COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		B. P. R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
37.6	1163.0		11.3	4th WIS	1	13

INDEX OF SHEETS

SHEET NO. 1 TITLE
SHEET NO. 1 TYPICAL CROSS SECTIONS
SHEET NO. 1 ESTIMATE OF QUANTITIES
SHEET NO. — MISCELLANEOUS QUANTITIES
SHEET NO. — RIGHT OF WAY PLAT
SHEET NO. 2-12 PLAN AND PROFILE STA. 30+00 TO STA. 344+25.4 = 31,344.5' NET LENGTH OF ℄
SHEET NO. 13 STANDARD DETAILS
SHEET NO. — DRAINAGE STRUCTURES
SHEET NO. — CROSS SECTIONS

STATE OF WISCONSIN

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAN AND PROFILE OF PROPOSED

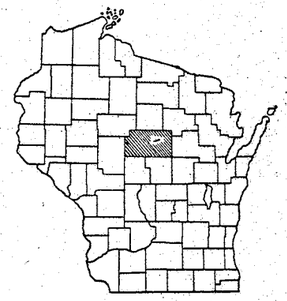
WAUSAU – C.T.H. "J" ROAD

C.T.H. "Z"

MARATHON COUNTY

PROJECT S 1163 (3)

SCALES { PLAN 1 IN. = 100 FT.
PROFILE HOR. 1 IN. = 100 FT. VERT. 1 IN. = 10 FT.



ESTIMATE OF QUANTITIES

THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE HIGH COMMISSION OF WISCONSIN – EDITION OF 1963, SUBMITTED FOR APPROVAL JANUARY 25, 1963; AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS

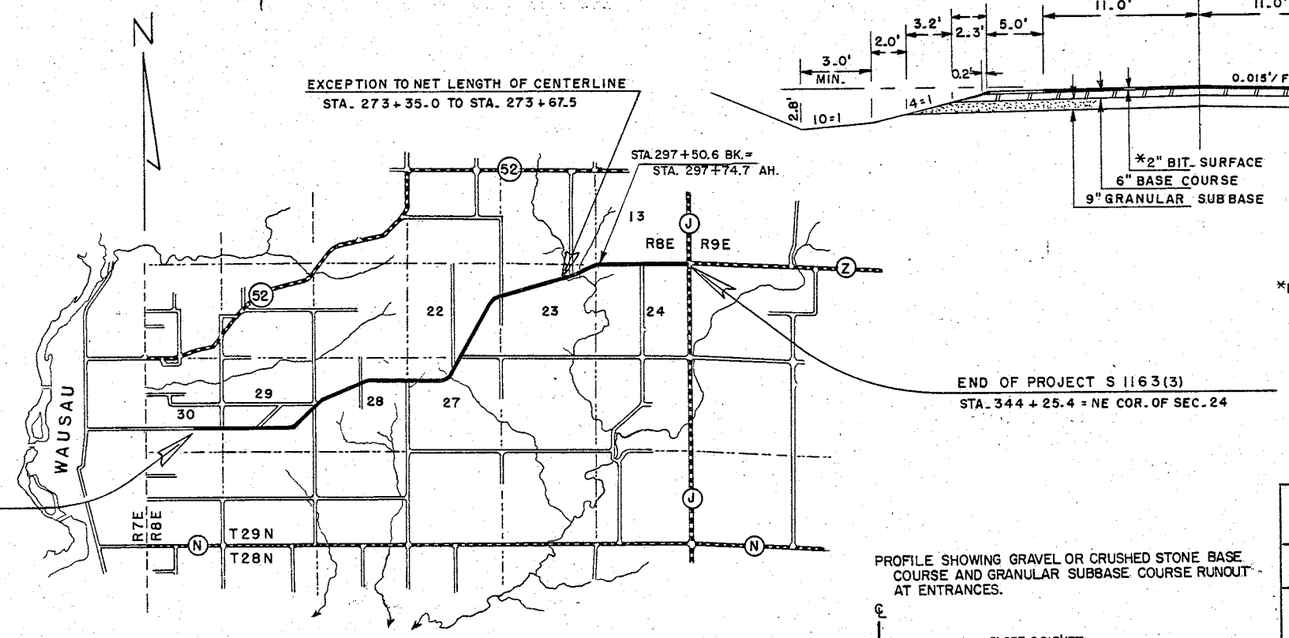
ITEM NO.	ITEM	QUANTITY	UNIT
21201	GRANULAR SUBBASE COURSE	41,870	CU. YD.
30402	GRAVEL OR CRUSHED STONE BASE COURSE	43,650	TON

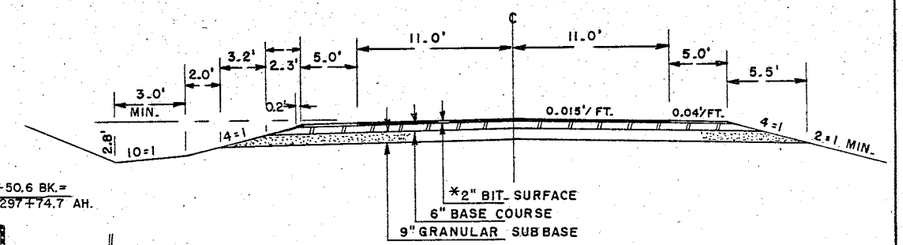
GENERAL NOTE

WHEN THE QUANTITY OF THE ITEMS OF SUBBASE OR BASE IS MEASURED FOR PAYMENT BY THE TON OR BY CUBIC YARD, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND UPON THE DISTRIBUTION OF MATERIAL AS DIRECTED BY THE ENGINEER.

APPLICABLE STANDARD DETAIL DRAWING

7-4.1.4 CONSTRUCTION BARRICADE





*NOT PART OF THIS PROJECT

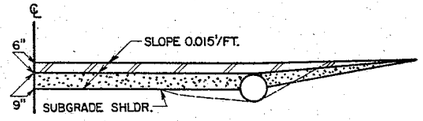
CONVENTIONAL SIGNS

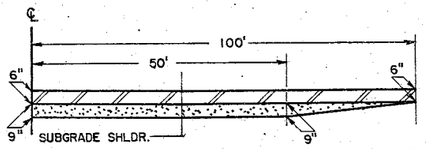
STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
NEW RIGHT OF WAY LINE
PRESENT RIGHT OF WAY LINE
WIRE FENCE { WOVEN / BARBED
LOT LINE
CORPORATE OR CITY LIMITS
PROPERTY LINE — P.L. + 32.6
TRAVELED WAY OR P.E.
RAILROADS
BASE OR SURVEY LINE — 30
CULVERTS IN PLACE
CULVERTS REQUIRED
DROP INLET
POWER POLE
TELEPHONE OR TELEGRAPH POLE
RIGHT OF WAY MARKERS
REFERENCE STAKE FOR HUBS ONLY — +61.7 / 253
MARSH
HEDGE
TREES
GROUND ELEVATION — DATUM LINE — 733.9
GRADE ELEVATION — DATUM LINE — 75.16

LAYOUT
SCALE — ONE MILE

TOTAL NET LENGTH OF CENTERLINE = 5.936 MI.

