

1	Title Page
2	Alignment Sheet
3-4	Typical Sections
5-6	Utility Sheets, Storm
7	Sanitary Sewer, Drainage
8-11	Gravels & Gravel Layers
12-15	Final Plans
16-21	Plans & Profiles
22	Concrete Arch at Joints
23	Plan and Elevation
24	Quantity Sheet
25	Preliminary Information Sheet
26	Porting Plan
27	Forming Plan
28	Arch and Abutment Details
29	Wing Wall and Reader Details
30	Reinforcing Steel Schedule
31	Plan Details
32	General Notes
33	Forming Details
34	Bridge Quantities
35	Forming Plan
36	Abutment No. 1 Details
37	Abutment No. 2 Details
38	Plan Details
39	Reinforcing Steel Schedule
40	Details A, B, C
41	Details A, B, C, D, E
42	Detail A
43	Detail A
44	Sheet #1 of 2

27 F-1 Property Line Fence
 95-99 6-2x6 Two Cable Guard Rail
 100 6-4 Wood and Steel Marker Posts
 101 4-1 Project Marker, Boundary Marker
 102 4-6 Field of Ice
 103-105 Metaline Cross Sections
 17-18 1-8-88 Cross Sections

*LET'S ADD FIRM
 TO FINAL CONTRACT SHEETS
 STRUCTURAL STEEL
 DETAILS W/ EXTENDED
 WEIGHT*

TOWNS OF HARTLAND-HARTFORD

COUNTY OF WINDSOR **Pin# 99R056**

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

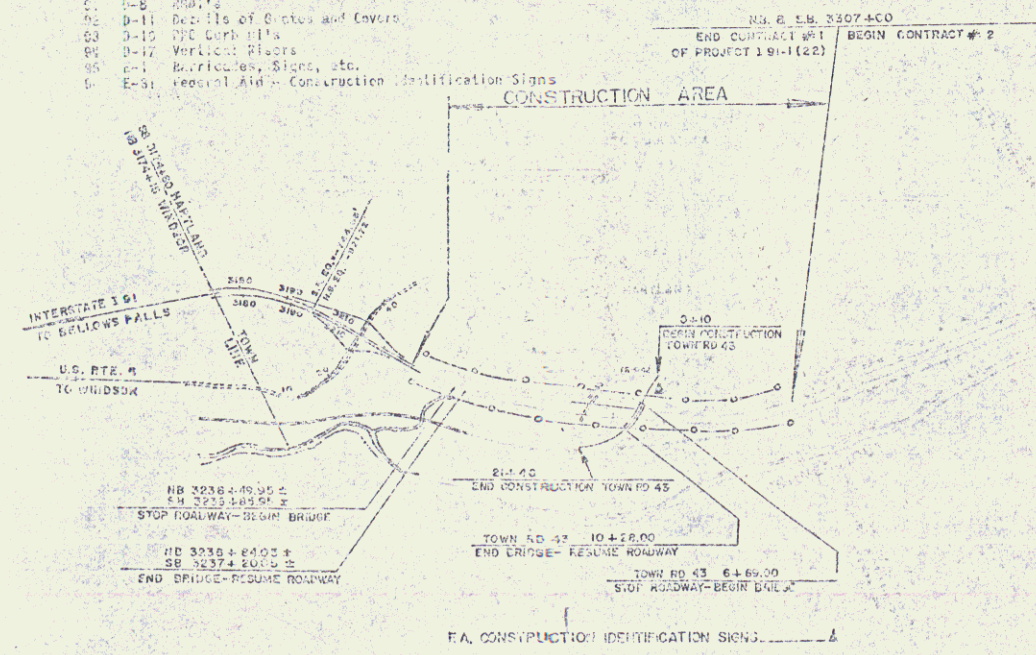
CONTRACT #1
 BEGINNING AT A POINT 0.865 MILE NORTHERLY OF THE
 WINDSOR-HARTLAND TOWN LINE AND EXTENDING NORTH-
 ERLY 1.4667 MILES

LENGTH OF ROADWAY 2815.90 FEET = 1408 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 1938	1160
E	5.1 %
F	7 %
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 PROVIDED TO THE DESIGNER.

NOTE: For Sight-of-Day 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*

Sheet 1 of 100

NB CURVE No 1
 Δ 18° 55' 55" Lt
 D 7' 0"
 R 1204.73'
 T 426.81'
 L 846.6'
 E 31.56'
 Bnk. 1/16" Per Ft.

SB CURVE No 2
 Δ 21° 27' 45" Lt
 D 2' 03" 11"
 R 1790.83'
 T 528.88'
 L 1045.42'
 E 49.65'
 Bnk. 1/16" Per Ft.

NB CURVE No 3
 Δ 6° 37' 25" Lt
 D 0° 30"
 R 11439.16'
 T 663.10'
 L 1324.72'
 E 19.17'
 Bnk. 1/4" per ft.

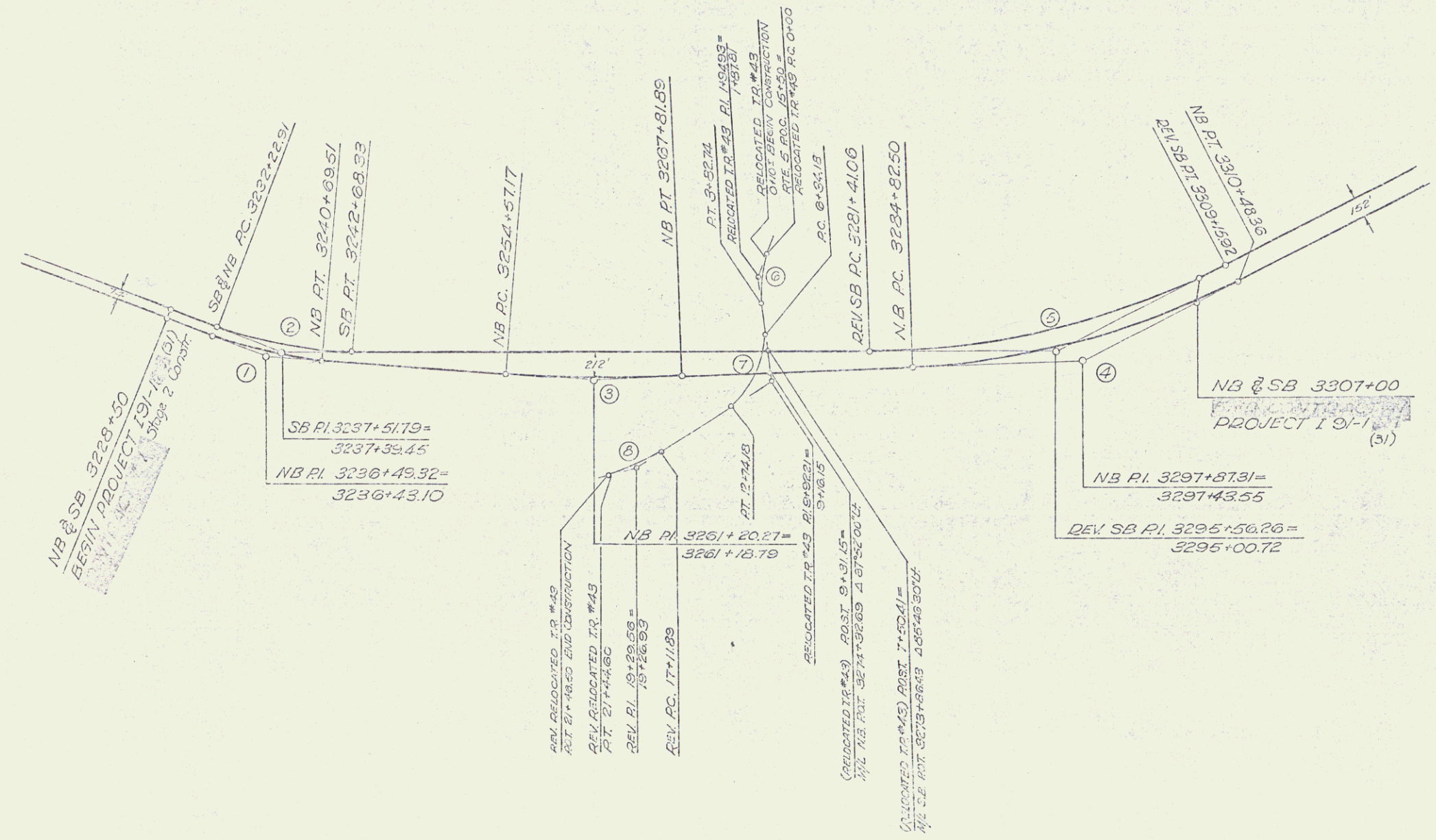
NB CURVE No 4
 Δ 25° 39' 31" Lt
 D 1' 0"
 R 5729.58'
 T 1304.81'
 L 2565.86'
 E 146.55'
 Bnk. 3/16" Per Ft.

SB CURVE No 5 (Rev)
 Δ 27° 45' 00" Lt
 D 1' 0"
 R 5729.58'
 T 1415.20'
 L 2774.86'
 E 172.17'
 Bnk. 3/16" Per Ft.

T.R. #43 CURVE No 6
 Δ 26° 47' 30" Lt
 D 7' 00"
 R 313.51'
 T 194.93'
 L 382.74'
 E 22.89'
 Bnk. 3/4" per ft.

T.R. #43 CURVE No 7
 Δ 64° 00' 00" Rt
 D 10' 00"
 R 572.93'
 T 350.03'
 L 640.00'
 E 102.66'
 Bnk. 3/4" per ft.

T.R. #43 CURVE #8
 Δ 15° 25' 00" Lt
 D 3' 53' 48"
 R 1608.20'
 T 217.67'
 L 432.71'
 E 14.67'
 Bnk. 1/2" per ft.



Stage 2 construction
 ALIGNMENT SHEET
 HARTLAND-HARTFORD
 ROAD PROJECT 19-1-11
 Jan. 15, '62 Scale, 1"=500'
 Sheet 2 of 232 Sheet 2 of 189

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

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL	OWNER	SHEET NO.	DATE	STATION	TAKING	REMARKS	TITLE	DATE	TOWN OR CITY	RECORDED	REMARKS
320	ERNEST W. MARTIN			3232+75.10M	3243+07.50M	21.5A 2A	235.7A				SANMILL, SHED
				3233+30.50M							DRAINAGE
				3234+00.00M							DRAINAGE
				3243+10.50M							DRAINAGE
				3246+04M	3250+50.50M						DITCH
				3248+00.00M							DITCH
320A	TOWN OF HARTLAND			3220+10.50M	3243+35.10M	NONE	N/A				ALL RTES IN 0.55A TR #41
B				3222+65.10M	3204+13.50M	NONE					ALL RTES IN 0.6A TR #43
C				3100 TR #42	17+00 TR #5	NONE					ALL RTES IN 0.35A TR #42
D				21+28 ST	22+10 TR #43	NONE					ALL RTES IN 0.1A TR #43
E				3367+45 SD ST	3368+53.50M	NONE					ALL RTES IN 0.16A TR #76
F				5+49 RT	0+00 TR #76	NONE					ALL RTES IN 0.45A TR #76
G				3414+00 NE 1/4 3119	78 SD ST	NONE					ALL RTES IN 0.8A TR #19
H				5+67 RT #76	3302+78 HW	NONE					ALL RTES IN 1.0A TR #11
I				3517+81 HW RT	3515+43 HW RT	NONE					ALL RTES IN 0.35A TR #16
J				3536+10 HW RT	3544+07 HW RT	NONE					ALL RTES IN 1.1A TR #15
K				3558+10 HW RT	3560+18 HW RT	NONE					ALL RTES IN 3.6A TR #16
330A	JOHN G. & PAULINE M. PERRON			3218+50 HW RT	3211+00 SD ST	10.8A 1A	11.0A				DRAINAGE
				3264+50 HW RT							DRAINAGE
B				3265+00	3266+10 HW RT	0.2A					DITCH
				17+56	21+28 TR #23						
332A	J. KINGSLEY STEVENS			3271+00	3278+30 HW RT	7.2A 1A	6.8A				HOUSE
				3274+80.50M							DRAINAGE
B				3266+72	3271+00 HW RT						ALL RTES IN 12' ROW
C				17+00 TR #5	3272+90.50M	1.6A					
				18+21 TR #41	3271+00 HW RT	0.5A					
333	HENRIETTA L. PIERCE			3277+00 HW RT		NONE	56.0A				SPRING
334	HAROLD B. & LETA F. BARBOUR			3279+00	3280+00 HW RT	NONE	1.0A				SPRING
335	EARL V. & BONNIE R. HUSON			3279+00	3280+00 HW RT	NONE	2.0A				SPRING
336	RALPH O. & VELMA STILSON			3276+30	3281+55 HW RT	2.5A 1A	1.3A				DRAINAGE
				3278+50 HW RT							DRAINAGE
				3281+00 HW RT							DRAINAGE
337	RICHARD D. & EVEL B. SYKES			17+00 TR #23	3200 TR #52	0.4A	14.6A				
338	DONALD A. & EUGENIA M. FRAY			0+70 TR #54	3100 TR #21	0.3A	0.6A				DRIVE 2190 LT TR #42
339	THOMAS E. & MARLENE A. FOLEY			12+74 HW RT	18+23 TR #31	1.1A	1.9A				DRIVE
				15+00 TR #43							SEWER PIPE CROSSING
				16+40 TR #43							ALL RTES IN 12' ROW
				3266+72	3271+00 HW RT						
340A	CENTRAL VERMONT RAILWAY, INC			16+82 ST	12+10 TR #43	0.6A	N/A				DITCH
B				16+40 ST	13+25 TR #43						
C				3203+42	3284+30 HW RT	0.16A 1A	N/A				
				3283+62	3364+60 HW RT	0.45A 1A	N/A				
				3357+30	3364+00 HW RT						SLOPE 0.22 AT
				3482+40	3482+10 HW RT						SLOPE 200 SF
				3483+96	3484+10 HW RT						SLOPE 400 SF
341	JOHN HARRECK & JENNIFER L. GURNEY			3279+45	3293+85 HW RT	16.3A 2A	118.7A				6 NEW HOUSES
342	VERA L. EDWARDS & MURDO A. MACKEY			3294+93 HW RT	3299+00 HW RT	4.5A 1A	7.9A				
343	STEVEN R. & LINDA J. MORRIS			3296+16 HW RT	3303+00 HW RT	3.9A 1A	4.7A				
344	HARRY K. SHEPARD			3202+70 HW RT	304+65 HW RT	1.5A 1A	0.8A				
345	ESSEL HARRIS			3304+08 HW RT	3312+60 HW RT	7.8A 1A	37.0A				
346	FRANK & BEATRICE MATTIE			3312+16 HW RT	3316+31 HW RT	7.9A 1A	7.0A				HOUSE, GARAGE, SHED, WELL
				3312+61	3316+30 HW RT						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+00 - 3312+62 TO 3312+62	11-9-04	MWG	[Signature]
12		PARCEL 346 CHANGE TRADING LINE BETWEEN STA 3312+62 - 3316+31 TO 3312+62	11-9-04	MWG	[Signature]

POOR ORIGINAL COPY

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



APPROVED: [Signature] 8/20/03
 APPROVED: [Signature] 8/20/03
 APPROVED: [Signature] 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

REF. NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING ±	PERM ±	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY	RECORD NO.	PG.	REMARKS	
347	KENNETH E. MERRILL		3316+30 NB RT 3316+50 NB RT	3324+20 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 3331+20 NB RT	3341+00 NB RT 3332+05 NB RT	12.3A LA	8.0A							SNOW HOUSE Loss of Access (8.0A)	
349	LEO P. DEBERNADI		3338+08 NB RT	3341+10 NB RT	NONE	4.0A							Loss of Access (4.0A)	
350	LOUIS P. SR. & KATHLEEN SHERMAN		3320+45 SB LT	3323+87 NB RT	3.5A LA	8.5A							DANCE HALL, CABIN, RESTAURANT	
351 A & B	SELDON E. & PEARL A. MILLER		3340+59 SB LT 3351+76 RT 3346+50 SB LT	3357+05 SB LT 3400+05 SB LT 3353+05 SB LT	16.2A LA 9.6A 2.2A	16.8A							Non Participating WOOD LOT HEN HOUSE, HOUSE, GARAGE Non Participating	
352	LENNIS E. MERRITT ESTATE		434+70 RT	440+00 US E	0.6A	49.4A								
353 A & B	VERN E. & GLADYS H. OSMER		3356+06 NB RT 3366+30 SB LT 430+60 US E	3370+70 NB RT 3356+30 SB LT 3347+00 SB LT	9.3A LA 0.8A 0.8A								WATER PIPE LINE DRAINAGE	
354 A & B	PERCY N. & LOUISE M. COURTEMANCHE B 4166 FREEZE HILL MOTOR COURT		431+00 LT 3368+00 SB LT 3366+30 SB LT 4+80 76" WB	434+00 LT 435+47 E US E 3384+58 SB LT 3384+58 SB LT	3.3A 14.4A LA	82.3A							WATER PIPE CROSSING	
355	WILLIAM J. & VIRGINIA A. WATKINS		3360+25 NB RT	3373+88 NB RT	3.2A LA	NONE							HOUSE, RESTAURANT, & CABINS	
357	HALBERT L. & WILMA Z. DENSTORE		3385+50 SB	3324+20 NB RT 3331+30 NB RT	NONE	13.1A							WATER PIPE LINE Loss of Access (10.7A)	
358	EDMUND G. & DOROTHY M. GOODWIN		3382+70 NB RT 3393+50 NB RT 3396+50 NB RT 3405+00 NB RT	3406+57 NB RT 3406+57 NB RT 3406+57 NB RT 3406+57 NB RT	22.8A LA	98.2A							DRAINAGE DRAINAGE DRAINAGE DRAINAGE	
359	ERNEST W. & NELLE V. BROWN		3397+15 SB	3397+65 NB									WATER PIPE LINE	
359	EMMANUEL O. & BARBARA R. TROTTER		3406+50 SB LT 3408+40 SB 3414+50 NB RT	3419+53 SB LT 3419+53 SB LT 3419+53 SB LT	14.7A LA	25.3A							WATER PIPE LINE DRAINAGE	
360	MERTON K. BENNETT		3414+50 NB RT	3422+21 SB LT	4.0 LA	7.6A							HOUSE, SHED, GARAGE	
361	RAYMOND S. & HELEN E. NYMAN		3420+25 NB RT 3422+25 SB LT 3422+25 NB RT 3427+00 ML LT 3430+50 ML RT 3435+00 ML RT 3435+05 ML RT	3444+65 ML RT 3443+45 ML LT 3443+45 ML LT 3422+65 NB RT 3427+65 NB RT 3433+45 ML LT 3433+45 ML LT	21.5A LA	139.5A							DRAINAGE DRAINAGE DRAINAGE DRAINAGE DRAINAGE DRAINAGE WATER PIPE LINE	
362	PHILO T. & VIVIAN L. WITHERINGTON & H. RUSSELL & RUTH M. DENNON		3443+45 ML RT 3444+65 ML RT 3456+75 ML RT 3460+00 ML RT 3465+00 ML RT 3465+05 ML LT 3470+00 ML RT 3475+00 ML RT 3475+20 ML	3480+80 ML RT 3467+00 ML RT 3467+00 ML RT 3467+00 ML RT 3467+00 ML RT 3467+00 ML RT 3467+00 ML RT 3467+00 ML RT 3467+00 ML RT	30.6A LA	299.4A								WOODSHED Loss of Access (8.3A)
363	JOHN W. & LILLIAN M. WEBSTER		3457+25 ML LT		NONE	30.0A							SPRING	
364	GEORGE L. & ANELE SMITH		3478+25 ML LT 3483+00 ML RT 3489+20 ML	3490+02 ML LT 3490+02 ML LT 3490+02 ML LT	10.2A LA	39.8A							SPRING WATER PIPELINE	
365	ELLSWORTH L. & ELLA M. CHRISTEN		3489+85 ML RT 3492+50 ML RT	3494+85 ML RT 3492+50 ML RT	2.7A LA	2.0A							SPRING	
366 A & B	EVERETT H. & LUELLA M. MILLER		3492+50 ML RT 3495+00 ML RT 3495+00 ML RT 3500+00 ML RT 3495+00 ML RT	3502+41 ML RT 3502+41 ML RT 3502+41 ML RT 3502+41 ML RT 3502+41 ML RT	4.5A LA	6.4A							DRAINAGE DRAINAGE DRAINAGE DRAINAGE	
367 A & B	ROBERT M. & EDNA E. COUTERMARSH		3501+02 ML LT 11+40 ETR H	3503+26 ML LT 3502+10 ML LT	0.3A LA 0.4A	0.2A							SPRING	
368	MARK A. & SHIRLEY E. COUTERMARSH & ROBERT M. & EDNA E. COUTERMARSH		14+45 76" H	3503+30 ML	NONE	0.4A							WATER PIPELINE	

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 TAKING LINE BETWEEN STA 3466+75 - 3478+00 PER SHB	11-6-64	MMG	Jul
9		PARCEL #353C ADDED TO TAKING PAR SHB.	11-6-64	MMG	Jul
10		PARCEL #351C ADDED TO TAKING PAR SHB.	11-6-64	MMG	Jul

POOR ORIGINAL COPY

Marked by M. J. ... 8/19/63
... 8/20/63

--- DRAINAGE
--- SPRING
--- WATER PIPELINE
--- LOSS OF ACCESS
--- PRESENT R.O.W.

LEGEND

--- ADJUTANT
--- PROPERTY LINE
--- ...

APPROVED BY: Paul B. Doolittle DATE: 5/20/63
DRAWN BY: G. M. Lane DATE: 8/21/63
CHECKED BY: R. J. ... DATE: 8/22/63
ROCKINGHAM-WHITE RIVER JCT. J-91-1(12)
HARTLAND-HARTFORD SECTION
SHEET 13 OF 120 SHEETS
Contract #1 ROW

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

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	OWNER	SUBJECT NO.	BEGINNING & ENDING NOTATION	TOTAL AC.	DR. AC.	RIGHTS	TOWN OR CITY INCORPORATED	REMARKS
381	ALBERT L. & HELEN B. LUCE		3591+3200 3600+2100 3582+3800 3600+2100 3595+3000 LT 3611+3000 LT 3611+2000 ET	3.82 ALA	400.2A			Loss of Access (5.4A) DRAINAGE CHANNEL - 70.30 FT
382	NANCY BRONER		3602+5000 LT 3613+3200 ET 3609+1000 LT 3612+5000 LT	7.94 ALA	62.1A			DRAINAGE DRAINAGE
383	LEWIS CASIL		3612+1738 LT 3614+5000 ET	3.24 ALA	28.3A			
384	RAYM GALLO, ETAL		3611+3000 LT 3621+1700 ET 3614+3000 ET 3616+5000 ET	3.54 ALA	3.0A			Loss of Access (3.0A) DRAINAGE DRAINAGE
385	HELEN P. ANDREWS		3617+538 LT 3623+3000 ET	3.74 ALA	17.3A			
386	LOUIS E. & MARGARET L. MARFIELD		3620+3000 3639+3500 3620+3000 3639+3500	15.24 ALA	65.8A			Loss of Access (29.2A)
387	TOWN OF HARTFORD, LESSOR LOUIS E. & MARGARET L. MARFIELD, LESSEE		3638+3700 3645+5050 ET	2.84 ALA	15.2A			
388	TOWN OF HARTFORD, LESSOR WINSOR C. & BERTHA C. BROWN		3638+3700 3645+5050 ET	3.04 ALA	17.0A			
389	WINSOR C. & BERTHA C. BROWN		3644+4000 3651+3300 ET 3650+3300 3660+3300 ET 3662+3450 LT 3660+3300 ET 3666+3000 LT	4.74 ALA	40.9A			Loss of Access (11.2A) DRAINAGE
390	WILLIS D. DREW		3644+4000 3651+3300 ET 3650+3300 LT	3.64 ALA	33.4A			DRAINAGE
391	TRUSTEES - DIOCESE OF VT. - LESSOR WILLIS D. DREW, LESSEE		3651+3300 LT 3652+1035 ET	7.04 ALA	12.0A			DRAINAGE
392	TRUSTEES - DIOCESE OF VT. - LESSOR WINSOR C. & BERTHA C. BROWN		3650+4900 3655+1000 ET 3656+1000 3660+3300 ET	2.44 ALA	36.6A			
393	MRS. SKAYES D. MARGENT ALPH/MISS/MISS/MISS		3662+1035 LT 3660+3300 ET	0.24 ALA	200.7A			
394	LOUIS & KATHERINE R. MELISI		3677+4000 3695+6150 ET 3677+4000 3695+6150 ET 3681+5050 LT 3684+1000 LT 4.50 ALA Bldg	20.24 ALA	50.8A			Loss of Access (11.1A) DRAINAGE DRAINAGE DRAINAGE
395	VALLEY LEAD CORP		3714+5000 3718+4500 ET	5.75 AC	NONE			
396	L.A. MILLER, INC		3717+5500 3718+3500 ET	2.14 ALA	11.0A			
397A	MARY R. SEBASTIAN ESTATE & B. GORDON H. SEBASTIAN		3717+5500 46+5050 ET 3716+5000 6150+6000 ET	6.44 ALA	6.7A			This parcel has Dist Maintenance Area Loss of Access (5.7A)
397B	ARCHIE S. & LOUISE B. KING		4000+0000 6150+6000 ET	NONE	3.0A			ALL RTTY IN 16' ROW
398	JOHN D. C. WHITE		3523+5100 3524+5500 ET 3521+00 3523+0000 ET	2.750 AC	1.1A			TEMPORARY FILL - 1500 SQ FT
X6A	GORDON V. & VIVIAN A. HARLOCK		3522+2350 LT 3524+2500 ET	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	[Signature]
3		PARCEL 395 - AREA CORRECTED TO 5.75 A±	5-11-67	DC-B	RADIGAN
4		PARCEL 397, A/B AREAS CORRECTED TO 6.4 A±, PARCEL 'B' TO 6.2 A±, REM. TO 6.7 A± AND LOSS OF ACCESS TO 5.7 A±	5-13-67	ST-E	[Signature]
6		ADDED PARCEL X6B & CORRECTED PROPERTY LINE BETWEEN X6A & 396	9-10-67	BAET	[Signature]

M.L. Jones 8/1/63
W. Jones 8/21/63

POOR ORIGINAL COPY

PRESENT R.O.V.

APPROVED [Signature] 8/20/63
APPROVED [Signature] 8/21/63
APPROVED [Signature] 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+79.11L 35+79.11 35+40.78	3512+86.14 22+22.47R 3504+89.14	6.7A LA 2.7A	630A							HOUSE & GARAGE WATER PIPELINE
370A B	LOUISA F SWASEY		3511+47.11L 20+82.11R 26+00.00	3518+60.11L 31+30.11R 29+50.00	2.4A LA 2.5A	53.6A							DRAINAGE DRAINAGE
371	WILFRED & SADIE M. COURTNE		3511+96.11L	35255+8.11R	0.6A	NONE							HOUSE
372	CARL U. & DANICE M. COURTEMANCHE		3512+42.11L 3513+06.00	3520+11.11R 3517+00.11L	1.4A LA 0.35A	1.4A							DRAINAGE
373A B	ALTA B. WYMAN		3517+95.11L 3517+28.11L 3518+55.11L	3517+00.11L 3515+33.11L 3519+30.11L	1.0A LA 0.35A	565A							SEWER PIPELINE
374	GORDON & BARBARA RUFENODD		3520+05.11L	3521+20.11L	NONE	2.4A							TEMPORARY FILL - 170036P
375A B C	CHARLES T. & MARGUERITE B. RICHARDSON, ETAL 6166 LEMAX FARMS		3519+79.11L 3520+11.11L 3520+11.11L 3526+50.11L 3526+65 3530+00.11L 3531+15.11L 3560+00.11L	3526+53.11L 3523+00.11L 3523+30.11L 3526+50.11L 3526+50.11L 3565+26.11L 3531+15.11L 3560+00.11L	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+45.11L 3526+55.11L 3530+00.11L 3531+00.11L 3531+50.11L 3531+50.11L 3531+50.11L 3533+00.11L 3541+00.11L	3528+31.11L 3545+14.11L	0.1A LA 13.3A LA	206A							Loss of Access (13.9A)
377	JAMES A. & LUCIA J. WESI		3534+18.11L 3534+18.11L 3534+18.11L	3535+16.11R 3534+00.11L	100.5A LA	0.4A							SLOPE - 370.50 FT SPRING
378A B C D E	WILLIAM H. & EVELYN M. SMITH		3536+65.11L 3541+25.11L 3541+31.11L 3545+14.11L 3548+00.11L 3550+25.11L 3550+00.11L 3561+50.11L 3560+58.11L 3565+26.11L 3577+00.11L 3572+00.11L 3576+00.11L 3582+00.11L 3583+00.11L	3544+97.11L 3551+15.11L 3550+00.11L 3571+90.11L 3587+95.11L 3586+45.11L	0.8A 3.7A LA 2.4A 17.6A LA	359.5A							CULVERT Loss of Access (11.0A) DRAINAGE SPRING DRAINAGE SPRING DRAINAGE DRAINAGE DRAINAGE DRAINAGE
379	NORTH HARTLAND WATER CO., INC		3585+00.11L 3587+05.11L 3587+05.11L 3589+00.11L 3589+00.11L	3591+87.11L 3592+38.11L 3592+38.11L	4.0A LA 0.6A LA	6.4A							DRAINAGE
380A B	TOWN OF HARTFORD		3589+75.11L 3650+20.11L	3594+45.11L 3652+28.35L	NONE NONE	N/A N/A							ALL RT#2 IN 0.7A1 TO '18 ALL RT#2 IN 0.5A1 TO '18

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: W. L. Gardner DATE: 3/18/64
CHECKED BY: W. L. Gardner DATE: 8/20/64

---||--- 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: 8/22/64
APPROVED: [Signature] DATE: 11/22/64
ROCKINGHAM - WHITE RIVER JOINT I-91-11(2)
HARTLAND - HARTLAND SECTION
SHEET 5 OF 24 SHEETS

Row

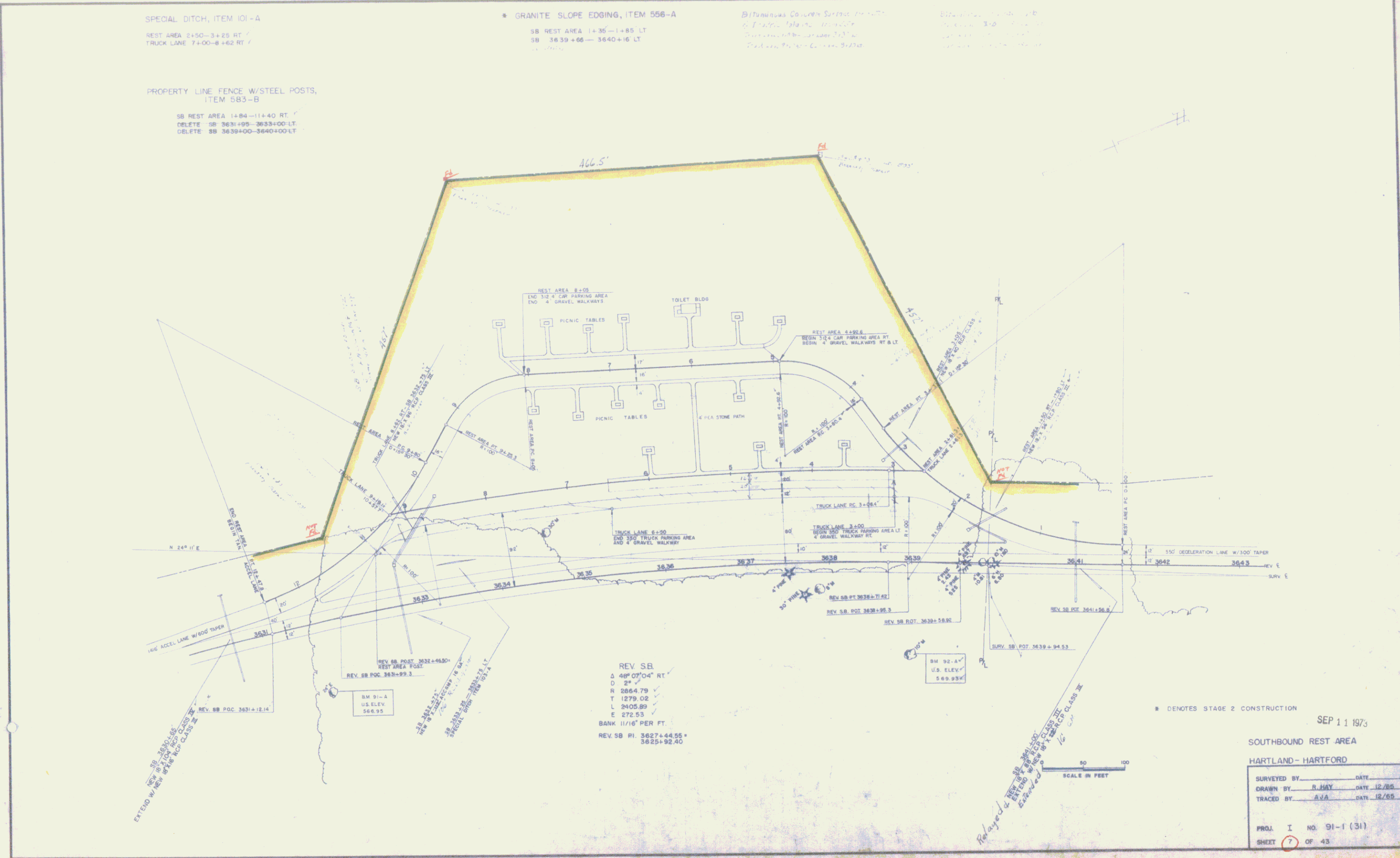
SPECIAL DITCH, ITEM 101-A
 REST AREA 2+50-3+25 RT /
 TRUCK LANE 7+00-8+62 RT /

GRANITE SLOPE EDGING, ITEM 556-A
 SB REST AREA 1+35-1+85 LT
 SB 3639+66 - 3640+16 LT

Bituminous Concrete Surface, 1 1/2" Thick
 6" Drainage Channels, 12" Spacing
 1/2" Sand, 1/2" Gravel, 1/2" Sand
 1/2" Gravel, 1/2" Sand, 1/2" Gravel

