

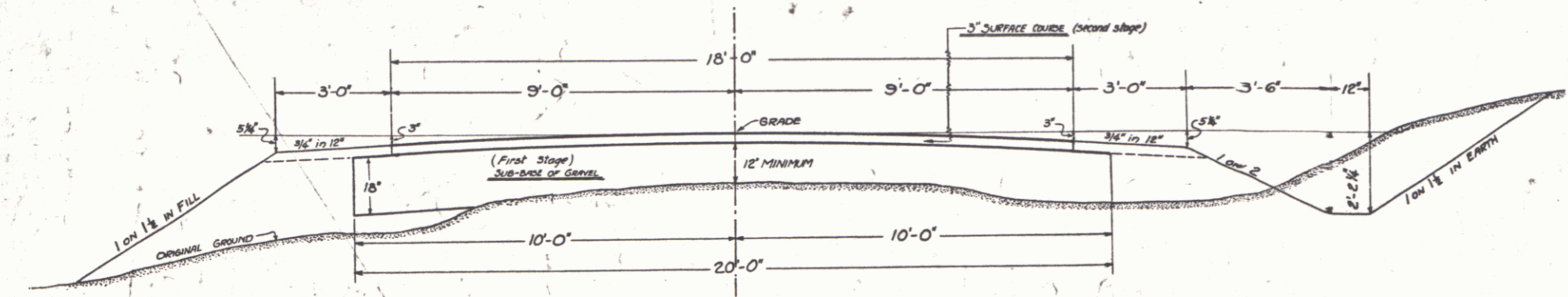
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20	3-21 BOX CULVERTS
21	3-22 GUARD RAIL ETC.
21-A	STANDARD CULVERT SHEET 3C-1
22-47	CROSS SECTION SHEETS

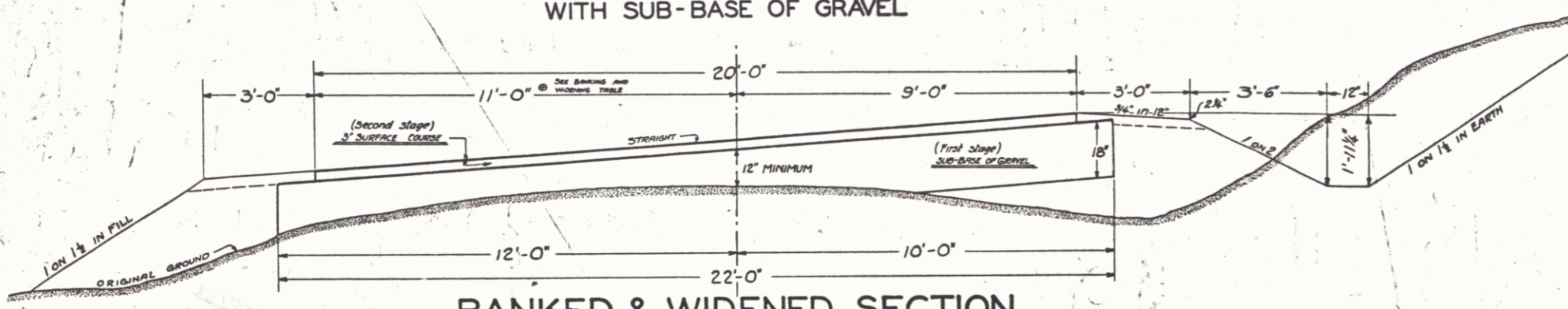
**TYPICAL SECTIONS
MIXED IN PLACE SURFACE**

**TOWN OF
NEW HAVEN-WALTHAM**
Project 1930
Pin # 00R536
Route VT17
Date 1/1/1930

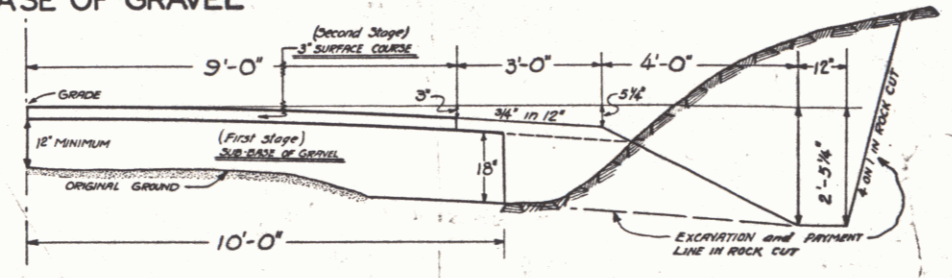
FED. ROAD DIST. NO.	STATE	PROJ. NO.	SERIAL SHEET NO.
9	VT.		



**NORMAL SECTION
WITH SUB-BASE OF GRAVEL**



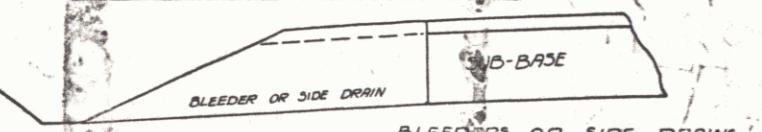
**BANKED & WIDENED SECTION
WITH SUB-BASE OF GRAVEL**



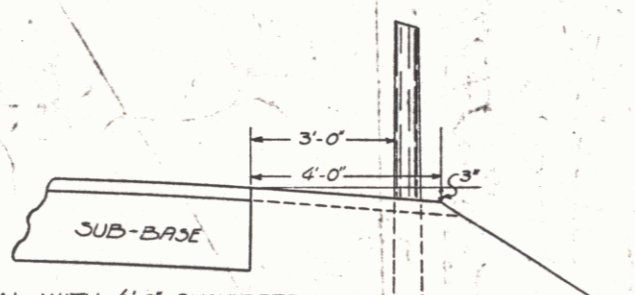
**NORMAL SECTION SHOWING ROCK CUT
WITH SUB-BASE OF GRAVEL**

12" SUB-BASE OF GRAVEL IS TO BE USED ON FILL SECTIONS AS INDICATED ON THE LAYOUTS

Weybridge 1930
Weybridge-New Haven-Waltham-New Haven Road Project

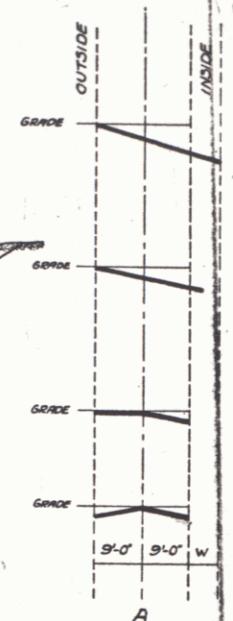


BLEEDERS OR SIDE DRAINS
BLEEDERS OR SIDE DRAINS FROM SUB-BASE TO DITCH TO BE CONSTRUCTED AT 50' INTERVALS, AND SO PLACED AS TO PROPERLY DRAIN BOTH SIDES OF THE ROAD. DEPTH OF DRAIN = 3'-0" THICKNESS OF DRAIN = THICKNESS OF SUB-BASE. CONSTRUCTION METHODS AND PAYMENT TO BE SAME AS FOR SUB-BASE.



SECTION WITH 4'-0" SHOULDERS
THE 4" SHOULDER IS TO BE USED AT CULVERTS WHERE A 24'-0" SECTION OF GUARD RAIL IS USED.

New Haven Waltham New Haven
STA 193+00 MP 0.810 STA 271+50 MP 2.37 MP 0.000 STA 281+00 MP 0.764 MP 2.419 STA 293+75 MP 3.455



Super-elevation obtained by bringing outside edge of pavement to grade and lowering inside edge until required slope is obtained.

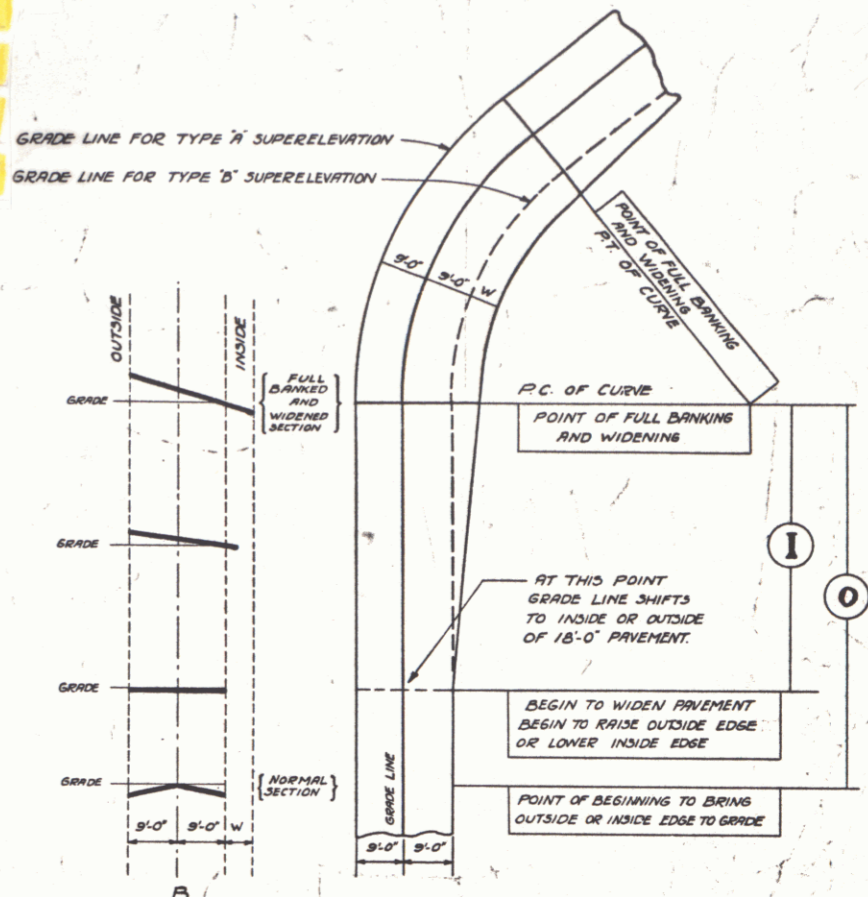


TABLE FOR TYPE A & B SUPERELEVATION AND WIDENING OF CURVES

DEGREE OF CURVE	SLOPE OF PAVEMENT	TRANSITION FROM 1% TO 1% FROM TO	W	1	0
3'-0"	5'-0"	3/8"	NONE	130	170
5'-0"	6'-0"	3/4"	2'-0"	130	170
6'-0"	8'-0"	7/8"	2'-0"	140	180
9'-0"	14'-0"	1"	2'-0"	150	190
14'-0"	UP	1 1/2"	3'-0"	170	210

