. Ramp "H" 4+43 Lt.  
Ramp "H" 3+00 Rt. SB 3724+00 Lt.  
Ramp "H" 6+50-7+13 Lt.

\* THREE CABLE GUARD RAIL  
w/ STEEL POSTS, ITEM 542  
NB 3718+04-3721+69 Lt.  
SB 3718+00-3721+02 Lt.  
NB 3722+40-3724+00 Lt.  
Ramp "H" 0+17-4+01 Lt.  
Ramp "H" 3+00-5+40 Lt.  
Ramp "H" 5+45-7+13 Lt.

JUTE MATTING, ITEM 673  
SB 3719+50-3724+00 Lt.  
Med. 3720+50-3722+50

\* GRANITE SLOPE EDGING,  
ITEM 556-A  
SB 3721+90-3722+148 Lt. Not part of  
RAMP "H" 4+65-2+15 Lt. Project I 91-1(31)

\* STANDARD STEEL BEAM GUARD RAIL  
w/ STEEL POSTS, ITEM 545-A  
NB 3718+04-3724+00 Lt. Not part of  
SB 3722+07-3722+36 Ft. Project I 91-1(31)



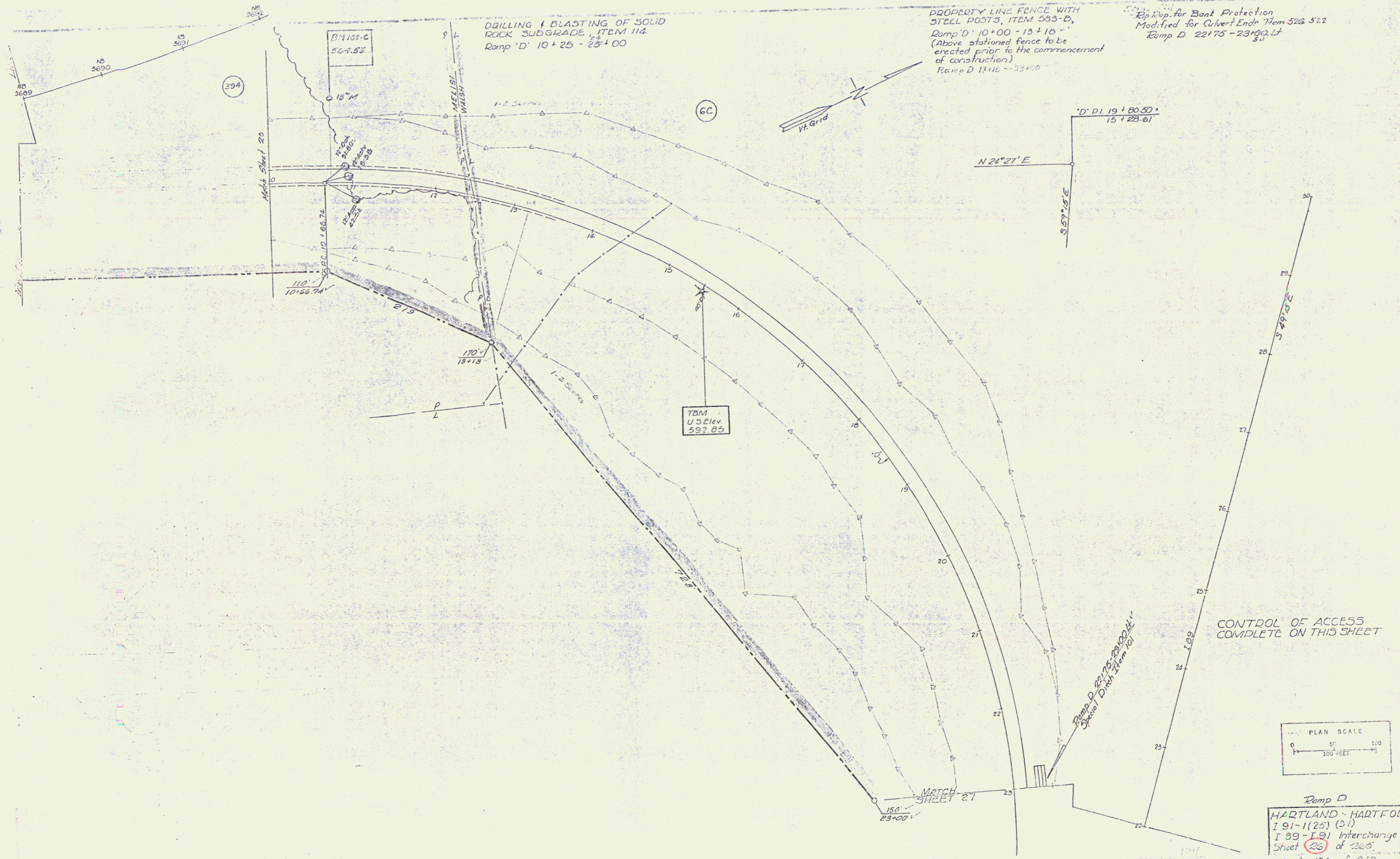
NOTE:-  
These Culverts are to be installed after the Fill  
has been completed by others.  
-SB-3726+50  
NB+SB 3723+00'  
Ramp "H" 3+50