PROFILE SHOWING GRAVEL OR CRUSHED STONE BASE COURSE AND GRANULAR SUBBASE COURSE RUNOUT AT ENTRANCES.





PROFILE SHOWING GRANULAR SUBBASE COURSE RUNOUT AT SIDE ROADS

STATE HIGHWAY COMMISSION OF WISCONSIN MADISON, WIS.

SURVEYOR C E C NOTE BOOK M-63
DIVISION COMPUTER K.R.V. M. O. CHECKER R.L.C.
DISTRICT CHECKER F.C.L. CORRECT

CORRECT:
DATE 4/10/63 — DISTRICT ENGINEER

RECOMMENDED FOR APPROVAL:
DATE 4-30-63 — ENGINEER OF DESIGN

APPROVED:
DATE 5/1/63 — STATE HIGHWAY ENGINEER

DEPARTMENT OF COMMERCE, BUREAU OF PUBLIC ROADS

APPROVED: DATE

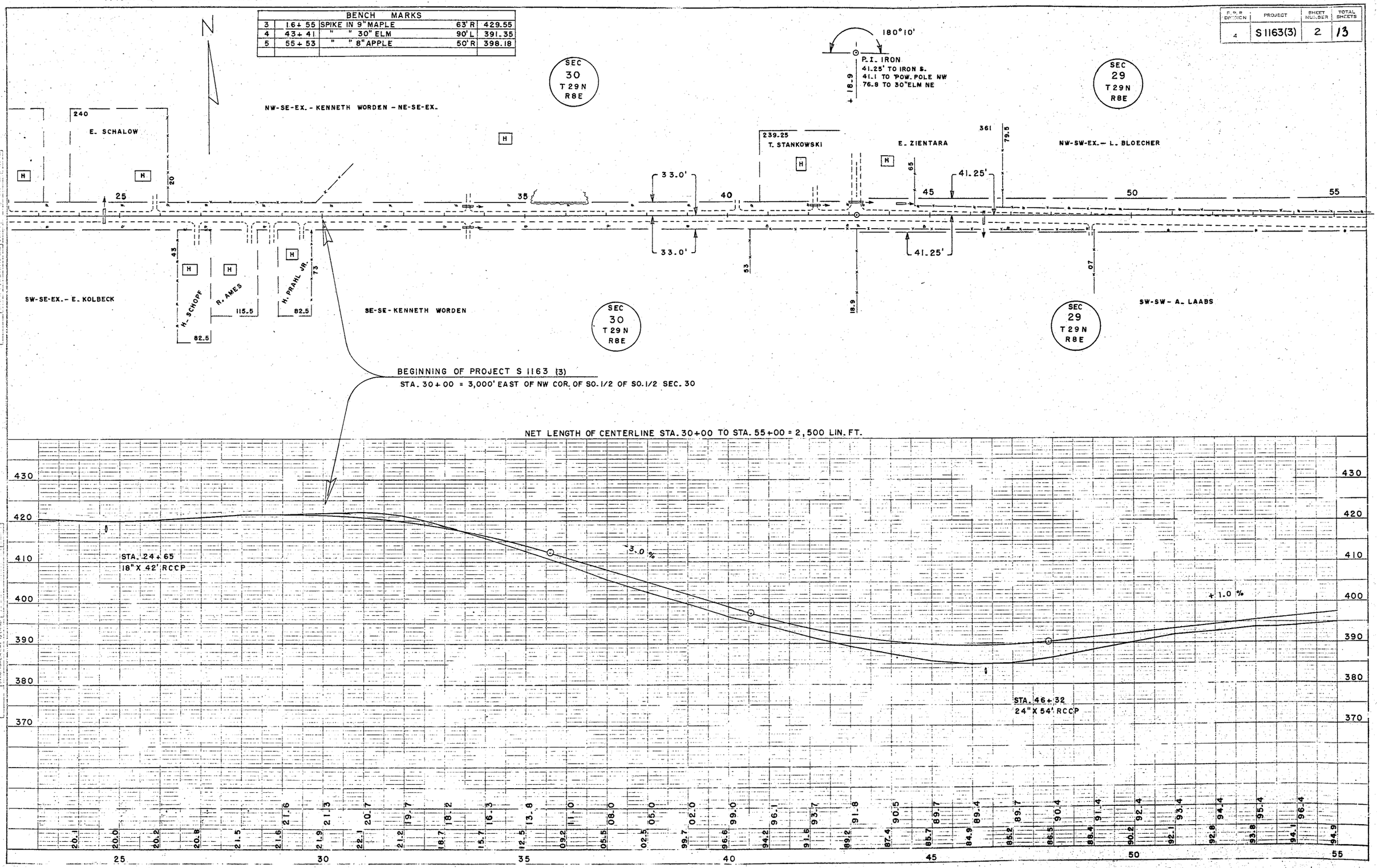
DIVISION - ENGINEER

S 1163(3)

C.T.H. "Z" – TOWN OF WAUSAU

BENCH MARKS				
3	16+55	SPIKE IN 9" MAPLE	63' R	429.55
4	43+41	" " 30" ELM	90' L	391.35
5	55+53	" " 8" APPLE	50' R	398.18

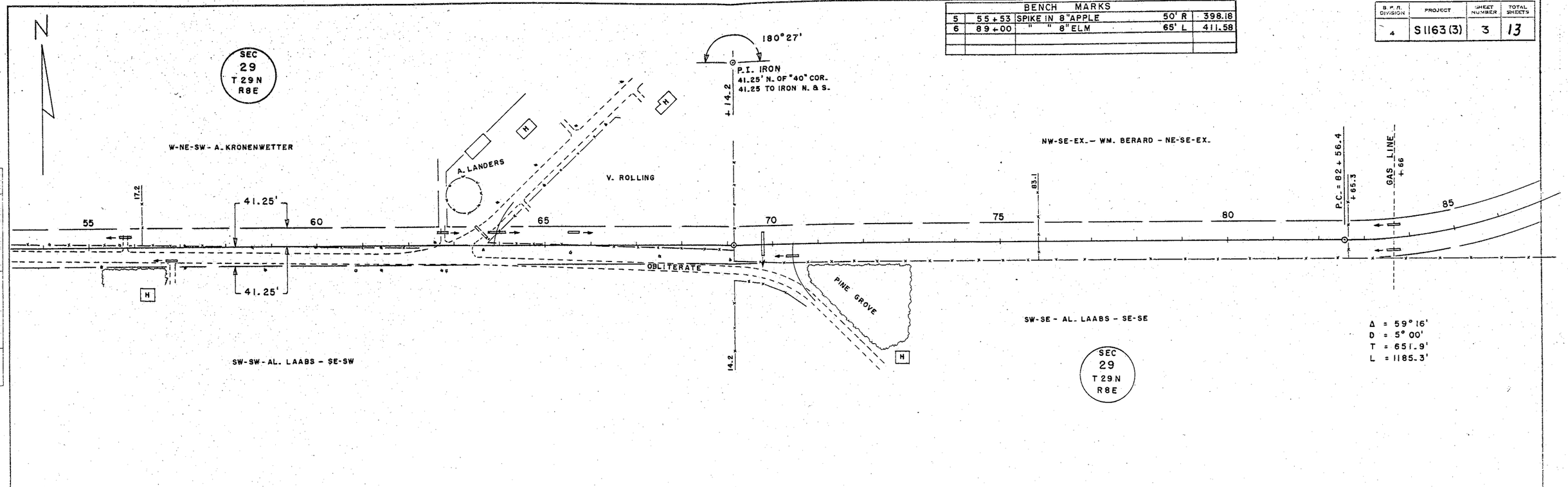
F.A.P. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1163(3)	2	13



C.T.H. "Z" - TOWN OF WAUSAU

BENCH MARKS				
5	55+53	SPIKE IN 8" APPLE	50' R	398.18
6	89+00	" " 8" ELM	65' L	411.58

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1163 (3)	3	13



NET LENGTH OF CENTERLINE STA. 55+00 TO STA. 86+00 = 3,100 LIN. FT.