12" Concrete Curb, 1/2" Sand, 1/2" Gravel
 1/2" Sand, 1/2" Gravel, 1/2" Sand, 1/2" Gravel

PROPERTY LINE FENCE W/STEEL POSTS,
 ITEM 583-B
 SB REST AREA 1+84-11+40 RT /
 DELETE SB 3631+95-3633+00 LT
 DELETE SB 3639+00-3640+00 LT



REV SB
 Δ 48° 07' 04" RT
 D 2"
 R 2864.79
 T 1279.02
 L 2405.89
 E 272.53
 BANK 11/16" PER FT.
 REV SB PI. 3627+44.55
 3625+92.40

• DENOTES STAGE 2 CONSTRUCTION

SEP 11 1973

SOUTHBOUND REST AREA
 HARTLAND - HARTFORD

SURVEYED BY	DATE
DRAWN BY R. HAY	DATE 12/65
TRACED BY A.V.A.	DATE 12/65
PROJ. I NO. 91-1 (31)	
SHEET 7	OF 43

508

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	JK.	PG.	REMARKS
381	ALBERT L. & HELEN B. LUCE		3591+58.44L 3592+38.44L 3593+00.44L 3611+10.44L	3609+35.44R 3602+50.44L	9.84 LA	400.2A							Loss of Access (5.44A)
382	NANCY BROWER		3602+50.44L 3609+00.44L 3612+50.44L	3613+32.44R	7.94 LA	62.1A							DRAINAGE CHANNEL - 70.50 FT DRAINAGE DRAINAGE
383	LENS CARD		3612+50.44L	3618+80.44R	3.2 LA	22.3A							
384	RALPH GALLO, ETAL		3611+00.44L 3614+00.44R 3616+50.44R	3621+78.44R	3.5 LA	3.0A							Loss of Access (3.0A) DRAINAGE DRAINAGE
385	VALLEY FARMERS		3617+53.44L	3623+04.50L	3.7 LA	17.3A							
386	LOUIS E. & MARGARET L. MAXFIELD		3620+98.44R 3620+98.44R	3639+95.44R 3639+40.44R	15.2 LA	85.8A							Loss of Access (29.2A)
387	TOWN OF HARTFORD, LESSOR LOUIS F. & MARGARET L. MAXFIELD, LESSEE		3638+47.44R	3645+90.38L	2.8 LA	15.2A							
388	TOWN OF HARTFORD, LESSOR WINSON C. & BERTHA C. BROWN		3638+47.44R	3645+82.58L	3.0 LA	17.0A							
389A	WINSON C. & BERTHA C. BROWN		3644+44.44R 3660+73.44R 3664+34.58L 3666+00.38L	3651+82.58R 3680+93.58R	2.7 LA 20.1 LA	57.2A							Loss of Access (11.2A) DRAINAGE
390	WILLIS D. DREN		3644+44.44R 3650+00.38L	3651+82.58L	3.0 LA	33.4A							DRAINAGE DRAINAGE
391	TRUSTEES DIOCESE OF VT. LESSOR MURIEL D. DREN, 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+49.44R 3656+50.44R	3655+80.44R 3660+73.44R	2.8 LA 0.5 LA	36.6A							
392	MRS. SEAVES J. HIGHT AND DAUGHTER		3662+03.58L	3664+34.58L	0.3 LA	409.7A							
394	LOUIS & CATHERINE R. MELLI		3677+40.44R 3682+50.38L 3684+00.38L 4+50.0 R 2+5	3693+67.38L	20.2 LA	50.8A							Loss of Access (11.1A) DRAINAGE DRAINAGE DRAINAGE
395	VALLEY LAKE CAMP		3714+05.44R	3718+48.24L	5.75 A±	NONE							
396	L.A. WHURRY, INC.		3717+65.38L	3723+35.38L	2.1 LA	11.0A							
397A	MARY R. BISHOP ESTATE & GORDON H. BISHOP		3717+82.44R 3716+80.44R 3716+39.44R	46+54.05.44R 6+57.4 R 4+0 3724+08.44R	6.4 LA 5.2A	6.7A							THIS PARCEL FOR DIST. MAINTENANCE AND LOSS OF ACCESS (5.7A)
398	ARCHIE S. & LONA B. KING		4000+50.44R	6+50.4 R 4+0	NONE	3.0A	ALL RIGHTS IN 16' R.O.W.						
399	JOHN D. C. WHITE		3523+57.44L 3521+00.44L	3524+85.44L 3523+00.44L	2.75 LA 2.2A	11A							TEMPORARY FILL - 1920'S
400	SEYMOUR W. & VIVIAN M. HADLOCK		3524+24.58L	3524+24.58L	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 AREAS CORRECTED. PARCEL A TO 6.4 A±, PARCEL B TO 6.2 A±, REM. TO 6.7 A± AND LOSS OF ACCESS TO 5.7 A±	5-13-64	STF	[Signature]
6		ADDED PARCEL NO. 6 & CORRECTED PROPERTY LINE BETWEEN X6A & 396	7-10-64	BAT	[Signature]

LEGEND

MADE BY: [Signature] DATE: 8/16/63
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
---P---P--- PROPERTY LINE
---Δ---Δ--- TOP OF CUT
---O---O--- TOE OF SLOPE

APPROVED: [Signature] DATE: 8/20/63
APPROVED: [Signature] DATE: 7/16/63
APPROVED: [Signature] DATE: 7/16/63
ROCKINGHAM-WHITE RIVER JCT. I-91-1121
HARTLAND-HARTFORD SECTION
SHEETS 340
[Signature]

ROW 8

* THREE RAIL CABLE GUARD RAIL W/
STEEL POSTS - ITEM 543, 542
3232+00 - 3239+00 N.B. RT
3232+92 - 3239+00 S.B.-LT

* BITUMINOUS CONCRETE CURB
ITEM 555
3233+50 - 3239+00 S.B.-LT

* STAGE 2 CONSTRUCTION

DEMOLITION / REMOVAL OF BUILDING
ITEM 536
3231+30 S.B.-LT SHED
3231+00 S.B.-LT SAWMILL

SUB-BASE OF SAND, ITEM 207
3223+00 - 3231+20 NB

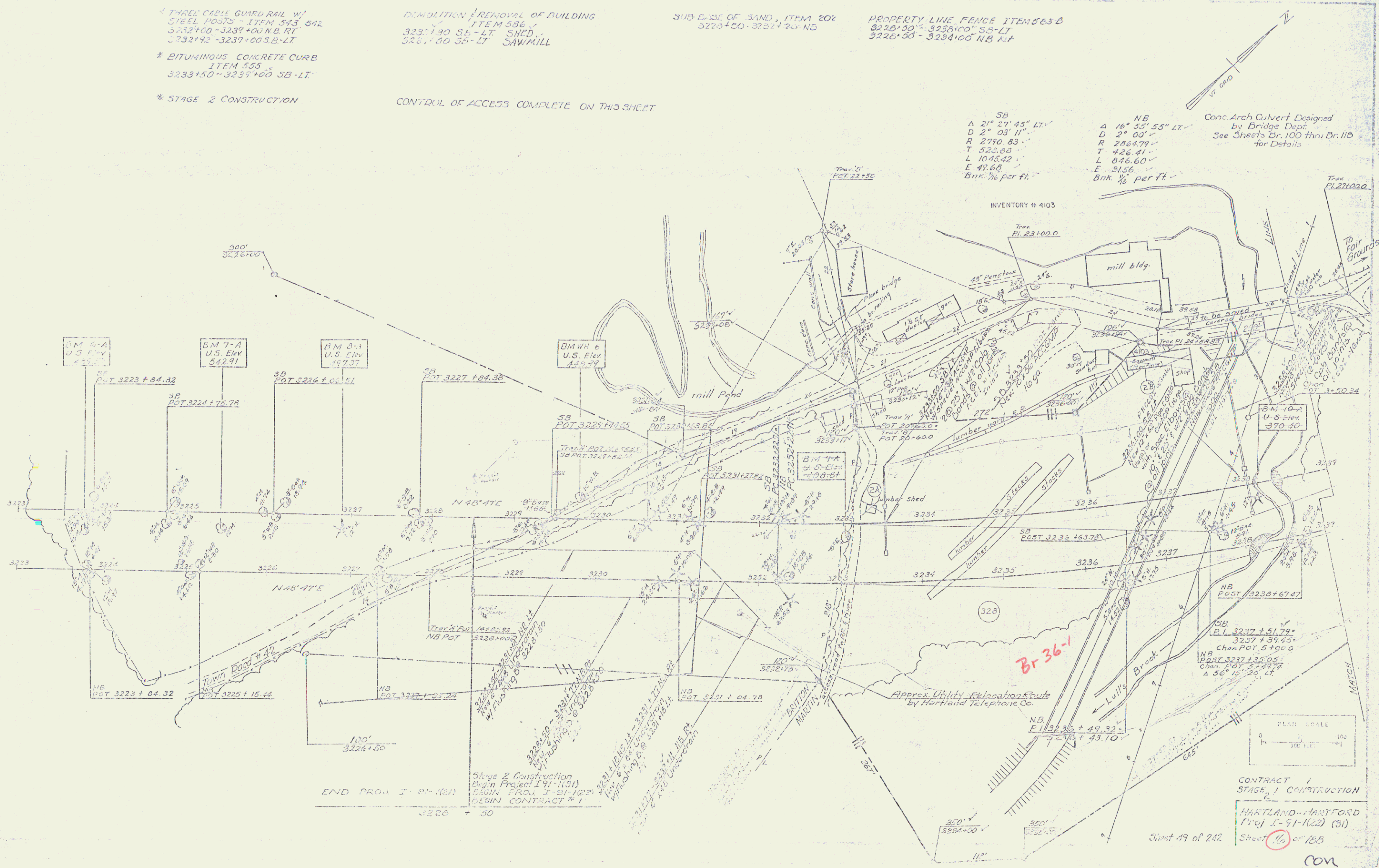
PROPERTY LINE FENCE ITEM 563 D
3220+00 - 3230+00 S.S.-LT
3226+00 - 3234+00 NB H.F.

CONTROL OF ACCESS COMPLETE ON THIS SHEET

SB
Δ 21° 27' 45" LT
D 2° 03' 11"
R 2770.83
T 522.00
L 1045.42
E 47.68
Bnk. 1/8 per ft.

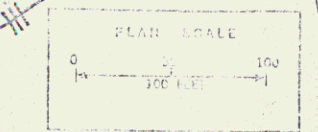
NB
Δ 16° 55' 55" LT
D 2° 00'
R 2864.79
T 426.41
L 876.60
E 31.56
Bnk. 1/8 per ft.

Conc. Arch Culvert Designed
by Bridge Dept.
See Sheets Br. 100 thru Br. 119
for Details



END PROJ. I - 91-102
3230 + 50

Stage 2 Construction
Begin Project I 91-102
Begin Proj. I - 91-102
Begin Contract # 1



CONTRACT 1
STAGE 1 CONSTRUCTION
HARTLAND-HARTFORD
Proj. I-91-102 (51)
Sheet 16 of 18B

con

9

Standard Scale
 W/Side Posts Item 545-A
 3246+50 - 3248+50 NB

THREE CALLE GUARD RAIL W/
 STEEL POSTS - ITEM 542
 3239+00 - 3242+24 NB-RT
 3239+00 - 3241+88 SB-LT

* BITUMINOUS CONCRETE CURB
 ITEM 555
 3239+00 - 3241+25 SB-LT
 *STAGE 2 CONSTRUCTION

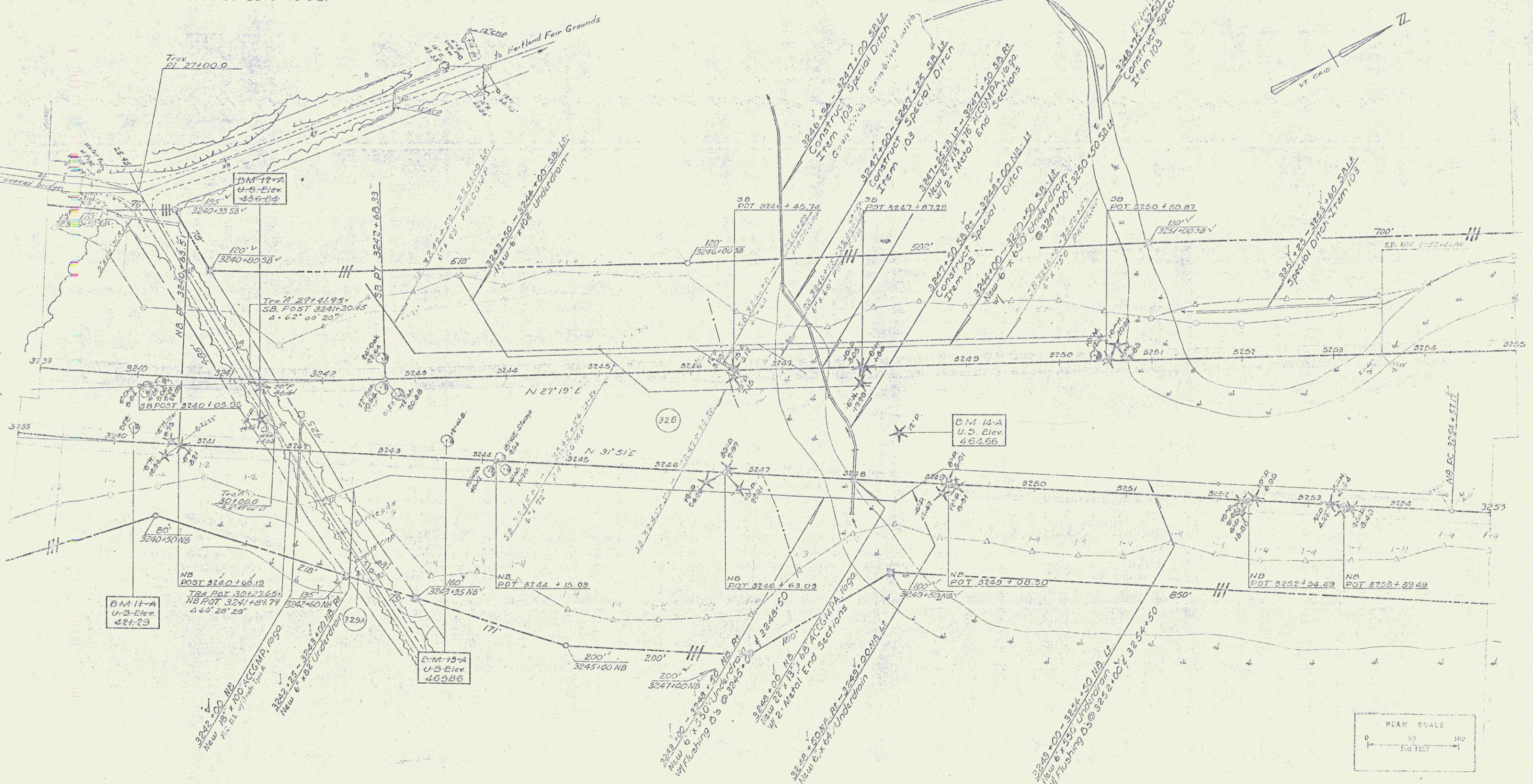
SUB-BASE OF SAND, ITEM 202
 3242+80 - 3254+75 NB
 3245+75 - 3250+75 SB

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

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

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

PROPERTY LINE FENCE ITEM 503-B
 3245+80 - 3255+00 SB-LT
 3247+00 - 3255+00 NB-RT



CONTROL OF ACCESS COMPLETE
 ON THIS SHEET
 Sheet 51 of 242

CONTRACT 1
 STAGE 2 CONSTRUCTION
 HARTLAND - HARTFORD
 Proj. 2-91-122 (31)
 Sheet 17 of 106

Con
 10

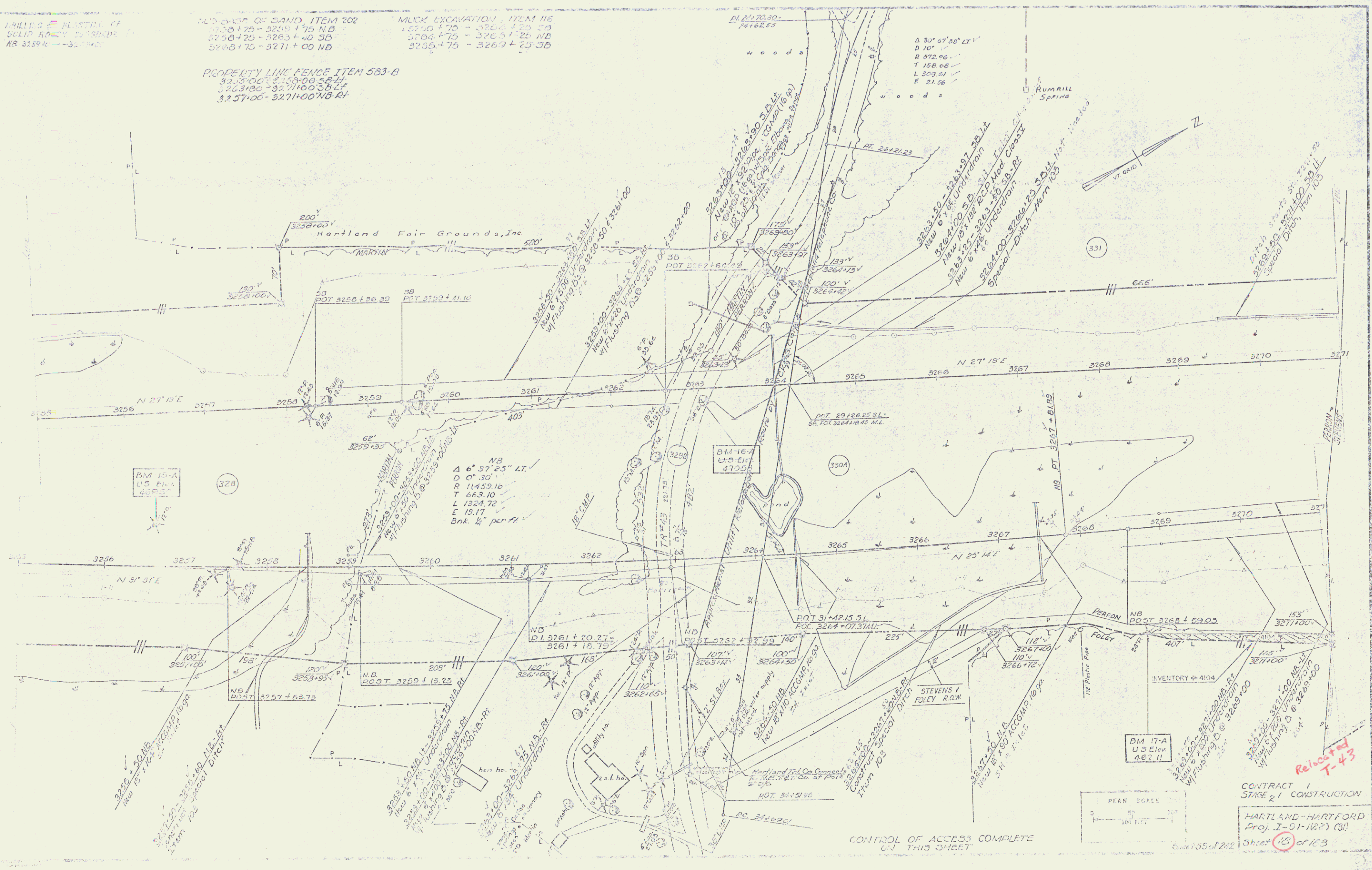
1/4" = 1' HORIZONTAL
1" = 1' VERTICAL
AS SHOWN

SUBSTRATE OF SAND, ITEM 202
3250+75 - 3259+75 NB
3250+75 - 3263+40 SB
3263+75 - 3271+00 NB

MUCK EXCAVATION, ITEM 116
3250+75 - 3259+75 SB
3263+75 - 3269+75 NB
3269+75 - 3269+75 SB

PROPERTY LINE FENCE ITEM 563-B
3250+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 158.60'
L 309.61'
E 21.56'

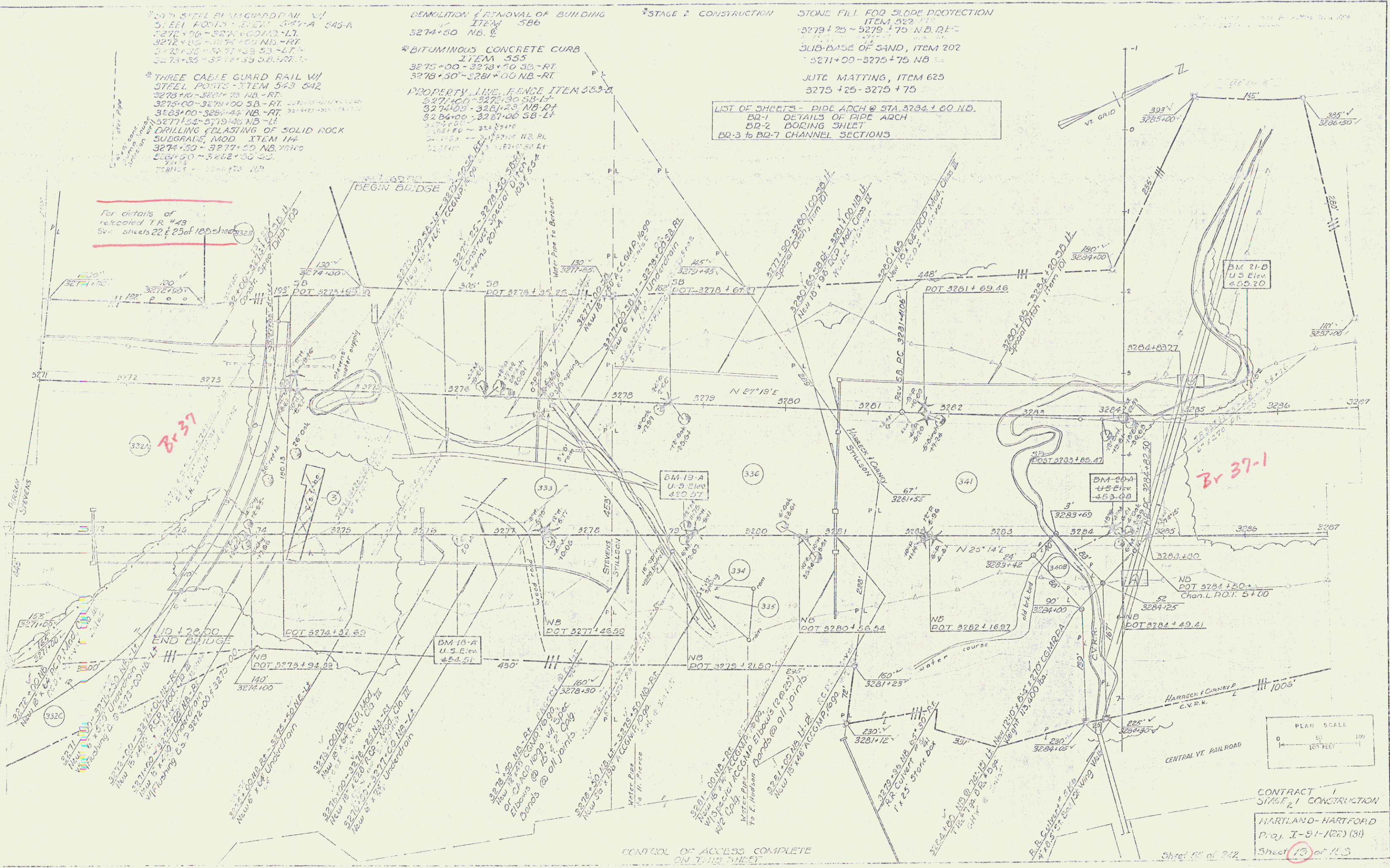


NB
 $\Delta 6^\circ 37' 25''$ LT
D 0' 30"
R 11459.16
T 663.10
L 1824.72
E 19.17'
Bnk 1/2" per ft

BM 17-A
U.S. Elev
4.62.11

CONTRACT 1
STAGE 2 CONSTRUCTION
HARTLAND-HARTFORD
Proj. I-91-1122 (31)
Sheet 25 of 103

Relocated
T-43



DEMOLITION & REMOVAL OF BUILDING ITEM 586
 3274+50 NB, 5

*BITUMINOUS CONCRETE CURB ITEM 555
 3275+00-3276+00 SB-RT
 3276+30-3281+00 NB-RT

PROPERTY LINE, FENCE ITEM 553-Z
 3274+00-3275+30 SB-LT
 3274+00-3275+30 NB-RT
 3274+00-3275+30 SB-LT
 3274+00-3275+30 NB-RT

*STAGE 2 CONSTRUCTION

STONE FILL FOR SLOPE PROTECTION ITEM 522

3279+75-3279+75 NB, RT

SUB-BASE OF SAND, ITEM 202

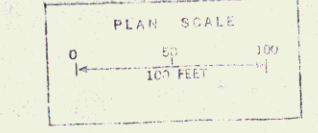
3271+00-3275+75 NB

JUTE MATTING, ITEM 625

3275+25-3275+75

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

For details of relocated TR #43 See sheets 22 & 23 of 180 sheet 3228



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

CONTROL OF ACCESS COMPLETE ON THIS SHEET

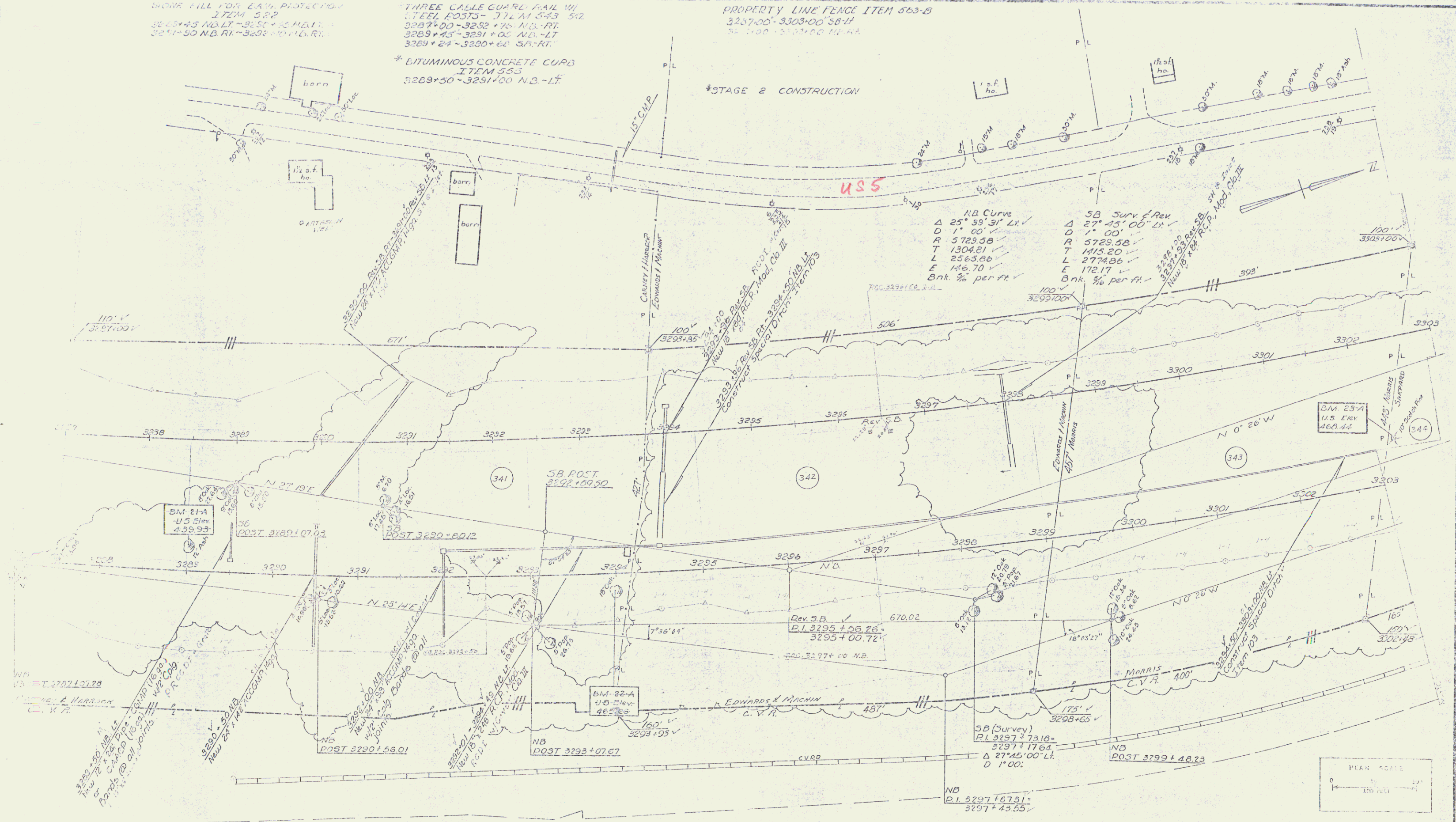
STONE FILL FOR E.A.W. PROTECTION
ITEM 522
3284+45 NB LT - 3285+45 NB LT
3291+90 NB RT - 3292+90 NB RT

THREE CABLE GUARD RAIL W/
TREE 20370 - 771 M 343 542
3287+00 - 3288+75 NB - RT
3289+45 - 3291+00 NB - LT
3289+24 - 3290+60 SB - RT

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

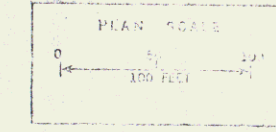
* BITUMINOUS CONCRETE CURB
ITEM 553
3289+50 - 3291+00 NB - LT

* STAGE 2 CONSTRUCTION



NB Curve		SB Curve	
Δ	25° 55' 31" Lt.	Δ	27° 25' 00" Lt.
D	1' 00"	D	1' 00"
R	5729.58	R	5729.58
T	1304.81	T	1115.20
L	2563.86	L	2774.96
E	146.70	E	172.17
Bnk 3% per ft.		Bnk 3% per ft.	

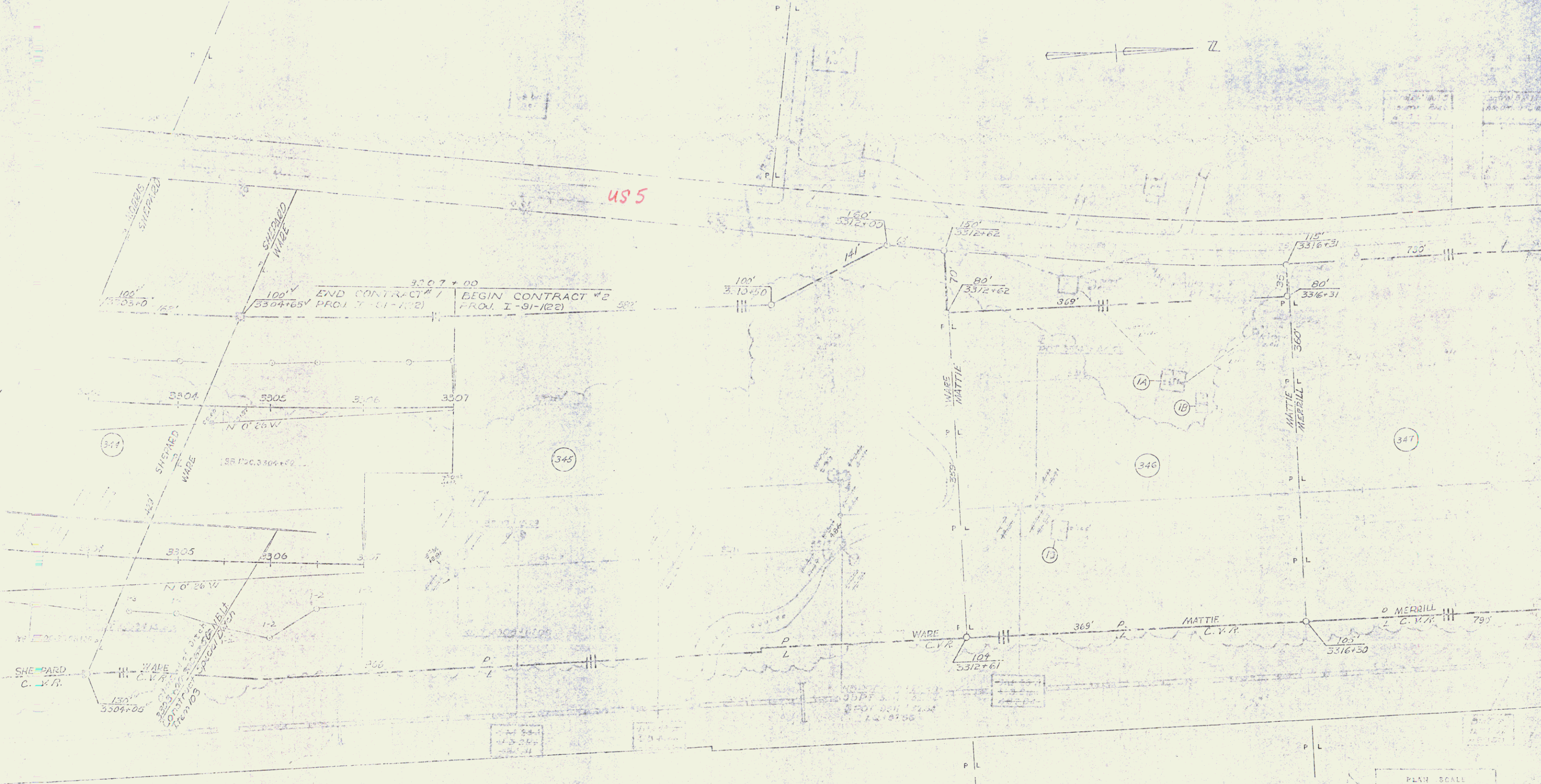
W.P.
V.S. = 120210728
HARRISON
C.V.P.