\* BITUMINOUS CONCRETE CURB  
ITEM 555  
Not part of  
Project I 91-1(31) Ramp "H" 0+17-3+50 Rt.  
DRILLING & BLASTING OF SOLID ROCK  
SUBGRADE, ITEM 114  
Ramp "H" 4+75-6+00

Bituminous Concrete Surface for Gutters  
& Traffic Islands, ITEM 557  
Ramp "H" 1+51-1+52 Rt.

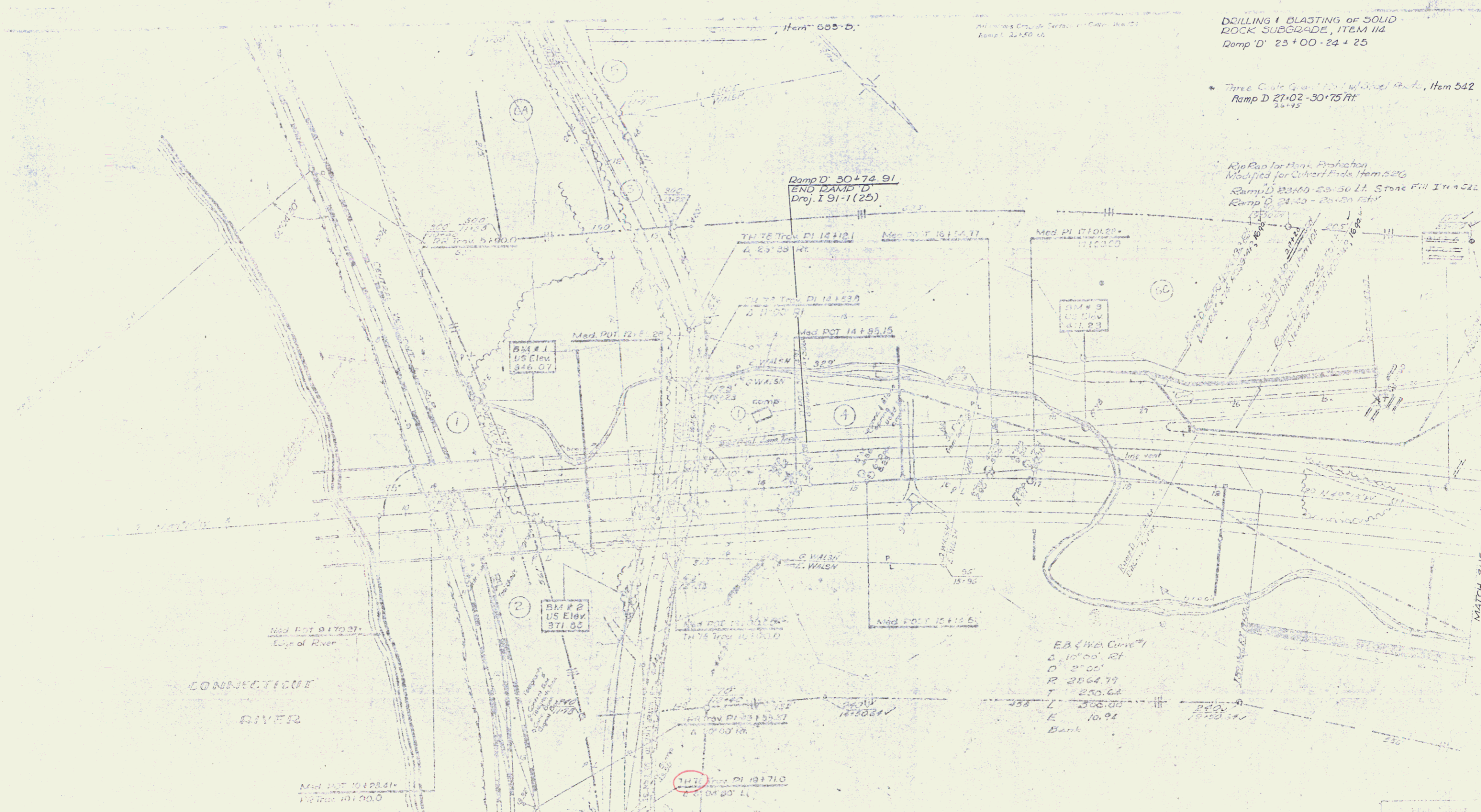
CONTROL OF ACCESS  
COMPLETE ON THIS SHEET  
\* Indicates Stage 2 Construction

