COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		S.P.R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
67.6	475.0		13.2	4 WIS.	1	145

INDEX OF SHEETS

SHEET NO. 1 TITLE
SHEET NO. 2-2.2 TYPICAL CROSS SECTIONS
SHEET NO. 3 ESTIMATE OF QUANTITIES
SHEET NO.3A-3B MISCELLANEOUS QUANTITIES
SHEET NO. 4-4.7 RIGHT OF WAY PLAT
SHEET NO. 5-21 PLAN AND PROFILE STA. 18+00 TO STA. 281+00
SHEET NO.22-22.5 STANDARD DETAILS
SHEET NO.——— DRAINAGE STRUCTURES
SHEET NO.23-145 CROSS SECTIONS

STATE OF WISCONSIN

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAN AND PROFILE OF PROPOSED

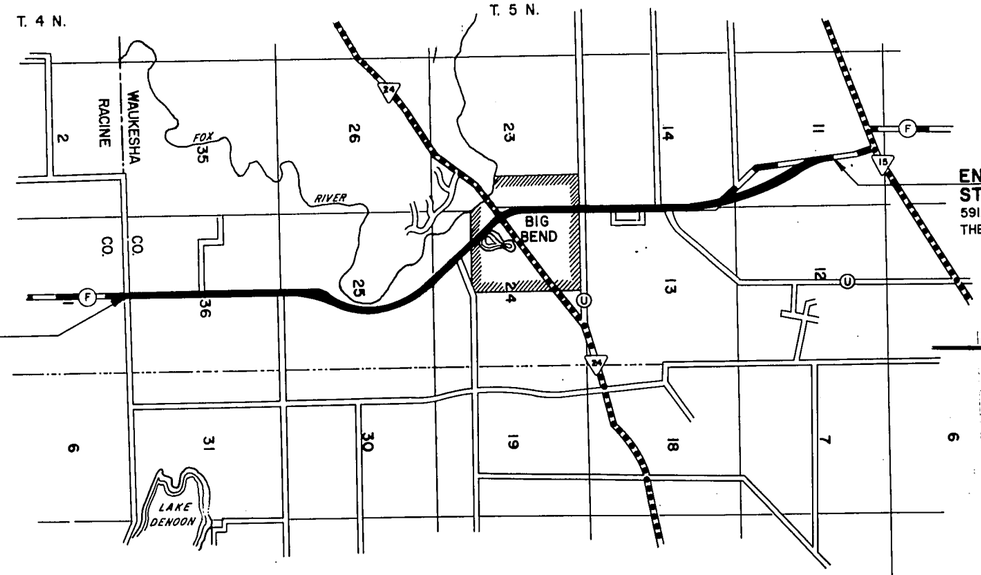
PROJECT S 0475(2)

SOUTH COUNTY LINE - S.T.H. 15 ROAD

C. T. H. "F"

WAUKESHA COUNTY

SCALES
PLAN: 1 IN. = 100 FT., 1 IN.=50 FT., 1 IN.=20 FT.
PROFILE: HOR. 1 IN. = 100 FT. VERT. 1 IN. = 10 FT.
1 IN. = 50 FT. 1 IN. = 5 FT.
1 IN. = 20 FT. 1 IN. = 2 FT.
CROSS SECTIONS HOR. 1 IN.=10 FT. VERT. 1 IN.= 5 FT.
1 IN.= 5 FT. 1 IN. = 2 FT.
1 IN.= 5 FT. 1 IN.= 5 FT.



BEGIN PROJECT S0475(2)
STA. 20+00 =
END PROJECT S0475(1)
STA. 205+43.1
S 1/4 COR. SEC 36, T5N, R19E

END PROJECT S0475(2)
STA. 281+00
591.7' NORTH & 1582.0' WEST OF
THE E 1/4 COR. SEC. 11, T5N, R19E.

N

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 +81.7 28.6
MARSH
HEDGE
TREES
GROUND ELEVATION 739 DATUM LINE
GRADE ELEVATION 751.6 DATUM LINE

LAYOUT

SCALE 0.5 MILE

TOTAL NET LENGTH OF CENTERLINE = 4.940 MI.
RURAL = 4.118 MI.
MUNICIPAL = 0.822 MI.

CONTRACTOR

WOLF CONSTRUCTION CO. INC.

SUB - CONTRACTORS

WALTER PETIT - (STORM SEWER)
PAYNE & DOLAN OF WIS. - (BIT. CONC.)
EDWARD KRAEMER & SONS - (GRAVEL BSE.)
SWEENEY BROS. - (FERT., SEED, SOD, JUTEMAT.)
BOB McGUCKEN (CURB & GUTTER, DRIVEWAYS, WALKS)

WIS. STATE HIGHWAY COMMISSION PERSONNEL

CLIFFORD J. BENZ - RESIDENT ENGINEER
DAVID C. STEIN - LAYOUT & INSPECTION
FRED THOMPSON - INSPECTION
ARVID MARTIN - LAYOUT & INSPECTION
ELDON CAPROON - MATERIALS & INSPECTION
PETE KEMMETER - INSPECTION
G. SCHARFENORTH - INSPECTION
M. REWALD - LAYOUT & INSPECTION
C. SLATER - LAYOUT & INSPECTION
M. WAGNER - LAYOUT & INSPECTION & BOOKS
R. ANDERSON - LAYOUT & INSPECTION
R. BOWERS - LAYOUT & INSPECTION
E. HEWITT - BIT. CONC. PLANT

CONTRACT TIME

WORK STARTED - OCT. 1, 1965
WORK SUSPENDED - NOV. 30, 1965
WORK RESUMED - MAY 25, 1966
WORK COMPLETED SEPT. 24, 1966

BOOK NUMBERS & CONTENTS

1703 & 1746 - CONSTRUCTION DIARY
1704 - FINAL FIELD MEASUREMENTS
M-2107 - BIT. CONC. LOG ON GRADE
M-2166 - CURVE NOTES & CONST. TIES
MB-1975 - BIT. CONC. PLANT BOOK

STATE HIGHWAY COMMISSION OF WISCONSIN
MADISON, WIS.

SURVEYOR D. THOMPSON R. GARVENS NOTE BOOK L.L.
DIVISION COMPUTER E. SCHULTZ M. O. CHECKER W.H.B.
DISTRICT CHECKER R. MURPHY CORRECT

CORRECT:
DATE 5/29/65 J. E. Meier DISTRICT ENGINEER

RECOMMENDED FOR APPROVAL:
DATE 7/2/65 E.J. Bycki CHIEF DIVISION ENGINEER

APPROVED:
DATE 7/2/65 H. Kummerer STATE HIGHWAY ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED:

DATE

DIVISION ENGINEER

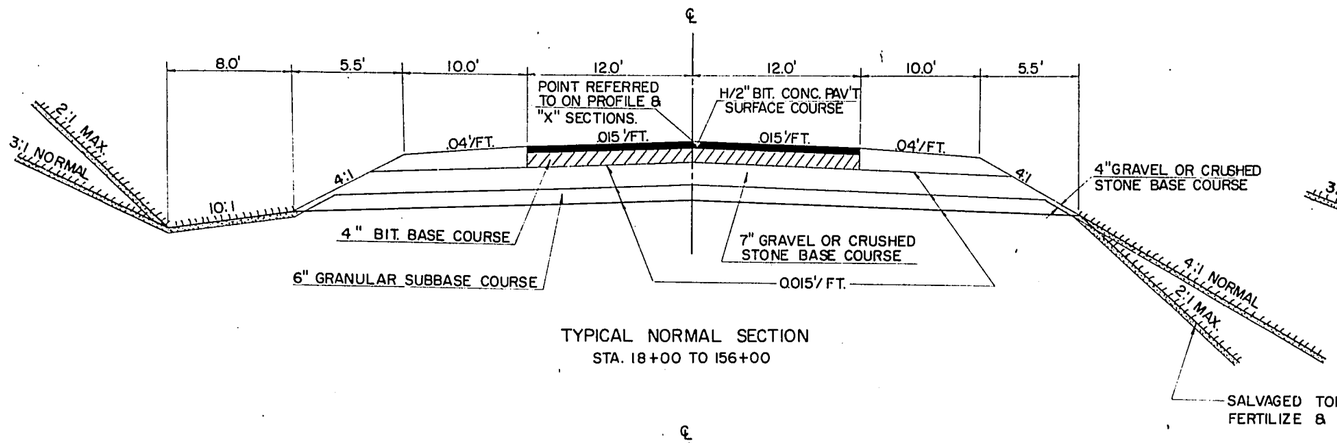
AS BUILT PLAN FOR

PROJECT S 0475(2)
SOUTH COUNTY LINE - S.T.H. 15 ROAD

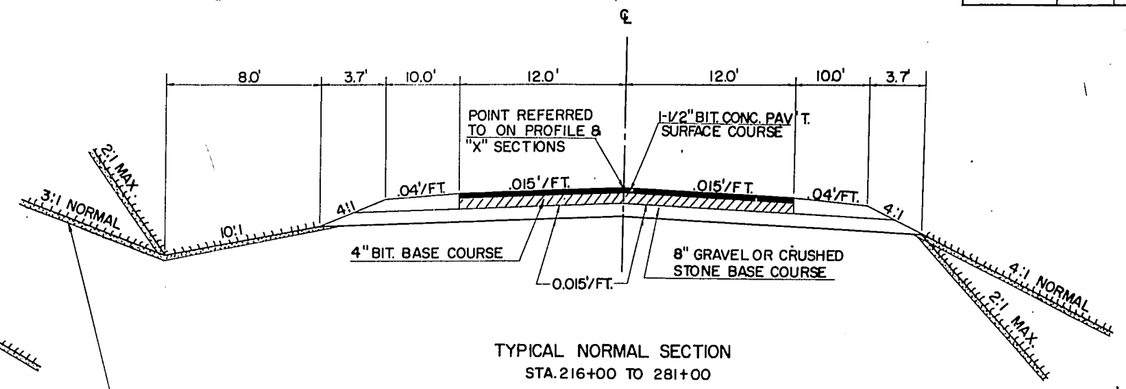
C.T.H. "F"

WAUKESHA, COUNTY

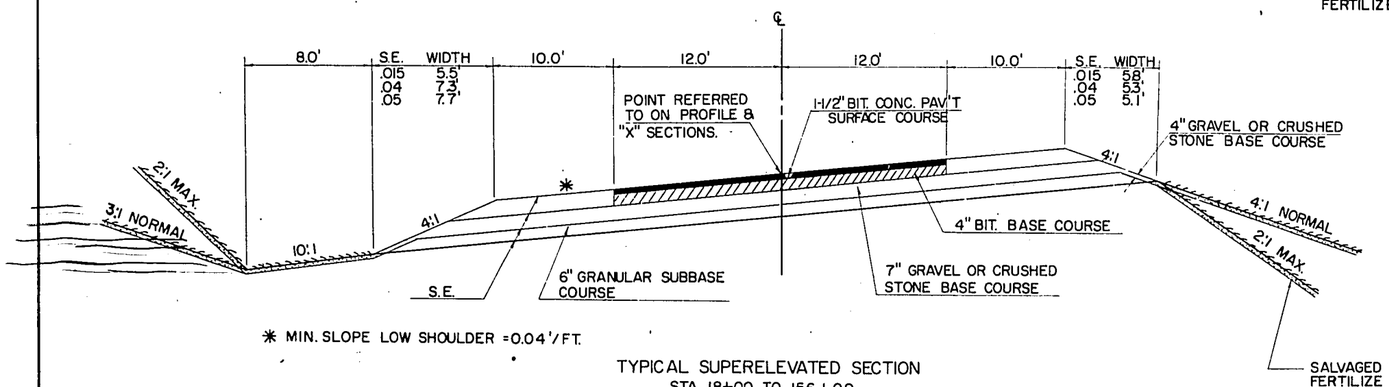
PROJECT	SHEET NUMBER	TOTAL SHEETS
S0475(2)	2	145



TYPICAL NORMAL SECTION
STA. 18+00 TO 156+00

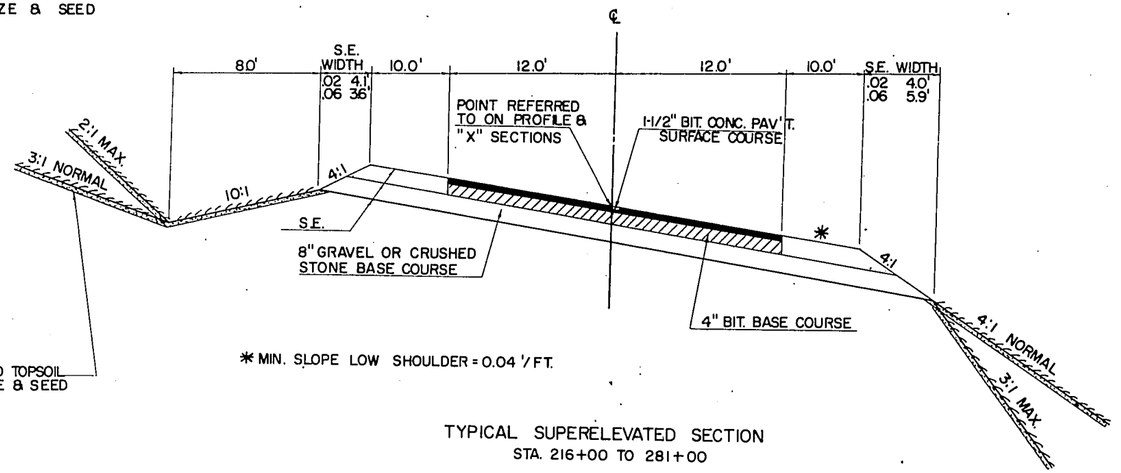


TYPICAL NORMAL SECTION
STA. 216+00 TO 281+00



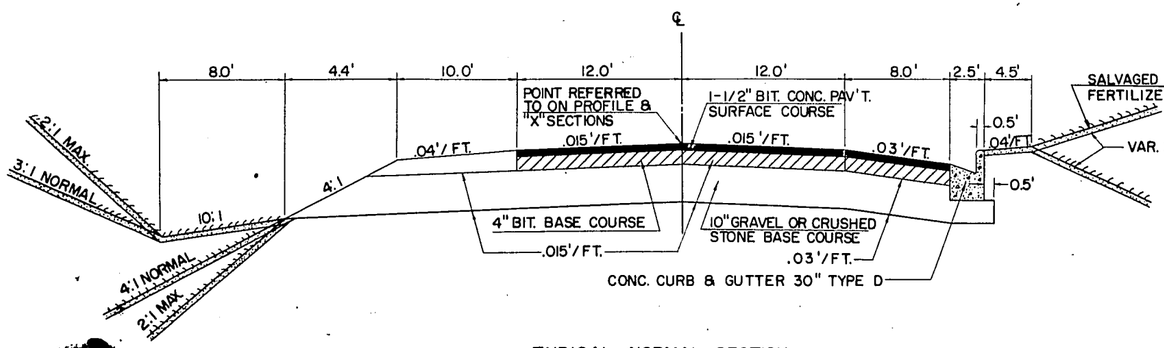
* MIN. SLOPE LOW SHOULDER =0.04'/FT.

TYPICAL SUPERELEVATED SECTION
STA. 18+00 TO 156+00

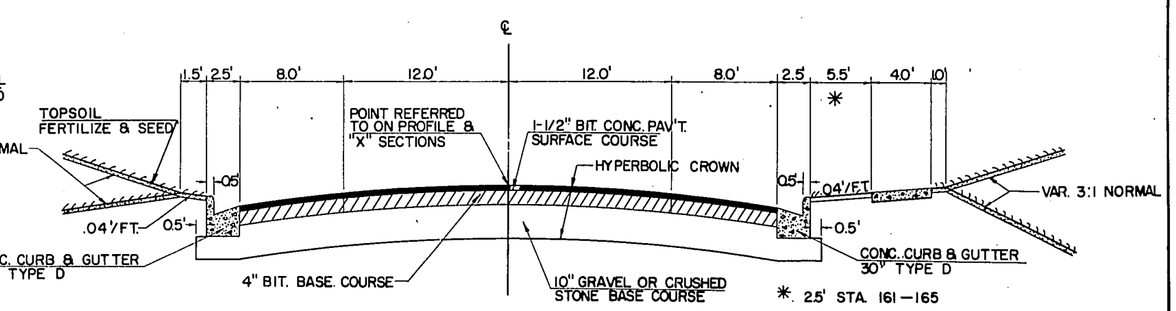


* MIN. SLOPE LOW SHOULDER = 0.04'/FT.

TYPICAL SUPERELEVATED SECTION
STA. 216+00 TO 281+00



TYPICAL NORMAL SECTION
STA. 192+00 TO 216+00
(USE CURB & GUTTER HALF SECTION ON BOTH SIDES STA. 192+00-196+50)



* 2.5' STA. 161-165

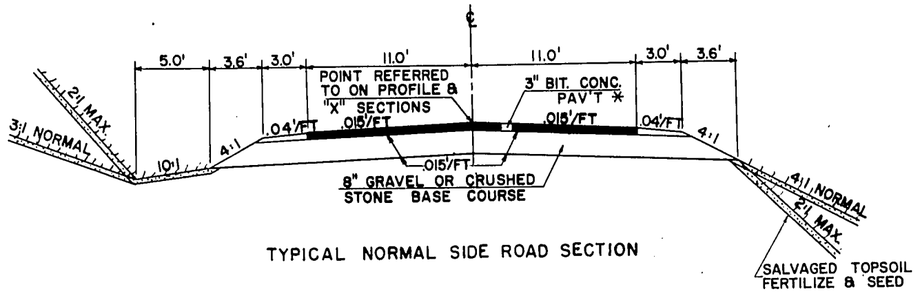
TYPICAL NORMAL SECTION
STA. 156+00 TO 192+00

TYPICAL CROSS SECTION
FOR
PROJECT S 0475 (2)
SOUTH COUNTY LINE — S.T.H. 15 ROAD
C.T.H. "F"

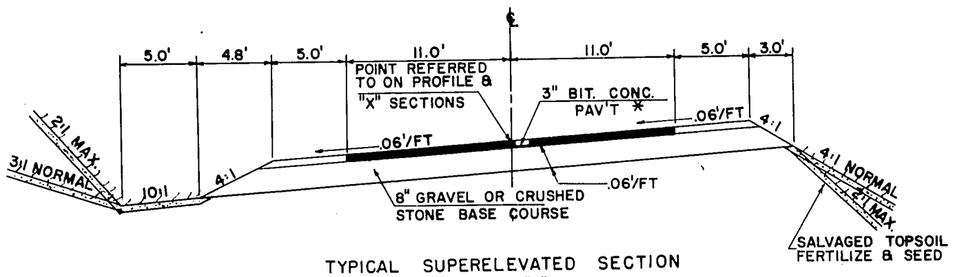
WAUKESHA COUNTY

NOT TO SCALE

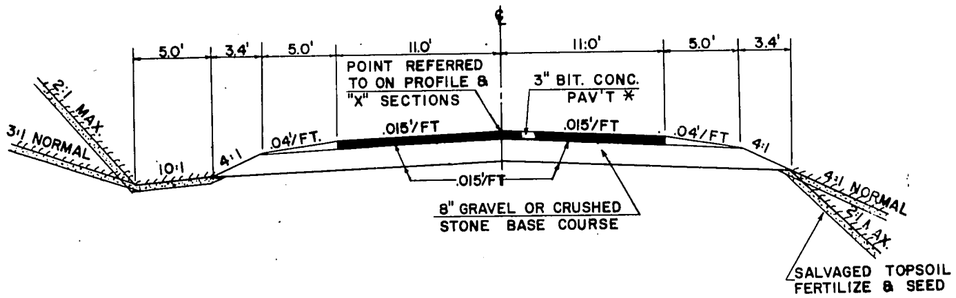
PROJECT	SHEET NUMBER	TOTAL SHEETS
S0475(2)	2.1	145



TYPICAL NORMAL SIDE ROAD SECTION

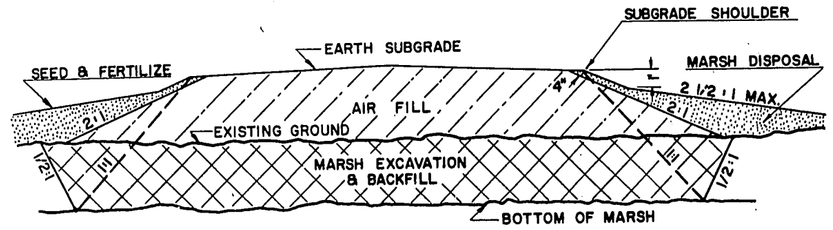


TYPICAL SUPERELEVATED SECTION
C.T.H. "U"

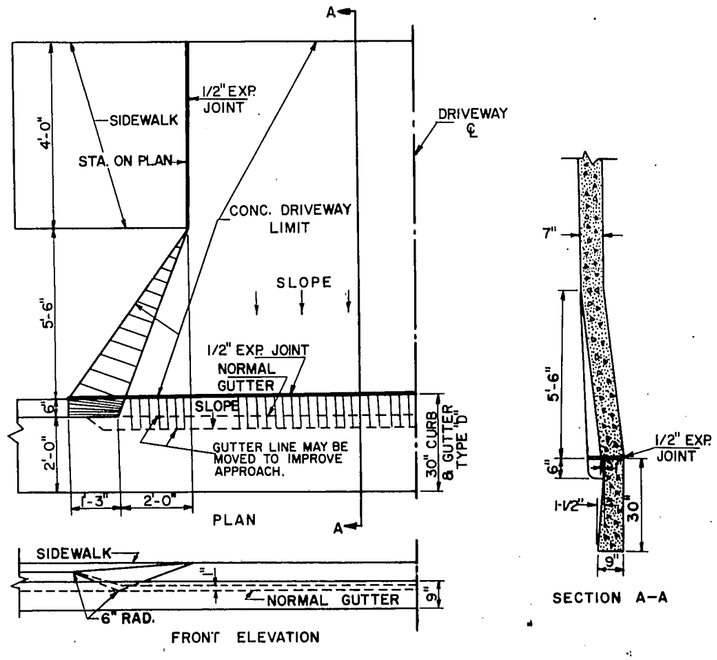


TYPICAL NORMAL SECTION
EDGEWOOD AVE. & C.T.H. "U"

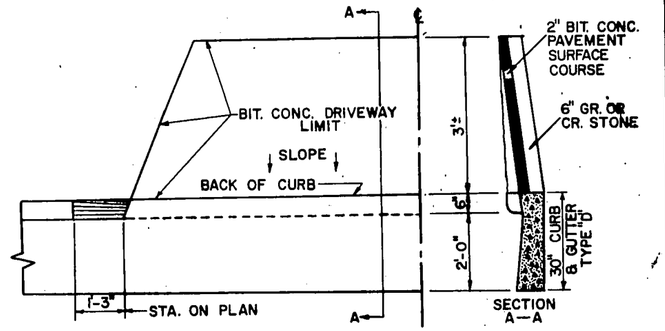
* 3" BIT. CONC. PAV'T. TO BE LAID IN TWO COURSES
1-3/4" BINDER COURSE
1-1/4" SURFACE COURSE



MARSH EXCAVATION DETAIL

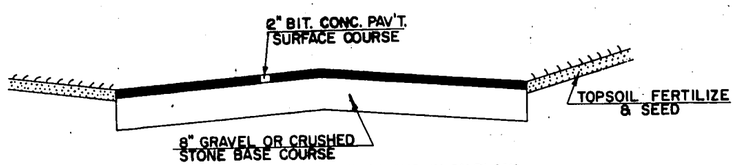


DETAIL OF CONCRETE PAVEMENT DRIVEWAYS



DETAIL FOR BIT. CONC. PAV'T. DRIVEWAYS

NOTE: FOR REPLACING BIT. OR GRAVEL DRIVEWAYS WHERE NO PARALLEL WALK IS PLANNED.



(WIDTH & LENGTH VARIABLE AS SHOWN ON PLAN)

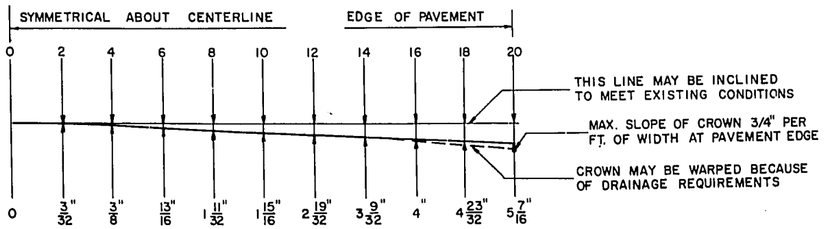
TYPICAL SECTION
URBAN STREETS BEHIND APRONS

TYPICAL CROSS SECTION
AND CONSTRUCTION DETAILS
FOR
PROJECT S 0475 (2)
SOUTH COUNTY LINE — S.T.H. 15 ROAD
C.T.H. "F"

WAUKESHA COUNTY

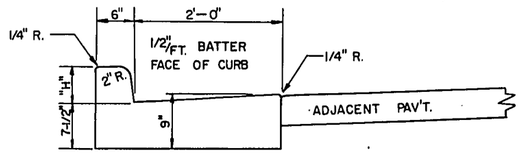
NOT TO SCALE

PROJECT	SHEET NUMBER	TOTAL SHEETS
S0475(2)	2.2	145



HYPERBOLIC CROWN $Y=\sqrt{\frac{X^2}{6.42}+9}-3$

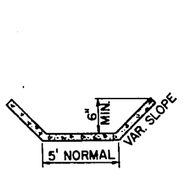
HYPERBOLIC CROWN DETAIL



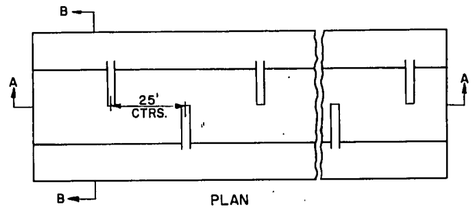
"H" SHALL BE 6" UNLESS OTHERWISE SHOWN ON THE PLANS

TYPE "D" (EXCLUDING TIE BARS)

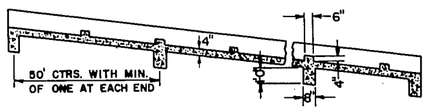
CONCRETE CURB AND GUTTER



SECTION B-B

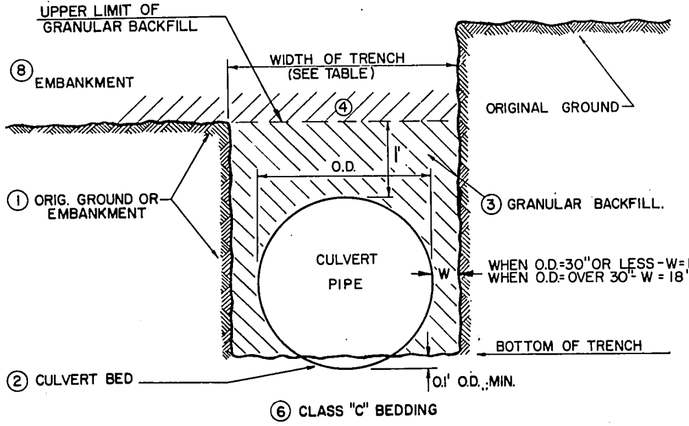


PLAN



SECTION A-A

CONCRETE SLOPE PAVING DETAIL



6 CLASS "C" BEDDING

1 ORIGINAL GROUND OR EMBANKMENT PLACED IN ACCORD WITH STD. SPEC. SEC. 207 TO AT LEAST 1 FOOT ABOVE THE TOP OF THE CULVERT PRIOR TO EXCAVATING THE CULVERT TRENCH.

2 THE CULVERT BED SHALL BE TEMPLATE SHAPED TO FIT THE CONTOUR OF THE PIPE.

3 GRANULAR BACKFILL SEE STD. SPEC. 209.

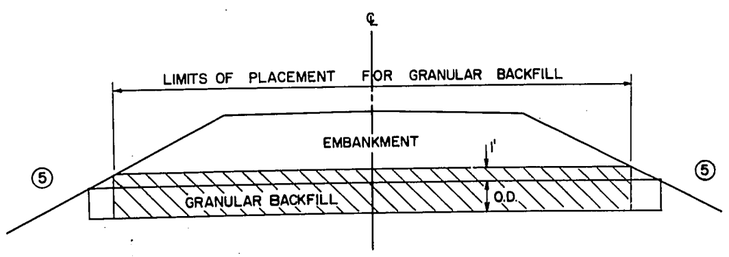
4 WHEN ORIGINAL GROUND EXTENDS ABOVE THE TOP OF THE PIPE, THIS AREA OF CULVERT TRENCH IS TO BE BACKFILLED IN ACCORD WITH STD. SPEC. 209.

5 SEAL TRENCH ENDS WITH EMBANKMENT IN ACCORD WITH STD. SPEC. 207.

6 CLASS "C" BEDDING DETAILS SHOWN ARE GRAPHIC REPRESENTATION OF STD. SPEC. 520.3.2 AND OBTAIN FOR ALL CULVERT INSTALLATIONS EXCEPT PRIVATE ENTRANCES AND AS OTHERWISE NOTED ON THE PLANS.

7 DETAILS NOT SHOWN HERE SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

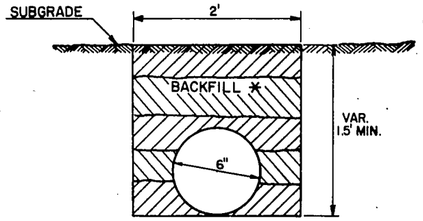
8 EMBANKMENT IN THIS AREA IS TO BE PLACED IMMEDIATELY FOLLOWING THE INSTALLATION OF THE CULVERT.



CULVERT PIPE BEDDING DETAILS

*ASSUMING GRANULAR BACKFILL TO 1' ABOVE CULVERT.

CULVERT TRENCH WIDTH AND GRANULAR BACKFILL *													
PIPE SIZE (I.D.)		12	15	18	24	30	36	42	48	54	60	66	72
CONCRETE PIPE	TRENCH WIDTH, FT.	2.8	3.0	3.4	4.0	5.0	5.6	6.1	6.7	7.3	8.0	9.0	9.6
	GRANULAR BACKFILL, CY./FT.	0.18	0.19	0.24	0.31	0.44	0.52	0.60	0.67	0.78	0.93	1.12	1.24
METAL PIPE	TRENCH WIDTH, FT.	2.5	2.8	3.0	3.5	4.5	5.0	5.5	6.0	6.5	7.0	8.0	8.5
	GRANULAR BACKFILL, CY./FT.	0.15	0.17	0.20	0.25	0.37	0.44	0.51	0.58	0.66	0.74	0.93	1.02



PIPE UNDERDRAIN DETAIL

*BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS FOR FINE AGGREGATE FOR P.C. CONC. PAVEMENT

STANDARD DETAIL DRAWINGS

3-1.1.7	CONCRETE CURB, GUTTER, COMBINATION CURB & GUTTER, SURFACE DRAIN
5-3.4.7	CATCH BASIN AND INLET COVERS
5-3.5.2	INLETS
5-3.7.2	MANHOLES
5-3.8.2	MANHOLE COVERS
6-2.4.3	MORTAR RUBBLE MASONRY OR RIPRAP FOR CULVERT & CATTLE PASS END WALLS
6-2.5.2	RIPRAP AT SIDE ROAD CULVERTS & RIPRAP OR SOD AT PRIVATE ENTRANCE CULVERTS.
6-2.6.4	APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
6-5.3.2	STRUCTURAL PLATE PIPE ARCH & CORR. METAL PIPE ARCH
6-7.1.4	CATTLE PASS (72") REINFORCED CONCRETE & C.M.P. (ALTERNATES)
7-1.3.4	MARKER POSTS & MARKER POSTS FOR RIGHT OF WAY
7-2.4.10	STEEL PLATE BEAM GUARD & STEEL BEAM MEDIAN GUARD
7-4.1.4	CONSTRUCTION BARRICADE
8-2.1.4	SODDED BACKSLOPE FLUME & INTERCEPTING EMBANKMENT
9-1.1.4	DESIGN AND LAYOUT DETAILS FOR SIDE ROAD AT GRADE INTERSECTIONS
12-1.1.2	LANDMARK REFERENCE MONUMENTS

GENERAL NOTES

EXACT LOCATIONS OF PRIVATE ENTRANCES TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

TOPSOIL OR SALVAGED TOPSOIL TO BE PLACED AS DIRECTED BY PLANS TO AN APPROXIMATE DEPTH OF 4" AT TIME OF PLACING, EXCEPT THAT NONE WILL BE REQUIRED IN AREAS OF MARSH DISPOSAL.

WHEN THE QUANTITY OF THE ITEMS OF SUBBASE, 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.

NO TREES OR SHRUBS SHALL BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE BEEN DESIGNATED FOR REMOVAL BY THE ENGINEER.

CURVE DATA BASED ON ARC DEFINITION UNLESS OTHERWISE NOTED.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER THE CONTRACTOR SHALL NOT ORDER AND DELIVER THE PIPE CULVERTS REQUIRED FOR THE PROJECT UNTIL A CORRECTED LIST OF SIZES AND LENGTHS IS FURNISHED TO HIM BY THE ENGINEER.

INTERCEPTING EMBANKMENTS TO BE CONSTRUCTED WHERE SHOWN ON THE CROSS-SECTIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

IN APPLICATION OF THE STANDARD DRAWING 9-1.1.4, MAJOR SIDE ROAD INTERSECTION DETAILS TO APPLY TO THE S.E. QUADRANT AT C.T.H. "U", MINOR SIDE ROAD INTERSECTION DETAILS TO APPLY TO ALL OTHER RURAL TYPE INTERSECTIONS.

BROKEN CONCRETE PAVEMENT MEETING THE SIZE REQUIREMENTS OF THE STANDARD SPECIFICATIONS MAY BE USED IN THE CONSTRUCTION OF RIPRAP.

CONSTRUCTION DETAILS

FOR

PROJECT S 0475 (2)

SOUTH COUNTY LINE — S.T.H. 15 ROAD

C.T.H. "F"

WAUKESHA COUNTY

NOT TO SCALE

ESTIMATE OF QUANTITIES

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 APPROVED OCTOBER 16, 1963, FEDERAL AID REQUIRED CONTRACT PROVISIONS APPROVED OCTOBER 29, 1963 AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS

CONTRACT NO. 1
GRADE, SUBBASE, BASE & BIT. CONC. PAV'T.