CONTROL OF ACCESS COMPLETE
ON THIS SHEET

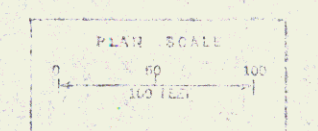
CONTRACT 1
STAGE 1 CONSTRUCTION
HARTLAND-HARTFORD
Proj. I-91-122(01)
Sheet 20 of 128
Sheet 57 of 212

THREE CABLE GUARD RAIL PROPERTY LINE FENCE WITH 50' WIDE
 WIRE POSTS 1" DIA. 3" HIGH 3304+00 3307+00 3310+00 3313+00
 3304+58 3307+00 3310+00 3313+00
 * STAGE 2 CONSTRUCTION



POOR ORIGINAL COPY

CONTROL OF ACCESS COMPLETE ON THIS SHEET

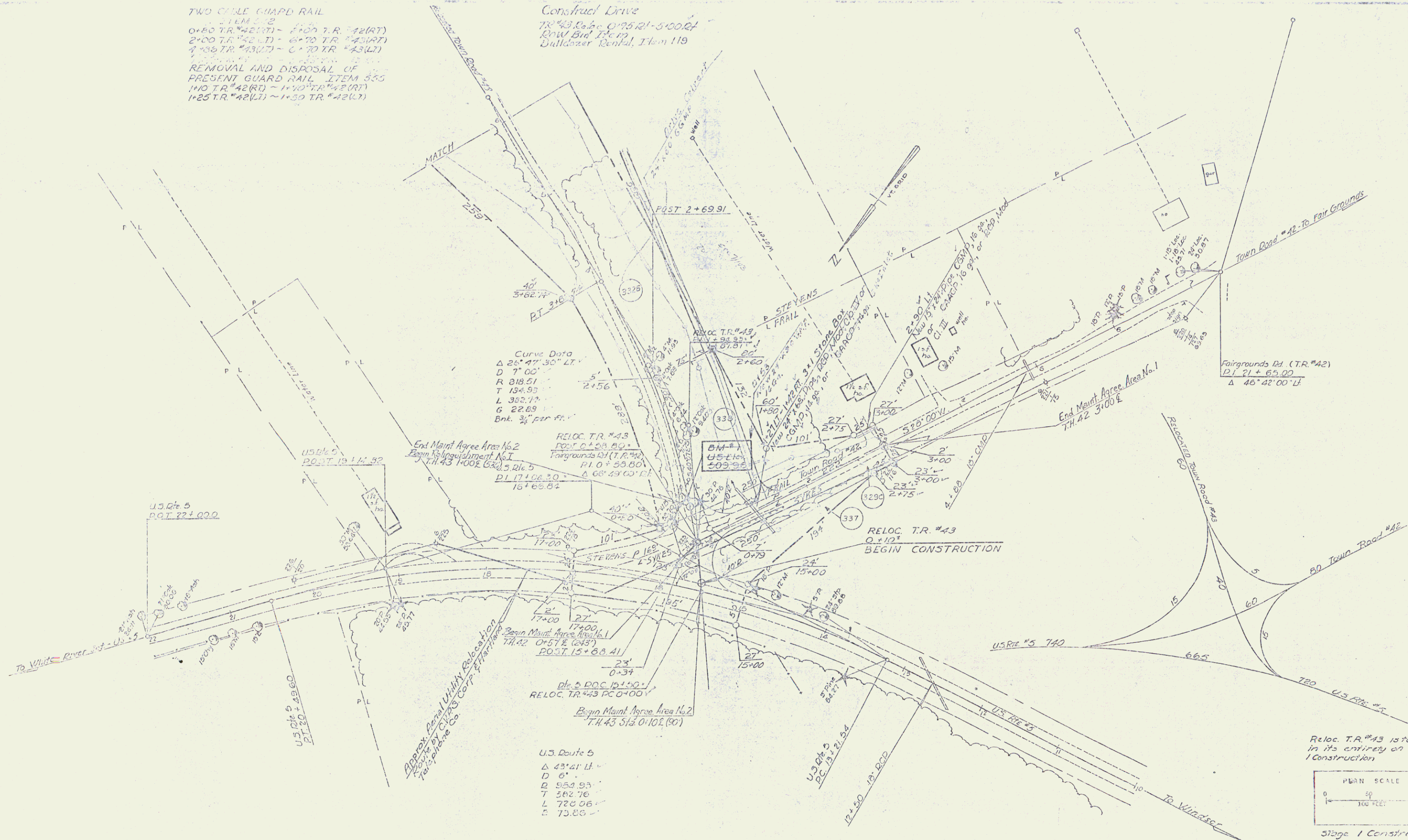


Stage 2 Construction
 CONTRACT #1
 STAGE 1 CONSTRUCTION
 HARTLAND-HARTFORD
 Proj. I-91 (32) (31)
 Sheet 21 of 108
 Sheet 21 of 122

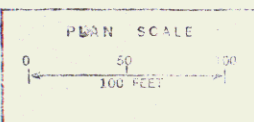
TWO CABLE GUARD RAIL
 111M 512
 0+00 TR #42(RT) - 1+00 TR #42(RT)
 2+00 TR #42(LT) - 3+70 TR #43(RT)
 4+38 TR #43(LT) - 5+70 TR #43(LT)

REMOVAL AND DISPOSAL OF
 PRESENT GUARD RAIL ITEM 533
 1+00 TR #42(RT) - 1+40 TR #42(RT)
 1+25 TR #42(LT) - 1+50 TR #42(LT)

Construct Drive
 TR #43 B.S. 0+95.21-5+00.24
 ROW Bid Item
 Bulldozer Rental, Item 119



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



Stage 1 Construction

Town Road #43

HARTLAND - HARTFORD

Sheet 22 of 153

① N.B. Curve
 Δ 23° 59' 31" Lt
 D 1' 00' 00"
 R 5729.58
 T 1304.61
 L 2365.06
 E 146.58
 Bnk. 3/4 per ft

② S.B. Curve
 Δ 27° 43' 00" Lt
 D 1' 00' 00"
 R 5729.58
 T 1415.20
 L 2774.66
 E 172.17
 Bnk. 3/4 per ft

③ N.B. Curve
 Δ 5° 0' 12" Lt
 D 0' 30' 00"
 R 11433.16
 T 502.32
 L 11007.00
 E 11.00
 Bnk. 1/4 per ft

④ S.B. Curve
 Δ 9° 53' 40" Lt
 D 1' 00' 00"
 R 25729.38
 T 495.86
 L 989.45
 E 2146
 Bnk. 3/4 per ft

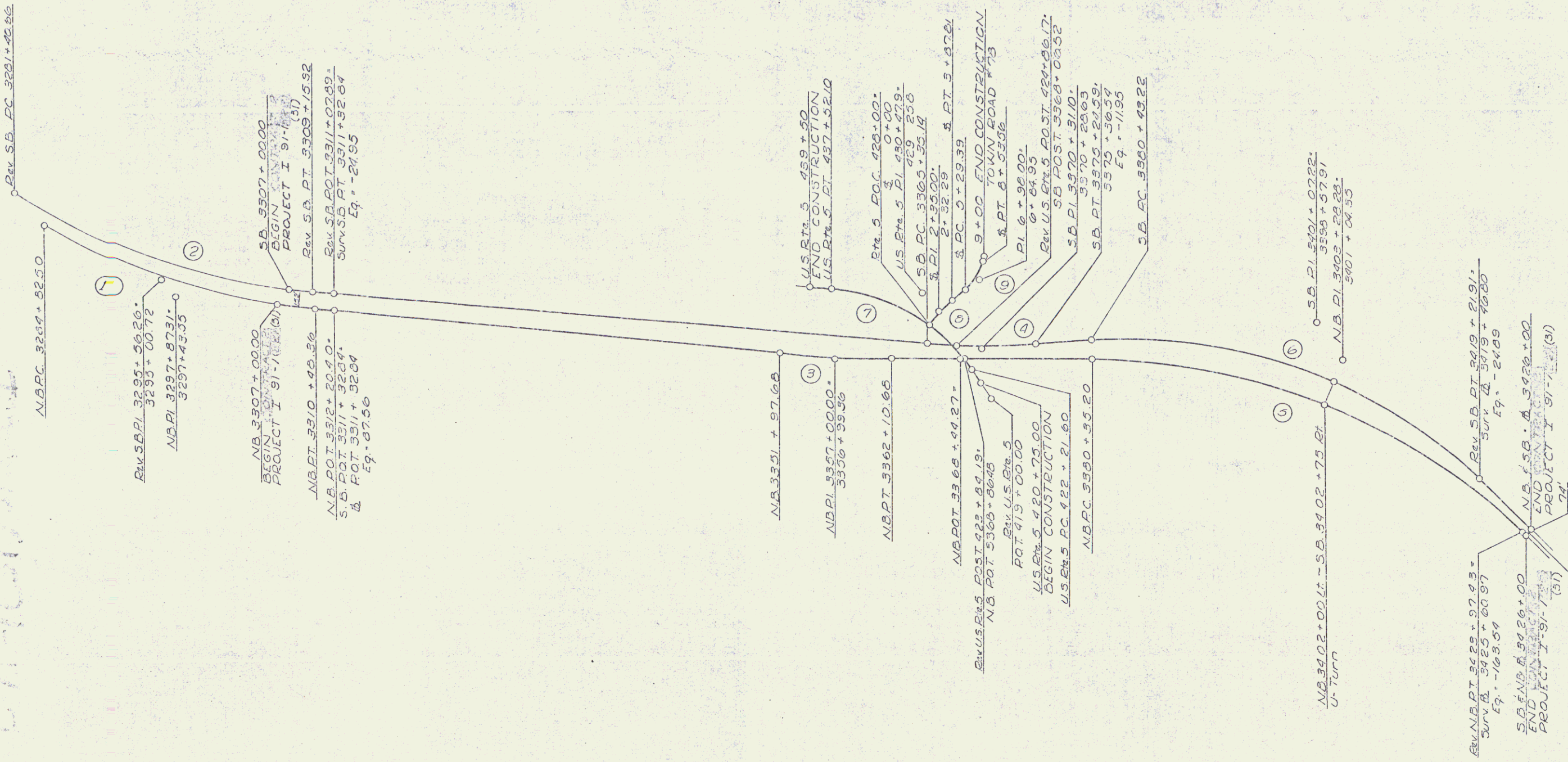
⑤ N.B. Curve
 Δ 43° 57' 00" Rt
 D 1' 00' 00"
 R 5729.58
 T 2295.03
 L 4562.23
 E 241.52
 Bnk. 3/4 per ft

⑥ S.B. Curve
 Δ 40° 25' 01" Rt
 D 1' 00' 00"
 R 4533.66
 T 2064.00
 L 3678.69
 E 443.27
 Bnk. 3/4 per ft

⑦ U.S. Rt. 5 Curve
 Δ 53° 34' 00" Lt
 D 3' 30' 00"
 R 14571.02
 T 2264.32
 L 11304.43
 E 196.73
 Bnk. 1/4 per ft

⑧ T.D. #78 Curve
 Δ 18° 30' 00" Rt
 D 6' 00' 00"
 R 9549.93
 T 155.52
 L 308.53
 E 12.30
 Bnk. 1/4 per ft

⑨ T.D. #78 Curve
 Δ 58° 34' 00" Lt
 D 12' 00' 00"
 R 4774.7
 T 168.61
 L 324.17
 E 28.90
 Bnk. 3/4 per ft



57-160-100-1

Stage 2 Construction
 HARTLAND-HARTFORD
 I 91-11 (31)
 Jan. 83 Scale 1"=500'
 Sheet 3 of 222

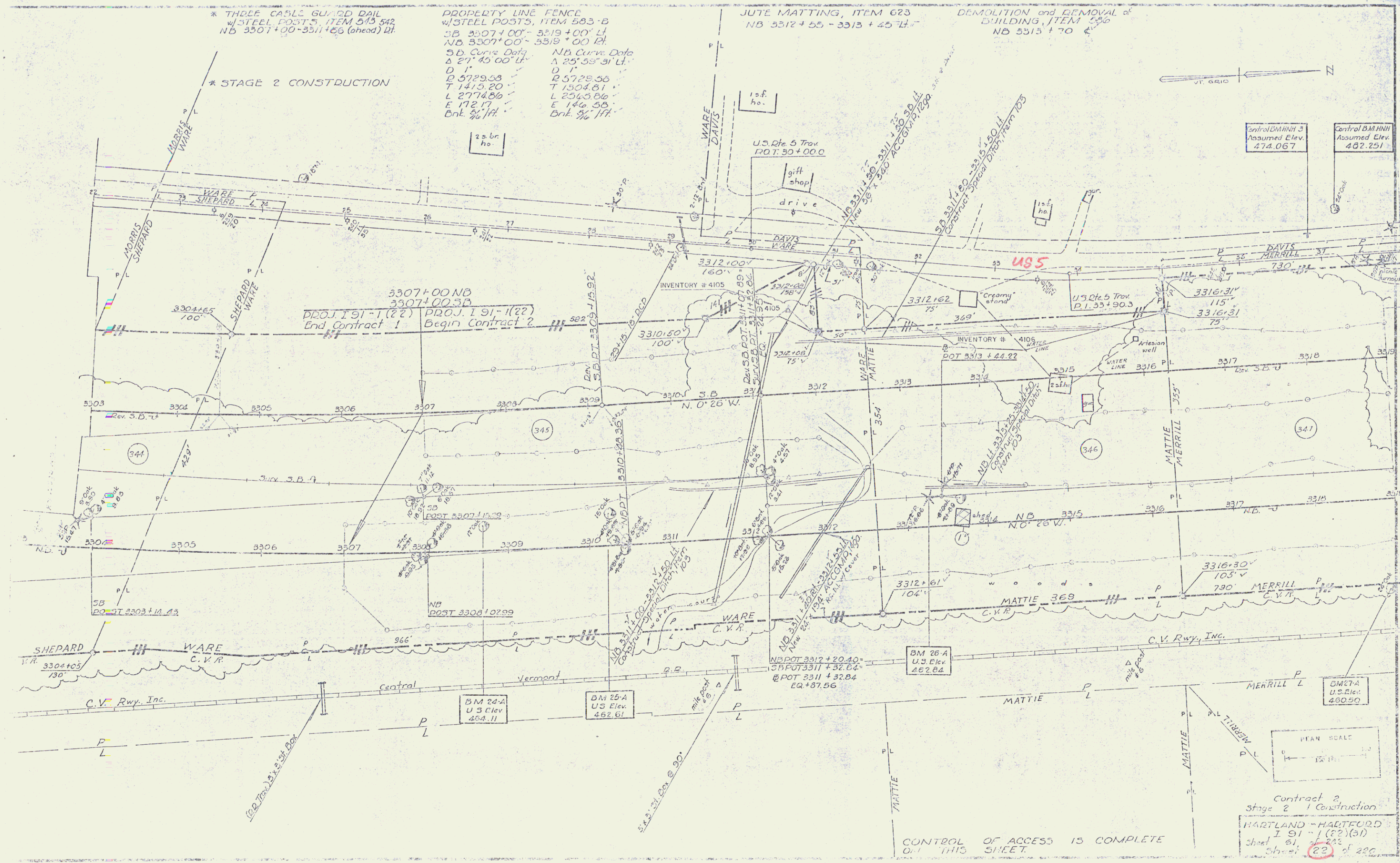
* THREE CASTLE GUARD RAIL
w/STEEL POSTS, ITEM 543-542
NB 3307+00-3311+66 (ahead) DI

* STAGE 2 CONSTRUCTION

PROPERTY LINE FENCE
w/STEEL POSTS, ITEM 583-B
SB 3307+00'- 3319+00' L
NB 3307+00'- 3319+00' R
S.D. Curve Data NB Curve Data
Δ 27° 45' 00" L Δ 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
Cmt. 3/4" Cmt. 3/4"

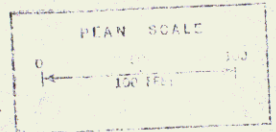
JUTE MATTING, ITEM 623
NB 3312+55- 3313+45 L

DEMOLITION and REMOVAL of
BUILDING, ITEM 556
NB 3313+70



Central BM#113
Assumed Elev.
474.067

Central BM#114
Assumed Elev.
462.251



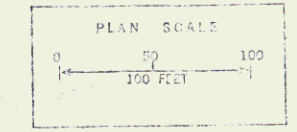
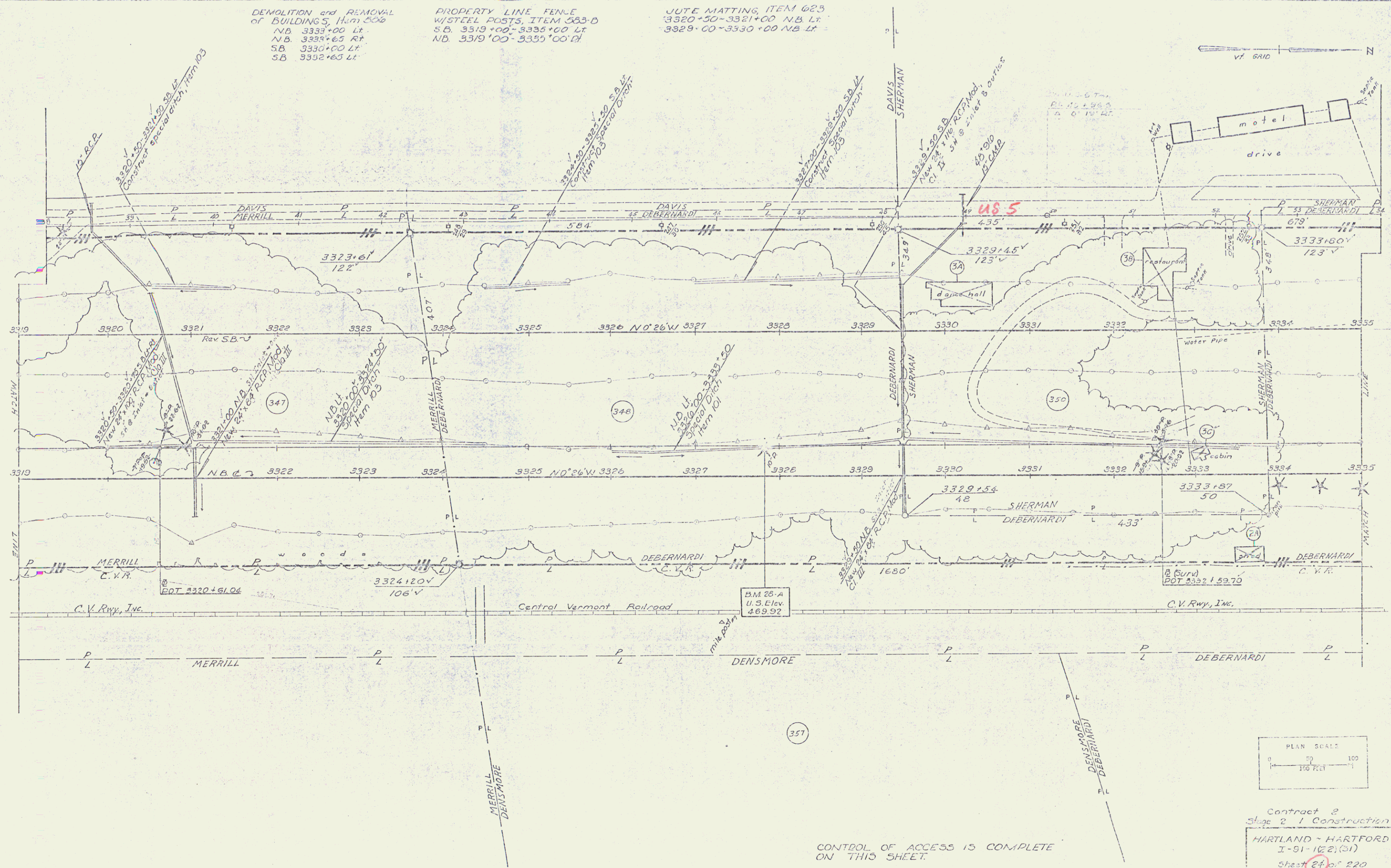
Contract 2
Stage 2 Construction
HARTLAND - HARTFORD
I 91-1(22)(31)
Sheet 61 of 222
Sheet 22 of 222

CONTROL OF ACCESS IS COMPLETE
0-1 THIS SHEET.

DEMOLITION and REMOVAL
of BUILDINGS, Item 506
N.B. 3333+00 LT.
N.B. 3333+65 RT.
S.B. 3330+00 LT.
S.B. 3332+63 LT.

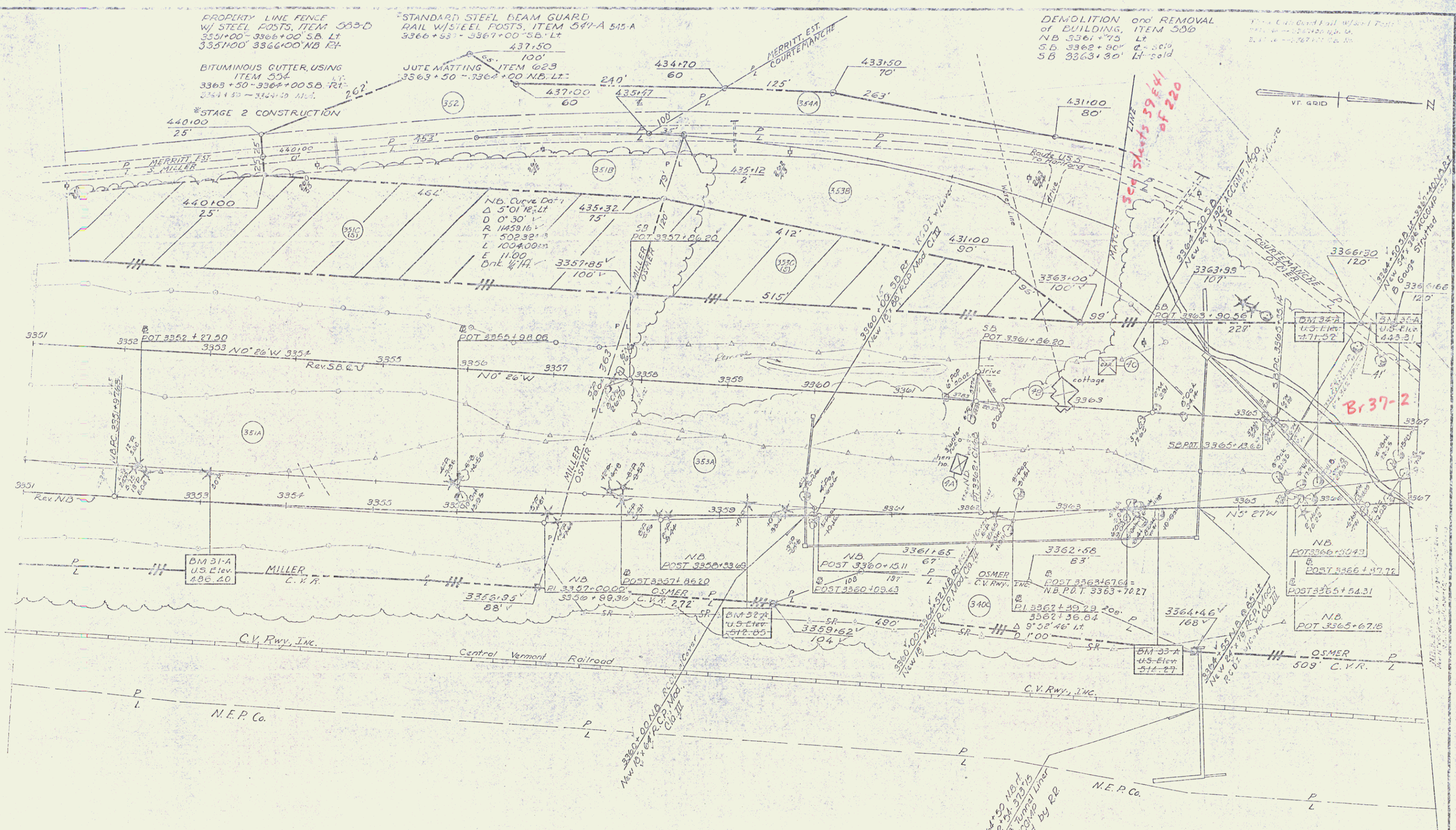
PROPERTY LINE FENCE
W/STEEL POSTS, ITEM 533-D
S.B. 3319+00'-3335+00' LT.
N.B. 3319+00'-3335+00' RT.

JUTE MATTING, ITEM 623
3320+50-3321+00 N.B. LT.
3329+00-3330+00 N.B. LT.

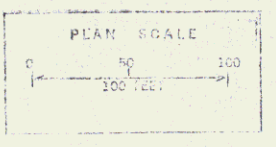


Contract 2
Stage 2 Construction
HARTLAND - HARTFORD
I-91-162(21)
Sheet 24 of 220
Sheet 63 of 222

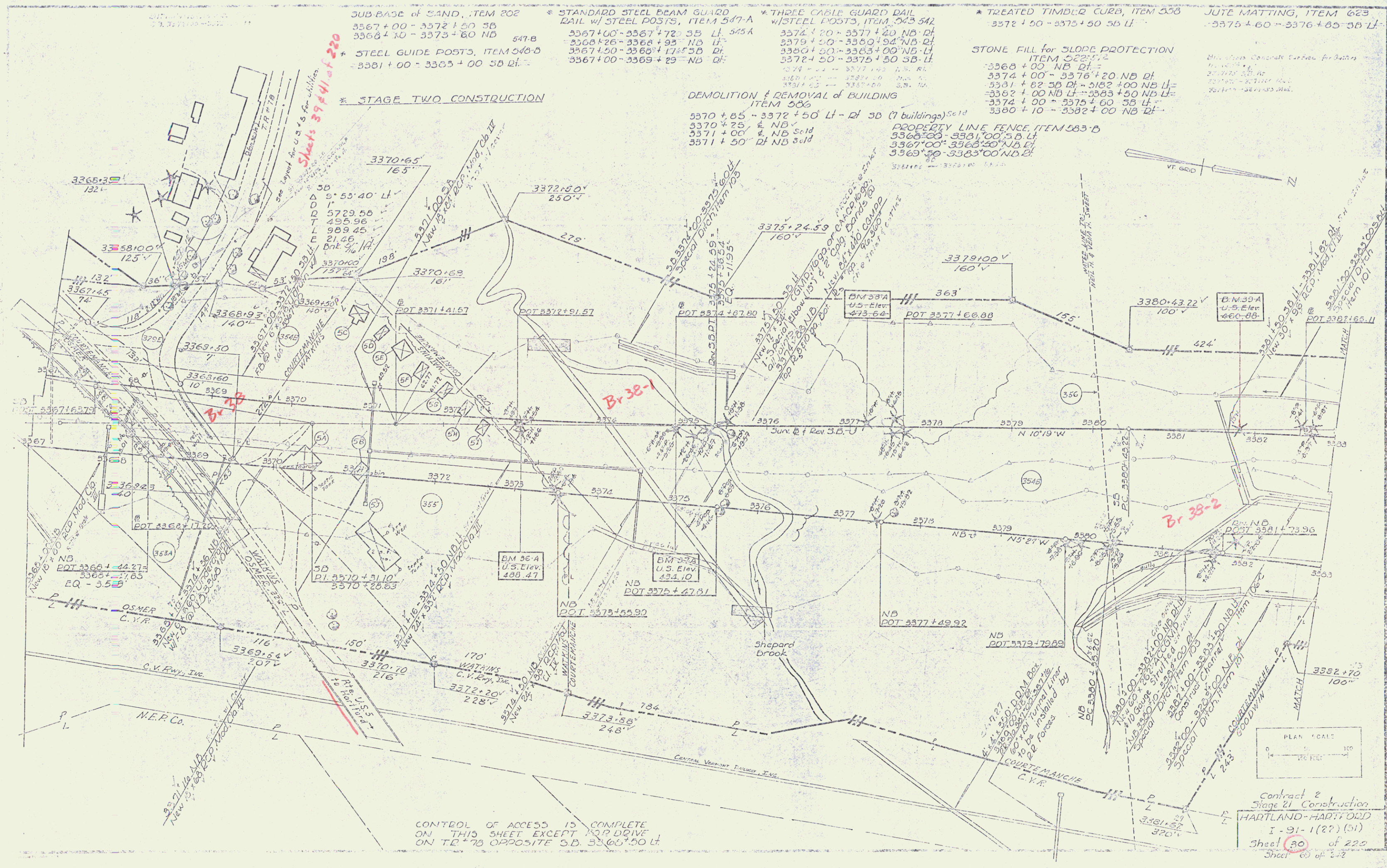
CONTROL OF ACCESS IS COMPLETE
ON THIS SHEET.



CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.



Contract 2
 Stage 2 Construction
 HARTLAND - HARTFORD
 I-91-102(3)
 Sheet 25 of 220
 Sheet 67 of 712



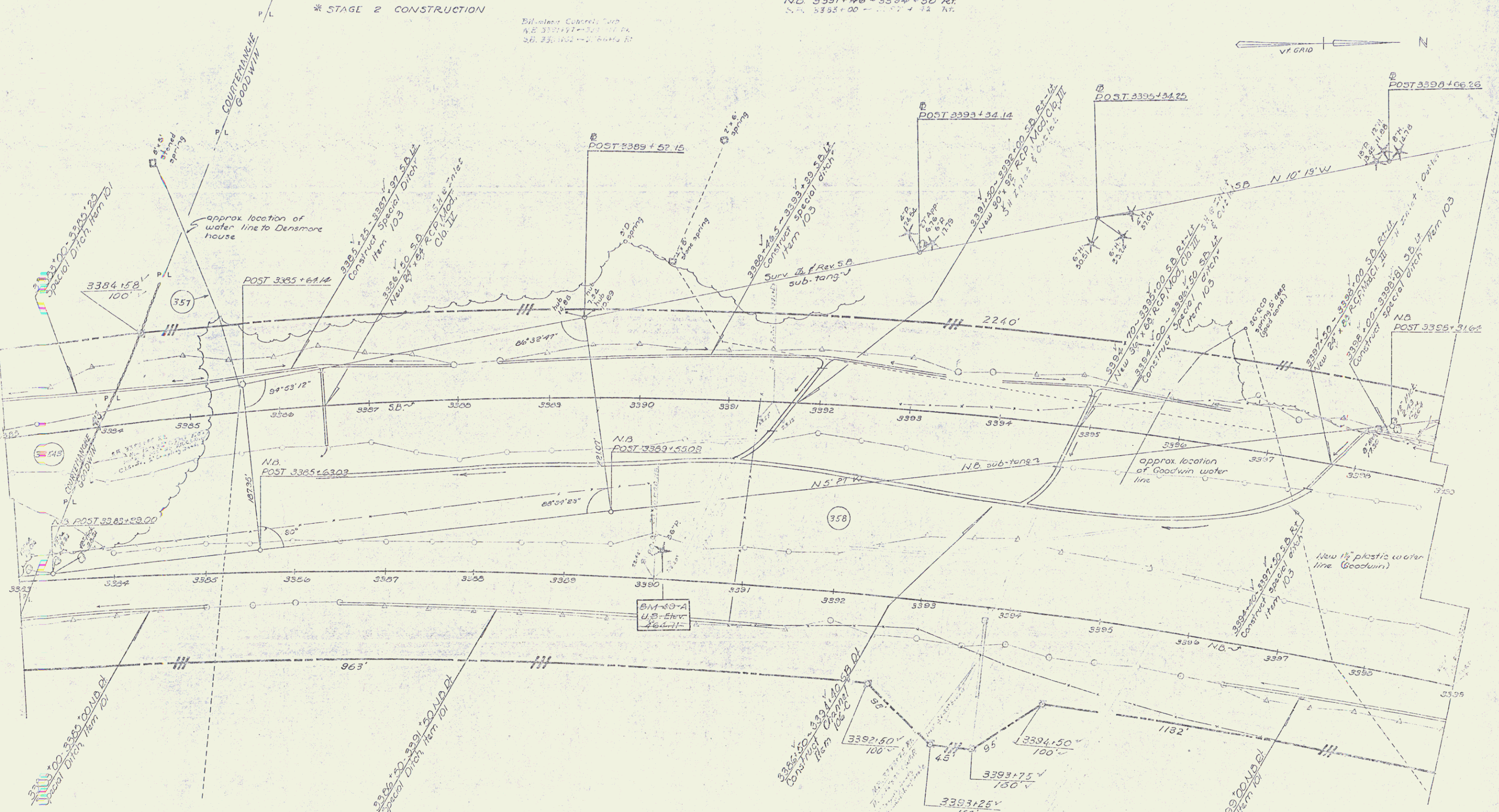
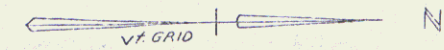
* STEEL GUIDE POSTS
ITEM 545-D 547-B
S.D. 3353+00-3367+40 R/L
* STAGE 2 CONSTRUCTION

DRILLING and BLASTING of
SOLID ROCK ITEM 114
S.B. 3363+00-3382+80 L/R

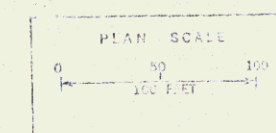
* THREE CABLE GUARD RAIL
w/ STEEL POSTS ITEM 543 542
N.B. 3383+00-3384+50 L/R
N.B. 3391+46-3394+50 R/L
S.B. 3395+00-3397+44 L/R

PROPERTY LINE FENCE ITEM 503-B
N.B. 3383+00 R/L - 3399+00 L/R
S.B. 3383+00 R/L - 3393+00 L/R

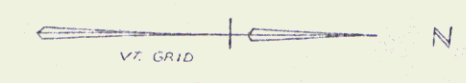
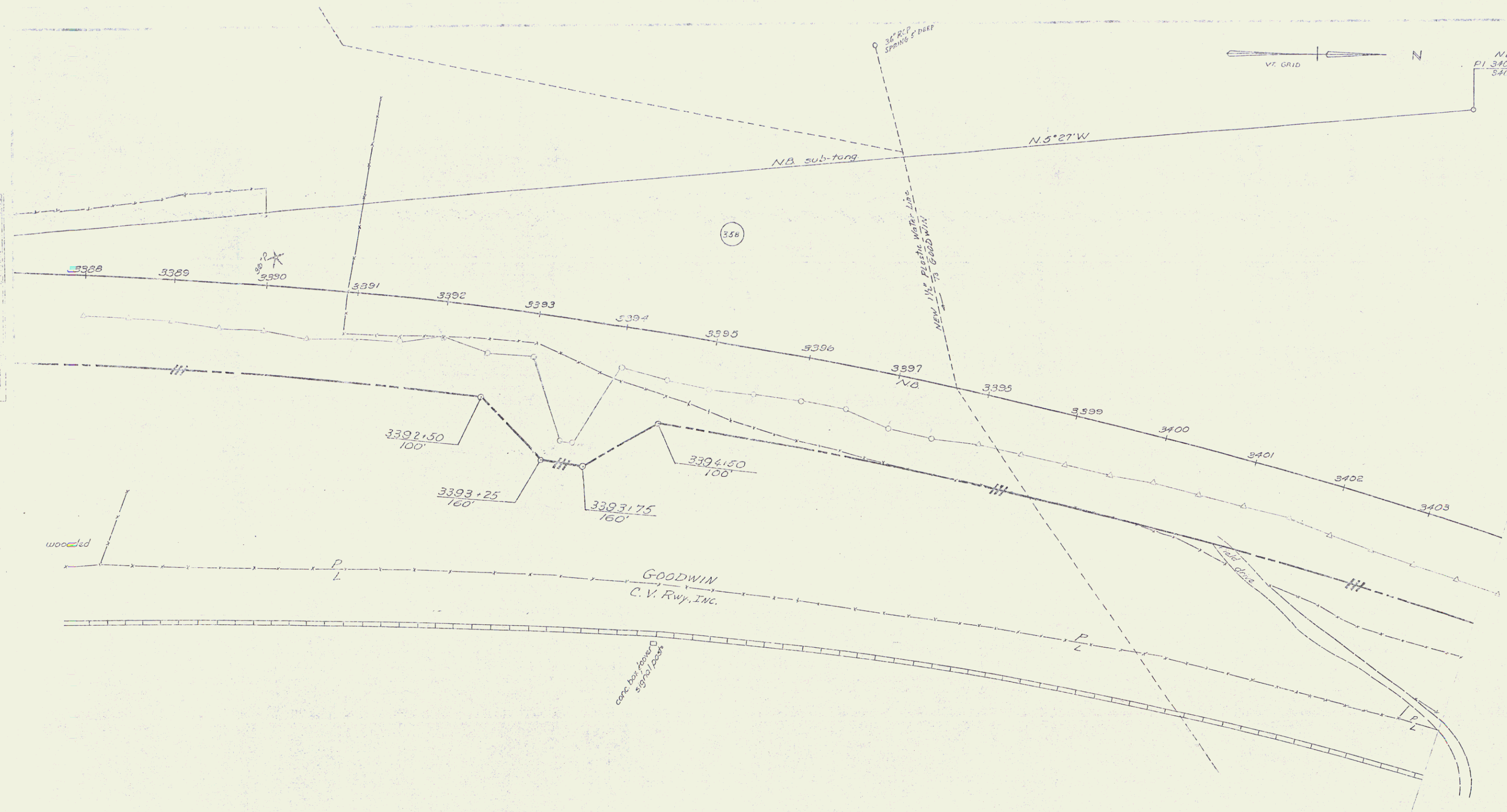
Billboard Concrete Top
4.8' 3391+71-3392+14 R/L
2.8' 3391+71-3392+14 R/L



CONTROL OF ACCESS IS COMPLETE
ON THIS SHEET



Contract 2
Stage 2 Construction
HARTLAND-HARTFORD
I-91-1(22)(31)
Sheet 52 of 52
Sheet 71 of 72



N.B.
 P.I. 3403 + 28.25'
 3401 + 04.35'
 04.76'

N.B. sub-tang

N.5°27'W

36" RCP
 SPRINGS & DEEP

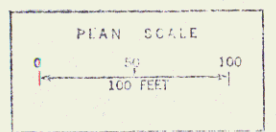
NEW 1/2" PLYM. WARE L.I.N.
 TO GOODWIN

(356)

wooded

GOODWIN
 C. V. Rwy. INC.