DAMP "H"  
HARTLAND - HARTFORD  
I 91-1(31)  
I 89-1(31) Interchange  
Sheet 24 of  
Sheet 122 of 244



Ramp D  
 HARTLAND - HARTFORD  
 I 91-1(25) (31)  
 I 89-I 91 Interchange  
 Sheet 26 of 26  
 Sheet 124 of 242

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DRILLING & BLASTING OF SOLID  
ROCK SUBGRADE, ITEM 114  
Ramp D' 23+00 - 24+25

\* Three Cuts @ 100' of Steel Piles, Item 542  
Ramp D' 27+02 - 30+75 ft

Rip Rap for Bank Protection  
Modified for Culvert Piles Item 526  
Ramp D' 23+00 - 25+50 ft. Stone Fill Item 522  
Ramp D' 24+25 - 25+20 ft

CONNECTICUT  
RIVER

POOR ORIGINAL COPY

CONTROL OF ACCESS  
COMPLETE ON THIS SHEET  
\* Indicates Stage 2 Construction

HARTLAND -  
91-1(25)  
Stage 2 Construction  
Sheet 125 of 242  
27 263

Property Line Fence w/ Steel Posts Item 203.3  
 Ramp A 21+99-33+55 RT  
 Ramp C 33+55-35+50 RT

\* Granite Slope Edging, Item 536-A  
 Ramp A 25+71-24+21, LT  
 Ramp B 5+00-12+30 RT w/ Retainer