B.P.R. REGION	PROJECT	SHEET NO.	TOTAL SHEETS
4	S 0475(2)	3	145

SEC. NO.	STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING		GRUBBING		REMOVING OLD CULVERT STA. 94+72	REMOVING OLD CULVERT STA. 21+20 C.T.H."U"	REMOVING OLD BRIDGE STA.		REMOVING PAVEMENT	REMOVING CONCRETE SIDEWALK	ABANDONING WELLS	EXCAVATION UNCLASSIFIED	EXCAVATION ROCK	EXCAVATION MARSH	EXCAVATION BORROW	GRANULAR BACKFILL	FIELD OFFICE	PREP. FOUNDATION FOR
	ITEM NO.		20101	20102	20104	20105	20301	20302	20351		20401	20406	20444	20503	20502	20505	20801	20901	90002	211
	UNIT	LIN. FT.	STA.	IN. DIA.	STA.	IN. DIA.	L.S.	L.S.	L.S.		S.Y.	S.Y.	EACH	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	L.S.	L.S.
1	20+00 – 148+67	12862.07	34	~~445~~	39	~~443~~	1						3	~~46850~~		~~18200~~	~~32540~~	~~225~~		
	RURAL			663		689								47076		20,541	68019	239		
											5934	1416		8562			1125			
2	148+67 – 192+01.68	4337.68	5	~~1553~~	5	~~1085~~					~~5850~~	~~1340~~	1	~~8500~~			~~0~~	~~75~~	1	
	MUNICIPAL			1481		1824												87		
											336						23389			
3	192+01.68 – 281+00	8880.99	~~47~~	~~242~~	47	~~242~~		1			~~200~~			~~87570~~			~~23160~~			
	RURAL		46	228		228														
			85	2372		2741					6270	1416				20,541	92,533	326		
		26080.74	~~86~~	~~2240~~	91	~~2570~~	1	1			~~6030~~	~~1340~~	4	~~153000~~		~~18200~~	~~55700~~	~~300~~	1	

SEC. NO.	PIPE UNDERDRAIN UNPERFORATED C.M.P. 12"	GRANULAR SUBBASE COURSE	FINISHING ROADWAY	OBLITERATING OLD ROAD	BITUMINOUS BASE COURSE	BITUM. MAT. FOR BASE COURSE	DRAIN TILE EXPLORATION	GRAVEL OR CRUSHED STONE BASE COURSE	REMOVING BUILDING STA. 105+00	REMOVING BUILDING STA. 142+50	REMOVING BUILDING STA. 218+00	BITUM. MAT. FOR PRIME COAT	BITUMINOUS CONCRETE PAVEMENT	BITUM. MAT. FOR SURFACE COURSE	CONCRETE PAVEMENT	CONCRETE PAVEMENT	CONCRETE DRIVEWAY	CONCRETE HEADER	CONCRETE SURFACE DRAINS	JUTE MATTING
ITEM NO.	61214	21202	21301	21401	30601	30602	90001	30402	20418	20419	20420	40201	40701	40702	409	409	40931	40933	40934	62801
UNIT	L.F.	TON	L.S.	STA.	TON	TON	L.F.	TON	L.S.	L.S.	L.S.	TON	TON	TON	S.Y.	S.Y.	S.Y.	S.Y.	C.Y.	S.Y.
1	80	~~18300~~	.5		~~7660~~	~~310~~		~~40350~~	1	1		~~5.3~~	~~3460~~	~~190~~						~~5200~~
		14,229																		6260
2	~~100~~	~~1020~~	.2		~~4135~~	~~170~~	100	~~13650~~				~~1.6~~	~~1840~~	~~100~~					~~4~~	1101
	128	1,170			4068.0	184.3		13,811				0.9	2,355.6	137.3			~~*430~~		3.1	
																	1042			
3			.3	6	~~5055~~	~~200~~		~~30200~~			1	~~11.1~~	~~3200~~	~~180~~					~~4~~	~~5200~~
						~~SEC~~		73,946	← SECT. (1)&(3)		→	3.0	7,255.4	422.4					3.4	2371
			SECT. (1)&(3)		13,498.3	608.6														
												CCO#4	293.9	14.8						
								87,549												
	208	15,399			17,563.3	792.9		~~87,307~~				3.9	9,904.9	574.5			1042		6.5	9732
	~~100~~	~~19400~~	1	6	~~16850~~	~~680~~	100	~~84200~~	1	1	1	~~18~~	~~8500~~	~~470~~			~~430~~		~~8~~	~~10400~~

NOTE: * = NON-FEDERAL PARTICIPATING

BRIDGES (STRUCTURES OVER 20 FT. SPAN)

SEC. NO.	REMOVE OLD BRIDGE STA.	EXCAVATION FOR STRUCTURES	GRANULAR BACKFILL	CONCRETE MASONRY	PRESTRESSED GIRDER	PRESTRESSED GIRDER	BAR STEEL REINF.	STRUCTURAL CARBON STEEL		LUBRICATED BRONZE PLATES	SHEET ZINC	BEARING PADS	TR'T'D. LUMBER AND TIMBER	UNTR'D. TIMBER TEST PILING		UNTREATED TIMBER PILING DELIVERED	UNTREATED TIMBER PILING DRIVEN	TREATED TIMBER PILING DELIVERED	TREATED TIMBER PILING DRIVEN	CAST IN PLACE CONC. TEST PILING		CAST-IN-PLACE CONCRETE PILING DELIVERED	CAST-IN-PLACE CONCRETE PILING DRIVEN	RAILING	FLOOR DRAINS TYPE	FLOOR DRAINS TYPE	DOWNSPOUT 6"	SLOPE PAVING CONCRETE	RIPRAP
	20351	20601	20901	50201	503	503	50501	50601		50614	50616	5062	50702	50801		50810	50813	50816	50820	51001		51010	51015	513	5140	5140	51426	60404	6060
	L.S.	C.Y.	C.Y.	C.Y.	L.F.	L.F.	LB.	LB.		LB.	LB.	S.F.	M.B.M.	L.S.		L.F.	L.F.	L.F.	L.F.	L.S.		L.F.	L.F.	L.F.	EACH	EACH	L.F.	S.F.	C.Y.

CULVERTS (STRUCTURES 20 FT. SPAN & UNDER)

REMOVE OLD CULV'T. STA.	EXCAVATION FOR STRUCTURES	GRANULAR BACKFILL	CONCRETE MASONRY	BAR STEEL REINF.	STRUCTURAL CARBON STEEL	TR'T'D. LUMBER AND TIMBER	UNTR'D. TIMBER TEST PILING	TREATED TIMBER PILING DELIVERED	TREATED TIMBER PILING DRIVEN	FLOOR DRAINS TYPE	RIPRAP
20301	20602	20901	50401	50502	50601	50702	50801	50816	50820	5140	6060
L.S.	C.Y.	C.Y.	C.Y.	LB.	LB.	M.B.M.	L.S.	L.F.	L.F.	EACH	C.Y.

SEC. NO.	PIPE CATTLE PASS		CULVERT PIPE 12" CL. III	CULVERT PIPE 18" CL. III	CULVERT PIPE 24" CL. III	CULVERT PIPE 30" CL. III	CULVERT PIPE 36" CL. III	CULVERT PIPE 48" CL. III	CULVERT PIPE 24" CL. IV	CULVERT PIPE 36" CL. IV	CULVERT PIPE 48" CL. IV	PIPE ARCH	PIPE ARCH	PIPE ARCH 72"X44" CORR. METAL	APRON ENDWALLS FOR CULVERT PIPE 18"	APRON ENDWALLS FOR CULVERT PIPE 24"	APRON ENDWALLS FOR CULVERT PIPE 30"	APRON ENDWALLS FOR CULVERT PIPE 36"	APRON ENDWALLS FOR CULVERT PIPE 48"	METAL APRON ENDWALLS FOR PIPE ARCH	METAL APRON ENDWALLS FOR PIPE ARCH	METAL APRON ENDWALLS FOR PIPE ARCH 72"X44"
	52075		52001	52003	52005	52007	52009	52011	52025	52029	52031			52144	52061	52063	52065	52067	52069			52170
	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
1			30	~~834~~	~~482~~	~~312~~								~~102~~	~~58~~	~~22~~	~~4~~					~~2~~
				870	548	304								96	60	26	4					2
2			~~68~~	~~24~~	~~82~~									76	4	3						2
			73	48	165																	
3	~~80~~		~~34~~	~~320~~	216	184	~~92~~	182	126	120	~~184~~			122	22	~~9~~	6	~~4~~	2			4
			32	304			96									10		3				
	0		135	1222	929	488	96				186			294	86	39		3				
	~~80~~		~~86~~	~~1178~~	~~700~~	~~496~~	~~92~~	182	126	120	~~184~~			~~300~~	~~78~~	~~31~~	10	~~4~~	2			8

SEC. NO.	CONCRETE CURB AND GUTTER 30" TYPE D	CONCRETE SIDE WALK 4"	RIPRAP	SLOPE PAVING CONCRETE	STORM SEWER STD.-STR. NON-REINF. CONC. PIPE 6"	STORM SEWER REINF. CONCRETE PIPE 12" CL. III	STORM SEWER REINF. CONCRETE PIPE 15" CL. III	STORM SEWER REINF. CONCRETE PIPE 18" CL. III	STORM SEWER REINF. CONCRETE PIPE 24" CL. III	INLET COVERS TYPE E	INLET COVERS TYPE	MANHOLES TYPE 1	MANHOLES TYPE	INLETS TYPE 1	INLETS TYPE 3	CATCH BASINS COVERS TYPE	CATCH BASINS COVERS TYPE	MANHOLES COVERS TYPE J	MANHOLES COVERS TYPE	INLET COVERS TYPE A	INLET COVERS TYPE H	PIPE UNDER DRAIN CORR. METAL PIPE 6"	STEEL PLATE BEAM GUARD	MARKER POSTS	MARKER POSTS FOR R-O-W	LAND MARK REFERENCE MONUMENTS	TOPSOIL	SALVAGED TOPSOIL	FERTILIZER	SEEDING	SODDING	STRAW MULCH
	60133	60204	60601	60404	60702	60825	60826	60827	60829	61165	6110	61111	6111	61121	61125	6113	6113	61151	6115	61161	61167	61201	61410	61421	61422	62101	62501	62505	62901	63001	63101	62701
	L.F.	S.F.	C.Y.	S.Y.	L.F.	L.F.	L.F.	L.F.	L.F.	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	L.F.	L.F.	EACH	EACH	EACH	S.Y.	S.Y.	CWT.	S.Y.	S.Y.	S.Y.
1			~~3~~	~~70~~																		~~300~~	~~203~~	~~62~~	~~60~~	9		~~63000~~	~~67~~	~~74000~~	~~800~~	~~10000~~
			2.7																			1116	140	42	56			57,243	68.5	79,168	373	13,012
						210.2																										
2	~~7000~~		~~5~~	~~67~~	~~427~~	~~208~~		1060.3						25	3					25	3		603	~~18~~	~~10~~	6	~~8200~~	~~4500~~	14	~~15000~~	724	~~2000~~
	7098	*~~12500~~	11.4	28	429.8	*~~332~~	*~~640~~	*~~1065~~	*~~570~~	*1		*12						*11						11	5		7657	3476		11,885		2939
		*22510				329.0	644.5		570.3																							
3	~~2020~~		~~30~~	~~2457~~	~~28~~	~~420~~								8	2					8	2		603	~~120~~	~~70~~	3	~~3300~~	~~66500~~	~~60~~	~~77000~~	~~700~~	~~32000~~
	2835		10.2	1225	31.8	487.4						*1						*1						89	65		3008	72,290	68.5	84,309	1224	33,627
	9933	22,510	24.3	1253	461.6	1026.2	644.5	1060.3	570.3													1116	1346	142	126		10,665	133,009	151	175,362	2321	49,578
	~~9980~~	~~12500~~	~~38~~	~~2600~~	~~455~~	~~960~~	~~640~~	~~1065~~	~~570~~	1		13		33	5			12		33	5	~~300~~	~~1400~~	~~200~~	~~140~~	18	~~11500~~	~~134000~~	~~150~~	~~180000~~	~~900~~	~~46000~~

NOTE: * NON-FEDERAL PARTICIPATING

PROJECT	SHEET NUMBER	TOTAL SHEETS
S 0475(2)	3A	145

DETAIL SUMMARY SHEET OF MISCELLANEOUS QUANTITIES

CLEARING & GRUBBING

SEC NO.	LOCATION	CLEAR. I.D.	CLEAR. STA.	GRUB. I.D.	GRUB. STA.
	MAIN LINE				
1					
	18+00 – 23+00	√		√	
	23+00 – 28+00		5		5
	28+00 – 32+00	√		√	
	32+00 – 33+00	22		22	
	33+00 – 34+00	18		18	
	34+00 – 35+00	30		30	
	35+00 – 37+00		2		2
	37+00 – 39+00	√		√	
	39+00 – 40+00		1		1
	40+00 – 54+00	√		√	
	54+00 – 55+00	24		24	
	55+00 – 56+00	22		22	
	56+00 – 61+00		5		5
	61+00 – 62+00	26		26	
	62+00 – 63+00	30		30	
	63+00 – 70+00		7		7
	70+00 – 71+00	30		30	
	71+00 – 73+00	√		√	
	73+00 – 75+00		2		2
	75+00 – 76+00	7		7	
	76+00 – 81+00	√		√	
	81+00 – 82+00	16		16	
	82+00 – 83+00	4			1
	83+00 – 86+00	√		√	
	86+00 – 87+00	24		24	
	87+00 – 88+00	15		15	
	88+00 – 89+00	√		8	
	89+00 – 90+00	9		9	
	90+00 – 91+00	5		5	
	91+00 – 93+00	√		√	
	93+00 – 94+00		1		1
	94+00 – 95+00	√		√	
	95+00 – 96+00		1		1
	96+00 – 97+00	20			1
	97+00 – 98+00	√			1
	98+00 – 99+00	√		28	
	99+00 – 100+00	√		√	
	100+00 – 101+00	20		20	
	101+00 – 102+00	√		√	
	102+00 – 103+00		1		1
	103+00 – 104+00	√		14	
	104+00 – 105+00		1		1
	105+00 – 106+00	√			1
	106+00 – 108+00	√		√	
	108+00 – 109+00	24		24	
	109+00 – 125+00	√		√	
	125+00 – 128+00		3		3
	128+00 – 137+00	√		√	
	137+00 – 138+00	10		10	
	138+00 – 139+00		1		1
	139+00 – 143+00	√		√	
	143+00 – 145+00		2		2
	145+00 – 146+00	√		√	
	146+00 – 147+00	39		39	
	147+00 – 149+00		2		2
2					
	149+00 – 150+00	18		18	
	150+00 – 151+00	28		28	
	151+00 – 156+00		5		5
	156+00 – 157+00	34		34	
	157+00 – 158+00	32		50	
	158+00 – 159+00	√		12	
	159+00 – 160+00	√		9	
	160+00 – 161+00	√		6	
	161+00 – 164+00	√		√	
	164+00 – 165+00	12		143	
	165+00 – 166+00	47		79	
	166+00 – 167+00	36		54	
	167+00 – 168+00	22		22	
	168+00 – 169+00	117		117	
	169+00 – 170+00	66		66	
	170+00 – 171+00	61		61	
	171+00 – 172+00	82		82	
	172+00 – 173+00	65		65	
	173+00 – 174+00	156		180	
	174+00 – 175+00	√		√	
	175+00 – 176+00	102		102	
	176+00 – 177+00	96		96	
	177+00 – 178+00	83		95	
	178+00 – 179+00	122		122	
	179+00 – 180+00	42		42	
	180+00 – 181+00	√		√	
	181+00 – 182+00	14		14	
	182+00 – 183+00	√		√	
	183+00 – 184+00	9		9	
	184+00 – 185+00	√		24	
	185+00 – 186+00	56		56	
	186+00 – 187+00	34		34	
	187+00 – 188+00	64		86	
	188+00 – 189+00	60		84	
	189+00 – 192+00	√		√	
3					
	192+00 – 198+00	√		√	
	198+00 – 199+00	27		27	
	199+00 – 200+00	22		22	
	200+00 – 201+00	10		10	
	201+00 – 216+00	√		√	
	216+00 – 217+00		1		1
	217+00 – 218+00	√		√	
	218+00 – 220+00		2		2
	220+00 – 221+00	√		√	
	221+00 – 222+00	30		30	
	222+00 – 223+00	12		12	
	223+00 – 224+00	24		24	
	224+00 – 225+00	√		√	
	225+00 – 226+00	16		16	
	226+00 – 227+00	34		34	
	227+00 – 228+00	√		√	
	228+00 – 246+00		18		18
	246+00 – 250+00	√		√	
	250+00 – 253+00		3		3
	253+00 – 261+00	√		√	
	261+00 – 262+00		1		1
	262+00 – 274+00	√		√	
	274+00 – 280+00		6		6
	280+00 – 281+00	√		√	
1					
	COUNTY LINE ROAD				
	15+00 – 20+00	√		√	
	20+00 – 22+00	√		√	
	KELSEY AVE.				
	20+00 – 21+00	22		22	
	21+00 – 22+00	28			1
	22+00 – 23+00	√		√	
2					
	T LINE				
	12+00 – 13+00	54		54	
	13+00 – 14+00	41		41	
	14+00 – 15+00	√		√	
3					
	EDGEWOOD AVE.				
	19+00 – 20+00	√		√	
	20+00 – 21+00	√		√	
	C.T.H. "U"				
	20+00 – 21+00	√		√	
	21+00 – 33+00		12		12
	CHERI AVE.				
	11+00 – 12+00	√		√	
	12+00 – 13+00	18		18	
	13+00 – 14+00	23		23	
	14+00 – 15+00	√		√	
	15+00 – 16+00	26		26	
	16+00 – 19+00		3		3
	EXISTING "F" & CHERI AVE.				
	10+00 – 11+00		1		1
	11+00 – 12+00	√		√	
	EXISTING "F" & 272+37				
	21+00 – 25+00	√		√	

BITUMINOUS MATERIALS

SEC NO.	LOCATION	TON BIT. BASE COURSE	TON BIT. CONC PAV'T	TON BIT. MAT. FOR PRIME
1	MAIN LINE	7660	2875	
	COUNTY LINE ROAD		330	3.0
	RIVER AVE.		45	0.4
	KELSEY AVE.		145	1.3
	HENNEBERRY AVE.		65	0.6
2	MAIN LINE			
	148+67 – 156+00	429	161	
	156+00 – 192+02	3521	1321	
	ORCHARD AVE.	22	8	
	S.T.H. 24	50	19	
	T LINE		125	1.2
	ROSE AVE.	22	33	
	MAPLE AVE.	22	29	
	RAMONA AVE.	22	8	
	PARK AVE.	22	29	
	EDGEWOOD AVE.	25	47	0.4
	P.E.'S		60	
3	MAIN LINE			
	192+02 – 196+50	439	165	
	196+50 – 216+00	743	280	
	216+00 – 281+00	3804	1430	
	EDGEWOOD AVE.	25	34	0.3
	MARDITH AVE. (SOUTH)	22	30	
	MARDITH AVE. (NORTH)	22	8	
	ARTESIAN AVE.		45	0.4
	C.T.H. "U"		543	4.9
	CHERI AVE.		328	2.9
	EXIST. "F" & CHERI AVE.		105	0.9
	EXIST. "F" & 272+37		192	1.7
	P.E.'S		40	

GRAVEL OR CRUSHED STONE BASE COURSE

SEC NO.	LOCATION	TON BASE	TON SHLDR.
1	MAIN LINE		
	18+00 – 75+73	12660	2913
	75+73 – 86+32	2405	786
	86+32 – 97+89	2540	584
	97+89 – 114+66	3820	1248
	114+66 – 135+94	4835	1580
	135+99 – 143+55	1660	381
	143+55 – 148+67	1135	310
	COUNTY LINE ROAD	1050	68
	RIVER AVE.	45	3
	KELSEY AVE.	445	29
	HENNEBERRY AVE.	125	8
	P.E.'S	1720	
2	MAIN LINE		
	148+67 – 153+27	1020	280
	153+28 – 156+00	596	137
	156+00 – 192+02	9715	
	ORCHARD AVE.	54	
	S.T.H. 24	149	
	T LINE	515	36
	ROSE AVE.	120	
	MAPLE AVE.	108	
	RAMONA AVE.	54	
	PARK AVE.	108	
	EDGEWOOD AVE.	241	17
	P.E.'S	500	
3	MAIN LINE		
	192+02 – 196+50	1215	
	196+50 – 216+00	2800	240
	216+00 – 227+94	2867	602
	227+94 – 266+47	9537	2494
	266+64 – 272+37	1380	285
	272+37 – 277+55	1297	312
	277+55 – 281+00	828	174
	EDGEWOOD AVE.	183	17
	MARDITH AVE. (SOUTH)	108	
	MARDITH AVE. (NORTH)	54	
	ARTESIAN AVE.	45	3
	C.T.H. "U"		
	20+56 – 24+13	633	51
	24+13 – 29+97	1066	120
	29+97 – 33+20	573	46
	CHERI AVE.	1167	76
	EXIST. "F" & CHERI AVE.	297	19
	EXIST. "F" & 272+37	630	41
	P.E.'S	1040	

OBLITERATING OLD ROAD

LOCATION	STA.
3 MAIN LINE	
240+00 – 246+00 LT.	6

DRAIN TILE EXPLORATION

	LOCATION	L.F.
2	MAIN LINE	
	149+00 – 150+00	100

GRANULAR SUBBASE COURSE

SEC NO.	LOCATION	TON
1	MAIN LINE	
	18+00 – 75+73	8010
	75+73 – 86+32	1523
	86+32 – 97+89	1605
	97+89 – 114+66	2418
	114+66 – 135+94	3060
	135+99 – 143+55	1049
	143+55 – 148+67	715
2	MAIN LINE	
	148+67 – 153+27	645
	153+28 – 156+00	375

JUTE MATTING

	LOCATION	TYPE	SQ.YD.
1	MAIN LINE		
	36+00 – 46+00 LT.	DITCH	1467
	54+00 – 58+00 LT.	DITCH	533
	57+00 – 59+00 RT.	DITCH	267
	66+00 – 83+00 RT.	DITCH	2267
	95+00 – 98+00 RT.	DITCH	400
	133+00 – 134+00 RT.	DITCH	133
	134+00 – 135+00 LT.	DITCH	133
3	MAIN LINE		
	217+00 – 221+00 LT.	DITCH	467
	225+00 – 232+00 LT.	INT.EMB.	933
	231+00 – 234+00 RT.	DITCH	400
	231+00 – 234+00 LT.	DITCH	400
	250+00 – 256+50 RT.	DITCH	870
	257+00 – 262+00 RT.	INT.EMB.	667
	C.T.H. "U"		
	21+00 – 23+20 LT.	DITCH	293
	25+00 – 26+00 LT.	DITCH	133
	25+00 – 32+00 RT.	DITCH	904
	31+00 – 32+00 LT.	DITCH	133

SLOPE PAVING, CONCRETE

	LOCATION	SQ.YD.
1	MAIN LINE	
	94+32 – 95+00 RT. DITCH	76
2	MAIN LINE	
	155+50 – 156+10 RT. DITCH	67
3	MAIN LINE	
	224+50 – 231+00 RT. DITCH	720
	225+00 – 231+00 LT. DITCH	667
	CATTLE PASS APRONS	
	251+75	70
	CHERI AVE.	
	12+00 – 15+00 LT. DITCH	333
	12+00 – 18+00 RT. DITCH	667

CROSS DRAINS

SEC NO.	CU. YDS. GRAN. BACKFILL	STATION	DIAMETER INCHES	LENGTH LIN. FT.	TYPE	END-WALLS	P.E.&S.R. L.	P.E.&S.R. R.	RIP RAP	MARKERS
1		MAIN LINE								
	47	23+02	30.	152	C.P.C.L.III				3	2
	74	94+25	72X44	102	C.M.P.A	2				2
	18	104+48	24	72	C.P.C.L.III	2				2
	9	111+15	24	58	C.P.C.L.III	2				2
	32	115+84	30	88	C.P.C.L.III	2				2
	26	126+80	30	72	C.P.C.L.III	2				2
	19	128+58	24	76	C.P.C.L.III	2				2
2		MAIN LINE								
	21	149+50	24	92	C.P.C.L.III				2	2
	54	155+66	72X44	76	C.M.P.A	2				2
	*	181+14 RT.	18	24	C.P.C.L.III				2	1
	*	191+80 LT.	12	12	C.P.C.L.III				0.5	1
	*	191+81 RT.	12	12	C.P.C.L.III				0.5	1
3		MAIN LINE								
		216+55	72X44	56	C.M.P.A	2				2
		221+63	48	134	C.P.C.L.III				5	2
		224+71	30	56	C.P.C.L.III	2				2
		238+04	24	68	C.P.C.L.III	2				2
		244+25	36	120	C.P.C.L.IV	2				2
		246+43	24	126	C.P.C.L.IV	2				2
		249+50	48	184	C.P.C.L.IV OR I.O.G.A.C.M.				5	2
		251+75	72	80	P.C.P.				19	2
		263+00	30	54	C.P.C.L.III	2				2
		278+00	30	74	C.P.C.L.III	2				2
	*	192+16 LT.	12	12	C.P.C.L.III					1
	*	192+16 R	12	12	C.P.C.L.III					1
	*	215+21 RT	12	10	C.P.C.L.III					

NOTE
* LISTED ON PLAN SHEETS (STORM SEWER TABLE)

DETAIL SUMMARY SHEET OF MISCELLANEOUS QUANTITIES

PROJECT	SHEET NUMBER	TOTAL SHEETS
S 0475(2)	38	145

REMOVING CONCRETE SIDEWALK

SEC. NO.	LOCATION	SQ. YD.
2	MAIN LINE	
	158+00 – 164+00	9
	164+00 – 170+00	331
	170+00 – 176+00	293
	176+00 – 182+00	180
	182+00 – 188+00	271
	188+00 – 192+00	167
	T LINE	
	11+50 – 13+50	89

REMOVING PAVEMENT

	LOCATION	SQ. YD.
2	MAIN LINE	
	121+00 – 180+25	3880
	182+25 – 191+99	1950
3	MAIN LINE	
	191+99 – 193+01	200

ABANDONING WELLS

	LOCATION	EACH
1	MAIN LINE	
	65+08 35' RT.	1
	95+50 21' RT.	1
	142+55 50' RT.	1
2	MAIN LINE	
	161+68 6' RT.	1

CONCRETE SURFACE DRAINS

	LOCATION	CU. YD.
2	MAIN LINE	
	155+70 – 156+00 LT.	4
3	MAIN LINE	
	194+50 – 194+80 LT.	4

CONCRETE CURB & GUTTER 30" TYPE "D"

	LOCATION	LIN. FT.
2	MAIN LINE	
	156+00 – 161+04 LT.	491
	156+28 – 161+04 RT.	457
	161+04 – 168+20 RT.	711
	161+04 – 163+72 LT.	208
	163+72 – 191+99 LT.	2884
	168+20 – 174+17 RT.	584
	174+17 – 178+76 RT.	447
	178+76 – 184+32 RT.	544
	184+32 – 191+99 RT.	754
3	MAIN LINE	
	191+99 – 196+50 LT.	446
	191+99 – 203+67 RT.	1158
	203+67 – 215+39 RT.	1160
	215+39 – 216+00 RT.	56

CONCRETE DRIVEWAYS

SEC. NO.	LOCATION	SQ. YD.
2	MAIN LINE	
	157+82 RT.	34.0
	158+20 RT.	34.0
	159+04 RT.	14.7
	160+28 RT.	39.0
	162+64 RT.	39.0
	165+54 RT.	14.7
	166+51 LT.	11.0
	166+61 RT.	14.7
	170+64 RT.	14.7
	171+29 RT.	14.7
	172+24 RT.	14.7
	172+80 RT.	14.7
	175+82 RT.	23.1
	176+94 RT.	23.1
	177+25 RT.	14.7
	179+60 RT.	27.3
	180+23 RT.	14.7
	181+34 RT.	23.1
	186+42 RT.	14.7
	189+26 RT.	14.7
	190+06 RT.	14.7

CONCRETE SIDEWALK, 4"

	LOCATION	SQ. FT.
2	MAIN LINE	
	157+40 – 160+80	975
	161+28 – 167+98	2890
	168+40 – 173+94	2376
	174+40 – 178+54	1671
	178+98 – 184+10	1854
	184+54 – 191+76	2734

STEEL PLATE BEAM GUARD

	LOCATION	LIN. FT.
1	MAIN LINE	
	104+30 – 106+30 LT.	203
2	MAIN LINE	
	149+50 – 155+50 RT.	603
3	MAIN LINE	
	244+00 – 250+00 RT.	603

LANDMARK REFERENCE MONUMENTS

	LOCATION	EACH
1	S. 1/4 COR. SEC. 36-5-19	3
	CENTER SEC. 36-5-19	3
	N. 1/4 COR. SEC. 36-5-19	3
2	E. 1/4 COR. SEC. 23-5-19	3
	N.E. COR. SEC. 23-5-19	3
3	E. 1/4 COR. SEC. 14-5-19	3

STRAW MULCH

SEC. NO.	LOCATION	SQ. YD.
1	MAIN LINE	
	48+00 – 56+00 RT.	1933
	49+00 – 55+00 LT.	1200
	59+00 – 63+00 LT.	633
	59+00 – 67+00 RT.	1567
	72+00 – 75+00 LT.	744
	91+00 – 93+00 RT.	356
	96+00 – 109+00 RT.	3333
	104+00 – 104+48 LT.	80
	134+00 – 137+00 RT.	367
	140+00 – 143+00 LT.	420
	143+00 – 144+50 RT.	167
2	MAIN LINE	
	150+00 – 156+00 LT.	2100
	155+25 – 156+00 RT.	200
	180+75 – 183+00 LT.	540
	180+75 – 181+74 RT.	60
3	MAIN LINE	
	202+00 – 205+00 LT.	411
	219+00 – 223+00 LT.	1055
	222+00 – 224+00 RT.	544
	224+67 – 234+00 LT.	3155
	226+00 – 234+00 RT.	1433
	243+00 – 261+00 RT.	9600
	243+54 – 261+00 LT.	7181
	268+00 – 272+00 LT.	922
	268+00 – 272+00 RT.	1244
	C.T.H. "U"	
	21+00 – 32+00 LT.	2933
	21+00 – 32+00 RT.	3411
	CHERI AVE	
	17+00 – 19+00 LT.	533
	17+00 – 19+00 RT.	478

SODDING

	LOCATION	TYPE	SQ. YD.
1	MAIN LINE		
	104+50 – 105+50 LT.	SIDESLOPE	200
3	MAIN LINE FLUMES		
	220+00 RT.	BACKSLOPE	140
	221+00 LT.	BACKSLOPE	120
	225+00 LT.	BACKSLOPE	60
	254+00 RT.	BACKSLOPE	140
	256+50 LT.	BACKSLOPE	100
	262+50 RT.	BACKSLOPE	140

MARKER POSTS

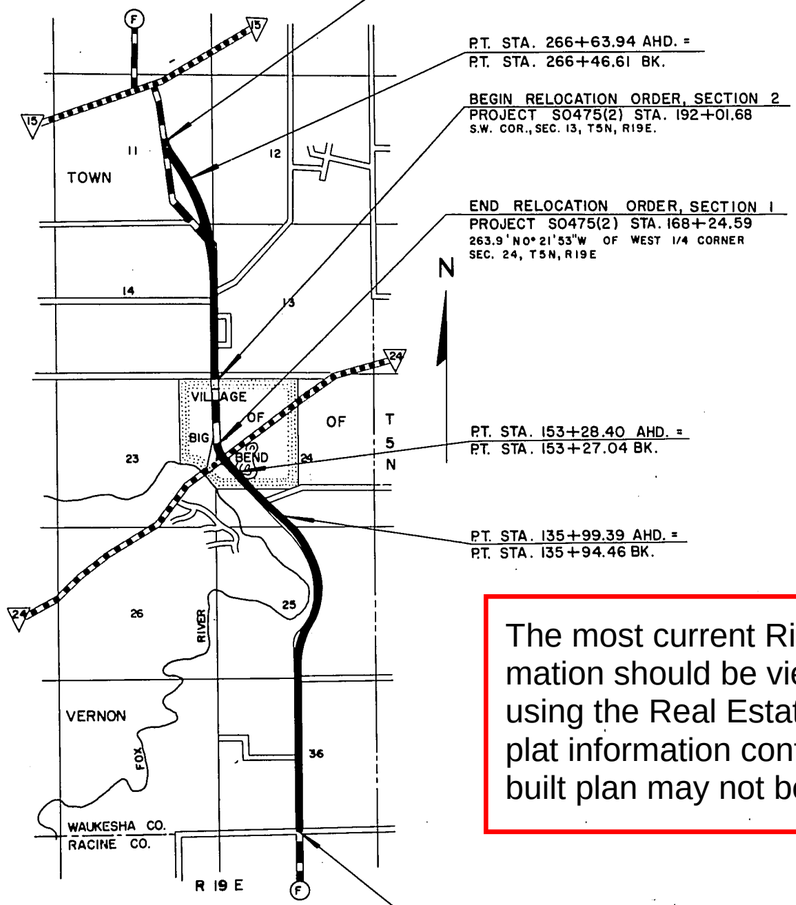
SEC. NO.	LOCATION	EACH
1	MAIN LINE SHLDR. DELIN.	
	68+00 – 75+00 LT.	8
	96+50 – 97+50 LT.	3
	SIDEROAD RADII	30
	BEAM GUARD 106+40 LT.	1
2	MAIN LINE SHLDR. DELIN.	
	149+50 – 155+50 LT.	7
	SIDEROAD RADII	3
	BEAM GUARD 149+40 RT.	1
3	MAIN LINE SHLDR. DELIN.	
	218+00 – 221+00 RT.	7
	222+00 – 224+00 RT.	5
	221+50 – 223+50 LT.	5
	242+50 – 243+50 RT.	3
	250+50 – 252+00 RT.	3
	244+00 – 253+00 LT.	10
	C.T.H. "U" SHLDR. DELIN.	
	21+00 – 31+00 RT.	11
	22+00 – 26+00 LT.	5
	29+00 – 31+00 LT.	3
	CHERI AVE SHLDR. DELIN.	
	16+00 – 19+00 LT. & RT.	10
	SIDEROAD RADII	27
	BEAM GUARD 243+90 RT.	1

PIPE UNDERDRAIN, C.M.P., 6"

	LOCATION	LIN. FT.
1	MAIN LINE	
	108+00 – 111+00 RT.	300

MINOR SIDE ROAD & PRIVATE ENTRANCE PIPES

SEC. NO.	END WALLS	STATION	DIAMETER INCHES	LENGTH LIN. FT.	TYPE RCCP CLASS	TYPE STEEL GAGE	TYPE ALUM. GAGE	RIP RAP	MARKERS
1	MAIN LINE P.E.'S.								
	42	21@28'	18	588	III	16	16		
	2	35+05 LT.	24	28	III	14	14		
	2	53+55 RT.	18	36	III	16	16		
	2	54+15 RT.	18	34	III	16	16		
	2	69+50 RT.	24	28	III	14	14		
	2	74+30 RT.	24	28	III	14	14		
	2	90+80 RT.	24	32	III	14	14		
	2	94+80 LT.	18	40	III	16	16		
	2	95+50 RT.	24	28	III	14	14		
	2	118+75 RT.	18	34	III	16	16		
	2	148+00 RT.	18	46	III	16	16		
	COUNTY LINE ROAD								
	2	20+50 ℄	24	40	III	14	14		2
	P.E.'S.								
	2	21+00 RT.	18	28	III	16	16		
	RIVER AVE.								
	2	19+60 ℄	24	42	III	14	14		2
	KELSEY AVE								
	2	20+45 ℄	24	50	III	14	14		2
	P.E.'S.								
	2	22+20 LT.	18	28	III	16	16		
2	MAIN LINE P.E.'S.								
		164+00 LT.	12	28	III	16	16		
3	MAIN LINE P.E.'S.								
	18	9@28'	18	252	III	16	16		
	2	216+90 LT.	24	28	III	14	14		
	2	217+90 RT.	18	40	III	16	16		
	ARTESIAN AVE								
	2	19+60 ℄	24	50	III	14	14		2
	C.T.H. "U"								
	2	23+25 ℄	36	92	III	12	12		2
	2	30+34 ℄	72 X 44	66		CMPA			2
	P.E.'S.								
	2	25+50 RT.	48	48	III	12	12		
	2	26+90 LT.	18	28	III	16	16		
	CHERI AVE								
	1	15+55 ℄	24	70	III	14	14	1	2
2	UNPERFORATED PIPE UNDERDRAIN								
	FIELD TILE REPLACEMENT		12	100	—	16	16		



LOCATION SKETCH

SCALE
0 1/2 1 MILES

The most current Right of Way information should be viewed in DOTView using the Real Estate project ID. The plat information contained in this as-built plan may not be the final record.