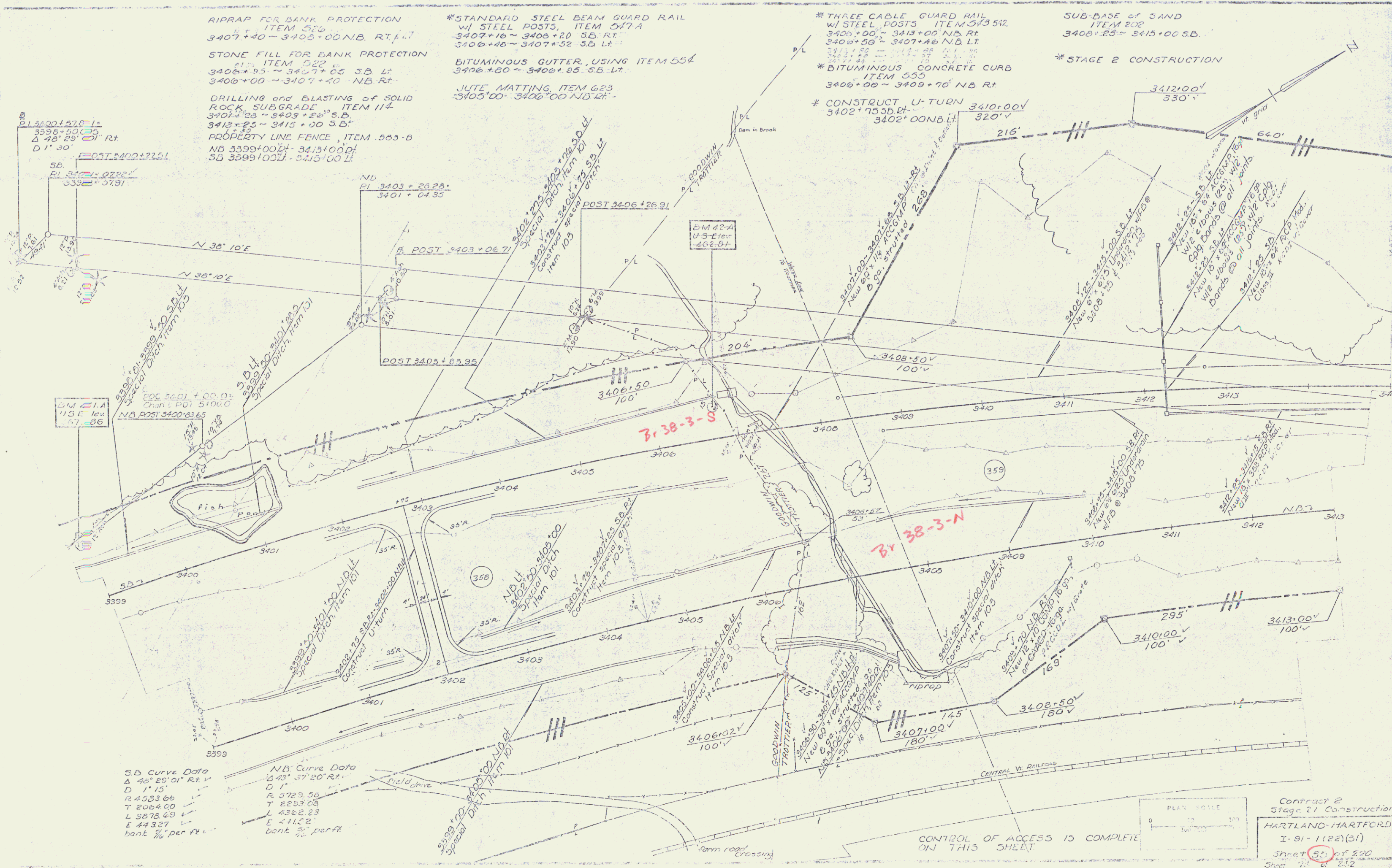
concrete tower
 signal post



CONTROL OF ACCESS IS COMPLETE
 ON THIS SHEET.

Contract 2
 Stage 21 Construction
 HARTLAND-HARTFORD
 I-91-1(22) (31)
 Sheet 35 of 220
 Sheet 72 of 242

24



RIPRAP FOR BANK PROTECTION
ITEM 520
3407+40 ~ 3408+00 NB. RT.

STONE FILL FOR BANK PROTECTION
ITEM 522
3406+95 ~ 3407+05 S.B. LT.
3406+00 ~ 3407+10 NB. RT.

DRILLING and BLASTING of SOLID
ROCK SUBGRADE ITEM 114
3407+25 ~ 3408+25 S.B.
3412+25 ~ 3413+00 S.B.
PROPERTY LINE FENCE ITEM 503-B
NB 3399+00 LT - 3413+00 RT
SB 3399+00 LT - 3413+00 LT

*STANDARD STEEL BEAM GUARD RAIL
w/ STEEL POSTS, ITEM 517-A
3407+10 ~ 3408+20 S.B. RT.
3406+40 ~ 3407+52 S.B. LT.

BITUMINOUS GUTTER, USING ITEM 554
3406+20 ~ 3406+85 S.B. LT.

JUTE MATTING, ITEM 623
3405+00 ~ 3406+00 NB. LT.

*THREE CABLE GUARD RAIL
w/ STEEL POSTS ITEM 513-512
3406+00 ~ 3413+00 NB. RT.
3406+50 ~ 3407+46 NB. LT.

*BITUMINOUS CONCRETE CURB
ITEM 555
3406+00 ~ 3409+70 NB. RT.

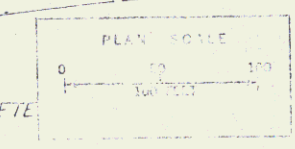
*CONSTRUCT U-TURN 3410+00V
3402+75 S.B. LT.
3402+00 NB. LT.

SUB-BASE of SAND
ITEM 202
3408+25 ~ 3413+00 S.B.

*STAGE 2 CONSTRUCTION

S.B. Curve Data
Δ 76° 25' 01" Rt.
D 1' 15"
R 4583.66
T 2064.00
L 3978.69
E 443.87
bank 2" per ft.

N.B. Curve Data
Δ 73° 37' 20" Rt.
D 1'
R 3729.50
T 2293.03
L 4362.23
E 411.52
bank 2" per ft.



CONTROL OF ACCESS IS COMPLETE
ON THIS SHEET

Contract 2
Stage 21 Construction
HARTLAND-HARTFORD
I-91-1(22)(31)
Sheet 51 of 220
Sheet 11 of 212

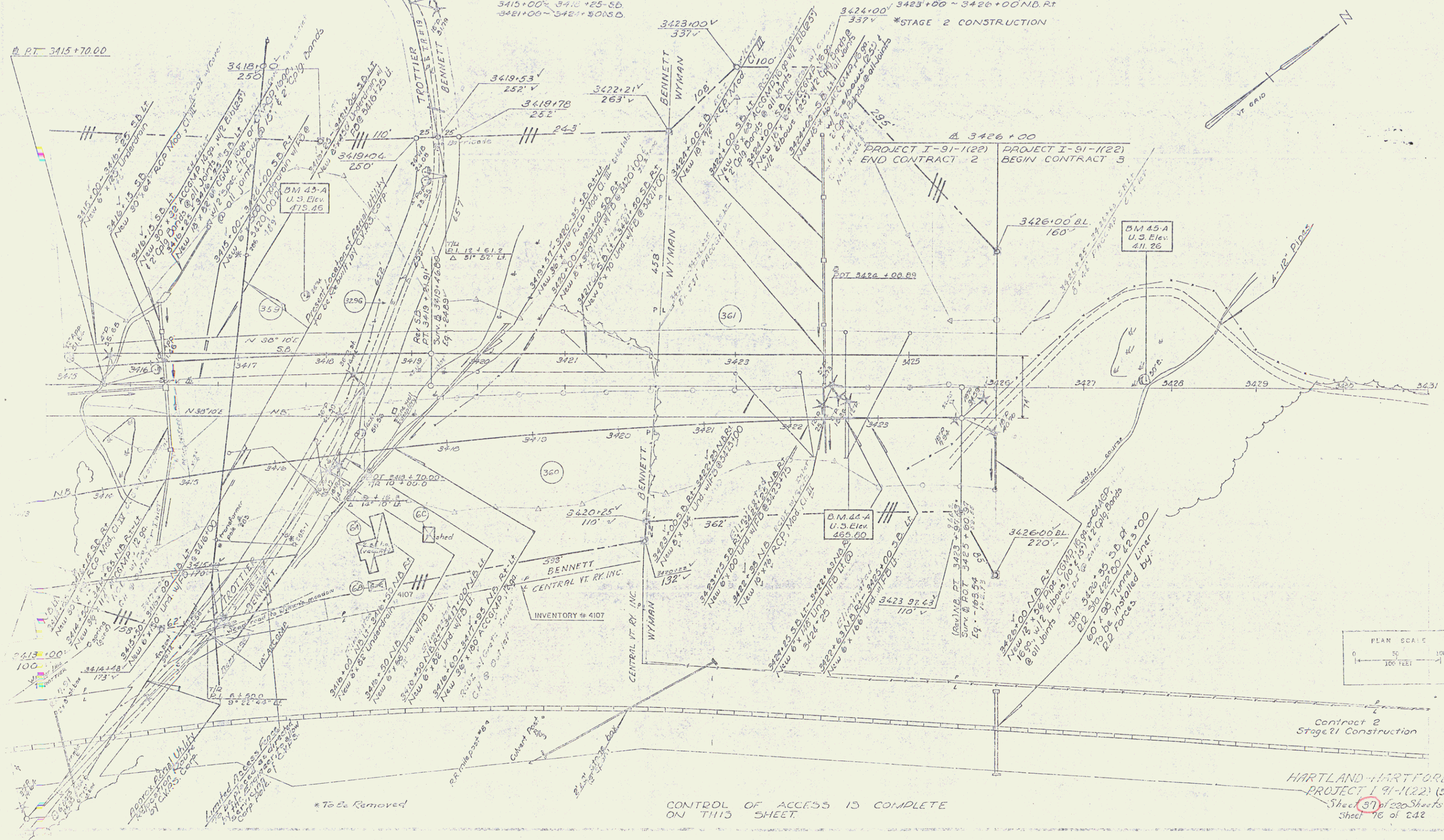
PROPERTY LINE - FENCE ITEM 583-B
NB 3415+00 LT - 3426+00 RT
SB 3415+00 LT - 3426+00 RT

STONE FILL FOR SLOPE PROTECTION ITEM 522
3416+10 - 3416+30 SB LT.
DRILLING and BLASTING OF SOLID ROCK SUBGRADE ITEM 111
3415+00 - 3416+25 SB
3421+00 - 3421+50 SB.

*THREE CABLE GUARD RAIL w/ STEEL POSTS ITEM 543 542
3415+00 - 3417+12 NB RT
3421+48 - 3426+00 NB RT
3413+00 - 3414+00 NB RT

SUB-BASE OF SAND ITEM 202
3415+00 - 3421+50 SB
3415+50 - 3417+00 NB RT
*BITUMINOUS CONCRETE CURB ITEM 500
3423+00 - 3426+00 NB RT
*STAGE 2 CONSTRUCTION

DEMOLITION and REMOVAL of BUILDING ITEM 586
3417+00' N.E. Rt - 2 Bldgs.
3417+70' N.E. Rt

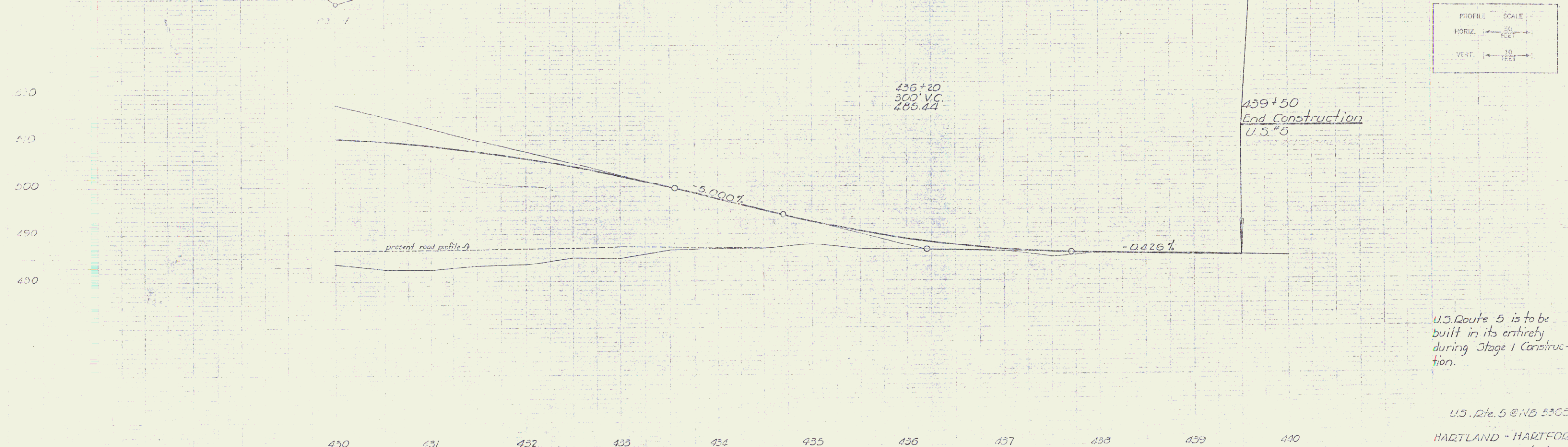
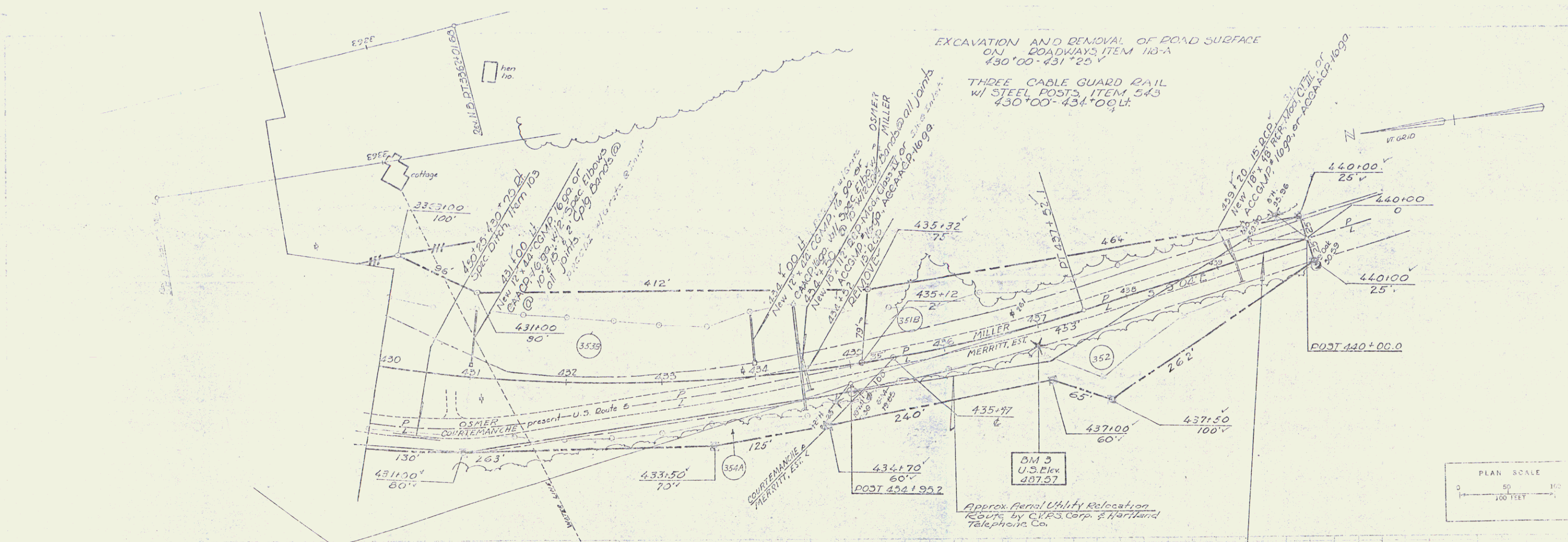


CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

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



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



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 220

INDEX OF SHEETS

SHEET NO.	TITLE PAGE
1	General Sheet
2	Illustration Typical Cross-Section of Improvement (17' B.L. Conc. P. Mt. Type 17-1)
3	Quantity Sheet - (Iron)
4	Plan Detail and Analysis Sheet
5	Construction Sheet
6	R.O.W. Detail Sheet
7-27	Plan and Profile
28	60' Plan and Elevation - 80' Curb to Pole and Pole
29	60' 2' - General Notes, Reinforced Steel Detail, etc.
30	60' 3' - Retaining Schedule
31-33	60' 4' - General Sections
34	60' 5' - Drilling and Blasting of Slopes - Program
35	60' 6' - Mining Tables
36	60' 7' - Typical Slope Facing
37	60' 8' - Mud Excavation
38	60' 9' - Roadside and Overcross
39	60' 10' - Setbacks
40	60' 11' - Pipe Clooms, Flushing Basins and Local Twp Sections
41	60' 12' - Reinforced Concrete Ramp Interchange
42	60' 13' - Inlet Top
43	60' 14' - Cast Iron Grates, Type A
44	60' 15' - Inlet Truss Installation
45	60' 16' - Precast Rein. Conc. Curb R.I. - Test Iron Water Type 17-1
46	60' 17' - Barricades, Signs and Lights (General)
47	60' 18' - Construction Joint Section, Sign
48	60' 19' - Property Line Fence
49	60' 20' - The Stone Spire Wall
50	60' 21' - Vertical Signs
51	60' 22' - Marker Posts
52	Blank
53	J.I. - Boundary Markers
54	Blank
55	Blank
56	55-70 No. 1 - Details of Round Flashing
57	55-70 No. 2 - Details of Round Flashing
58	60' 23' - 49
59	Blank
60	Blank
61-63	Cross Sections, Interstate R.S. and R.C.
64-66	Cross Sections, New Highway No. 11, 12, 13, 14, 15
67-69	Cross Sections, Channel at 500' 00"
70-72	Cross Sections, Channel at 500' 00"
73-75	Cross Sections, Channel at 500' 00"
76-78	Cross Sections, Channel at 500' 00"
79-81	Blank
82-84	Cross Sections, Channel at 500' 00"
85-87	Cross Sections, Channel at 500' 00"
88-90	Blank
91-93	Cross Sections, Channel at 500' 00"
94-96	Cross Sections, Channel at 500' 00"
97-99	Blank
100-102	Cross Sections, Channel at 500' 00"
103-105	Blank
106-108	Cross Sections, Channel at 500' 00"
109-111	Blank
112-114	Cross Sections, Channel at 500' 00"
115-117	Blank
118-120	Cross Sections, Channel at 500' 00"
121-123	Blank
124-126	Cross Sections, Channel at 500' 00"
127-129	Blank
130-132	Cross Sections, Channel at 500' 00"
133-135	Blank
136-138	Cross Sections, Channel at 500' 00"
139-141	Blank
142-144	Cross Sections, Channel at 500' 00"
145-147	Blank
148-150	Cross Sections, Channel at 500' 00"
151-153	Blank
154-156	Cross Sections, Channel at 500' 00"
157-159	Blank
160-162	Cross Sections, Channel at 500' 00"
163-165	Blank
166-168	Cross Sections, Channel at 500' 00"
169-171	Blank
172-174	Cross Sections, Channel at 500' 00"
175-177	Blank
178-180	Cross Sections, Channel at 500' 00"
181-183	Blank
184-186	Cross Sections, Channel at 500' 00"
187-189	Blank
190-192	Cross Sections, Channel at 500' 00"
193-195	Blank
196-198	Cross Sections, Channel at 500' 00"
199-201	Blank
202-204	Cross Sections, Channel at 500' 00"
205-207	Blank
208-210	Cross Sections, Channel at 500' 00"
211-213	Blank
214-216	Cross Sections, Channel at 500' 00"
217-219	Blank
220-222	Cross Sections, Channel at 500' 00"
223-225	Blank
226-228	Cross Sections, Channel at 500' 00"
229-231	Blank
232-234	Cross Sections, Channel at 500' 00"
235-237	Blank
238-240	Cross Sections, Channel at 500' 00"
241-243	Blank
244-246	Cross Sections, Channel at 500' 00"
247-249	Blank
250-252	Cross Sections, Channel at 500' 00"
253-255	Blank
256-258	Cross Sections, Channel at 500' 00"
259-261	Blank
262-264	Cross Sections, Channel at 500' 00"
265-267	Blank
268-270	Cross Sections, Channel at 500' 00"
271-273	Blank
274-276	Cross Sections, Channel at 500' 00"
277-279	Blank
280-282	Cross Sections, Channel at 500' 00"
283-285	Blank
286-288	Cross Sections, Channel at 500' 00"
289-291	Blank
292-294	Cross Sections, Channel at 500' 00"
295-297	Blank
298-300	Cross Sections, Channel at 500' 00"
301-303	Blank
304-306	Cross Sections, Channel at 500' 00"
307-309	Blank
310-312	Cross Sections, Channel at 500' 00"
313-315	Blank
316-318	Cross Sections, Channel at 500' 00"
319-321	Blank
322-324	Cross Sections, Channel at 500' 00"
325-327	Blank
328-330	Cross Sections, Channel at 500' 00"
331-333	Blank
334-336	Cross Sections, Channel at 500' 00"
337-339	Blank
340-342	Cross Sections, Channel at 500' 00"
343-345	Blank
346-348	Cross Sections, Channel at 500' 00"
349-351	Blank
352-354	Cross Sections, Channel at 500' 00"
355-357	Blank
358-360	Cross Sections, Channel at 500' 00"
361-363	Blank
364-366	Cross Sections, Channel at 500' 00"
367-369	Blank
370-372	Cross Sections, Channel at 500' 00"
373-375	Blank
376-378	Cross Sections, Channel at 500' 00"
379-381	Blank
382-384	Cross Sections, Channel at 500' 00"
385-387	Blank
388-390	Cross Sections, Channel at 500' 00"
391-393	Blank
394-396	Cross Sections, Channel at 500' 00"
397-399	Blank
400-402	Cross Sections, Channel at 500' 00"
403-405	Blank
406-408	Cross Sections, Channel at 500' 00"
409-411	Blank
412-414	Cross Sections, Channel at 500' 00"
415-417	Blank
418-420	Cross Sections, Channel at 500' 00"
421-423	Blank
424-426	Cross Sections, Channel at 500' 00"
427-429	Blank
430-432	Cross Sections, Channel at 500' 00"
433-435	Blank
436-438	Cross Sections, Channel at 500' 00"
439-441	Blank
442-444	Cross Sections, Channel at 500' 00"
445-447	Blank
448-450	Cross Sections, Channel at 500' 00"
451-453	Blank
454-456	Cross Sections, Channel at 500' 00"
457-459	Blank
460-462	Cross Sections, Channel at 500' 00"
463-465	Blank
466-468	Cross Sections, Channel at 500' 00"
469-471	Blank
472-474	Cross Sections, Channel at 500' 00"
475-477	Blank
478-480	Cross Sections, Channel at 500' 00"
481-483	Blank
484-486	Cross Sections, Channel at 500' 00"
487-489	Blank
490-492	Cross Sections, Channel at 500' 00"
493-495	Blank
496-498	Cross Sections, Channel at 500' 00"
499-501	Blank
502-504	Cross Sections, Channel at 500' 00"
505-507	Blank
508-510	Cross Sections, Channel at 500' 00"
511-513	Blank
514-516	Cross Sections, Channel at 500' 00"
517-519	Blank
520-522	Cross Sections, Channel at 500' 00"
523-525	Blank
526-528	Cross Sections, Channel at 500' 00"
529-531	Blank
532-534	Cross Sections, Channel at 500' 00"
535-537	Blank
538-540	Cross Sections, Channel at 500' 00"
541-543	Blank
544-546	Cross Sections, Channel at 500' 00"
547-549	Blank
550-552	Cross Sections, Channel at 500' 00"
553-555	Blank
556-558	Cross Sections, Channel at 500' 00"
559-561	Blank
562-564	Cross Sections, Channel at 500' 00"
565-567	Blank
568-570	Cross Sections, Channel at 500' 00"
571-573	Blank
574-576	Cross Sections, Channel at 500' 00"
577-579	Blank
580-582	Cross Sections, Channel at 500' 00"
583-585	Blank
586-588	Cross Sections, Channel at 500' 00"
589-591	Blank
592-594	Cross Sections, Channel at 500' 00"
595-597	Blank
598-600	Cross Sections, Channel at 500' 00"

**STATE OF VERMONT
DEPARTMENT OF HIGHWAYS**

PROPOSED IMPROVEMENT

INTERSTATE PROJECT

TOWNS OF HARTLAND-HARTFORD

COUNTY OF WINDSOR

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

CONTRACT NO. 3

BEGINNING AT A POINT 3.049 MILES SOUTHERLY OF THE HARTLAND-
HARTFORD TOWN LINE AND EXTENDING NORTHERLY 1.686 MILES

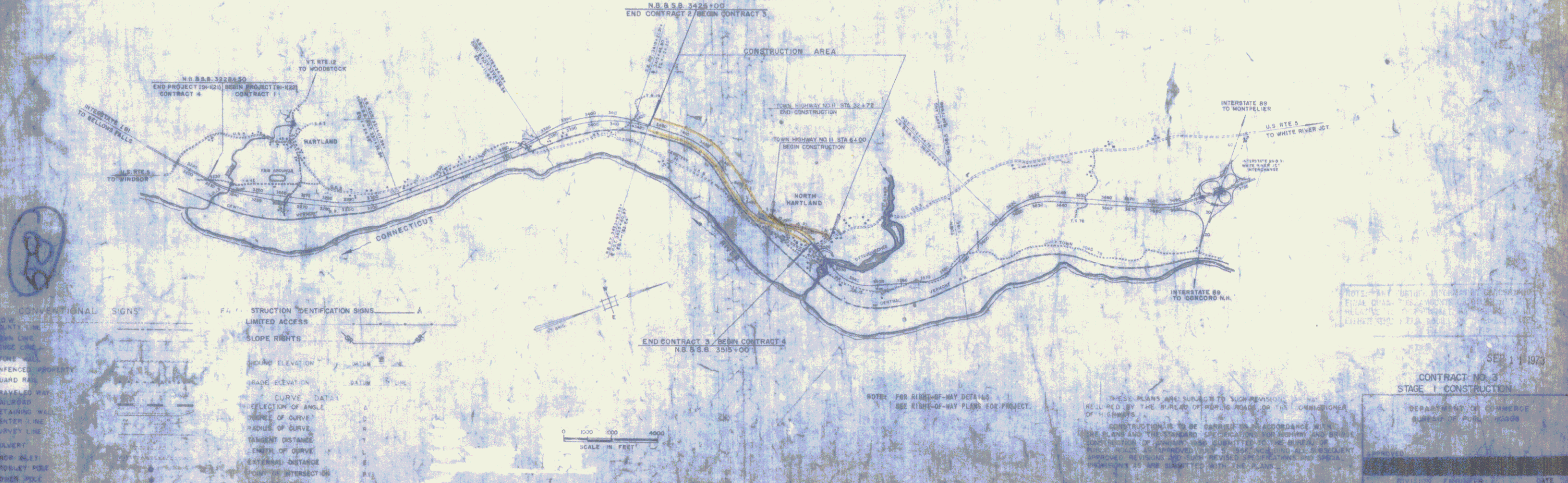
LENGTH OF ROADWAY - 8900 FEET = 1.686 MILES
LENGTH OF PROJECT - 8900 FEET = 1.686 MILES

STAGE 1 - CONSTRUCTION
DESIGN DESIGNATION



NO. 1	1985	3800
NO. 2	1985	8060
NO. 3	1985	1160
D		51%
V		7%
		65% MIN.

- = LIMITED ACCESS PURCHASE
- = NEW LIMITED ACCESS PURCHASE
- = AS BUILT RIGHT OF WAY FENCE



CONVENTIONAL SIGNS		CONSTRUCTION IDENTIFICATION SIGNS	
UNFENCED PROPERTY	LIMITED ACCESS	ROAD ELEVATION	CURVE DATA
GUARD RAIL	SLOPE RIGHTS	GRADE ELEVATION	REFLECTION OF ANGLE
TRAVELER WAY			SOURCE OF CURVE
RETAINING WALL			RADIUS OF CURVE
CENTER LINE			TANGENT DISTANCE
DRIVE WAY			LENGTH OF CURVE
SOLVERT			EXTERNAL DISTANCE
DRIP BLET			CHORD INTERSECTION
TRUCK STOP			POINT OF CURVE
PHONE POLE			POINT OF BEGINNING
TRUCK STOP			POINT OF ENDING
TRUCK STOP			POINT ON TANGENT
TRUCK STOP			POINT ON CURVE



NOTES: FOR RIGID-WAY DETAILS SEE RIGID-WAY PLANS FOR PROJECT.

THESE PLANS ARE SUBJECT TO SUPERVISION AND CONTROL BY THE STATE ENGINEER OF THE DEPARTMENT OF HIGHWAYS.

CONSTRUCTION IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PLANS AND THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES OF THE STATE OF VERMONT, 1974 EDITION, AS AMENDED BY ALL SUBSEQUENT APPROVED REVISIONS. ALL CHANGES MUST BE MADE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES OF THE STATE OF VERMONT, 1974 EDITION, AS AMENDED BY ALL SUBSEQUENT APPROVED REVISIONS.