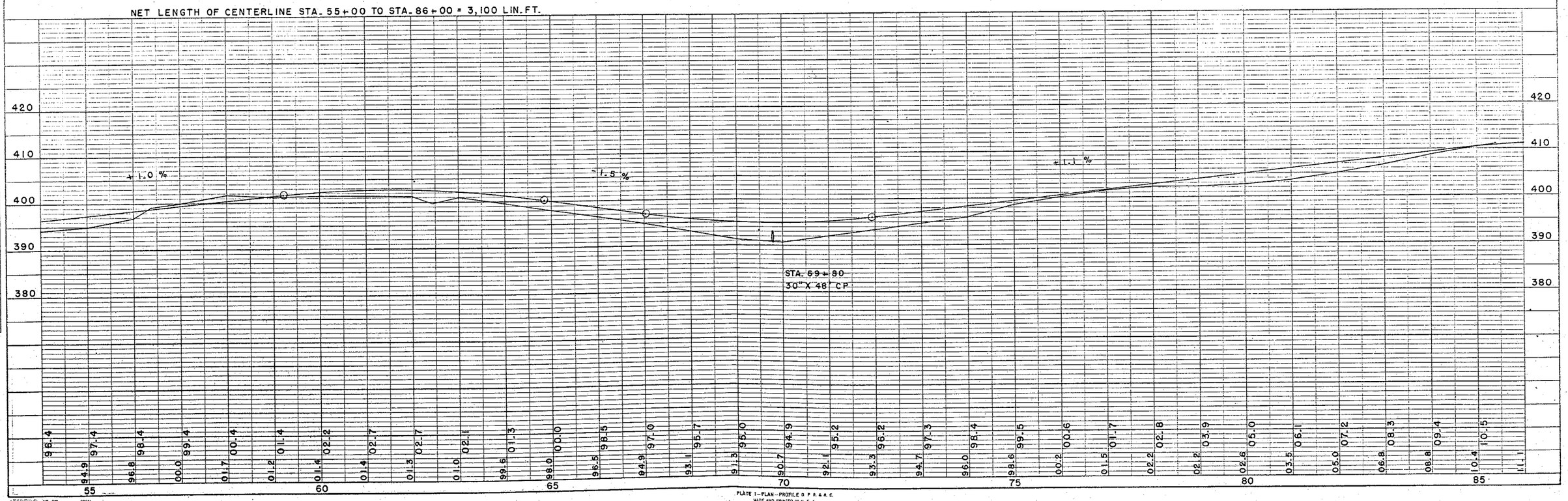


PLATE 1—PLAN—PROFILE O. P. R. & R. E.
MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

BRUNING NO. 601 23561

PLAN
SURVEYED
PLOTTED
NOTE BOOK
NO.
GRADES CHECKED
STRUCTURE NO.
STRUCTURE NO. ATTACHED
DATE
BY

PROFILE
C.E.C.
10-62

C.T.H. "Z" - TOWN OF WAUSAU

BENCH MARKS				
6	89+00	SPIKE IN 8" ELM	65' L	411.58
7	101+68	" " 12" ELM	135' L	405.79
8	116+22	" " 15" OAK	67' R	405.93

O.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1163(3)	4	13

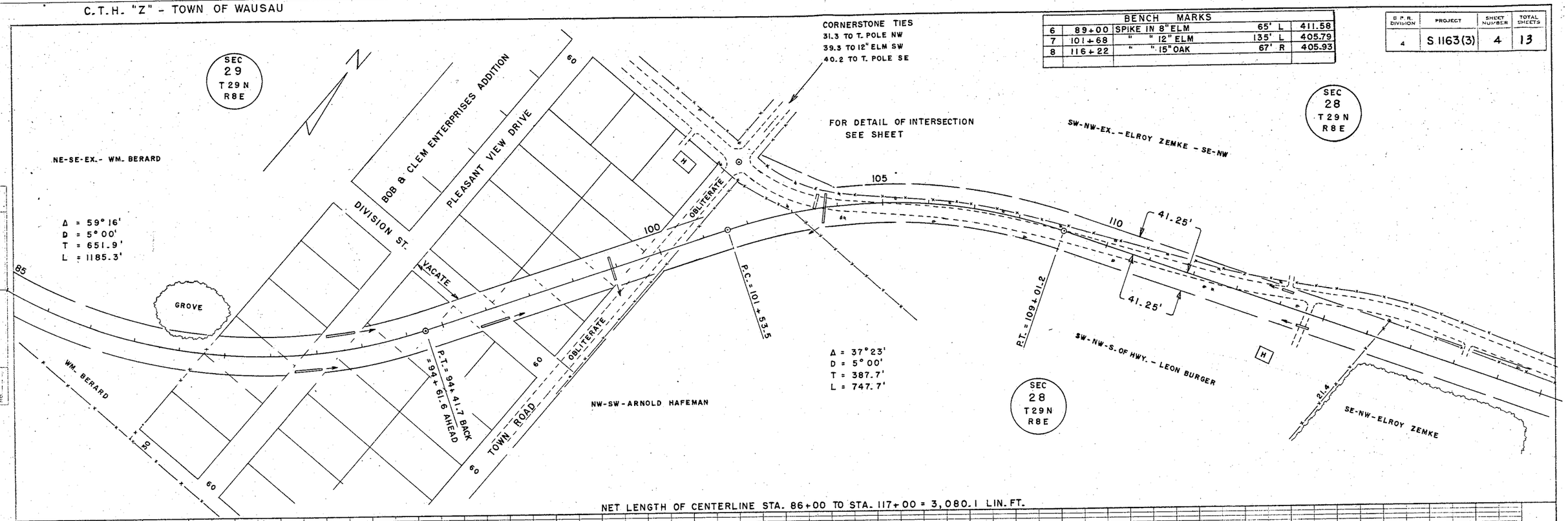


PLATE 1 - PLAN - PROFILE O.P.R. & R.E.
WORK AND WARRENS - W.C.S.R.
CHARLES BRUNING COMPANY, INC.