RI... DIVISION
TOWN FILE
PERPETUAL
Town of...
(To Be Returned To R.O.W. Division)

SHOULDER SHALL BE CONSTRUCTED OF SUITABLE MATERIAL AND THOROUGHLY ROLLED OR SATISFACTORILY COMPACTED. THE WORK SHALL BE CONSIDERED AS SUBSIDIARY WORK RESTRICTING TO EXCAVATION OR BORROWING. SEE PARAGRAPH - B ITEM 10 - PARAGRAPH 106. DRIVEWAYS TO BE CONSTRUCTED SO AS TO PROVIDE SATISFACTORY APPROACHES TO PAVEMENT AT LOCATIONS SHOWN ON CROSS SECTIONS OR AS MAY BE DIRECTED BY THE ENGINEER. DRIVEWAY CULVERTS TO BE RETAINED AND RELIED IF NECESSARY. ONLY THE CULVERT HEADWALLS, AND BOX CULVERTS WHICH ARE ABSOLUTELY ESSENTIAL TO TAKE CARE OF THE DRAINAGE THROUGH THE WINTER, ARE TO BE CONSTRUCTED AS PART OF THE FIRST STAGE OF THE PROJECT.

THE ATTENTION OF THE ENGINEER IS CALLED TO THE USE OF SUB-BASE OF GRAVEL UNDER CULVERTS AND THE BACKFILLING OF THE CULVERT TRENCH WITH GRAVEL AT SUCH LOCATIONS AS ARE INDICATED ON THE CROSS SECTIONS AND AT SUCH OTHER CULVERTS AS THE ENGINEER MAY DEEM ADVISABLE. ALL BORROW BANKS SHALL BE STRAPPED TO THE SATISFACTION OF THE ENGINEER.

EXTENSIONS TO THE PRESENT CONCRETE BOX CULVERTS ARE TO BE DOWELLED TO THE PRESENT CULVERT WITH 1/2" DEFORMED BARS 3'-0" LONG 12" DEWELLS ARE TO EXTEND AT LEAST 12" INTO THE PRESENT CULVERT AND BE PROPERLY GROUTED.

THE ATTENTION OF THE ENGINEER IS CALLED TO THE REMOVAL OF '300.0' M.

SECTION AREAS IN SQUARE FEET

ITEM	NORMAL	WIDENED
3" SURFACE COURSE	4.50	5.25

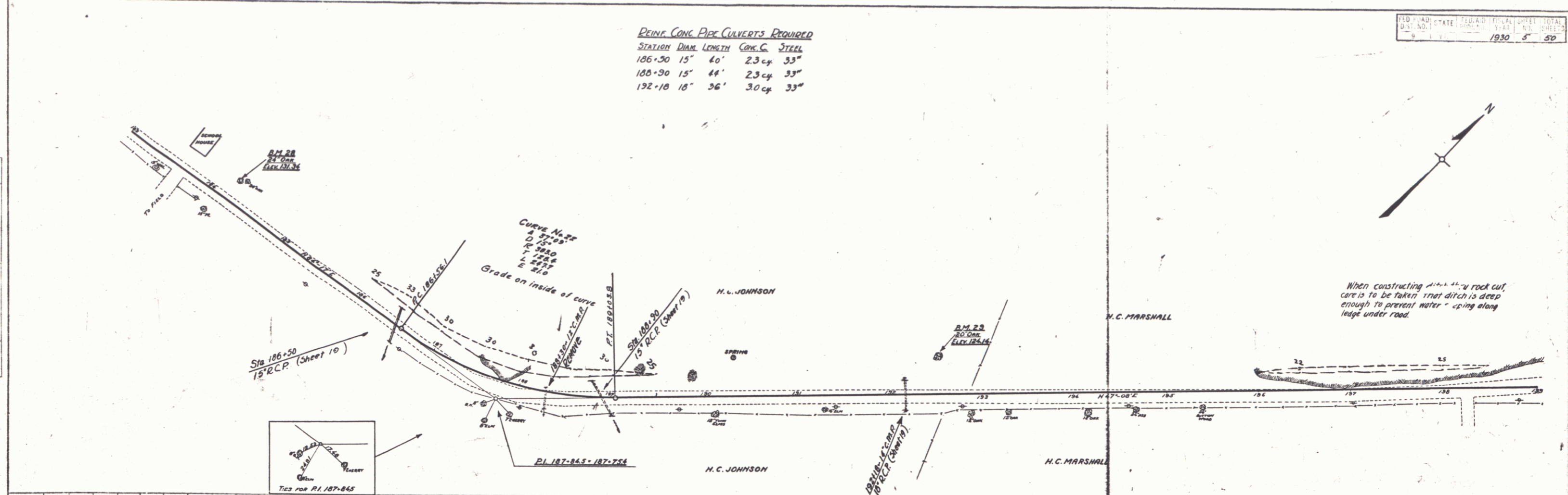
Surveyed by
Designed by A.J. RUNNINS
Drawn by J.E.E.
Traced by J.E.E.
Checked by
Series No. Filed
Sheet 1 of 50 Sheet

DIST. # 5 PLANS

PLAIN CONC PIPE CULVERTS PROVIDED

STATION	DIAM.	LENGTH	CONC.	STEEL
106+50	15"	40'	2.3 cy	33"
108+30	15"	44'	2.3 cy	33"
192+10	18"	36'	3.0 cy	33"

PLAN
 DRAWN BY
 CHECKED BY
 DATE



PROFILE
 DRAWN BY
 CHECKED BY
 DATE

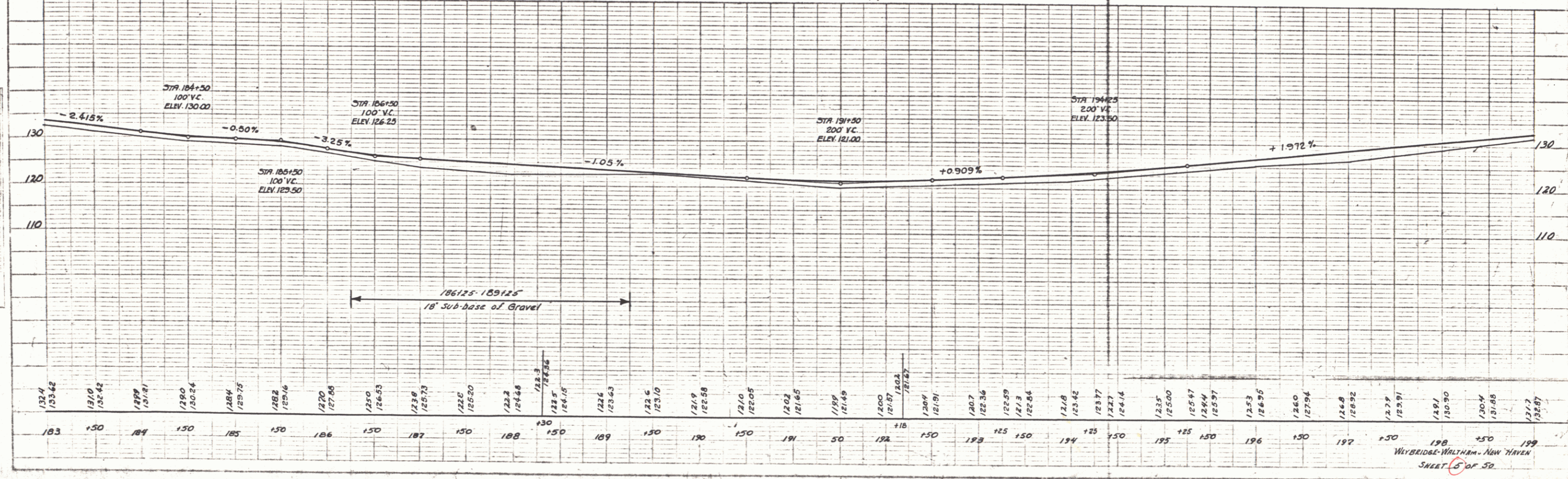
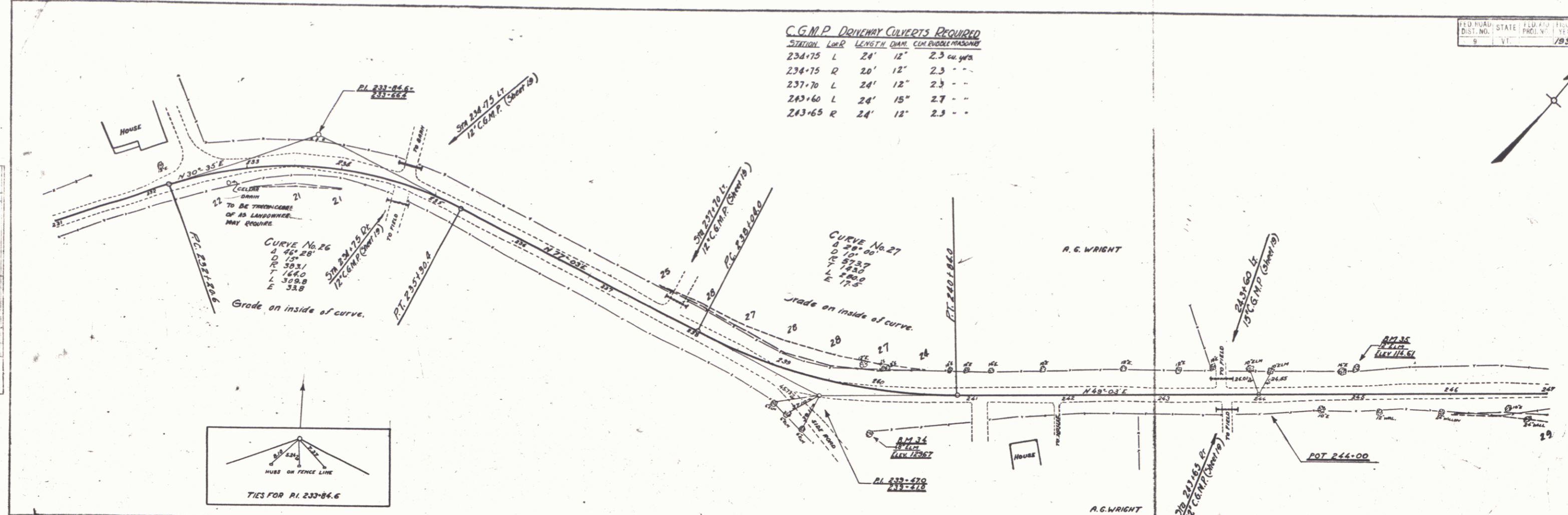