APPROVED: *[Signature]* DATE: 9/15/63

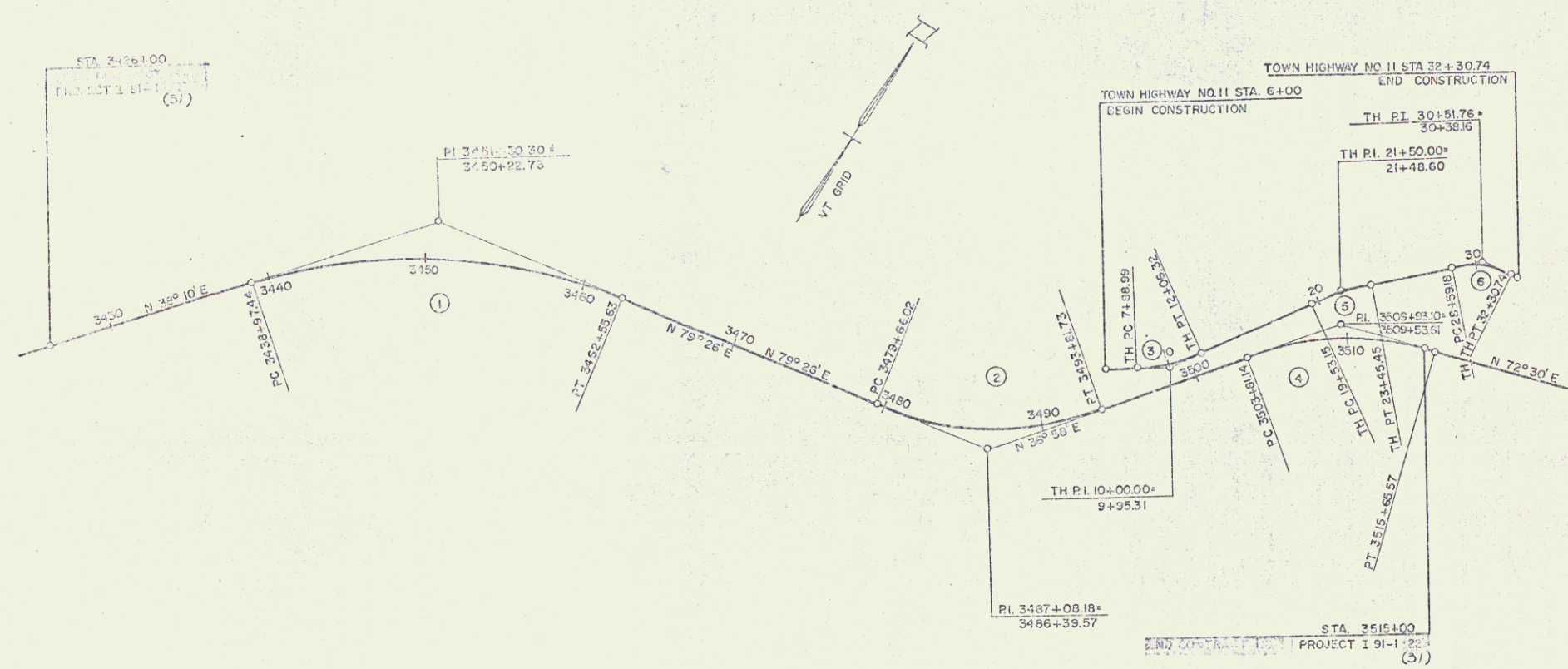
DESIGNED: *[Signature]* DATE: 11/11/62

CHECKED: *[Signature]* DATE: 11/11/62

CONTRACT NO. 3
STAGE 1 - CONSTRUCTION

DATE: 9/15/63

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 4° 28' 11" LT	Δ 20° 52' 00" LT	Δ 36° 31' 55" RT	Δ 11° 46' 00" RT	Δ 37° 09' RT
D 16.45'	D 3'	D 5'	D 3'	D 3'	D 10'
R 2274.05'	R 1809.66'	R 1145.92'	R 1909.86'	R 1909.86'	R 572.95'
T 1252.66'	T 742.16'	T 211.01'	T 611.95'	T 189.55'	T 192.58'
L 2358.19'	L 1416.71'	L 417.33'	L 1184.43'	L 522.30'	L 371.56'
E 349.42'	E 330.15'	E 10.27'	E 95.64'	E 10.11'	E 31.49'
BANK 11/16" PER FT.	BANK 12/16" PER FT.	BANK 12/16" PER FT.	BANK 15/16" PER FT.	BANK 1/10" PER FT.	BANK 1/10" PER FT.



Stage 2 Construction

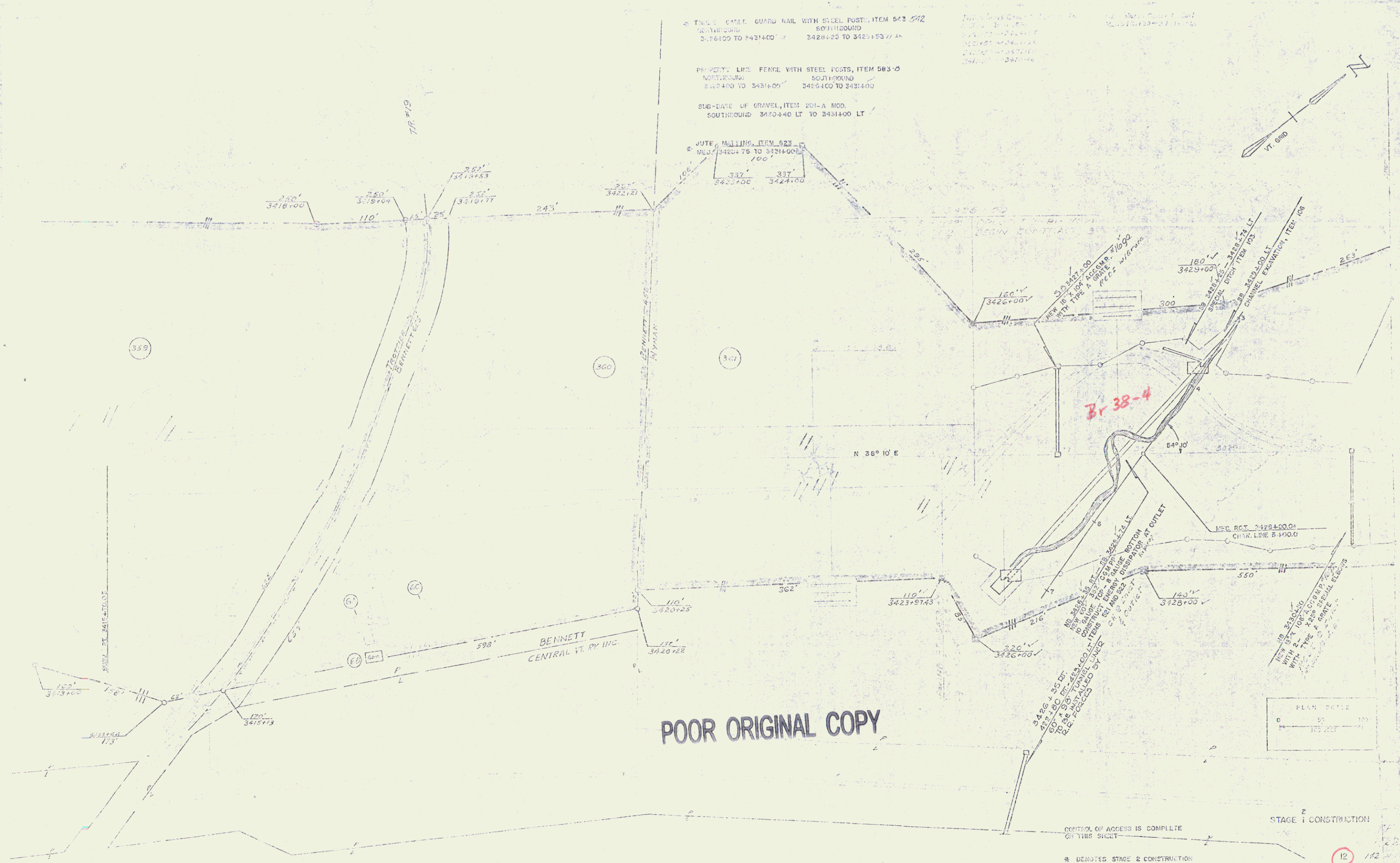
HARTLAND-HARTFORD

ALIGNMENT SHEET

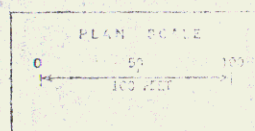
STAGE 2 CONSTRUCTION

PROJ. I NO. 91-1 (57)

SHEET 2 OF 12 Sheet A of 212



POOR ORIGINAL COPY



CONTROL OF ACCESS IS COMPLETE ON THIS SHEET

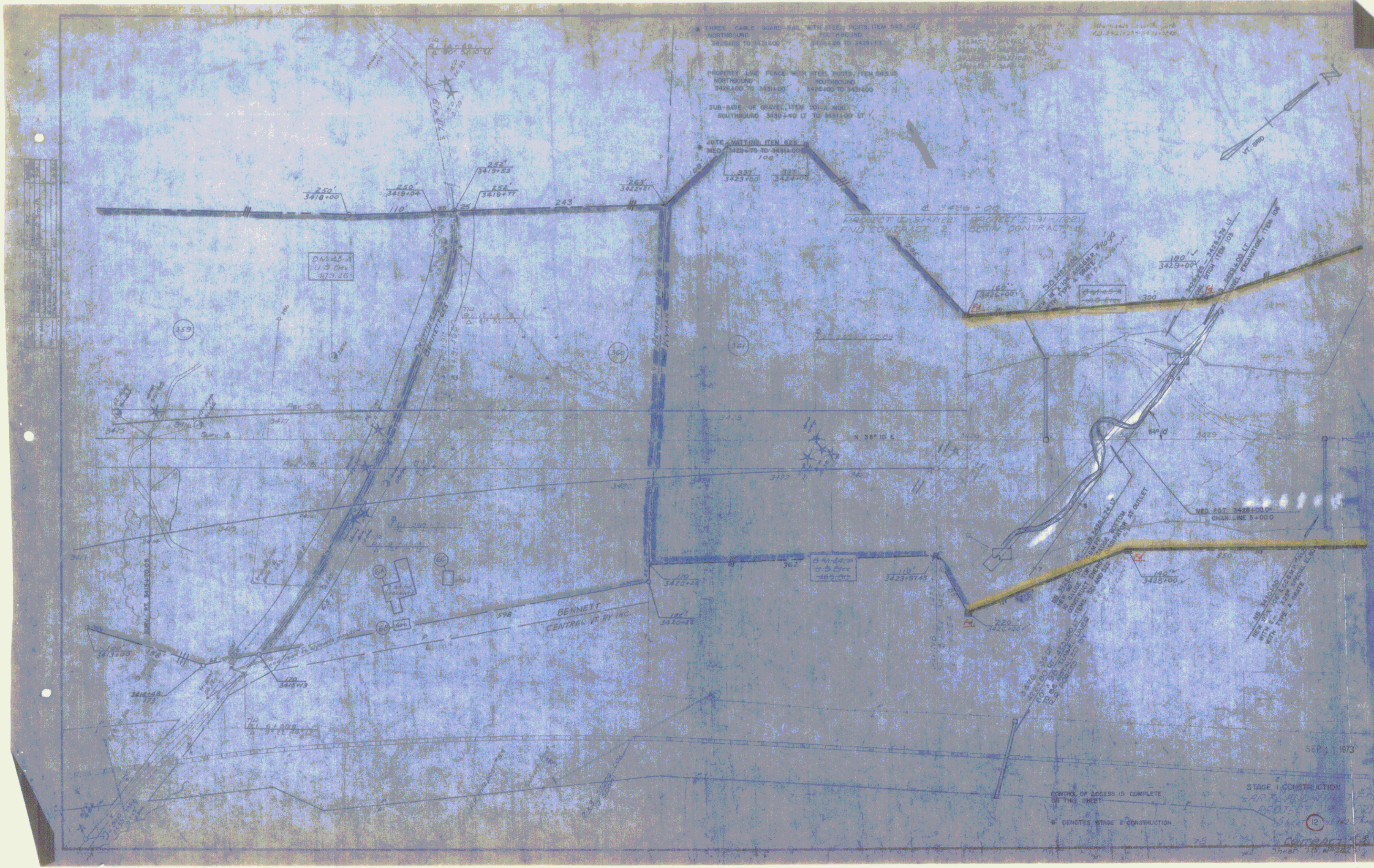
* DENOTES STAGE 2 CONSTRUCTION

STAGE 1 CONSTRUCTION

12

CONTRACT 3

Sheet 10 of 222



510- BASE OF GRAVEL, ITEM 510-A MOD.
SB 3441400-3441430 LT
SB 3441430-3441460 LT

4 TRAPED CABLE CURB RAIL WITH STEEL POSTS, ITEM 543-562
10041100000
2441400-3441430
3441430-3441460

PROPERTY LINE FENCE WITH STEEL POSTS, ITEM 563-D
NORTHBOUND
2431400-2431430
SOUTHBOUND
2431430-2431460

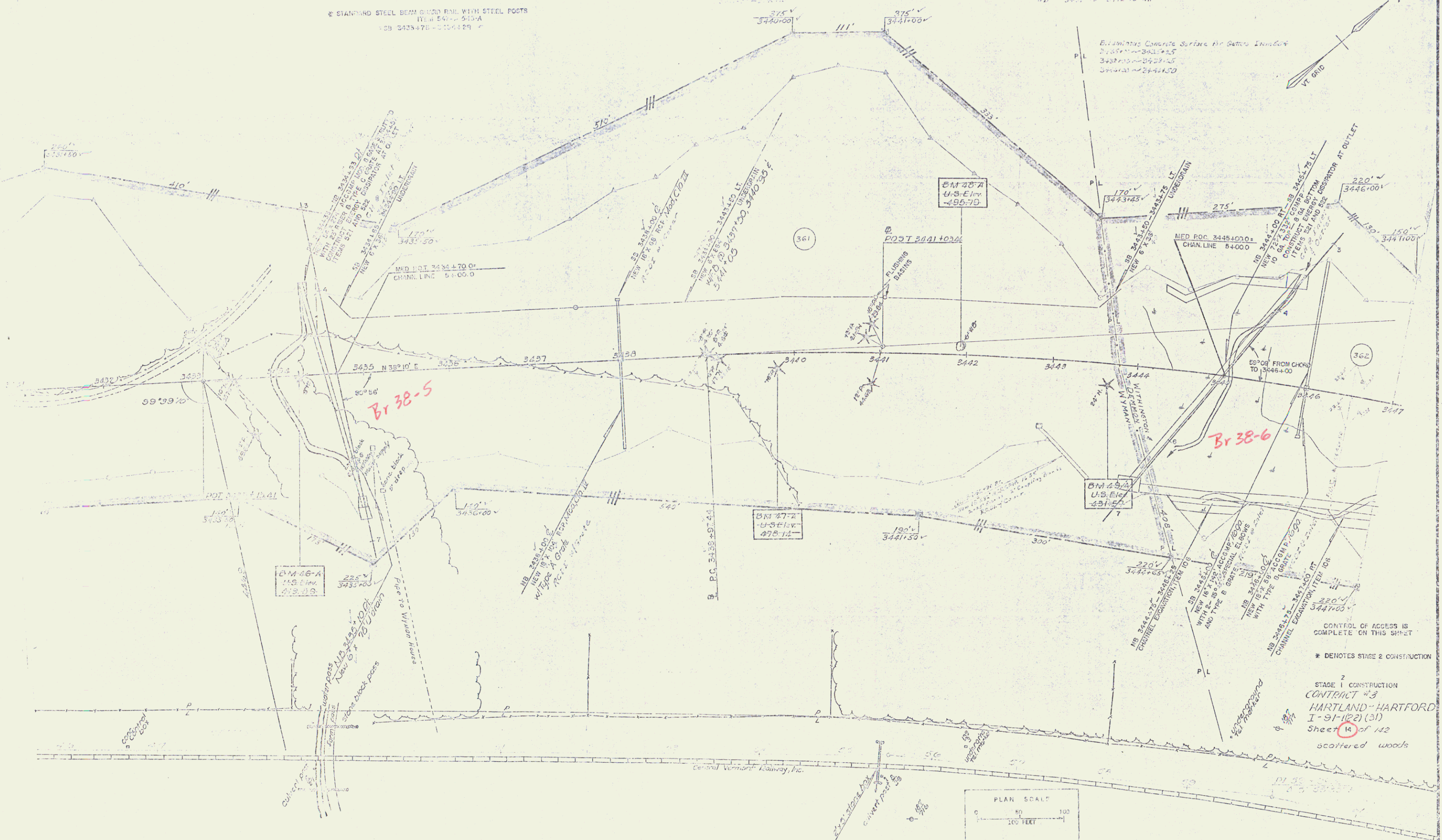
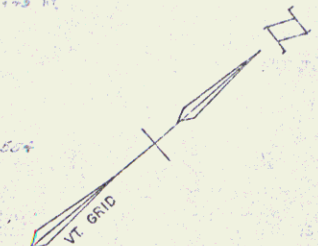
4 PILE MATTING, ITEM 623
2431400-3432425 MED
3432425-3432450 MED
3432450-3432475 MED
3432475-3432500 MED

STONE FILL FOR SLOPE PROTECTION, ITEM 532
NORTHBOUND 3441412-3447400 RT
SOUTHBOUND 3441425-3449406 LT

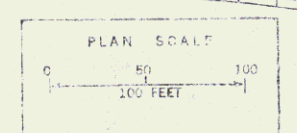
8 BITUMINOUS CONCRETE CURB, ITEM 555
NB 3443450-3447400 RT
SB 3443450-3447400 LT

2 STANDARD STEEL BEAM CHANNEL RAIL WITH STEEL POSTS
ITEM 511-512A
SB 3435475-3435489

Bituminous Concrete Surface for Gutters and Outlets
P.L.
3435480-3435485
3435485-3435490
3435490-3435495



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 112
scattered woods



Sheet 00 of 242

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

HYDRAULIC CONCRETE CURB, ITEM 555
NB 3447+00 - 3448+50 RT
SB 3451+00 - 3452+50 RT

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

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

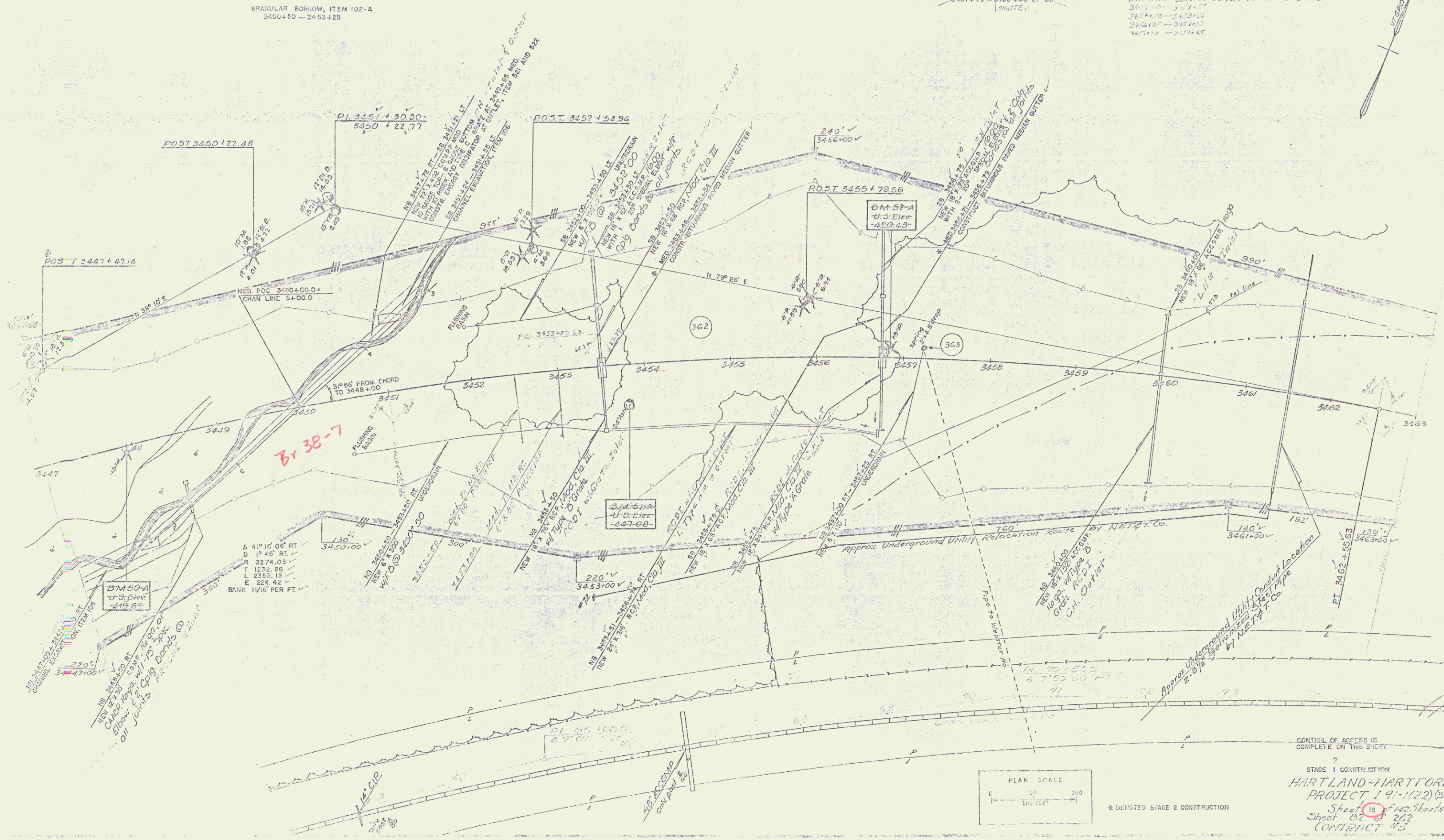
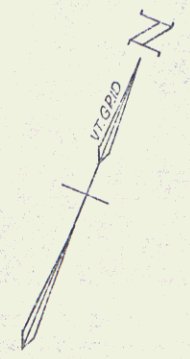
JUTE MATTING, ITEM 623
3448+00 - 3449+85 MED
3451+70 - 3453+50 MED
3458+25 - 3460+00 MED
3462+00 - 3463+00 MED
3451+75 - 3453+50 RT NB
3451+75 - 3453+50 LT SB

PROPERTY LINE FENCE WITH STEEL POSTS, ITEM 563-0
NORTHBOUND
3454+50 - 3463+00
SOUTHBOUND
3456+50 - 3463+00

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

DRILLING AND FRESPLITTING OF SOLID ROCK, ITEM 125
SB 3454+00 - 3454+60 RT

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



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 743

STONE FILL FOR ROAD, ITEM 522
NB 3474+00 - 3474+00 RT

DEMOLITION AND REMOVAL OF BUILDING, ITEM 550
NB 3474+50 RT

BITUMINOUS CONCRETE CURB, ITEM 555
SB 3476+00 - 3476+00 LT

JUTE MATTING, ITEM 623
SB 3476+00 - 3476+00 MED

DRILLING AND BLASTING OF SOLID
ROCK SUBGRADE, ITEM 84
3477+50 - 3478+00

TREATED TIMBER CURB, ITEM 555
NB 3478+00 - 3478+00 RT

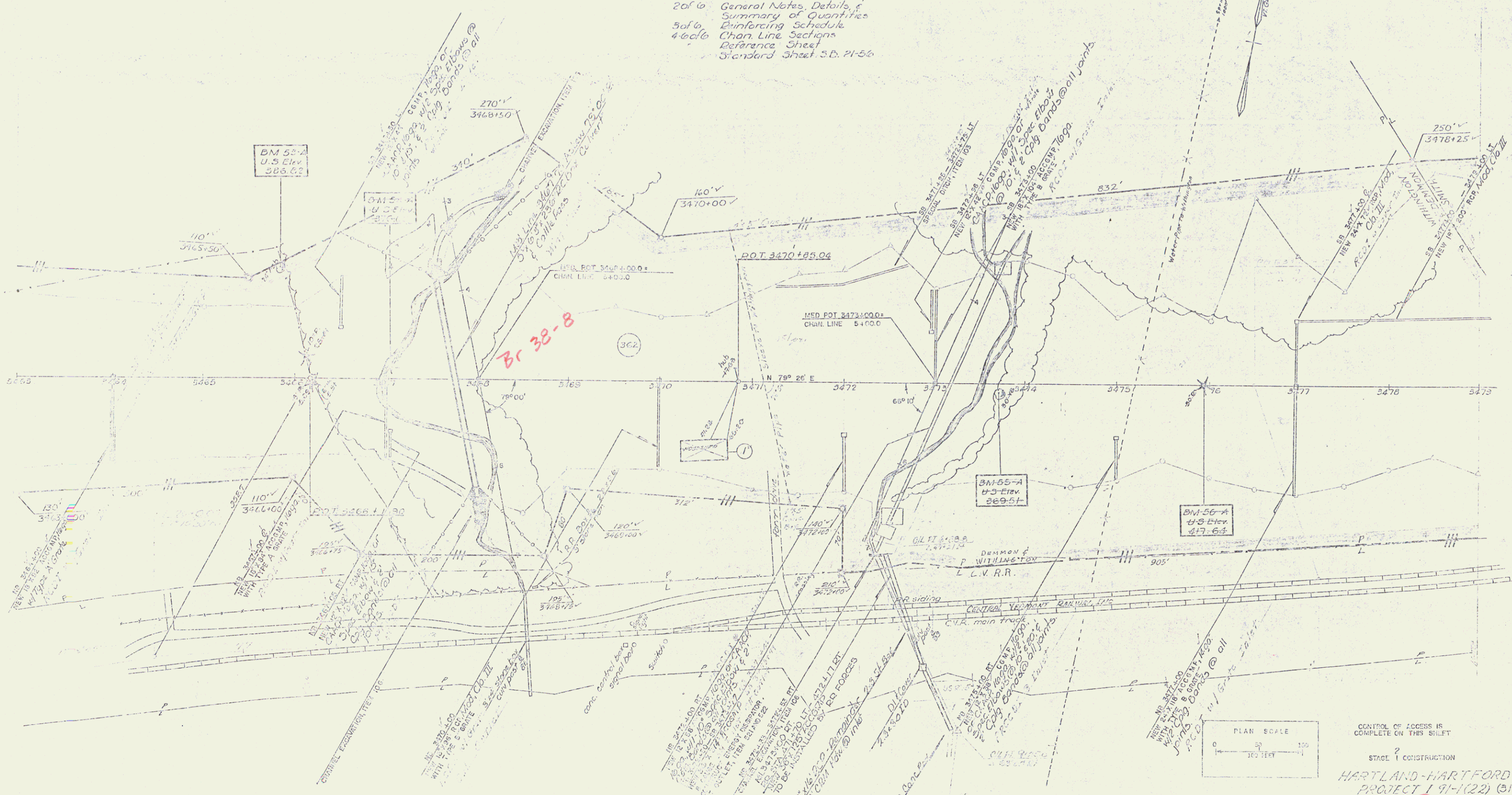
THREE CABLE GUARD RAIL WITH STEEL POSTS, ITEM 543 542
NORTHBOUND
3478+00 - 3478+00

SOUTHBOUND
3478+00 - 3478+00

PROPERTY LINE FENCE WITH STEEL POSTS, ITEM 585-0
NORTHBOUND
3464+00 - 3476+400

SOUTHBOUND
3464+00 - 3476+400

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 1 CONSTRUCTION

HARTLAND-HARTFORD PROJECT 191-1(22) (B1)

Sheet 10 of 142 Sheets

CONTRACT # 10

Sheet 34 of 200

WHITE MATTE...
 3505+00-3511+00
 3505+00-3511+00
 3505+00-3511+00
 3505+00-3511+00

STATION 6+00
 BEGIN CONSTRUCTION

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 7/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPOSED...
 A 3505+00
 B 3505+00
 C 3505+00
 D 3505+00
 E 3505+00
 BANK 15/16 PER FT

PROPERTY LINE FENCE WITH STEEL POSTS, WITH 50'S
 3503+00-RT
 3503+00-RT

DEMOLITION AND REMOVAL OF BUILDINGS, WITH 50'S
 3503+00-RT
 3503+00-RT

DEMOLITION AND REMOVAL OF BUILDINGS, WITH 50'S
 3503+00-RT
 3503+00-RT

100' H.H.H.
 U.S. Elev
 400.567

PLAN SCALE
 0 50 100
 1" = 100 FEET

CONTROL OF ACCESS IS
 COMPLETE ON THIS SHEET

STAGE 1 CONSTRUCTION
 HARTLAND-HARTFORD
 PROJECT 1 91-1(22) (31)
 Sheet 22 of 22 Sheets
 CONTRACT # 22
 SHEET NO. 22

PROPERTY LINE FINISH WITH ST. POS. WITH SEC-15
 NB AND SB 3515+00
 SOUTHBOUND 3511+00-3516+00
 NORTHBOUND 3511+00-3516+00

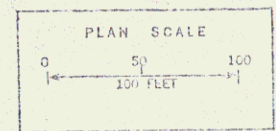
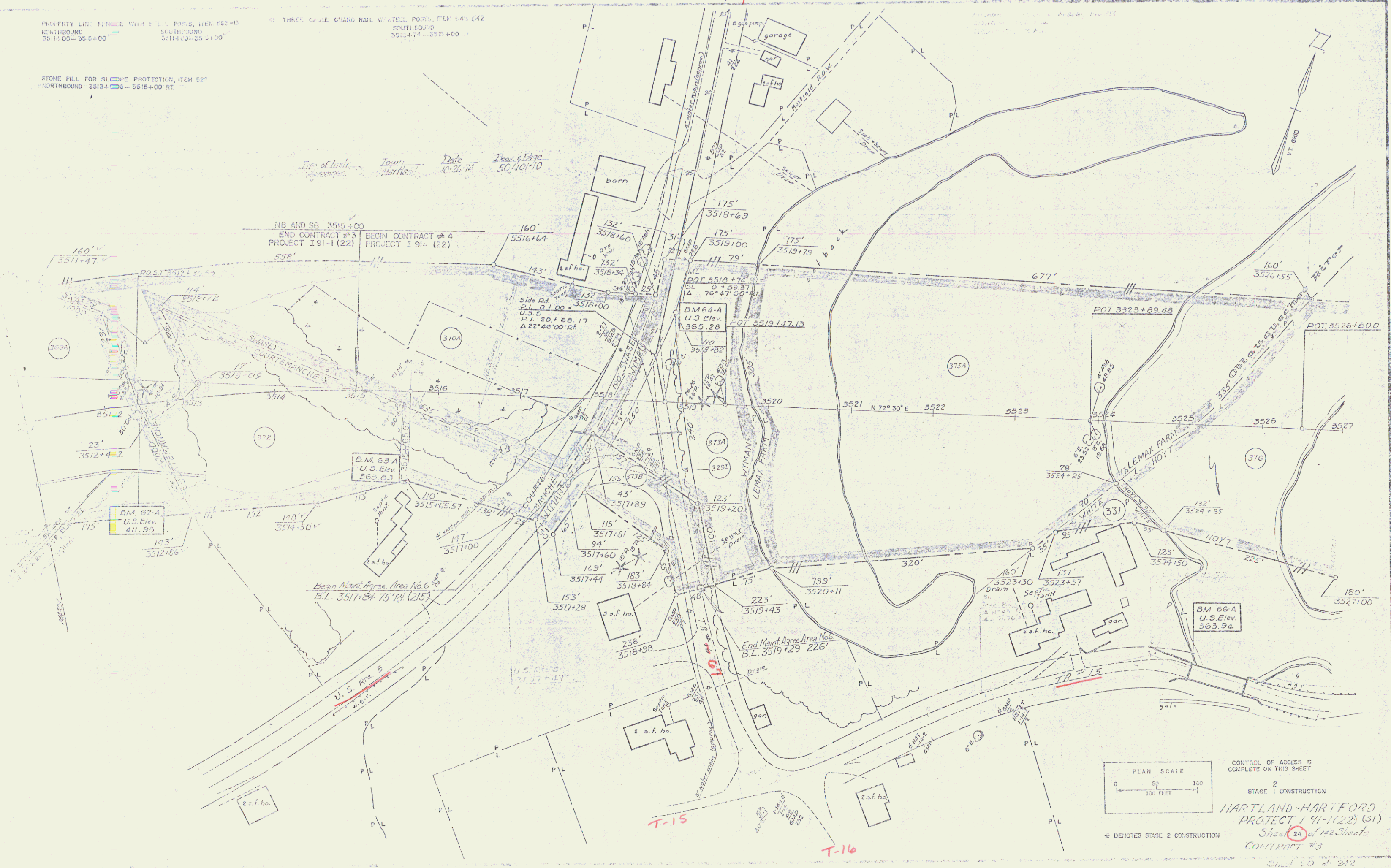
STONE FILL FOR SLOPE PROTECTION, ITEM 022
 NORTHBOUND 3513+00-3516+00 ST.