PROFILE
NOTE BOOK
NO.
PROJECT
CHECKED
CHECKED
CHECKED
CHECKED

C E C 10-62

PLAN
NOTE BOOK
NO.
PROJECT
CHECKED
CHECKED
CHECKED
CHECKED

BRUNING NO. 601

C.T.H. "Z"

BENCH MARKS				
8	116+22	SPIKE IN 15" OAK	67' R	405.93
9	131+51	" " 12" ELM	82' R	412.15
10	155+47	" " 36" ELM	56' R	396.01

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S1163(3)	5	13

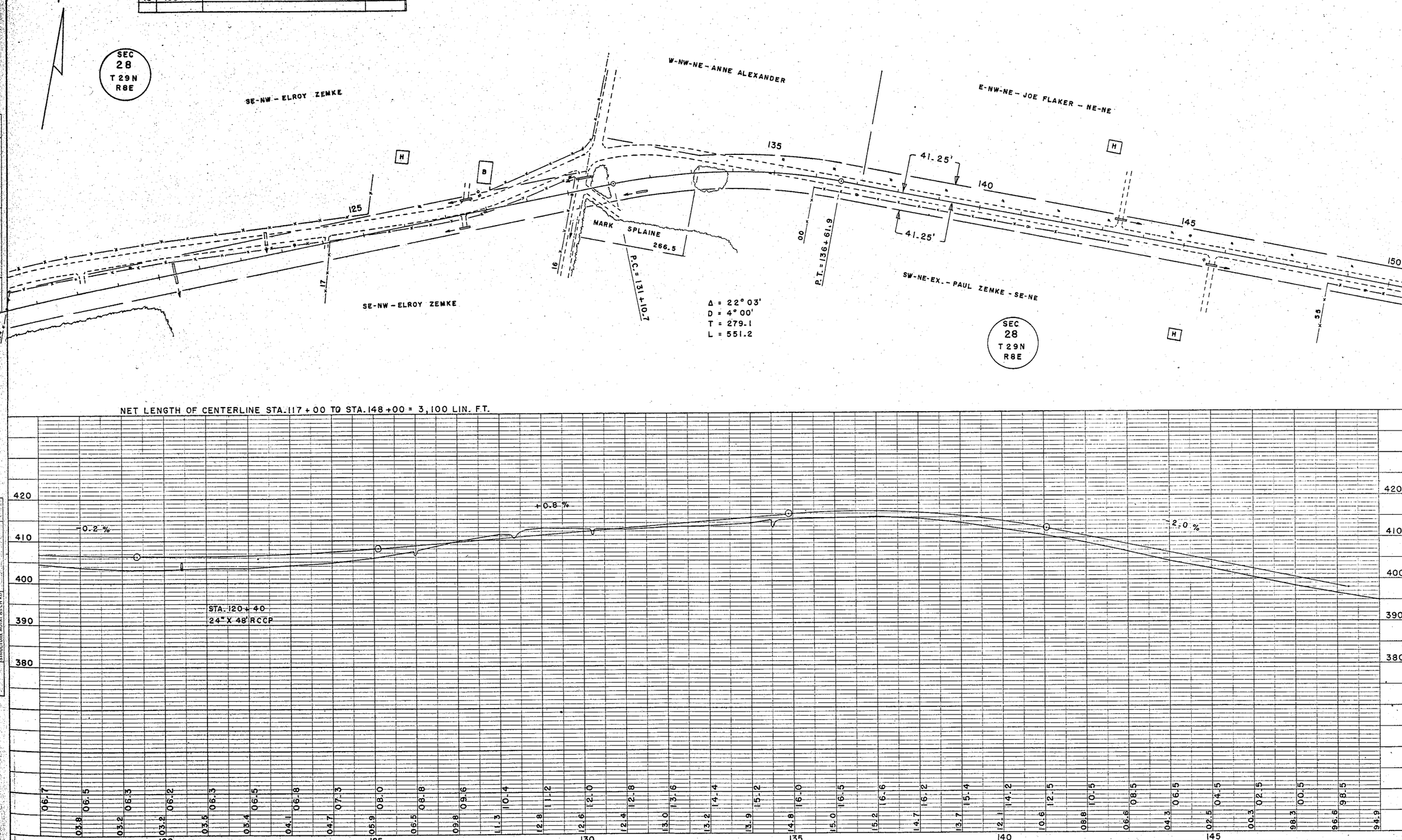


PLATE 1 - PLAN - PROFILE O. P. R. & R. E.
MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

C.T.H. "Z"

BENCH MARKS				
10	155+47	SPIKE IN 36" ELM	56' R	396.01
11	170+54	" " POWER POLE	51' R	410.27
12	181+12	" " 12" ELM	54' R	377.58