PLATE 1 - REAR PROFILE - P.P.S. & EXP. DIV.
 W.D. 11-1-1930, NEW HAVEN, CT.

C.G.M.P. DOWNGRADE CULVERTS REQUIRED

STATION	LEN. R.	LENGTH	DIAM.	CURVE	CONSTRUCTION
234+75	L	24'	12"	2.3	cu. yds.
234+75	R	20'	12"	2.3	-
237+70	L	24'	12"	2.3	-
243+60	L	24'	15"	2.7	-
243+65	R	24'	12"	2.3	-

PLAN
 REVISIONS
 DATE MADE
 DRAWN BY
 CHECKED BY
 IN CHARGE



PROFILE
 REVISIONS
 DATE MADE
 DRAWN BY
 CHECKED BY
 IN CHARGE

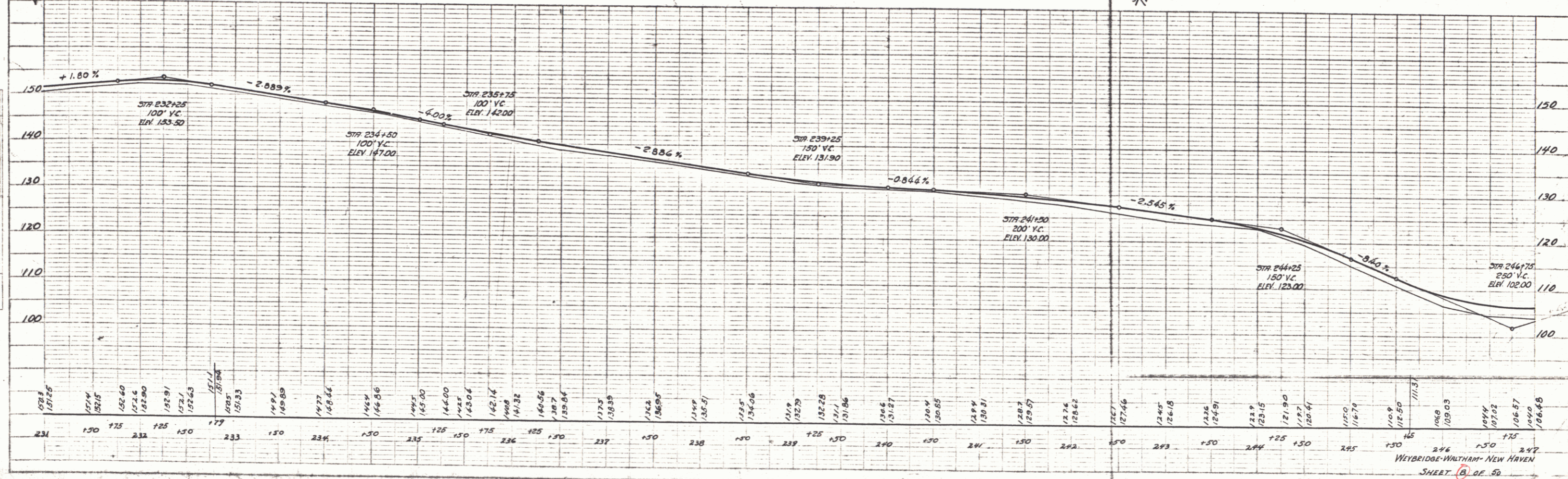


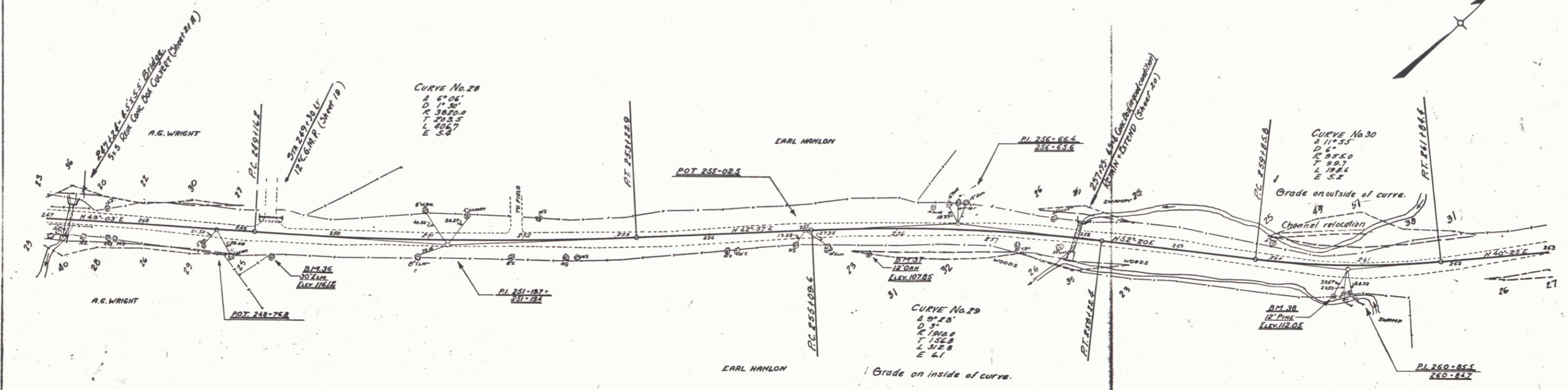
PLATE 1 - PLAN PROFILE & P.M.S. & C. STATIONS
 REVISIONS & DATE MADE

REIN. CONC. BOX CULVERTS REQUIRED
 STATION SIZE CONC. B. STEEL
 247+24 3'x5' 30.3 cy. 2018"

C.M.P. DRINKING CULVERTS REQUIRED
 STATION SIZE LENGTH
 249+30 12" 24' 2.3 cu. yd.

CULVERT REPAIRS REQUIRED
 STATION NATURE OF REPAIRS CONC. B. STEEL
 257+95 Extension of Box 12.7 cu. 600"
 6' Lx, 7' H.

