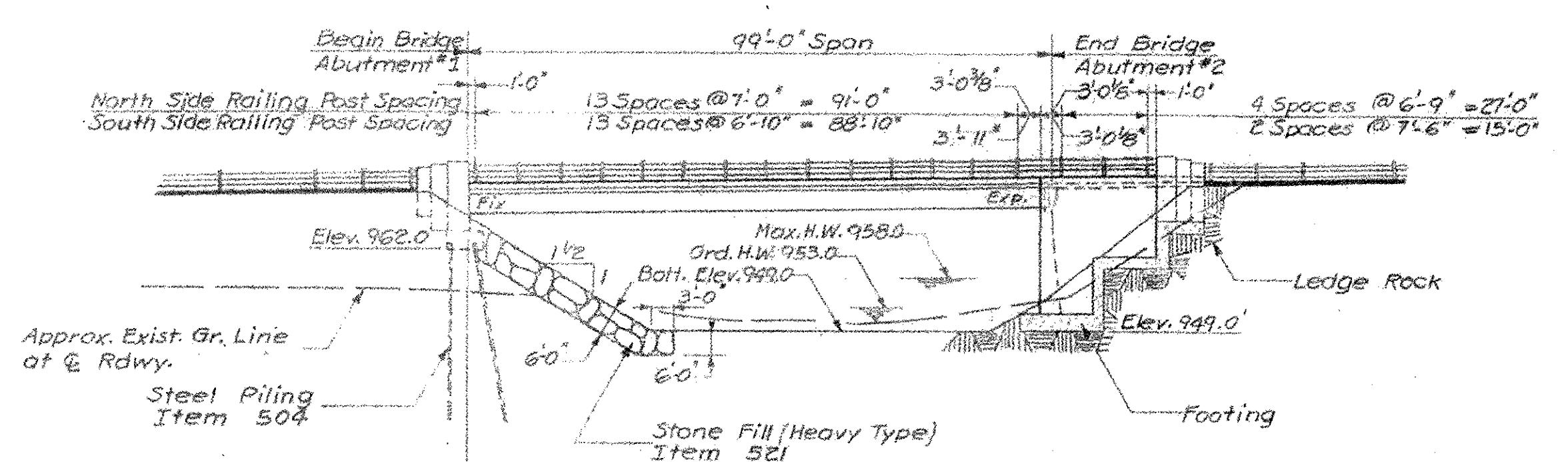
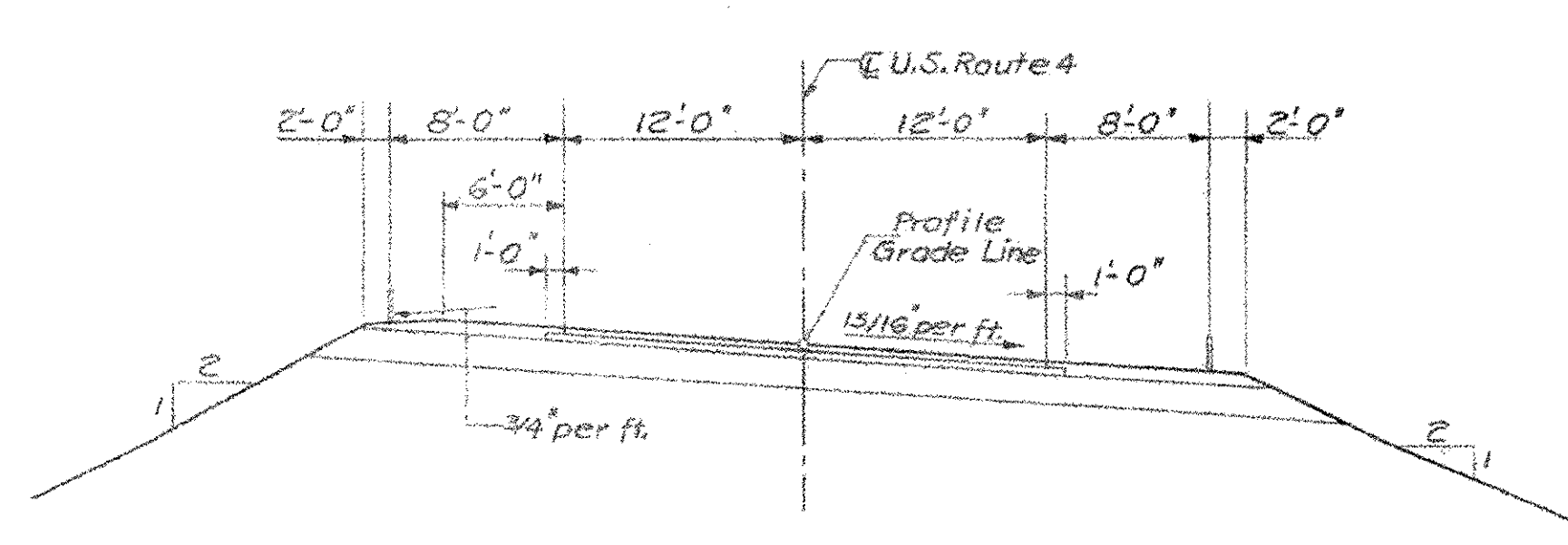