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1163(3)	6	13

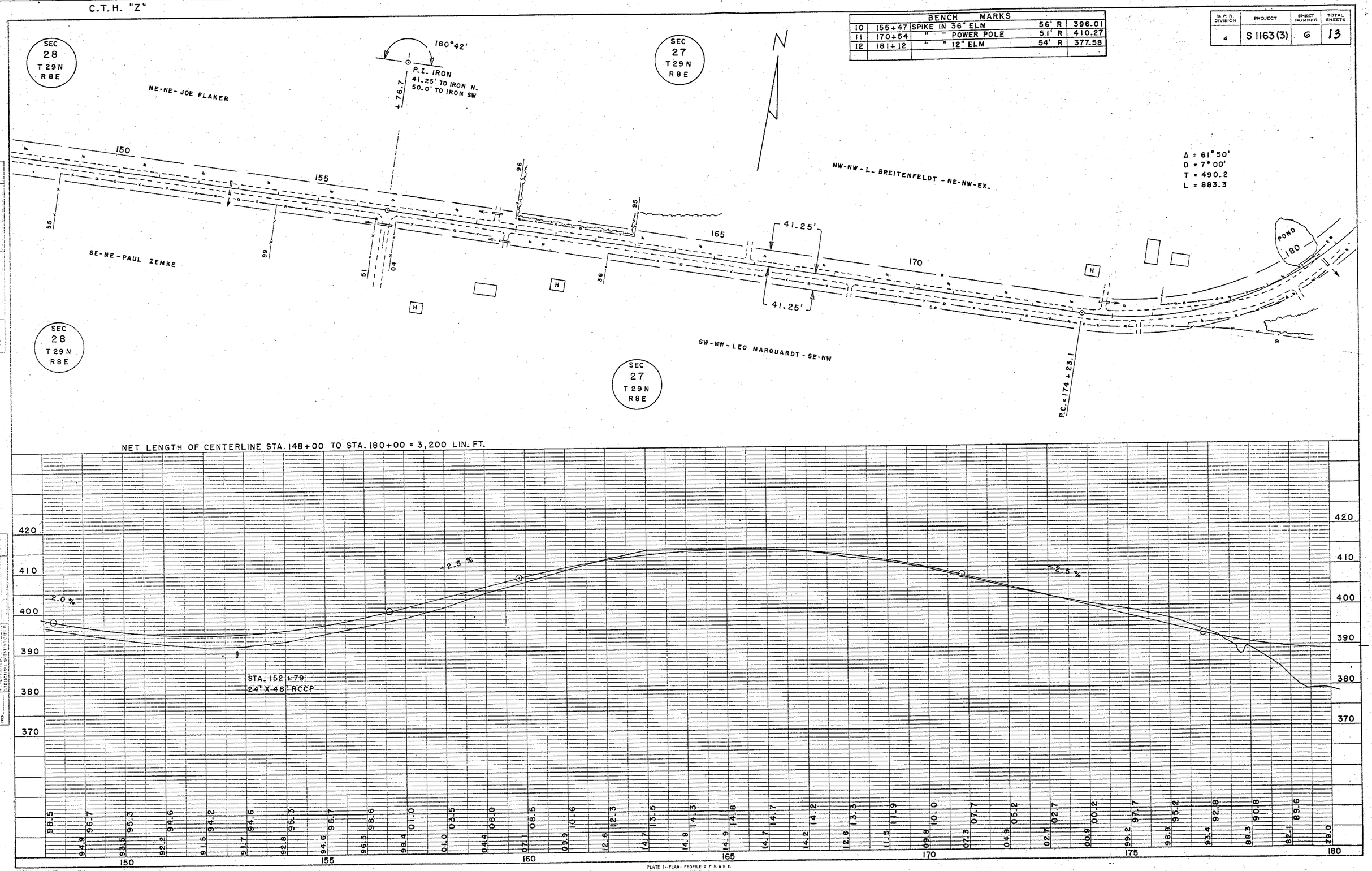
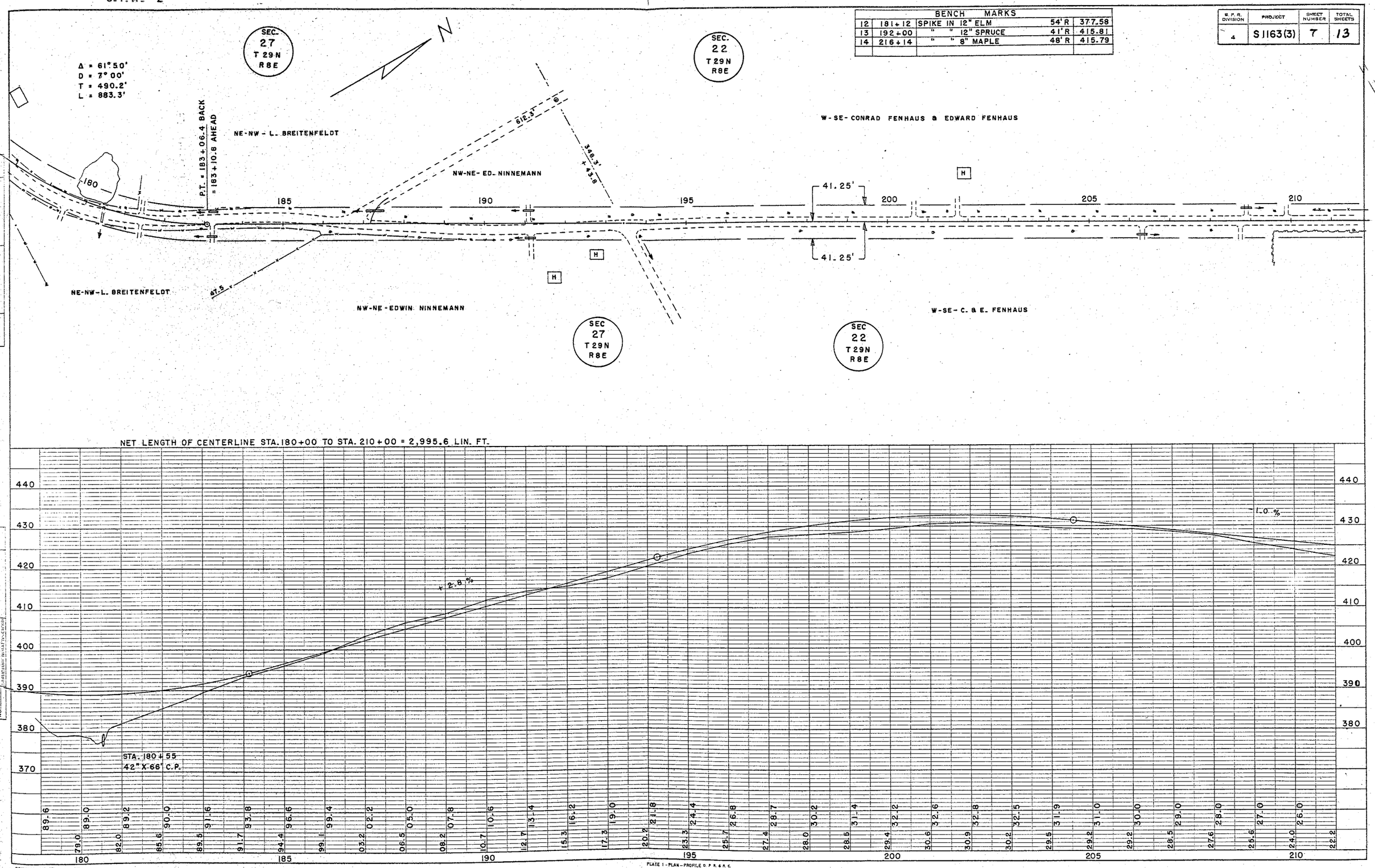


PLATE 1 - PLAN - PROFILE O.P.R. & R.E.

C.T.H. "Z"

W.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1163(3)	7	13

BENCH MARKS				
12	181+12	SPIKE IN 12" ELM	54' R	377.58
13	192+00	" " 12" SPRUCE	41' R	415.81
14	216+14	" " 8" MAPLE	48' R	415.79



BRUNING NO. 601

PLATE 1 - PLAN - PROFILE O. P. R. & R. E.
MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

C.T.H. "Z"