OFFICIAL PLAT ON FILE WITH THE REGISTER OF DEEDS OFFICE

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT STATE	CLASS AND AGREEMENT FEDERAL	B. P. R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
67.6	475.0		13.2	4 WIS.	4	
CONST. PROJECT			S 0475(2)		4	145

SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTERESTS REQUIRED	ACRES	PARCEL NUMBER	SHEET NUMBER	OWNER	INTERESTS REQUIRED	ACRES
1	4.2	ALBERT H. MASON	FEE, L.H.E.	0.34	30	4.5	TN. OF VERNON SCHOOL DIST. NO. 1	FEE	0.11
2	4.2	AMANDUS T. OLSON	FEE	0.37	31	4.5	ROMAN HOLTZ	FEE	0.63
3	4.2	MARTIN W. JACOBSON	FEE	1.04	32	4.5	LAWRENCE C. ROLFSON	FEE	0.03
4	4.2	ARTHUR W. MEHRING	FEE	0.19	33	4.5 & 4.6	WARREN V. COOK	FEE	0.17
5	4.2	ARTHUR KELLER	FEE	1.29	34	4.6	HAROLD C. BUCKETT, JR.	FEE	0.33
6	4.2 & 4.3	FLORENCE LOUGHNEY	FEE, L.H.E	0.45	35	4.6	PETER GULCZYNSKI	FEE, L.H.E.	0.07
7	4.2 & 4.3	HARLAND N RAUSCH	FEE	0.66	36	4.6	AUGUST E. ANSTEDT	FEE	1.06
8	4.2	RAYMOND MANEY	FEE	0.47	37	4.6	ROBERT R. ROZINSKI	FEE	0.10
9	4.3	JAMES F. MANEY	FEE	1.15	38	4.6	MARGARET C. ANDERSON	FEE	3.77
10	4.3	JULIA C. PETERSON	FEE, L.H.E.	1.40	39	4.6	EDWARD HAVERBERG	FEE	0.17
11	4.3	JOHN A. PETERSON	FEE	0.02	40	4.6	OTTO C. BAUER	FEE	0.01
12	4.3 & 4.4	BERNARD MANEY	FEE, L.H.E.	4.65	41	4.7	KENNETH H. ERASMUS	FEE	5.92
13	4.3 & 4.4	FLORENCE J. GRAVES	FEE	0.15	42	4.7	ARTHUR C. BELTZ	FEE	4.85
14	4.4	ERNST O. SCHLIETER	FEE	0.09	43	4.7	THOMAS W. DARLING, ET. AL.	FEE	0.09
15	4.4	ROGER J. KING	FEE	0.01	44	4.7	MABEL BELTZ, ET. AL.	FEE	0.23
16	4.4	JOSEPH M. PETERSON	FEE	0.02	47	4.6	ALBE CONSTRUCTION COMPANY	FEE, L.H.E.	0.25
17	4.4	ARTHUR KELLER	FEE	0.15					
18	4.5	FRANK T. MC KENNA	FEE	0.01					
19	4.4	HERBERT F. HOLTZ	FEE	0.02					
20	4.4	HERBERT C. HOLTZ	FEE	0.11					
21	4.4	PAUL F. KRUEGER	FEE	0.43					
22	4.4	JOSEPH DIEHN	FEE	0.04					
23	4.4 & 4.5	ROY C. LEKFIELD	FEE, L.H.E.	0.45					
24	4.4 & 4.5	EWALD C. SCHMIDT	FEE	0.33					
25	4.5	GEORGE FOLEY	FEE	0.01					
26	4.5	ELIZABETH MANNIGAN	FEE	0.01					
27	4.5	CITIZENS BANK OF MUKWONAGO	FEE	0.06					
28	4.5	JOHN KNUTOWSKI	FEE, L.H.E.	0.32					
29	4.5	HAROLD A. PECK	FEE, L.H.E.	0.03					
45	4.5	DONALD J. KOHEL & DALE R. VANSWOL	FEE, L.H.E.	0.01					
46	4.3	ARTHUR KROUPA	FEE*	0.01					

* INCLUDES SECTION 86.05 RIGHTS

ROAD WIDTH RECORDS

ROAD	WIDTH	TOWN RECORD
COUNTY LINE ROAD	66' BY STATUTE	NO RECORD
HENNEBERRY AVENUE	49.50' BY DEED	
ORCHARD AVENUE	50' (SUBDIVISION)	
S.T.H. 24	66' BY STATUTE	NO RECORD
EDGEWOOD AVENUE	66' BY STATUTE	NO RECORD
MARDITH AVENUE	60' (SUBDIVISION)	
ARTESIAN AVENUE	66' BY STATUTE	NO RECORD
C.T.H. "U" (GUTHRIE ROAD)	66' BY STATUTE	NO RECORD
CHERI AVENUE	66' BY STATUTE	NO RECORD
EXISTING C.T.H. "F"	66' BY STATUTE	NO RECORD

STANDARD ABBREVIATIONS

ACCESS POINT	A.P.	LIMITED HIGHWAY EASEMENT	L.H.E.
ACRES	AC.	POINT OF CURVATURE	P.C.
AHEAD	AHD.	POINT OF INTERSECTION	P.I.
AVENUE	AVE.	POINT OF TANGENCY	P.T.
BACK	BK.	PROJECT	PROJ.
BARN	B.	PROPERTY LINE	P.L.
BUILDINGS	BLDGS.	RADIUS	R.
CENTERLINE	℄	REFERENCE LINE	R.L.
CONCRETE	CONC.	RESTAURANT	REST
CORNER	COR.	RIGHT	RT.
COUNTY TRUNK HIGHWAY	C.T.H.	RIGHT OF WAY	R/W
DEGREE OF CURVE	D.	SECTION	SEC.
FEDERAL AID PROJECT	F.A.P.	SHED	S.
FOOT (FEET)	FT.	STATE TRUNK HIGHWAY	S.T.H.
FOUNDATION	FDN.	STATION	STA.
GARAGE	G.	TANGENT LENGTH OF CURVE	T.
HIGHWAY	HWY.	TAVERN	TAV.
HOUSE	H.	TRANSMISSION TOWER	T.T.
IRON PIN	I.P.	WELL	W.
LEFT	LT.		
LENGTH OF CURVE	L.		

REVISION DATE
1/11/65
5/25/65

PLAT OF RIGHT OF WAY REQUIRED

PROJECT S 0475(2)

SOUTH COUNTY LINE - S.T.H. 15 ROAD
C.T.H. "F" WAUKESHA COUNTY

LENGTH 4.450 MILES

DATED NOV. 16, 1964

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		B. P. R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
67.6	475.0		13.2	4 WIS.	4.1	
CONST. PROJECT				S 0475(2)	4.1	145

N

35 26 23 14 36 25 24 13 12

FOX RIVER

RIVER AVENUE

COUNTY LINE ROAD

KELSEY AVENUE

HENNEBERRY AVENUE

EDGEWOOD AVENUE

MARDITH AVE.

GUTHRIE ROAD

ARTESIAN AVENUE

CHERI AVENUE

MILL POND

VILLAGE OF BIG BEND

EWALD C. SCHMIDT 5.71 AC.

PAUL F. KRUEGER 11.84 AC.

HERBERT C. HOLTZ 5.02 AC.

HERBERT F. HOLTZ 8.28 AC.

(1) ALBERT H. MASON ± 95 AC.

(2) AMANDUS T. OLSON ± 105 AC.

(3) MARTIN W. JACOBSON ± 63 AC.

(4) ARTHUR W. MEHRING ± 194 AC.

(5) ARTHUR KELLER 99.5 AC.

(6) FLORENCE LOUGHNEY ± 58 AC.

(7) HARLAND N. RAUSCH ± 150 AC.

(8)

(9) JAMES F. MANEY ± 105 AC.

(10) JULIA C. PETERSON ± 155 AC.

(11)

(12) BERNARD MANEY ± 189 AC.

(13)

(14)

(15)

(16)

(17) ARTHUR KELLER 30.31 AC.

(18)

(19)

(20)

(21)

(22)

(23) ROY C. LEKFIELD ±26.4 AC.

(24)

(25)

(26)

(27)

(28)

(29)

(30) TOWN OF VERNON SCH. DIST. #1 10.62 AC.

(31) ROMAN HOLTZ 56.4 AC.

(32)

(33)

(34)

(35) PETER & CECILIA GULCZYNSKI 2.22 AC.

(36)

(37)

(38) MARGARET ANDERSON ± 61 AC.

(39) EDWARD HAVERBERG 11.12 AC.

(40) OTTO C. BAUER 19.83 AC.

(41) KENNETH H. ERASMUS 62.89 AC.

(42) ARTHUR C. BELTZ 60.9 AC.

(43) THOMAS W. DARLING, ET. AL. 183.7 AC.

(44) MABEL BELTZ, ET. AL. 75.8 AC.

(45)

(46) ARTHUR KROUPA .053 AC.

(47) ALBE CONSTRUCTION CO. 59.71 AC.

WARREN V. COOK 5.70 AC.

AUGUST E. ANSTEDT 10.64 AC.

REVISION DATE	
1/11/65	
5/25/65	

PLAT OF RIGHT OF WAY REQUIRED

LAYOUT SHOWING PROPERTY BOUNDARIES AND ACREAGE

PROJECT S 0475(2)

SOUTH COUNTY LINE - S.T.H. 15 ROAD

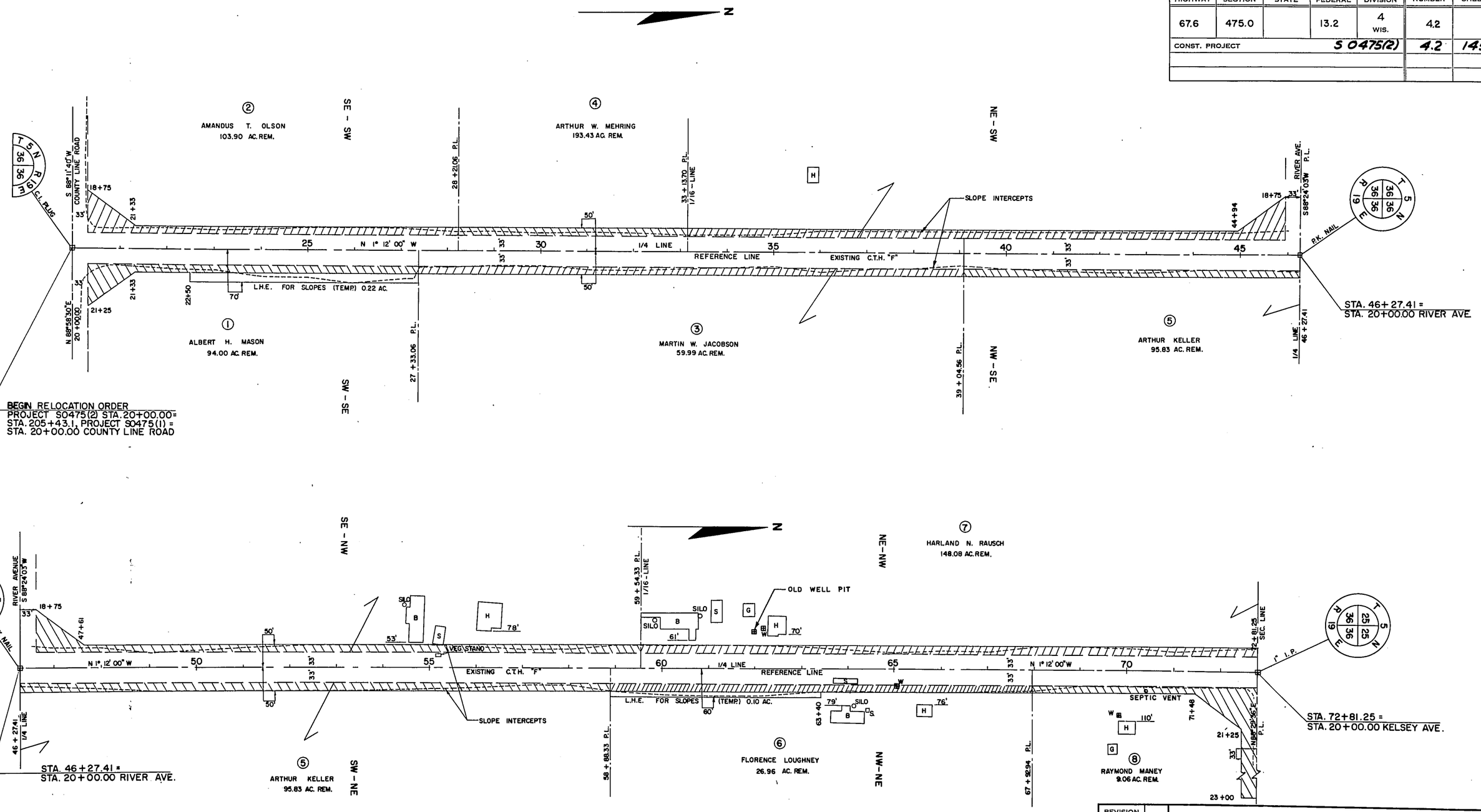
C.T.H. "F" WAUKESHA COUNTY

SCALE

0 1000 2000 FEET

DATED NOV. 16, 1964

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		B. P. R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
67.6	475.0		13.2	4 WIS.	4.2	
CONST. PROJECT				S 0475(2)	4.2	145



BEARINGS SHOWN ON THIS PLAT ARE BASED ON TRUE NORTH AS OBSERVED AT STATION 72 + 81.25. (ALTITUDE METHOD)

REVISION DATE
1/11/65
5/25/65

PLAT OF RIGHT OF WAY REQUIRED

PROJECT S 0475(2)

SOUTH COUNTY LINE - S.T.H. 15 ROAD
C.T.H. "F" WAUKESHA COUNTY

SCALE 0 100 200 FEET

LENGTH MILES

DATED NOV. 16, 1964

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		B. P. R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
67.6	475.0		13.2	4 WIS.	4.3	
CONST. PROJECT			S 0475(2)		4.3	145

STA. 72+81.25 = STA. 20+00.00 KELSEY AVENUE

1" I.P.

T 5 N R 19 E 36 36 25 25

SECTION LINE 72+81.25

KELSEY AVE. N 88°29'36" E

P.C. 75+72.72

SLOPE INTERCEPTS

⑥ FLORENCE LOUGHNEY 29.38 AC. REM.

⑨ JAMES F. MANEY 102.95 AC. REM.

⑩ JULIA C. PETERSON 151.76 AC. REM.

⑪ JOHN A. PETERSON ± 2 AC. 1.57 AC. REM.

SEPTIC VENT

FAV.

FOX RIVER

EXISTING C.T.H. "F"

REFERENCE LINE

N 1°12'00" W

N 0°46'07" W

2666.0'± 1/4-LINE

N 14° 41'40" E

S 88° 38' 53" W 504.6'±

FENCE CORNER

T 5 N R 19 E 25 25 25 25

SLOPE INTERCEPT

L.H.E. FOR SLOPES 0.05 AC. (TEMP.)

100 + 14.93 (TANG.) P.L. 1/4-LINE

2160.26' TO EAST 1/4 COR.

SW-SE

NE-SW

NW-SE

SW-NE

CURVE DATA		
P.I.	=	81 + 05.95
I	=	195° 53' 40"
Δ	=	15° 53' 40"
D	=	1° 30'
T	=	533.23'
L	=	1059.63'
R	=	3819.72'

P.T. 86 + 32.35

P.C. 91 + 89.45

N

1/4 - LINE P.L.

⑬ FLORENCE GRAVES 15.99 AC. REM.

⑯ ARTHUR KROUPA 0.53 AC. 0.34 AC. REM.

ALFRED P. WIDISH .033 AC.

FOX RIVER

EXISTING C.T.H. "F"

REFERENCE LINE

L.H.E. FOR SLOPES 0.48 AC. (TEMP.)

N 14° 41'40" E

N 18° 49' 35" W

SLOPE INTERCEPTS

⑫ BERNARD MANEY 180.65 AC. REM.

P.I. 106 + 52.24

P.C. 114 + 69.53

CURVE DATA		
P.I.	=	106 + 52.24
I	=	146° 28' 42"
Δ	=	33° 31' 18"
D	=	2° 00'
T	=	862.79'
L	=	1676.08'
R	=	2864.79'

BEARINGS SHOWN ON THIS PLAT ARE BASED ON TRUE NORTH AS OBSERVED AT STATION 72 + 81.25 (ALTITUDE METHOD)

REVISION DATE	
1/11/65	
5/25/65	

PLAT OF RIGHT OF WAY REQUIRED

PROJECT S 0475(2)

SOUTH COUNTY LINE - S.T.H. 15 ROAD
C.T.H. "F" WAUKESHA COUNTY

SCALE 0 100 200 FEET

LENGTH MILES

DATED NOV. 16, 1964

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT: STATE	CLASS AND AGREEMENT: FEDERAL	B. P. R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
67.6	475.0		13.2	4 WIS.	4.4	
CONST. PROJECT			S 0475(2)		4.4	145

CURVE DATA
P.I. = 125 + 58.43
I = 148° 03' 58"
Δ = 31° 56' 02"
D = 1° 30'
T = 1092.90'
L = 2128.93'
R = 3819.72'

(13) FLORENCE J. GRAVES 15.99 AC. REM.
(14) ERNST O. SCHLIETER 1.17 AC. 0.78 AC. REM.
(15) ROGER J. KING 1.00 AC. 0.99 AC. REM. VOL. 885, PAGE 459
(16) JOSEPH M. PETERSON 0.50 AC. 0.40 AC. REM.
(17) ARTHUR KELLER 29.80 AC. REM.
(12) BERNARD MANEY 180.65 AC. REM.
(19) HERBERT F. HOLTZ 8.02 AC. REM.
(20) HERBERT C. HOLTZ 4.74 AC. REM.
(21) PAUL F. KRUEGER 11.01 AC. REM.
(22) JOSEPH DIEHN 0.34 AC. 0.24 AC. REM VOL. 528, PAGE 489
(23) ROY C. LEKFIELD 34.78 AC. REM.
(24) EWALD C. SCHMIDT 5.03 AC. REM.

LAUREL KILLIPS L.C. TO ARTHUR W. WEDELL
LAUREL KILLIPS
RAYMOND L. HOLTZ
KENNETH H. RINDT
GREENHOUSE
REFRESHMENT STAND
MILL POND
L.H.E. FOR SLOPES (PERM.) 0.69 AC. (149+20 TO 155+20)
LIMITS
VILLAGE
HENNEBERRY AVENUE
EXISTING C.T.H. "F"
REFERENCE LINE
FLAG POLE
SLOPE INTERCEPTS
SEC. LINE
1/4 - LINE
1/16 LINE
I.P.
P.C. 114+65.53
P.T. 135+94.46 BK. = 135+99.39 AHD.
P.T. 153+27.04 BK. = 153+28.40 AHD.
STA. 141+89.94 = STA. 20+00.00 HENNEBERRY AVENUE
N 50° 45' 40" W
N 18° 49' 36" W
N 73° 29' 52" W
N 69° 22' 57" E
981.06'
113.18'
111.84'
115.33'

CURVE DATA
P.I. = 148 + 42.72
I = 192° 09' 14"
Δ = 12° 09' 14"
D = 1° 15'
T = 487.99'
L = 972.31'
R = 4583.66'

BEARINGS SHOWN ON THIS PLAT ARE BASED ON TRUE NORTH AS OBSERVED AT STATION 72 + 81.25 (ALTITUDE METHOD).

REVISION DATE	
1/11/65	
5/25/65	

PLAT OF RIGHT OF WAY REQUIRED

PROJECT S 0475(2)

SOUTH COUNTY LINE - S.T.H. 15 ROAD
C.T.H. "F" WAUKESHA COUNTY

SCALE
0 100 200
LENGTH MILES FEET

DATED NOV. 16, 1964

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		B. P. R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
67.6	475.0		13.2	4 WIS.	4.5	
CONST. PROJECT			S 0475(2)		4.5	145

STA. 10+00 "T" = STA. 15+78.57 S.T.H. 24

STA. 161+03.62 = STA. 20+00.00 S.T.H. 24

"T" LINE N 10°20'39" E EXISTING C.T.H. "F"

STA. 14+72.48 "T" = STA. 163+35 TANG.

GEORGE FOLEY 0.25 AC. 0.22 AC.REM.

ELIZABETH MANNIGAN 0.29 AC. 0.27 AC.REM.

CITIZENS BANK OF MUKWONAGO 0.44 AC. 0.31 AC.REM.

(24) EWALD C. SCHMIDT 5.03 AC.REM.

(27) (18) (25) (26)

FRANK T. MC KENNA FUNERAL HOME 0.45AC. 0.44 AC. REM.

SERVICE STA.

BANK

SEPTIC MANHOLE

SEEPAGE BED

S 48°11'49" W

N 49°01'28" W

3S - 3N

3S - 3E

N

LIGHT POST

REFERENCE LINE

N 38°36'26" W

STA. 156 + 27.78 = STA. 20+00.00 ORCHARD AVE.

SLOPE INTERCEPT

(23) ROY C. LEKFIELD

L.H.E.(PERM.) 0.04 AC.

ORCHARD AVENUE

N 45°01'57" E

(45) DONALD J. KOHEL & DALE R. VANSWOL 0.34 AC. 0.33 AC. REM. L.H.E. FOR SLOPES (TEMP.) 0.02 AC.

(28) JOHN KNUTOWSKI 1.02 AC. 0.48 AC.REM. L.H.E. FOR SLOPES (TEMP.) 0.05 AC.

S.T.H. 24

SUPER MARKET

SEPTIC MANHOLE

SERVICE STA.

MS - MN

MN - MS

(29) HAROLD A. PECK 0.48 AC. 0.35 AC. REM. L.H.E. FOR SLOPES (TEMP.) 0.01 AC.

CHURCH

PK. NAIL

N 1°03'39" E 263.90'

N 0°21'53" W

ROSE AVENUE N89°38'42"E

CURVE DATA M.L.

P.I.	163+78.20
I	229°05'27"
Δ	49°05'27"
T	91.34'
L	171.36'
R	200.00
P.C.	162+86.86
P.T.	164+58.22

CURVE DATA "T" LINE

P.I.	13+54.25
Δ	31°37'30"
T	27.15'
L	55.20'
R	100.00'
P.C.	13+27.10
P.T.	13+82.30

BEGIN RELOCATION ORDER, SECTION 2
PROJECT S0475(2) STA. 192+01.68
S.W. COR. SEC. 13, T5N, R19E

END RELOCATION ORDER, SECTION 1
PROJECT S 0475(2) STA. 168+24.59 =
STA. 20+00.00 ROSE AVENUE
263.90' N 0°21'53"W OF WEST 1/4-CORNER SEC. 24, T. 5N., R.19E.

(30) TOWN OF VERNON SCHOOL DISTRICT NO.1 9.98 AC. REM.

SCHOOL

SEC. LINE S 89°41'57" W

P.L. 199+00.84

SE - SE

(31) ROMAN HOLTZ 54.11 AC. REM.

NE - SE

ARTESIAN AVENUE 1/4-LINE P.L.

S 89°59'32" W

19+00

217+45

H. W.

SLOPE INTERCEPT

196+50

REFERENCE LINE

N 0°22'05" W

STA. 218+49.77 = STA. 20+00.00 ARTESIAN AVE

R.R SPIKE

PK NAIL

EDGEWOOD AVENUE (C.T.H."U")

S 89°30'04" E

STA. 192+01.68 = STA. 20+00.00 EDGEWOOD AVE.

SW - SW

MARDITH AVENUE S 88°51'49" W

STA. 203+66.57 = STA. 20+00.00 MARDITH AVE

NW - SW

STA. 215+38.68 = STA. 20+00.00 MARDITH AVE.

MARDITH AVENUE S 89°28'55" W

216+27.75

(33) WARREN V. COOK 5.22 AC. REM.

POND

(32) LAWRENCE C. ROLFSON 0.92 AC. REM.

BEARINGS SHOWN ON THIS PLAT ARE BASED ON TRUE NORTH AS OBSERVED AT STATION 72 + 81.25. (ALTITUDE METHOD)

REVISION DATE
1/11/65
5/25/65

PLAT OF RIGHT OF WAY REQUIRED

PROJECT S 0475(2)
SOUTH COUNTY LINE – S.T.H. 15 ROAD
C.T.H. "F" WAUKESHA COUNTY

SCALE 0 100 200 FEET

LENGTH MILES

DATED NOV. 16, 1964

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		B. P. R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
67.6	475.0		13.2	4 WIS.	4.6	
CONST. PROJECT			S 0475(2)		4.6	145

R 19 E T 5 N — 14 13 14 13

I 5

ARTESIAN AVENUE

R.R. SPIKE

S 89° 59' 32" W 322.97'

16+77.03 P.L. 359.69'

P.L.

(34) HAROLD C. BUCKETT, JR. 2.67 AC. 2.00 AC. REM.

18+75 101' H. 219.50

70'

322.97' 222+09.46 P.L.

(37) ROBERT R. ROZINSKI 2.67 AC. REM.

SE — NE

STA. 221+40.00 = STA. 20+34.12 C.T.H. "U"

STA. 218+49.77 = STA. 20+00.00 ARTESIAN AVE.

220 + 359.69'

50'

SEPTIC VENT 50' 9' H 224+78.48

REFERENCE LINE

269.02'

225

N 0° 36' 03" W

PC. 227+93.95

75'

(38) MARGARET C. ANDERSON 55.69 AC. REM.

NE — NE

N 35° 08' 34" E 79.66

220+95.00 100' RT.

POND

1/4 LINE

(33) WARREN V. COOK 5.22 AC. REM.

222+75

21'+45

N 37° 01' 34" W 61.61'

33'

230

50'

SLOPE INTERCEPTS

TO BE OBLITERATED

EXISTING C.T.H. "F"

65'

CHERI AVENUE I 5

S 89° 50' 00" W

40'

SECTION LINE

18+45

244+45

N 69° 03' 46" E

220+97.27 P.L.

(35) 23+70 50' RT. (PETER GULCZYNSKI (CECILIA GULCZYNSKI 1.65 AC. REM.

PC. 24+12.53

(36) AUGUST E. ANSTEDT 10.64 AC. 8.29 AC. REM.

SW — NW

232+65

BW H G

235

240

245

220+41.07

B

P.L.

25

25+00 (ITEM) L.H.E. (TEMP.) FOR SLOPES 0.26 AC.

(39) EDWARD HAVERBERG 10.52 AC. REM.

239+00

50'

1.3 AC. SEVERED

243+00

70'

218.34' 243+04.22 (TEMP.)

STA. 245+24.05 ℄ = STA. 19+52.66 CHERI AVE.

P.L.

(47) ALBE CONSTRUCTION CO. 58.70 AC. REM.

P.I. 27+11.51

L.H.E. (TEMP.) FOR SLOPES 0.26 AC.

50'

8' H.

S 65° 12' E 29+97.44

P.I.

30+00

N 39° 59' 02" E 66'

P.L. 30+35.14

FDN.

C.T.H. "U"

33+00

226+54.22 P.L.

231+76.99 P.L. 1/16 LINE

(40) OTTO C. BAUER 19.75 AC. REM.

MN — MW

6"x6" STONE

R 19 E T 5 N — 11 14 13 12

P.L.

CURVE DATA

P.I. = 27+11.51
I = 150° 45' 16"
Δ = 29° 14' 44"
D = 5° 00'
R = 1,145.95'
T = 298.98'
L = 584.91'

CURVE DATA

P.I. = 247+72.32
I = 147° 53' 40"
Δ = 32° 06' 20"
D = 0° 50'
T = 1,978.37'
L = 3,852.66'
R = 6,875.50'

BEARINGS SHOWN ON THIS PLAT ARE BASED ON TRUE NORTH AS OBSERVED AT STATION 72 + 61.25 (ALTITUDE METHOD)

REVISION DATE
12/11/65
5/25/65

PLAT OF RIGHT OF WAY REQUIRED

PROJECT S 0475 (2)

SOUTH COUNTY LINE — S.T.H. 15 ROAD

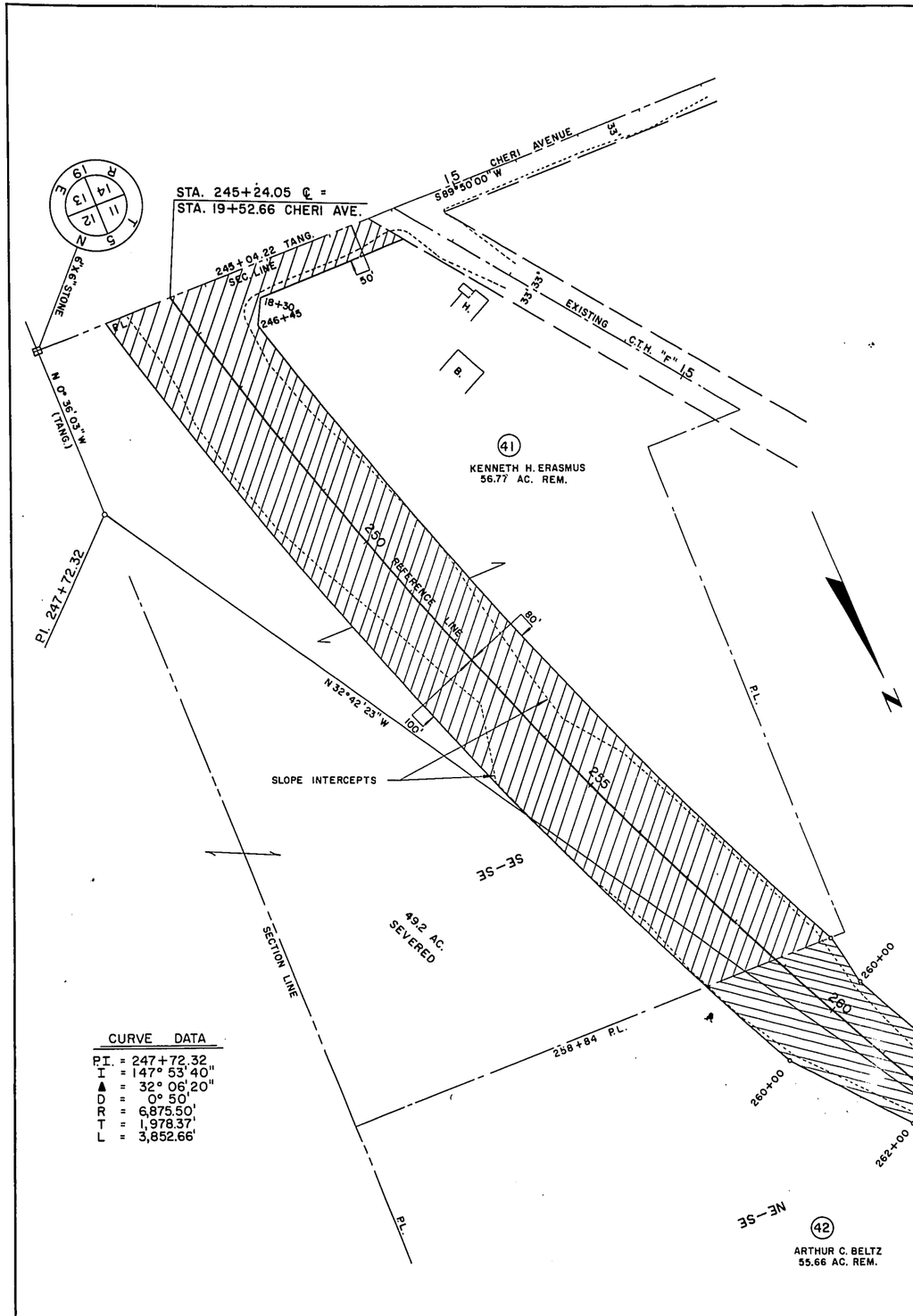
C.T.H. "F" WAUKESHA COUNTY

SCALE

0 100 200 FEET

LENGTH MILES DATED

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		B. P. R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
67.6	475.0		13.2	4 WIS.	4.7	
CONST. PROJECT			S 0475(2)		4.7	145



"FA" LINE
CURVE DATA

P.I. = 23+17.72
Δ = 34° 06'20"
I = 214°06'20"
R = 300.00'
T = 92.01'
L = 178.58'
P.C. = 22+25.71
P.T. = 24+04.29

CURVE DATA

P.I. = 275+00.05
I = 205° 53'40"
▲ = 25° 53'40"
D = 5° 00'
R = 1,145.92'
T = 263.45'
L = 517.89'

END RELOCATION ORDER, SECTION 2
PROJECT S0475(2) STA. 279+00
1,511.05' S 89°54'34"W AND 398.27' N6°48'43"W OF E 1/4 COR., SEC. 11, T5N, R19E.

CURVE DATA

P.I. = 247+72.32
I = 147° 53'40"
▲ = 32° 06'20"
D = 0° 50'
R = 6,875.50'
T = 1,978.37'
L = 3,852.66'

BEARINGS SHOWN ON THIS PLAT ARE BASED ON TRUE NORTH AS OBSERVED AT STATION 72 + 81.25 (ALTITUDE METHOD)

REVISION DATE
1/11/65
5/25/65

PLAT OF RIGHT OF WAY REQUIRED

PROJECT S 0475 (2)
SOUTH COUNTY LINE — S.T.H. 15 ROAD
C.T.H. "F" WAUKESHA COUNTY

SCALE
0 100 200
LENGTH MILES FEET DATED

W. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S0475(2)	5	145

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1	20+87	R.R. SPIKE IN 20" OAK 190' LT.	788.22
2	28+16	R.R. SPIKE IN 12" ELM 75' LT.	789.47
3	39+12	R.R. SPIKE IN 14" ELM 129' RT.	800.71
4	46+12	R.R. SPIKE IN TW. 12" OAK 150' LT.	823.80

P.O.T. STA. 13+88.11 S.R.

BRASS PLUGS IN CONCRETE

TIES TO 5¼ CORNER SEC. 36, T5N, R19E.

4" CAST IRON PLUG IN B.T. CONC., ON 2" PLUG IN CONCRETE

P.O.T. STA. 16+00.00 S.R. ℄

P.O.T. 16+00.00 ℄

WOODS

STA. 20+00.00 ℄ C.T.H. "F" = STA. 20+00.00 COUNTY LINE ROAD ∠ 90°36' 20" S ¼ COR., SEC. 36, T.5N., R.19E.

24" CMCP x 28'

24" x 28' CMCP

30" x 12" CMCP TO DRAIN YARD

24" x 28' CMCP

∠ 89°-29'-27" TO S.R. ℄

∠ 89°-36'-03" TO S.R. ℄ = ¼ SEC. LINE

RIVER AVE.