PLAN
Scale: 1" = 20'



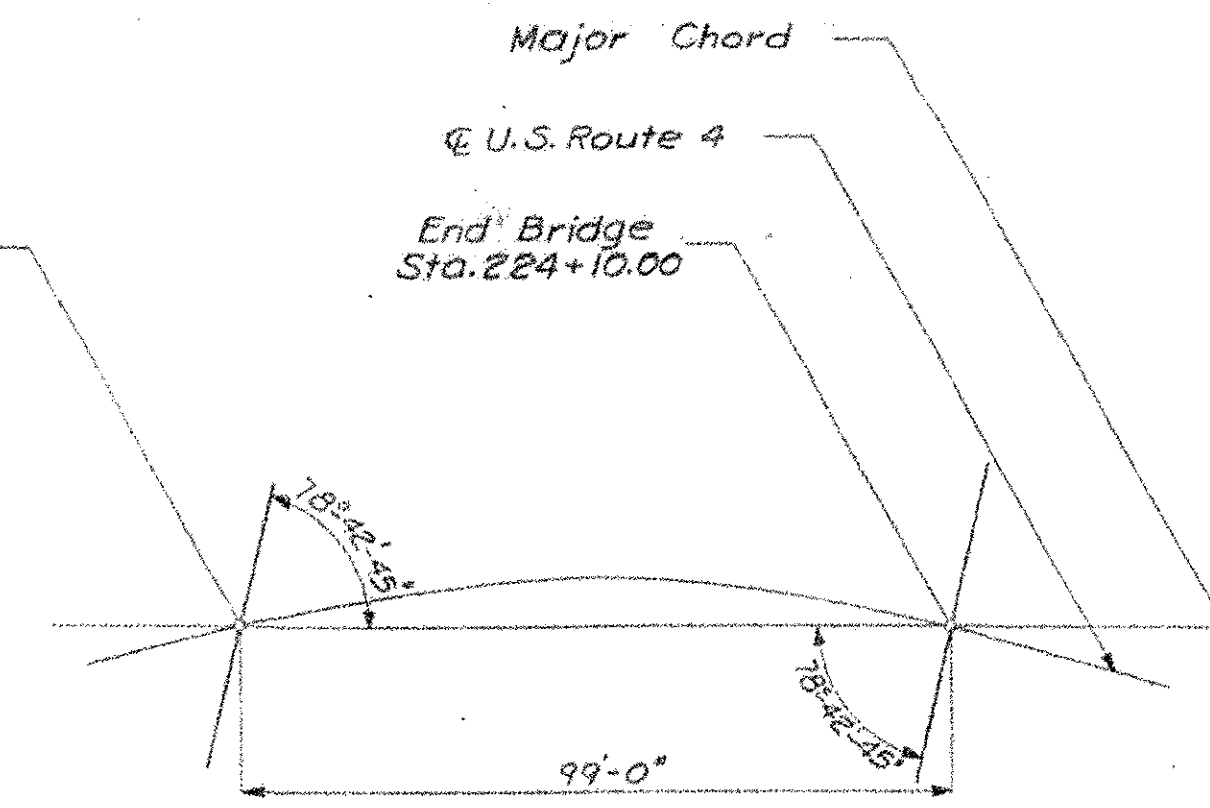
ELEVATION
Scale: 1" = 20'