BENCH MARKS				
17	273+67	TOP NE WING OF BRIDGE	13' L	285.30
18	289+47	SPIKE IN 8" ELM	46' L	303.66

S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1163 (3)	10	13

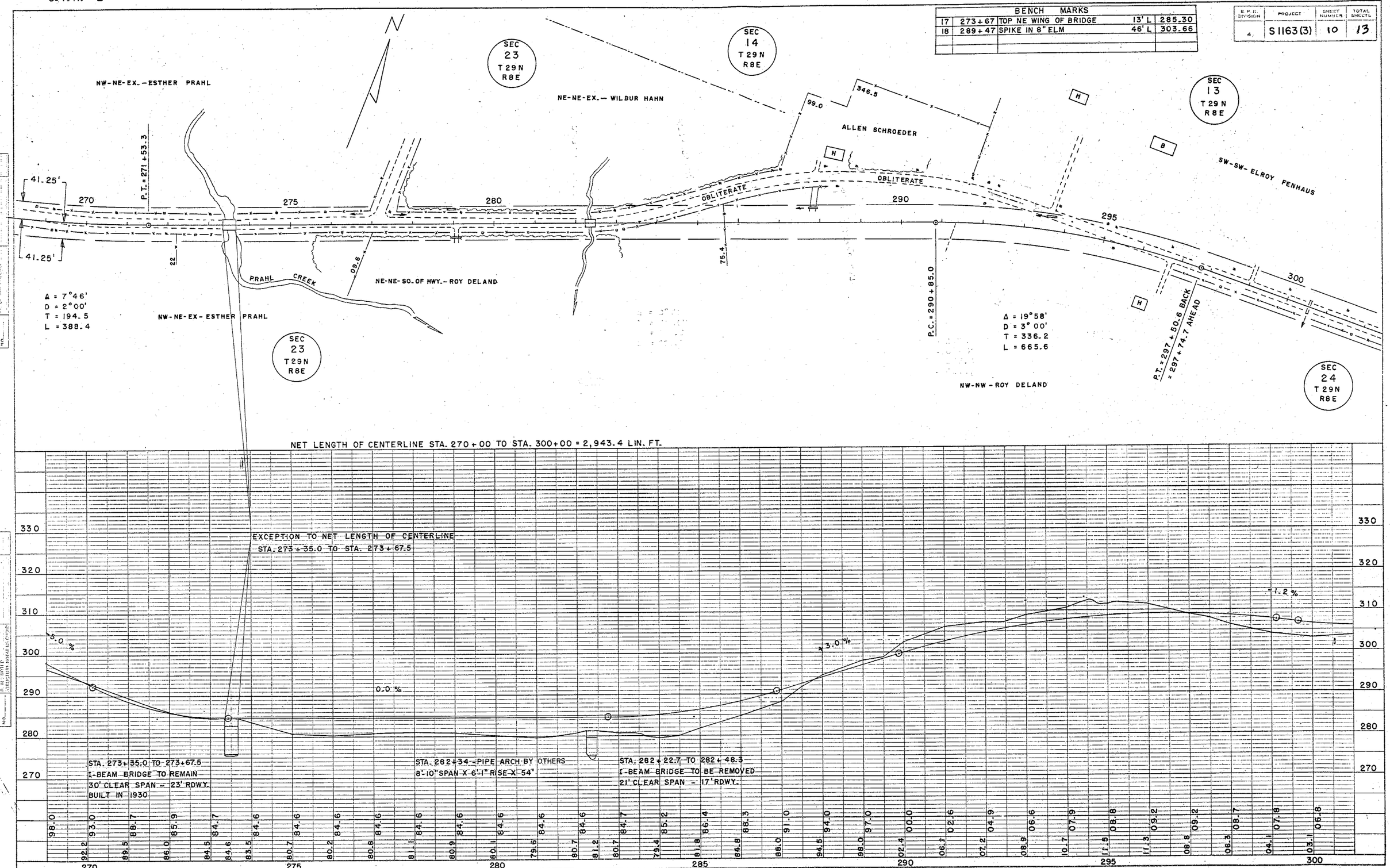


PLATE 1—PLAN—PROFILE O F R & R E
WORK AND FINANCED BY U.S.A.
CHARLES BRUNING COMPANY, INC.

C.T.H. "Z"

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1163(3)	11	13

BENCH MARKS				
19	307+84	SPIKE IN 30" MAPLE	62' R	313.45
20	322+17	" " 15" MAPLE	56' L	347.98

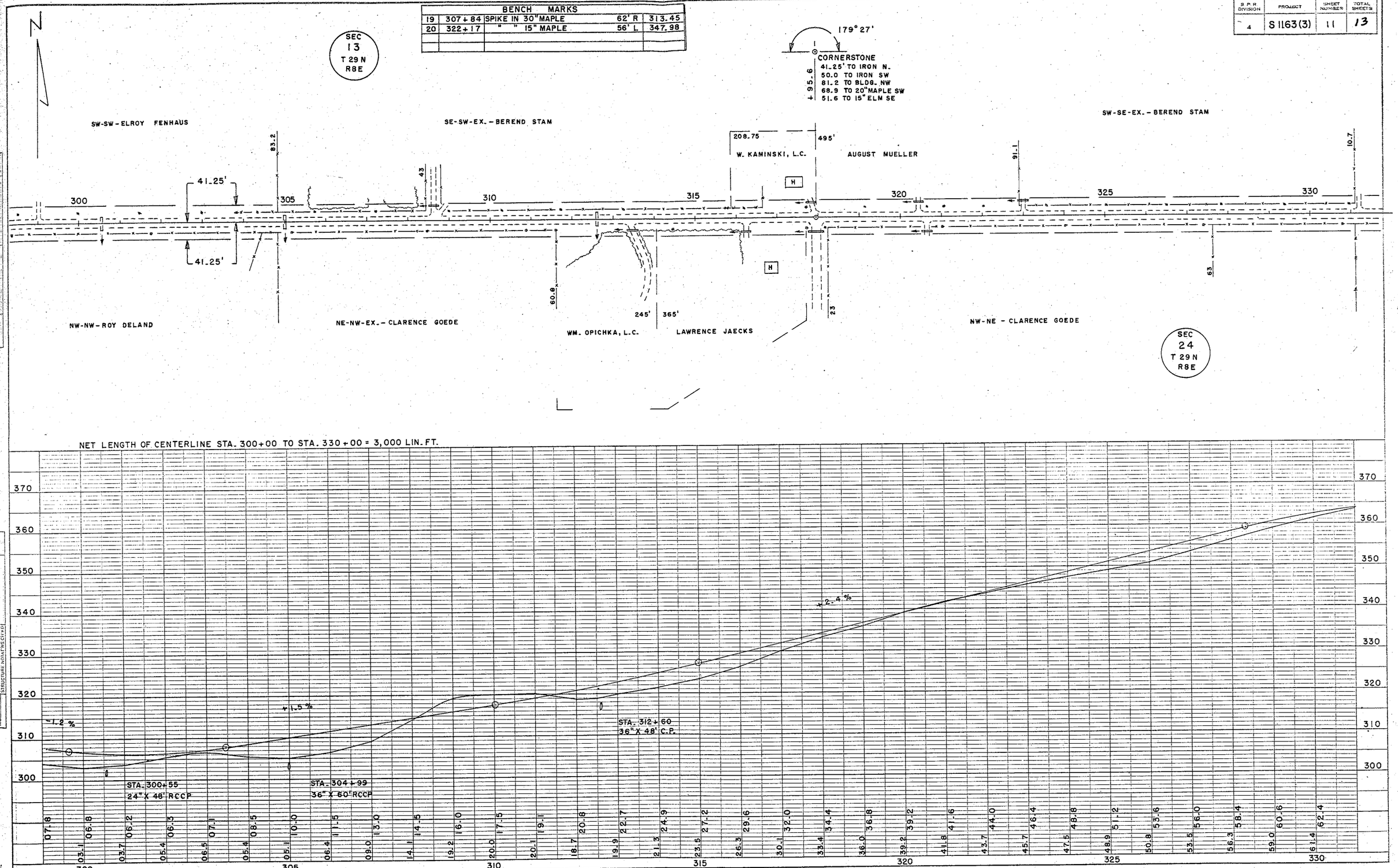
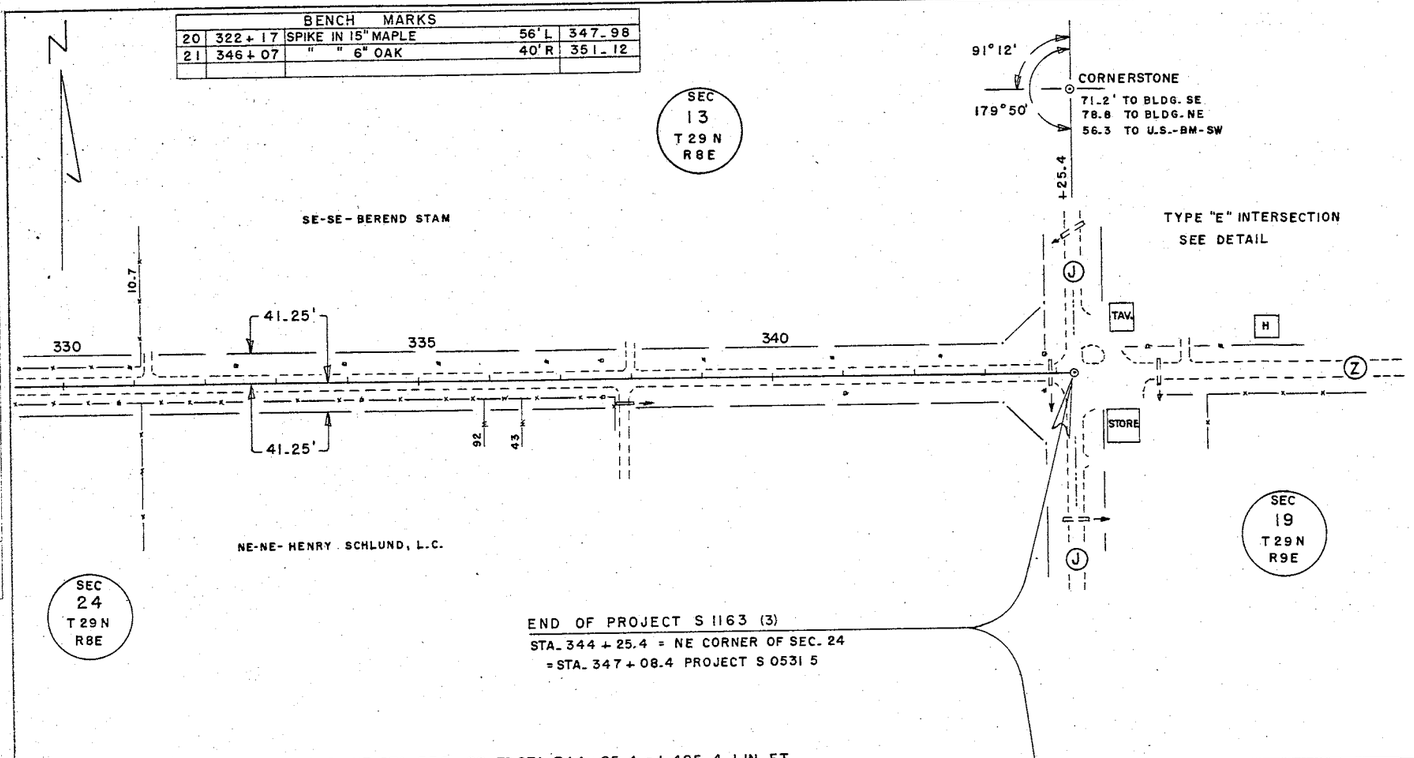


