U-7

INDEX OF SHEETS

SHEET NO.	1	TITLE
SHEET NO.	2	TYPICAL CROSS SECTIONS
SHEET NO.	2	ESTIMATE OF QUANTITIES
SHEET NO.	2	MISCELLANEOUS QUANTITIES
SHEET NO.		RIGHT OF WAY PLAT
SHEET NO.		PLAN AND PROFILE STA. 7+04.0 TO STA. 301+07.85
SHEET NO.		STANDARD DETAILS
SHEET NO.		DRAINAGE STRUCTURES
SHEET NO.		CROSS SECTIONS

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		B.P.R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
5.6	1422.0		11.2	4 WIS.	1	

STATE OF WISCONSIN

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAN AND PROFILE OF PROPOSED

ONEIDA — S.T.H. 29 ROAD
C.T.H. "U"

BROWN COUNTY

PROJECT S 1422 (2)

PRELIMINARY

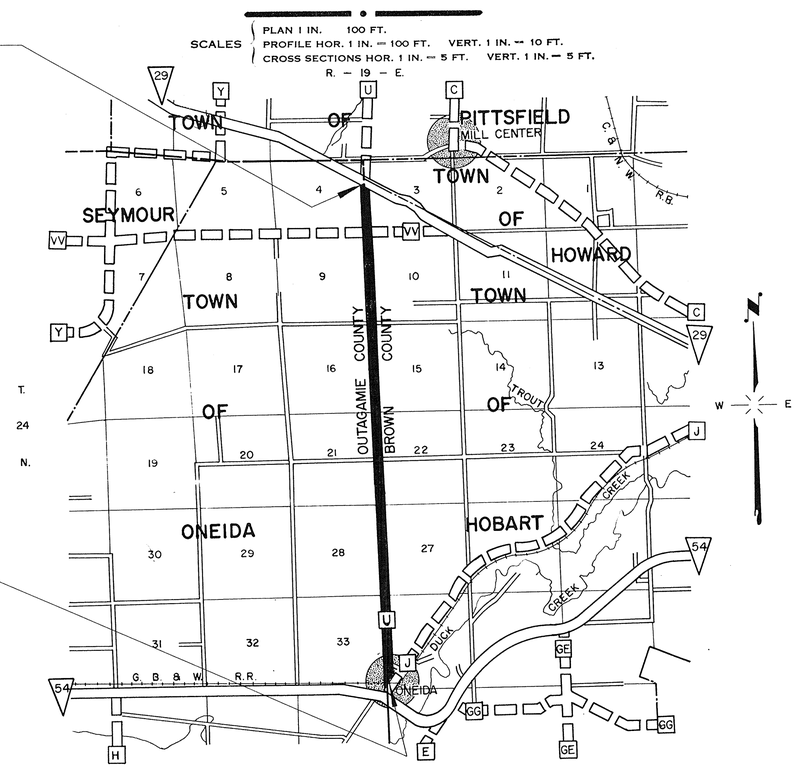
NOT APPROVED



STA. 301+07.85 END
PROJECT S 1422 (2)
1,079' SO. OF N.W. COR.
SEC 3, T 24 N. R 19 E.

STA. 7+04.0 BEGIN
PROJECT S 1422 (2)=
STA 6+98.9 PROJECT
S 1250 (2) C.T.H. "J"

SCALES { PLAN 1 IN. = 100 FT.
PROFILE HOR. 1 IN. = 100 FT. VERT. 1 IN. = 10 FT.
CROSS SECTIONS HOR. 1 IN. = 5 FT. VERT. 1 IN. = 5 FT.



LAYOUT

SCALE — ONE MILE

TOTAL NET LENGTH OF CENTERLINE = 5.569 MI.

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 / 25.9
MARSH
HEDGE
TREES
GROUND ELEVATION ..... DATUM LINE 73.9
GRADE ELEVATION ..... DATUM LINE 75.16

#124
County Project
8/29/63
In file
(Brown County "U" - S 1422(2))

STATE HIGHWAY
COMMISSION OF WISCONSIN
MADISON, WIS.

SURVEYOR D.G.N. NOTE BOOK 429 & 430
DISTRICT COMPUTER R.W.V. M. O. CHECKER
DISTRICT CHECKER R.J.H. CORRECT.

CORRECT:
DATE — DISTRICT ENGINEER

RECOMMENDED FOR APPROVAL:
DATE — ENGINEER OF DESIGN

APPROVED:
DATE — STATE HIGHWAY ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED:
DATE
DIVISION ENGINEER

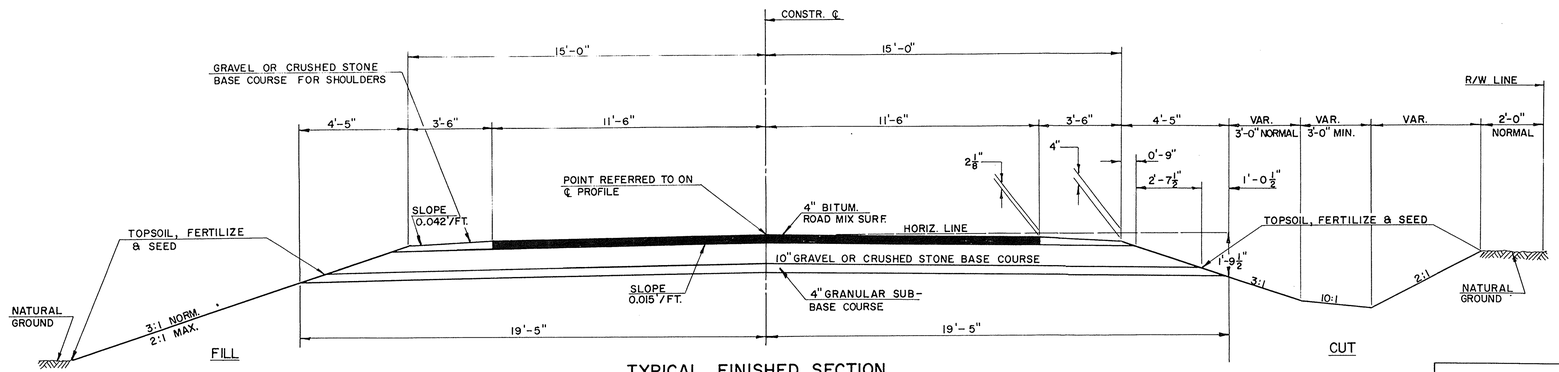
ESTIMATE OF QUANTITIES

CONTRACT NO. 1 & 2

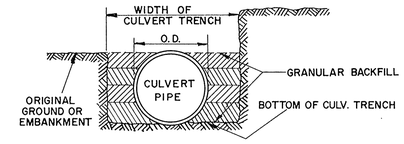
PROJECT	SHEET NUMBER	TOTAL SHEETS
S 1422 (2)	2	

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

SEC. NO.	STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING		GRUBBING		EXCAVATION UNCLASSIFIED	EXCAVATION BORROW	GRANULAR BACKFILL	GRANULAR SUB-BASE COURSE	FINISHING ROADWAY	GRAVEL OR CRUSHED STONE BASE COURSE PRODUCING & STOCKPILE	GRAVEL OR CRUSHED STONE BASE COURSE HAULING & PLACING	BITUMINOUS MAT'L. FOR PRIME COAT	BITUMINOUS ROAD MIX SURF.	BITUMINOUS MAT'L. FOR SURF. COURSE	PRODUCE AND STOCKPILE AGGREG. FOR BITUM. ROAD MIX. SURF.	CULVERT PIPE CLASS III 18"	24"	36"	42"	48"	72"	C.M.C.P. 18"	C.M.C.P. 48"	C.M.P.A. 50"X31"	58"X36"	72"X44"	CONCRETE CURB TYPE "J"	MORTAR RUBBLE DITCH CHECKS	MARKER POSTS	LANDMARK REFERENCE MONUMENTS	CALCIUM CHLORIDE SURFACE TREATMENT	TOPSOIL SALVAGED	FERTILIZER	SEEDING
	ITEM NO.		20101	20102	20104	20105	20503	20801	20901	21201	21301	30411	30416	40202	40401	40403	40407	52003	52005	52009	52010	52011	52015	52105	52113	52141	52142	52144	60104	60503	61421	62101	62301	62505	62901	63001
	UNIT	LIN. FT.	STA.	I.D.	STA.	I.D.	C.Y.	C.Y.	C.Y.	C.Y.	L.S.	TON	TON	GAL.	S.Y.	GAL.	TON	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	C.Y.	EACH	EACH	TON	SQ. YD.	CWT.	SQ. YD.
1	7+04.0 - 301+07.85	29,403.85	68	620	68	620	31,765	7,640	400	18,000	1		71,000	12,650	77,400	214,300	17,000	972	424	104	66	78	94	12	32	100	154	60	35	2	90	3	57	117,400	129	142,600
2												71,000																								
	TOTALS	29,403.85	68	620	68	620	31,765	7,640	400	18,000	1	71,000	71,000	12,650	77,400	214,300	17,000	972	424	104	66	78	94	12	32	100	154	60	35	2	90	3	57	117,400	129	142,600



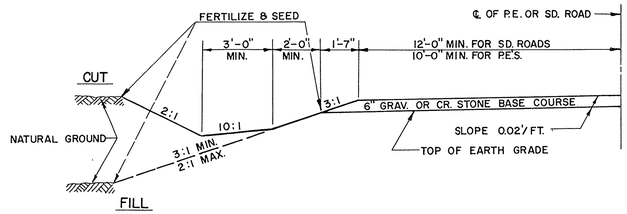
TYPICAL FINISHED SECTION



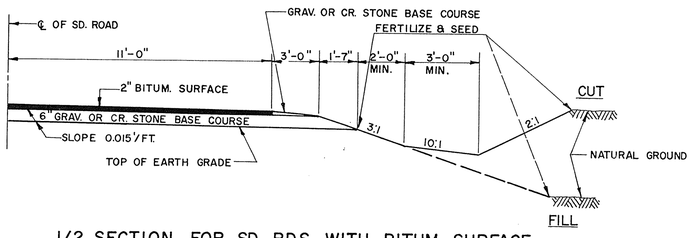
SEE STANDARD SPECIFICATIONS FOR TRENCH WIDTHS

DETAILS FOR GRANULAR BACKFILL

CULVERT PIPE					
STATION	DIAMETER	LENGTH	LOCATION	MARKERS	CLASS
24+48	18"	38'	SD. RD. RT.	2	III
225+20	24"	32'	PE. RT.	–	"
253+60	36"	50'	℄	2	"
257+50	36"	54'	℄	2	"
267+30	24"	56'	℄	2	"



1/2 SECTION FOR GRAVEL SURF. SD. ROADS AND FOR P.E.'S.



1/2 SECTION FOR SD. RDS. WITH BITUM. SURFACE

CLEARING & GRUBBING				
STATION TO STATION	CLEARING		GRUBBING	
	STA.	I. D.	STA.	I. D.
7+04 - 30+00	–	176	–	176
30+00 - 36+00	6	–	6	–
36+00 - 61+00	–	6	–	6
61+00 - 64+00	3	–	3	–
64+00 - 180+00	–	292	–	292
180+00 - 183+00	3	–	3	–
183+00 - 214+00	–	64	–	64
214+00 - 249+00	35	–	35	–
249+00 - 275+00	–	24	–	24
275+00 - 296+00	21	–	21	–
296+00 - 301+07	–	24	–	24

MARKER POSTS			
STATION TO STATION	LOCATION	SPACING	NUMBER
145+50 - 147+00	LT. & RT.	50	8
151+50 - 154+00	" "	50	12
179+00 - 184+00	LT.	100	5
181+00 - 183+00	RT.	50	5
CULVERT PIPES			44
TRAFFIC ISLAND			3
UNDISTRIBUTED			13
TOTAL			90

CULVERT PIPE					
STATION	DIAMETER	LENGTH	LOCATION	MARKERS	CLASS
7+80	18"	56'	℄	2	III
9+00	18"	40'	P.E. LT.	–	"
18+07	18"	38'	S.R. RT.	2	"
24+05	24"	52'	℄	2	"
37+51	24"	62'	℄	2	"
49+05	58"X36"	58'	℄	2	C.M.P.A.
55+95	58"X36"	38'	S.R. LT.	2	"
63+62	58"X36"	30'	P.E. LT.	2	"
80+95	58"X36"	28'	P.E. LT.	–	"
83+00	24"	30'	P.E. RT.	–	III
101+94	24"	30'	P.E. LT.	–	"
132+12	72"X44"	60'	℄	2	C.M.P.A.
135+37	50"X31"	38'	S.R. LT.	2	"
135+68	50"X31"	62'	℄	2	"
146+09	48"	78'	℄	2	III
152+60	48"	16'	℄ LT. EXT.	1	C.M.C.P.
152+60	48"	16'	℄ RT. EXT.	1	"
164+26	24"	50'	℄	2	III
181+65	72"	94'	℄	2	"
196+25	24"	52'	℄	2	"
225+78	42"	66'	℄	2	"
237+05	24"	60'	℄	2	"
300+62	18"	6'	℄ LT. EXT.	1	C.M.C.P.
300+62	18"	6'	℄ RT. EXT.	1	"
25 EACH	18"	32'	P.E.'S	–	III

GRAVEL OR CRUSHED STONE BASE COURSE	
LOCATION	TONS
MAINLINE	62,500
SHOULDERS	6,300
SD. RD'S & P.E'S	2,200
TOTAL	71,000

GENERAL NOTES

CONSTRUCTION DETAILS NOT SHOWN HERE SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATION AND THE APPLICABLE SPECIAL PROVISIONS.