THREE GLEND ROAD RAIL STATION, ITEM 140 042
 SOUTHBOUND
 3514+74-3515+00

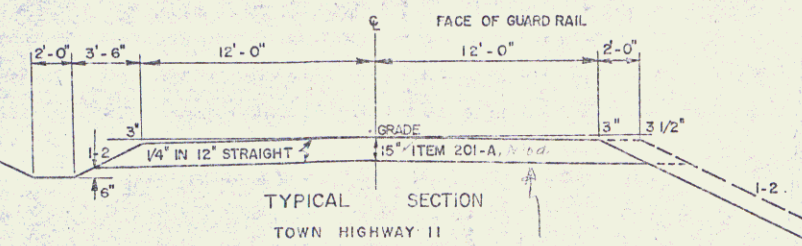
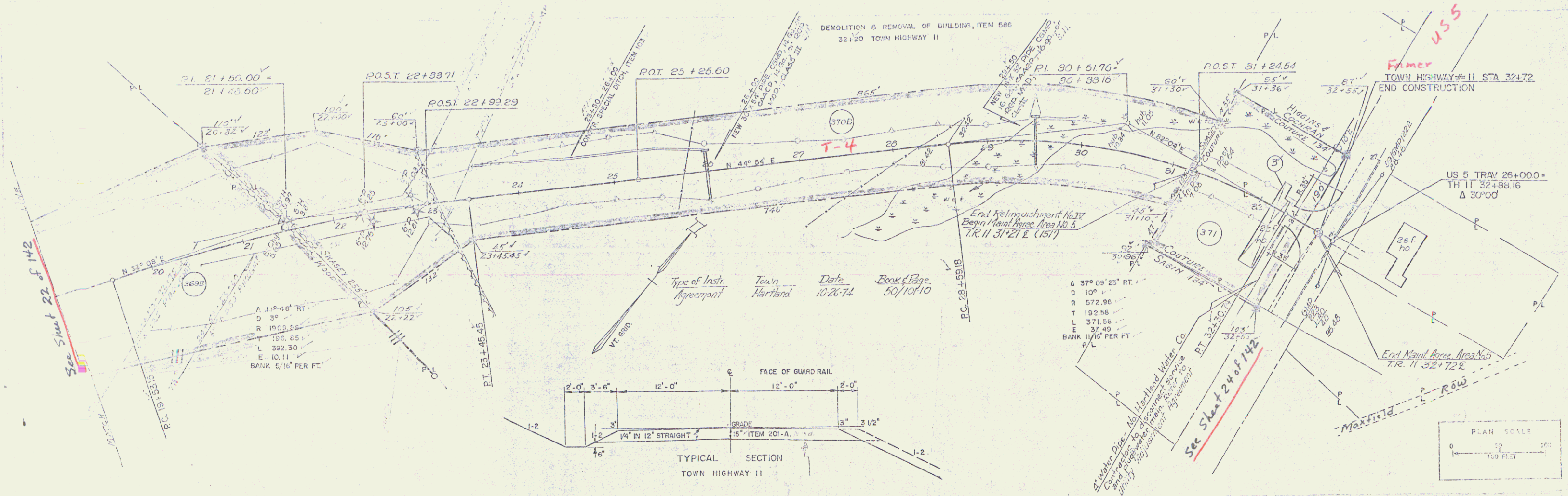
Title of Issue: _____
 Town: _____
 Date: 10-26-74
 Draw: 61270
 50/101/10

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

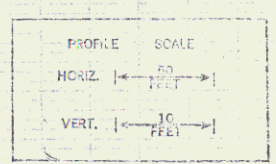
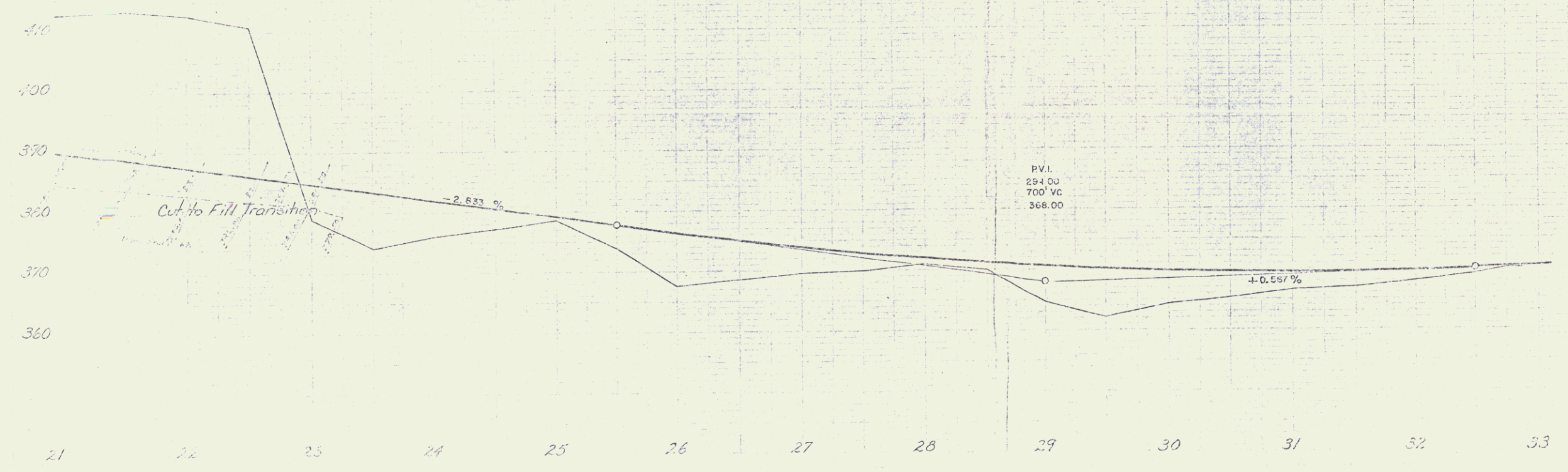
BEGIN CONTRACT #4
 PROJECT 191-1(22)



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
 50/101/10



SCALE 2 FINISHED GRADES SHOWN
 (---) SUBGRADE ELEVATION 2.67 FEET
 (---) BELOW

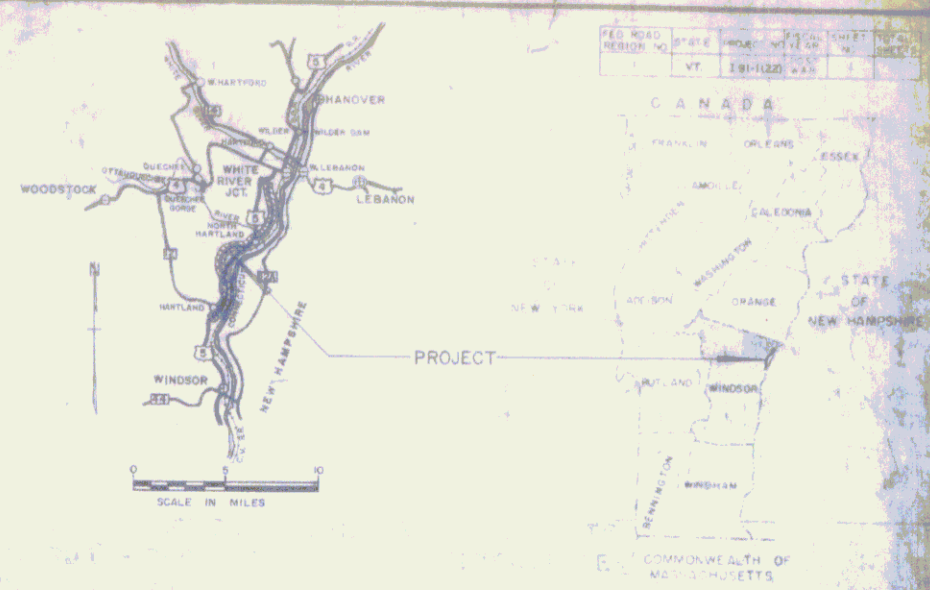


TOWN HIGHWAY #11
 STAGE I CONSTRUCTION
 HARTLAND - HARTFORD
 PROJECT 191-1(22)
 Sheet 27 of 42 Sheets
 Contract #3

INDEX OF SHEETS

1	TYPICAL CROSS SECTION OF IMPROVEMENT (SEE CONC. PART ITEM 341-B MOD.)
2	BAR DETAIL SHEET
3	UTILITY SHEET (DRAINAGE)
4	UTILITY SHEET (DRAINAGE)
5	UTILITY SHEET (DRAINAGE)
6	UTILITY SHEET (DRAINAGE)
7	UTILITY SHEET (DRAINAGE)
8	UTILITY SHEET (DRAINAGE)
9	UTILITY SHEET (DRAINAGE)
10	UTILITY SHEET (DRAINAGE)
11	UTILITY SHEET (DRAINAGE)
12	UTILITY SHEET (DRAINAGE)
13	UTILITY SHEET (DRAINAGE)
14	UTILITY SHEET (DRAINAGE)
15	UTILITY SHEET (DRAINAGE)
16	UTILITY SHEET (DRAINAGE)
17	UTILITY SHEET (DRAINAGE)
18	UTILITY SHEET (DRAINAGE)
19	UTILITY SHEET (DRAINAGE)
20	UTILITY SHEET (DRAINAGE)
21	UTILITY SHEET (DRAINAGE)
22	UTILITY SHEET (DRAINAGE)
23	UTILITY SHEET (DRAINAGE)
24	UTILITY SHEET (DRAINAGE)
25	UTILITY SHEET (DRAINAGE)
26	UTILITY SHEET (DRAINAGE)
27	UTILITY SHEET (DRAINAGE)
28	UTILITY SHEET (DRAINAGE)
29	UTILITY SHEET (DRAINAGE)
30	UTILITY SHEET (DRAINAGE)
31	UTILITY SHEET (DRAINAGE)
32	UTILITY SHEET (DRAINAGE)
33	UTILITY SHEET (DRAINAGE)
34	UTILITY SHEET (DRAINAGE)
35	UTILITY SHEET (DRAINAGE)
36	UTILITY SHEET (DRAINAGE)
37	UTILITY SHEET (DRAINAGE)
38-40	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
41	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
42	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
43	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
44	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
45	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
46	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
47	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
48	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
49	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
50	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
51	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
52	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
53	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
54	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
55	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
56	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
57	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
58	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
59	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
60	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
61	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
62	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
63	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
64	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
65	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
66	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
67	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
68	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
69	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
70	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
71	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
72	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
73	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
74	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
75	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
76	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
77	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
78	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
79	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
80	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
81	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
82	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
83	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
84	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
85	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
86	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
87	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
88	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
89	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
90	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
91	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
92	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
93	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
94	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
95	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
96	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
97	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
98	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
99	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222
100	DETAILS BRIDGE 1.31 OVER OSTAQUOUCHEE RIVER AT 3021+95 TO 194 200+222

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
PROPOSED IMPROVEMENT
INTERSTATE PROJECT
TOWNS OF HARTLAND-HARTFORD
COUNTY OF WINDSOR
INTERSTATE ROUTE 91
BELLOWS FALLS-WHITE RIVER JCT. ROAD
CONTRACT NO 4

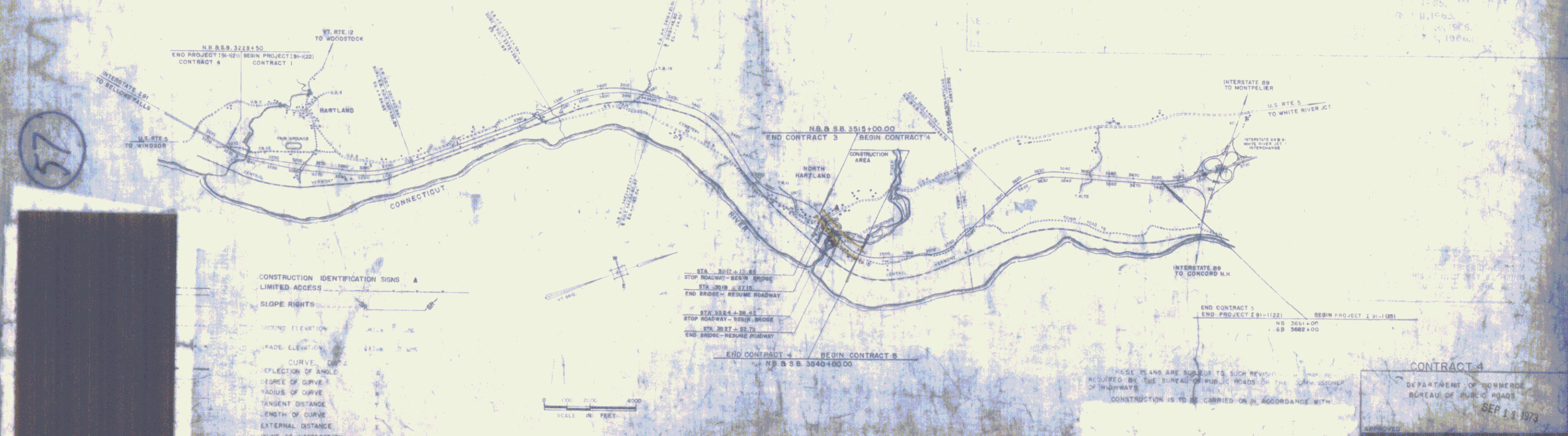


BEGINNING AT A POINT 1.363 MILES SOUTHERLY OF THE HARTLAND-HARTFORD TOWN LINE AND EXTENDING NORTHERLY 0.473 MILES
LENGTH OF ROADWAY 2010.37 FEET = 0.380 MILES
LENGTH OF BRIDGES 489.63 FEET = 0.093 MILE
LENGTH OF CONTRACT 2500.00 FEET = 0.473 MILES

STAGE I CONSTRUCTION

EST	1985	3500
EST	1985	8060
BHV	1985	1180
D		51%
T		7%
V		90 MPH

- = LIMITED ACCESS PURCHASE
- = ~~NO~~ LIMITED ACCESS PURCHASE
- = AS BUILT RIGHT OF WAY FENCE



CONSTRUCTION IDENTIFICATION SIGNS A

LIMITED ACCESS	▲
SLOPE RIGHTS	▲
GRADE ELEVATION	▲
CURVE DATA	▲
DEFLECTION OF ANGLE	▲
DEGREE OF CURVE	▲
RADIUS OF CURVE	▲
TANGENT DISTANCE	▲
LENGTH OF CURVE	▲
EXTERNAL DISTANCE	▲
POINT OF INTERSECTION	▲
POINT OF CURVE	▲
POINT OF TANGENT	▲
POINT ON TANGENT	▲
POINT ON SUB-TANGENT	▲

APPROVED [Signature] DATE: 11/1/63	APPROVED [Signature] DATE: 11/1/63	APPROVED [Signature] DATE: 11/1/63	APPROVED [Signature] DATE: 11/1/63	APPROVED [Signature] DATE: 11/1/63	APPROVED [Signature] DATE: 11/1/63	APPROVED [Signature] DATE: 11/1/63	APPROVED [Signature] DATE: 11/1/63	APPROVED [Signature] DATE: 11/1/63	APPROVED [Signature] DATE: 11/1/63
--	--	--	--	--	--	--	--	--	--

CONTRACT 4
DEPARTMENT OF HIGHWAYS
BUREAU OF PUBLIC ROADS
SEP 11 1973
PROJECT: I-91-122
STAGE I CONSTRUCTION
SHEET 15 OF 103 SHEETS

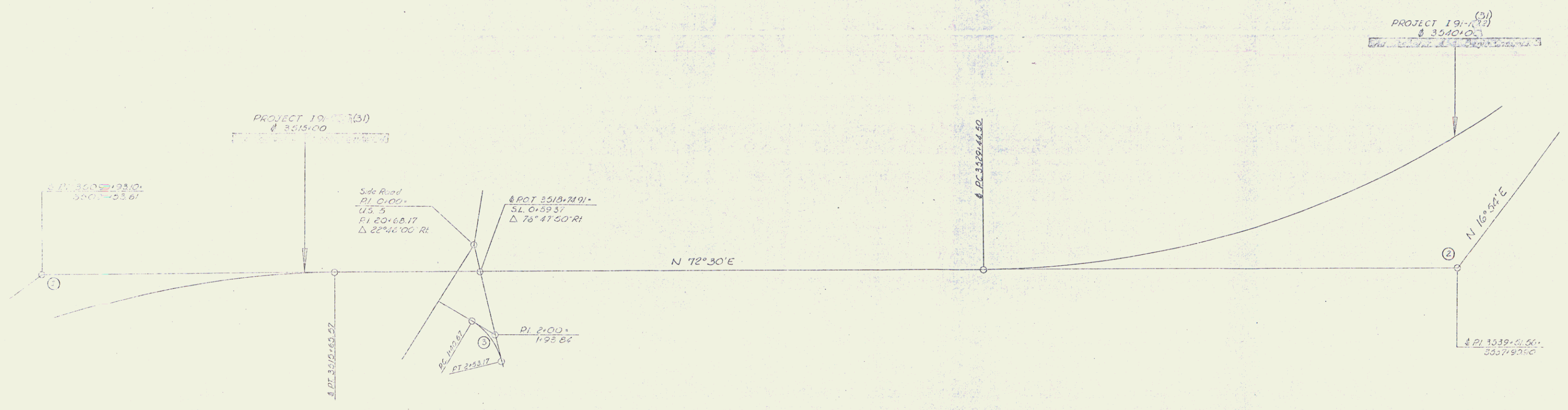
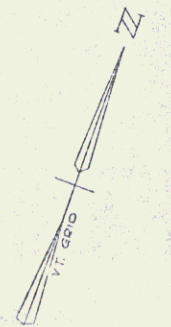
Curve No 1
 Circular Curve Data
 Δ 32° 51' 05" Rt
 D 3"
 R 1909.66'
 T 611.96'
 L 185.45'
 E 92.64'

Spiral Curve Data
 Δ 23° 01' 55" Rt
 D 3"
 Os 37.5'
 Ls 230.00'
 Ts 737.35'
 p 1.36'
 xe 124.95'
 x 249.89'
 y 54.5'
 IT 146.70'
 ST 83.37'
 LC 249.95'
 Lc 934.20'
 Acft 1/4" = 12'
 OS Sta 3345+00.00
 ST Sta 3345+92.50
 SC Sta 3345+92.50
 Lg 1-0.6'

Curve No 2
 Circular Curve Data
 Δ 27° 30' 11" Lt
 D 3"
 R 1700.66'
 T 1027.03'
 L 1833.49'
 E 249.25'

Spiral Curve Data
 Δ 42° 08' 11" Lt
 D 3"
 Os 37.5'
 Ls 250.00'
 Ts 1132.76'
 p 1.36'
 xe 174.98'
 x 249.89'
 y 54.5'
 IT 146.70'
 ST 83.37'
 LC 249.95'
 Lc 1603.49'
 Bank 1/4" = 12'
 TS Sta 3326+46.80
 SC Sta 3330+63.80

Curve No 3
 Δ 45° Rt
 D 40"
 R 143.24'
 T 39.33'
 L 112.50'
 E 11.80'



Stage 2 Construction
 ALIGNMENT SHEET
 HARTLAND-HARTFORD
 I 91-R(2) Contract # (31)
 March 1990
 Sheet 2 of 103
 Sheet 5 of 212

* THREE CABLE GUARD RAILS, ITEM 503
 NB 3514+57 - 3516+00 LT
 SB 3516+00 - 3517+30 LT
 NB 3517+30 - 3518+56 LT
 NB 3518+56 - 3519+20 LT
 SB 3519+20 - 3520+00 LT
 NB 3520+00 - 3521+20 LT

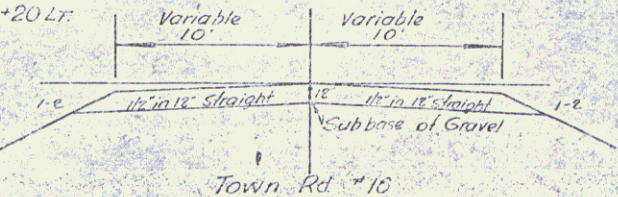
STANDARD STEEL BEAM GUARD RAIL, 4" STEEL POSTS, ITEM 505-A
 THING ONE'S L1 - SB 3518+65 LT
 NB 3518+65 LT - SB 3517+44 LT
 NB 3516+11 LT - SB 3519+06 RT
 NB 3524+00 LT - SB 3524+20 RT

PROPERTY LINE TOWER TOWER POSTS, ITEM 503
 SB 3515+00 - 3517+00 LT
 NB 3515+00 - 3517+00 LT
 NB 3518+00 - 3519+30 RT
 SB 3518+50 - 3519+00 LT
 SB 3519+00 - 3519+20 LT

* BITUMINOUS CONCRETE CURB ITEM 503
 NB 3515+00 - 3516+00 RT
 NB 3516+10 - 3518+00 RT
 BOUNDARY MARKERS ITEM 567
 Med. 3521+00 (203' LT)

CONDUIT ATTACHMENT ITEM 505
 0.5" x 6" 19# RS 61
 Side line @ 3517

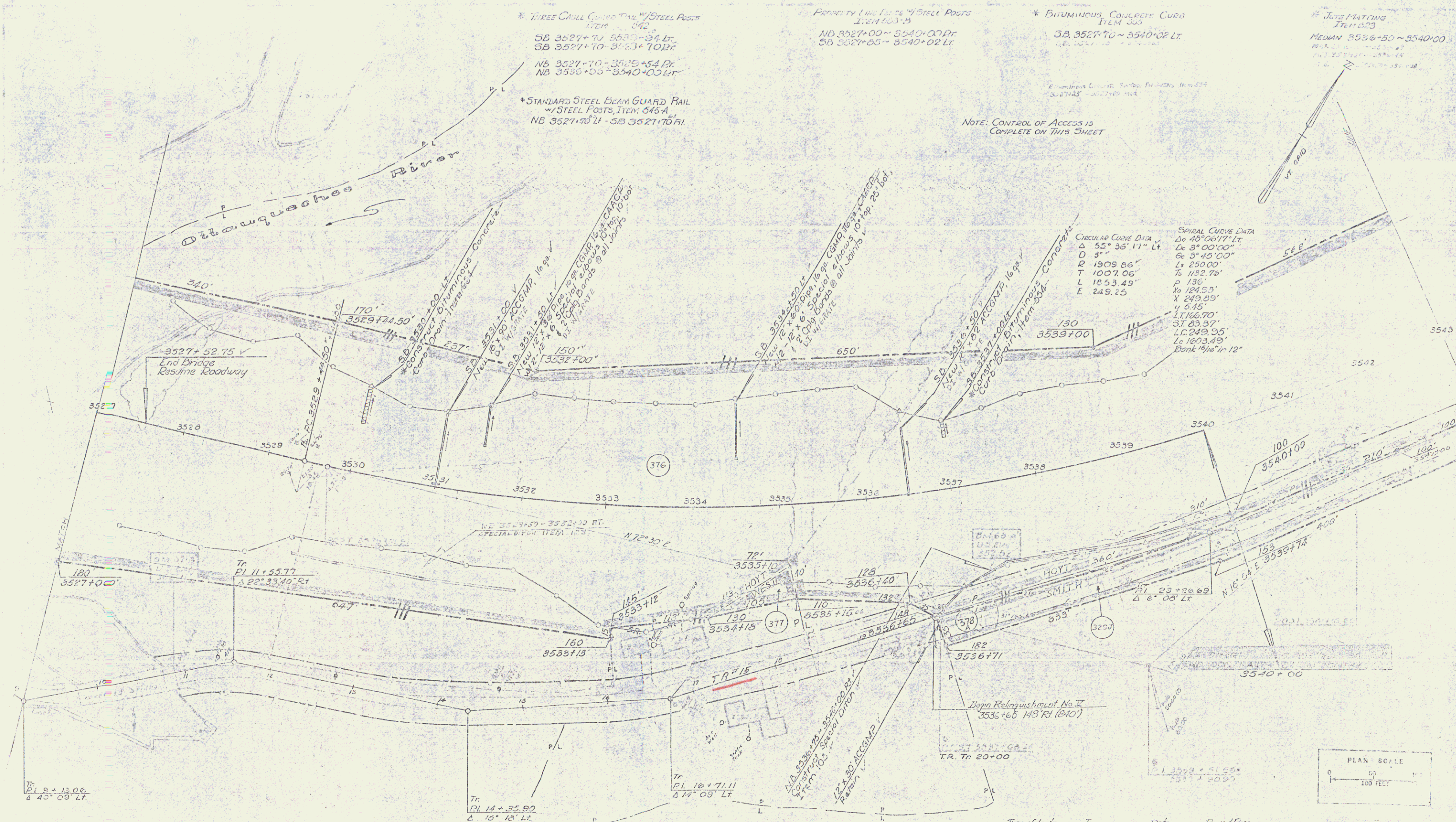
* JUTE MATTING, ITEM 623
 Med. 3519+00 - 3523+00



SPICAL CURVE DATA
 Δ 27°01'55" RT
 Dc 3' 00' 00"
 P 38' 10' 00"
 Lc 250' 00"
 Tc 173' 95"
 P 1.80'
 X 124' 00"
 Y 249' 00"
 Z 8' 85"
 LT 166' 70"
 ST 60' 37"
 LC 2' 09"
 Lc 354' 40"
 Bmt 4" to 1/2"

CIRCULAR CURVE DATA
 Δ 35°31' 55" RT
 D 5' 00' 00"
 P 1909' 06"
 L 611' 96"
 T 1104' 43"
 E 95' 6"

Contract 4
 Stage 2 Construction
 HARTLAND-HARTFOLD
 191-1-100
 Sheet 92 of 102
 * Indicates Stage 2 Construction Sheet 9 of 102



* THREE CASTLE CURB AND 1/2 STEEL POSTS
ITEM 342
SB 3527+00 - 3530+00 LT
SB 3527+10 - 3530+10 RT
NB 3527+70 - 3529+54 Pt
NB 3530+00 - 3540+00 LT

* STANDARD STEEL BEAM GUARD RAIL
1/2 STEEL POSTS, ITEM 343 A
NB 3527+00 - SB 3527+00

PENNYTY 1 1/2\"/>

* BITUMINOUS CONCRETE CURB
ITEM 343
SB 3527+70 - 3540+00 LT

* JUNGLE MATING
ITEM 343
MEDIAN 3536+50 - 3540+00

NOTE: CONTROL OF ACCESS IS COMPLETE ON THIS SHEET

CIRCULAR CURVE DATA
 Δ 55° 35' 11" LT
 L_c 8° 00' 00"
 D 3"
 R 1909.66'
 T 1007.06'
 L 1253.49'
 E 249.25'

SPIRAL CURVE DATA
 L_c 45° 00' 17" LT
 L_c 8° 00' 00"
 L_s 250.00'
 L_c 1182.78'
 L_c 136'
 L_s 124.57'
 L_c 1603.49'
 L_c 1603.49'
 L_c 1603.49'
 L_c 1603.49'



Type of Inst. Agreement	Town	Date	Book & Page
	Hartland	10-26-74	50 110-110

Stage 2 Construction
HARTLAND - HARTFORD

* Indicates Stage 2 Construction

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

PLAN
 DATE: 10/1/00
 DRAWN BY: [illegible]
 CHECKED BY: [illegible]
 SCALE: 1" = 100'

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

NOTE: CONTROL OF ACCESS IS COMPLETE ON THIS SHEET

Effective Control Surface Per Station from 199
 3540+00 - 3541+00
 3541+00 - 3542+00
 3542+00 - 3543+00
 3543+00 - 3544+00

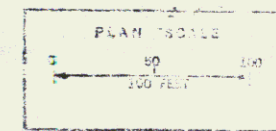
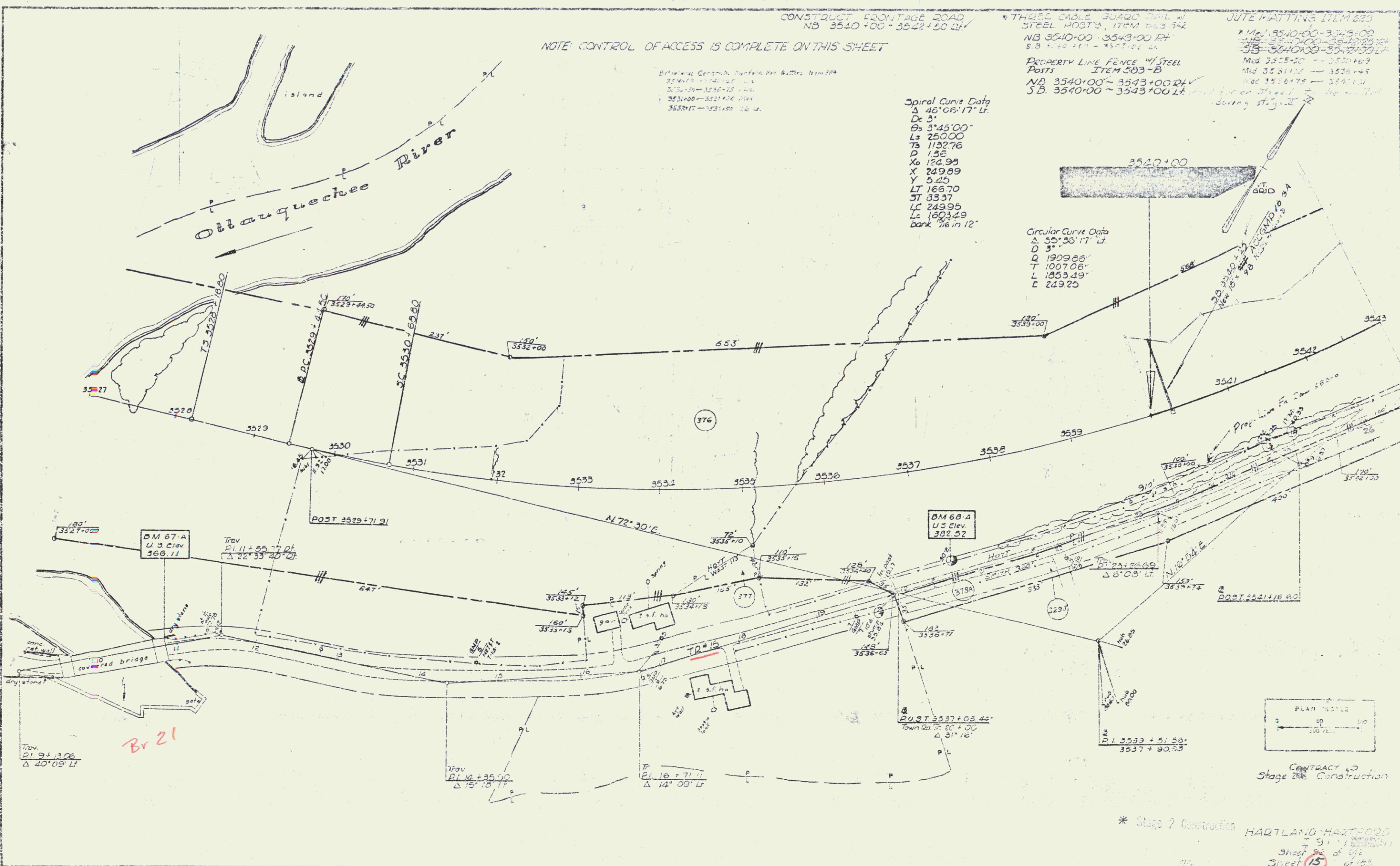
* THREE CABLE GUARD RAIL W/
 STEEL POSTS, 17MM DIA 542
 NB 3540+00 - 3543+00 17"
 S.B. 3540+00 - 3543+00 17"
 PROPERTY LINE FENCE W/ STEEL
 POSTS
 ITEM 503-B
 NB 3540+00 - 3543+00 24"
 S.B. 3540+00 - 3543+00 24"

JUTE MATTING ITEM 620

1. Mat 3540+00 - 3541+00
 2. Mat 3541+00 - 3542+00
 3. Mat 3542+00 - 3543+00
 4. Mat 3543+00 - 3544+00
 5. Mat 3544+00 - 3545+00
 6. Mat 3545+00 - 3546+00
 7. Mat 3546+00 - 3547+00
 8. Mat 3547+00 - 3548+00
 9. Mat 3548+00 - 3549+00
 10. Mat 3549+00 - 3550+00

Spiral Curve Data
 Δ 40° 06' 17" LF
 Dc 3'
 Gs 3'45'00"
 Ls 250.00
 Ts 1132.76
 D 138'
 Xs 124.95
 Ys 249.89
 Zs 5.25
 LT 166.70
 ST 3537
 LC 249.95
 Lc 1603.49
 bank 1/4 in 12'

Circular Curve Data
 Δ 35° 36' 17" LF
 D 31'
 Q 1909.88
 T 1007.08
 L 1853.49
 E 249.25



CONTRACT NO.
 Stage 2 Construction

* Stage 2 Construction
 HARTLAND-HART SOO
 791
 Sheet 15 of 15

PLAN	DESIGNED BY	DATE
NO.	PROJECT NO.	SCALE
	CONTRACT NO.	
	DESCRIPTION	
	BY	
	CHECKED BY	
	DATE	

SUB-BASE OF SAND ITEM 202
NB 3553+00-3561+50

THREE CABLE GUARD RAIL
W/ STEEL POSTS, ITEM 542 *
SB 3559+00-3560+04 LT
NB 3569+56-3575+00 RT

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

DRILLING & BLASTING of SOLID
ROCK SUBGRADE, ITEM 114 Mod
3566+50-3569+56
3571+50-3575+00

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

GRATE MATTING ITEM 623
NB 3559+00-3572+00
SB 3560+00-3567+25 LT

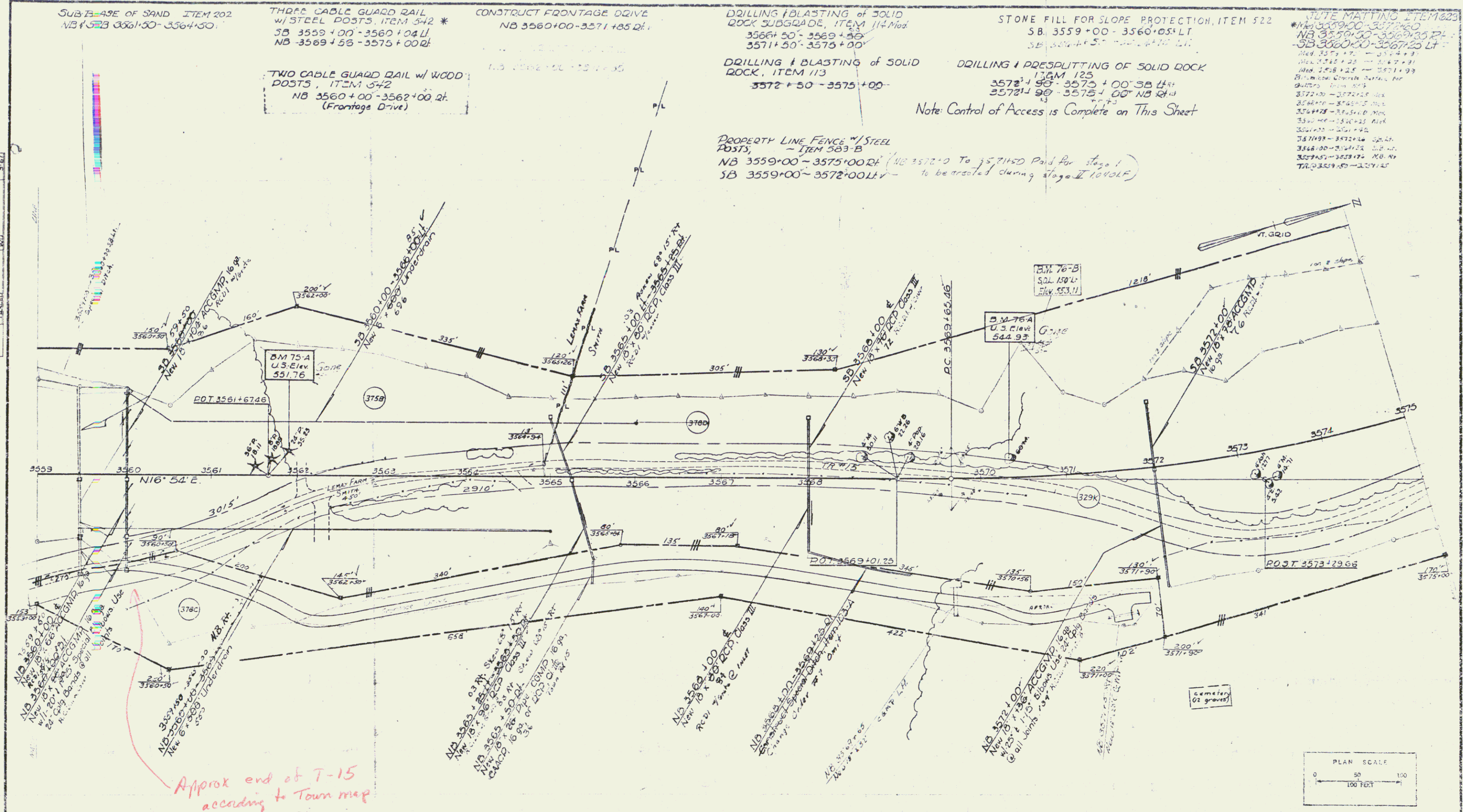
TWO CABLE GUARD RAIL W/ WOOD
POSTS, ITEM 542
NB 3560+00-3562+00 RT
(Frontage Drive)