SMALL TREES

BRUSH

SIGN

℄ C.T.H. "F" = ¼ SEC. LINE

R/W

FLAG POLE

BIT. CONC.

SCHOOL

CENTURY FENCE

∠ 181°37' 08"

∠ 90° 10' 30" TO ℄

L.H.E.

6' DITCH

TREES

P.I. 33+76.16

P.O.T. 14+31.90

P.O.T. 33+76.16

P.O.T. 36+50.79935

P.O.T. 41+00.808.17

STA. 20+50 CO. LINE RD.
1-38" x 24" CMCP CL. III
INLET 789.3
DISCH. 789.0

BEGIN PROJECT S0475(2)
STA. 20+00

CO. LINE RD.

T = SEC. LINE

BIT.

P.O.T. STA. 26+39.71 S.R.

1/4 COR. STA. 20+00.00 ℄

P.O.T. STA. 14+31.90 ℄

P.O.T. STA. 33+76.16 ℄

P.O.T. STA. 46+27.41 ℄
= 20+00 S.R. ℄
= CTR. SEC. 36-5-19

P.O.T. STA. 46+26.61 ℄
= 20+00 S.R. ℄

FINISHED ℄

EXISTING ℄

+1.5%

STA. 20+42
REMOVE 1-15" X 55' C.M.C.P.

STA. 20+50
1-24" X 40' C.P. CL. III REQ'D.

COUNTY LINE ROAD

P.C. 18+00 796.52

P.I. 20+30 792.50

P.T. 22+60 792.50

P.C. 29+50 792.50

P.I. 33+00 792.50

P.I. 45+00 816.00

P.T. 36+50 79935

P.C. 41+00 808.17

V.C. = 460'

V.C. = 700'

V.C. = 800'

-1.748%

0.0%

+1.958%

+1.624%

STA. 23+02
REMOVE 1-36" X 22' C.M.P.
~~1-30" X 76' C.P. CL. III REQ'D.~~
2-30" x 72' CMCP CL. III
INLET 786.6
DISCH. 785.7

APPROXIMATE BOTTOM OF MARSH

UNDERCUT 10' RT. & 10' LT. ℄
53+00 - 39+00
& 31+80 - 33+00

YARDAGE SUMMARY
STA. 18+00 TO STA. 59+00

UNCL. EXC.	=	4,083 C.Y.
FILL	=	23,241 C.Y.
MARSH EXC.	=	4,150 C.Y.
MARSH FILL	=	4,061 C.Y.
SHRINKAGE	=	±25%
BORROW	=	30,043 C.Y.

796.52 794.96 793.78 793.53 792.57 792.50 792.50 792.50 792.50 792.50 792.50 792.50 792.50 792.53 792.81 793.37 794.21 795.33 796.73 798.41 800.33 802.29 804.25 806.21 808.17 810.10 812.00 813.85 814.67 817.44

PLAN-PROFILE & P.R. STANDARD

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
	S0475(2)	6	145

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
4	46+12	R.R. SPIKE IN TWIN 12" OAK	150' LT.	823.80
5	58+84	R.R. SPIKE IN 10" ASH	175' RT.	841.19
7	67+44	R.R. SPIKE IN 12" LOCUST	33' RT.	833.72
8	73+20	R.R. SPIKE IN 15" LOCUST	51 RT.	812.80

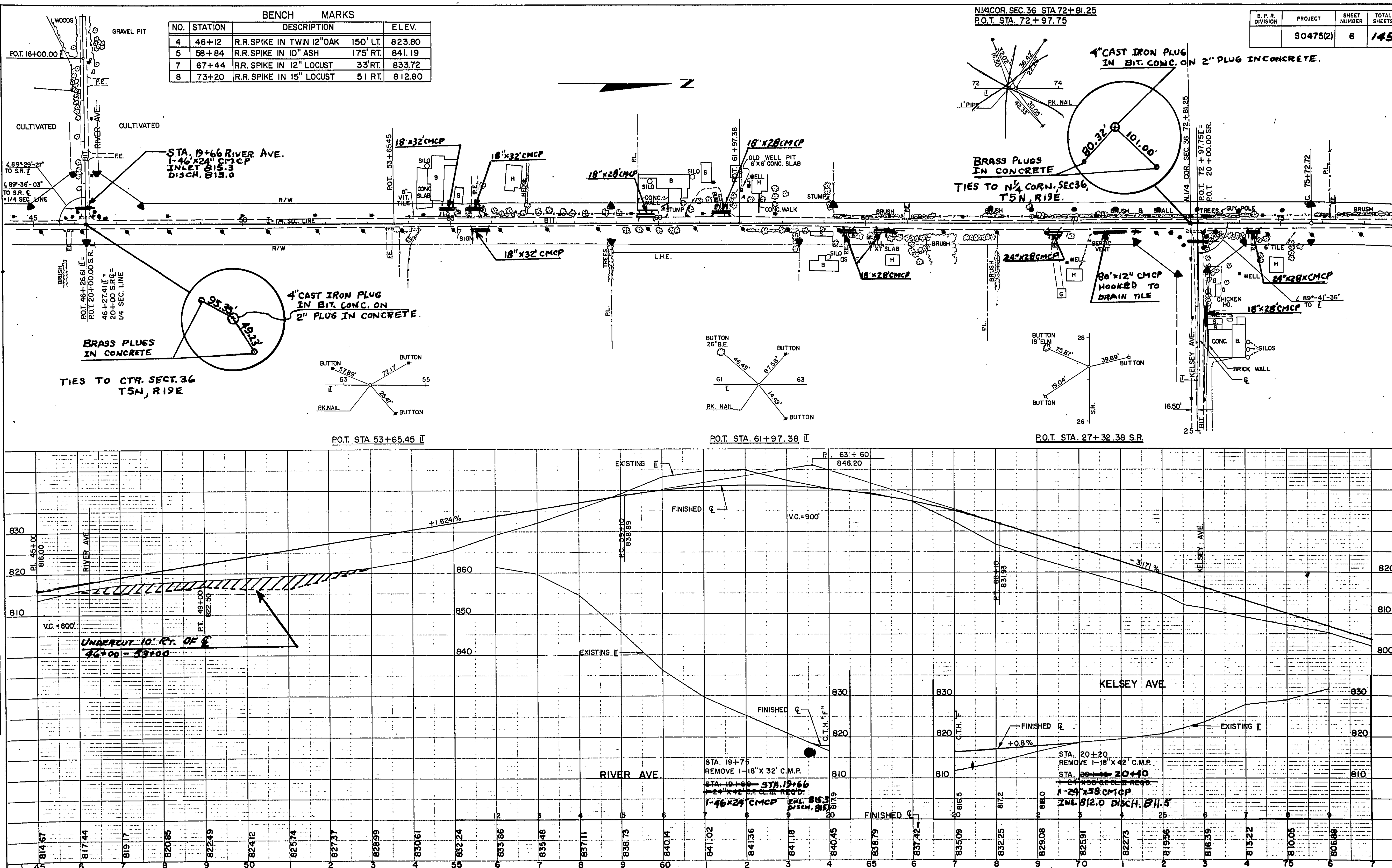


PLATE 1 - PLAN - PROFILE

BRUNING NO 42 161

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
	S0475(2)	7	145

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
8	82+95	R.R. SPIKE IN POWER POLE	62' LT.	786.95
9	93+90	R.R. SPIKE IN 52" ELM	36' LT.	783.94
10	102+31	R.R. SPIKE IN TRIP. 12" ELM	84' LT.	786.89

P.I. 81 + 05.95

CURVE DATA
P.I. = 81 + 05.95
Δ = 15° 53' 40"
T = 533.23'
L = 1059.63'
D = 1° 30'
S.E. = 0.04 1/4
T.R. = 175'

P.C. 75+72.72

P.T. 86 + 32.35

24"x28' CMCP

18"x28' CMCP

18"x46' CMCP

24"x32' CMCP

18"x28' CMCP

18"x28' CMCP

P.I. STA. 106 + 52.24 ℄

℄ CURVE DATA
P.I. = 106+52.24
Δ = 33°-31'-18"
T = 862.79'
L = 1676.08'
D = 2°-00'
S.E. = 0.05 1/4
T.R. = 175' @ P.C.
0' @ P.T.

℄ CURVE DATA
P.I. = 107 + 10.61
Δ = 35° 06' 20"
T = 906.17'
L = 1755.28'
D = 2° 00'

P.C. 97+89.45

ROT. 97 + 47.83
P.K. NAIL ON STUMP

P.C. 98 + 04.44

1/4 SEC. LINE
100 + 14.93 TANG.

P.I. STA. 81+05.95 ℄

P.T. STA. 86+32.35 ℄

P.C. STA. 98+04.44 ℄

P.I. STA. 107+10.61 ℄

℄ P.I. 106+52.24
℄ P.I. 107 + 10.61

FOX RIVER

L.H.E.

SEPTIC CONC. SILO

STONE WALL

SILO

BARN

2" x 2" TACKED HUB

BLUE X

STONE WALL

YARDAGE SUMMARY
STA. 59+00 TO STA. 97+50
UNCL. EXC. = 14,952 C.Y.
FILL = 12,066 C.Y.
SHRINKAGE = ± 25 %

YARDAGE SUMMARY
STA. 97+50 TO STA. 115+05
UNCL. EXC. = 14,029 C.Y.
FILL = 3,347 C.Y.
MARSH EXC. = 9,654 C.Y.
MARSH FILL = 7,876 C.Y.
SHRINKAGE = ± 25 %

-3.17%
P.C. 78+40
799.27
V.C. = 900'
FINISHED ℄
EXISTING ROAD
EXISTING ℄
P.I. 82+90
786.60
P.I. 87+40
786.60
0.0%
P.C. 91+30
785.00
V.C. = 420'
P.I. 93+40
785.00
FINISHED ℄
P.R.C. 95+50
788.88
+1.45%
UNDERCUT 12' RT. of ℄
98+10 - 99+90
V.C. = 1130'
+1.33%
P.T. 101+15
799.30
P.R.C. 106+40
791.77

STA. 94+32
REMOVE 1-6'X5'X23' CONC. ARCH-EXTENDED
WITH 60"X 6' C.M.P. LT. & 60"X 4' C.M.P. RT.

~~STA. 94+66~~ STA 94+32
~~1-72"X 44' X 10E C.M.P.A. REQ'D.~~
SKEW 12° L.H.F. 1-72" x44'-2½" CMPA
INL. 777.8 DISCH. 776.8

STA. 104+46
REMOVE 1-12"X 26' C.M.P.
1-24"X 72 C.P.C.L. III REQ'D. CMCP
STA. 04+80
REMOVE 1-15" X 36' C.M.P.
INL. 791.8
DISCH 783.0

75 6 7 80 1 2 3 4 85 6 7 8 9 90 1 2 3 4 95 6 7 8 9 100 1 2 3 4 105 6 7

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

BRUNING NO. 42181

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
	S0475(2)	8	145

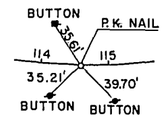
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
11	114+47	R.R. SPIKE IN POWER POLE 38' LT.	780.61
12	126+89	R.R. SPIKE IN 12" ELM 159' RT.	784.40

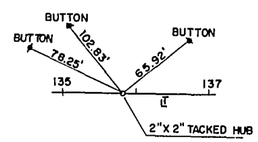
P.C.C. STA. 115+59.72 ℄

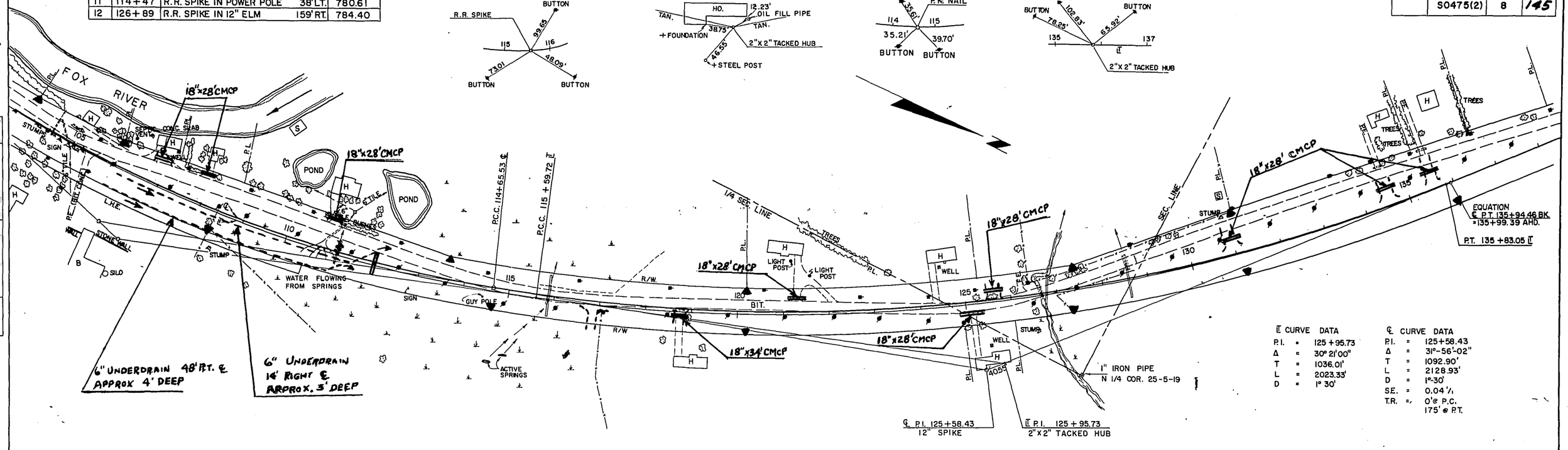
P.I. STA. 125+95.73 ℄

P.C.C. STA. 114+65.53 ℄



P.T. STA. 135+83.05 ℄





℄ CURVE DATA

P.I.	=	125+95.73
Δ	=	30° 21'00"
T	=	1036.01'
L	=	2023.33'
D	=	1° 30'

℄ CURVE DATA

P.I.	=	125+58.43
Δ	=	31°-56'-02"
T	=	1092.90'
L	=	2128.93'
D	=	1°-30'
SE.	=	0.04 ' / '
T.R.	=	0' @ P.C. 175' @ P.T.

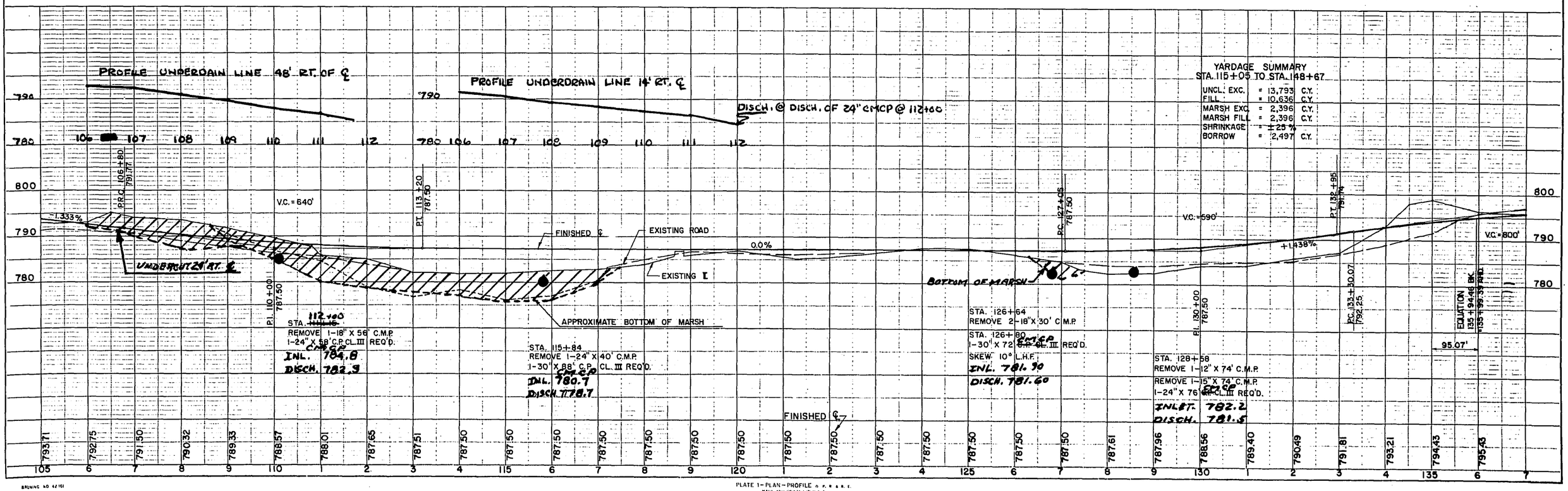


PLATE 1-PLAN-PROFILE

BRUNING NO 42151

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
	S0475(2)	9	145

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
13	138+10	R.R. SPIKE IN 50" ELM	63' LT.	796.00
14	147+45	BLUE □ S.W. COR. BOT. STEP MILL POND TAVERN	105' RT	799.06
15	160+50	BLUE □ S.W. COR. CONC. SIGN BASE	24' RT.	818.68

NOTE: SEE SHEETS 15-21 FOR PROPOSED PLAN & PROFILE STA 156 – 194. SEE SHEET 14 FOR T-LINE.

P.O.T. STA. 141+89.94 ℄

P.I. STA. 148+42.72 ℄

P.O.T. STA. 15+78.57 S.T.H. 24

P.O.T. 15+78.57 S.T.H. 24
P.O.T. 10+00 T LINE

128' x 12" CMCP CONNECTED TO LEKFIELD 8" CLAY TILE

BIG BEND

BEAM GUARD

MILL POND

TAVERN

VILLAGE OF

HENNEBERRY AVE.

ORCHARD AVE.

P.O.T. 23+41.71 S.R.
½" I.P.

P.O.T. 23+25.20 S.T.H. 24

P.I. STA 161+03.62 ℄

P.O.T. STA. 144+08.70 ℄

P.O.T. STA. 26+02.33

P.O.T. STA. 23+25.20 S.T.H.24

℄ CURVE DATA

P.I.	=	148 + 42.72
Δ	=	12° 09' 14"
L	=	607.67'
T	=	304.99'
D	=	2° 00'

℄ CURVE DATA

P.I.	=	148+42.72
Δ	=	12°-09'-14"
L	=	972.31'
T	=	487.99'
D	=	1°-15'
S.E.	=	0.015'/'
T.R.	=	125'

EQUATION: ℄ P.T. 153+27.04 BK. = 153+28.40 AHD.

EQUATION: ℄ P.T. 135+94.46 BK. = 135+93.35 AHD.

∠ 120°-08'-37"

∠ 95°-21'-37"

∠ 93°-11'-46"

YARDAGE SUMMARY
STA. 148+67 TO STA. 216+00
UNCL. EXC. = 17,190 C.Y.
FILL = 13,592 C.Y.
SHRINKAGE = ± 25.%

HENNEBERRY AVE.

PROFILE EXISTING ℄

FINISHED ℄

EXISTING ROAD

+1.43%

0.0%

V.C. = 800'

P.I. 137+35
798.00

P.T. 141+35
798.00

P.C. 154+60
798.00

EQUATION 135 + 94.46 BK. = 135 + 93.39 AHD.

EQUATION 153 + 27.04 BK. = 153 + 28.40 AHD.

95.07'

98.64'

STA. 149+50 CMCP
1-24" X 90' C.P. CL. III REQ'D.
SKEW 26° L.H.F.
INL. 792.0
DISCH. 790.5

STA. 155+66
REMOVE 1-36" X 38' CMP
2-30" X 38' CMP
STA. 155+66
1-72" X 44" X 76' C.M.P.A. REQ'D
SKEW 19° L.H.F.
INL. 791.3
DISCH. 788.7

794.43 795.43 796.30 796.96 797.50 797.83 797.99 798.00 798.00 798.00 796.46 796.46 796.46 796.46 796.46 796.46 796.46 796.46 796.46 796.46 796.46 796.46 796.46 796.46 796.46 796.46

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

BRUNING NO 42-101

B. P. R. DIVISION	PROJECT &	SHEET NUMBER	TOTAL SHEETS
	S0475(2)	10	145

E.E. SCHULTZ 9-64

NOTE BOOK ALIGNMENT CHECKED NO. L.L. RT. OF WAY CHECKED

N

EQUATION P.I. 168+29.59 ℄ BK.= P.O.T. 168+20.23 ℄ AHD. P.O.T. 20+00.00 S.R.

P.O.T. 174+16.53 ℄ = P.O.T. 20+00.00 S.R.

P.O.T. 178+75.75 ℄ = P.O.T. 20+00.00 S.R.

P.O.T. 184+32.17 ℄ = P.O.T. 20+00.00 S.R.

P.I. STA. 192+01.68 ℄ = P.I. STA. 20+00.00 S.R. N.E. COR. SEC. 23-5-19

P.O.T. 165+56.33 ℄ E 1/4 COR 23-5-19

∠ 89°-59'-25"

∠ 90°-12'-23"

∠ 90°-34'-39"

∠ 90°-03'-32"

∠ 90°-03'-24"

∠ 90°-08'-03"

4" CAST IRON PLUG IN BIT. CONC. ON 2" PLUG IN CONCRETE

BRASS PLUGS IN CONCRETE

TIES TO E¼ CORN. SEC. 23, T5N, R1E

48.17'

33.14'

P.O.T. 25+16.54 S.R.

MEDICAL CENTER

P.O.T. 23+96.07 S.R.

P.O.T. 23+46.13 S.R.

50'x12" CMCP TO DRAIN AREA BETWEEN HSE. & BLDG.

P.O.T. 23+72.01 S.R.

TIES TO NE. CORN. SEC. 23, T5N, R19E.

4" CAST IRON PLUG IN BIT. CONC. ON 2" PLUG IN CONC.

48.04'

51.70'

BRASS PLUGS IN CONCRETE

ROSE AVE. (BIT.)

MAPLE AVE. (BIT.)

RAMONA AVE. (BIT.)

PARK AVE. (BIT.)

EDGEWOOD AVE. (BIT.)

MULBERRY ST.

(BIT. CONC. OVER CONCRETE)

BLOCK WALL

CHURCH

APT. BLDG.

GRAVEL PARKING LOT

SIDEWALK BIT. OVER CONC.

LIGHT & POST I.P.

GUY POLE

BUSHES

BLDG.

LUMBER CO.

UNFINISHED BASEMENT

GATE POSTS

SIGN

CONC. SLAB

STONE WALL

W.E.P.CO. R/W

TRANSMISSION TOWER

POWER LINE

SPRUCE & PINES

OPEN PIT

TAV. & REST.

STEEL FRAME DISPLAY BLDG.

SCHOOL VERNON DISTRICT #1

BIT. CONC.

BIT. WALKS

CONC. WALKS

FLAG POLE

GRAVEL PARKING LOT

(GRAVEL)

TEL. M.H.

SIGN BULLETIN BOARD

UNDERGOUND

BARBER S.

FLAG POLE

1" PIPE

I.P.

+2" PIPE

3/4" PIPE

CONC. CURB

CONC. WALK

165 170 175 180 185 190 195

840 830 820 810

EXISTING ℄

NOTE: THIS SHEET IS INCLUDED FOR EXISTING TOPOGRAPHY.

NOTE BOOK GRADES CHECKED NO. L.L. W.M.'s NOTED STRUCTURE NOTATIONS CH'K'D.

PLATE 1 PLAN—PROFILE OF R. & R. E

MADE AND PUBLISHED IN U. S. A.

CHARLES BRUNING COMPANY INC

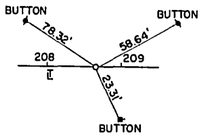
BRUNING NO 42-161

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
	S0475(2)	11	145

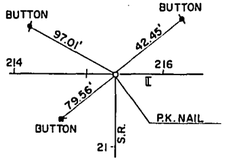
BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
21	203+90	R.R. SPIKE IN POWER POLE	200' RT.	828.75
22	210+30	BLUE ● S.W.COR.CONC.PORCH	100' RT.	830.60
23	218+70	R.R. SPIKE IN POWER POLE	16' RT.	836.97
24	22"U"+65	R.R. SPIKE IN 10" LOCUST	15' RT.	835.50

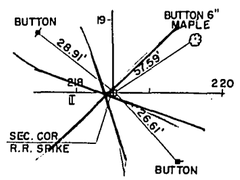
P.O.T. 208+64.61 ℄



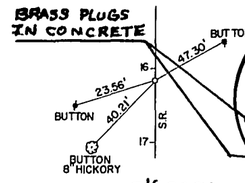
P.O.T. 215 +38.68 ℄



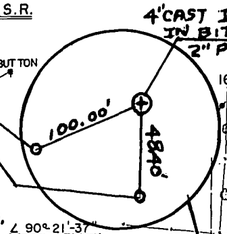
1/4 COR. STA. 218+49.77 ℄



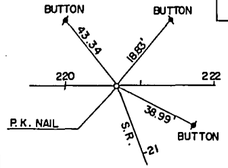
P.O.T. 16+19.21 S.R.



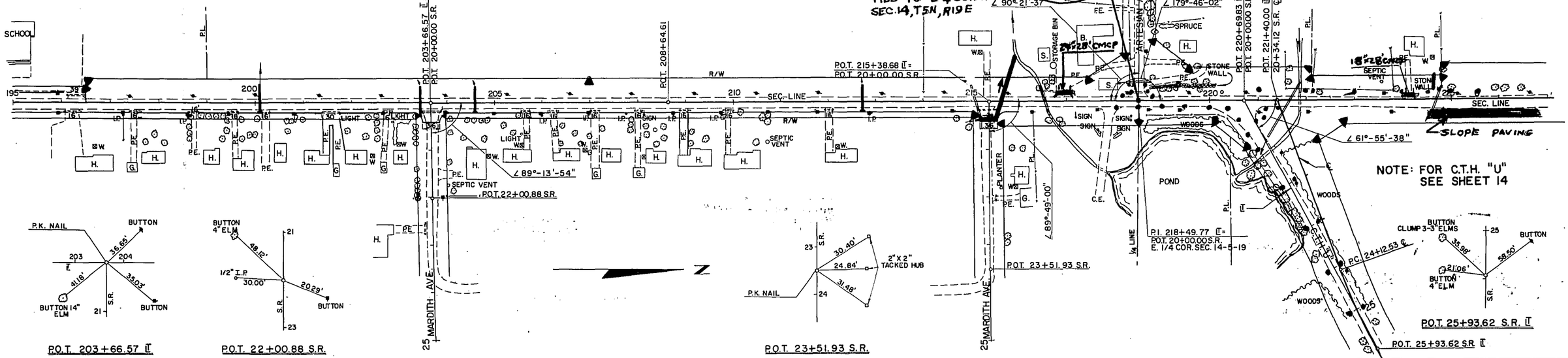
4" CAST IRON PLUG IN BIT. CONC. ON 2" PLUG IN CONCRETE.



P.O.T. 220+69.83 ℄



TIES TO E¼ CORN. SEC. 14, T5N, R1E

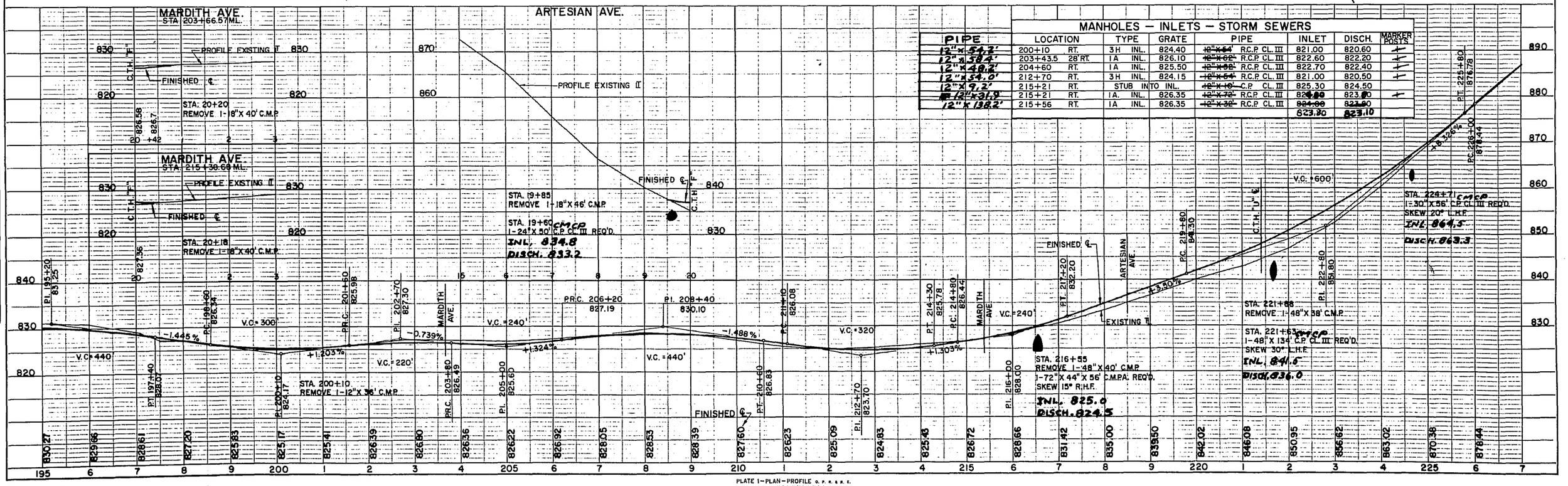


P.O.T. 203+66.57 ℄

P.O.T. 22+00.88 S.R.

P.O.T. 23+51.93 S.R.

P.O.T. 25+93.62 S.R. ℄



PIPE
12" x 54.2'
12" x 58.4'
12" x 48.2'
12" x 54.0'
12" x 9.2'
12" x 31.9'
12" x 138.2'

MANHOLES — INLETS — STORM SEWERS

LOCATION		TYPE	GRATE	PIPE	INLET	DISCH.	MARKER POSTS
200+10	RT.	3H INL.	824.40	~~12" x 64'~~ R.C.P. CL. III	821.00	820.60	+
203+43.5	28' RT.	1A INL.	826.10	~~12" x 62'~~ R.C.P. CL. III	822.60	822.20	+
204+60	RT.	1A INL.	825.50	~~12" x 98'~~ R.C.P. CL. III	822.70	822.40	+
212+70	RT.	3H INL.	824.15	~~12" x 64'~~ R.C.P. CL. III	821.00	820.50	+
215+21	RT.	STUB INTO INL.		~~12" x 19'~~ C.P. CL. III	825.30	824.50	
215+21	RT.	1A. INL.	826.35	~~12" x 72'~~ R.C.P. CL. III	~~824.80~~ 823.80	~~823.80~~ 823.00	+
215+56	RT.	1A INL.	826.35	~~12" x 32'~~ R.C.P. CL. III	~~824.00~~ 823.30	~~823.20~~ 823.10	

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

BRUNING NO. 42-101

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
25	234+21	R.R. SPIKE IN 16" MAPLE 12' LT.	930.29
26	8T"+84	R.R. SPIKE IN 10" B.E. 24' RT.	940.10

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
	S0475(2)	12	145

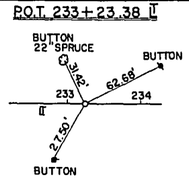
P.E. ENTWISTLE 7-65
M.E. SCHULTZ 2-65
M.E. LENROOT

NOTE BOOK PLOTTED ALIGNMENT CHECKED
NO. L.L. BY OFFICE BY OFFICE

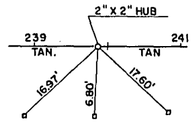
T.M. THOMPSON 1-65
I.B.M. L.E.U. 1-65
R. MURPHY

NOTE BOOK PLOTTED GRADES CHECKED
NO. L.L. BY OFFICE BY FIELD
STRUCTURE NOTATIONS CHKD

P.O.T. 233+23.38 ℄

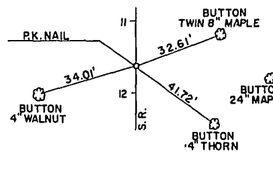


P.O.T. 239+86.72 ℄

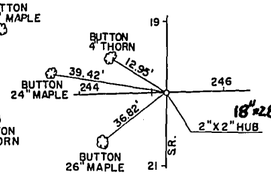


BLUE + ON CONC. FENCE POST

P.O.T. 11+63.75 S.R.



P.O.C. 245+19.25 ℄



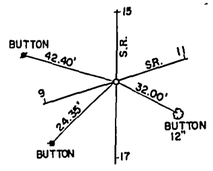
18"x28' CMCP

℄ CURVE DATA
P.I. = 247+72.32
Δ = 32°-06'-20"
T = 1648.65'
L = 3210.55'
D = 1°-00'

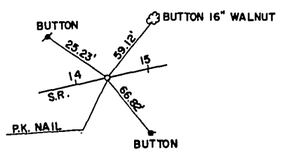
℄ CURVE DATA
P.I. = 247+72.32
Δ = 32°-06'-20"
T = 1978.37'
L = 3852.66'
D = 0°-50'
S.E. = 0.02'
T.R. = 175'/FT.

P.O.T. 11+63.75

P.O.T. 15+95.74 S.R.



P.O.T. 14+43.18"F"



P.O.T. 15+95.74 CHERI=
P.O.T. 10+00.00"F"

∠ 52°-09'-54"

C.T.H. "F"

CHERI AVE.

WOOD RAIL FC.
WIRE FC.

W&H P.E.

B.

OBLITERATE

WOODS

SEC. LINE

P.O.C. 245+24.05 ℄ =
P.O.T. 19+52.66 S.R.

P.O.C. 245+19.25 ℄ =
P.O.T. 20+00.00 S.R.

∠ 90°-26'-03"

P.O.T. 245+04.22 ℄
N.E. COR.
SEC. 14-5-19

169.20

P.I. 247+72.32

P.O.T. 530.81' NO. OF P.I.

BEAM GUARD

18"x28' CMCP

STONE FC.

ORCHARD

PINES

SPRUCE & PINE

R/W

P.C. 227+93.95

SLOPE PAVING

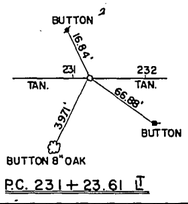
18"x28' CMCP

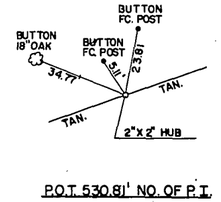
P.C. 231+23.67 ℄

P.O.T. 233+23.38 ℄

W&H

P.C. 231+23.61 ℄





YARDAGE SUMMARY
STA. 216+00 TO STA. 247+02

UNCL. EXC.	= 32,469	C.Y.
FILL	= 46,269	C.Y.
SHRINKAGE	= ± 20%	
BORROW	= 23,160	C.Y.

P.I. 232+30
930.90

+0.477%

+6.326%

V.C. = 1260'

STA. 238+04
REMOVE 1-18" X 48' C.M.P.
1-24"X68' C.P. CL. III REQ'D.
INL. 930.0 CMCP
DISCH. 929.4

T.D. POINTS

P.I. 238+80
933.91

EXISTING ROAD

EXISTING ℄

FINISHED ℄

EXISTING ROAD

EXISTING: ℄

EXISTING C.T.H. "F"

FINISHED ℄

STA. 15+55
1-24" X 70' C.P. CL. III REQ'D.
SKEW. 40° R.H.F.
INL. –
DISCH. –

CHERI AVE.