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

STANDARD DETAIL DRAWINGS

CONCRETE CURB, & GUTTER	3 - 1.1.7
CORRUGATED METAL PIPE ARCH	6 - 5.3.2
MARKER POSTS	7 - 1.3.4
CONSTRUCTION BARRICADE	7 - 4.1.4
DITCH CHECKS, M.R.M. & SOD	8 - 1.3.1
SIDE ROAD LAYOUT DETAILS	9 - 1.1.4
LANDMARK REFERENCE MONUMENTS	12 - 1.1.2

TYPICAL CROSS SECTION

FOR

ULTIMATE 22' BITUMINOUS PAVEMENT

AND

MISCELLANEOUS CONSTRUCTION DETAILS

SCALE VARIABLE

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1422 (2)		

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1	8+88	PT. MK. N.E. COR. CONC. PLAT. 100'LT.	755.43
2	14+90	SPIKE IN 11" MAPLE 105'RT.	755.61
3	18+90	" " 8" " 70'RT.	748.93
4	26+75	" " HIGH POWER LINE 95'RT.	746.54

STA. 9+00 P.E. LT.
18" X 40' C.P. CL. III REQ'D.

C.T.H. "J"
CHORD DEF.
CURVE NOTES

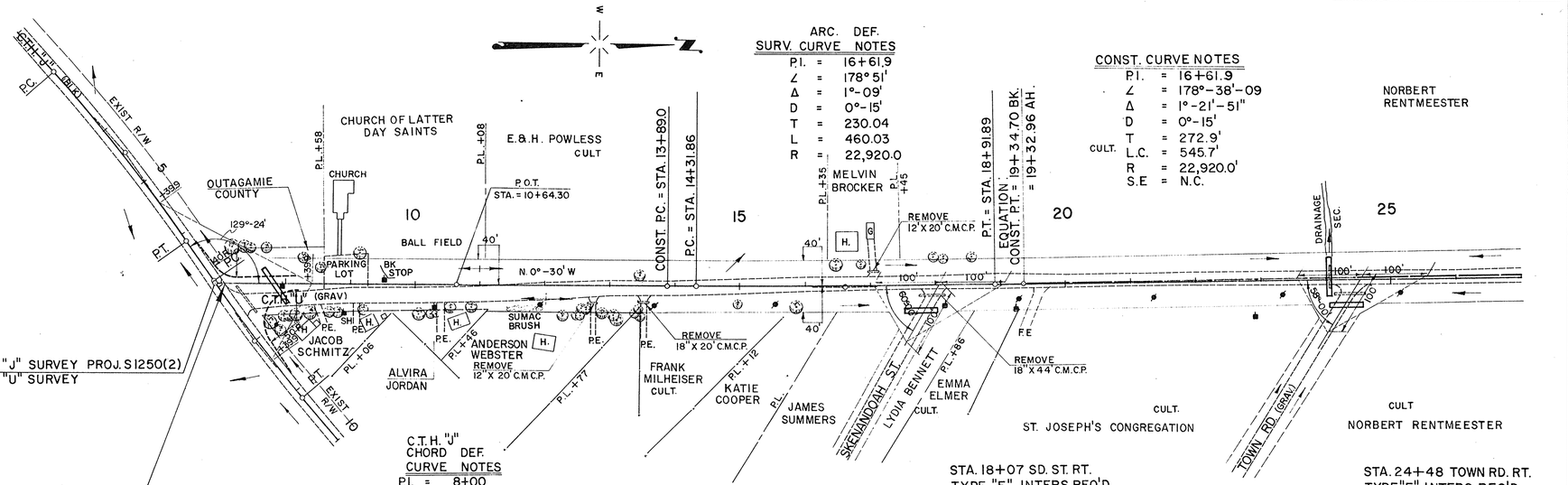
P.I. =	4+46.96
∠ =	186°-38'
Δ =	6°-38'
D =	2°-00'
T =	166.00'
L =	331.67'
R =	2864.79'
P.C. =	2+80.96
P.T. =	6+12.63

ARC. DEF.
SURV. CURVE NOTES

P.I. =	16+61.9
∠ =	178°51'
Δ =	1°-09'
D =	0°-15'
T =	230.04
L =	460.03
R =	22,920.0

CONST. CURVE NOTES

P.I. =	16+61.9	
∠ =	178°-38'-09	
Δ =	1°-21'-51"	
D =	0°-15'	
T =	272.9'	
CULT. L.C. =	545.7'	
R =	22,920.0'	
S.E =	N.C.	



STA. 6+89.9 C.T.H. "J" SURVEY PROJ. S1250(2)
STA. 6+89.9 C.T.H. "U" SURVEY

STA. 7+04 BEG. OF
PROJECT S 1422 (2)

C.T.H. "J"
CHORD DEF.
CURVE NOTES

P.I. =	8+00
∠ =	174°-19'
Δ =	5°-41'
D =	2°-30'
T =	113.76'
L =	227.33'
R =	2291.83'
P.C. =	6+86.24
P.T. =	9+13.57

STA. 18+07 SD. ST. RT.
TYPE "E" INTERS. REQ'D.
SEE ST'D. DRAWING NO. 9-1.14
18" X 38' C.P. CL. III REQ'D.

STA. 24+48 TOWN RD. RT.
TYPE "E" INTERS REQ'D.
SEE ST'D. DRAWING NO. 9-1.14
REMOVE 18" X 44' C.M.C.P.
18" X 38' C.P. CL. III REQ'D.

NET LENGTH OF CENTERLINE		
STATION	TO STATION	LIN. FT.
7+04	25+00	1797.7

UNC EXC. = 3,288 C.Y.
FILL = 583 C.Y.
HAUL 430 C.Y. TO STA. 48+09 – 60+00
HAUL 1,748 C.Y. TO STA. 69+06 – 87+74
HAUL 282 C.Y. TO STA. 99+00 – 104+14

UNC. EXC. = 753 C.Y.
FILL = 515 C.Y.

PROFILES ON SKENANDOAH ST.

PROFILES ON TOWN RD. @ STA. 24+48

GENERAL NOTES

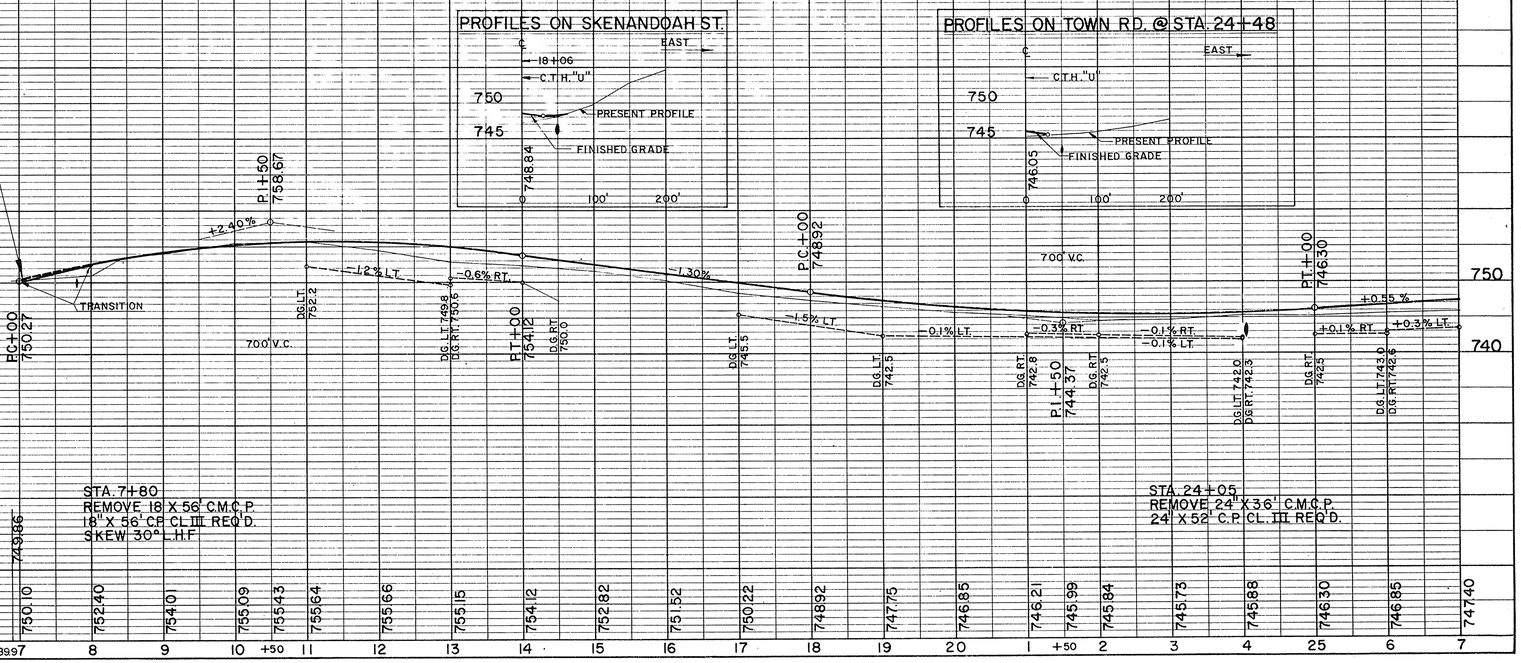
DETAILS OF CONSTRUCTION NOT SHOWN SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS & STANDARD DETAIL DRAWINGS.

THE EXACT LOCATION OF CULVERT PIPES, MARKER POSTS, PRIVATE ENTRANCES AND FIELD ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

CUBIC YARDS OF FILL AS SHOWN ON THE PLAN SHEETS PERTAINS TO ENBANKMENT CONSTRUCTED FROM UNCLASSIFIED EXCAVATION, COMPUTED WITH A SHRINKAGE ALLOWANCE OF 25% TO 45% AND BORROW EXCAVATION WITH A SHRINKAGE ALLOWANCE OF 25%.

LEGEND

UNC. EXC.	UNCLASSIFIED EXCAVATION
C.M.C.P.	CORRUGATED METAL CULVERT PIPE
C.P.	CULVERT PIPE
P.E.	PRIVATE ENTRANCE
F.E.	FIELD ENTRANCE
SD. RD.	SIDE ROAD
D.G.	DITCH GRADE
V.C.	VERTICAL CURVE
■	POWER POLE
ø	TELEPHONE POLE
L.H.F.	LEFT HAND FORWARD
P.L.	PROPERTY LINE



STA. 7+80
REMOVE 18 X 56' C.M.C.P.
18" X 56' C.P. CL. III REQ'D.
SKEW 30° L.H.F.

STA. 24+05
REMOVE 24" X 36' C.M.C.P.
24" X 52' C.P. CL. III REQ'D.