PLAN
 SCALE
 1" = 40'



PROFILE
 SCALE
 1" = 10'

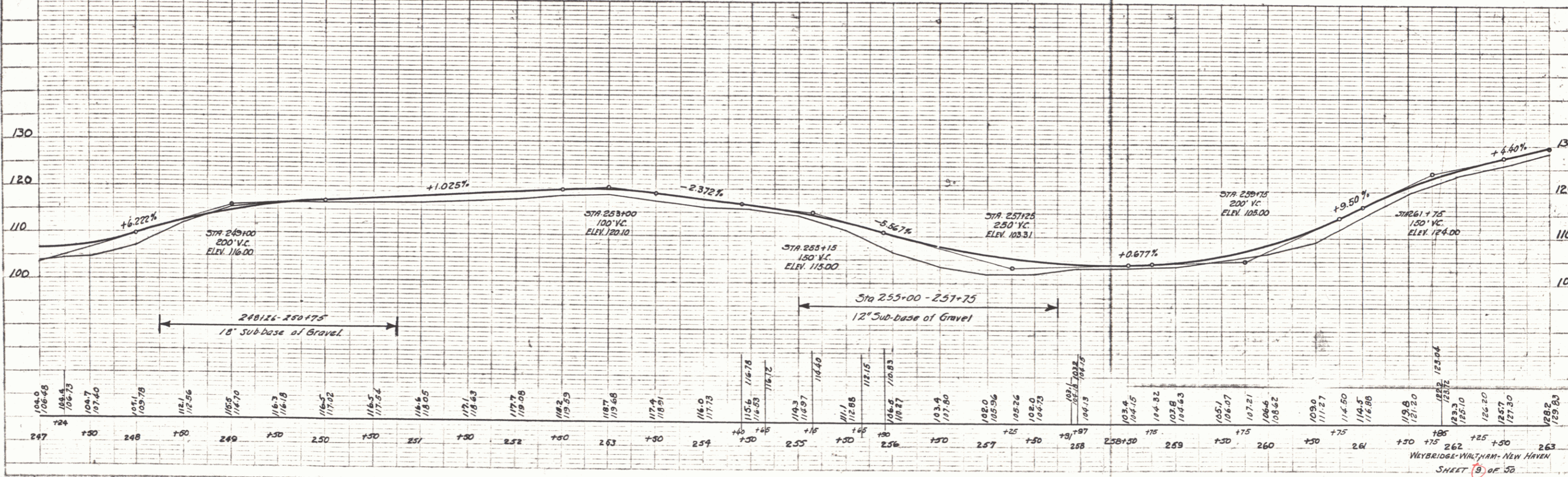
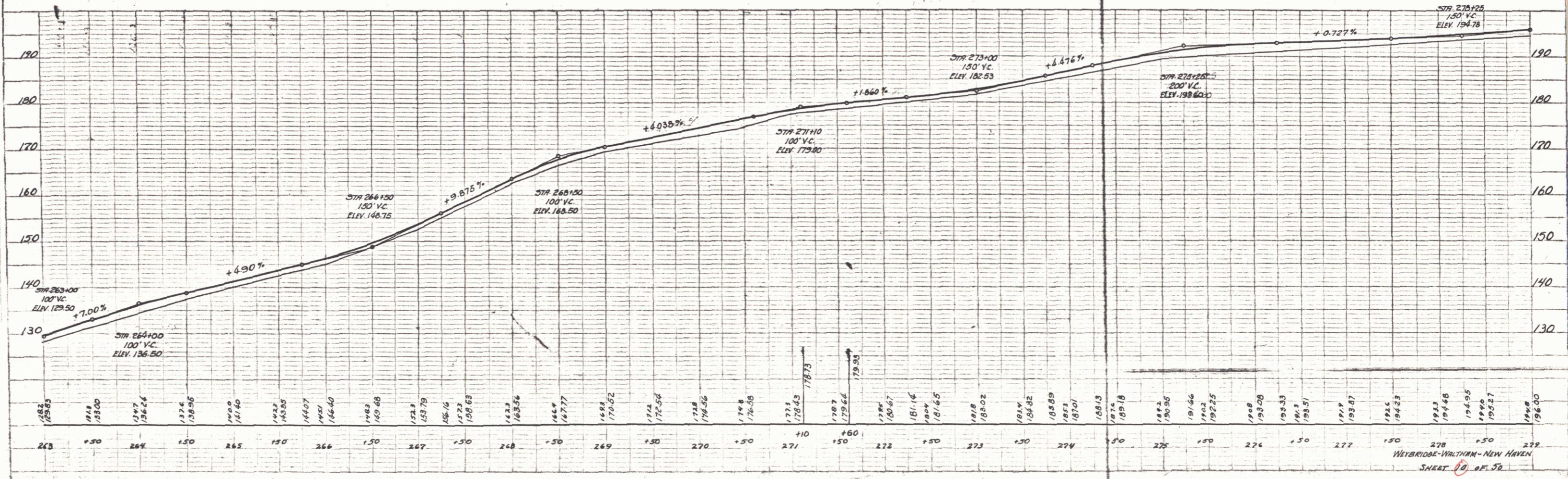
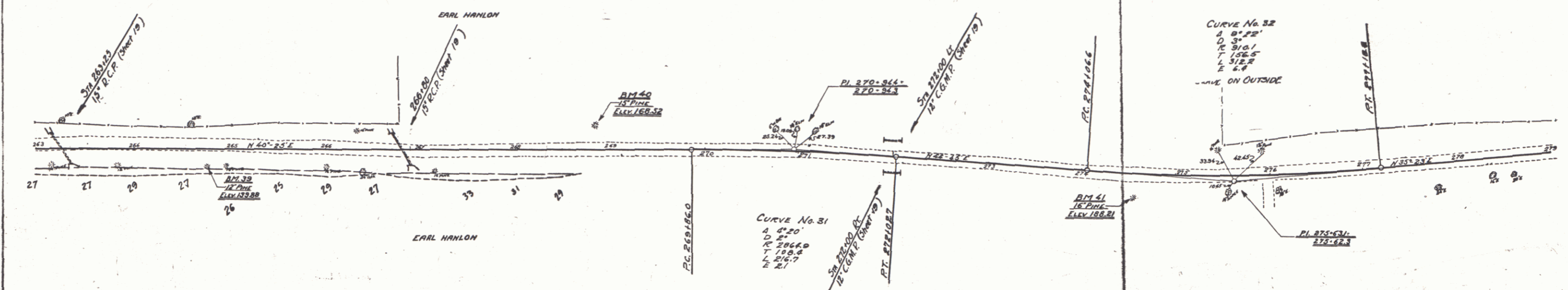


PLATE 1 - PLAN PROFILE OF R & R BRIDGE
 HUNTER & LITTLE, INC. 1950

6

REIN. CONC. PIPE CULVERTS REQUIRED				C.G.M.P. DRAINAGE CULVERTS REQUIRED			
STATION	DIAM.	LENGTH	CONC. A STEEL	STATION	SIZE	LENGTH	CUBIC YDS.
263+25	15" 40"	1.0 L _y	54'	272+00 LT	12" 18"	2.3	cuyds.
266+00	15" 40"	1.8 L _y	54'	272+00 RT	12" 18"	2.3	cuyds.



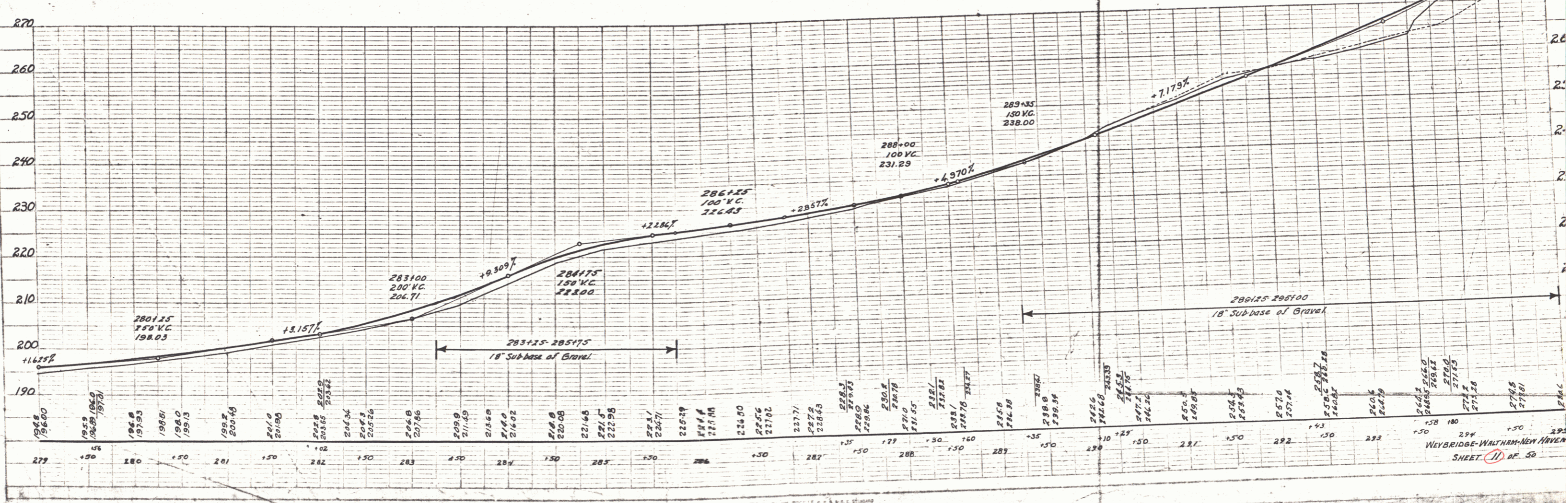
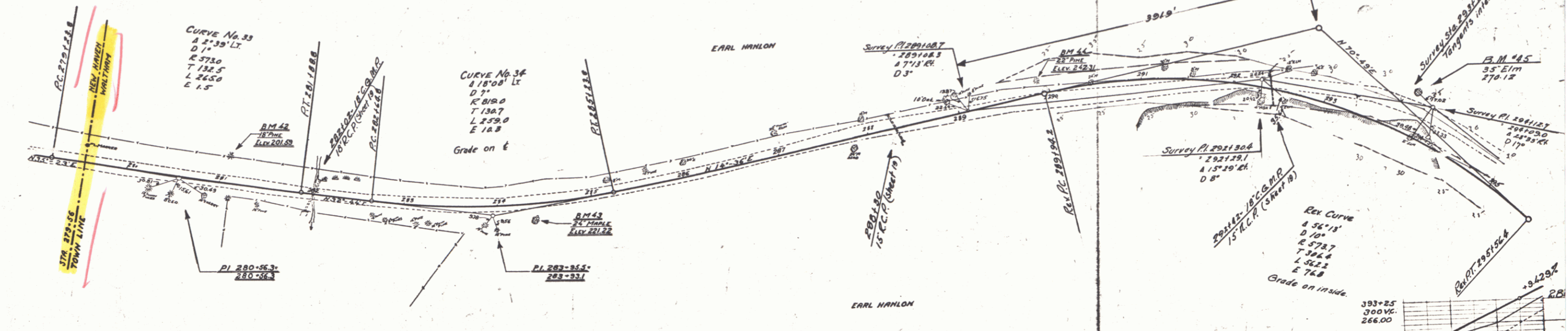
PLAN

DATE	1930
BY	...
SCALE	...