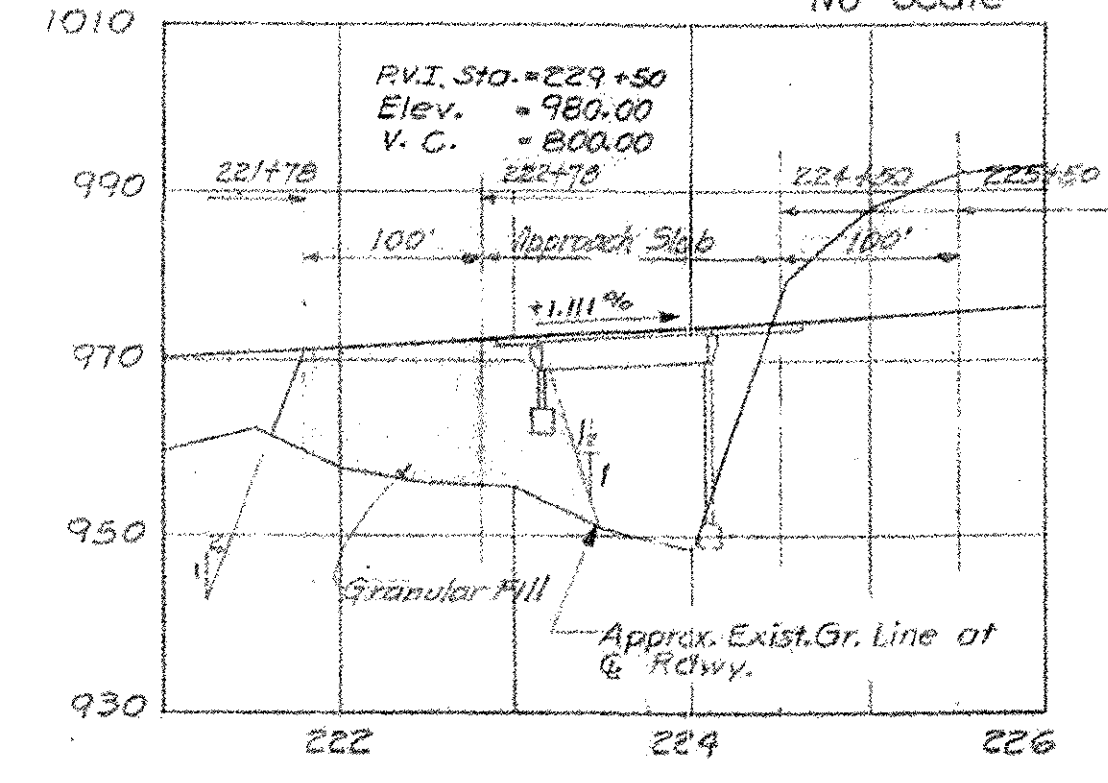
TYPICAL APPROACH SECTION
Scale: 1/8" = 1'-0"

CURVE DATA

Δ = 45°-38' Rt.
D = 7'-30"
R = 764.49
T = 321.62
L = 608.44
E = 64.90
P.I. = Sta. 225+80 Bk.
Sta. 225+45.20 Ah.

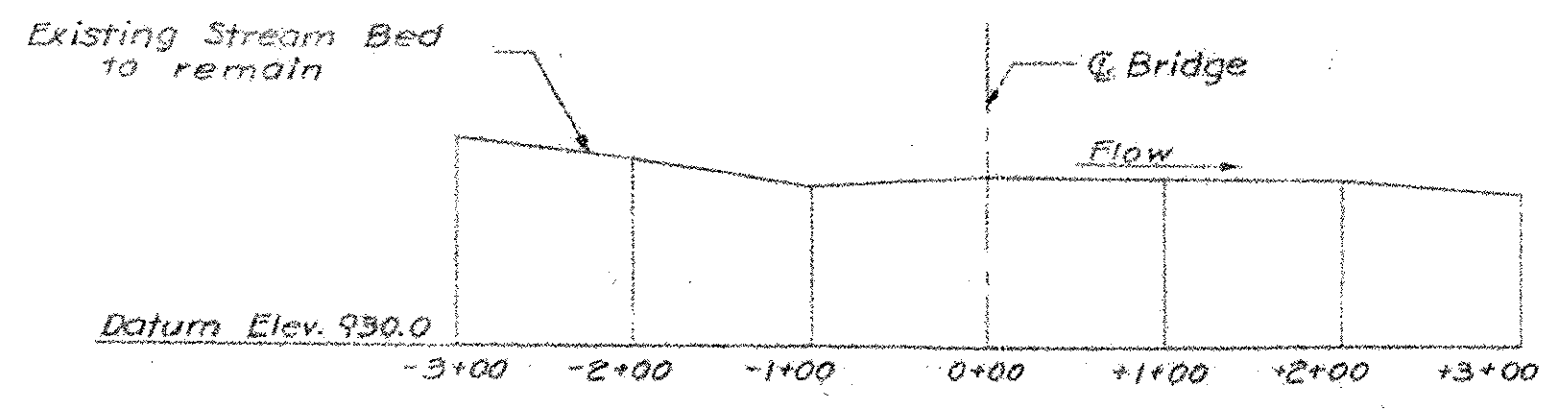


CURVE LAYOUT
No Scale



U.S. ROUTE 4 PROFILE

Scales: Vert.: 1" = 20'
Horiz.: 1" = 100'



PROFILE OF STREAM CHANNEL

Scales: Vert.: 1" = 20'
Horiz.: 1" = 100'