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

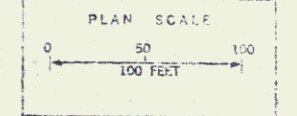
DRILLING & PRESPLITTING OF SOLID ROCK
ITEM 125
3572+50-3575+00 SB LT
3572+90-3575+00 NB RT

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+0 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
Stage 2 Construction

HARTLAND - HARTFORD
I 91 - 1122
Sheet 19 of 18
Sheet 100 of 222

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

JUTE MATTING ITEM 623
 NB 3607+00 - 3607+75 Rt
 NB 3616+00 - 3616+50 Rt
 NB 3621+00 - 3621+25 Rt
 NB 3621+25 - 3623+00 Lt
 NB 3621+25 - 3623+00 Rt

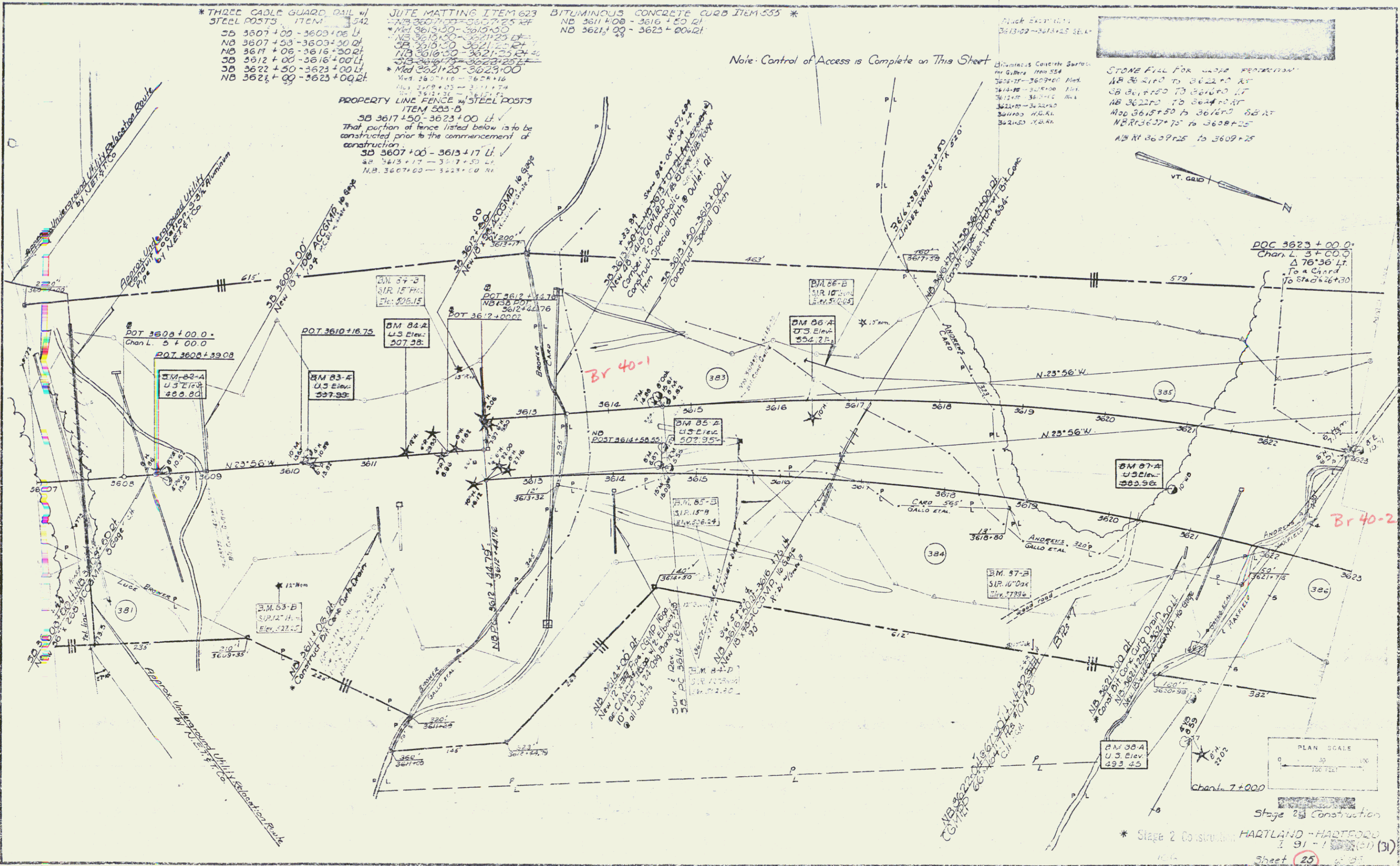
BITUMINOUS CONCRETE CURB ITEM 535 *
 NB 3611+00 - 3616+50 Rt
 NB 3621+00 - 3623+00 Lt

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
 N.B. 3607+00 - 3623+00 Rt

Note: Control of Access is Complete on This Sheet

STONE FILL FOR ROAD RECONSTRUCTION
 NB 3614+00 TO 3615+00 Rt
 SB 3614+00 TO 3615+00 Lt
 NB 3621+00 TO 3622+00 Rt
 NB 3621+00 TO 3622+00 Lt
 NB 3622+00 TO 3623+00 Rt
 NB 3622+00 TO 3623+00 Lt
 NB 3623+00 TO 3624+00 Rt
 NB 3623+00 TO 3624+00 Lt

PLAN	SUBMITTED	DATE
BY	NO. 100	1/21
FOR	NO. 100	1/21
BY	NO. 100	1/21
FOR	NO. 100	1/21



PLAN SCALE
 1" = 100'
 Stage 2 Construction
 * Stage 2 Construction HARTLAND - HARTFORD
 I 91 - I 84 (31) (31)
 Sheet 25 of 31
 Sheet 100 of 212

PLAN
 DATE
 DRAWN BY
 CHECKED BY
 APPROVED BY

STONE CURB FOR SIDE PROTECTION
 S.A. 13' 24" x 24" x 24" 200000
 MEDIAN CURB TO BE 20' HIGH

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

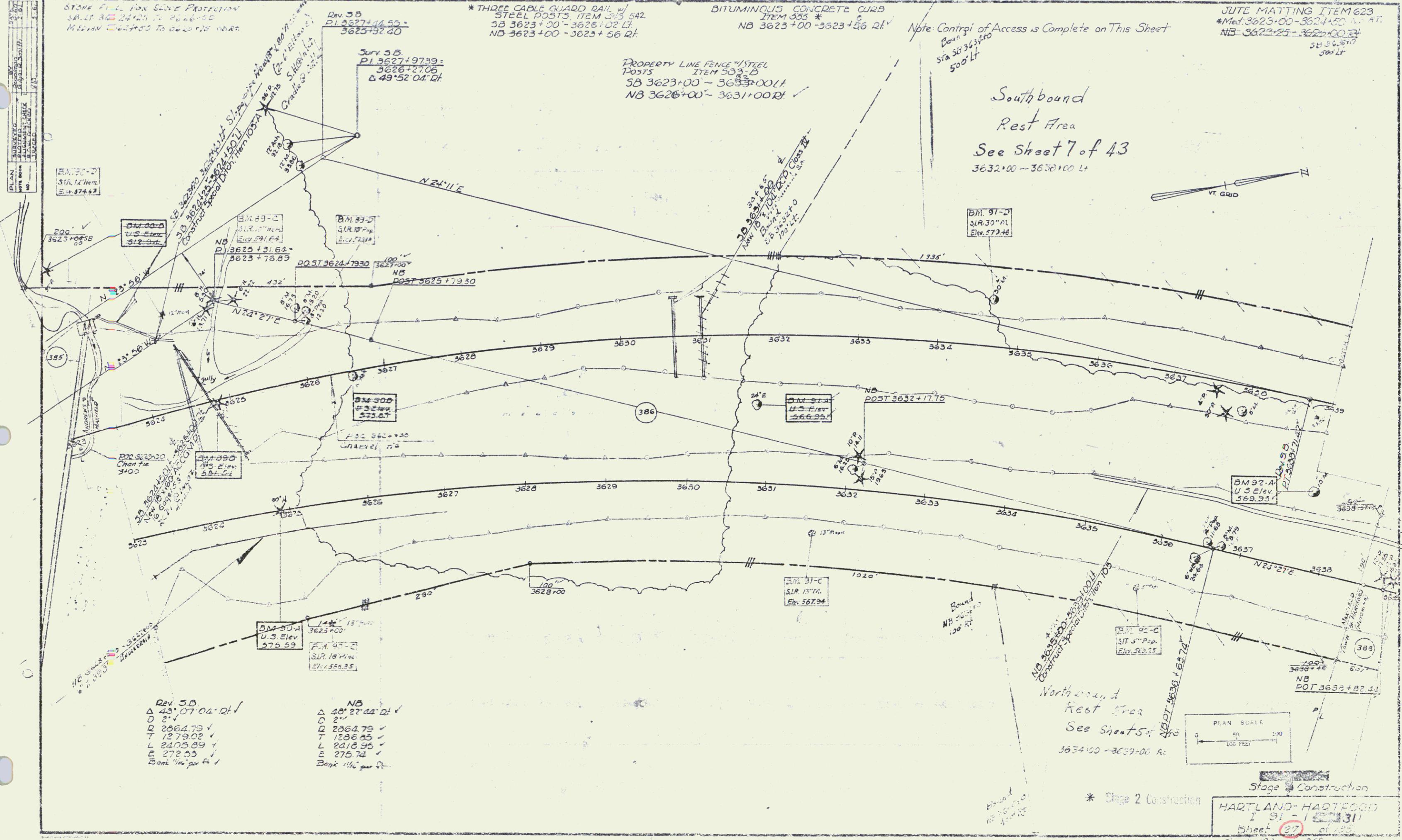
DITUMINOUS CONCRETE CURB
 ITEM 305 *
 NB 3623+00 - 3623+56 Rt.

JUTE MATTING ITEM 623
 *Med. 3625+00 - 3624+00 N. 1/2
 NB 3622+25 - 3622+00 Rt.
 38' 36.50'
 500 Lt.

Note: Control of Access is Complete on This Sheet

PROPERTY LINE FENCE (STEEL
 POSTS
 ITEM 503-D
 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.



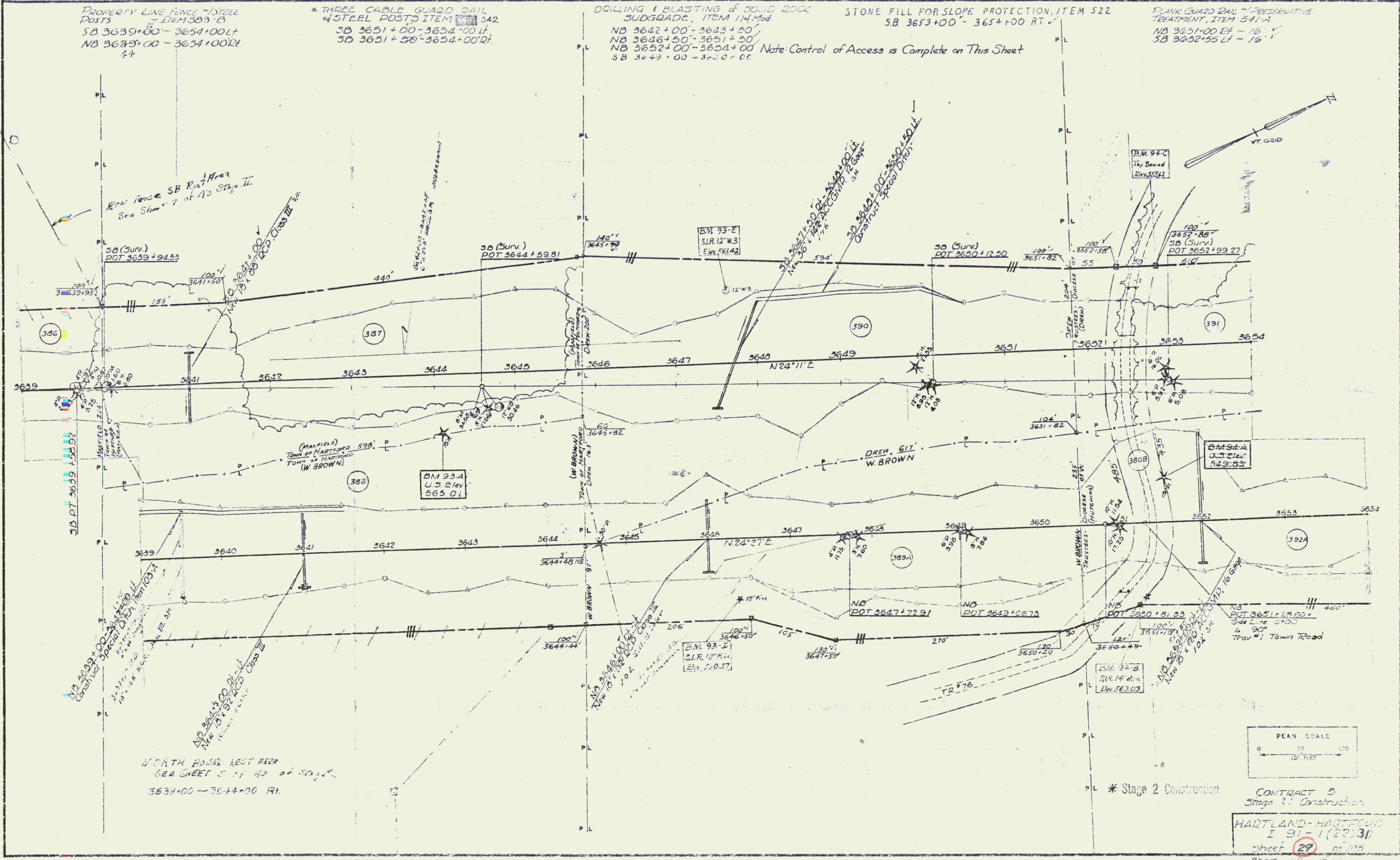
Rev. 3-D
 Δ 43° 07' 04" Rt.
 D 2' ✓
 R 2064.75 ✓
 T 1273.02 ✓
 L 2405.89 ✓
 E 272.53 ✓
 Cont. 1/16" per ft.

NB
 Δ 40° 23' 44" Rt.
 D 2' ✓
 R 2064.75 ✓
 T 1206.85 ✓
 L 2418.95 ✓
 E 275.74 ✓
 Cont. 1/16" per ft.

PLAN SCALE
 1" = 100 FEET

Stage 2 Construction
 Stage 3 Construction
 HARTLAND-HARTFORD
 I 91 - I 31
 Sheet 27 of 43
 Sheet 103 of 242

DATE	BY
DESIGNED	BY
CHECKED	BY
APPROVED	BY
SCALE	
PROJECT	
NO.	



PLAN	REVISIONS
NO.	DATE
1	10/10/91
2	11/15/91
3	12/10/91
4	01/15/92
5	02/15/92
6	03/15/92
7	04/15/92
8	05/15/92
9	06/15/92
10	07/15/92
11	08/15/92
12	09/15/92
13	10/15/92
14	11/15/92
15	12/15/92
16	01/15/93
17	02/15/93
18	03/15/93
19	04/15/93
20	05/15/93
21	06/15/93
22	07/15/93
23	08/15/93
24	09/15/93
25	10/15/93
26	11/15/93
27	12/15/93
28	01/15/94
29	02/15/94
30	03/15/94
31	04/15/94
32	05/15/94
33	06/15/94
34	07/15/94
35	08/15/94
36	09/15/94
37	10/15/94
38	11/15/94
39	12/15/94
40	01/15/95
41	02/15/95
42	03/15/95
43	04/15/95
44	05/15/95
45	06/15/95
46	07/15/95
47	08/15/95
48	09/15/95
49	10/15/95
50	11/15/95
51	12/15/95
52	01/15/96
53	02/15/96
54	03/15/96
55	04/15/96
56	05/15/96
57	06/15/96
58	07/15/96
59	08/15/96
60	09/15/96
61	10/15/96
62	11/15/96
63	12/15/96
64	01/15/97
65	02/15/97
66	03/15/97
67	04/15/97
68	05/15/97
69	06/15/97
70	07/15/97
71	08/15/97
72	09/15/97
73	10/15/97
74	11/15/97
75	12/15/97
76	01/15/98
77	02/15/98
78	03/15/98
79	04/15/98
80	05/15/98
81	06/15/98
82	07/15/98
83	08/15/98
84	09/15/98
85	10/15/98
86	11/15/98
87	12/15/98
88	01/15/99
89	02/15/99
90	03/15/99
91	04/15/99
92	05/15/99
93	06/15/99
94	07/15/99
95	08/15/99
96	09/15/99
97	10/15/99
98	11/15/99
99	12/15/99
100	01/15/00

STONE FILL FOR SLOPE PROTECTION
ITEM 322
SB 3654+00-3655+00 RT

*THREE CABLE GUARD RAIL
W/ STEEL POSTS ITEM 342
SB 3654+00-3663+00 RT
SB 3654+00-3666+04 LT
NB 3659+00-3661+03 LT

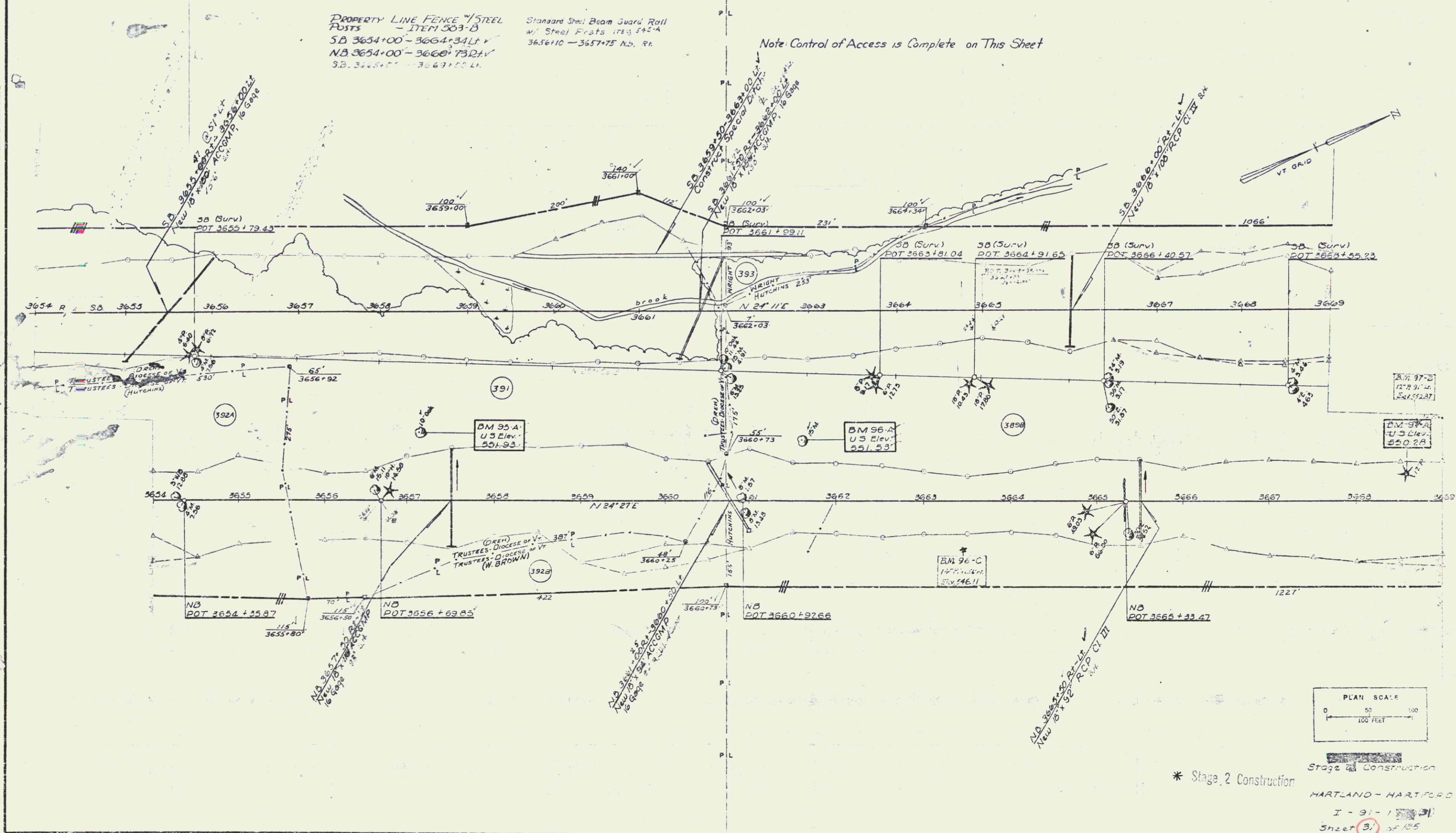
DRILLING and BLASTING of SOLID ROCK
SUBGRADE ITEM 114 Mod.
NB 3654+00-3657+00
NB 3658+50-3661+50
NB 3665+50-3669+00
SB 3660+50-3669+00

DRILLING and BLASTING of SOLID ROCK ITEM 113
NB 3659+00-3661+00

PROPERTY LINE FENCE 1/2" STEEL POSTS
ITEM 303-B
SB 3654+00-3664+34 LT
NB 3654+00-3660+73 RT
SB 3655+00-3663+00 LT

Standard Steel Beam Guard Rail
w/ Steel Posts ITEM 342-A
3656+10-3657+75 NB, Rt.

Note: Control of Access is Complete on This Sheet



* Stage 2 Construction
Stage 1 Construction
HARTLAND - HARTFORD
I - 91 - 100 (91)
Sheet (31) of 105
Sheet 12 of 102

3669+00 to 3670+00 NB
 3670+00 to 3671+00 NB
 3671+00 to 3672+00 NB

DRILLING AND BLASTING OF
 SOLID ROCK SUBGRADE ITEM 14 Mod
 SB 3669+00 - 3672+50
 NB 3669+00 - 3671+50

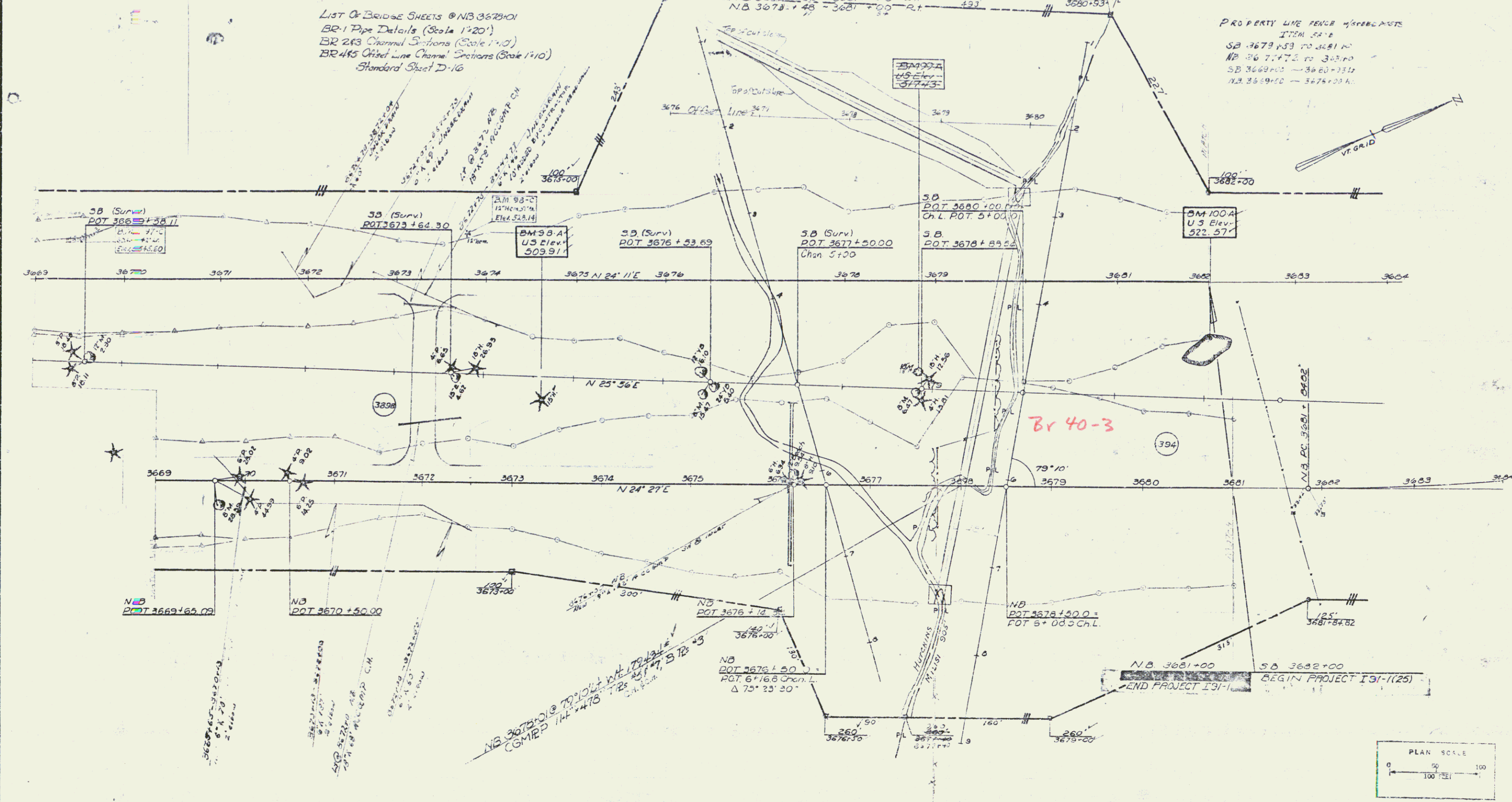
THREE CABLE GUARD RAIL
 W/ STEEL POSTS ITEM 542
 SB 3674+00 - 3682+00 LT
 SB 3674+00 - 3682+00 RT
 NB 3672+52 - 3681+00 LT
 NB 3678+48 - 3681+00 RT

Note: Control of Access is Complete on This Street

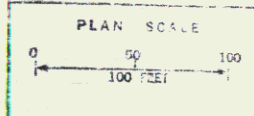
LIST OF BRIDGE SHEETS @ NB 367B01
 BR-1 Pipe Details (Scale 1"=20')
 BR-243 Channel Sections (Scale 1"=10')
 BR-45 Offset Line Channel Sections (Scale 1"=10')
 Standard Steel D-16

PROPERTY LINE FENCE W/ BRACKETS
 ITEM 541
 SB 3673+53 TO 3681+00
 NB 3674+72 TO 3682+00
 SB 3669+00 - 3680+33
 NB 3669+00 - 3676+03

PLAN	REVISED	DATE	BY
	ADJUSTED	11/11/01	W. J. [unclear]
	APPROVED	11/11/01	[unclear]
	ISSUED	11/11/01	[unclear]



Br 40-3



* Stage 2 Construction

Stage 2 Construction

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

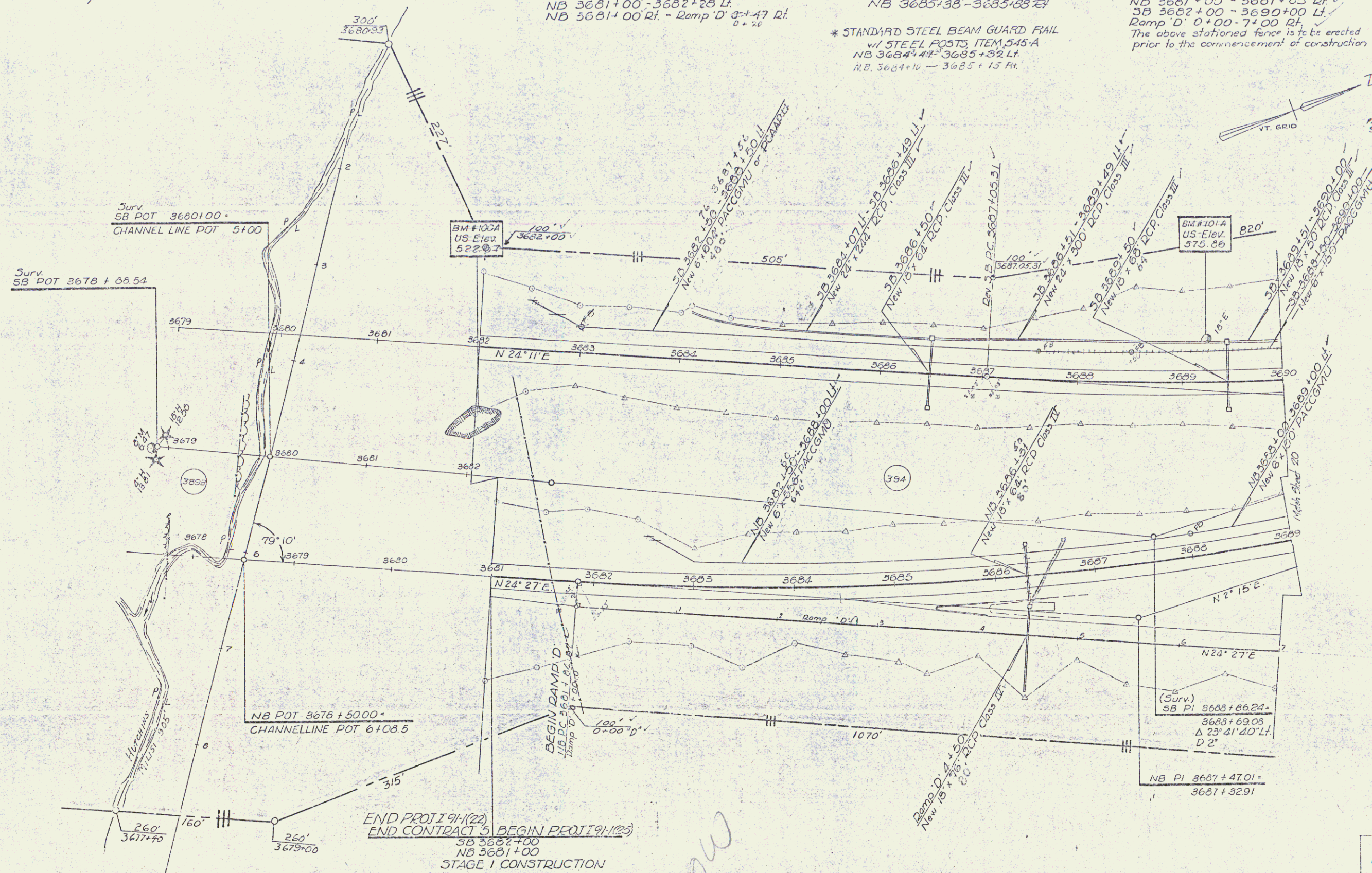
* BITUMINOUS CONCRETE GUTTER ITEM 334
Ramp D 4+00 - 4+75 LT

* 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+76

* GRANITE SLOPE EDGING 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 RT

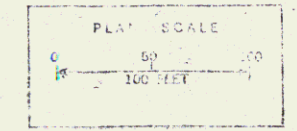
PROPERTY LINE FENCE
w/ STEEL POSTS, Item 503-D,
NB 3681+00 - 3681+85 RT
SB 3682+00 - 3690+00 LT
Ramp D 0+00 - 7+00 RT
The above stationed fence is to be erected
prior to the commencement of construction

STONE FILL FOR SLOPE
PROTECTION ITEM 342
SB 3689+10 - 3690+52 LT



END PROJ 191(20) BEGIN PROJ 191(23)
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 - 125 (51)
159 - 121 Interchange
Sheet 18 of 26
Sht. 113 of 242

*** BITUMINOUS CONCRETE GUTTER ITEM 554**
 SB 3694+71.52 - NB 3695+00 Lt
 3701+50 SB RT - NB Lt
 3701+50 NB Rt
 3699+50 - 3702+00 SB Lt
 3701+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
 N.B. 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' 17+00 - 17+37 Lt

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

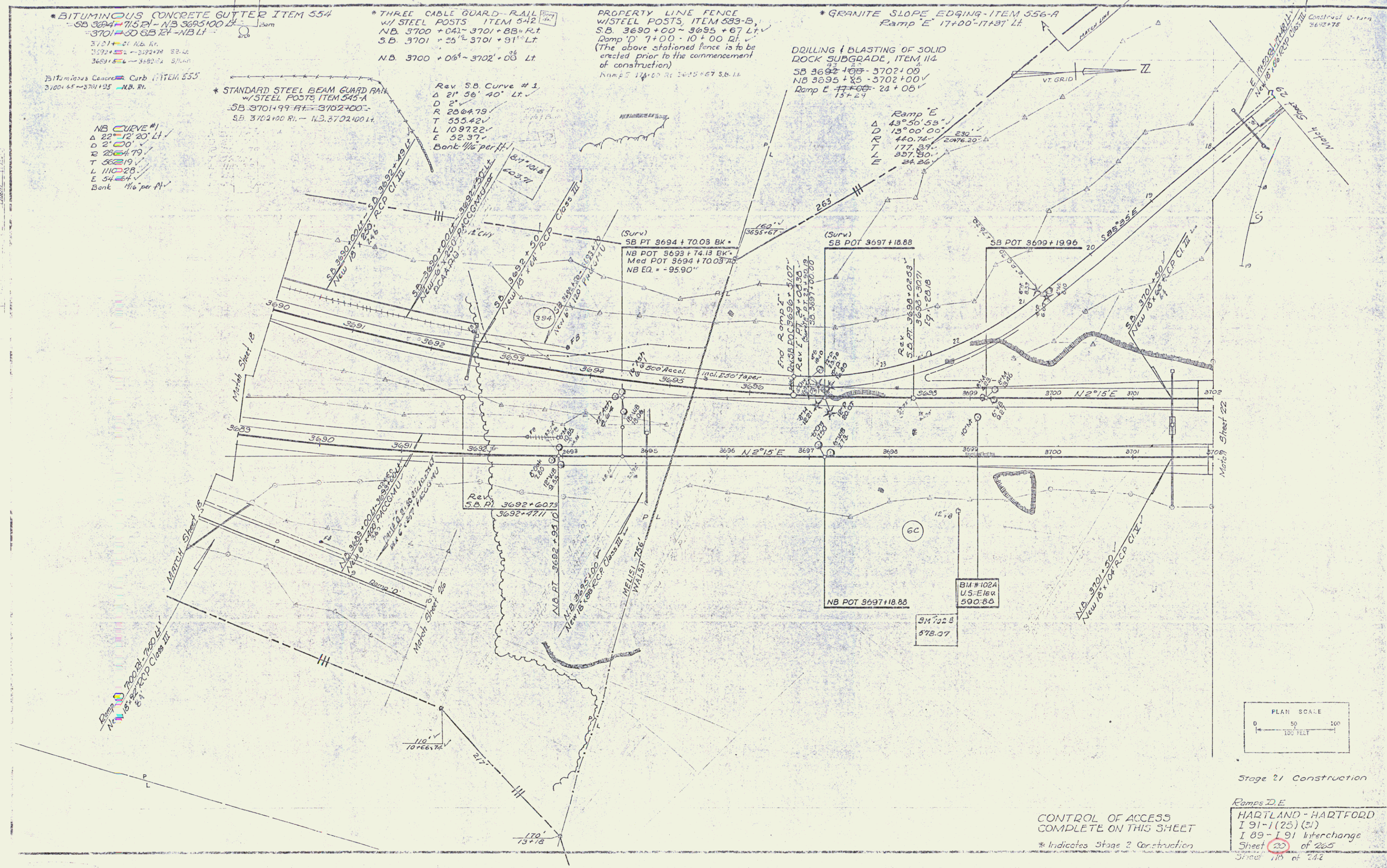
DRILLING & BLASTING OF SOLID ROCK SUBGRADE, ITEM 114
 SB 3692+16 - 3702+00
 NB 3695+85 - 3702+00
 Ramp E' 17+00 - 24+00
 13+24

BITUMINOUS CONCRETE CURB ITEM 555
 2100+45 - 3701+25 - NB, Rt

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

Rev SB 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.