PROFILE

DATE	1930
BY	...
SCALE	...

DEFINING CONC. PIPE CONVERTS REQUIRED
 STATION DATA LENGTH CONC. & CONC. STEEL
 202+02 18' 36" 1.0 cy 54"
 208+30 15' 36" 1.9 1.24 92"
 292+42 15' 48" 1.9 1.2 92"



PLAN
 SCALE: 1" = 40'
 NOTE: SHOW ALL CONCRETE CURVES
 WITH DIMENSIONS AND GRADES

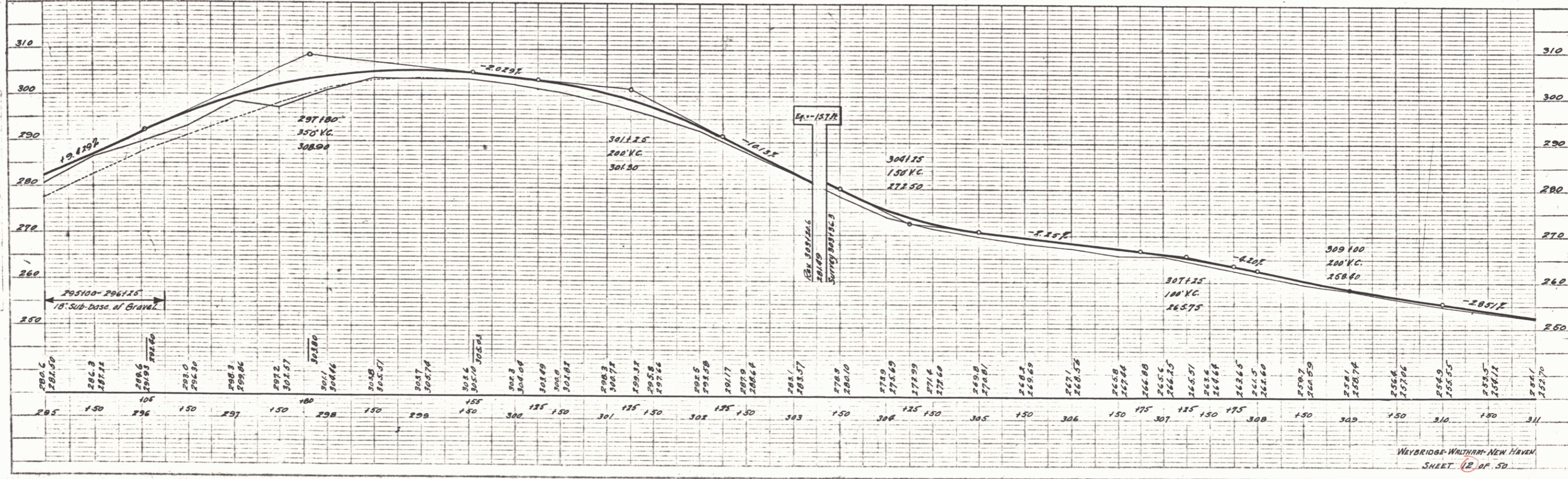
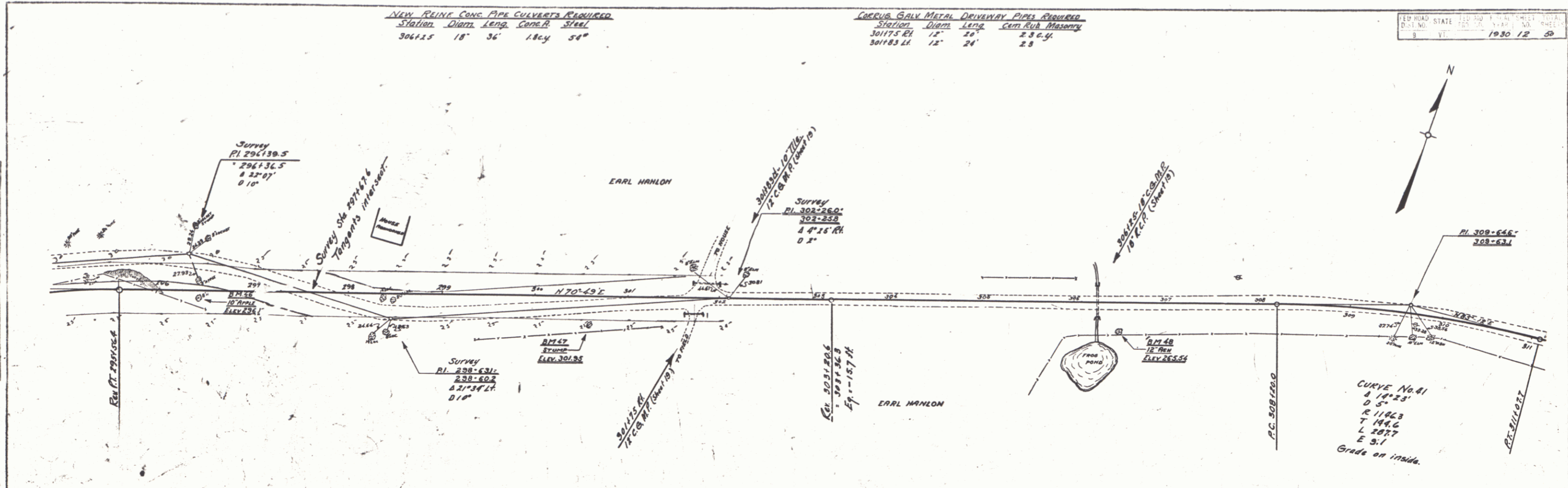
PROFILE
 SCALE: 1" = 10'
 NOTE: SHOW ALL CONCRETE CURVES
 WITH DIMENSIONS AND GRADES

NEW RAINING CONC PIPE CULVERTS REQUIRED
 Station Diam Leng. Conc R Steel
 306125 18' 36" 18x4 54"

CONCRETE GALV METAL DRIVEWAY PIPES REQUIRED
 Station Diam Leng. Cem Rub. Masonry
 301195 12' 24" 2.8 c.y.
 301183 24' 24" 2.8

FED. ROAD STATE 120 500 1 1/4 4 1/2 SHEET TOTAL
 DIST. NO. 121 1/2 1 1/2 1 1/2 NO. SHEETS
 8 VT 1930 12 50

PLAN
 DATE
 BY
 CHECKED
 APPROVED
 TITLE
 PROJECT
 SHEET NO.



WATERBURY-WALTHAM-NEW HAVEN
 SHEET 12 OF 50

NEW RAIN CONC. PIPE CULVERTS REQUIRED

Station	Diagl	Lang	Conc.	Shel
3131.50	15'	40"	10% S	75"
3161.75	18'	36"	18"	66"
3201.27	18'	36"	18"	27"