STA. 244+25 CMCP
1-36"X120' C.P. CL. IV REQ'D.
INL. 922.0 DISCH. 915.8

STA. 245+18 CMCP
1-24"X126' C.P. CL. III REQ'D.
INL. 918.8 DISCH. 919.5

STA. 249+30 186'
1-48" X 164' C.P. REQ'D.
10 CA. C.M. OR CL. IV R.C.P.
SKEW 34° L.H.F.
INL. 915.0
DISCH. 913.3

STA. 261+75
1-72" X 88' PIPE CATTLE PASS REQ'D.
SKEW 62° L.H.F.

CHERI AVE.

FINISHED ℄

EXISTING ℄

STA. 10+00
REMOVE 1-18" X 76' C.M.P.

STA. 9+00
REMOVE 1-15" X 22' C.M.P.

EXISTING C.T.H. "F"

P.O.T. 225+80
876.78

P.C. 226+00
878.44

886.46
893.85
900.63
906.78
912.29
917.21
921.49
925.13
928.17
930.57
932.34
933.61
934.10
934.57
935.05
935.53
936.01
936.48
936.96
937.44
937.91
938.39
938.87
939.35
939.82
940.30
940.78
941.26
941.73
942.21

967.5 967.5 958.5 950.0 944.0 940.0 937.7 936.9 937.1 944.3 945.6

225 6 7 8 9 230 1 2 3 4 235 6 7 8 9 240 1 2 3 4 245 6 7 8 9 250 1 2 3 4 255 6 7

930 920 910 900 890 880 870 1000 990 970 960 950 940 930 920 910 960 950 940 930 920

BRUNING NO 42 161

PLATE 1 – PLAN – PROFILE

MADE BY CHARLES BRUNING COMPANY, INC.

CHARLES BRUNING COMPANY INC

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
	S0475(2)	13	145

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
11A	265+00	R.R. SPIKE IN POWER POLE 513' LT.	948.61
11B	278+08	R.R. SPIKE IN TEL. POLE 18' RT.	944.09

C.T.H. "F"

P.O.T. 20+50.20 S.R.
P.K. NAIL
BUTTON
48.40'
20
21
S.R.
48.82'
51.30'
BUTTON
BUTTON

P.I. 23+17.72
Δ 214°-06'-20"

CURVE DATA S.R.
P.I. = 23+17.72
Δ = 34°-06'-20"
I = 214°-06'-20"
R = 300.00'
T = 92.01'
L = 178.58'

P.I. 275+00.05 ℄
Δ = 25°-53'-40"
L = 205 <-53'-40"

18"x28' CMCP

EQUATION 265+46.61 BK. = 266+63.94 AHD.

P.C. 22+25.71
P.T. 24+04.29

P.L.
NOT RE
℄
℄ C.T.H. "F"
℄
P.L.

P.O.T. 1396.69' NO. OF P.I.

P.T. 263+34.22 ℄

R/W
R/W

P.C. 272+36.60 ℄
25+17.46 S.R.

TREES
BRUSH
ORCHARD
P.L. 1/4 LINE

P.T. 277+54.49 ℄

18"x24' CMCP

H.
SEPTIC VENT
H.
SEPTIC VENT

CURVE DATA
P.I. = 275+00.05
Δ = 25°-53'-40"
T = 263.45'
L = 517.89'
D = 5°-00'
S.E. = 0.06'/FT.
T.R. = 150'

P.K. NAIL
BUTTON
49.20'
TAN.
TAN.
17.45'
60.17'
BUTTON
BUTTON 18" APPLE

END PROJECT S0475(2)
STA. 281+00

P.I. 275+00.05 ℄

YARDAGE SUMMARY
STA. 247+02 TO STA. 281+00
UNCL. EXC. = 56,489 C.Y.
FILL = 47,236 C.Y.
SHRINKAGE = ± 20 %

EXISTING ℄
FINISHED ℄
0.0 %
EXISTING C.T.H. "F"
C.T.H. "F"

EXISTING ROAD
FINISHED ℄
V.C. = 800'
0.383 %
+1.0 %
P.I. 272+50
950.00
P.I. 281+00
950.20
P.I. 278+50
947.70
V.C. = 700'
EXISTING ℄ C.T.H. "F"
+0.477 %
P.R.C. 276+00
948.66

STA. 263+00 CMCP
1-30" X 54' C.P. CL III REQD.
INL. 942.0
DISCH. 941.5

EQUATION 266+46.61 BK. = 266+63.94 AHD.
82.87'
P.C. 269+00
948.33

STA. 278+00 CMCP
1-30" X 74' C.P. CL. III REQD.
INL. 942.90
DISCH 941.30

FINISHED ℄

960
950
940
950
940
950.2
950.2
950.2

94173 94221 94269 94316 94364 94412 94460 94507 94555 94603 94650 94698 94738 94785 94833 94875 94903 94921 94926 94918 94898 94866 94842 94844 94875 94934 95020 95120

255 6 7 8 9 260 1 2 3 4 265 6 7 8 9 270 1 2 3 4 275 6 7 8 9 280 1 2 3 4 285 6 7

DESIGNED	E.E. SCHULTZ	11-64	
DRAWN	M. LENNROOT	2-65	
TRACED			
QUANTITIES CHECKED			
ALIGNMENT CHECKED			
R/W PLAT CHECKED			
NO. L. L.			

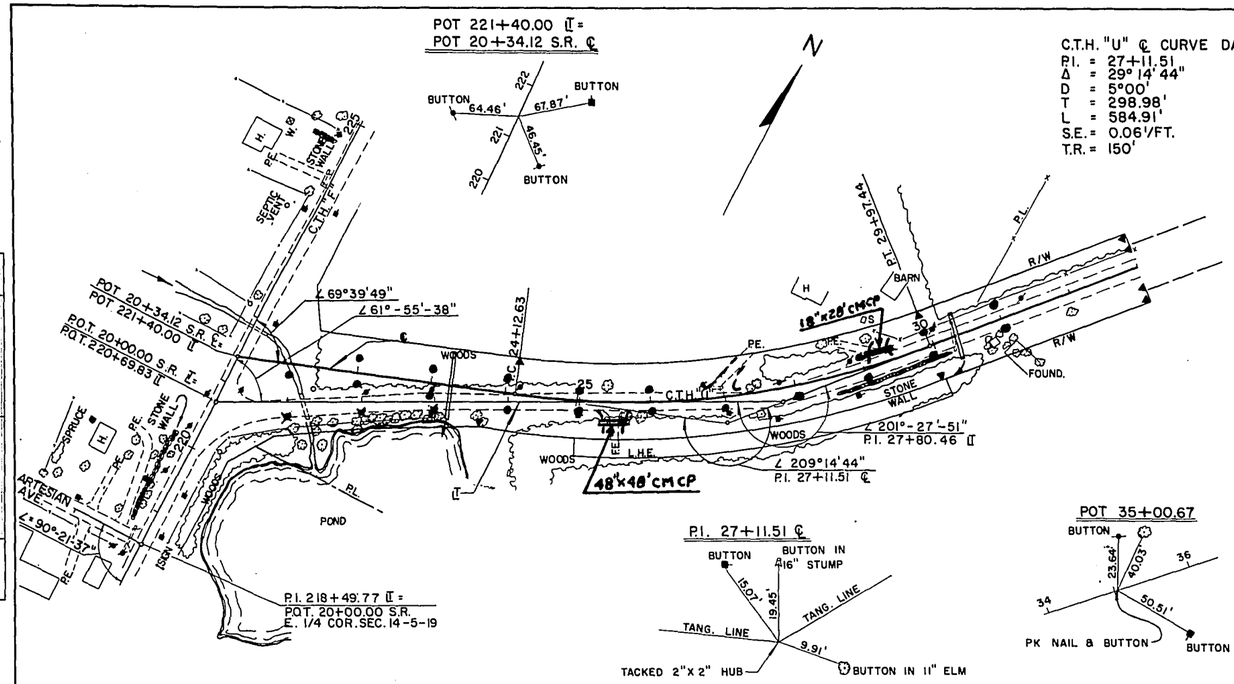
L.M.R.	P.H. LEU	1-63	
DESIGNED	R. MURPHY	10-64	
DRAWN		1-65	
TRACED			
CHECKED			
STRUCTURE QUANTITIES CHECKED			
B. M.'s NOTED			
NO. L. L.			

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

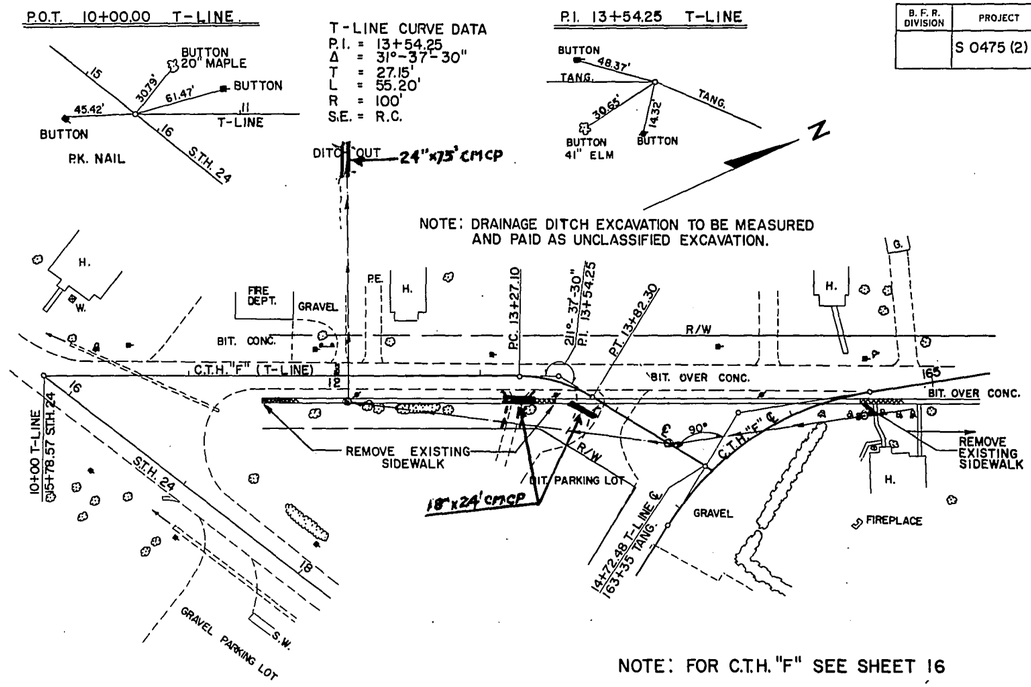
BRUNING NO. 42 151

B. F. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
	S 0475 (2)	14	145

NOTE BOOK | ALIGNMENT CHECKED | RT. OF WAY CHECKED | NO. L.L.
1-65 | 2-65
E. SCHULTZ | M. LENHOUT



NOTE: FOR C.T.H. "F" SEE SHEET 11

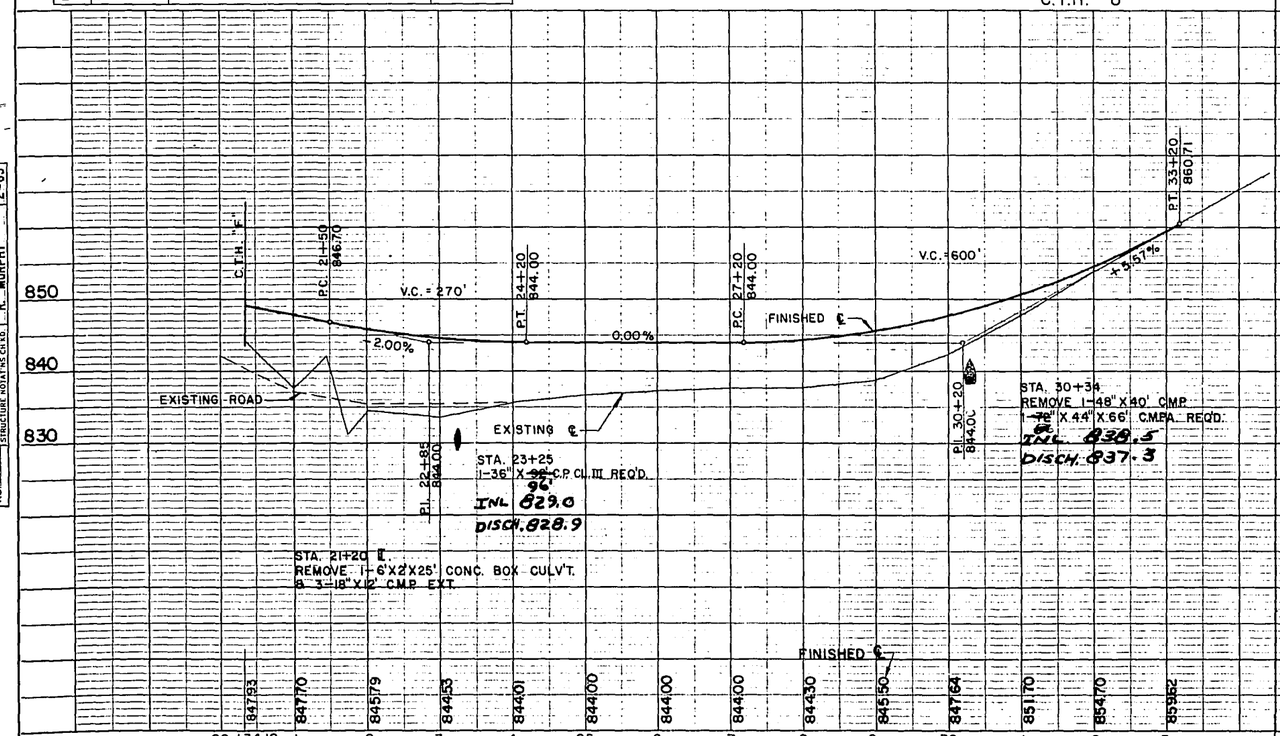


NOTE: FOR C.T.H. "F" SEE SHEET 16

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
24	22"U"+65 ℄	R.R. SPIKE IN 10" LOCUST 15' RT.	835.50

NOTE BOOK | GRADES CHECKED | B. MS NOTED | STRUCTURE NOTATNS CH'KD. | NO. L.L.
R. MURPHY | D. PINE | R. MURPHY
1-65 | 2-65 | 2-65



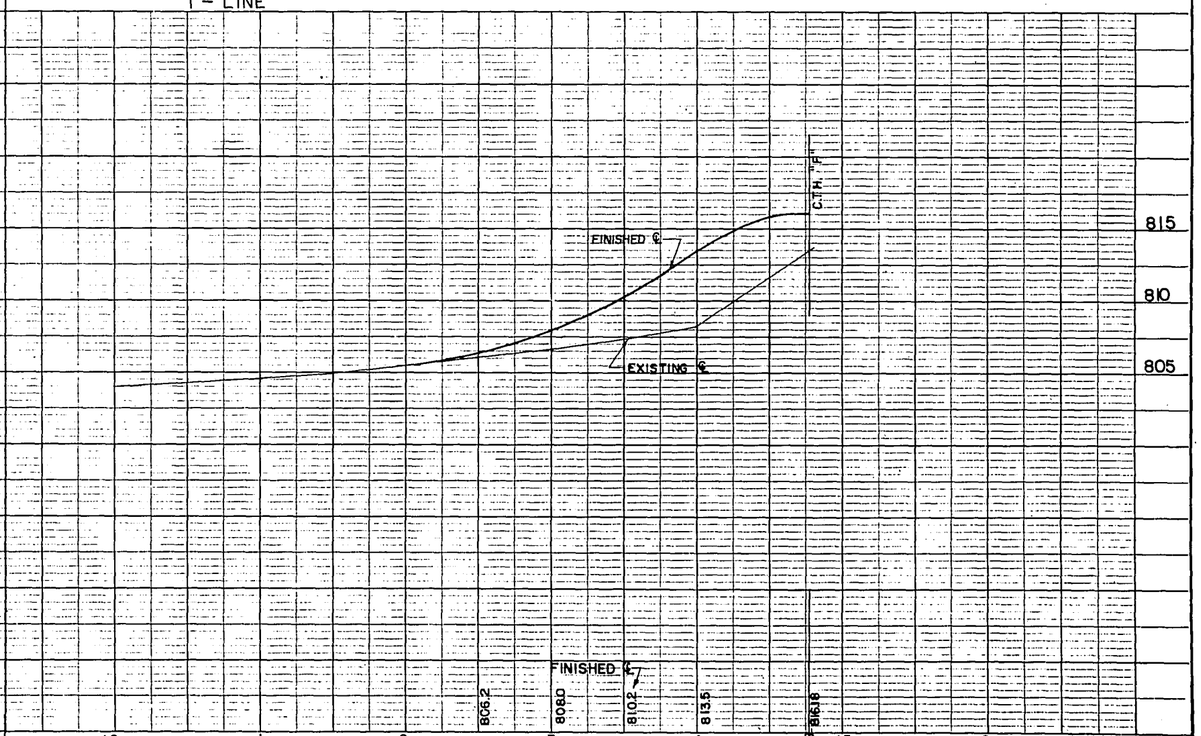


PLATE 1 — PLAN — PROFILE O. P. R. & R. E.
MADE AND PRINTED IN U.S.A.
CHARLES BRUNING COMPANY INC

BRUNING NO. 42-181

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
	S 0475 (2)	15	145

LEGEND

4" CONCRETE SIDEWALK 4' WIDTH

7" CONCRETE DRIVEWAYS

POND
DAM
TREES
WOODS
MILL POND
HOUSE
GAR.
WELL
GRAVEL
R/W
P.E.
CONC. WALL
CONC. WALK
STONE WALL
SIGN
℄ C.T.H. "F"
95°-21'-37"
SLOPE PAVING
L.H.E.
WOODS
DAM
ORCHARD AVE. BIT. CONC.
SLOPE FLANGE OF C&G WITH PAVT IN THIS RADIUS
20'R
P.O.T. STA. 156+27.78 = P.O.T. STA. 20+00.00 S.R.
GRAVEL PARKING LOT
FLAG POLE
CONC. WALK
POST OFFICE
BITUMINOUS
STONE WALL
HOUSE
CONC. WALK

BUTTON 12" ELM — 39.41' — 140° — BUTTON
155 — ℄ — 157
P.K. NAIL
S.R. 21
BUTTON

P.O.T. STA. 156+27.78 ℄

BUTTON 16" ELM — 19.29' — 23
35.17' — 74.62'
BUTTON — S.R. 24 — BUTTON

P.O.T. STA. 23+41.71 S.R.

MANHOLES — INLETS — STORM SEWERS

LOCATION		TYPE	GRATE	PIPE	INLET	DISCH.	PIPE
156+49	RT.	3H INL.	801.00	~~18"x42'~~ R.C.P. CL. III	797.60	797.20	12"x41.8'
156+71	RT.	3H INL.	801.40	~~18"x36'~~ R.C.P. CL. III	797.90	797.65	12"x29.8'
156+80	RT.	1A INL.	801.85	~~8"x6'~~ S.S.N.C.P.	798.35	798.20	8"x4.8'

EXISTING ℄
FINISHED ℄
ORCHARD AVE
LEFT TOP OF CURB
FINISHED ℄
LEFT GUTTER
RIGHT TOP OF CURB
EXISTING ℄
RIGHT GUTTER
FINISHED ℄
END R
BEG. R.+7.05
INL. +80
INL.
P.C.
P.T.
799.75
803.44
806.60
810.78

154 155 156 +50 - 801.24 157 158
20 21 22

PLATE 1 — PLAN — PROFILE O. P. R. R. R. C.
MADE AND PRINTED IN U.S.A.
CHARLEY PRINTING COMPANY, INC.

BRUNING NO 42-161

11-64 2-65 — M. MURPHY D. PIKE — STATE HIGHWAY ALIGNMENT CHECKED NO. L.L. RT. OF WAY CHECKED.

6-64 10-64 2-65 — D. FINK P. LEU E. SCHULTZ — NO. L.L. HIGHWAYS LAYLAID B. M.'s NOTED STRUCTURE NOTATIONS CHECKED

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
	S0475 (2)	16	145

NOTE: FOR T-LINE SEE SHEET 14

℄ CURVE DATA
P.I. = 163+78.20
Δ = 49°05'27"
R. = 200'
T. = 91.34'
L. = 171.36'
P.C. = 162+86.86
P.T. = 164+58.22

HOUSE
CONC. WALK
FUNERAL HOME
CONC. WALK
STATION
PUMP ISLAND
EXISTING 15" C.S.P.
LIGHT POST
R/W
BIT. CONC. PAVT.
SIGN
20'R
S.T.H. 24
44'
+53
BANK
SEPTIC M.H.
WELL
BIT. CONC. PARKING LOT
CONC. WALK
20'R
R/W
GRAVEL
CONC.
CONC.
16.97
17.69
17.95
18.16
44'
162
163
+35
+80
+72.48
15.81
℄
18.03
T-LINE
4' WALK BIT OVER CONC.
EXIST. C.T.H. "F" (BIT. OVER CONC.)
25'R
15'R
26
+35
15.30
158
℄ C.T.H. "F"
BIT. CONC.
159
160
161
+03.62
+00
170°-34'-58"
93°11'-46"
O M.H. TEL.
10.56
14.31
16.72
18.07
18.50
18.26
44'
GRAVEL
GRAVEL
6" CURB
SIGN
FLOOD LIGHT
R/W
BIT. CONC. PAVT.
20'R
44'
+39.5
+05
+35
SIGN
1" IRON PIPE
CONC. WALK
+95
+10
+45
GRAVEL PARKING LOT
HOUSE
WELL
GRAVEL
FLOOD LIGHTS
FILL PIPE
HEATING CO.
STATION
CONC.
PUMP ISLANDS
C.B.
EXIST. 12" C.S.P.
C.B.
BIT. CONC. OVER CONC
16.75
SEPTIC SYSTEM
15.53
164
14.77
18.91
17.59
17.91
18.16
+46
CONC.
SEPTIC TANK MANHOLE
+80
R/W
BIT. CONC. PARKING LOT
20'R
SIGN
200'R
GAS TANK
200'R
TREES
BUSHES
BUTTON
BUTTON
OIL FILE PIPE
200'R
SEWER PIPE INLET
WELL
CONC.
TANG.
94.66'
82.65'
TANG.
190.2'
TANG.
WELL
HOUSE
BIG BEND SUPERMARKET
PLANTER
NOTE: SEPTIC SYSTEM TO BE REMOVED BY OTHERS.
P.I. STA. 163+78.20 ℄

LEFT TOP OF CURB
LEFT GUTTER
EXISTING ℄
FINISHED ℄
RIGHT TOP OF CURB
RIGHT GUTTER
-0.40%
-0.50%
STA. 24
PC 10.22
PT 18.06
BEG. R. 17.86
INL. 17.79
END 18.03
BEG. R. 17.80
END 18.03
PC 17.40
P.C. 15.75
BEG. R. 15.37
END 15.08
P.C. 17.94
BEG. R. 17.76
END 17.49
BEG. R. 17.86
END 17.43
P.C. 17.94
BEG. R. 15.62
END 15.08
811
810
814.53
816.94
818.29
818.72
818.48
818.38
818.15
817.86
817.08
815.89
815.12
158
159
160
161
162
163
164

MANHOLES — INLETS — STORM SEWERS

LOCATION	TYPE	GRATE	PIPE	INLET	DISCH.	RIPRAP
160+63 RT.	1A INL.	817.79	~~8"X14"~~ S.S.N.C.P.	814.30	814.10	
160+80 16' RT.	1J MH	OVER EXISTING 15" C.S.P.				
163+01 LT.	1A INL.	816.62	~~8"X30"~~ S.S.N.C.P.	813.10	812.00	
14+41 T-LINE ℄	1J MH	815.6	~~24"X220"~~ R.C.P. CL. III	803.00	798.00	
164+50 LT.	1A INL.	814.49	~~8"X34"~~ S.S.N.C.P.	811.00	810.60	
164+50 RT.	1A INL.	814.09	~~8"X8"~~ S.S.N.C.P.	810.50	810.30	
164+50 16' RT.	1J MH	814.4	~~24"X130"~~ R.C.P. CL. III	807.35	805.00	
12+10 T-LINE 18' RT.	1E MH	804.0	~~36"X168"~~ R.C.P. CL. III	798.00	ESTABLISH IN FIELD	I.0 C.Y.

PIPE
8"X19.1'
8"X34.1'
24"X220.2'
8"X33.5'
8"X16'
24"X131.1'
24"X167.9'

NOTE BOOK PLOTTED R. MURPHY 11-64
NO. L.L. GRADES CHECKED D. PIKE 2-65
B. M.'s NOTED RT. OF WAY CHECKED
STRUCTURE BOUNDING CHKED
DRAWN D. PIKE 2-65
TRACED E. SCHULTZ 2-65

BRUNING NO 42-161

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

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
	S 0475 (2)	17	145

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
16	168+44	R.R. SPIKE IN POWER POLE 18' RT.	818.23

REMOVE EXISTING SIDEWALK

HOUSE

GRAVEL

CONC.

HYD.

R/W

℄ C.T.H. "F"

165+5633 ℄ E 1/4 COR. 23-5-19

178°-34'-08" ℄

℄ 89°-59'-25"

BIT. CONC. OVER CONC.

BIT. OVER CONC.

BLOCK WALL

OIL FILL PIPES

WELL

FIREPLACE

SIGN

CHURCH

ROSE AVE. BIT. CONC.

20'R

EQUATION:
P.I. = 168+24.59 ℄ BK. =
P.O.T. = 168+20.23 ℄ A.H.D. =
P.O.T. = 20+00.00

P.K. NAIL

18.24'

40.42'

42.29'

BUTTON 25" ELM

E 1/4 COR. 23-5-19

BUTTON

39.96'

29.14'

29.45'

S.R.

P.O.T. STA. 168+20.23 ℄

25

23.96'

JACKSON PARKWAY

P.K. NAIL

21.95'

25.50'

BUTTON 10" POPLAR

P.O.T. STA. 25+16.54 S.R.

MANHOLES — INLETS — STORM SEWERS

LOCATION		TYPE	GRATE	PIPE	INLET	DISCH.
167+10	LT.	IA INL.	815.48	~~8"x34'~~ S.S.N.C.P.	812.00	811.60
167+10	RT.	IA INL.	815.70	~~8"x6'~~ S.S.N.C.P.	812.20	812.00
167+10	16' RT.	IJ MH	816.0	~~18"x265'~~ R.C.P. CL. III	809.45	807.85
168+08	RT.	IA INL.	816.60	~~8"x32'~~ S.S.N.C.P.	813.10	812.80
168+30	16' RT.	IJ MH	817.2	~~18"x140'~~ R.C.P. CL. III	810.45	809.45
168+38	RT.	IA INL.	816.60	~~18"x36'~~ R.C.P. CL. III	812.40	812.10
168+59	RT.	IA INL.	817.60	~~8"x25'~~ S.S.N.C.P.	814.10	813.20

PIPE
8" x 33.3
8" x 1.6'
18" x 255.4'
8" x 31.1'
18" x 120.6'
12" x 24.6'
8" x 26.0'

+0.38%

+1.17%

LEFT TOP OF CURB

LEFT GUTTER

RIGHT TOP OF CURB

RIGHT GUTTER

EXISTING ℄

FINISHED ℄

P.C. 15.43

INL. +10 15.48

P.R.C. 15.80

INL. +10 15.70

BEG. R. 16.11

END R. 17.10

INL. 17.22

BEG. R. +58 18.10

P.R.C. 18.85

INL. 18.85

EQUATION
168+24.59 ℄ BK. =
168+20.23 ℄ AHD.

104.36

164 165 166 167 168 169 170

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

BRUNING NO 42-161

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
	S 0475 (2)	18	145

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
17	174+33	R.R. SPIKE IN 22" ELM 66' RT	824.63

NOTE BOOK | ALIGNMENT CHECKED | R. MURPHY | 11-64
NO. L.L. | RT. OF WAY CHECKED | D. PIKE | 2-65

HOUSE HOUSE HOUSE APT. BLDG. HOUSE

GRAVEL BIT. GRAVEL GRAVEL CONC. R/W CONC. GRAVEL GRAVEL CONC. ⊠WELL N GRAVEL

20.29 20.45 20.37 20.16 20.08 20.29 20.50 20.72 20.96 21.27 21.78 22.28 22.77

170 ℄ C.T.H. "F" 171 172 173 174 175 176

BLK. OVER CONC. 90°-12'-23"

20.83 20.89 20.65 20.44 20.30 20.48 20.71 20.97 21.34 21.74 22.18 22.62 23.06

BLOCK WALL BIT. CONC. OVER CONC. 44' 20'R. 20'R. R/W R/W

21.50 22.00 +42 36 +80 -21

CONC. HOUSE GRAVEL CONC. BIT. HOUSE GAR. 208 CONC. GRAVEL GRAVEL CONC. HOUSE

BUTTON IN GUY POLE BUTTON 29.53' 28.24' 173 175 24.12' S.R. CONC. NAIL BUTTON

P.O.T. STA. 174+16.53 ℄

P.O.T. STA 174+16.53 = P.O.T. STA. 20+00.00 S.R.

MAPLE AVE. BIT. CONC. CONC. CHURCH

23 24.75' 1" I.P. BUTTON 16" ELM 16.96' 23.52' S.R. R.R. NAIL GRAVEL

P.O.T. STA. 23+96.07 S.R.

MANHOLES — INLETS — STORM SEWERS

LOCATION		TYPE		GRATE	PIPE	INLET	DISCH.
171+80	LT.	1A	INL.	819.55	~~8"X 30'~~ S.S.N.C.P	816.00	815.60
172+00	RT.	1A	INL.	819.90	~~8"X 2'~~ S.S.N.C.P	816.40	816.20
172+00	16' RT.	1J	MH	820.2	~~18"X 365'~~ R.C.P. CL. III	813.45	810.45
173+99	RT.	1A	INL.	821.50	~~8"X 32'~~ S.S.N.C.P	818.00	817.70
174+27	16' RT.	1J	MH	821.5	~~15"X 220'~~ R.C.P. CL. III	815.50	813.70
174+34	RT.	1A	INL.	821.50	~~18"X 90'~~ R.C.P. CL. III	817.40	817.20
174+55	RT.	1A	INL.	821.52	~~8"X 26'~~ S.S.N.C.P	818.00	817.70
174+55	LT.	1A	INL.	820.78	~~8"X 45'~~ S.S.N.C.P	817.30	816.90

PIPE
8"x 37.7'
8"x 1.6'
18"x 363.2'
8"x 32'
15"x 222.4'
12"x 25.8'
8"x 25.5'
8"x 43.4'

NOTE BOOK | GRADES CHECKED | D. PIKE | 2-65
B. M.'s NOTED | P. LEU | 10-64
STRUCTURE NOTATNS CK'D. | E. SCHULTZ | 2-65

821 820

20.20 (18.70 PT. H10 19.75) PT. +30 20.30 20.30 19.83 20.30 19.91 20.30 P. ℄ +70 19.95 20.30 19.87 20.30 20.30 INL. PI. +80 19.55 20.30 19.63 20.30 20.30 19.85 20.30 19.87 20.30 20.39 20.03 LEFT TOP OF CURB 20.55 20.23 LEFT GUTTER 20.85 20.43 PC +30 20.35 21.22 19.28 INL. +55 20.78 PT. 21.25 +00 21.75 22.26 21.76 22.77 22.27

+000% -0.40% +0.40% +1.02%

EXISTING ℄ FINISHED ℄

821 820

21.11 PC +50 21.13 20.84 19.90 20.86 20.64 20.70 20.88 21.16 +62 21.23 +85 21.39 END R. 22.00 INL. 21.50 END R. 22.00 INL. 21.50 BEG. R. +545 22.02 INL. 21.52 22.41 21.91 22.84 23.26 22.76

RIGHT TOP OF CURB RIGHT GUTTER +0.85%

-0.45% +0.48%

20.84 20.89 PC +90 20.40 20.35 20.73 INL. PI. +00 19.90 20.38 PC +00 20.38 20.82 20.06 PT. 20.61 BEG. R. 20.89 20.14 20.70 20.13 20.52 20.41 20.61 20.06 21.37 22.34 22.67 23.14

FINISHED ℄

820.78 820.89 820.82 820.06 821.37 821.73 822.20 822.67 823.14

823 822 824 823 824 823

170 171 172 173 174 175 176

BRUNING NO. 42-161

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

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
18	179+00	R.R. SPIKE IN POWER POLE 19'LT.	826.12

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
	S 0475(2)	19	145

N

HOUSE HOUSE HOUSE SHOP HOUSE GRAVEL

GRAVEL BIT. CONC. GRAVEL CONC. BRICK GRAVEL R/W GATE POST GATE POST

+07 +23 +26 +26 +16 +18

22.77 23.26 23.76 24.25 24.71 24.98 25.07 24.91 24.60 24.14 23.85 23.88 24.23

176 ℄ C.T.H. "F" 177 178 179 180 182

BLK. OVER CONC. 90°-34'-39" 44'

23.06 23.50 23.94 24.39 24.78 25.05 +20 25.00 25.08 24.91 24.60 24.18 24.00 24.10 24.49

BIT. OVER CONC. R/W CONC. 20'R 20'R CONC. CONC. STONE WALL R/W CONC. SLAB REMOVE EXISTING SIDEWALK

+84 +04 +19 +31 +10 +25 +42 36' +48 +72 +17 +29 +24 +44

GRAVEL GRAVEL RE. CONC. HOUSE HOUSE BIT. CONC. RAMONA AVE. HOUSE BLACKSMITH SHOP REMOVE EXISTING SIDEWALK GRAVEL HOUSE

BUTTON 21.07' 23 25.00' ℄ I.P. P.K. NAIL S.R. 39.21' 24 BUTTON

178 179 ℄ 30.63' 36.39' 37.78' S.R. P.K. NAIL BUTTON BUTTON

P.O.T. STA. 178+75.75 ℄ P.O.T. STA. 23+46.13 S.R.

MANHOLES — INLETS — STORM SEWERS

LOCATION	TYPE	GRATE	PIPE	INLET	DISCH.	RIPRAP
180+~~92~~ LT.	3H INL.	823.20	~~24"x16'~~ R.C.P. CL. III	818.20	818.10	1.0 CY.
181+13 16' RT.	1J MH	823.9	~~24"x86'~~ R.C.P. CL. III	818.45	818.25	
181+14 RT.	1A INL.	823.55	~~18"x2'~~ R.C.P. CL. III	818.80	818.70	
~~181+14 RT.~~	~~STUB INTO INL.~~		~~18"x24' C.P. CL. III~~	~~819.0~~	~~818.90~~	~~1.0 CY.~~

PIPE
24"x13.4'
24"x39.7'
18"x 1.4"

+1.02% +0.85%

P.C. 24.00 P.C. 24.28 BEG. R. END 24.60 END 24.60 BEG. R. P.C. 24.08 LEFT TOP OF CURB LEFT GUTTER RIGHT TOP OF CURB RIGHT GUTTER P.T. +40 23.82 P.R.C. +40 24.32 INL. P.I. +03 23.20 P.C. +50 23.41 P.T. +50 23.80 INL. P.I. +14 23.55 P.C. +50 23.77 P.R.C. +30 24.62 P.R.C. 24.12 P.R.C. +30 25.02 P.R.C. 24.52

FINISHED ℄ EXISTING ℄ FINISHED ℄

823 822 825 824

825.14 823.60 824.07 824.54 824.97 825.24 825.30 825.13 824.82 824.38 824.14 824.21 824.58

176 177 178 179 180 181 182

PLATE 1—PLAN—PROFILE O. F. R. R. E.