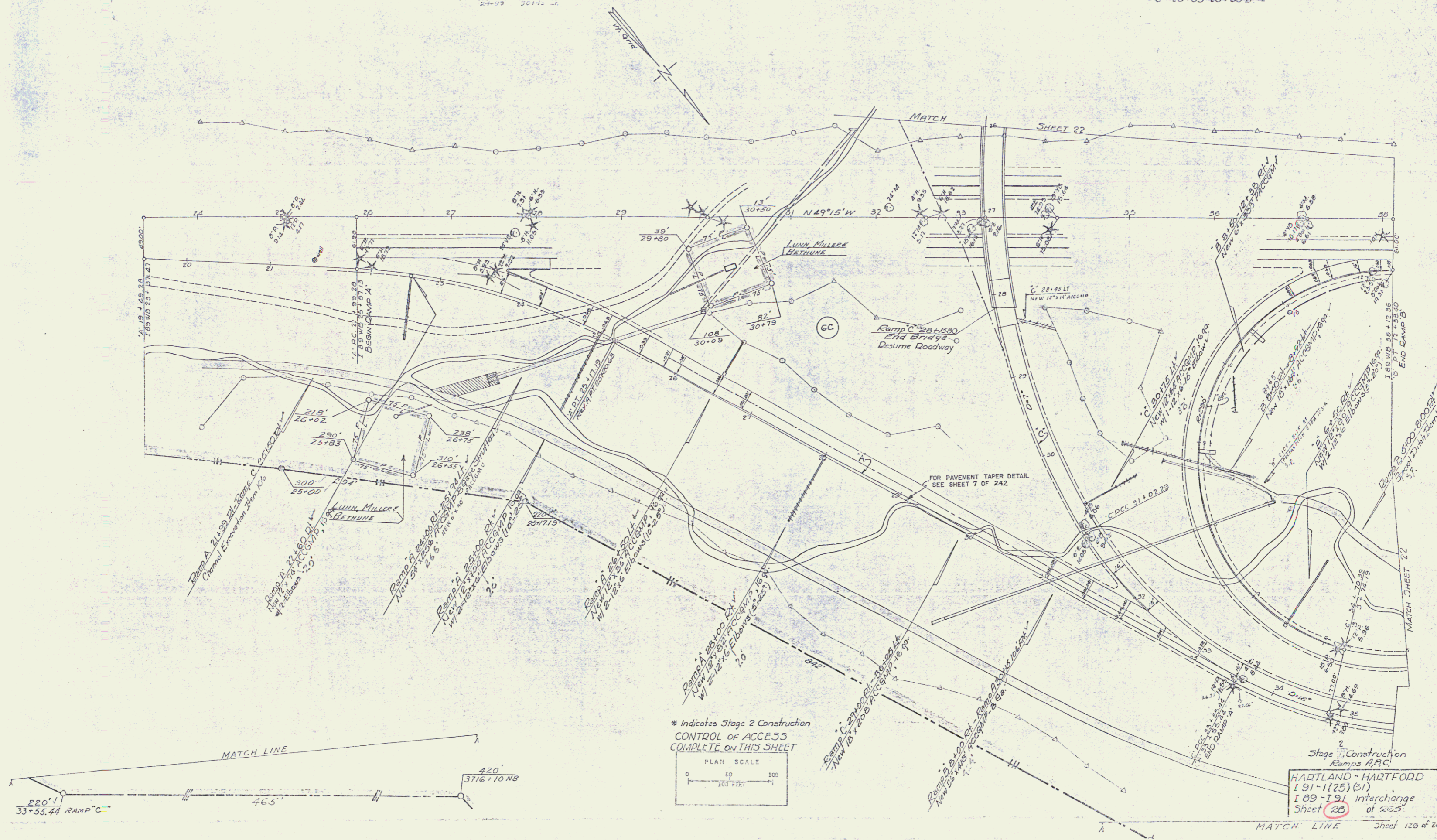
\* Three Cable Guard Rail w/ Steel Posts  
 A 21+99-C 35+50 RT, Item 542  
 B 5+00-8+00 RT  
 C 28+27-30+59 RT  
 A 25+50-29+95 LT

Jute Matting Item 223  
 C 30+25-30+25 LT  
 C 27+75-30+75 RT  
 B 6+50 RT

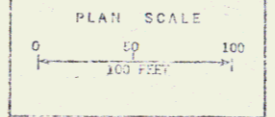
\* Bituminous Concrete Curb Item 535  
 Ramp A 21+99-21+50 RT  
 Ramp A 26+30-29+05 LT  
 Ramp C 28+31-30+75 LT