PLAN: SURVEYED — BY; ROUTED — DATE 3-62; GRADES CHECKED — BY D.G.N.; ALIGNMENT CHECKED — DATE 3-62; RT. OF WAY CHECKED — BY D.L.K.; NOTE BOOK NO. 429

PROFILE: SURVEYED — BY; ROUTED — DATE 3-62; GRADES CHECKED — BY D.G.N.; B. M.'S NOTED — DATE 4-62; STRUCTURE NOTATIONS CHK'ED — BY W.E.M.; NOTE BOOK NO. 430

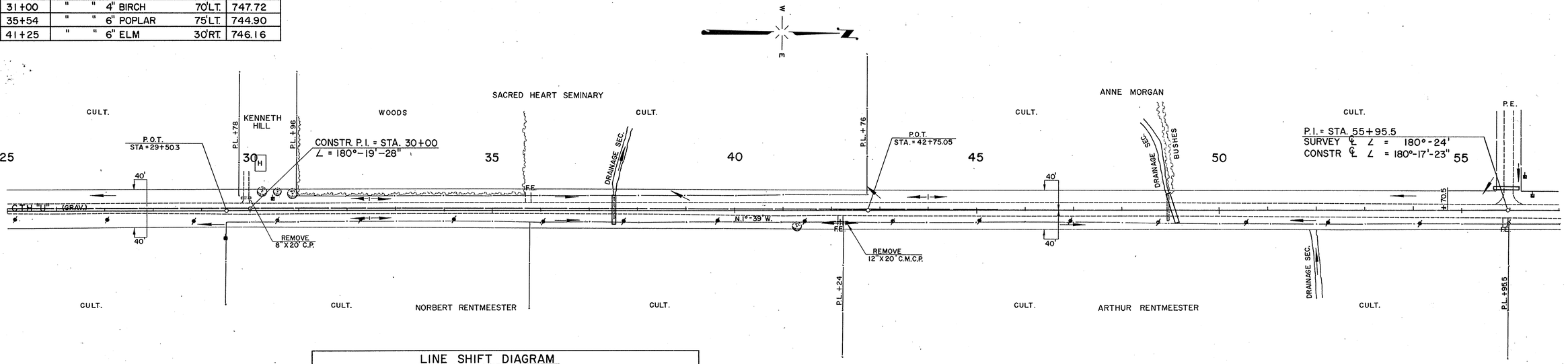
BRUNING NO. 601 23561

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

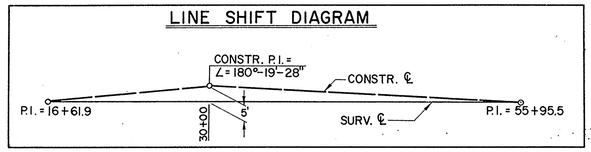
B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1422 (2)		

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
4	26+75	SPIKE IN HIGH POWER POLE 95'RT.	746.54
5	31+00	" " 4" BIRCH 70'LT.	747.72
6	35+54	" " 6" POPLAR 75'LT.	744.90
7	41+25	" " 6" ELM 30'RT.	746.16



LINE SHIFT DIAGRAM



NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
25+00	55+00	3,000.0

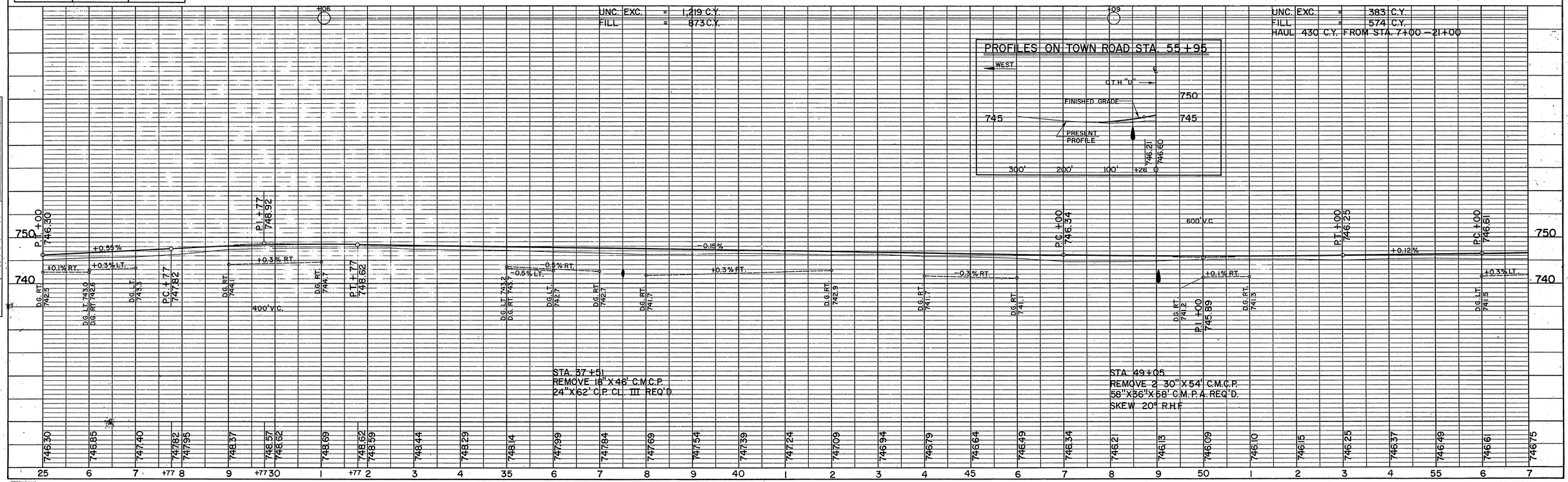
PLAN		DATE
SURVEYED	D. G. N.	3-62
PLOTTED	D. H. C.	
NOTE BOOK ALIGNMENT CHECKED.		
NO. 429 RT. OF WAY CHECKED.		

PROFILE		DATE
SURVEYED	D. G. N.	4-62
PLOTTED	G. F. K.	4-62
GRADES CHECKED.		
B. M. NOTED	W. E. M.	4-62
NO. 430 STRUCTURE NOTATNS CHKD.		

UNC. EXC. = 1,219 C.Y.
FILL = 873 C.Y.

UNC. EXC. = 383 C.Y.
FILL = 574 C.Y.
HAUL 430 C.Y. FROM STA. 7+00 - 21+00

PROFILES ON TOWN ROAD STA. 55+95



BRUNING NO. 601 23561

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

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1422 (2)		

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
8	60+90	SPIKE IN 14" ELM 70'RT.	747.53
9	65+60	" " 12" APPLE 70'LT.	749.18
10	74+85	" " 10" APPLE 40'LT.	750.03

STA. 55+95.5 TOWN RD. LT.
TYPE "E" INTERSECTION REQ'D.
SEE ST'D. DRAWING NO. 9-1.1.4
58"X36"X38' C.M.P.A. REQ'D.

STA. 63+62 P.E. LT.
REMOVE 2-24"X20' C.M.C.P.
58"X36"X30' C.M.P.A. REQ'D.

STA. 80+95 P.E. LT. H.
REMOVE 2-24"X14' C.M.C.P.
58"X36"X28' C.M.P.A. REQ'D.

STA. 83+00 P.E. RT.
REMOVE 24"X14' C.M.C.P.
24"X30' C. P. CL. III REQ'D.

PLAN

SURVEYED D. G. N.
PLOTTED W. E. M.
ALIGNMENT CHECKED
NOTE BOOK RT. OF WAY CHECKED
No. 429

ERVIN MIKLE — CULT. — NORBERT RENTMEESTER — CULT. — ARTHUR RENTMEESTER — CULT. — WM. ESAUK JR. — CULT. — U. S. A. — CULT.

P.E. — P.I. = STA. 55+95.5, Δ = 180°-24' (SURVEY ℄) — REMOVE 58"X36"X34' C.M.P.A. — C.T.H. "U" (GRAV.) — F.E. — HO. — CEDAR SHRUBS — WOODS — REMOVE 18"X20' C.M.C.P — P.L. + 95.5 — P.L. + 90 — P.L. + 85.35 — P.O.T. STA. 70+85.35 — N. 0° - 15' W. — DRAINAGE SEC. — P.I. = STA. 82+39.85, Δ = 179°-53' — 40'

55 60 65 70 75 80 85

NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
55+00	85+00	3,000.00

UNC. EXC. = 776 C.Y.
FILL = 543 C.Y.

UNC. EXC. = 848 C.Y.
FILL = 1829 C.Y.
HAUL IN 1748 C.Y. FROM STA. 7+00 - 21+00

PROFILE

SURVEYED D. G. N. 3-62
PLOTTED G. E. K. 4-62
GRADES CHECKED
NOTE BOOK W. E. M. 4-62
No. 430
STRUCTURE NOTATNS CH'KD

+00 — P.C. +00, 746.61 — D.G. LT. 741.5 — D.G. RT. 742.0 — P.I. +00, 746.97 — 600' V.C. — +0.12% — +0.40% — +0.3% RT. — +0.3% LT. — P.T. +00, 748.17 — P.C. +00, 748.97 — D.G. LT. 741.2 — D.G. RT. 741.4 — P.I. +00, 749.77 — +0.2% RT. — +0.1% LT. — 400' V.C. — P.T. +00, 749.85 — D.G. RT. 745.0 — +0.04% — D.G. LT. 744.8 — P.C. +50, 749.99 — P.I. +50, 750.07 — 400' V.C. — +0.1% LT. — D.G. LT. 745.7 — D.G. RT. 745.0 — P.T. +50, 750.43 — +0.2% LT. — +0.18% — D.G. LT. 746.1 — +0.1% RT. — D.G. RT. 745.5 — P.C. +00, 751.78 — 600' V.C. — +0.1% LT. — +0.4% RT. — D.G. LT. 746.4 — D.G. RT. 746.3 — +0.2% RT. — +0.1% LT. — +0.3% LT. — D.G. LT. 746.8 — P.I. +00, 752.32 — +0.3% LT. & RT. — D.G. RT. 747.11 — D.G. LT. 747.4 — +06

746.49 746.61 746.75 746.94 747.18 747.46 747.79 748.17 748.57 748.97 749.32 749.59 749.76 749.85 749.89 749.93 749.97 749.99 750.01 750.09 750.14 750.20 750.34 750.43 750.52 750.70 750.88 751.06 751.24 751.42 751.60 751.78 751.99 752.26 752.59 752.98

55 6 7 8 9 60 1 2 3 4 65 6 7 8 9 70 1 +50 2 3 +50 4 75 +50 6 7 8 9 80 1 2 3 4 85 6 7

750 740

(BRUNING) NO. 601 23561

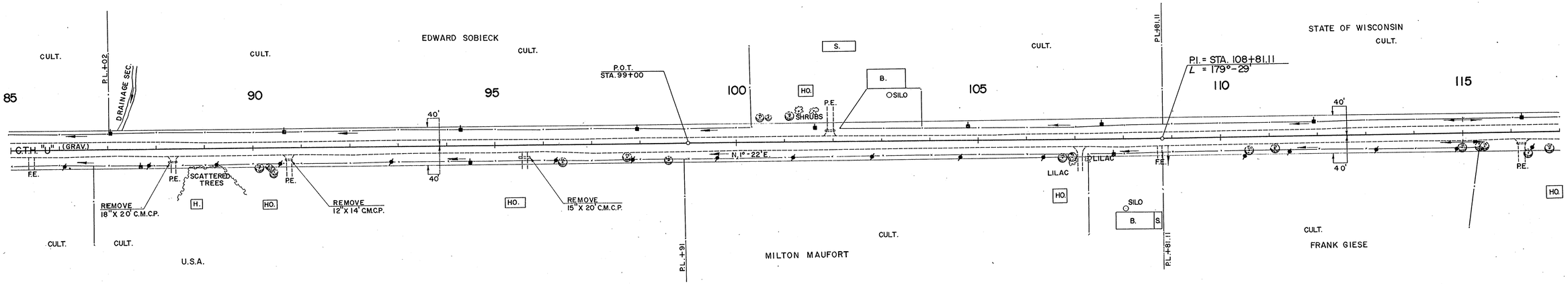
PLATE 1—PLAN—PROFILE O. P. R. & R. E.
MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1422 (2)		

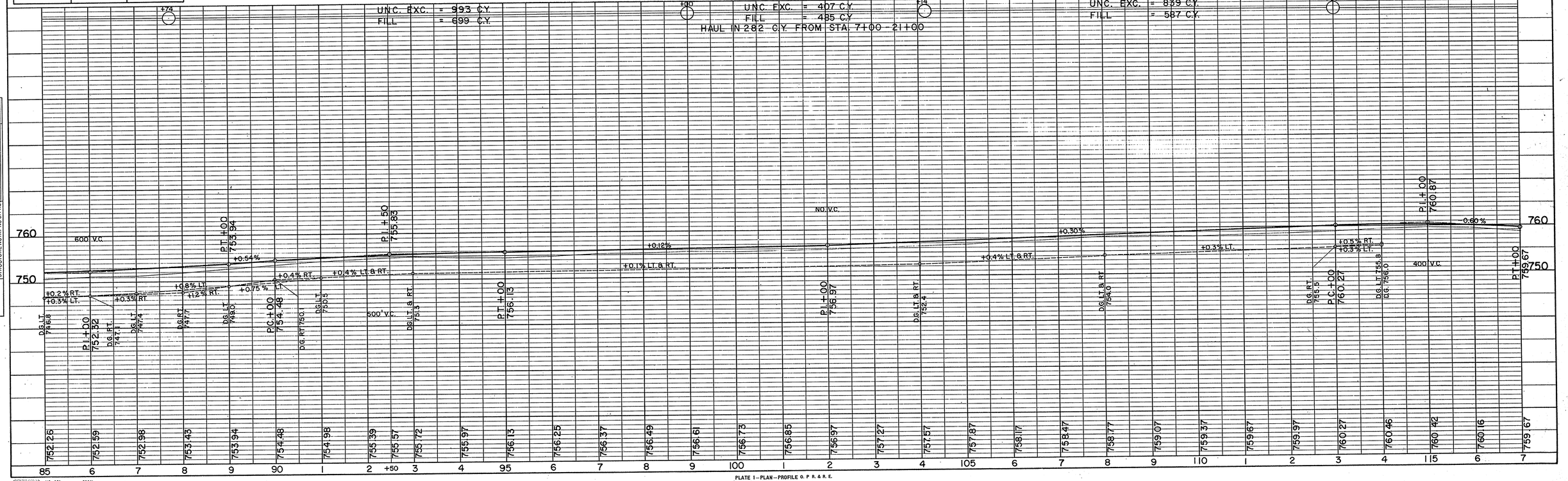
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
11	88+55	SPIKE IN 18" ELM 60'RT.	751.35
12	101+10	" " 20" TRIPLE B.E. 65'LT.	755.61
13	108+75	" " 15" ELM 150'LT.	759.69

STA. 101+94 P.E. LT.
REMOVE 24" X 20' C.M.C.P.
24" X 30' C.P. CL. III REQ'D.



NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
85+00	115+00	3000.0



PLAN	BY	DATE
SURVEYED	D.G.N.	3-62
PLOTTED	G.E.K.	4-62
NOTE BOOK	CHECKED	
NO. 429	ALIGNMENT CHECKED	
	RT. OF WAY CHECKED	

PROFILE	BY	DATE
SURVEYED	D.G.N.	3-62
PLOTTED	G.E.K.	4-62
NOTE BOOK	CHECKED	
NO. 430	B. M.'S NOTED	W.E.M. 4-62
	STRUCTURE NOTATIONS CHKD.	

BRUNING NO. 601 23561

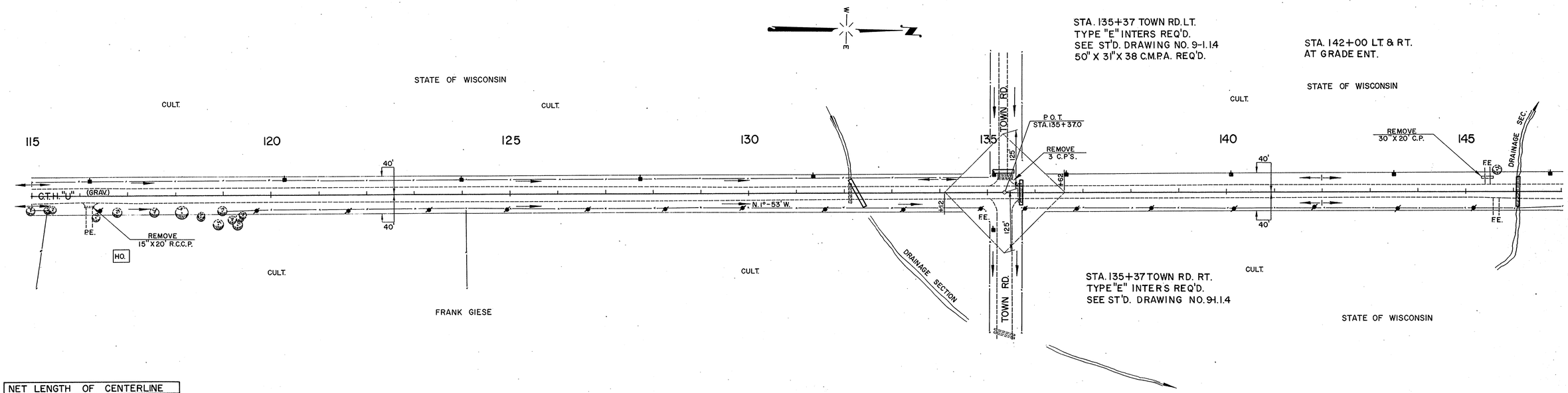
PLATE 1—PLAN—PROFILE O. P. R. & R. E.
MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
14	119+27	SPIKE IN 18" ELM 85' RT.	756.91

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1422 (2)		

PLAN — SURVEYED: BY D. G. N. — PLOTTED: BY W. E. M. — DATE 3-62 — NOTE BOOK — ALIGNMENT CHECKED — GRADES CHECKED — AS STAKED — STRUCTURE NOTATNS CHKD — NO. 429 — R.T.S.P. HWY. CHECKED



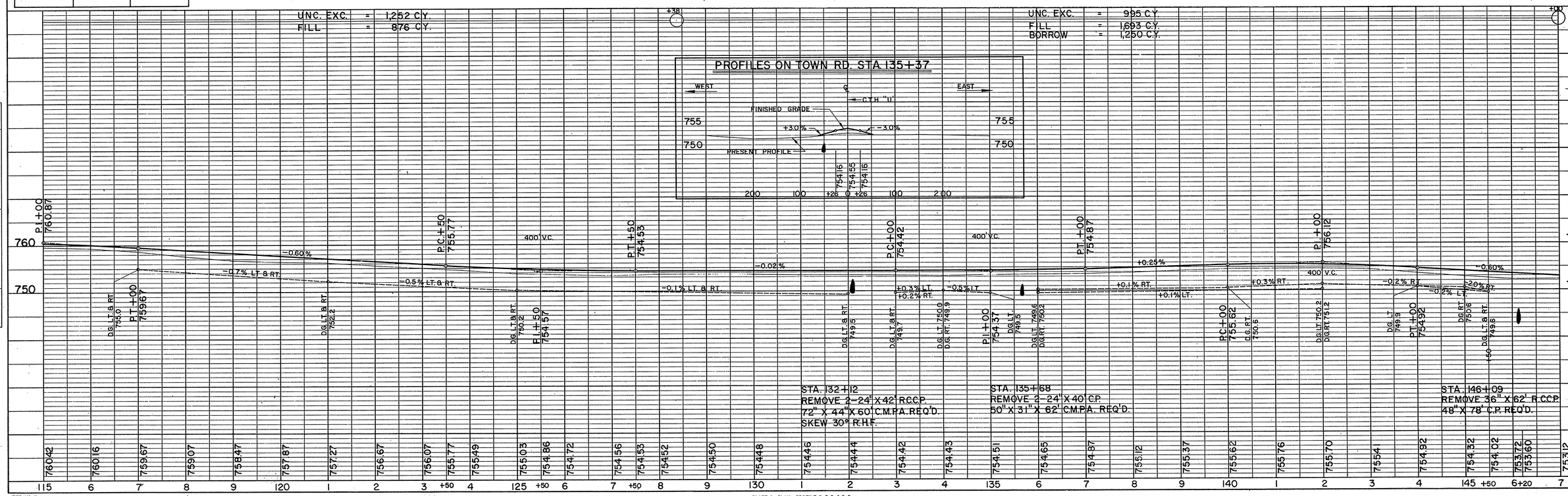
NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
115+00	145+00	3,000.0

PROFILE — SURVEYED: BY D. G. N. — PLOTTED: BY G. E. K. — GRADES CHECKED: BY W. E. M. — NOTE BOOK — AS STAKED — STRUCTURE NOTATNS CHKD — NO. 429 — DATE 3-62 / 4-62 / 4-62

UNC. EXC. = 1,252 C.Y.
FILL = 876 C.Y.

UNC. EXC. = 995 C.Y.
FILL = 1,693 C.Y.
BORROW = 1,250 C.Y.

PROFILES ON TOWN RD. STA. 135+37
WEST — EAST — C.T.H. "U" — FINISHED GRADE — +3.0% — -3.0% — PRESENT PROFILE
755 / 750
754.16 754.55 754.16
200 100 +26 0 +26 100 200



STA. 132+12
REMOVE 2-24" X 42' R.C.C.P.
72" X 44" X 60' C.M.P.A. REQ'D.
SKEW 30° R.H.F.

STA. 135+68
REMOVE 2-24" X 40' C.P.
50" X 31" X 62' C.M.P.A. REQ'D.

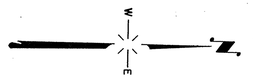
STA. 146+09
REMOVE 36" X 62' R.C.C.P.
48" X 78' C.P. REQ'D.

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1422 (2)		

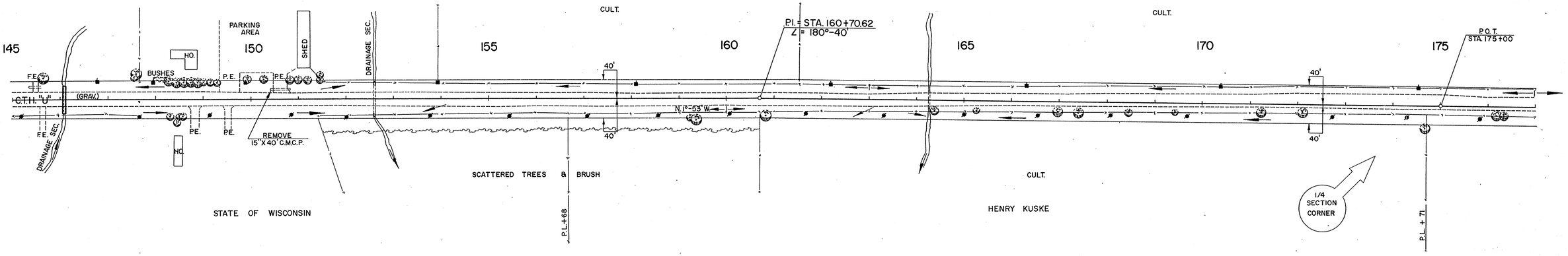
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
15	148+48	P.T. MK. BOTT. STEP 76' RT.	753.58
16	156+21	SPIKE IN 12" ELM 60' RT.	751.57
17	160+80	" " 12" ELM 65' RT.	749.75
18	174+67	" " 18" MAPLE 50' RT.	760.36

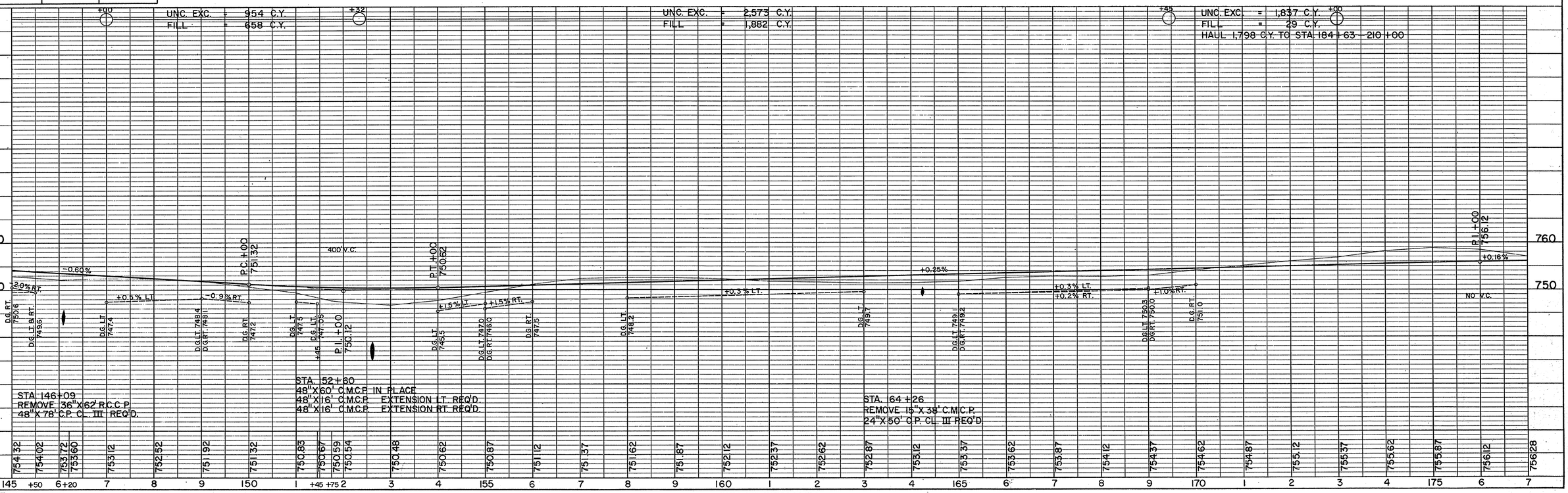
STA. 149 + 50 P.E. LT.
GRADE ENT.