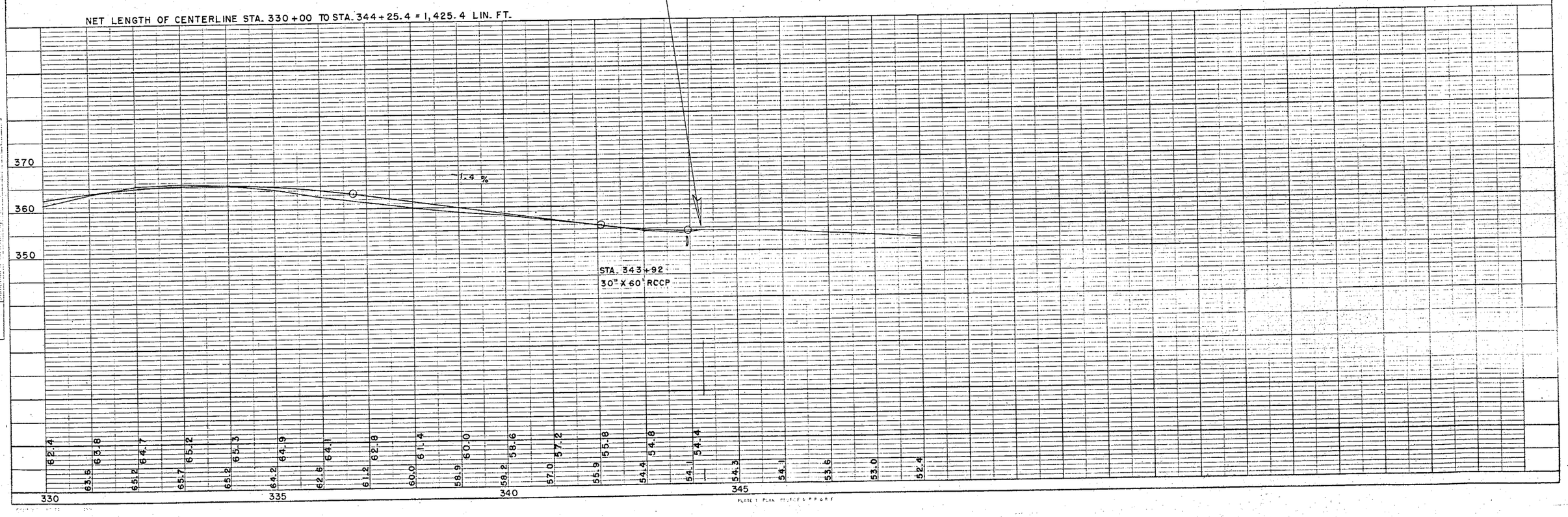
PLATE 1—PLAN—PROFILE O. P. R. & R. E.
MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

C.T.H. "Z"

BENCH MARKS				
20	322 + 17	SPIKE IN 15" MAPLE	56' L	347.98
21	346 + 07	" " 6" OAK	40' R	351.12



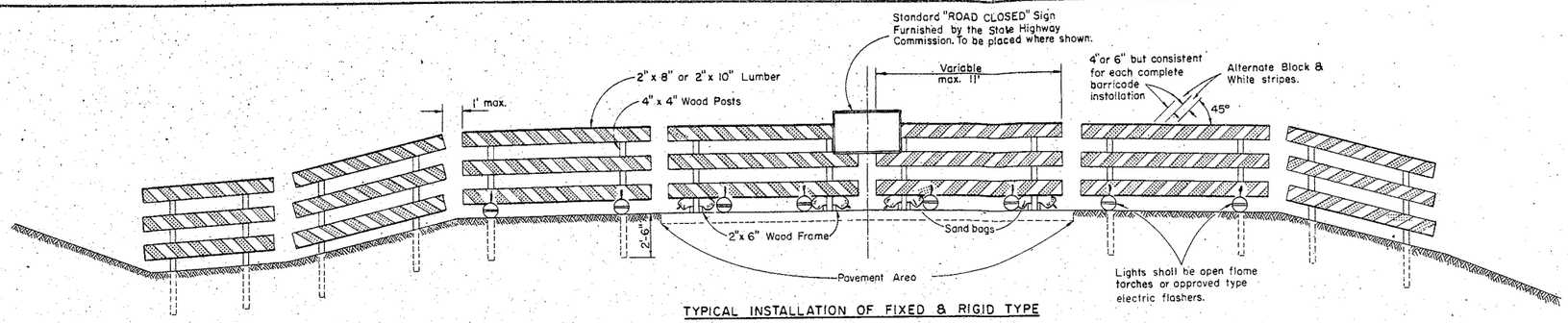
NET LENGTH OF CENTERLINE STA. 330 + 00 TO STA. 344 + 25.4 = 1,425.4 LIN. FT.