\* Bituminous Concrete Gutters Item 534  
 Curb Drains  
 B 8+00 RT  
 B 10+80 RT  
 C 28+35-29+55 LT

Eriprap for Bank Protection  
 Mod for Culvert Ends Item 526  
 Ramp D 5+00-8+00 RT  
 Ramp A 24+00 RT



\* Indicates Stage 2 Construction  
 CONTROL OF ACCESS  
 COMPLETE ON THIS SHEET



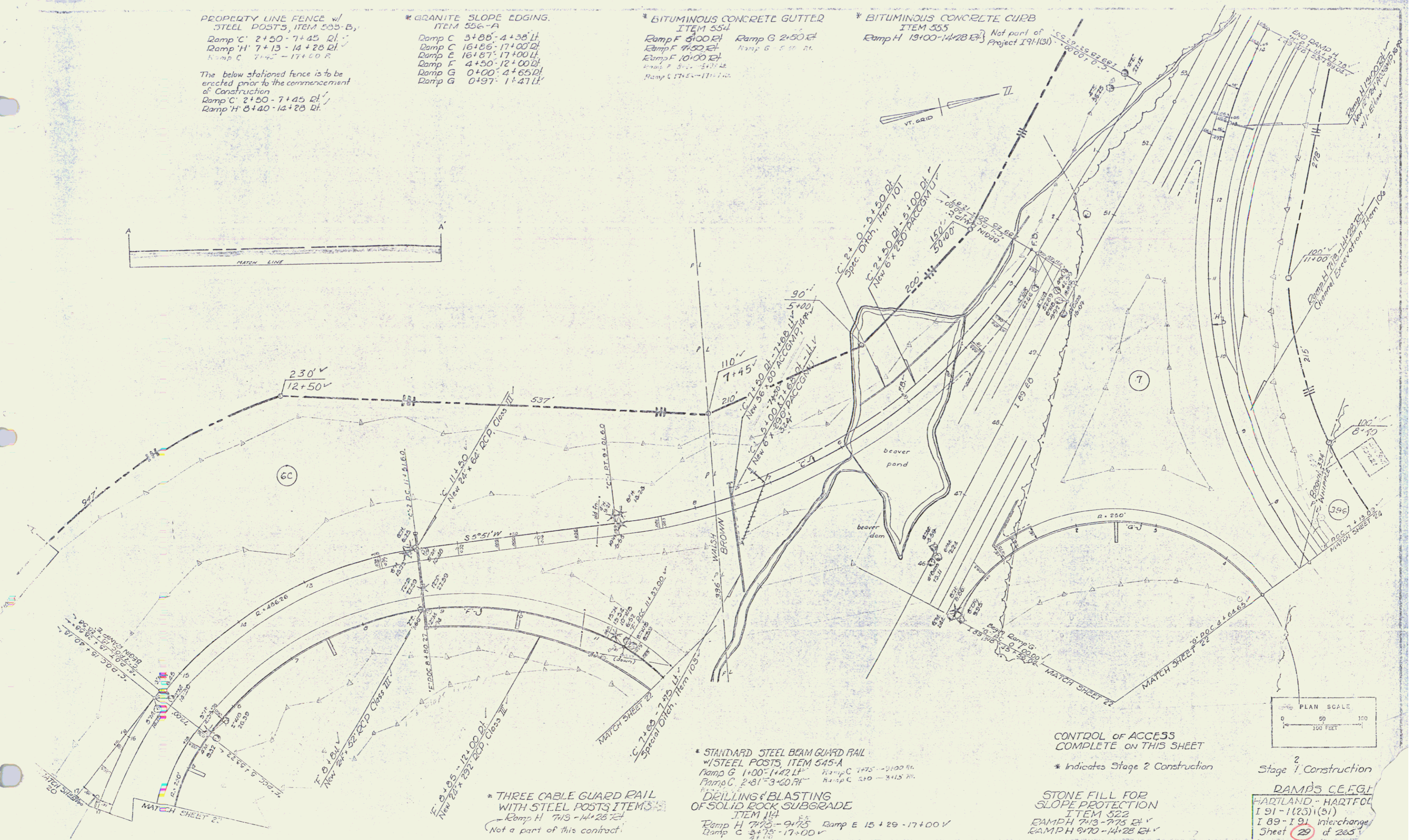
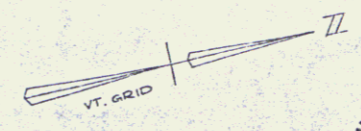
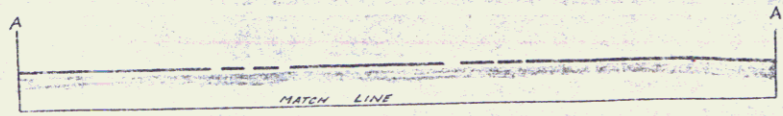
Stage 2 Construction  
 Ramps A, B, C  
 HADTLAND - HARTFORD  
 I 91 - I 25 (B1)  
 I 89 - I 91 Interchange  
 Sheet 28 of 225