STATE OF WISCONSIN



NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
145+00	175+00	3,000.00



PLAN	BY	DATE
SURVEYED	D. G. N.	3-62
PLOTTED		
NOTE BOOK ALIGNMENT CHECKED		
NO. 429 RT. OF WAY CHECKED		

PROFILE	BY	DATE
SURVEYED	D. G. N.	3-62
PLOTTED	G. E. K.	4-62
NOTE BOOK GRADES CHECKED		
NO. 430 B. M.'S NOTED	W. E. M.	4-62
STRUCTURE NOTATIONS CHKD.		

BRUNING NO. 601 23561

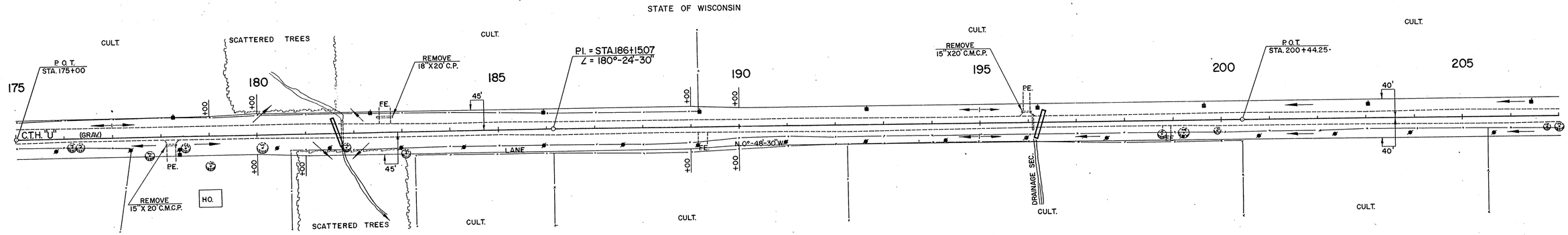
PLATE 1—PLAN—PROFILE O. P. R. & R. E.
MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1422 (2)		

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
19	180+90	SPIKE IN 9" ELM 60' RT.	760.36
20	196+20	" " POWER POLE 65' LT.	757.96

STATE OF WISCONSIN



STA. 178 + 20 RT.
GRADE ENT.

RUSSELL THIES

NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
175 + 00	205 + 00	3,000.00

UNC. EXC. = 4,917 C.Y.
FILL = 3,878 C.Y.

UNC. EXC. = 2,151 C.Y.
FILL = 2,834 C.Y.
HAUL IN 1,798 C.Y. FROM STA. 169+45 – 173+00

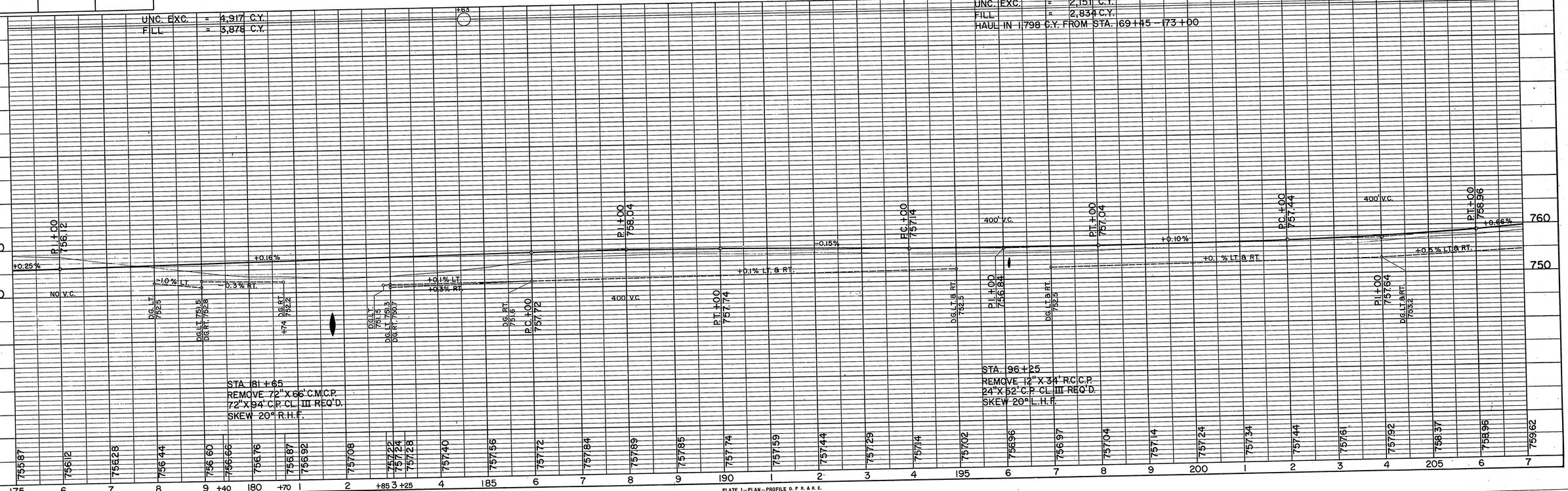


PLATE 1—PLAN—PROFILE O. P. R. & R. E.
MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

BRUNING NO. 601 23561

PLAN — SURVEYED BY D. G. N. 3-62; PLOTTED D. G. N. 3-62; NOTE BOOK NO. 423; ALIGNMENT CHECKED W. E. M. 3-62; RT. OF WAY CHECKED

PROFILE — SURVEYED BY D. G. N. 3-62; PLOTTED G. E. K. 4-62; NOTE BOOK NO. 430; GRADES CHECKED W. E. M. 3-62; STRUCTURE NOTATIONS CHKD.

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1422 (2)		

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
21	214+30	SPIKE IN 6" POPLAR 60' RT.	761.60
22	219+48	" " 4" " 50' RT.	759.68
23	225+82	" " 14" MAPLE 78' RT.	758.08
24	231+88	" " 6" ELM 56' RT.	757.22
25	236+50	" " 4" BIRCH 46' RT.	757.20

STA. 214+00.4 TOWN RD. LT. & RT.
TYPE "E" INTERSECTION REQ'D.
SEE ST'D. DRAWING NO. 9-1.1.4

STATE OF WISCONSIN

U.S.A.

WOODS

BRUSH

REMOVE 12"X20' C.P.

P.E.

HO.

P.I. = STA. 214+00.4
Δ = 180°-50'

TOWN RD.

DRAINAGE DITCH

P.O.T. STA. 228+00

205 210 215 220 225 230 235

I.C.T.H. "U" (GRAV.)

175.4

125

125

225

N. 0°-48'-30" W.

F.E.

F.E.

F.E.

100

100

100

100

45'

40'

40'

TREES

TREES

HO.

P.E.

REMOVE 18"X20' C.M.C.P.

REMOVE 18"X20' C.M.C.P.

HO.

DRAINAGE DITCH

CULT.

WOODS

WOODS

RUSSELL THIES

U.S.A.

STA. 225+20 P.E. RT.
24"X32' C.P. REQ'D.

NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
205+00	235+00	3,000.00

UNC. EXC. = 985 C.Y.
FILL = 691 C.Y.

UNC. EXC. = 787 C.Y.
FILL = 1,984 C.Y.
BORROW = 1,790 C.Y.

UNC. EXC. = 448 C.Y.
FILL = 1,652 C.Y.
BORROW = 1,670 C.Y.

PROFILES ON TOWN RD. STA. 214+00

WEST EAST

℄ C. T. H. "U"

765 765

760 760

FINISHED GRADE

PRESENT PROFILE

200 100 0 100 200

763.30

P.T. +00
758.96

+0.66%

+0.5% LT. & RT.

+0.7% LT. & RT.

400' V.C.

P.I. +50
763.90

-0.53%

P.C. +00
762.04

400' V.C.

-0.3% LT. & RT.

P.T. +00
760.74

P.I. +00
760.98

-0.12%

0.5%
0.7%
LT.

-0.25% LT.
-0.1% RT.

+0.2% RT.
+0.1% LT.

+0.1% RT.
+0.1% LT.

-0.1% RT.
+0.1% LT.

P.C. +93
759.19

400' V.C.

P.I. +93
758.98

-0.1% LT.

D.G. LT. 757.3
D.G. RT. 757.5

D.G. LT. 8 RT.
755.7

D.G. LT. 8 RT.
758.5

P.T. +50
762.84

P.C. +50
762.59

D.G. LT. 7595.4
D.G. RT. 7595.7

D.G. LT. 7545
D.G. RT. 7564.3

D.G. LT. 7540
D.G. RT. 7541

D.G. LT. 8 RT.
754.0

D.G. RT.
754.6

D.G. RT.
754.9

D.G. LT. 754.8
D.G. RT. 754.7

D.G. LT.
754.5

STA. 225+78
REMOVE 36"X48' C.M.C.P.
42"X66' C.P. CL. III REQ'D.
SKEW 30° R.H.F

758.37 758.96 759.62 760.28 760.94 761.60 762.26 762.59 762.88 763.25 763.31 763.30 763.06 762.84 762.57 762.04 761.56 761.19 760.91 760.74 760.62 760.50 760.38 760.26 760.14 760.02 759.90 759.78 759.66 759.54 759.42 759.30 759.18 759.10 759.09 759.14

205 6 7 8 9 210 1 +50 2 3 +50 4 215 +50 6 7 8 9 220 1 2 3 4 225 6 7 8 9 230 1 2 3 +93 4 235 +93 6 7

PROFILE	BY	DATE
SURVEYED	D. G. N.	3-62
PLOTTED	G. E. K.	4-62
NOTE BOOK		
GRADES CHECKED	W. E. M.	4-62
NO. 430		
STRUCTURE NOTATNS CH'KD		

PLAN	BY	DATE
SURVEYED	D. G. N.	3-62
PLOTTED		"
NOTE BOOK		
ALIGNMENT CHECKED	W. E. M.	
NO. 429		
EXT. OF MAT CHECKED		

(BRUNING) NO. 601 33561

PLATE 1—PLAN—PROFILE O. P. R. & R. E.

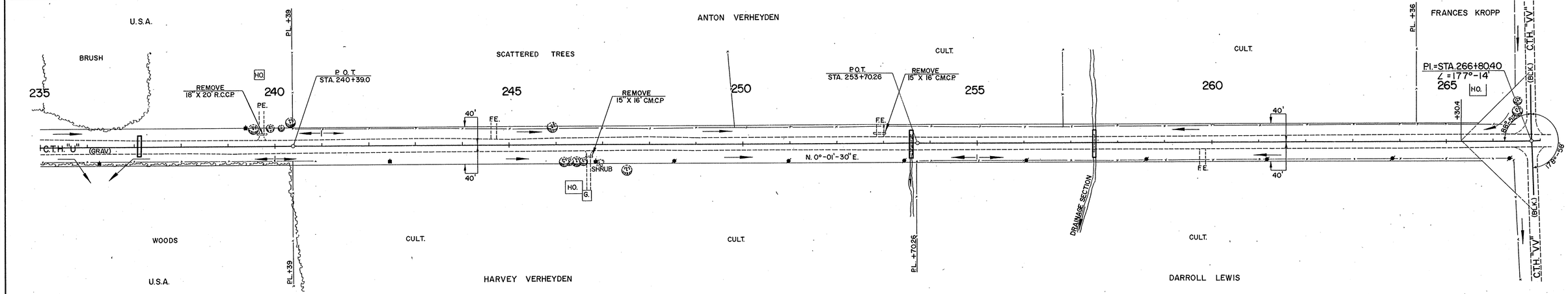
MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1422 (2)		

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
25	236+50	SPIKE IN 4" BIRCH 46' RT.	757.20
26	241+97	" " 20" ELM 60' LT.	756.80
27	246+50	" " 18" " 54' RT.	755.87
28	253+95	" " POWER POLE 120' RT.	755.51
29	265+70	PT. MK. S.E. COR. CONC. SLAB 90' LT.	765.66

PLAN
SURVEYED: BY D. G. N.
PLOTTED: DATE 3-62
NOTE BOOK: ALIGNMENT CHECKED W. E. M.
No. 429 BY: OFFICE CHECKED
DATE 3-62

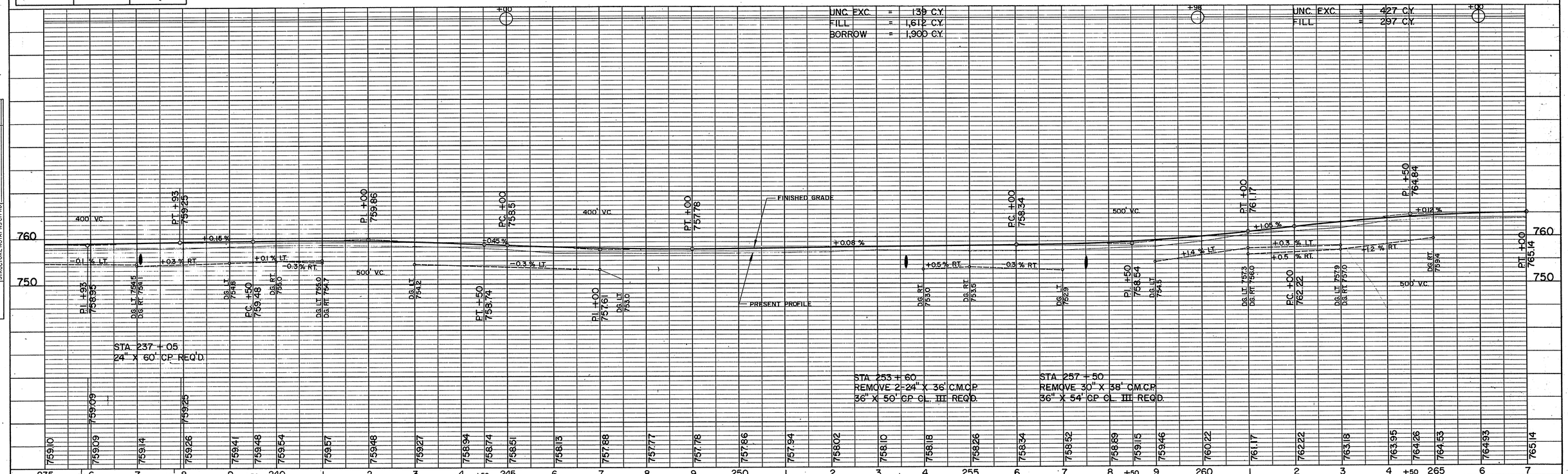


NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
235+00	265+00	3,000.0

UNC. EXC. = 139 C.Y.
FILL = 1,612 C.Y.
BORROW = 1,900 C.Y.