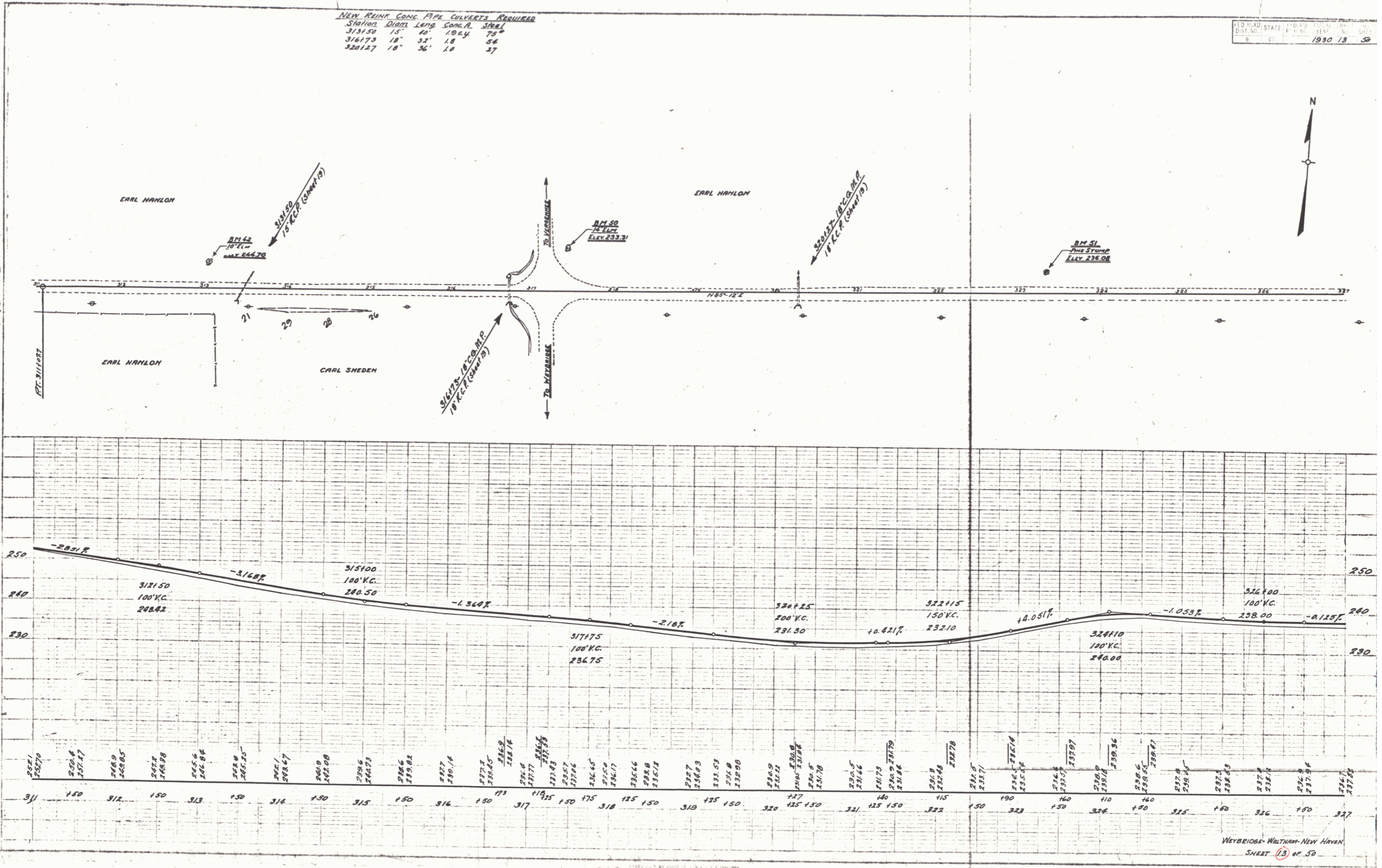
FED. ROAD DIST. NO. STATE ROAD NO. COUNTY DIST. SHEET NO. DATE
 1930 18 50

PLAN

DATE	1930
BY	W. H. BROWN
CHECKED	
APPROVED	

PROFILES

DATE	1930
BY	W. H. BROWN
CHECKED	
APPROVED	



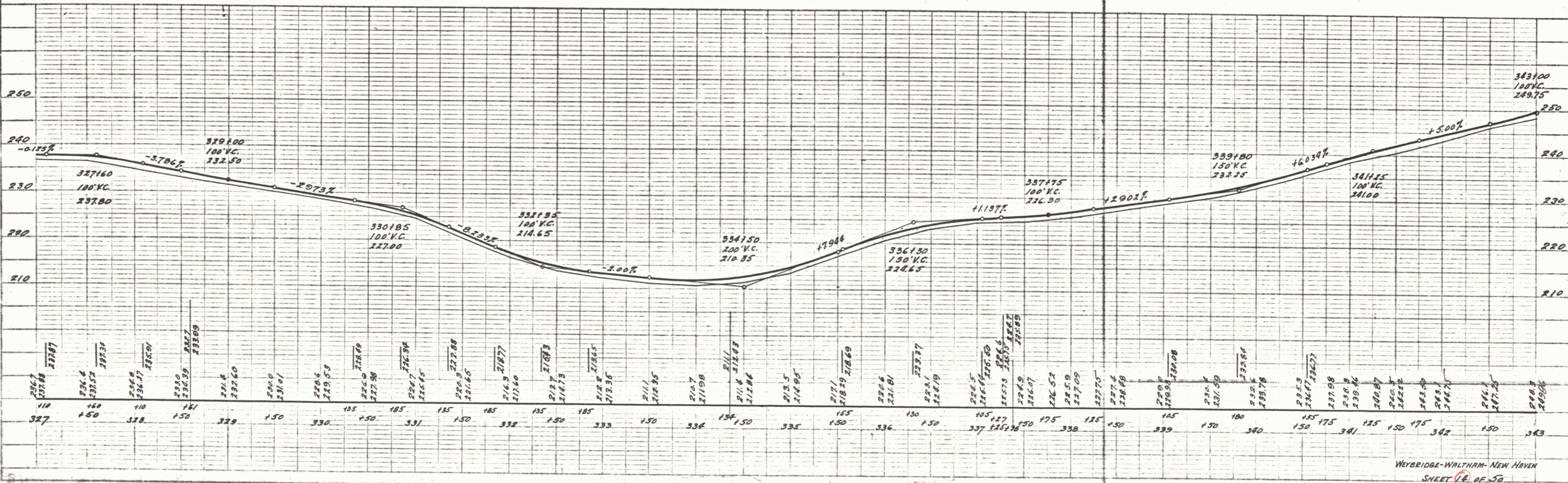
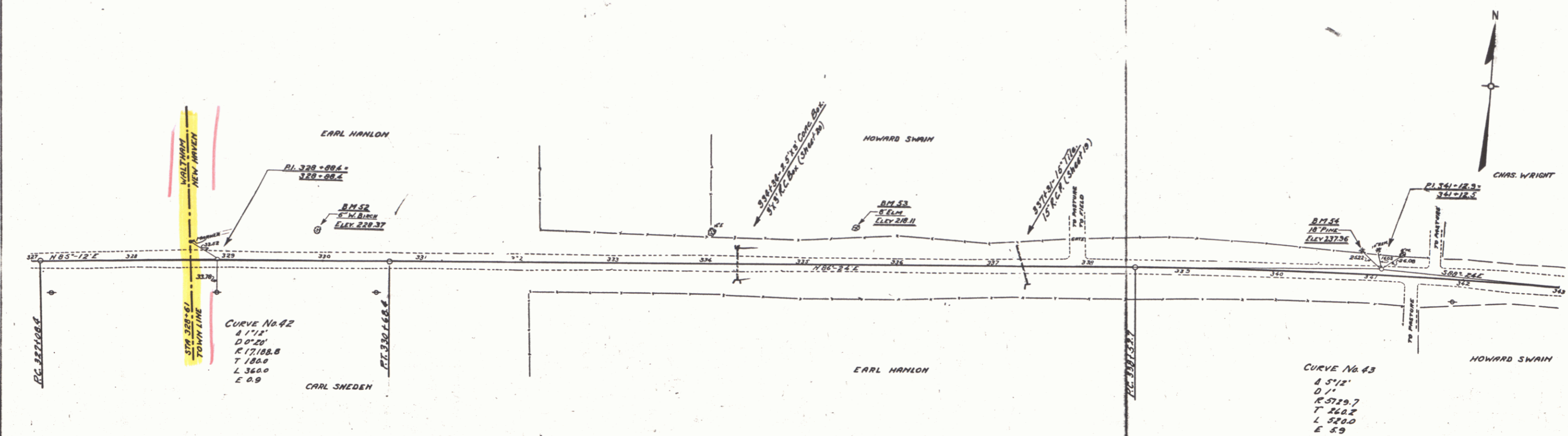
10

NEW REIN. CONC. PIPE CULVERTS REQUIRED NEW REIN. CONC. BOX CULVERTS REQUIRED
 Station 337+31 15' 44" 1964 75' Station 334+34 3'x5' 16.0CY 1968