PROPERTY LINE FENCE w/  
STEEL POSTS, ITEM 555-B,  
Ramp C' 2+50 - 7+45 D.L.  
Ramp H' 7+13 - 14+28 D.L.  
Ramp C' 7+45 - 17+00 R.  
The below stationed fence is to be  
erected prior to the commencement  
of construction  
Ramp C' 2+50 - 7+45 D.L.  
Ramp H' 8+40 - 14+28 D.L.

\* GRANITE SLOPE EDGING,  
ITEM 556-A  
Ramp C 3+88 - 4+38 D.L.  
Ramp C 16+86 - 17+00 D.L.  
Ramp E 16+87 - 17+00 D.L.  
Ramp F 4+50 - 12+00 D.L.  
Ramp G 0+00 - 4+65 D.L.  
Ramp G 0+37 - 1+47 D.L.

\* BITUMINOUS CONCRETE GUTTER  
ITEM 554  
Ramp F 11+50 D.L.  
Ramp F 11+50 D.L.  
Ramp F 10+00 D.L.  
Ramp F 8+15 - 8+15 D.L.  
Ramp L 17+5 - 17+15 D.L.

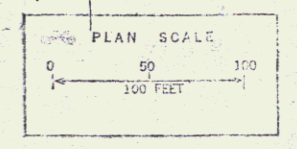
\* BITUMINOUS CONCRETE CURB  
ITEM 555  
Ramp H 13+00 - 14+28 D.L.  
Not part of Project I 91-103  
0+00 - 0+5



\* THREE CABLE GUARD RAIL  
WITH STEEL POSTS ITEMS  
Ramp H 7+13 - 14+28 D.L.  
Not a part of this contract.

\* STANDARD STEEL BEAM GUARD RAIL  
WITH STEEL POSTS, ITEM 545-A  
Ramp G 1+00 - 1+42 D.L.  
Ramp C 2+81 - 3+40 D.L.  
Ramp C 2+75 - 3+00 D.L.  
Ramp C 2+10 - 3+15 D.L.  
\* DRILLING & BLASTING  
OF SOLID ROCK SUBGRADE  
ITEM 114  
Ramp H 7+13 - 9+75  
Ramp C 3+15 - 17+00 V.  
Ramp E 15+29 - 17+00 V.

CONTROL OF ACCESS  
COMPLETE ON THIS SHEET  
\* Indicates Stage 2 Construction



Stage 2 Construction  
DAMPS C.E.F.G.I.  
HARTLAND - HARTFOL  
I 91 - I 203 (21)  
I 89 - I 91 interchange  
Sheet 29 of 265  
Sheet 12 of 242

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