UNC. EXC. = 427 C.Y.
FILL = 297 C.Y.

PROFILE
SURVEYED: BY D. G. N.
PLOTTED: DATE 2-62
NOTE BOOK: GRADES CHECKED G. E. K.
No. 430 BY: ALIGNMENT CHECKED W. E. M.
STRUCTURE QUANTITIES CHKD. DATE 4-62



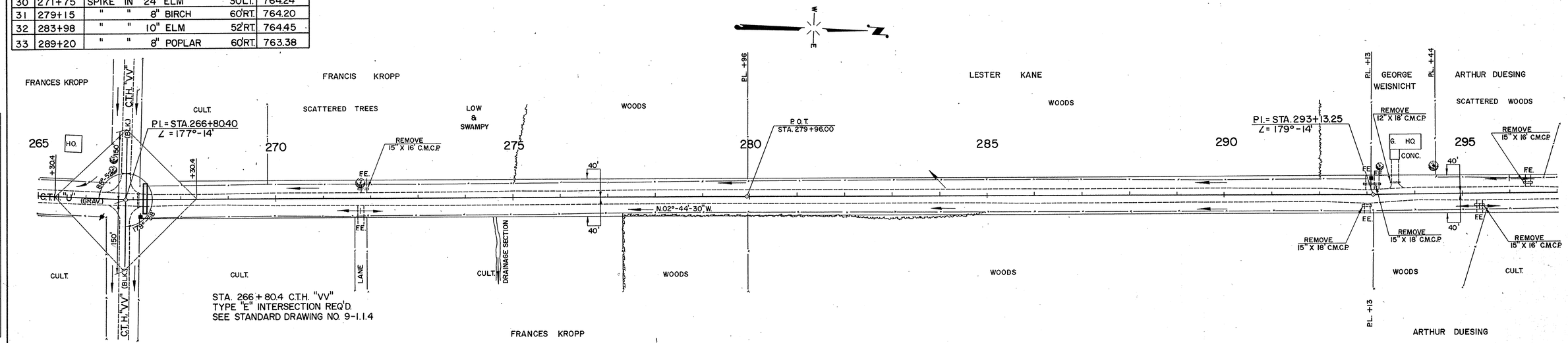
BRUNING NO. 601 23561
PLATE 1—PLAN—PROFILE O. P. R. & R. E.
MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1422 (2)		

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
29	265+70	PT. MK. S.E. COR. CONC. SLAB 90'LT.	765.66
30	271+75	SPIKE IN 24" ELM 30'LT.	764.24
31	279+15	" " 8" BIRCH 60'RT.	764.20
32	283+98	" " 10" ELM 52'RT.	764.45
33	289+20	" " 8" POPLAR 60'RT.	763.38

PLAN
SURVEYED. BY D. G. N.
PLOTTED. W. E. M.
NOTE BOOK ALIGNMENT CHECKED.
NO. 423 BY: OFFICE NOTATIONS CHKD.
DATE 3-62

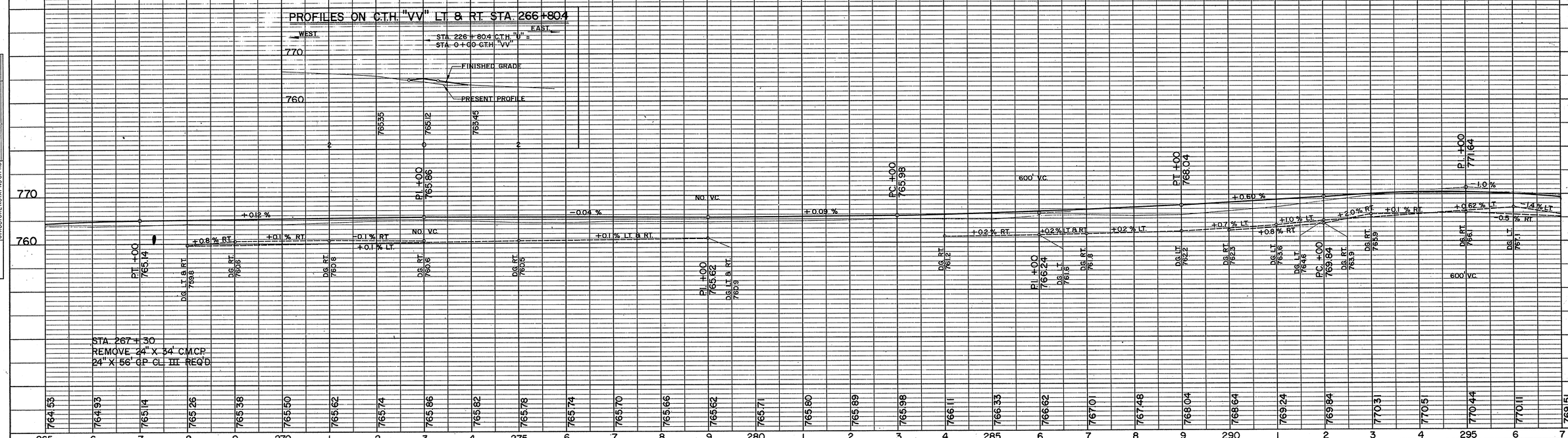


NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
265+00	295+00	3,000.0

UNC. EXC. = 481 C.Y.
FILL = 1,157 C.Y.
BORROW = 1,030 C.Y.

UNC. EXC. = 2,563 C.Y.
FILL = 1,908 C.Y.

PROFILES ON C.T.H. "VV" LT & RT. STA. 266+804



PROFILE
SURVEYED. BY D. E. K. 3-62
PLOTTED. G. E. K. 4-62
NOTE BOOK GRADES CHECKED. W. E. M. 4-62
NO. 430 BY: M. MOTE NOTATIONS CHKD.
STRUCTURE NOTATIONS CHKD.

BRUNING NO. 601 33561

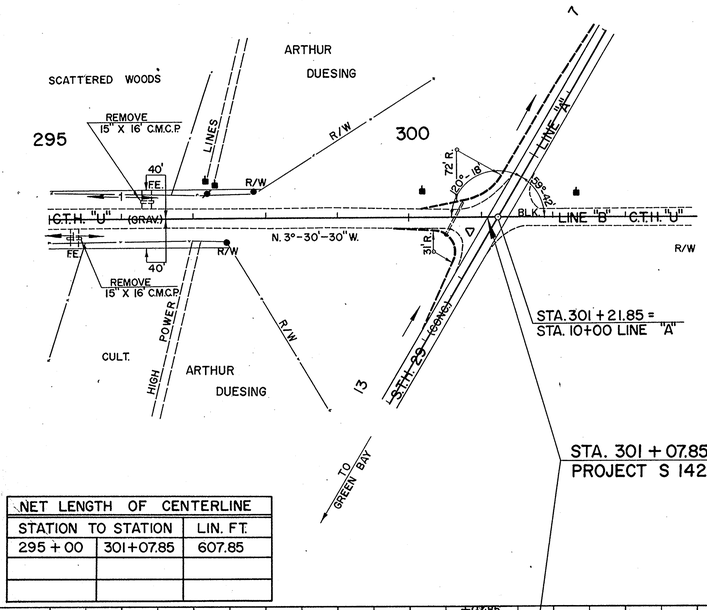
PLATE 1—PLAN—PROFILE O. P. R. & R. E.
MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
34	296+65	SPIKE IN 10" TW. MAPLE 56' LT.	768.66

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 1422 (2)		

PLAN — SURVEYED 3-62 BY D. G. N.; PLOTTED 4-62 G. E. K.; GRADES CHECKED 4-62 W. E. M.; NOTE BOOK —; NO. 429; ALIGNMENT CHECKED —; RT. OF WAY CHECKED —



STA. 301+07.85 (S.T.H. 29 INTERSECTION)
TYPE "C" INTERSECTION REQ'D.
35 L.F OF TYPE "J" CURB. REQ'D.
3 MARKER POST REQ'D.

NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
295+00	301+07.85	607.85

PROFILE — SURVEYED 3-62 BY D. G. N.; PLOTTED 4-62 G. E. K.; GRADES CHECKED 4-62 W. E. M.; NOTE BOOK —; NO. 430; STRUCTURE NO. —

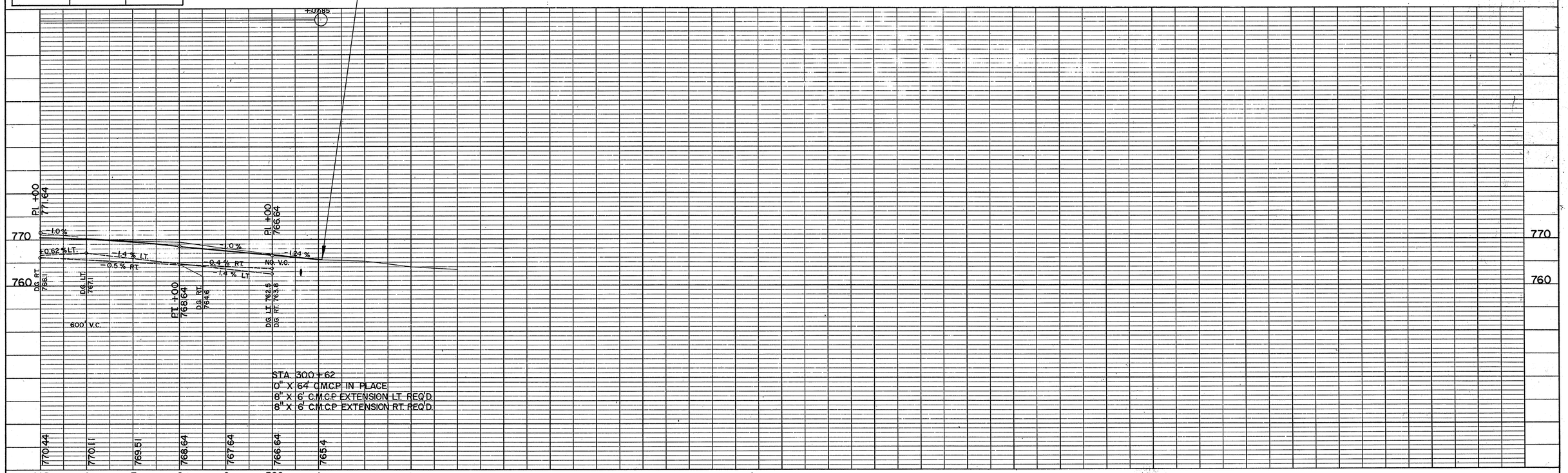


PLATE 1—PLAN—PROFILE O. P. R. & R. E.
MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422(2)		

SCALE 1" = 5'

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE EXCAVATION FILL
7			
		187	0
8		474	0
9		587	0
10		585	0
11		356	26
12		111	137
13		57	182
14		91	93
15		131	28
16		146	6
17		159	13
18		159	33
19		143	33
20			
	SHEET TOTAL	3,186	551

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

CONST. & SURV.