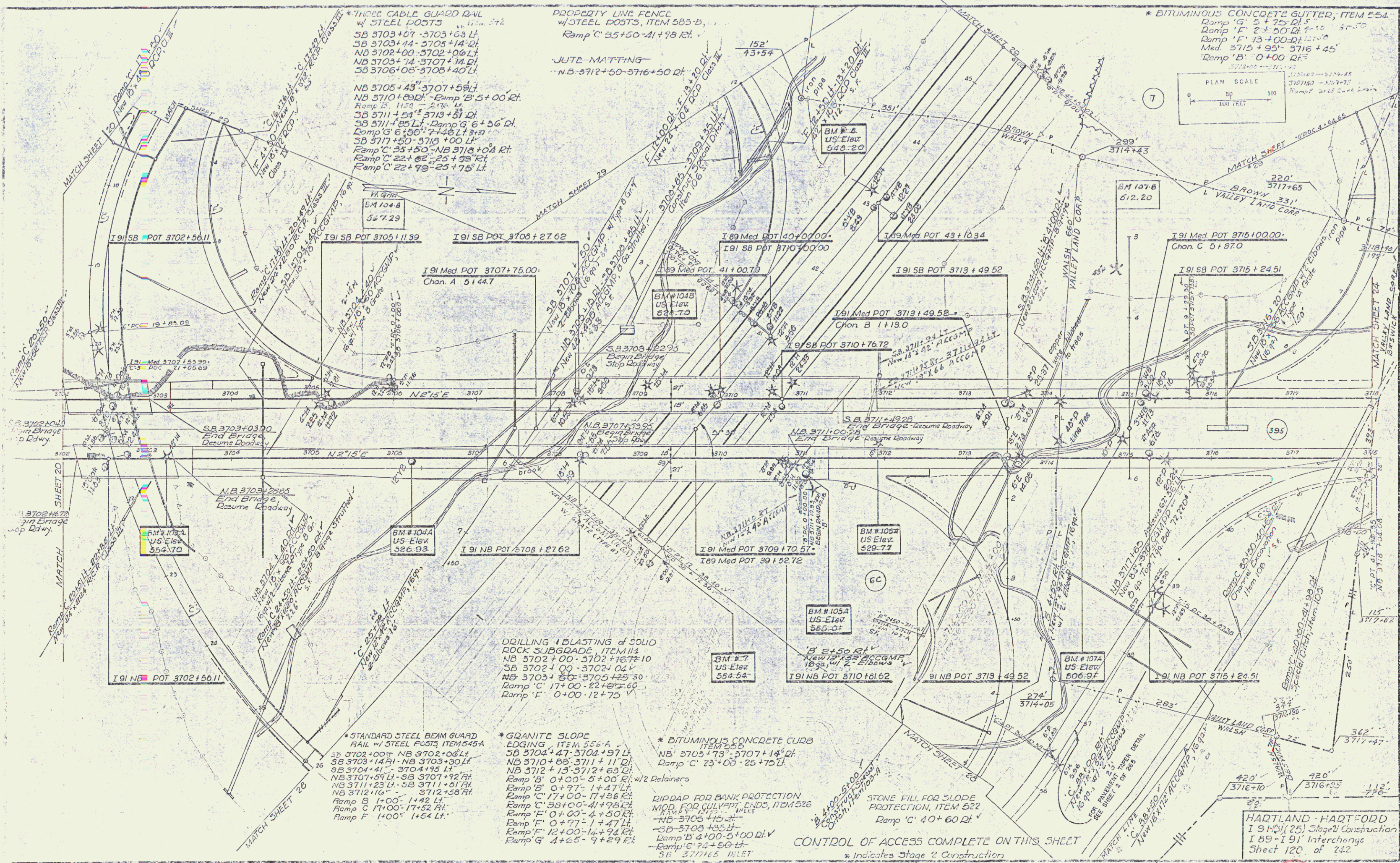
NB CURVE #1
 Δ 22° 12' 20" Lt
 D 2' 00"
 R 2804.79
 T 562.19
 L 1110.28
 E 54.24
 Bank 1/4% per ft.



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



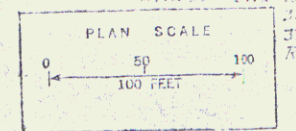
THREE CABLE GUARD RAIL
W/ STEEL POSTS
SB 3703+07-3703+63 Lt.
SB 3703+14-3705+14.2 Lt.
NB 3702+00-3702+06 Lt.
NB 3703+14-3707+14.2 Lt.
SB 3706+08-3706+40 Lt.

NB 3705+43-3707+59 Lt.
NB 3710+00- Ramp B 5+00 Rt.
Ramp B 1+50-2+16 Lt.
SB 3711+21-3713+81 Lt.
SB 3711+25 Lt. Ramp G 6+56 Lt.
Ramp G 6+56-7+46 Lt. 3+37
SB 3717+50-3718+00 Lt.
Ramp C 25+50-NB 3718+02 Rt.
Ramp C 22+62-25+25 Lt.
Ramp C 22+98-25+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 Lt.

* BITUMINOUS CONCRETE GUTTER, ITEM 554
Ramp G 5+75-21.5
Ramp F 2+50-21.5
Ramp F 13+00-21.5
Med 3715+95-3716+45
Ramp B 0+00-21.5



DRILLING & BLASTING of SOLID
ROCK SUBGRADE, ITEM 114
NB 3702+00-3702+16.72 10
SB 3702+00-3702+02 V
NB 3703+80-3705+25 30
Ramp C 17+00-22+62.60
Ramp F 0+00-12+75 V

* STANDARD STEEL BEAM GUARD
RAIL W/ STEEL POSTS ITEM 1046A
SB 3703+00-NB 3702+06 Lt.
SB 3703+14-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+54 Lt.

* GRANITE SLOPE
EDGING ITEM 555-A
SB 3704+47-3704+97 Lt.
NB 3710+88-3711+11 Lt.
NB 3712+13-3712+63 Lt.
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+00-2+50 Lt.
Ramp F 0+97-1+47 Lt.
Ramp F 12+00-14+92 Rt.
Ramp G 4+65-9+29 Lt.

* BITUMINOUS CONCRETE CURB
ITEM 555-B
NB 3705+79-3707+14 Lt.
Ramp C 23+00-25+75 Lt.

BIDDER FOR BANK PROTECTION
MOD. FOR CULVERT ENDS, ITEM 526
NB 3705+45 Lt.
SB 3708+35 Lt.
Ramp B 4+00-5+00 Rt.
Ramp C 7+4-8+0 Lt.
SB 3716.5 INLET

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

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

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

DRILLING & BLASTING OF SOLID ROCK, SUBGRADE
ITEM 114 H RAMP 4150-6450

Construct 3724+25

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

STONE FILL for SLOPE PROTECTION
ITEM 522
SB 3718+50 LH-Ramp 'H' 4+43 LH
Ramp 'H' 3+00 RL-SB 3724+00 LH
Ramp 'H' 6+50-7+13 RL

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

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

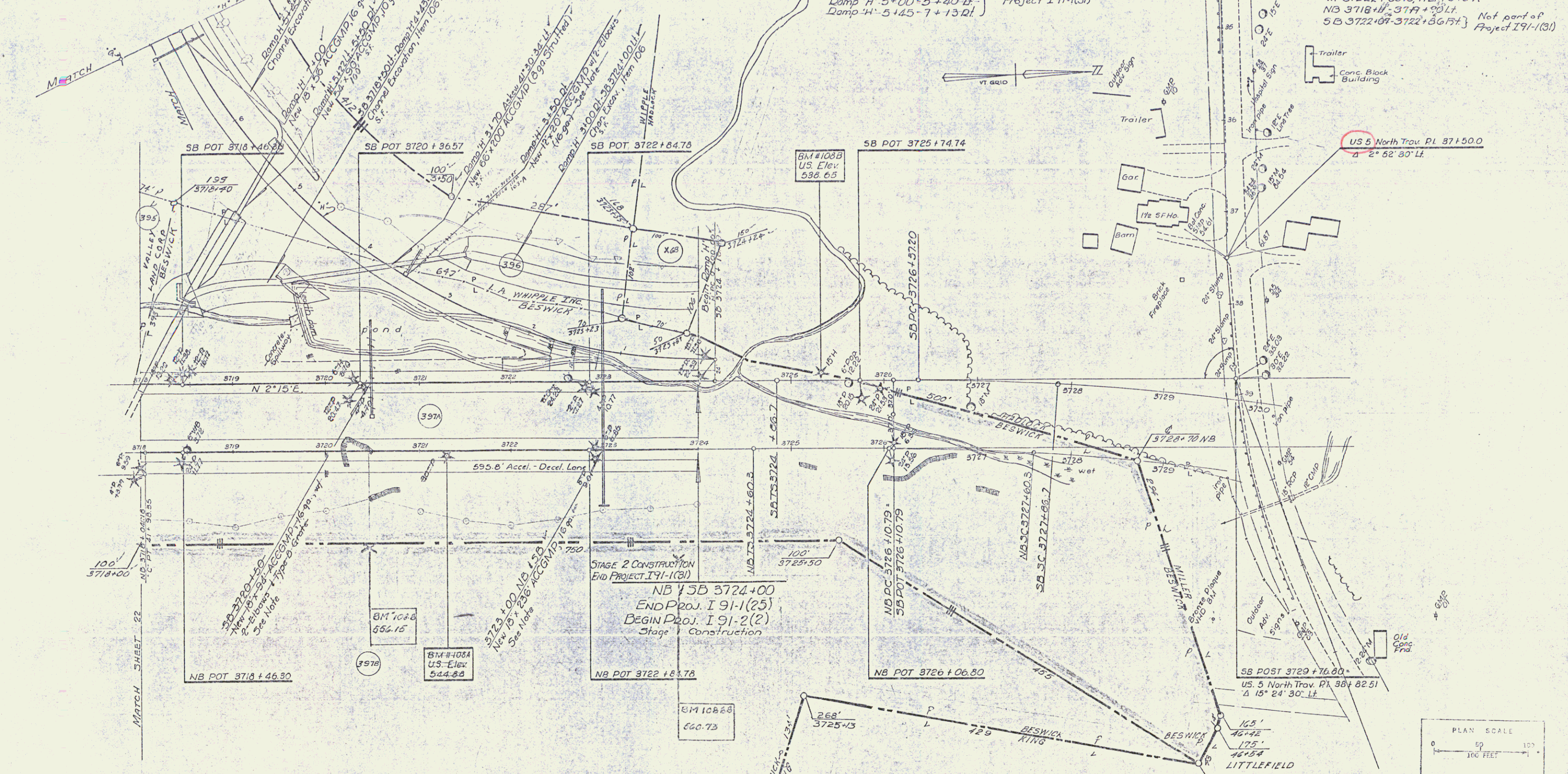
* GRANITE SLOPE EDGING,
ITEM 556-A
SB 3721+98-3722+148 LH
RAMP 'H' 1+65-2+15 LH

* STANDARD STEEL BEAM GUARD RAIL
w/ STEEL POSTS, ITEM 545-A
NB 3718+H-3719+00 LH
SB 3722+67-3722+86 LH

Not part of Project I 91-1(31)

Not part of Project I 91-1(31)

Not part of 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+00V
-Ramp 'H'-3+50

* BITUMINOUS CONCRETE CURB
ITEM 555

Not part of Project I 91-1(31) - Ramp 'H' 0+17-3+50 RL

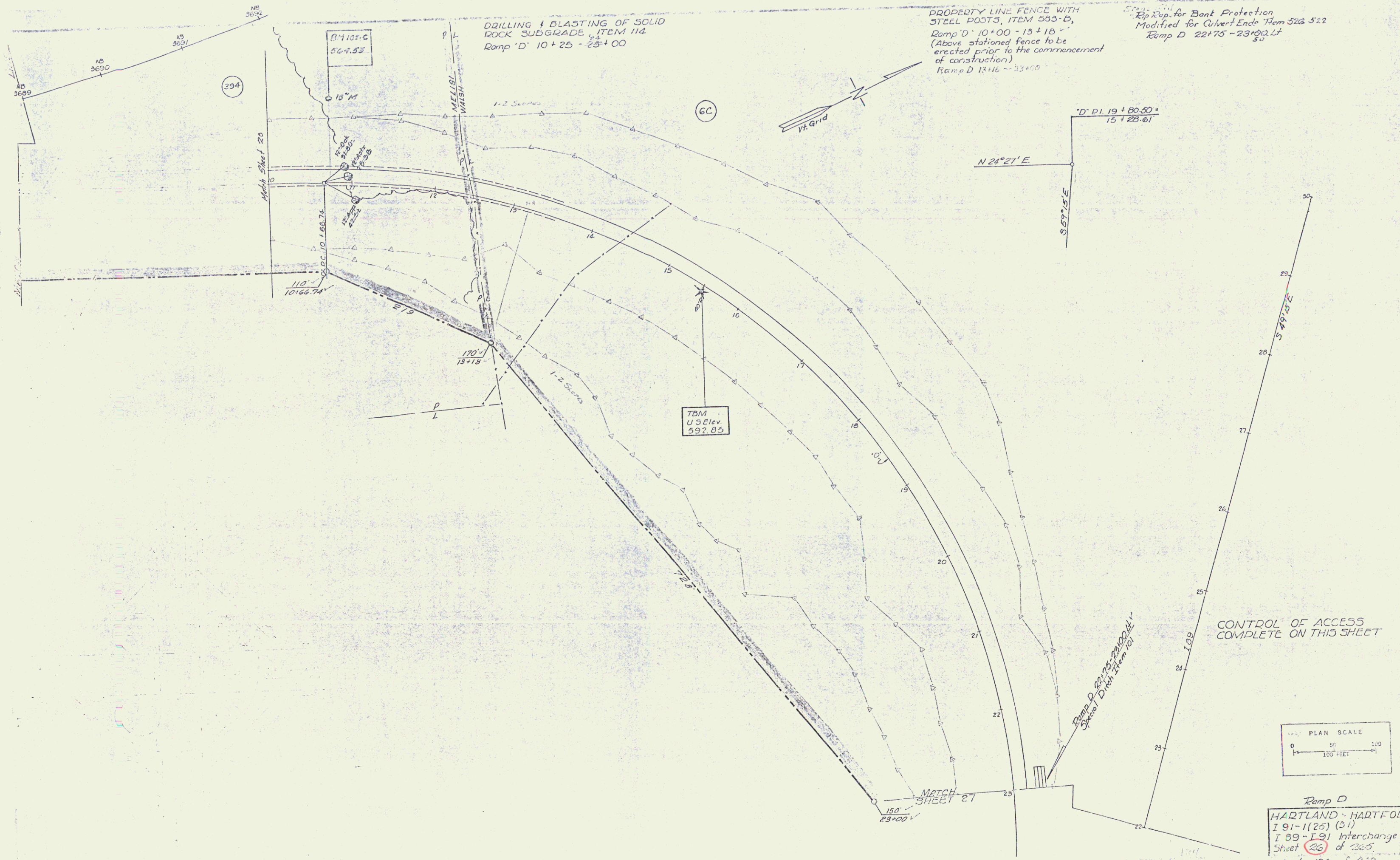
DRILLING & BLASTING OF SOLID ROCK
SUBGRADE, ITEM 114
Ramp 'H' 4+75-6+80

Bituminous Concrete Surface for Gutters
& Traffic Islands, ITEM 557
Ramp 'H' 1+51-1+52 RL

CONTROL OF ACCESS
COMPLETE ON THIS SHEET

* Indicates Stage 2 Construction

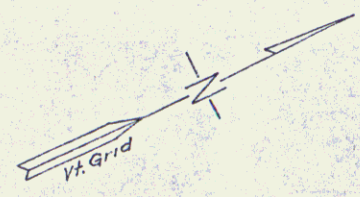
Stage 2 Construction
DAMP 'H'
HARTLAND - HARTFORD
I 91-1(31)
I 89-1(31) Interchange
Sheet 24 of
Sheet 122 of 244



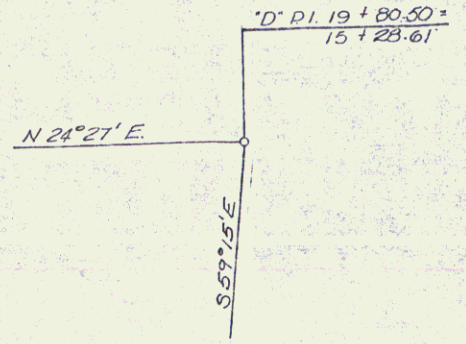
DRILLING & BLASTING OF SOLID
ROCK SUBGRADE, ITEM 114
Ramp 'D' 10+25 - 23+00

PROPERTY LINE FENCE WITH
STEEL POSTS, ITEM 583-D,
Ramp 'D' 10+00 - 13+18
(Above stationed fence to be
erected prior to the commencement
of construction)
Ramp 'D' 13+18 - 23+00

Exp. Rep. for Bank Protection
Modified for Culvert Ends Item 526 522
Ramp 'D' 22+75 - 23+00 Lt

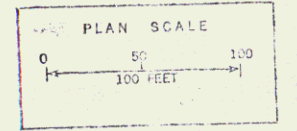


6C



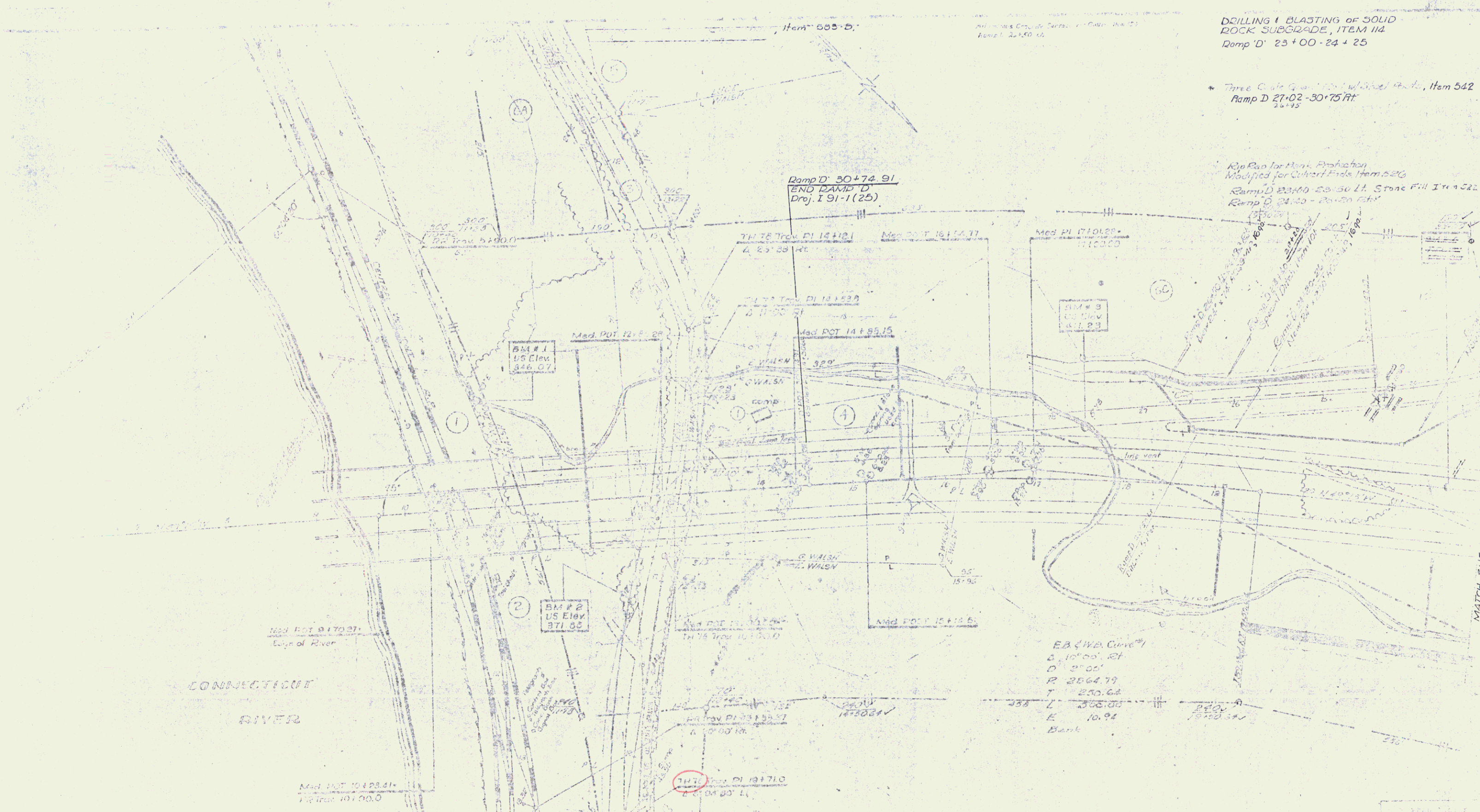
TBM
U.S. Elev.
592.89

CONTROL OF ACCESS
COMPLETE ON THIS SHEET



Ramp D
HARTLAND - HARTFORD
I 91-1(25) (31)
I 89-I 91 Interchange
Sheet 26 of 265
Sheet 124 of 242

58



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

* Three Cuts (See Item 542)
Ramp D' 27+02 - 30+75.75
25+15

Rip Rap for Bank Protection
Modified for Culvert Ends Item 526
Ramp D 23+00 - 24+25 Lt. Stone Fill Item 522
Ramp D 24+25 - 25+15

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 283.3
 Ramp A 21+99-33+55 RT
 Ramp C 33+55-35+50 RT

* Granite Slope Edging, Item 556-A
 Ramp A 25+71-34+31, LT
 Ramp B 5+00-12+35 RT w/ Retainer

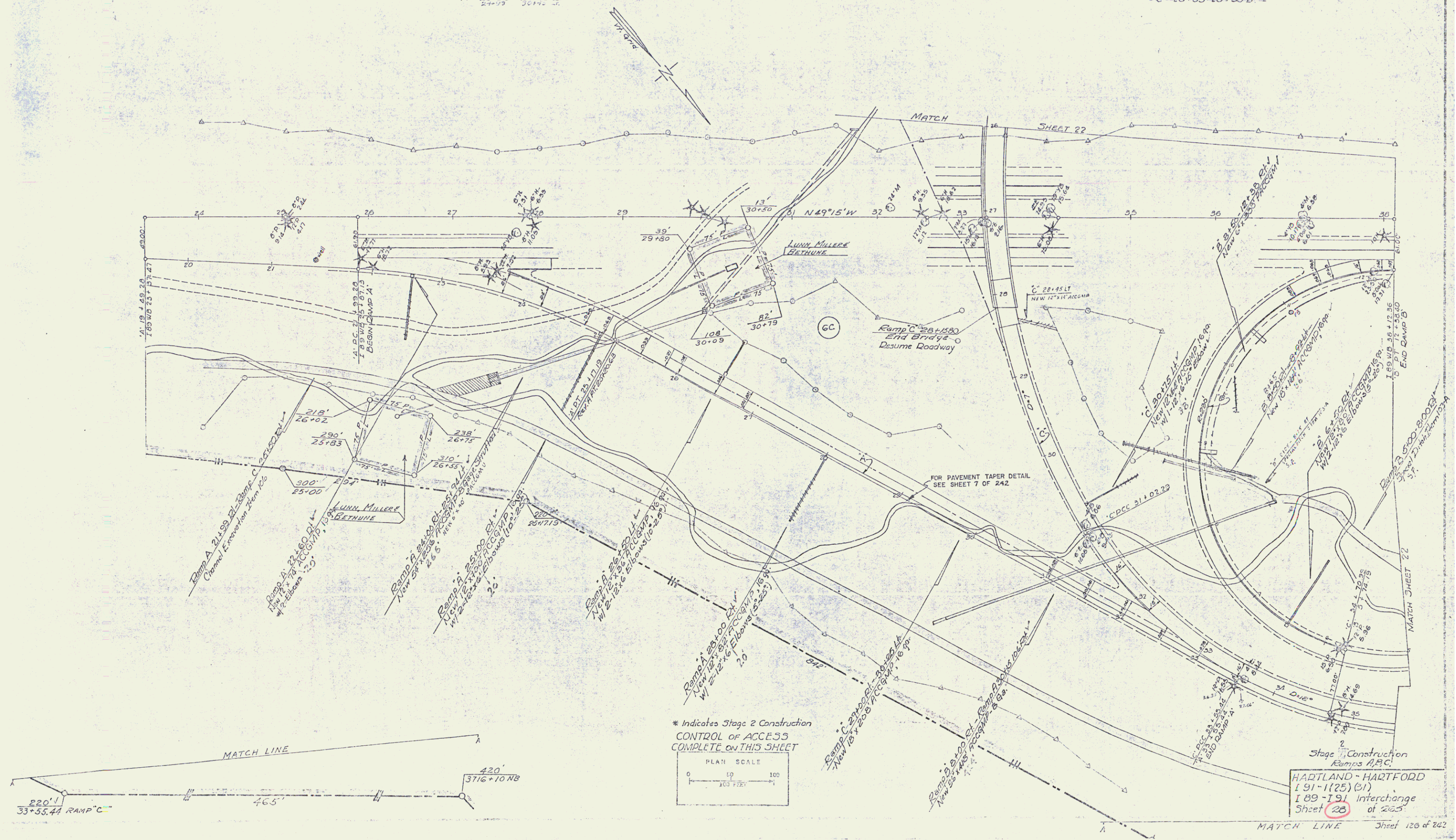
* Three Cable Guard Rail w/ Steel Posts
 A 21+99-25+50 RT, Item 542
 B 5+00-8+00 RT
 C 28+27-30+59 RT
 A 25+50-29+95 LT

Jute Matting Item 283
 C 30+25-30+25 LT
 C 27+75-30+75 RT
 B 6+50 RT

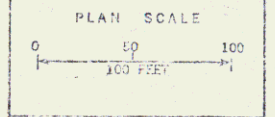
* Bituminous Concrete Curb Item 555
 Ramp A 21+99-21+50 RT
 Ramp A 26+30-29+05 LT
 Ramp C 28+31-30+75 LT

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

* Bituminous Concrete Gutters Item 554
 Curb Drains
 B 10+80 RT
 C 28+35-29+55 LT



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



Stage 2 Construction
 Ramps A, B, C
 HADTLAND - HARTFORD
 I 91-1(25) (31)
 I 89-191 Interchange
 Sheet 28 of 225

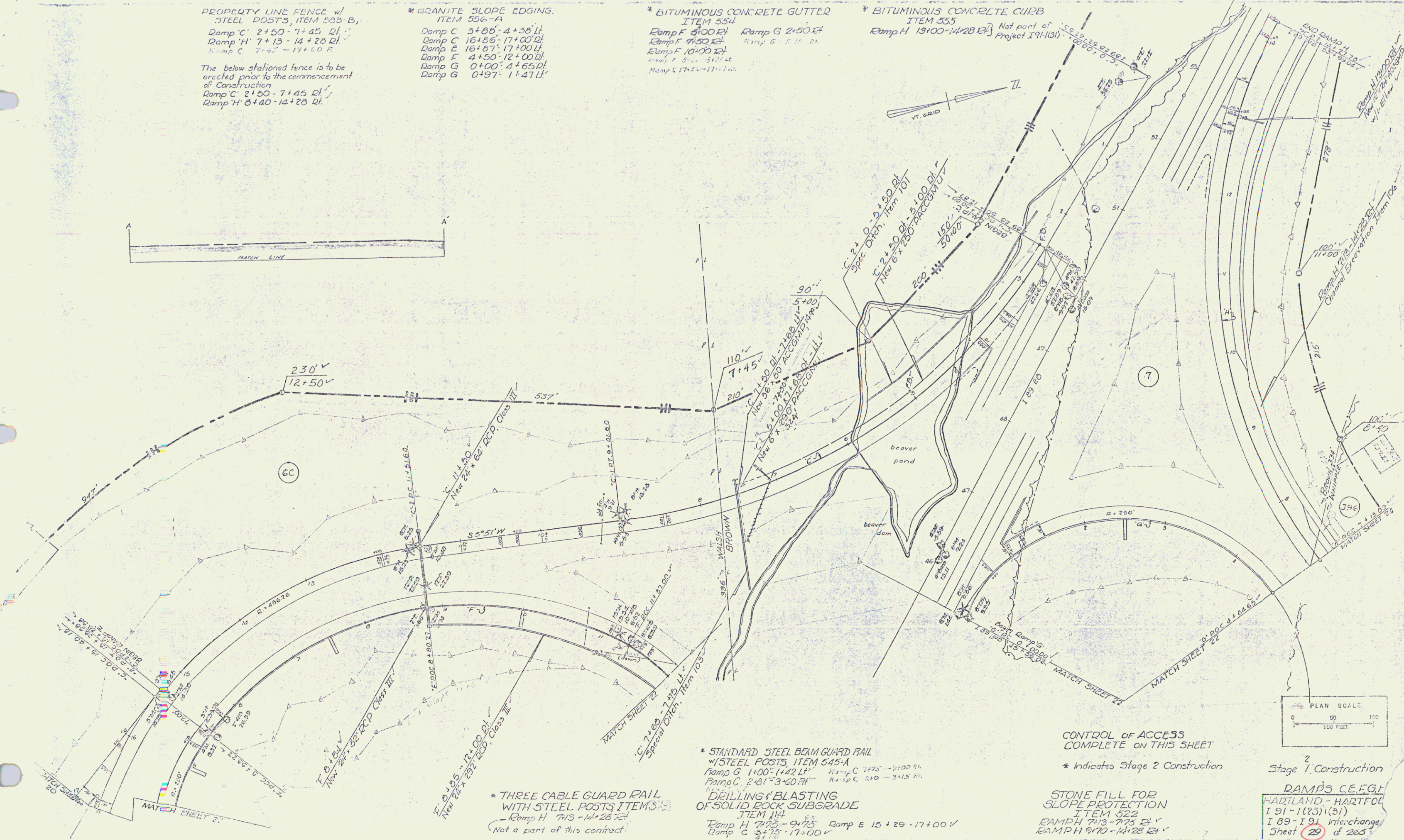
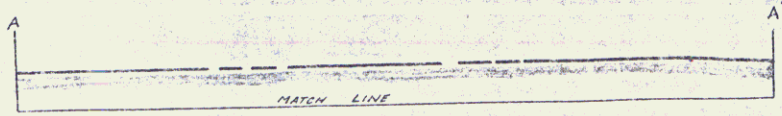
PROPERTY LINE FENCE w/
STEEL POSTS, ITEM 555-B,
Ramp C' 2+50-7+45 RL
Ramp H' 7+13-14+28 RL
Ramp C' 7+45-17+00 R

The below stationed fence is to be
erected prior to the commencement
of construction
Ramp C' 2+50-7+45 RL
Ramp H' 8+40-14+28 RL

* GRANITE SLOPE EDGING,
ITEM 556-A
Ramp C 3+88-4+38 RL
Ramp C 16+86-17+00 RL
Ramp E 16+87-17+00 RL
Ramp F 4+50-12+00 RL
Ramp G 0+00-4+65 RL
Ramp G 0+97-1+47 RL

* BITUMINOUS CONCRETE GUTTER
ITEM 554
Ramp F 6+00 RL
Ramp F 7+50 RL
Ramp F 10+00 RL
Ramp G 5+40 RL
Ramp G 17+5-17+15

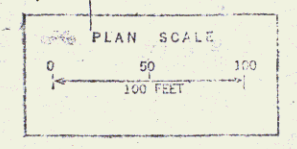
* BITUMINOUS CONCRETE CURB
ITEM 555
Ramp H 13+00-14+28 RL
Not part of Project I 91-1(3)



* THREE CABLE GUARD RAIL
WITH STEEL POSTS ITEM 545-A
Ramp H 7+13-14+28 RL
Not a part of this contract

* STANDARD STEEL BEAM GUARD RAIL
WITH STEEL POSTS, ITEM 545-A
Ramp G 1+00-1+42 RL
Ramp C 2+81-3+40 RL
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 CE, EGI
HARTLAND - HARTFOL
I 91-1(23)(21)
I 89-I 91 interchange
Sheet 29 of 265
Sheet 12 of 242

61