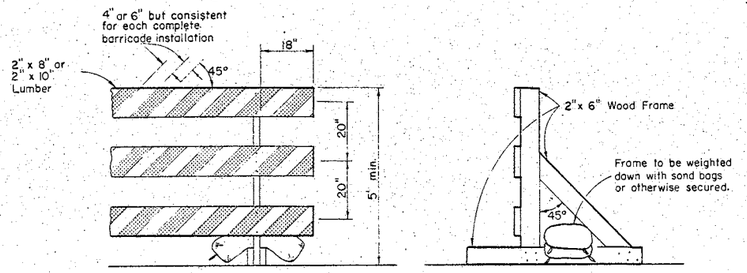
F.P.N. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
4	S 1163(3)	12	13

PLAN NOTE BOOK NO. — PROFILE NOTE BOOK NO. — C E C 10-62

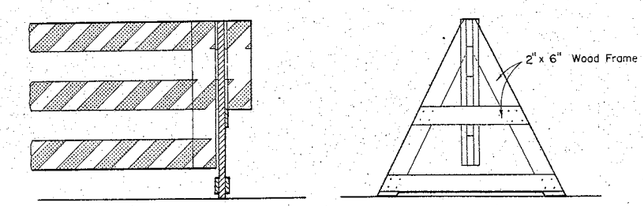
13-13



TYPICAL INSTALLATION OF FIXED & RIGID TYPE

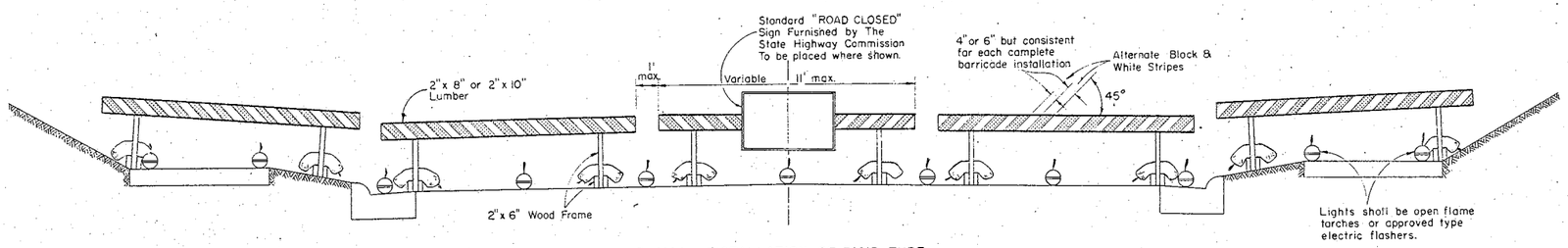


ALTERNATE TYPE INSTALLATION (RIGID)

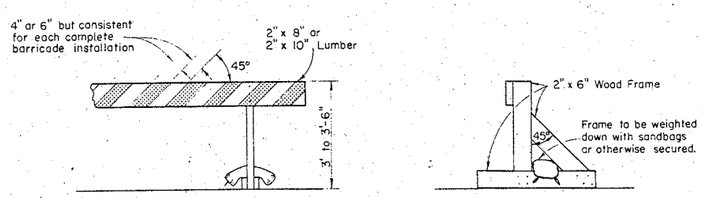


ALTERNATE TYPE INSTALLATION (DEMOUNTABLE)

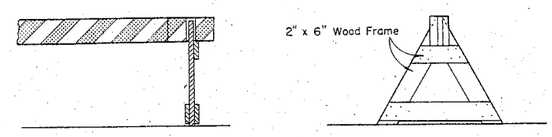
CLASS I BARRICADE



TYPICAL INSTALLATION OF RIGID TYPE



ALTERNATE TYPE INSTALLATION (RIGID)



ALTERNATE TYPE INSTALLATION (DEMOUNTABLE)

CLASS II BARRICADE

GENERAL NOTES:

The Contractor shall construct, place and maintain barricades as shown on this drawing and as required by the Standard Specifications for the duration of the project at all points of highway closure. Barricades shall be painted as shown hereon and structurally maintained for maximum visibility at all times, for the duration of the respective project.

CLASS I BARRICADE

Shall be used at points of closure where road is closed to traffic. Gates or movable sections of barricade shall be provided when necessary, for access of equipment or other authorized vehicles only.

CLASS II BARRICADE

May be used only where the hazard to traffic is relatively small, and for the more or less continuous delimiting of a restricted roadway, or for temporary daytime use.

LUMBER & FABRICATION

Lumber shall be of a grade structurally sound and sufficiently rigid to satisfactorily support and maintain the purpose and intent of a barricade facility. The fabrication of the barricade shall be in accord with good pertinent woodworking practices.

PAINTING

Barricades shall be painted as shown hereon in alternate black and white stripes. Black stripes shall be painted with weather resistant and durable black paint. White stripes shall be painted a prime coat of good grade wood primer, followed by two coats of white "Codit Reflective Liquid" (Minnesota Mining Co.) or equivalent, or reflective sheeting wide angle, flat top "Scotchlite" brand material (Minnesota Mining Co.) or equivalent.

DIRECTION OF DIAGONAL STRIPES

Where a barricade extends entirely across the roadway and no vehicle access provision, the stripes shall slope downward toward the highway centerline.

Where vehicle access is permitted, the stripes shall slope downward in the direction toward which vehicles must turn in detouring.

Where both right and left turns are provided for, the stripes shall slope downward in both directions from the center.

MEASUREMENT & PAYMENT

All barricades, unless otherwise provided for in the plans and/or special provisions shall be furnished, placed, and maintained as noted above, and no additional compensation will be allowed but shall be construed to be included in the price bid for other items.

NOTE:

Lighting devices for barricades shall conform to the requirements of the Standard Specifications.

NOTE:

All lumber or timber dimensions shown hereon are nominal.

CONSTRUCTION BARRICADE

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

2-5-63 — DATE — J. S. Pilt — ENGINEER OF DESIGN

APPROVED:

2/6/63 — DATE — E. C. Rustigan — STATE HIGHWAY ENGINEER

PLATE NO. 7-4.1.4