ORIGINAL SURVEY
NOTE BOOK 430
SURVEYED D. G. N. 2-62
PLOTTED A. O. P. 1-63
TEMPLATE P. G. H. 2-63
AREAS "
AREAS CHECKED J. T. K. "

BRUNING NO. 604

PLATE 3 CROSS SECTION O. P. R. & R. F. STANDARD
100% RAG PAPER - MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422(2)		

CONST. ℄ SURV.

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK 430	SURVEYED	D. G. N.	2-62
	PLOTTED	A. O. P.	1-63
	TEMPLATE	P. J. K.	2-63
	AREAS	P. G. H.	"
	AREAS CHECKED		"

33 745 | 145 745 | 32 750 | 31 745 | 30 745 | 29 745 | 28 745 | 27 745 | 26 745 | 25 745 | 24 745 | 23 745 | 22 745 | 21 745

WOODS

T 89 - TWIN 6" MAPLE

T 58 - 5" OAK

T 23 - 20" ELM.

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE EXCAVATION FILL
20			
	102		32
21			
	74		57
22			
	59		65
23			
	69		44
24			
	54		57
25			
	44		76
26			
	48		67
27			
	19		54
28			
	54		33
29			
	135		28
30			
	181		33
31			
	269		20
32			
	131		6
+45			
SHEET TOTAL		1,239	572

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422 (2)		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED	D. G. N.	2-62
NO. 430	PLOTTED	A. O. P.	2-63
	TEMPLATE	R. S. H.	2-63
	AREAS	T. J. K.	"
	AREAS CHECKED	P. G. H.	"

SURV. ℄

47 740 | 46 745 | 45 745 | 44 745 | 43 745 | 42 745 | 41 475 | 40 745 | 39 745 | 38 745 | 37 745 | 36 745 | 35 745 | 34 745

#3 Ø 24"RCP-6"ELM

YARDAGE

STATION	DISTANCE	EXCAVATION UNCL.	FILL
32 + 45			
	128		13
33			
	172		24
34			
	113		35
35			
	85		65
36			
	48		89
37			
	15		130
38			
	20		111
39			
	35		54
40			
	33		30
41			
	30		41
42			
	32		76
43			
	22		56
44			
	48		13
45			
	48		6
46			
	6		37
47			
SHEET TOTAL		835	780

T166

WOODS

BRUNING No. 604

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER — MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S1422(2)		

FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED D. G. N.	2 - 62
NO. 430	PLOTTED A. O. P.	1 - 63
	TEMPLATE P. G. H.	2 - 63
	AREAS J. M. K.	"
	AREAS CHECKED D. G. H.	"

SURV. ℄

CONST. ℄

60 740 | 59 740 | 58 740 | 57 740 | 56 740 | 55 740 | 54 740 | 53 740 | 52 740 | 51 740 | 50 740 | 49 740 | 48 740

BRUSH

STATION	DISTANCE	YARDAGE EXCAVATION UNCL	YARDAGE EXCAVATION FILL
47			
	0		63
48			
	0		59
49			
	26		33
50			
	59		13
51			
	33		24
52			
	0		50
53			
	0		57
54			
	0		50
55			
	61		39
56			
	76		46
57			
	33		80
58			
	39		67
59			
	56		61
60			
SHEET TOTAL		383	642

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD

100% RAG PAPER - MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.
BRUNING NO. 604

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422(2)		

SURV. OF

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	REPLATE		
	REPLAT		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED	D. G. N.	2-62
NO. 430	PLOTTED	A. O. P.	1-63
	REPLATE	A. O. P.	2-63
	REPLAT	F. J. K.	"
	AREAS CHECKED	P. G. H.	"

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE FILL
60			
	100	50	
61			
	107	30	
62			
	96	31	
63			
	130	39	
64			
	150	50	
65			
	107	69	
66			
	41	85	
67			
	22	87	
68			
	22	96	
69			
	22	102	
70			
	24	100	
71			
	9	87	
72			
	0	80	
73			
	0	63	
74			
SHEET TOTAL	830		969

BRUNING NO. 604

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER - MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422 (2)		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
TEMPLATE		
AREAS		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED	D.G.N.	2-62
PLOTTED	A.O.P.	1-63
NOTE BOOK	P.G.H.	2-63
TEMPLATE	"	"
AREAS	J.T.K.	
NO. 430	AREAS CHECKED	

SURV. ℄

87 750 | 86 750 | 85 750 | 84 750 | 83 750 | 82 745 | 81 745 | 80 745 | 79 745 | 78 745 | 77 745 | 76 745 | 75 745

104-6" ASH

182-4" ASH

169-8" POPLAR

163-6" ELM

183-20" WILLOW

188-4" APPLE

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE EXCAVATION FILL
74			
	61		35
75			
	78		72
76			
	39		120
77			
	39		121
78			
	39		91
79			
	39		87
80			
	48		104
81			
	57		104
82			
	65		85
83			
	91		61
84			
	74		100
85			
	50		146
86			
	67		161
87			
SHEET TOTAL		747	1,287

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422(2)		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	PROFILE		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED	D. G. N.	2-62
NO. 430	PLOTTED	A. O. P.	1-63
	TEMPLATE	P. G. H.	2-63
	PROFILE	"	"
	AREAS CHECKED	H. E. G.	"

SURV. 3

100 755 | 99 755 | 98 755 | 97 755 | 96 755 | 95 755 | 94 755 | 93 755 | 92 750 | 91 750 | 90 750 | 89 750 | 88 750

159-8" ELM

172-10" ASH

129-4" ELM

157-10" ELM

131-0" BIRCH

132-12" ELM

SCATTERED TREES

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE EXCAVATION FILL
87			
	63		157
88			
	80		120
89			
	93		76
90			
	70		63
91			
	74		69
92			
	98		52
93			
	96		52
94			
	89		63
95			
	94		48
96			
	113		32
97			
	94		33
98			
	76		50
99			
	85		82
100			
SHEET TOTAL	1125		897

BRUNING NO. 604

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD

100% RAG PAPER — MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422 (2)		

SURV. ℄

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED	D. G. N.	2-62
PLOTTED	A. O. P.	1-63
TEMPLATE	P. G. H.	2-63
AREAS	"	"
AREAS CHECKED	H. E. G.	"
NOTE BOOK		
NO. 430		

114 755 | 113 755 | 112 755 | 111 755 | 110 755 | 109 755 | 108 755 | 107 755 | 106 755 | 105 755 | 104 755 | 103 755 | 102 755 | 101 755

11 - 10" ELM

15 - 6" ELM

23 + 25 - LILAC BUSH

23 + 95 - LILAC BUSH

23 + 96 - TWIN 8" ASH

15 + 75 - 8" ASH

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE EXCAVATION FILL
100			
	72		89
101			
	104		69
102			
	87		100
103			
	50		130
104			
	61		109
105			
	78		89
106			
	146		48
107			
	226		15
108			
	169		13
109			
	48		48
110			
	26		93
111			
	37		94
112			
	57		93
113			
	107		54
114			
SHEET TOTAL		1,268	1,044

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422 (2)		

SURV. ℄

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK TEMPLATE		
AREAS		
NO. AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED	D. G. N.	2-62
PLOTTED	A. O. P.	1-63
NOTE BOOK TEMPLATE	P. S. H.	2-63
NO. 430 AREAS CHECKED	H. E. G.	"

+41-12" ELM
+35-8" MAPLE
+51-2-10" ELMS
+98-12" ELM
+14-18" ELM
+57-12" MAPLE
+79-16" ELM
+38-8" ELM
+44-4" ELM
+33-10" ELM
+98-10" ELM

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE EXCAVATION FILL
114			
	154		11
115			
	137		11
116			
	82		17
117			
	70		35
118			
	80		70
119			
	74		83
120			
	67		70
121			
	78		63
122			
	85		68
123			
	72		67
124			
	74		72
125			
	65		67
126			
	44		82
127			
	41		61
128			
SHEET TOTAL	1,123		797

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER - MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC

BRUNING NO. 604

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422 (2)		

FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	D. G. N.	2-62
	PLOTTED	A. O. P.	2-63
NOTE BOOK	TEMPLATE	P. G. H.	2-63
NO. 430	AREAS	H. E. G.	"
	AREAS CHECKED		"

SURV. ℄

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE EXCAVATION FILL
128			
	59		65
129			
	70		78
130			
	59		68
131			
	61		63
132			
	65		80
133			
	57		89
134			
	37		78
135			
	26		65
136			
	33		85
137			
	41		106
138			
	50		104
139			
	67		83
140			
	57		85
141			
	59		106
142			
SHEET TOTAL		741	1,155

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 1422(2)		

FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED	D. G. N.	2-62
	PLOTTED	A. O. P.	2-63
NOTE BOOK	TEMPLATE	P. G. H.	2-63
NO. 430	AREAS CHECKED	H. E. G.	"

SURV. ℄

+75 750 | +45 750 | 151 750 | 150 750 | 149 750 | 148 750 | 147 750 | +20 750 | 146 750 | +50 750 | 145 750 | 144 750 | 143 750

158 - SPRUCE
150 - SPRUCE
131 - SPRUCE

145 - 4" SPRUCE
119 - 4" SPRUCE
108 - 4" SPRUCE
82 - 4" SPRUCE
125 - 6" SPRUCE
192 - 4" SPRUCE
128 - 10" ELM
114 - SPRUCE
100 - SPRUCE
188 - SPRUCE
172 - SPRUCE
159 - SPRUCE
144 - 12" ELM
127 - 6" APPLE
BUSHES
155 - 18" APPLE
165 - 8" BE

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE EXCAVATION FILL
142			
	63		80
143			
	80		106
144			
	70		144
145			
	33		44
+50			
	26		56
146			
	0		39
+20			
	4		94
147			
	146		18
148			
	341		0
149			
	309		0
150			
	137		9
151			
	17		78
+45			
	4		124
+75			
SHEET TOTAL		1,230	792

BRUNING NO. 604

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
1005 RAG PAPER - 15ABC AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 1422 (2)		

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
151 +75			
152	0		165
153	0		826
154	32		619
155	120		202
156	146		39
157	211		41
158	376		13
159	428		13
160	350		13
161	191		15
SHEET TOTAL	1,854		1,946

161 750 | 160 750 | 159 750 | 158 750 | 157 750 | 156 750 | 155 750 | 154 745 | 153 740 | 152 740

+81-14" ELM.

+35-8" MAPLE

+21-10" POPLAR

SURV. Q

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

ORIGINAL SURVEY
NOTE BOOK NO. 430
SURVEYED D. G. N. 1-63
PLOTTED J. K. 1-63
TEMPLATE P. G. H. 2-63
AREAS T. J. K. "
AREAS CHECKED P. G. H. "
BY
DATE

FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

B.P.R. - REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 1422(2)		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK TEMPLATE		
AREAS		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED	D. G. N.	2-62
PLOTTED	P. G. H.	2-63
NOTE BOOK TEMPLATE	T. J. K.	2-63
AREAS	P. G. H.	"
NO. 430 AREAS CHECKED		"

SURV. ℄

172 755 | 171 750 | 170 745 | 169 750 | 168 750 | 167 750 | 166 750 | 165 750 | 164 750 | 163 750 | 162 750

+09-10" ELM | +23-10" ELM | +43-10" ELM | +46-12" ELM | +21-8" ELM | +39-8" ELM | +97-8" ELM | +26-8" ELM | +38-10" ELM

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
161			
	78		13
162			
	52		24
163			
	26		65
164			
	28		76
165			
	76		39
166			
	143		30
167			
	141		43
168			
	93		57
169			
	183		41
170			
	432		6
171			
	600		0
172			
SHEET TOTAL		1,852	394

FUNCTIONAL CROSS SECTION - OPEN DOTTED

CHARLES BRUNING COMPANY, INC.