FED. ROAD STATE FED. AID TOTAL SHEET TOTAL
 DIST. NO. PROJ. NO. YEAR 1930 14 50

DATE	
BY	
REVISIONS	
NO.	DESCRIPTION
1	
2	
3	
4	
5	

PROJECT	
LOCATION	
DATE	
BY	
REVISIONS	
NO.	DESCRIPTION
1	
2	
3	
4	
5	



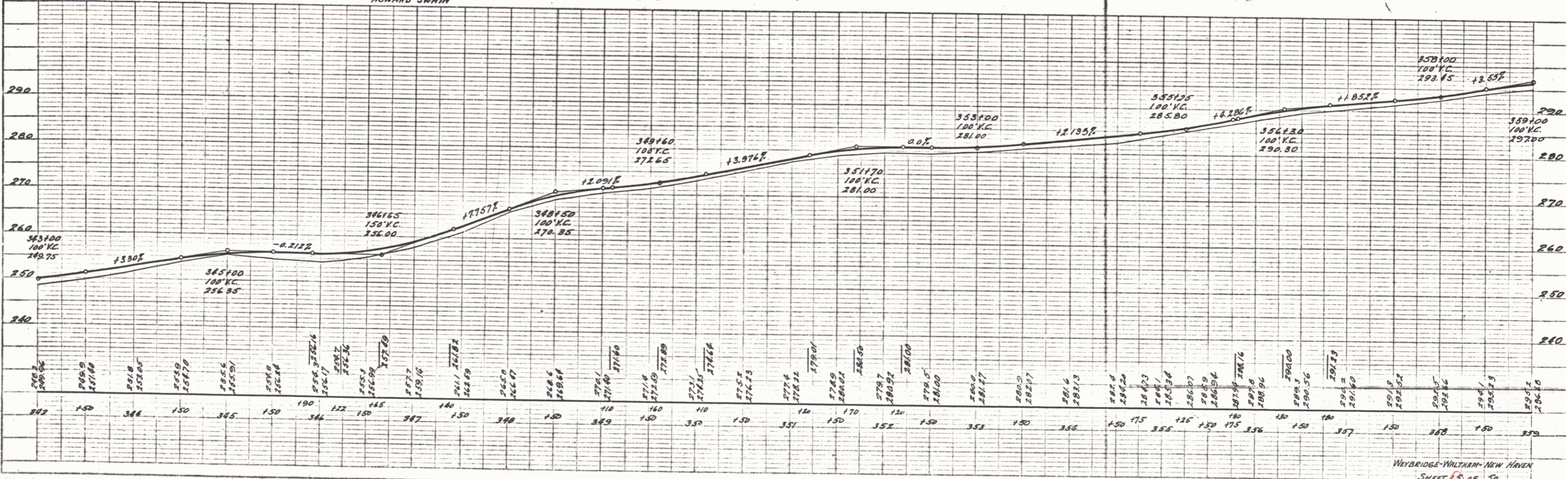
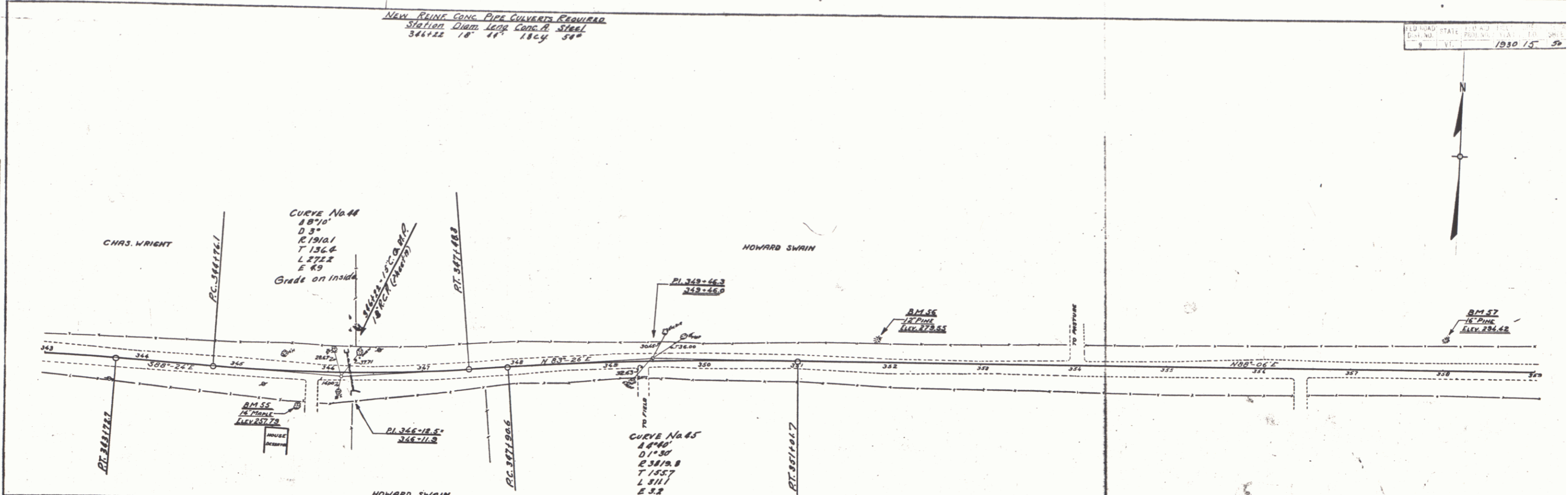
WYBRIDGE-WALTHAM-NEW HAVEN
 SHEET 14 OF 50

NEW PLINE CONC. PIPE CULVERTS REQUIRED
 Station Diam. Long Conc. Pipe
 366+22 18' 41" 18cy 54"

FIELD NO. STATE DIST. TOWN ROAD DIST. DATE
 1 10 1930 15 52

PLAN
 DATE
 DRAWN BY
 CHECKED BY
 SCALE
 PROJECT NO.

PROFILE
 DATE
 DRAWN BY
 CHECKED BY
 SCALE
 PROJECT NO.

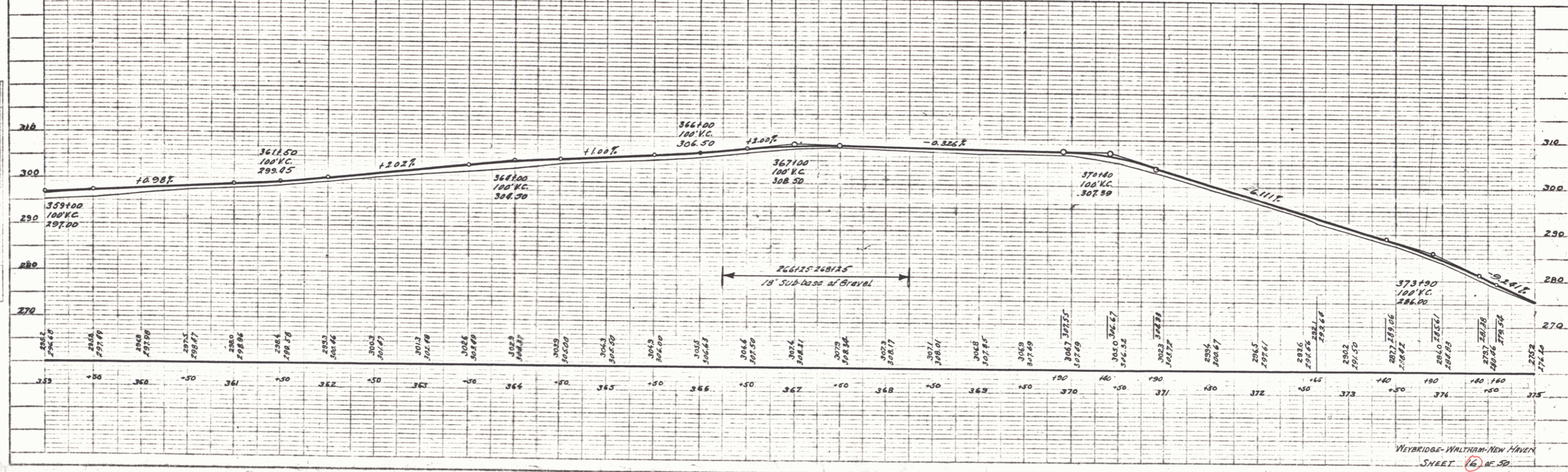
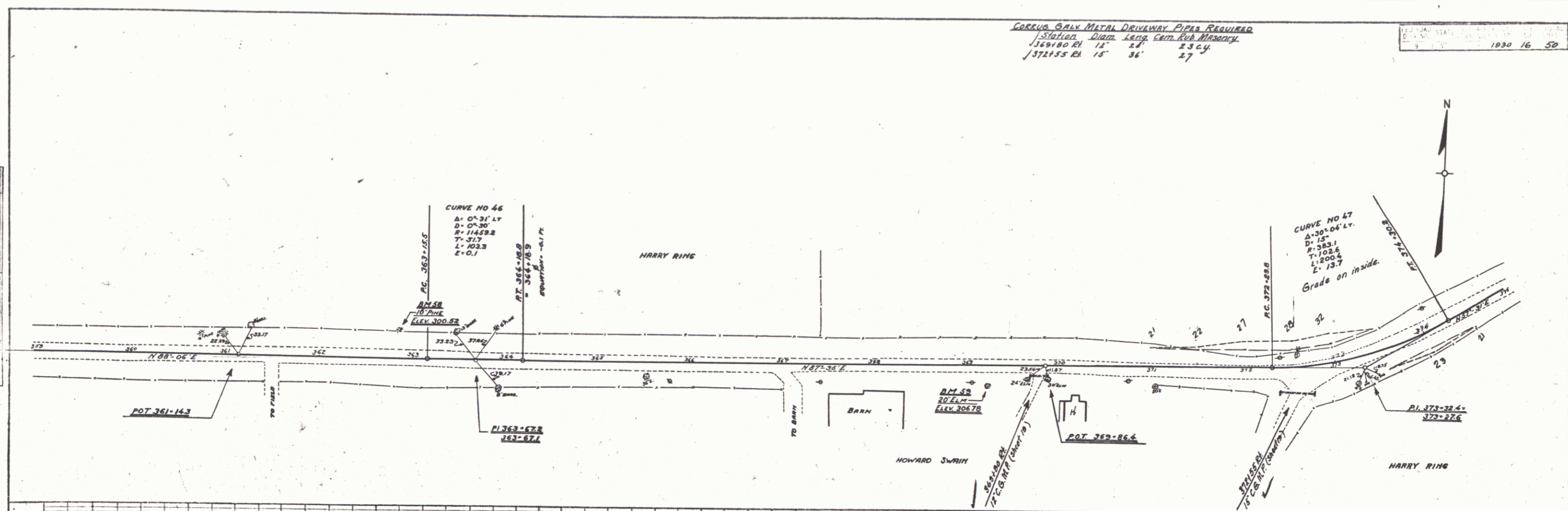


COOKING GRILL METAL DRAINAGE PIPES REQUIRED
 Station 369+00 to 372+50
 369+00 RA 12' 34' 23.4"
 372+50 RA 15' 36' 27"