BRUNING NO. 62161

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

NO. L.L. | BY M. NOLTE STRUCTURE NO. 24.13 | P. LEU E. SCHULTZ | 10-64 2-65 | "O. PIKE" 11-57 2-65

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
	S0475(2)	20	145

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
19	182+58	R.R. SPIKE IN 8" ELM 18' LT.	826.78

NOTE BOOK	PLOTTED	M. A. HUMPHREY	8-64
NO. LL	GRADES CHECKED	R. E. LEU	10-64
	R/W & EASE. NOTED	D. PIKE	12-65
	R/W OF WAY CHECKED		
	STRUCTURE NOTATNS CH'KD	E. SCHULTZ	2-65

SHED
P.E. GRAVEL
UNFINISHED BASEMENT
HOUSE
PORCH
APT. BLDG.
N
W.
P.E. GRAVEL
HOUSE
R/W
STA 182
GATE POST
P.E. GRAVEL
24.23 24.88 25.48 25.90 26.15 26.26 26.19 26.06 26.14 26.39 26.64 26.89 27.14
182 ℄ C.T.H. "F" 183 184 185 186 187 188
90°-03'-32"
BLK. OVER CONC.
44'
24.49 25.12 25.72 26.14 26.39 26.50 26.43 26.30 26.38 26.63 26.88 27.13 27.38
+20
26.45
℄P.
BLK. OVER CONC.
R/W
PORCH
20'R.
20'R.
26.85
36'
+42
R/W
+36
+48
GRAVEL
P.E.
HIGH LINE TOWER
CONC.
HOUSE
+60
PARK AVE.
BIT. CONC.
21
P.O.T. STA. 184+32.17 = P.O.T. STA. 20+00.00 S.R.
HOUSE
HOUSE
HOUSE
HOUSE
W
CONC. NAIL
183
℄
185
49.07'
34.66'
S.R.
24.90'
P.O.T. STA. 184+32.17 ℄
23
BUTTON
16.92'
24.75'
4"x4" CONC. MONUMENT
P.K. NAIL
24
S.R.
46.44'
BUTTON
P.O.T. STA. 23+72.01 S.R.

NOTE BOOK	PLOTTED	M. BURTIS	12-65
NO. LL	GRADES CHECKED	R. E. LEU	10-64
	R/W & EASE. NOTED		2-65
	STRUCTURE NOTATNS CH'KD	E. SCHULTZ	

24.25 23.76 +30 24.82 P.R.C. 24.12 24.90 24.50 25.00 25.50 25.98 26.17 26.28 26.78 +10 P.R.C. 26.19 26.21 26.69 P.T. 25.67 P.I. +50 25.41 26.08 LEFT TOP OF CURB P.T.+00 26.16 LEFT GUTTER 26.41 26.66 26.16 +0.50% 26.91 27.16
EXISTING ℄
FINISHED ℄
24.65 24.15 +30 25.02 P.R.C. 24.52 25.30 24.80 25.40 25.90 26.32 +94 26.35 BEG. R. 26.05 INL. 26.32 END R. 26.85 INL. 26.35 END R. 26.85 +70 26.68 BEG. R. 26.18 +10 P.R.C. 26.59 26.61 P.T. 26.09 P.I. INL. +50 25.81 26.48 RIGHT TOP OF CURB +00 P.T. 26.56 RIGHT GUTTER 26.81 26.31 27.06 +0.50% 27.31 27.56
FINISHED ℄
824.58 825.22 825.82 826.24 826.49 826.60 826.53 826.40 826.48 826.73 826.98 827.23 827.48
182 183 184 185 186 187 188

MANHOLES — INLETS — STORM SEWERS

LOCATION		TYPE		GRATE	PIPE	INLET	DISCH.	PIPE
184+15	RT.	1A	INL.	826.35	~~6"x 36"~~ S.S.N.C.P.	822.85	822.55	8"x 31.7'
184+42	16' RT.	1J	MH	826.5	~~18"x 384"~~ R.C.P CL. III	819.75	818.45	18"x 319.7'
184+50	RT.	1A	INL.	826.35	~~12"x 23'~~ R.C.P CL. III	822.20	821.90	12"x 24.7'
185+50	LT.	1A	INL.	825.41	~~6"x 34'~~ S.S.N.C.P.	822.10	821.70	8"x 34.0'
185+50	RT.	1A	INL.	825.81	~~6"x 3'~~ S.S.N.C.P.	822.50	822.30	8"x 1.7'
185+50	16' RT.	1J	MH	826.2	~~15"x 103'~~ R.C.P CL. III	820.25	819.75	15"x 103.5'

BRUNING NO 47151

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

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
	S 0475 (2)	21	145

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
20	194+00	BLUE ■ S.W. COR. CONC. PORCH TEL. CO. 100' RT.	832.03

HOUSE · WELL · RESTAURANT · BLDG. · SCHOOL

GRAVEL PARKING LOT · SIGN · R/W · P.E. · 4' BIT. CONC. WALK

P.I. STA. 192+01.68 = P.I. STA. 20+00 ℄ S.R.

P.E. GRAVEL · FLAG POLE

27.14 27.39 27.64 27.89 28.14 28.39 28.66 28.98 29.47 29.72 30.97 30.17 30.25

188 ℄ C.T.H. "F" 189 190 191 SEC. LINE 193 194

90°-03'-24" · 90°-08'-03" · 89°-00'-12"

27.38 27.63 27.88 28.13 28.38 28.63 28.89 29.16 29.47 29.72 BLK. OVER CONC. 30.97 BIT. 30.17 30.25

44' · BLK. OVER CONC. · TEL. M.H. · TEL. M.H.

GRAVEL · GRAVEL · GRAVEL · R/W

P.O.T. STA. 191+98.68 = P.I. STA. 20+00 ℄ S.R.

20' R. · 20' R. · 20' R. · 20' R. · TOWN BULLETIN BOARD · SIGN.

REMOVE EXISTING SIDEWALK

EDGEWOOD AVE BIT. · 36' · 42' · SEC. · LINE BIT. CONC.

MANHOLES — INLETS — STORM SEWERS

LOCATION	TYPE	GRATE	PIPE	INLET	DISCH.	PIPE
188+72 LT.	1A INL.	827.02	~~8"x34'~~ S.S.N.C.P	823.50	823.20	8"x39.2'
188+72 RT.	1A INL.	827.42	~~8"x8'~~ S.S.N.C.P	823.90	823.70	8"x2.3'
188+72 16' RT	1J MH	827.7	~~15"x317'~~ R.C.P CL. III	821.85	820.25	15"x318.6'
191+80 LT.	STUB INTO INL.		~~12"x13'~~ C.P CL. III	828.00	827.00	12"x11.5'
191+80 LT.	1A INL.	829.35	~~12"x32'~~ R.C.P CL. III	826.80	826.50	12"x31.8'
191+81 RT.	STUB INTO INL.		~~12"x13'~~ C.P CL. III	827.50	826.50	12"x11.4'
191+81 RT.	1A INL.	829.10	~~12"x32'~~ R.C.P CL. III	826.60	826.30	12"x32.2'
192+09 16' RT.	1J MH	829.6	~~15"x336'~~ R.C.P CL. III	824.00	822.10	12"x327.0'
192+16 LT.	STUB INTO INL.		~~12"x12'~~ C.P CL. III	828.00	827.00	12"x11.5'
192+16 LT.	1A INL.	829.35	~~12"x27'~~ R.C.P CL. III	825.80	825.55	12"x27.4'
192+16 RT.	STUB INTO INL.		~~12"x12'~~ C.P CL. III	827.50	826.50	12"x11.4'
192+16 RT.	1A INL.	829.10	~~12"x33'~~ R.C.P CL. III	826.30	826.00	12"x32.0'
192+37 LT.	1A INL.	829.24	~~12"x44'~~ R.C.P CL. III	825.55	825.20	12"x42.7'
192+37 RT.	1A INL.	829.24	~~8"x28'~~ S.S.N.C.P	826.20	826.00	8"x 31.8

PK. NAIL · 191 ℄ · 19 · 193 · BUTTON GUY POLE · 29.12' · 79.39' · 44.18' · BUTTON · S.R. 21 · BUTTON 12" OAK

N.E. COR. 23-5-19
P.I. STA. 192+01.68 ℄

BUTTON · 23.41' · 13 · 15.53' · 32.72' · S.R. 14 · BUTTON 12" BASS

P.O.T. STA. 13+27.39 S.R. ℄

BUTTON · 25.78' · 27 · 68.04' · 65.99' · S.R. 26 · BUTTON 20" OAK · BUTTON

P.O.T. STA. 26+13.37 S.R. ℄

NOTE: PLAN & PROFILE CONTINUED ON SHEET NO. 11

830 · 829 · 828 · 827 · 831

+0.50% · +0.50%

LEFT TOP OF CURB · LEFT GUTTER · RIGHT TOP OF CURB · RIGHT GUTTER

FINISHED ℄ · EXISTING ℄ · EXISTING ℄ · FINISHED ℄ · FINISHED ℄

P.C. · BEG. R. · END R. · INL. · INL. +72 · +90 · +60 · +36 · +00 · +605 · +365

C.T.H. "F"

EDGEWOOD AVE

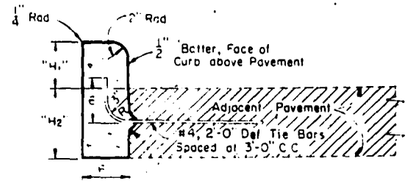
STA. 20+55
REMOVE 1-15" X 36' CMP

188 189 190 191 192 193 194

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

BRUNING NO 42 161

11-64 2-65 · P. LEU · E. SCHULTZ · 10-64 2-65 · D. PIKE · NO. L.L. · ALIGNMENT CHECKED · R/W CHECKED · STRUCTURE NO. 23 5 19 · STRUCTURE NO. 23 5 20

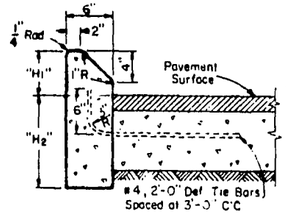


Tie Bar recess positioned in reverse when Concrete Curb is constructed first

"H1" : 9" max and 3 1/2" min. and shall be 6" unless otherwise shown on the plans
"H2" - Same as adjacent pavement thickness for rigid pavement
"H2" : 12" For other than rigid pavement (Tie Bars Omitted)

TYPE "A" (Including Tie Bars) TYPE "D" (Excluding Tie Bars)

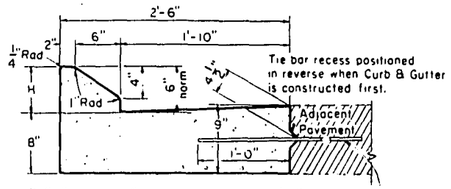
CONCRETE CURB



"H1" = 9" Max and 4" min and shall be 6" unless otherwise shown on plans
"H2" : Same as adjacent pavement thickness for rigid pavement and 12" for other than rigid pavement (Tie Bars Omitted)

TYPE "G" (Including Tie Bars) TYPE "J" (Excluding Tie Bars)

CONCRETE CURB
(Mountable Type)

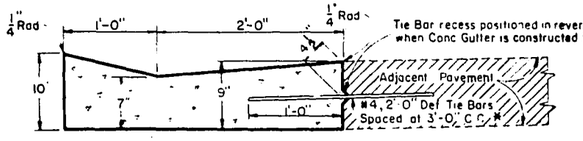


"H" 9" max and 4" min & shall be 6" unless otherwise shown on the plans.

#4, 2'-0" Def Tie Bars or alternate Bolt Type instal. may be used, spaced at 3'-0" C:C

TYPE "G" (Including Tie Bars) TYPE "J" (Excluding Tie Bars)

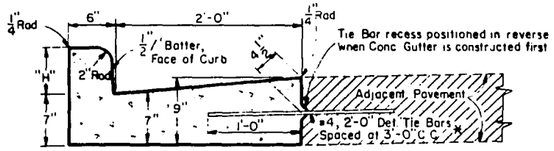
CONCRETE CURB AND GUTTER
(Mountable Type)



* Alternate Tie Bars or Bolt Type installations may be used as shown for Longitudinal Joints.

TYPE "A" (Including Tie Bars) TYPE "D" (Excluding Tie Bars)

CONCRETE GUTTER

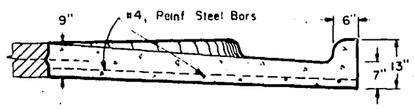


"H" = 9" Max., 3 1/2" Min, and shall be 6" unless otherwise shown on the plans

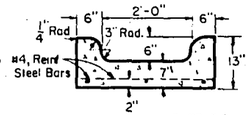
* Alternate Tie Bars or Bolt Type installations may be used as shown for Longitudinal Joints

TYPE "A" (Including Tie Bars) TYPE "D" (Excluding Tie Bars)

CONCRETE CURB AND GUTTER
(Barrier Type)



SECTION "A"-"A"



SECTION "B"-"B"

CONCRETE INLET OR DISCHARGE FOR CURB AND GUTTER SURFACE DRAIN

GENERAL NOTES

Details of construction and materials not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.

JOINTS -

Joints shall not be sealed in concrete curb, concrete gutter, concrete curb and gutter, or concrete surface drains.

CONCRETE CURB, CONCRETE GUTTER CONCRETE CURB AND GUTTER AND CONCRETE SURFACE DRAINS

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL

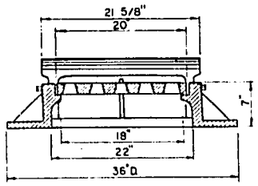
2-5-63 DATE — J. S. Pilt ENGINEER OF DESIGN

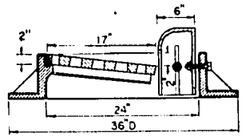
APPROVED:

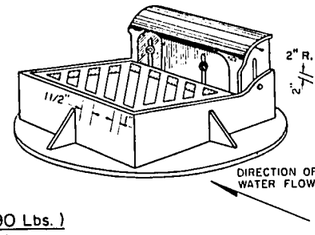
2/6/63 DATE — E. C. Ruttkuss STATE HIGHWAY ENGINEER

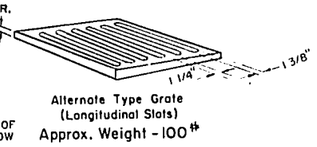
PLATE NO. 3-1.1.7

22.1 – 145





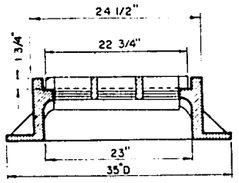


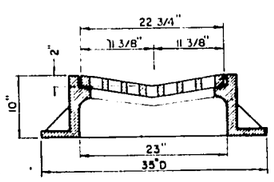


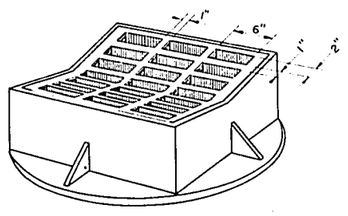
Alternate Type Grate
(Longitudinal Slots)
Approx. Weight - 100#

TYPE "A" - (Approx. Weight 390 Lbs.)

Frame Weight - 250#
Grate " - 90#
Box " - 50#

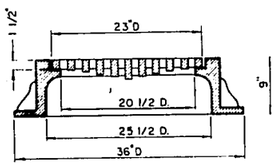


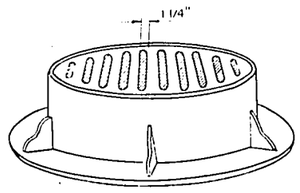




TYPE "B" - (Approx. Weight 414 Lbs.)

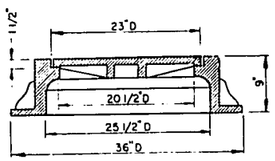
Frame Weight - 275 #
Grate " - 139#

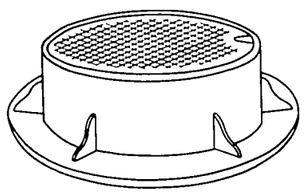




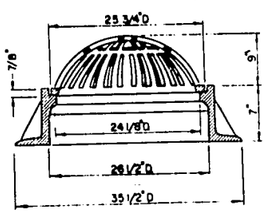
TYPE "C" - (Approx. Weight 370 Lbs.)

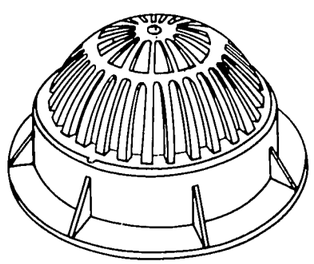
Frame Weight Type "C" & Type "D" - 255#
Slotted Grate Weight - 115 #
Solid Cover Weight - 150 #
(Note: Frame for Type "C" same as for Type "D")





TYPE "D" - (Approx. Weight 405 Lbs.)
(Note: Frame for Type "D" same as for Type "C")



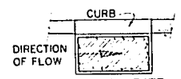


TYPE "E" - (Approx Weight 325 Lbs.)

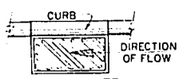
SPECIAL NOTE

Diagonal slots shall be oriented to the direction of flow as shown hereon. Hence RIGHT and LEFT grates shall be furnished depending on direction of flow. (See Sketch Below)

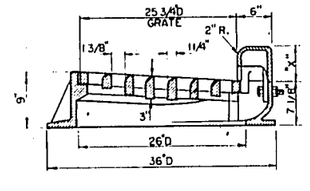
Longitudinal slot type grates may be used ONLY where bicycles are prohibited.

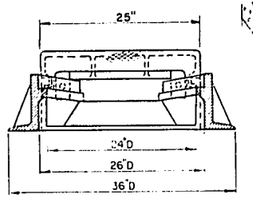


RIGHT GRATE



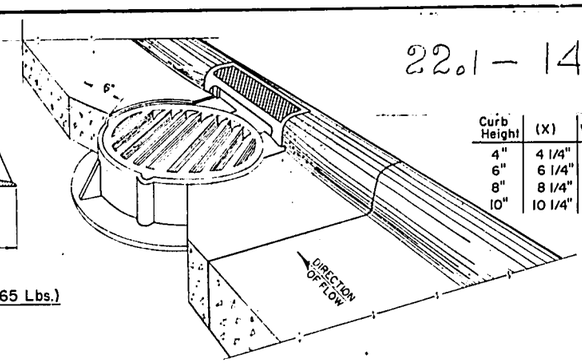
LEFT GRATE



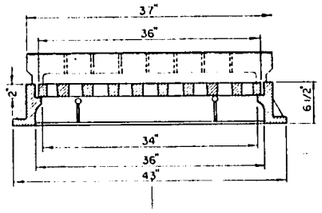


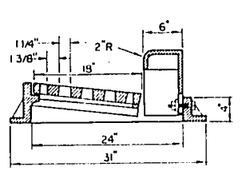
TYPE "G" - (Approx. Weight 425 - 465 Lbs.)

Frame Weight - 235 #
Grate " - 130 #
Box - . . e Table



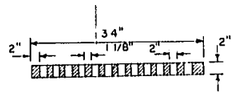
Curb Height	(X)	Weight
4"	4 1/4"	60#
6"	6 1/4"	70#
8"	8 1/4"	90#
10"	10 1/4"	100#



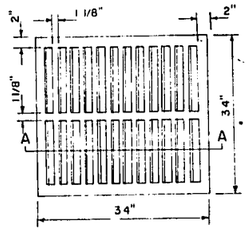


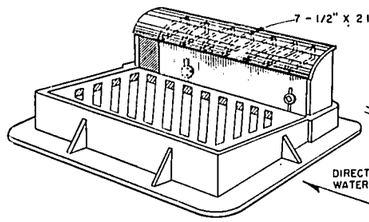
TYPE "H" - (Approx. Weight 530 Lbs.)

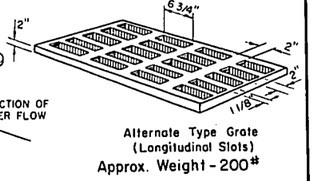
Frame Weight - 220#
Grate " - 200#
Box " - 110#



SECTION A - A



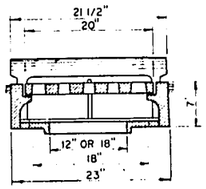


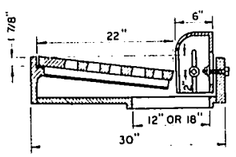


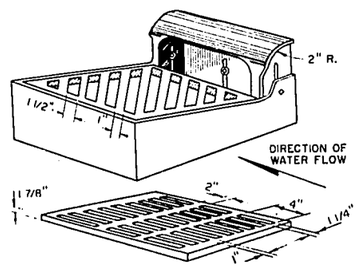
Alternate Type Grate
(Longitudinal Slots)
Approx. Weight - 200#

INLET COVER TYPE MS

GRATE WEIGHT 270#

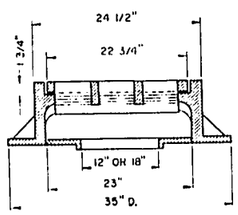


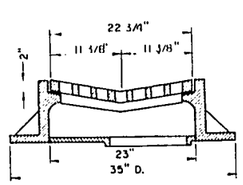


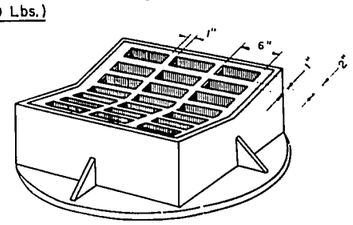


Alternate Type Grate
(Longitudinal Slots)

TYPE "R" - (Approx. Weight 450 Lbs.)







TYPE "S" - (Approx. Weight 450 Lbs.)

GENERAL NOTES:

Details of Construction, Materials and Workmanship not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.

MATERIALS —
All Iron Castings shown on this drawing shall conform to the requirements for "Class 30" of the "Standard Specifications for Gray Iron Castings, A.S.T.M. Designation A 48," and the Standard Specifications.

BEARING SURFACES —
All Catch Basin and Inlet frames and grates which are placed in vehicular traffic areas shall be "Non-Rocking" type, or shall be "Bearing Surface" seated so as to prevent any or all cover noise under traffic.

NOMENCLATURE —
All Catch Basin and Inlet units are designated on the Plans as "Catch Basins 1-A," 2-B etc., or "Inlets 1-A," 3-H etc.. This designation is interpreted to mean that the number or first digit designates the Masonry portion of the structure, and the following letter or second digit designates the type of cover or Iron Casting (shown hereon) to be used therewith to comprise the complete Unit "Catch Basin" or "Inlet" in place.

ADJUSTMENTS —
Curb Box height to be adjustable 4"-9" unless otherwise noted. Curb Box height to be adjusted after curb form is in place.

ALTERNATE DESIGNS —
Detailed drawings for proposed Alternate Designs for "Catch Basin" or "Inlet" Covers may be submitted to the Engineer for approval providing that such Alternate Designs make provision for equivalent capacity and strength.

CATCH BASIN & INLET COVERS

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

11-23-63
DATE

J. L. Pilt
ENGINEER OF DESIGN

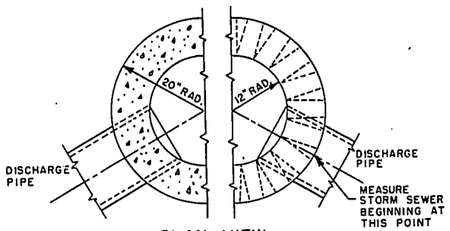
APPROVED:

12/3/63
DATE

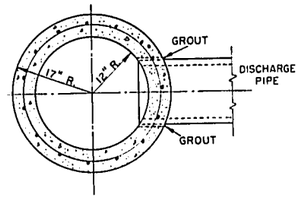
STATE HIGHWAY ENGINEER

PLATE NO. 5-3.4.7

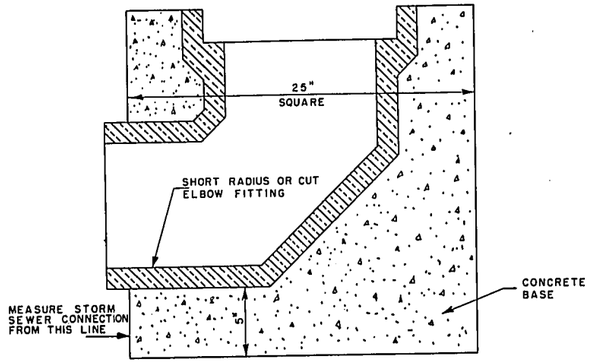
22.2-145



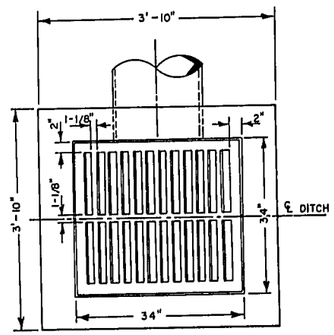
PLAN VIEW



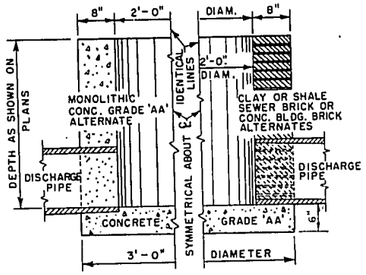
PLAN VIEW



INLET TYPE 2

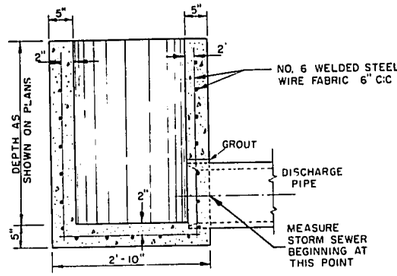


PLAN VIEW



ELEVATION VIEW

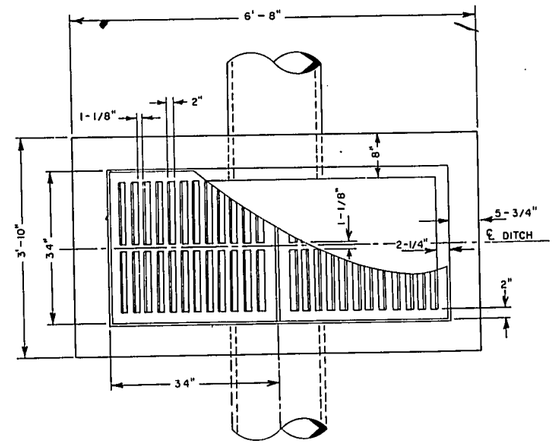
SHOWING DETAILS FOR MONOLITHIC CONCRETE, CLAY OR SHALE SEWER BRICK, OR CONCRETE BUILDING BRICK ALTERNATES FOR



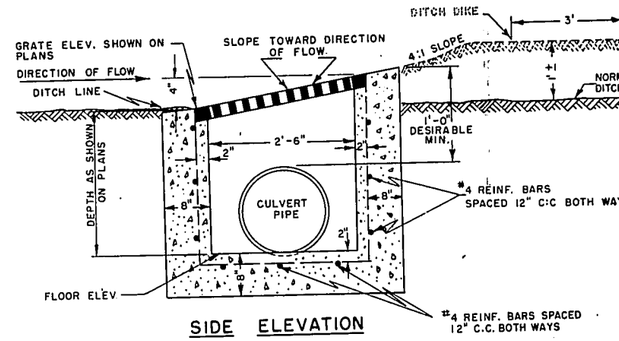
ELEVATION VIEW

SHOWING DETAILS FOR PRE-CAST CONCRETE ALTERNATE FOR

INLET TYPE 1

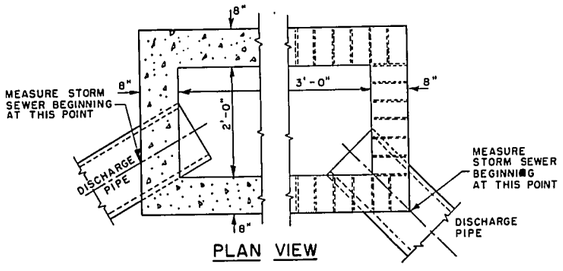


PLAN VIEW

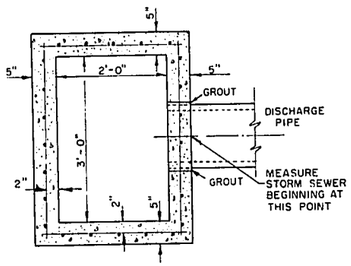


SIDE ELEVATION

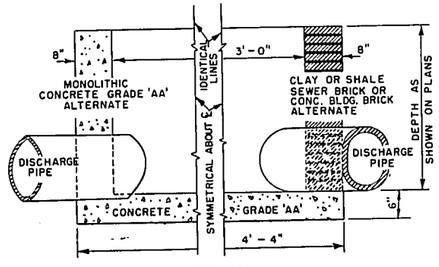
INLET TYPE 8



PLAN VIEW

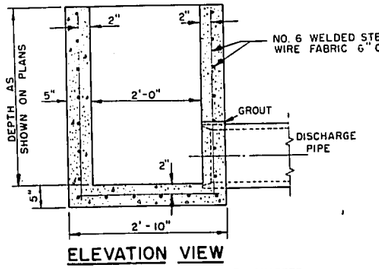


PLAN VIEW



ELEVATION VIEW

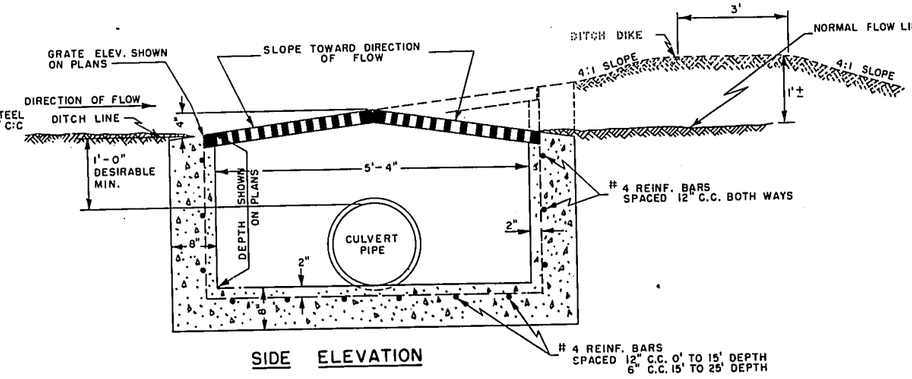
SHOWING DETAILS FOR MONOLITHIC CONCRETE, CLAY OR SHALE SEWER BRICK, OR CONCRETE BUILDING BRICK ALTERNATES FOR



ELEVATION VIEW

SHOWING DETAILS FOR PRE-CAST CONCRETE ALTERNATE FOR

INLET TYPE 3



SIDE ELEVATION

INLET TYPE 9

GENERAL NOTES:

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ARRANGEMENT, SIZE AND NUMBER OF INLET AND DISCHARGE PIPES SHALL CONFORM TO THE NEEDS OF THE PERTINENT LOCATION.

INLETS ARE CALLED FOR ON THE PLANS AS "INLETS 1-A, "INLETS 2-R", ETC., THE NUMBER DESIGNATES THE MASONRY PORTION OF THE STRUCTURE AND THE LETTER DESIGNATES THE COVER TO BE USED THEREON.

INLETS

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL

11-21-63
DATE

J. S. Pelt
ENGINEER OF DESIGN

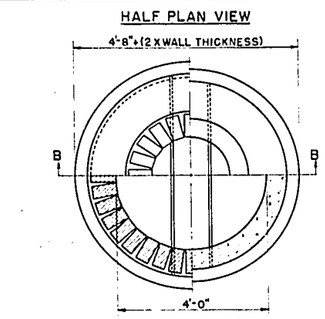
APPROVED:

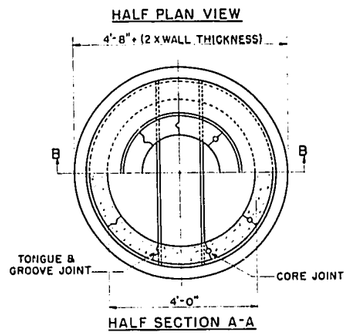
12/3/63
DATE

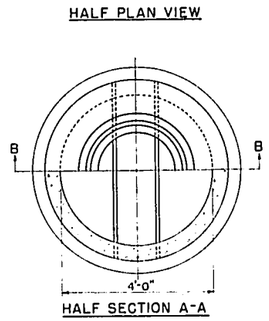
STATE HIGHWAY ENGINEER

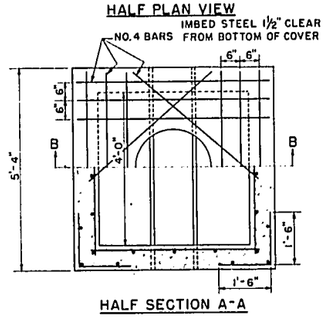
PLATE NO. 5-3.5.2

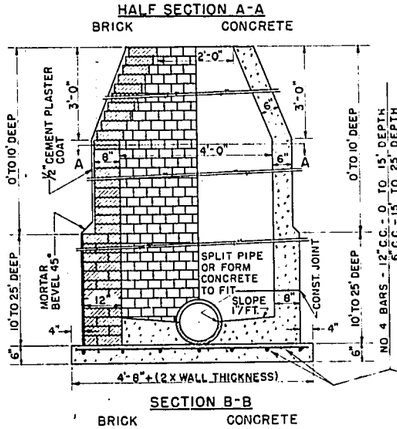
22.3-145

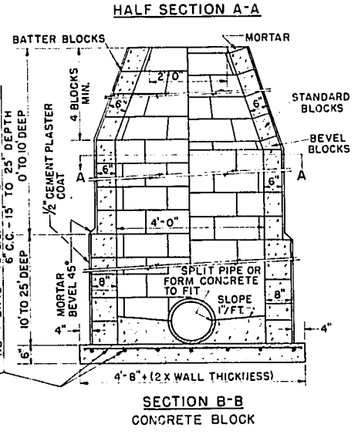


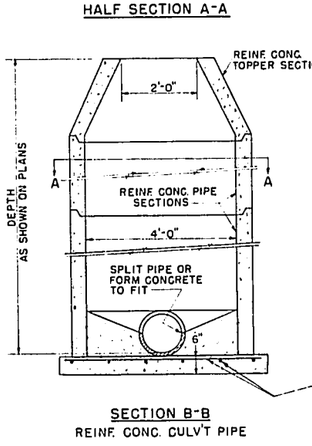


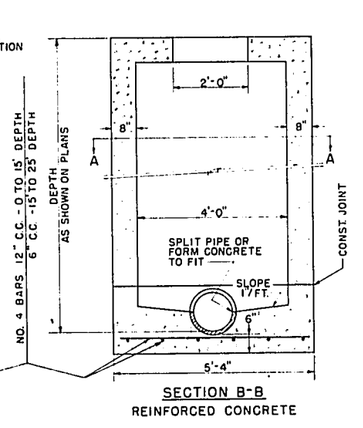




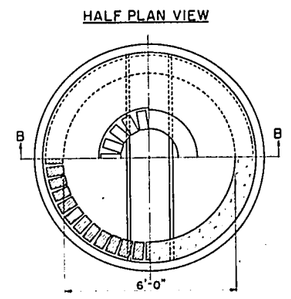


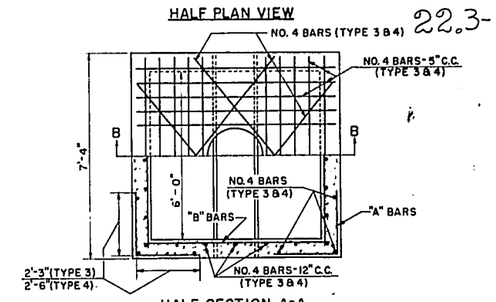


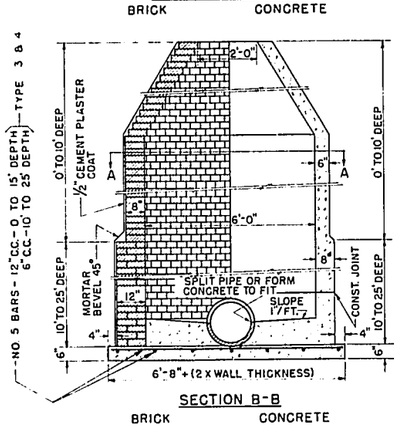


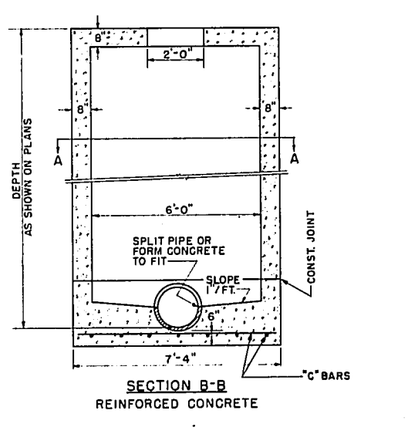


TYPE 1

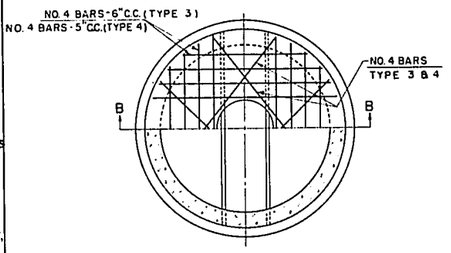




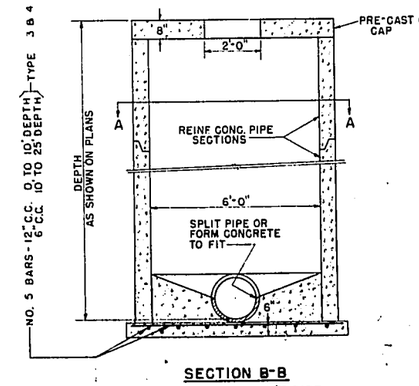




HALF PLAN VIEW



HALF SECTION A-A



TYPE 3

"A" BARS - NO. 4 BARS - 12" C.C. - 0 TO 10' DEPTH
6" C.C. -10' TO 25' DEPTH

"B" BARS - NO. 4 BARS - 12" C.C. - 0 TO 25' DEPTH

"C" BARS - NO. 5 BARS - 12" C.C. - 0 TO 10' DEPTH
6" C.C. -10' TO 25' DEPTH

TYPE 2

CONSTRUCTION NOTES

DETAILS RELATIVE TO THESE ITEMS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

STEPS SHALL BE INSTALLED IN ALL MANHOLES.