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 1422(2)		

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
172			
	704		0
173			
	889		0
174			
	1043		0
175			
	1006		0
176			
	783		0
177			
	509		7
178			
	239		81
179			
	44		98
+40			
	57		241
180			
	72		350
+70			
	18		194
181			
	0		904
182			
	20		863
+85			
SHEET TOTAL		5,384	2,738

SURV. ℄

+85 745 — SCATTERED — TREES — TREE LINE +82 — +83-8" ELM

181 745 — +70 750 — +108-10" ELM

180 750 — +40 750

179 755 — 178 760 — +51-6" BIRCH — +76-8" APPLE

177 760 — 176 760 — +33-8" BIRCH — +17-8" ELM

175 755 — +67-20" OAK

174 755

173 755

+64 — SCATTERED — TREES — +64

ORIGINAL SURVEY		BY	DATE
	SURVEYED	D. J. N.	2-62
	PLOTTED	T. J. K.	7-63
NOTE BOOK	TEMPLATE	P. G. H.	2-63
	AREAS	"	"
NO. 430	AREAS CHECKED	P. G. H.	"

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 1422(2)		

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE FILL
182 +85			
	7		122
183			
	11		176
+25			
	82		504
184			
	218		537
185			
	211		381
186			
	159		222
187			
	159		133
188			
	131		119
189			
	106		104
190			
	91		94
191			
	50		109
192			
	56		85
193			
	69		57
194			
SHEET TOTAL		1,350	2,643

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED	D. G. N.	2-62
NO. 430	PLOTTED	E. G. K.	2-63
	TEMPLATE	P. G. K.	2-63
	AREAS	T. J. K.	"
	AREAS CHECKED	P. G. H.	"

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

SURV. ℄

194 755 · 193 755 · 192 755 · 191 755 · 190 755 · 189 755 · 188 755 · 187 750 · 186 750 · 185 750 · 184 750 · +25 750 · 183 750

+08-18" OAK +08+20 21 FT LT

WOODS

FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 1422 (2)		

208 755 | 207 755 | 206 755 | 205 755 | 204 755 | 203 755 | 202 755 | 201 755 | 200 755 | 199 755 | 198 755 | 197 755 | 196 755 | 195 755

SURV. ℄

#2 Q.S. +200-8" ELM

#2 Q.S. +174-12" ELM

#2 Q.S. +192-12" ELM

#2 Q.S. +121-10" ELM

#2 Q.S. +177-8" ELM

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
194			
	43		69
195			
	48		74
196			
	72		93
197			
	67		96
198			
	50		87
199			
	39		102
200			
	48		98
201			
	54		91
202			
	44		91
203			
	69		69
204			
	81		54
205			
	57		70
206			
	85		68
207			
	102		76
208			
SHEET TOTAL		859	1,138

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TRAVERSE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED	D. G. N.	2 - 62
PLOTTED	T. J. K.	1 - 63
TRAVERSE	P. C. H.	2 - 63
NOTE BOOK		
AREAS		
NO. 430	AREAS CHECKED	T. J. K.

FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 1422 (2)		

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
208			
	70		106
209			
	109		87
210			
	135		85
211			
	141		87
212			
	141		74
213			
	220		44
214			
	209		63
215			
	82		133
216			
	48		154
217			
	28		159
218			
	32		150
219			
	37		133
220			
	44		107
221			
	44		152
222			
SHEET TOTAL	1,340		1,534

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED	D. G. N.	2 - 62
NO. 430	PLOTTED	J. K.	2 - 63
	TEMPLATE	P. A. H.	2 - 63
	AREAS		sf
	AREAS CHECKED	T. J. K.	sf

SURV. ℄

222 760 · 221 760 · 220 760 · 219 760 · 218 760 · 217 760 · 216 760 · 215 760 · 214 760 · 213 760 · 212 760 · 211 760 · 210 760 · 209 760

152 · 124 · 174 · 100 · 105

WOODS · WOODS · WOODS & BRUSH · WOODS

24" BOS 170-14" ELM

87-6" ELM · 70-TW 4" ELM · 166-TW 6" ELM · 87- TRIPLE 8" ELM · 104-TW 4" ELM · 96-10" ELM · 141-6" MAPLE

FUNCTIONAL CROSS SECTION-OPEN DOTTED

CHARLES BRUNING COMPANY, INC.

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S.1422(2.)		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED	D.J.G.N.	2-62
PLOTTED	T.J.K.	2-63
NOTE BOOK	P.J.H.	2-63
AREAS	"	"
NO. 430 AREAS CHECKED	T.J.K.	"

SURV. ℄

236 760 · 235 760 · 234 760 · 233 760 · 232 760 · 231 760 · 230 760 · 229 760 · 228 760 · 227 760 · 226 760 · 225 760 · 224 760 · 223 760

WOODS · WOODS · +75 · +69-20" BASSWOOD · CLUMP OF 10-2"-5" POPLAR & OAK +31 · +10 · +86-14" ELM · +89 · CLUMP OF 5-25"-8" TREES · +50 · #4-TWB MAP · +100-6" OAK · +98-6" ELM

+50 · BRUSH · +28 · WOODS · WOODS · +90

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
222			
	33		215
223			
	76		202
224			
	115		196
225			
	89		195
226			
	83		148
227			
	80		128
228			
	74		130
229			
	61		120
230			
	37		109
231			
	28		102
232			
	30		96
233			
	35		100
234			
	19		115
235			
	7		133
236			
SHEET TOTAL		767	1,989

FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 1422(2)		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED	D. O. N	1-63
NO. 430	PLOTTED	T. J. K	1-63
	TEMPLATE	P. G. H	2-63
	AREAS	J.	"
	AREAS CHECKED	T. J. K.	"

SURV. ℄

250 760 249 760 248 760 247 760 246 760 245 760 244 760 243 760 242 760 241 760 240 760 239 760 238 760 237 760

#8 195-CEDAR SHRUBS
#8 161-2" MAPLE
#8 148-2" MAPLE
#8 132-TW. 1" MAPLE
#8 121-TW. 1" MAPLE

+30 WOODS

#8 93-24" ELM
#8 115-TW 6" MAPLE
#8 89-10" POPLAR
#8 53-TW 6" MAPLE
#8 34-12" OAK

+50 BRUSH

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	FILL
236			
	35		128
237			
	33		143
238			
	19		150
239			
	54		100
240			
	57		98
241			
	19		122
242			
	11		102
243			
	30		72
244			
	28		82
245			
	20		83
246			
	13		91
247			
	7		124
248			
	0		104
249			
	0		83
250			
SHEET TOTAL		332	1,482

FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 1422 (2)		

ORIGINAL SURVEY	SURVEYED	BY D. G. N.	DATE 2-62
	PLOTTED	T. J. K.	1-63
NOTE BOOK	TEMPLATE	P. G. H.	2-63
NO. 430	HOR. SCALE	1" = 10'	
	AREAS CHECKED	T. J. K.	

FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

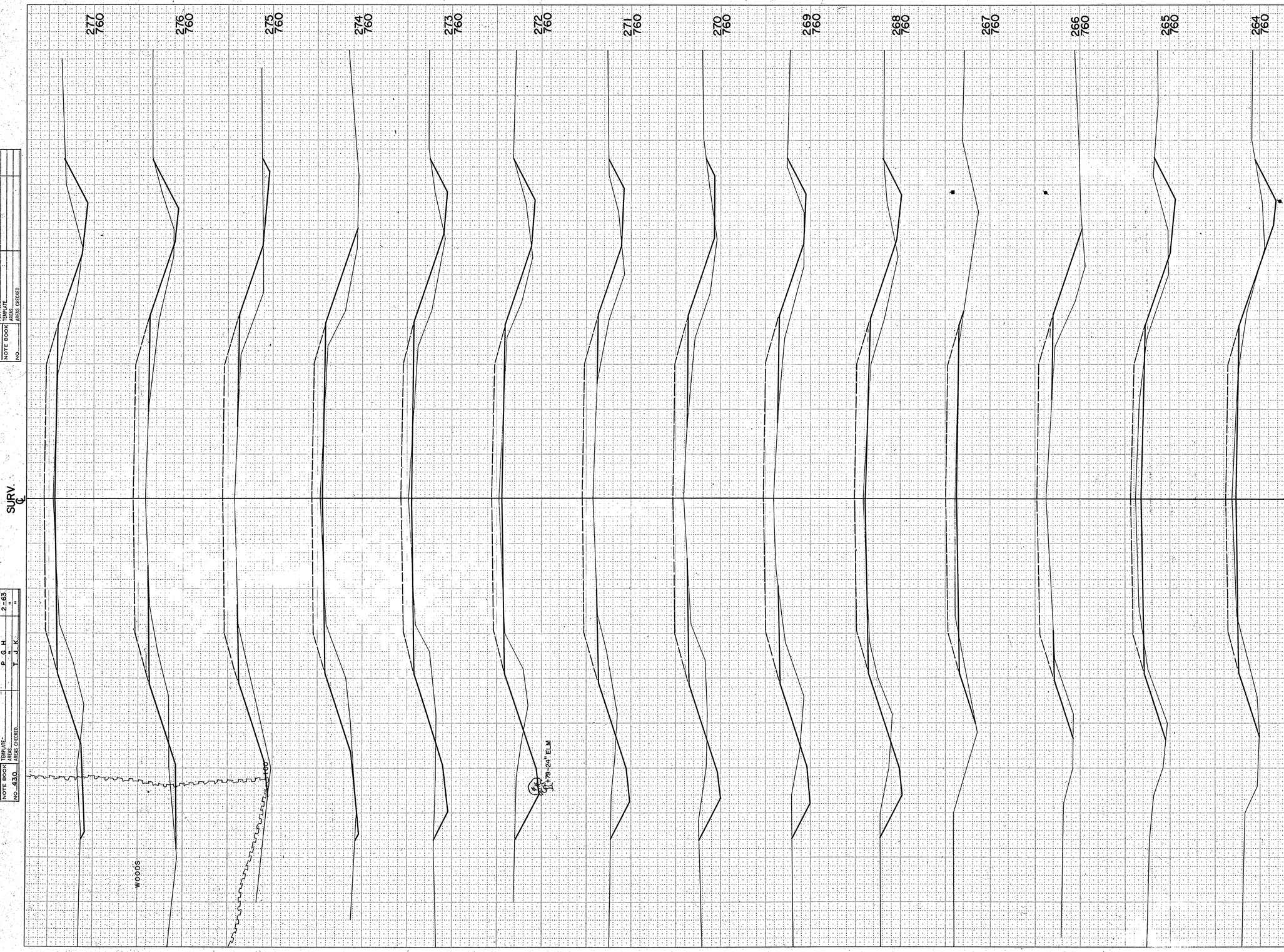
263 755 262 755 261 755 260 755 259 755 258 755 257 755 256 755 255 755 254 755 253 755 252 755 251 755

SURV. ℄

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE FILL
250			
		0	130
251			
		0	146
252			
		0	106
253			
		6	72
254			
		13	87
255			
		11	111
256			
		11	122
257			
		7	146
258			
		9	132
259			
		44	78
260			
		91	35
261			
		102	37
262			
		78	74
263			
SHEET TOTAL		372	1,276

FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 1422(2)		



STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE FILL
263			
	50		67
264			
	61		33
265			
	43		48
266			
	0		41
267			
	24		39
268			
	44		83
269			
	37		107
270			
	50		98
271			
	65		74
272			
	52		81
273			
	20		104
274			
	6		102
275			
	24		87
276			
	44		87
277			
SHEET TOTAL		520	1,051

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
QUANTITIES
AREAS
AREAS CHECKED
BY
DATE

ORIGINAL SURVEY
NOTE BOOK NO. 430
SURVEYED D. G. N. 2-62
PLOTTED T. G. K. 2-63
QUANTITIES D. G. H. 2-63
AREAS " "
AREAS CHECKED T. J. K. "

FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 1422(2)		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED	D. G. N.	2-62
PLOTTED	P. J. K.	1-63
NOTE BOOK	P. J. K.	2-63
NO. 430	AREAS T. J. K.	2-63
	AREAS CHECKED	

SURV. ℄

290 760 289 760 288 760 287 760 286 760 285 760 284 760 283 760 282 760 281 760 280 760 279 760 278 760

WOODS WOODS WOODS

WOODS WOODS & SWAMPY WOODS & BRUSH WOODS

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE FILL
277			
	52		80
278			
	44		63
279			
	19		54
280			
	0		59
281			
	0		72
282			
	0		78
283			
	0		74
284			
	0		76
285			
	35		78
286			
	65		91
287			
	41		174
288			
	17		291
289			
	18		339
290			
SHEET TOTAL	291		1,529

FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 1422 (2)		

FINAL SURVEY	DATE	BY
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	DATE	BY
SURVEYED	2-62	D. G. N.
PLOTTED	1-63	T. J. K.
TEMPLATE	2-63	P. C. H.
NOTE BOOK	"	"
AREAS	"	T. J. K.
NO. 430 AREAS CHECKED	"	

SURV. ℄

301 765 | 300 765 | 299 770 | 298 770 | 297 770 | 296 770 | 295 770 | 294 765 | 293 765 | 292 765 | 291 765

+51

WOODS

SCATTERED TREES

BRUSH & SCATTERED STUMPS

+00

WOODS

STATION	DISTANCE	YARDAGE EXCAVATION UNCL.	YARDAGE FILL
290			
	35		307
291			
	67		207
292			
	180		67
293			
	215		15
294			
	172		24
295			
	257		11
296			
	328		2
297			
	372		0
298			
	363		0
299			
	276		0
300			
	122		0
301			
SHEET TOTAL		2387	633

FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.