PLATE NO. 16
 SHEET NO. 50

DATE	
BY	
CHECKED	
APPROVED	

NO.	
DESCRIPTION	
DATE	



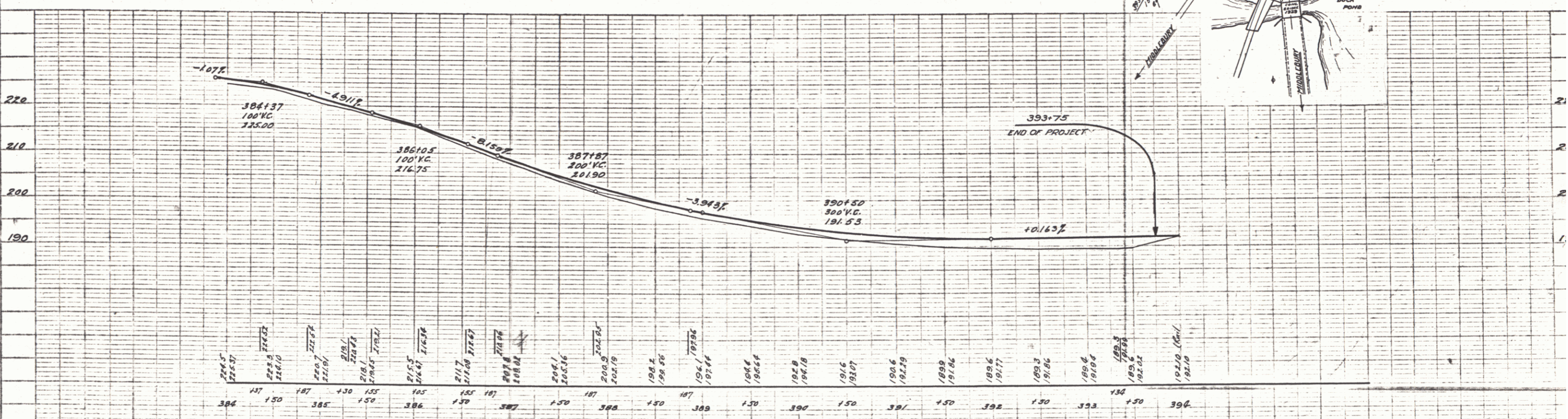
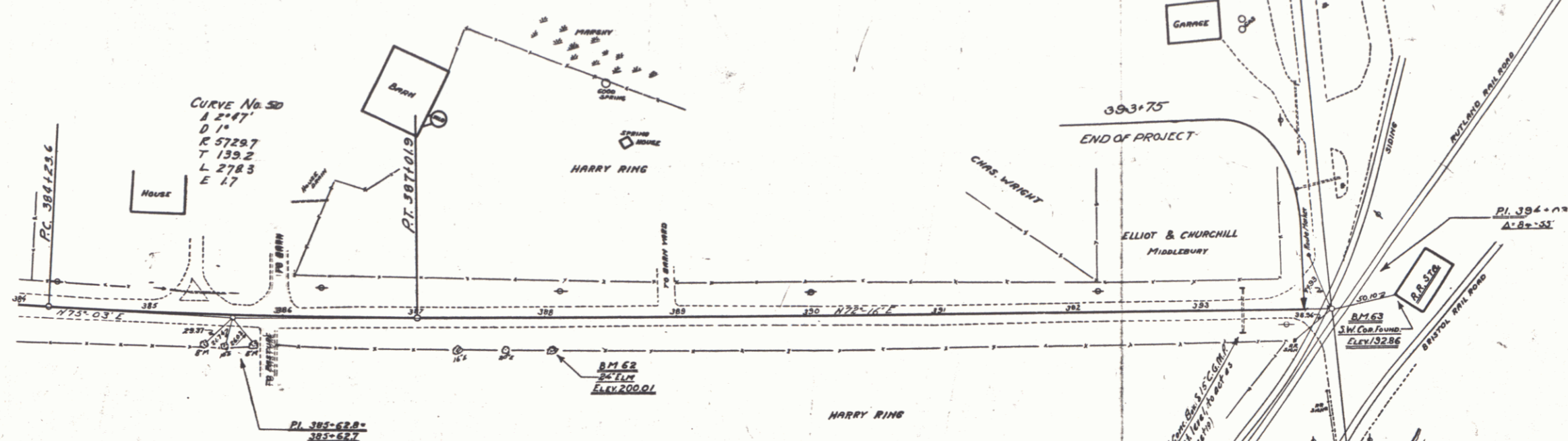
WYBRIDGE-WALTHAM-NEW HAVEN
 SHEET 16 OF 50

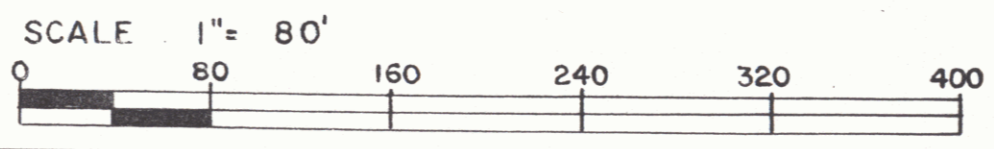
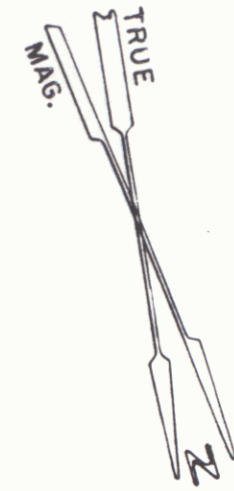
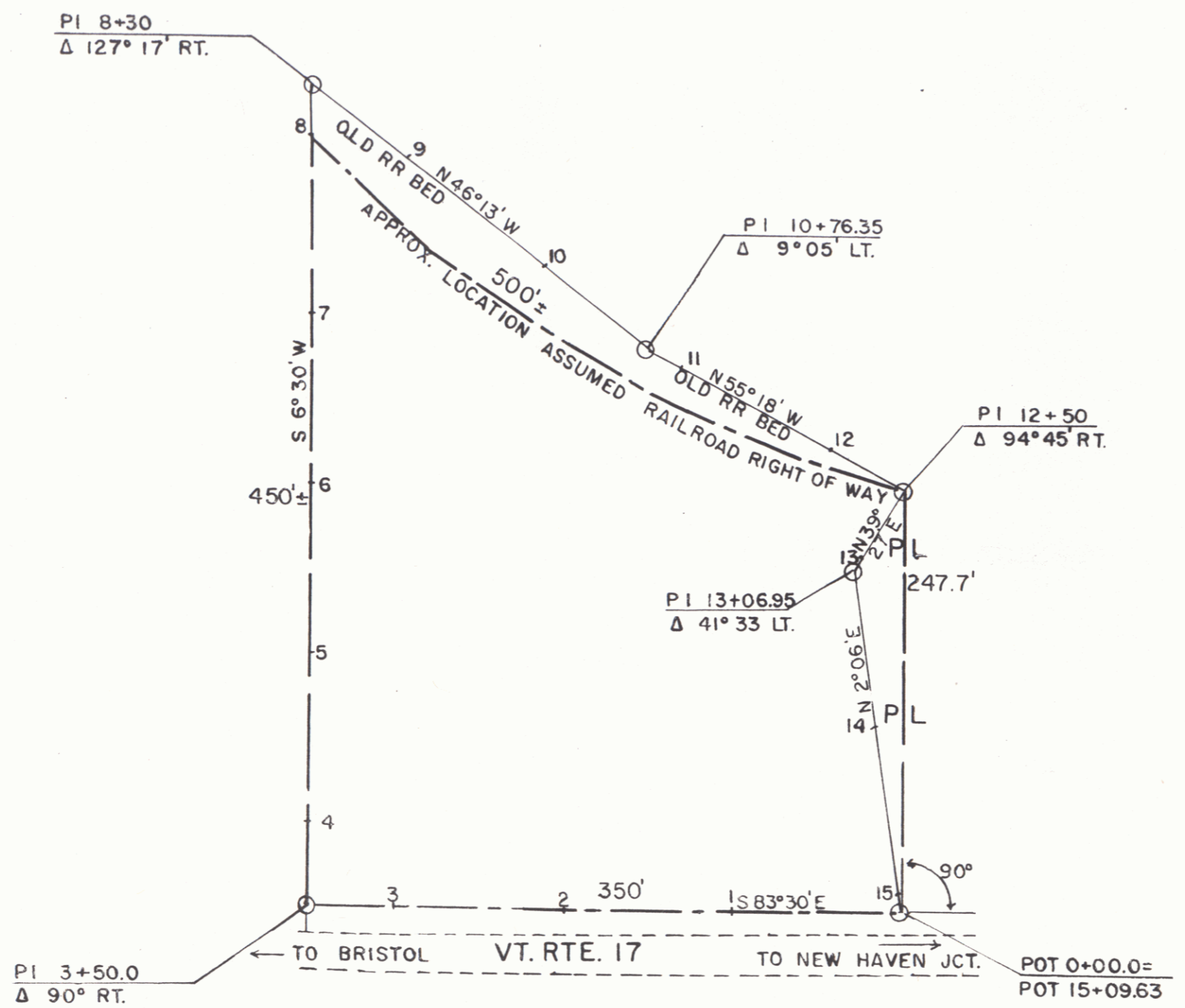
NEW REIN. CONC. PIPE CONCRETS REQUIRED
 Station Data Long. Conc. Steel
 383134 15' 36" 30cy 33

18 ROAD STATE 18.00 18.00 18.00 18.00
 DIST. NO. STATE PROJ. NO. YEAR NO. SHEET
 9 VT. 1930 18 52

PLAN
 DATE
 DRAWN BY
 CHECKED BY
 TITLE
 SHEET NO.

PROFILE
 DATE
 DRAWN BY
 CHECKED BY
 TITLE
 SHEET NO.





SHEET 18A

STATE OF VERMONT
DEPT. OF HIGHWAYS

TOWN OF NEW HAVEN VT 17

PROJECT DISTRICT #5 MAINT. AREA

APPROX. SCALE 1"=80'	DATE 9-8-77	DRAWN BY A.G.S.
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48 16