VARIATIONS IN DIMENSIONS AND DESIGN WILL BE PERMISSABLE PROVIDING EQUIVALENT CAPACITY AND STRENGTH ARE ATTAINED.

STRUCTURES ARE CALLED FOR ON THE PLANS AS "MANHOLES 1-J", "MANHOLES 2-K" ETC, THE NUMERAL DESIGNATES THE OPTIONAL MASONRY PORTION OF THE STRUCTURE AND THE LETTER DESIGNATES THE COVER TO BE USED THEREON.

THE REINFORCED CONCRETE TOPPER SECTION AS SHOWN FOR TYPE I, REINF. CONC. CULV'T PIPE MANHOLE, MAY BE USED AS AN ALTERNATE CONE ON TYPE I BRICK, CONCRETE OR CONCRETE BLOCK MANHOLES.

WHEN ANY STRUCTURE IS CONSTRUCTED OF CONCRETE, CONCRETE BLOCK OR REINF. CONC. CULV'T PIPE, THE TOP OF THE MASONRY SHALL BE LEFT SUFFICIENTLY LOW TO PERMIT PROPER ADJUSTMENT OF COVER TO GRADE BY THE USE OF MORTAR AND BRICK.

DESIGN NOTES

INSIDE DIMENSIONS FOR MANHOLES:

USE 3' DIAMETER WHEN NECESSARY TO PLACE IN CONSTRICTED AREAS.

USE 4' DIAMETER WHEN SEWER IS UNDER 18" IN DIAMETER.

USE 5' DIAMETER OR 6' SQUARE WHEN SEWER IS 18" TO 54" DIAMETER.

TYPE 4

FOR SEWER GREATER THAN 54" DIAMETER SPECIAL DESIGN IS REQUIRED SHOWING INSIDE DIMENSION OF MANHOLE TO BE DIAMETER OF SEWER PLUS 18". SPECIAL DESIGN SHALL CONFORM TO THE GENERAL DETAILS FOR TYPE 3.

"A" BARS - NO. 5 BARS - 12" C.C. - 0 TO 10' DEPTH.
6" C.C. - 10' TO 25' DEPTH.

"B" BARS - NO. 4 BARS - 12" C.C. - 0 TO 10' DEPTH.
10" C.C. - 10' TO 25' DEPTH.

"C" BARS - NO. 5 BARS - 10" C.C. - 0 TO 10' DEPTH.
5" C.C. 10' TO 25' DEPTH.

MANHOLES

STATE HIGHWAY COMMISSION OF WISCONSIN

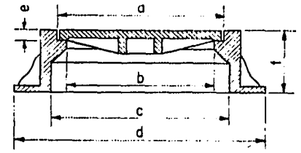
RECOMMENDED FOR APPROVAL:

DATE 2-5-63 — J. J. Pilli — ENGINEER OF DESIGN

APPROVED:

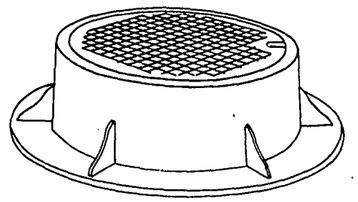
DATE 2/6/63 — E. E. Rottier — STATE HIGHWAY ENGINEER

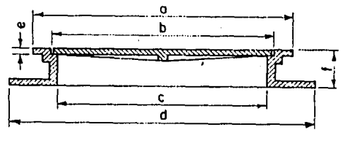
PLATE 5-312.3



	a	b	c	d	e	f	Weight
TYPE "J"	23"	20½"	25½"	36"	1½"	9	300 Lbs.
TYPE "K"	32½"	30"	36"	46"	1½"	10"	750 Lbs.

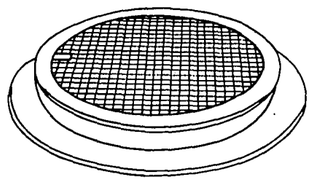
TYPE "J" & "K"





	a	b	c	d	e	f	Weight
TYPE "L"	28"	24"	22½"	33"	5/8"	4"	210 Lbs.
TYPE "M"	42"	37½"	36"	47"	3/4"	4"	475 Lbs.

TYPE "L" & "M"



CONSTRUCTION NOTES

DETAILS RELATIVE TO THESE ITEMS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

VARIATIONS IN DIMENSIONS AND DESIGN WILL BE PERMISSABLE PROVIDING EQUIVALENT CAPACITY AND STRENGTH ARE ATTAINED.

MANHOLES ARE CALLED FOR ON THE PLANS AS "MANHOLES 1-J", "MANHOLES 2-K" ETC., THE NUMERAL DESIGNATES THE MASONRY PORTION OF THE STRUCTURE AND THE LETTER DESIGNATES THE FIXTURE TO BE USED THEREON. MANHOLE FRAMES AND COVERS SUBJECT TO TRAFFIC TO BE MACHINED OR NON-ROCKING TYPE.

DESIGN NOTES

TYPES "J" & "K" TO BE USED WHERE FACILITY WILL BE SUBJECT TO TRAFFIC.

TYPES "L" & "M" TO BE USED WHERE FACILITY WILL NOT BE SUBJECT TO TRAFFIC.

MANHOLE COVERS

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

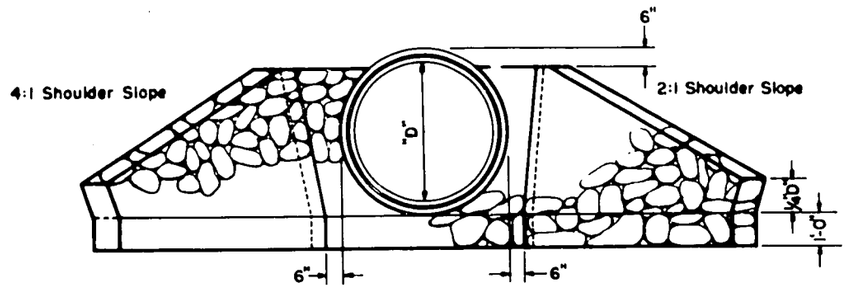
DATE 1/27/53 A. H. Block
CONSTRUCTION ENGINEER

APPROVED:

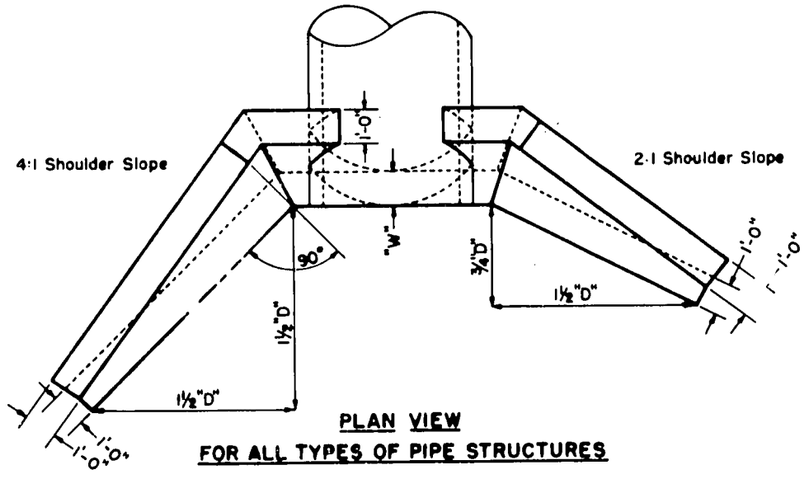
DATE 1/27/53 E. G. Rountree
STATE HIGHWAY ENGINEER

DRAWN LJD
CHECKED

5-3.8.2



END ELEVATION
SHOWING CONCRETE CIRCULAR PIPE INCL. CATTLE PASS



PLAN VIEW
FOR ALL TYPES OF PIPE STRUCTURES

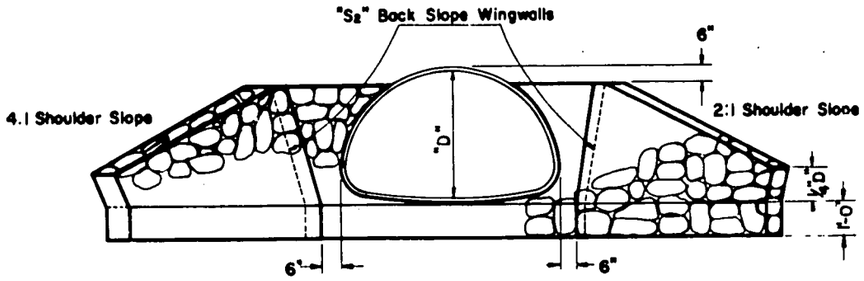
CIRCULAR PIPE		Cu. Yds Mortar Rubble Masonry or Riprap per Endwall		"A" (Feet)	"B" (Feet)	Front Slope "Si"	Back Slope "Sz"	Width of Footing at "W" (Feet)
Size of Pipe	Type of Pipe	4:1 Slope	2:1 Slope	4:1 Slope	2:1 Slope			
24"	R.C.C.P.	1.2	1.0	3.4	0.8	½:1	½:1	1.0
	C.M.C.P.	1.0	0.8	2.8	0.6	"	"	"
30"	R.C.C.P.	1.5	1.3	5.1	1.5	"	"	"
	C.M.C.P.	1.3	1.0	4.6	1.3	"	"	"
36"	R.C.C.P.	2.0	1.6	6.9	2.3	"	"	"
	C.M.C.P.	1.7	1.3	6.3	2.1	"	"	"
42"	R.C.C.P.	2.6	2.1	8.9	3.1	"	"	"
	C.M.C.P.	2.2	1.7	8.1	2.9	"	"	"
48"	R.C.C.P.	3.2	2.6	10.7	3.9	"	"	"
	C.M.C.P.	2.8	2.2	9.8	3.6	"	"	"
60"	R.C.C.P.	8.4	6.9	14.5	5.5	"	⅛:1	2.38
	C.M.C.P.	6.9	5.9	13.3	5.2	"	"	2.20
72"	R.C.C.P.	12.4	9.9	18.3	7.1	"	"	2.68
	C.M.C.P.	10.0	8.0	16.8	6.2	"	"	2.40

PIPE ARCH

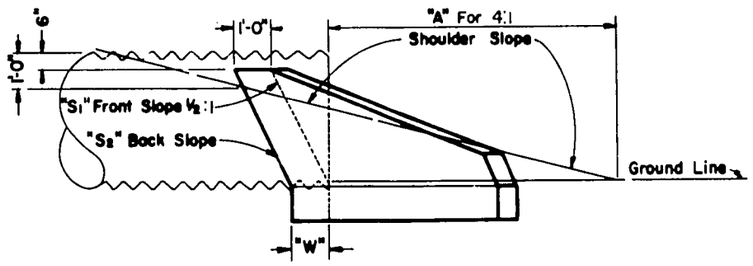
29"x18"	C.M.C.P.	1.0	0.8	1.1	0.3	½:1	½:1	1.0
36"x22"	"	1.3	1.0	2.2	0.5	"	"	"
43"x27"	"	1.7	1.2	3.7	1.0	"	"	"
50"x31"	"	1.9	1.4	4.9	1.5	"	"	"
58"x36"	"	2.1	1.7	6.3	2.1	"	"	"
65"x40"	"	2.5	2.0	7.5	2.6	"	"	"
72"x44"	"	2.9	2.4	8.6	3.1	"	"	"

CATTLE PASS

72"	ALTERNATE	12.4	9.9	18.3	7.1	"	"	2.68



END ELEVATION
SHOWING CORRUGATED METAL PIPE ARCH



SIDE ELEVATION

GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications, and the applicable Special Provisions.

CONCRETE MASONRY SUBSTITUTE

All items shown hereon may be constructed of Class "A" Concrete in which case all sizes and dimensions shown shall obtain. Concrete masonry substitute work shall conform to the pertinent requirements of the Standard Specifications.

MORTAR RUBBLE MASONRY OR RIPRAP FOR CULVERT & CATTLE PASS ENDWALLS

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

2-5-63
DATE

J. J. Pelt
ENGINEER OF DESIGN

APPROVED:

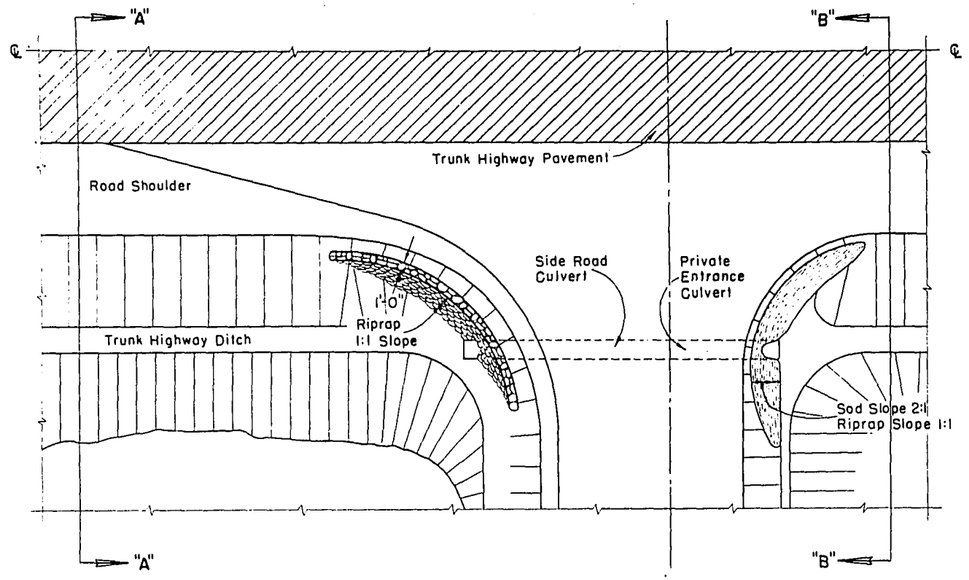
2/6/63
DATE

E. L. Bertschinger
STATE HIGHWAY ENGINEER

PLATE NO. 6-2.4.3

8

22.6-145

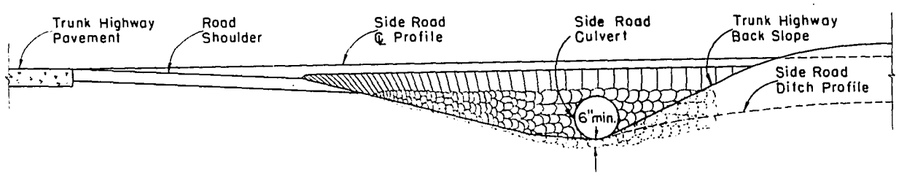


PLAN VIEW
HALF SECTION SHOWING
RIPRAP PLACED AT
SIDE ROAD CULVERT

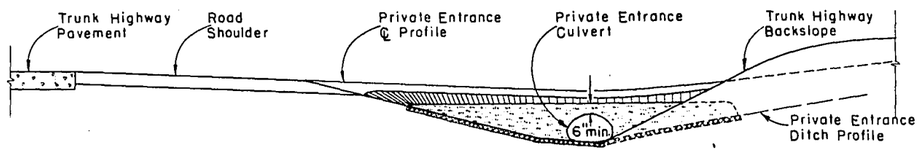
PLAN VIEW
HALF SECTION SHOWING
SOD OR RIPRAP PLACED AT
PRIVATE ENTRANCE CULVERT

TABLE OF QUANTITIES

SIDE ROAD CULVERTS		PRIVATE ENTRANCE CULVERTS		
Size of Culvert Pipe	Cu. Yds. Riprap One End	Size of Culvert Pipe	Cu. Yds. Riprap One End	Sq. Yds. Sod One End
—	—	18"	0.7	4
24"	1.0	24"	1.0	5
30"	1.3	30"	1.3	6
36"	2.0	36"	2.0	7
42"	2.7	42"	2.7	8
48"	3.6	48"	3.6	10



ELEVATION VIEW SECTION "A-A"
SHOWING RIPRAP PLACED AT SIDE ROAD CULVERT



ELEVATION VIEW SECTION "B-B"
SHOWING SOD OR RIPRAP PLACED AT PRIVATE ENTRANCE CULVERT

GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Conditions.

RIPRAP AT SIDE ROAD CULVERTS & RIPRAP OR SOD AT PRIVATE ENTRANCE CULVERTS

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

2-5-63
DATE

J. J. Pelt
ENGINEER OF DESIGN

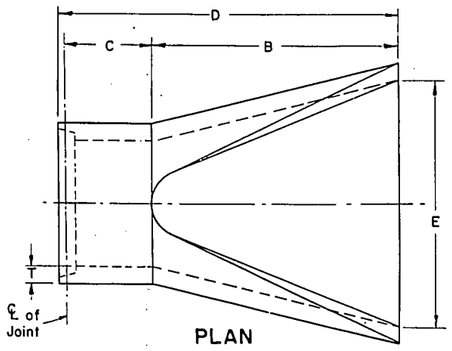
APPROVED:

2/6/63
DATE

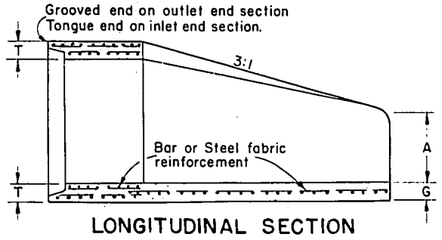
E. G. Rottiger
STATE HIGHWAY ENGINEER

PLATE NO. 6-2.5.2

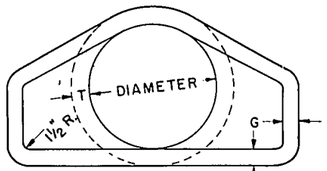
22.7-145



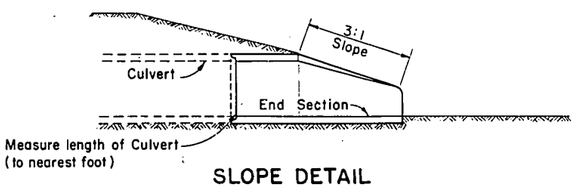
PLAN



LONGITUDINAL SECTION



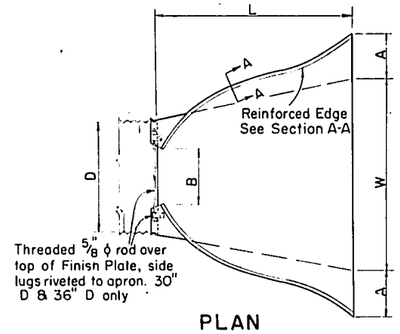
END VIEW



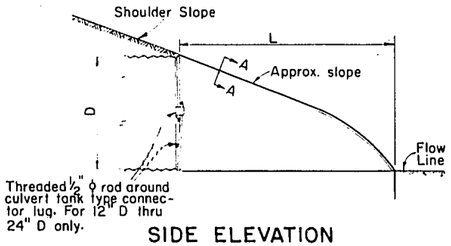
SLOPE DETAIL

DIA.	APPROX. WEIGHT/ SECTION	SLOPE	T	A	B	C	D	E	G
18"	990	3 to 1	2½"	9"	27"	46"	73"	36"	2½"
21"	1280	3 to 1	2¾"	9"	36"	37½"	73½"	42"	2¾"
24"	1520	3 to 1	3"	9½"	43½"	30"	73½"	48"	3"
27"	1930	3 to 1	3¼"	10½"	49½"	24"	73½"	54"	3¼"
30"	2190	3 to 1	3½"	12"	54"	19¾"	73¾"	60"	3½"
36"	4100	3 to 1	4"	15"	63"	34¾"	97¾"	72"	4"
42"	5380	3 to 1	4½"	21"	63"	35"	98"	78"	4½"
48"	6550	3 to 1	5"	24"	72"	26"	98"	84"	5"

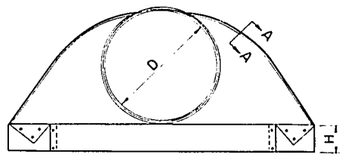
REINFORCED CONCRETE APRON ENDWALLS



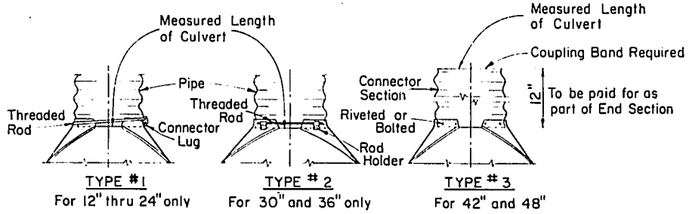
PLAN



SIDE ELEVATION



END VIEW

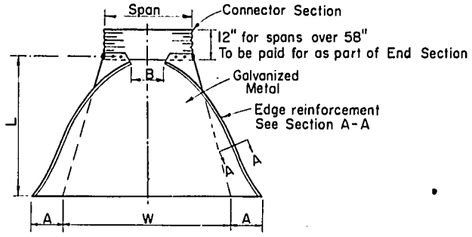


CONNECTION DETAILS

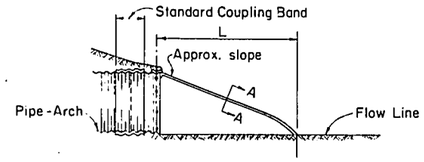
D Pipe Diam.	Gage Min.	Dimensions A ± 1"	B Max.	H ± 1"	L ± 1½"	W ± 2"	Approx. Slope	Fabrication Remarks
18"	16	8"	10"	6"	31"	36"	2½ to 1	1 Piece
21"	16	9"	12"	6"	36"	42"	"	"
24"	16	10"	13"	6"	41"	48"	"	"
30"	14	12"	16"	8"	51"	60"	"	"
36"	14	14"	19"	9"	60"	72"	"	2 Pieces, ℄ Splice
42"	12	16"	22"	11"	69"	84"	"	"
48"	12	18"	27"	12"	78"	90"	2¼ to 1	"

Note: All splices to be lap riveted or bolted.

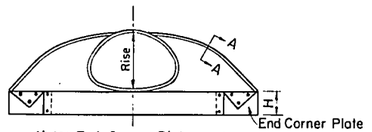
METAL AND ALUMINUM APRON ENDWALLS



PLAN
showing alternate type with connector section

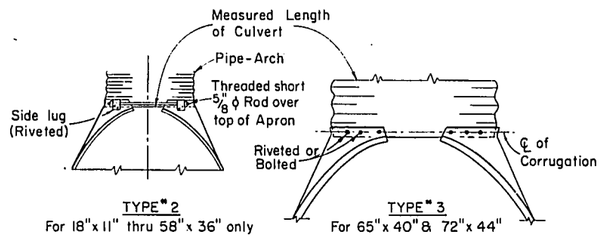


SIDE ELEVATION



Note: End Corner Plates may be fastened to apron proper by bolts or rivets which will hold the surfaces tightly together.

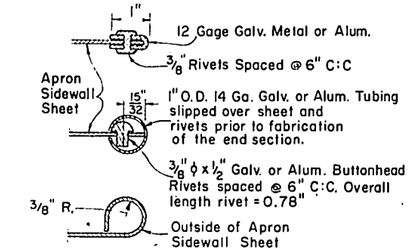
END VIEW



CONNECTION DETAILS

Pipe-Arch Dimensions Span	Rise	Gage Min.	Dimensions A ± 1"	B Max.	H ± 1"	L ± 1½"	W ± 2"	Approx. Slope	Fabrication Remarks
18"	11"	16	7"	9"	6"	19"	30"	2½ to 1	1 Piece
22"	13"	16	7"	10"	6"	23"	36"	"	"
25"	16"	16	8"	12"	6"	28"	42"	"	"
29"	18"	16	9"	14"	6"	32"	48"	"	"
36"	22"	14	10"	16"	6"	39"	60"	"	"
43"	27"	14	12"	18"	8"	46"	75"	"	"
50"	31"	12	13"	21"	9"	53"	85"	"	2 Pieces, ℄ Splice
58"	36"	12	18"	26"	12"	63"	90"	"	"
65"	40"	12	18"	30"	12"	70"	102"	"	"
72"	44"	12	18"	33"	12"	77"	114"	"	3 Pieces, 2 Splices equal distance from ℄

Note: All splices to be lap riveted or bolted.



SECTION A-A

GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.

Reinforced concrete apron endwalls shall conform to the pertinent requirements of the Standard AASHO Designation: M170, Class II (Wall B).

Metal apron endwalls shall conform to the pertinent requirements of the Standard AASHO Designation: M36.

Aluminum apron endwalls shall conform to the pertinent requirements of the Standard AASHO Designation: M-196-62 I

NOTE:

Variations of the dimensions and designs shown hereon will be permitted providing equivalent capacity and structural integrity are attained, and prior approval of the Engineer is obtained.

Reinf. concrete apron endwalls shall be used with concrete pipe culvert installations, metal apron endwalls shall be used with corr. metal pipe culvert installations, and Aluminum endwalls shall be used with corr. aluminum culvert installations.

APRON ENDWALLS FOR CULVERT PIPE

APRON ENDWALLS FOR PIPE ARCH

APRON ENDWALLS FOR CULVERT PIPE & PIPE ARCH

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

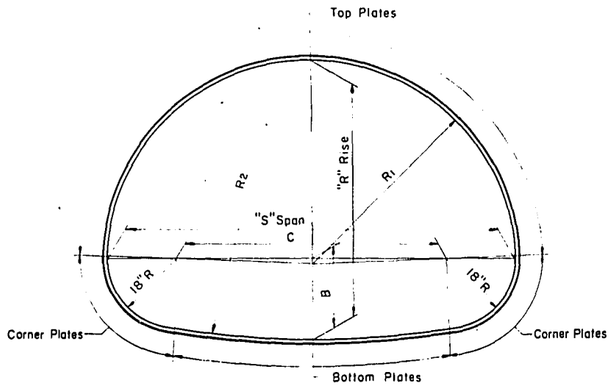
DATE: 4/9/65 — E. J. Ryckert, CHIEF DESIGN ENGINEER

DATE: 4/12/65 — E. C. Ruettiger, STATE HIGHWAY ENGINEER

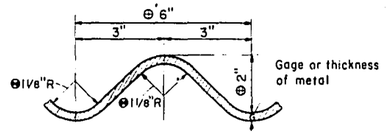
PLATE NO. 6-2.6.4

6

22.8-145



STRUCTURAL PLATE PIPE ARCH



DETAIL OF METAL CORRUGATIONS

CORRUGATION DIMENSION TOLERANCES

⊖-Tol. 1/4"

⊕-Tol. ± 1/8"

⊖-Min. 1 1/16"

GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications, and the applicable Special Provisions.

TOLERANCES

Pipe Arch size dimensions are subject to manufacturing tolerances and the ratio of rise (R) to span (S) shall not exceed a tolerance of 5% plus or minus.

Metal corrugation dimension tolerances shall not exceed pertinent dimensions shown elsewhere on this drawing.

EMBANKMENT—Minimum for ℄ Culverts

For Flexible Type Pavement, the minimum depth of embankment or cover over top of Pipe Arch (finished construction) shall be "S"/10 or 1'-0" minimum.

For Rigid Type Pavement, the minimum depth of embankment over top of Pipe Arch shall be "S"/14 or a minimum of 6" cushion between pipe and pavement.

EMBANKMENT—Maximum for ℄ Culverts

The maximum depth of embankment shall be 15 feet (finished construction).

Adequate cover protection for Pipe Arches shall be provided at all times during construction operations to preclude any damage to structures.

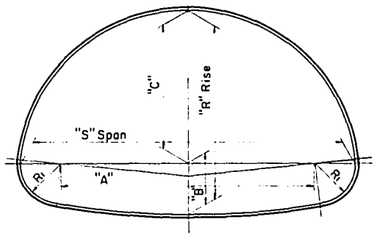
Strutting of Pipe Arches will not be required during construction unless specifically called for on the plans or the applicable Special Provisions.

TABLE OF PROPERTIES
STRUCTURAL PLATE PIPE ARCH

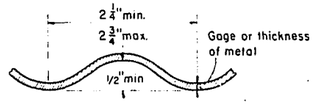
SPAN Nominal Size	Dimensions taken from inside crests of corrugations							Table of Metal Gages — Minimum Acceptable														
	Fabricators Size Min. Acceptable "S" Span — "R" Rise	R/S Ratio	Area Sq.Ft.	B In.	C In	R1 In	R2 In	H-20 LOADING Depth of Embankment in Feet														
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
6 Feet	6'-1" x 4'-7"	.75	22	21.0	37.0	36.7	76.4	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
7 "	7'-0" x 5'-1"	.73	28	21.4	48.0	42.3	104.5	10	12	12	12	12	12	12	12	12	12	12	12	12	10	10
8 "	7'-11" x 5'-7"	.70	35	21.7	59.0	47.7	138.4	10	10	10	12	12	12	12	12	12	12	12	10	10	10	10
9 "	8'-10" x 6'-1"	.69	43	21.8	70.0	53.0	179.2	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8
10 "	9'-9" x 6'-7"	.67	52	21.9	81.0	58.3	228.0	8	8	10	10	10	10	10	10	10	10	10	8	8	8	7
11 "	10'-11" x 7'-1"	.65	61	25.1	95.0	65.8	180.8	8	8	8	10	10	10	10	10	10	8	8	8	7	7	5
12 "	11'-10" x 7'-7"	.64	71	25.2	106.0	71.1	217.0	7	8	8	8	8	8	8	8	8	8	8	7	5	5	3
13 "	12'-10" x 8'-4"	.65	85	24.0	118.0	77.2	315.2	5	7	8	8	8	8	8	8	7	7	5	5	3	1	
14 "	13'-11" x 8'-7"	.62	93	28.9	131.0	84.4	220.8	5	5	7	7	8	8	8	7	7	5	5	3	3	1	1
15 "	14'-10" x 9'-1"	.61	105	28.9	142.0	895	254.9	3	5	5	7	7	7	7	7	5	3	3	1	1	–	–
16 "	15'-10" x 9'-10"	.62	122	27.4	154.0	95.4	339.1	1	3	5	5	7	7	7	5	3	3	1	1	–	–	–
16.5 "	16'-7" x 10'-1"	.61	131	28.7	163.0	99.8	333.8	–	1	3	3	5	5	5	3	1	1	1	–	–	–	–

Note: For sizes of Structural Plate Pipe Arch between those shown in the table, the gage shall be interpolated (based on table data) where possible ; otherwise the gage of the next larger size shown in the table shall be used.

STRUCTURAL PLATE PIPE ARCH



CORRUGATED METAL PIPE ARCH
(Riveted)



DETAIL OF METAL CORRUGATIONS

GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications, and the applicable Special Provisions.

TOLERANCES

Tolerance from the dimensions detailing size and shape will be permissable providing equivalent capacity and strength are attained.

EMBANKMENT—Minimum for ℄ Culverts

For Flexible Type Pavement, the minimum depth of embankment or cover over top of Pipe Arch (finished construction) shall be "S"/10 or 9" minimum.

For Rigid Type Pavement, the minimum depth of embankment over top of Pipe Arch shall be "S"/14 or a minimum of 3" cushion between pipe and pavement.

EMBANKMENT—Maximum for ℄ Culverts

The maximum depth of embankment shall be 10 feet (finished construction).

Adequate cover protection for Pipe Arches shall be provided at all times during construction operations to preclude any damage to structures.

TABLE OF DIMENSIONS
CORRUGATED METAL PIPE ARCH

CORRUGATED METAL PIPE ARCH									Round Pipe of Approx. Equal Periphery	
Gage (Min. Acceptable)	"S" Span Inches	"R" Rise Inches	"A" Inches	"B" Inches	"C" Inches	R1 Inches	R/S Ratio	Area Sq.Ft.	Area Sq.Ft.	Diam. Inches
16	18	11	10	4 1/2	6 1/2	3 1/2	.61	1.1	1.23	15
16	22	13	14	4 3/4	8 1/4	4	.59	1.6	1.77	18
16	25	16	17	5 1/4	10 3/4	4	.64	2.2	2.41	21
14	29	18	20	5 1/2	12 1/2	4 1/2	.62	2.8	3.14	24
14	36	22	26	6 1/4	15 3/4	5	.61	4.4	4.91	30
12	43	27	32	7	20	5 1/2	.63	6.4	7.07	36
12	50	31	38	8	23	6	.62	8.7	9.62	42
12	58	36	44	9 1/4	26 3/4	7	.62	11.4	12.57	48
12	65	40	49	10 1/2	29 1/2	8	.62	14.3	15.90	54
10	72	44	54	11 3/4	32 1/4	9	.61	17.6	19.64	60

NOTE: All Dimensions measured from inside crest of corrugations.