SUMMARY OF QUANTITIES				
ITEM NO.	ITEM	UNIT	QUANTITY	FINAL
102-A	Granular Borrow	c.y.	0	232
106	Unclassified Channel Excavation	c.y.	93.5	93.5
107	Structure Excavation	c.y.	164	192
222	Gravel Backfill	c.y.	159	107
361-B	Bituminous Concrete Pav't. (Mod.)	ten	58	*
401-B	Concrete Class B (Mod.)	c.y.	511	521
402	Reinforcing Steel	lb.	51,727	49,369
403	Spiral Reinforcement (2550#)	l.s.	1	1
404-A	Structural Steel	lb.	192,866	192,311
407	Asphaltic Asbestos Coating	s.y.	81	8
442	Removal of Existing Superstructure	l.s.	1	1
501	Furnishing Equipment for Driving Piles	l.s.	Required	1/2
504	Steel Piling	l.f.	492	153
521	Stone Fill (Heavy Type)	c.y.	1,222	1,506
556-C	Granite Bridge Curb	l.f.	275	276
572	Bridge Railing	l.f.	236	241
503	Splices for Steel Piling	ex.	3	1
318	Tar Emulsion For Bridge Floors	Gal.	217	*

GENERAL NOTES: * Roadway Items

1. Material and Construction shall conform to State of Vermont Standard Specification for Highway and Bridge Construction, dated 1956.
2. All design in accordance with A.A.S.H.O. Standard Specifications for Highway Bridges, dated 1957. Loading is H20-S16-44 Truck as Modified for National System of Interstate Highways.
3. Concrete shall attain a minimum strength of 2000 PSI, prior to the addition of any superimposed load.
4. All concrete to be Class B.
5. All welding to conform with the American Welding Society Standard Specifications for Welded Highway and Railway Bridges.
6. Reinforcing steel in top of abutments shall be placed so as to allow drilling for anchor bolts.
7. All dimensions given are measured horizontally or vertically unless noted.
8. Beam seats to slope 1/4" per ft. and be coated with Asphaltic-Asbestos coating, Item 407, except under bearings.
9. Railing posts and pylon lines to be normal to grade and top of pylon to be parallel to grade.
10. The haunch over the beam to vary in order to compensate for camber remaining after D.L. deflection.
11. The beam seat elevations have been lowered to account for difference between actual camber and required camber.
12. Where piles are driven in fill, the material should be such as to have no stones large enough to interfere with driving of piles.
13. All piles to be 10 BP42 and driven to a minimum bearing capacity of 37 tons.
14. Maximum bearing pressure for foundations is 5 tons per sq. ft.
15. Where rock is encountered footings shall not be poured until all blasting has been completed.
16. Cross slope of 1 1/8" per ft. extends full length of bridge and approach slabs.
17. Piles shall not be spliced, except with the written approval of the Engineer.
18. Minimum cover for reinforcing bars shall be 2" unless noted.
19. Standards SCB-30-58 & SB-5G-57 shall be modified by substituting the following:
Use 2" of Bituminous Concrete pavement in lieu of the 2 1/2" indicated
Granite Bridge Curb (Modified) as indicated in the General Special Provisions shall be substituted in lieu of Granite Bridge Curb Type 1. The curb height finish grade to top of curb will therefore be 12".

BRIDGE 40
FOR REFERENCE ONLY
SHEET 6 OF 16

VERMONT
STATE HIGHWAY DEPARTMENT
TOWN OF BRIDGEWATER
U.S. ROUTE 4

BRIDGE AT STA. 223+605
GENERAL PLAN, ELEVATION,
PROFILES & SECTIONS

WM. H. McFARLAND
ENGINEER
BINGHAMTON, N.Y.

DESIGNED: F.W.C. CHECKED: K.R. DATE: 2-6-59
DRAWN: H.H.T. IN CHARGE: H.G.C. SCALE: AS SHOWN
PROJECT NO. F-020-2 (5) SH. 40 OF 141

LIST OF SHEETS:

- Sheet 1: General PLAN, Elevation, Profiles & Sections
- Sheet 2: Framing Plan, Section & Boring Logs.
- Sheet 3: Abutment No. 1 Details.
- Sheet 4: Abutment No. 2 Details.
- Sheet 5: " " "
- Sheet 6: Approach Slab
- Sheet 7: Reinforcing Bar Schedule.

REFERENCE:

- Std. Drwg. SCB-30-58, Sheet 1 & 2: Superstructure
- " " SB-5G-57, Sheet 1 & 2: Bridge Railing
- " " SB-20-56: " Bearings & Steel Diaphr.
- " " SB-AS-15 "Skew-57: " Approach Slab
- Std. Drwg. SB-22-58: " Exp. Jt.'s at Abut.