CORRUGATED METAL PIPE ARCH

STRUCTURAL PLATE PIPE ARCH
CORRUGATED METAL PIPE ARCH

STATE HIGHWAY COMMISSION OF WISCONSIN

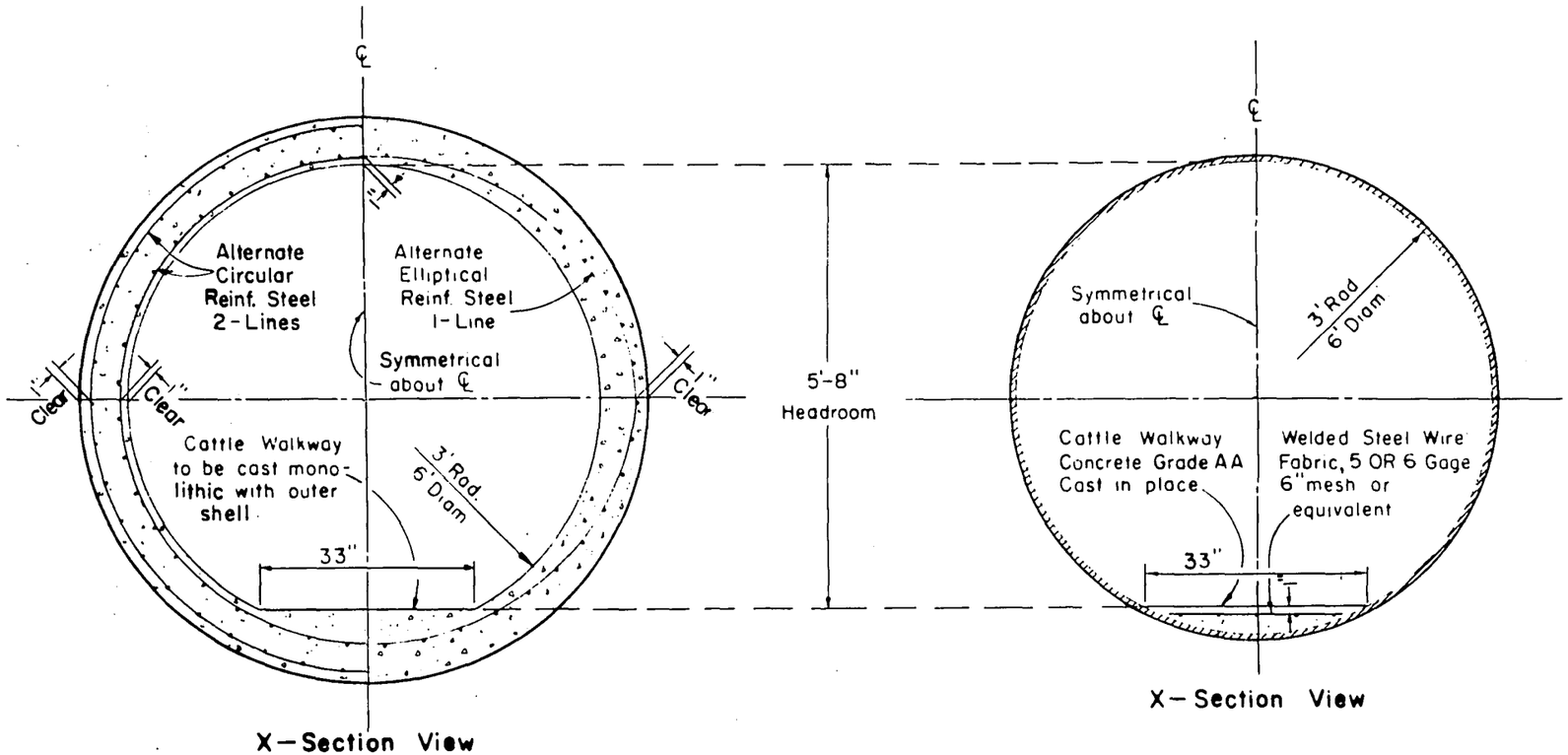
RECOMMENDED FOR APPROVAL:

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

APPROVED:

2/6/63 DATE — E. L. Ruettiger STATE HIGHWAY ENGINEER

PLATE NO. 6-5.3.2



X—Section View

X—Section View

REINFORCED CONCRETE PIPE
CATTLE PASS
(Alternate)

GENERAL NOTES

Reinforced Concrete Pipe Cattle Pass shall be manufactured, furnished, and placed in accord with the Standard Specifications and the applicable Special Provisions and details shown hereon.

Unless otherwise required on the plans the pipe shall conform to the requirements of AASHO Designation M 170-Class III

DEPTH EMBANKMENT - TOP OF SURFACING TO TOP OF PIPE

	Rigid Pav't	Flexible Pav't
Minimum	15"	Class III Pipe - 15"
Maximum	10.0'	10.0'

(10 Ga.) - CORRUGATED METAL PIPE
CATTLE PASS
(Alternate)

GENERAL NOTES

Corrugated Metal Pipe Cattle Pass shall be manufactured, furnished, and placed in accord with the Standard Specifications for Corrugated Metal Culvert Pipe, the applicable Special Provisions and details shown hereon.

DEPTH OF EMBANKMENT - TOP OF SURFACING TO TOP OF PIPE

	Rigid Pav't.	Flexible Pav't.
Minimum	15"	15"
Maximum	10.0'	10.0'

REINFORCED CONCRETE PIPE
CORRUGATED METAL PIPE
CATTLE PASS (72")
(Alternates)

STATE HIGHWAY COMMISSION OF WISCONSIN

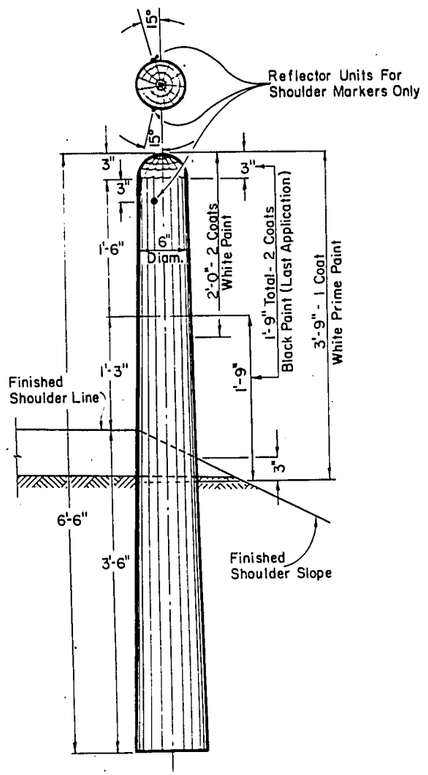
RECOMMENDED FOR APPROVAL

DATE 2-5-63 — ENGINEER OF DESIGN

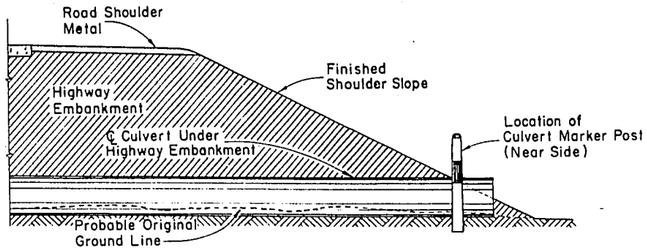
APPROVED

DATE 2/6/63 — STATE HIGHWAY ENGINEER

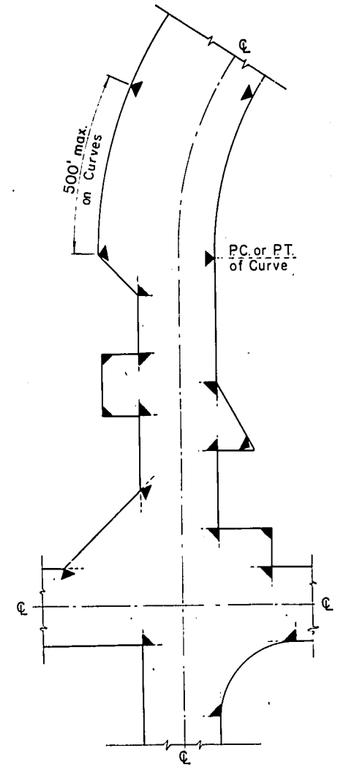
PLATE NO. 6-7.1.4



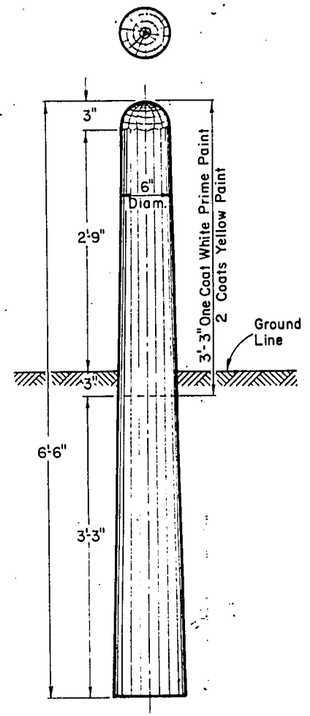
MARKER POST FOR
ROAD SHOULDERS AND CULVERTS



SECTION
SHOWING RELATIVE LOCATION OF
MARKER POST FOR CULVERTS

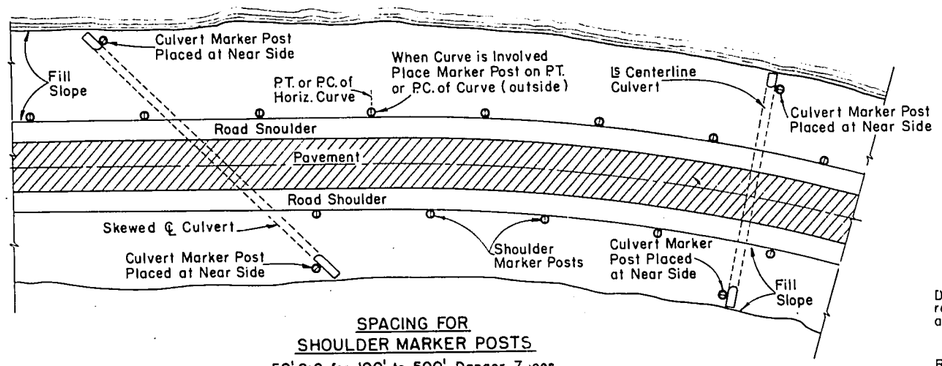


LOCATION DIAGRAM
SHOWING TYPICAL LOCATIONS OF
MARKER POSTS FOR RIGHT OF WAY



MARKER
POST
FOR
RIGHT OF WAY

MARKER POST FOR RIGHT OF WAY



SPACING FOR
SHOULDER MARKER POSTS
50' C:C for 100' to 500' Danger Zones
100 C:C for Over 500' Danger Zones

LOCATION DIAGRAM
SHOWING RELATIVE LOCATIONS OF SHOULDER MARKER POSTS
AND CULVERT MARKER POSTS

MARKER POSTS FOR ROAD SHOULDERS AND CULVERTS

GENERAL NOTES

Details of Construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.

MARKER POSTS FOR RIGHT OF WAY

Right of Way Marker Posts shall be erected in advance of Grading Operations. Posts shall be placed at the outer limits of the Highway Right of Way, but entirely within the Right of Way, and shall be so placed that the outer edge of the posts shall be tangent to the Right of Way line or lines extended. The exact location of all Right of Way Posts will be staked in the field by the Engineer.

REFLECTOR UNITS

Reflector Units shall have plastic crystal lens 7/8" in diameter. Unit assembly shall be a minimum of 7/8" in length. Reflector Units shall be furnished with flared expanding metal clips for wood mounting. Units shall be mounted in tightest fit possible and securely stayed in posts. Reflector Units shall be installed in Road Shoulder Marker Posts only.

MARKER POSTS & MARKER POSTS FOR RIGHT OF WAY

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL

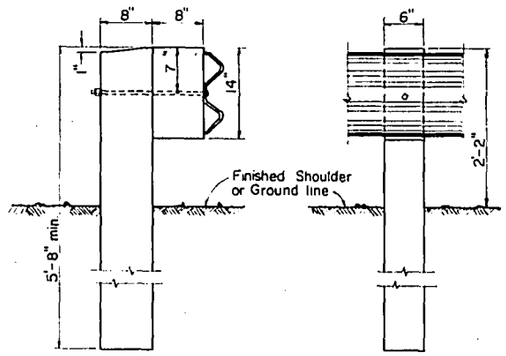
2-5-63 — J.S. Pelt, ENGINEER OF DESIGN

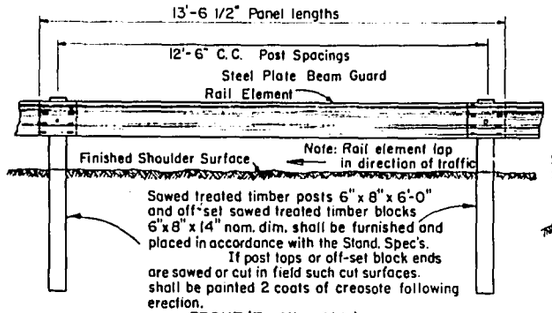
APPROVED:

2/6/63 DATE — E.L. Rettiger, STATE HIGHWAY ENGINEER

PLATE NO. 7-1.3.4

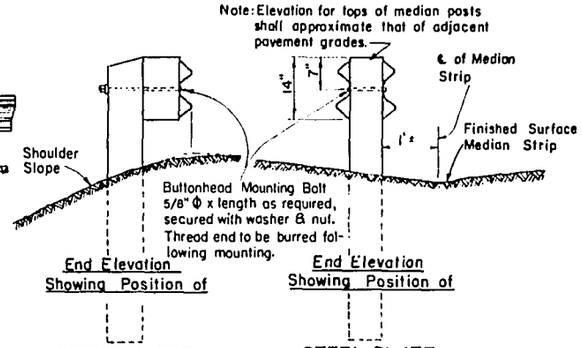
22.11-145





FRONT (Traffic Side) ELEVATION

STEEL PLATE BEAM GUARD OR STEEL PLATE BEAM (MEDIAN) GUARD



GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.

The Steel Plate Beam Guard or (Median) Guard shall consist of steel plate made of open hearth or electric furnace steel.

Plates shall be blanked to proper shape, fabricated and ready for assembly when received in the field. The plates shall be true to plan dimensions and of uniform section. Warped or deformed plates will be rejected. The edges of the plates shall be rolled or rounded so that they present no sharp edges. All connections and splices shall be formed with flat round headed bolts, or similar detail so that no appreciable projection will be presented on the road side of the guard. The rail element shall be spliced by lapping in the direction of traffic or by butt joint with splice plate. Plate ends in lap, splices or plate ends and splice plate in butt splices shall make contact throughout the entire area of the splice.

TESTS

The elongation of a 2 inch specimen of the steel plate used in the rail element shall be not less than 12 percent tested in tension. The minimum tensile strength of the rail element shall, when tested in conjuntion with splices and end connections, be 80,000 lbs. The rail element when loaded as a simple beam, freely supported at each end on 12'-0" centers shall support a concentrated load at span center through a flat surface 3 inches long, in accord with the following –

BEAM ELEMENT

Traffic Face up		Traffic Face Down	
Load	Maximum Deflection	Load	Maximum Deflection
1500 lb.	2.0 in.	1200 lb.	2.0 in.
2000 lb.	3.0 in.	1600 lb.	3.0 in

GALVANIZED

The steel plate beam element and terminal sections shall be furnished galvanized. The spelter coating of the base metal sheets shall be in accordance with A.A.S.H.O. Designation: M 36 The beam element may be galvanized before or after fabrication.

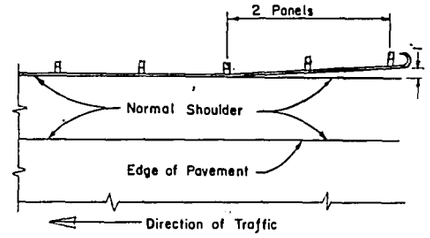
Bolts, nuts, and washers shall be furnished galvanized in accordance with A.S.T.M. Designation: A153, Class C.

CIRCULAR STEEL PLATE ELEMENT

Steel plate beam elements for beam guard or (median) guard for radii of 20 ft. to 150 ft. shall be shop-curved. Steel plate beam elements shall be bent to true circular curvature, void of kinks. Kinks shall be cause for rejection. Steel plate beam elements shall have a minimum bending radius of 20 feet.

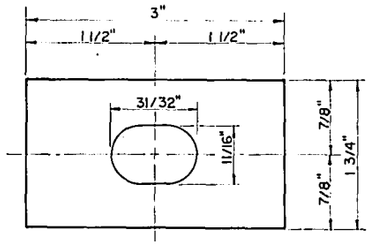
MEASUREMENT & PAYMENT

The items of Steel Plate Beam Guard and Steel Plate Beam (Median) Guard shall be measured and paid for at the contract unit price per linear foot, measured in place by length in linear feet from end to end - out to out of terminal sections, which price shall be full compensation for furnishing and placing all materials and performing all work to completion in accordance with the Stand. Spec's. the applicable Plans and Special Provisions.

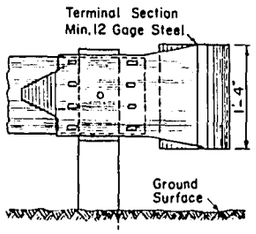


LOCATION DIAGRAM FOR STEEL PLATE BEAM GUARD INTERMEDIATE SECTIONS

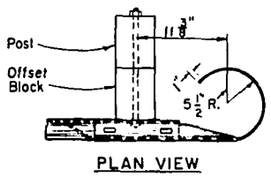
DETAIL OF POST & OFF-SET BLOCK



8 GAGE GALVANIZED - MOUNTING BOLT WASHER

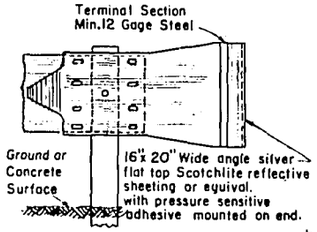


FRONT (Traffic Side) VIEW

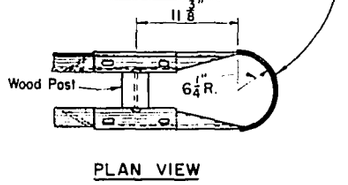


PLAN VIEW

TERMINAL SECTION DETAILS FOR STEEL PLATE BEAM GUARD

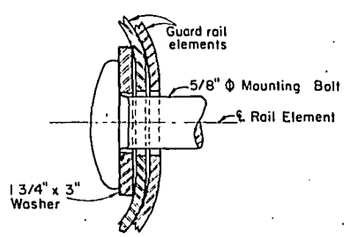


FRONT VIEW

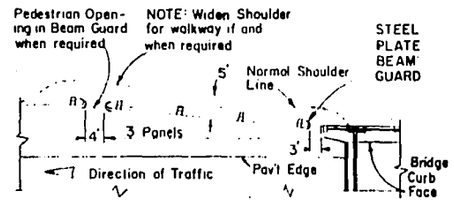


PLAN VIEW

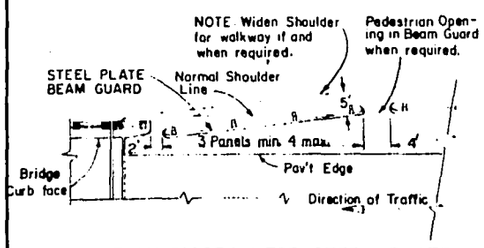
TERMINAL SECTION DETAILS FOR STEEL PLATE BEAM (MEDIAN) GUARD



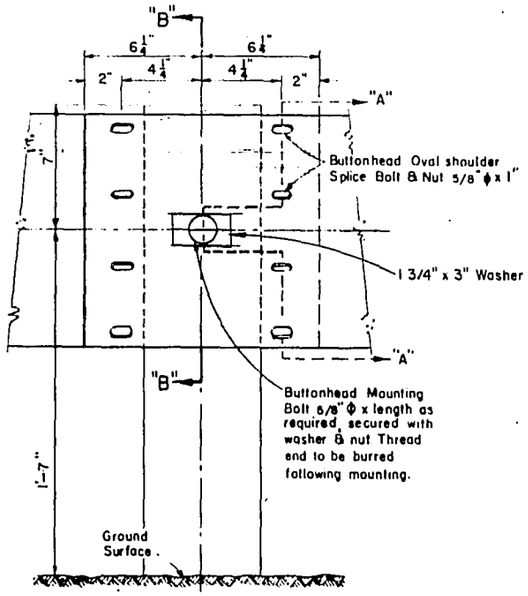
SECTION "B-B"



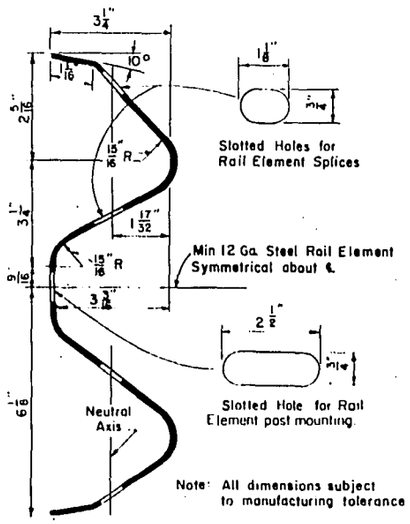
LOCATION DIAGRAM FOR STEEL PLATE BEAM GUARD AT BRIDGE EXITS



LOCATION DIAGRAM FOR STEEL PLATE BEAM GUARD AT BRIDGE APPROACHES



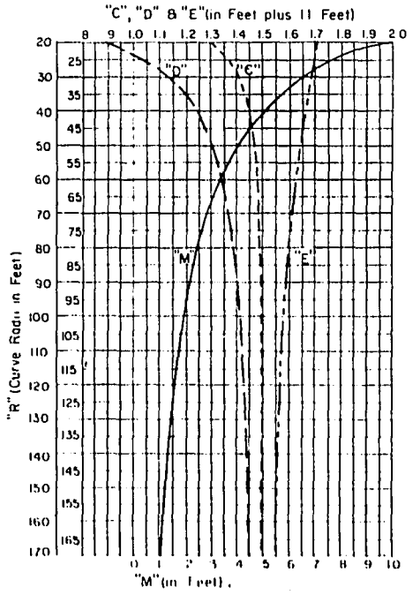
RAIL ELEMENT SPLICING & POST MOUNTING DETAILS

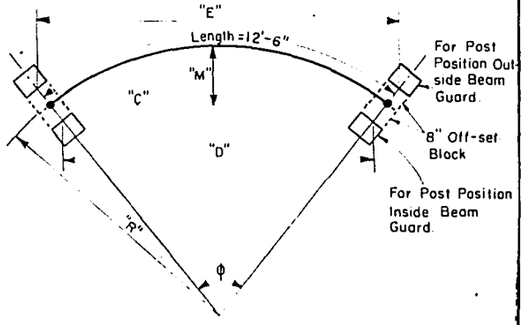


SECTION "A A"
RAIL ELEMENT SECTION
(Min 12 GAGE STEEL)

CURVE DATA

Middle Ordinates for Beam Curving & Chord Lengths for Post Spacings.





STEEL PLATE BEAM GUARD & STEEL PLATE BEAM (MEDIAN) GUARD

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

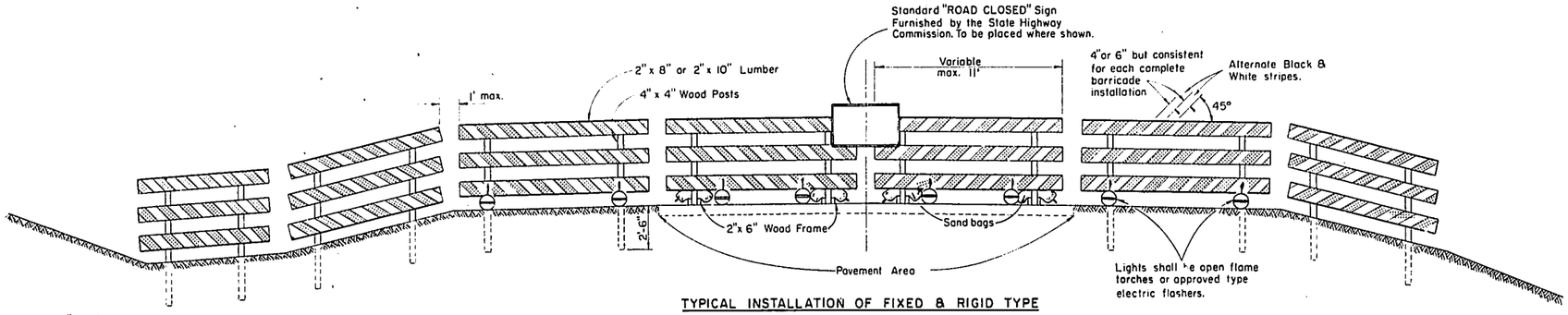
2-5-63 DATE — J. S. Pilt ENGINEER OF DESIGN

APPROVED:

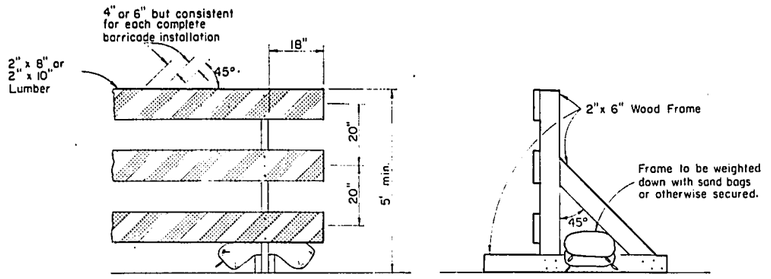
2-14-63 DATE — E. C. Rostinger STATE HIGHWAY ENGINEER

PLATE NO. 7-2.4.10

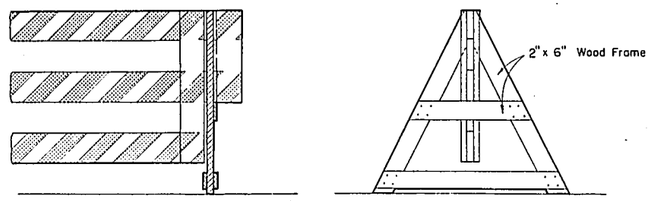
22.12-145



TYPICAL INSTALLATION OF FIXED & RIGID TYPE

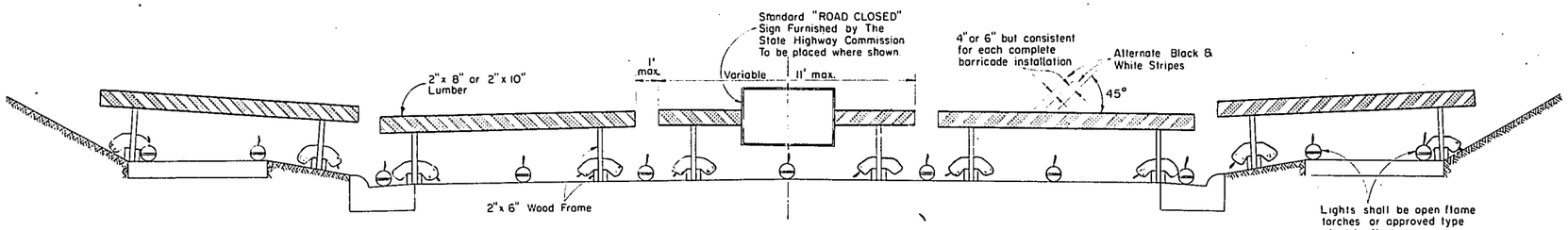


ALTERNATE TYPE INSTALLATION (RIGID)

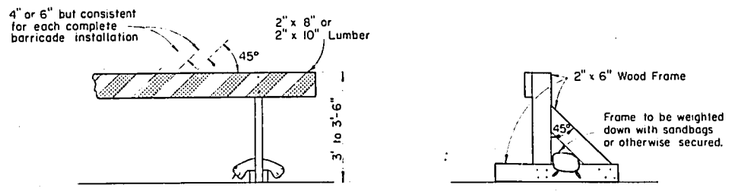


ALTERNATE TYPE INSTALLATION (DEMOUNTABLE)

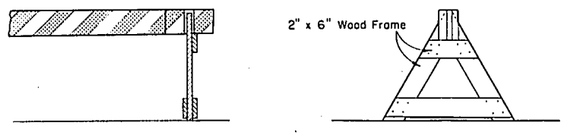
CLASS I BARRICADE



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:

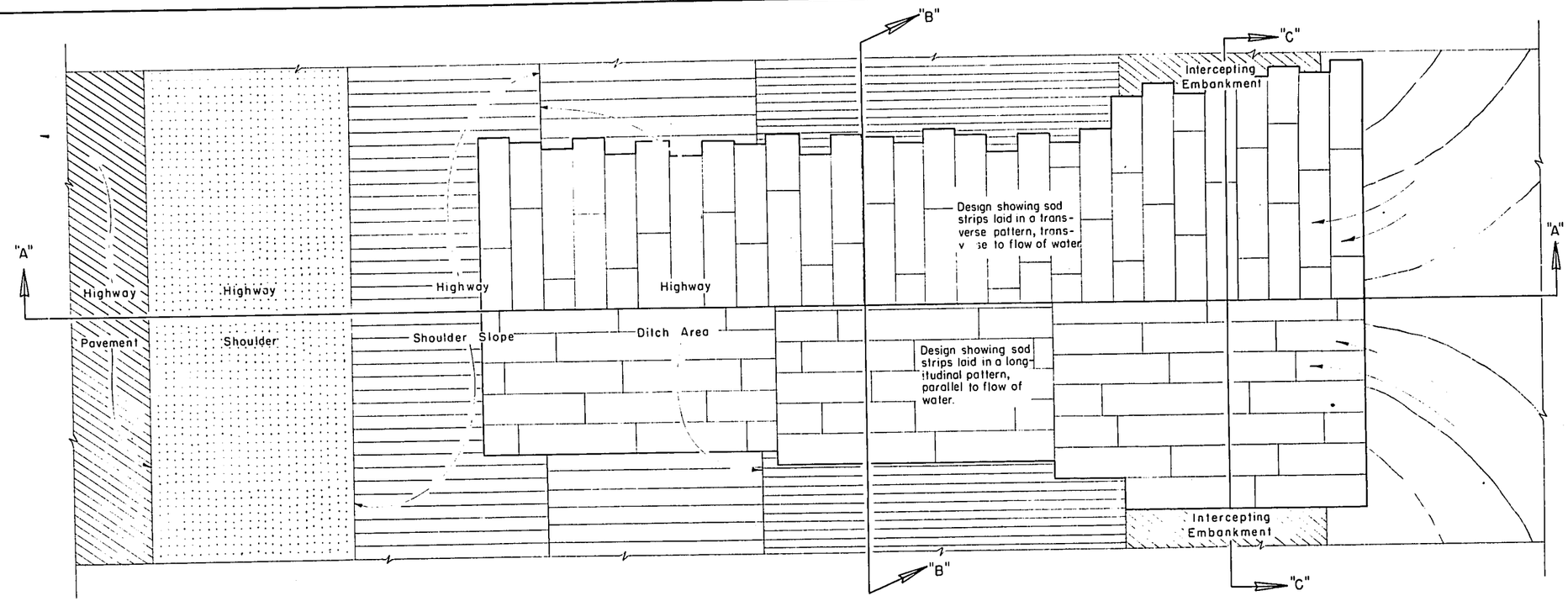
1-5-63 DATE — J. S. Pilt ENGINEER OF DESIGN

APPROVED:

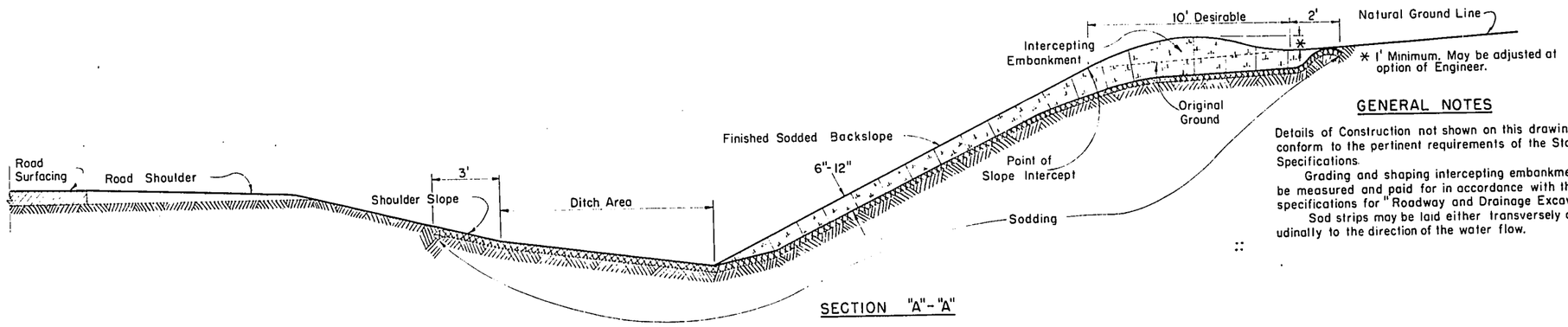
1-10-63 DATE — E. C. Rustigan STATE HIGHWAY ENGINEER

PLATE NO. 7-4.1.4

22.13-145



PLAN VIEW OF SODDED BACKSLOPE FLUME



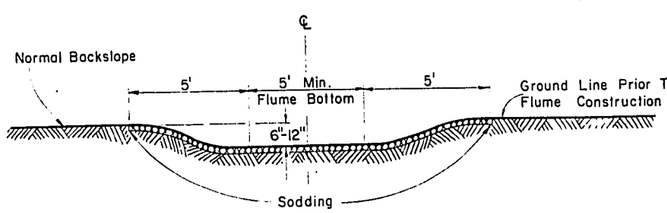
SECTION "A"-"A"

GENERAL NOTES

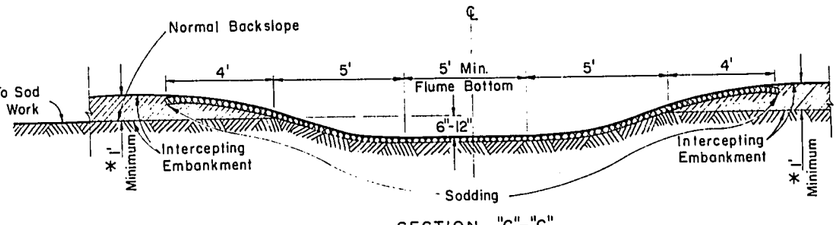
Details of Construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications.

Grading and shaping intercepting embankment will be measured and paid for in accordance with the standard specifications for "Roadway and Drainage Excavation".

Sod strips may be laid either transversely or longitudinally to the direction of the water flow.



SECTION "B"-"B"



SECTION "C"-"C"

NOTE: Dimensions shown may be adjusted at the option of the Engineer to fit local conditions.

SODDED BACKSLOPE FLUME & INTERCEPTING EMBANKMENT

STATE HIGHWAY COMMISSION OF WISCONSIN

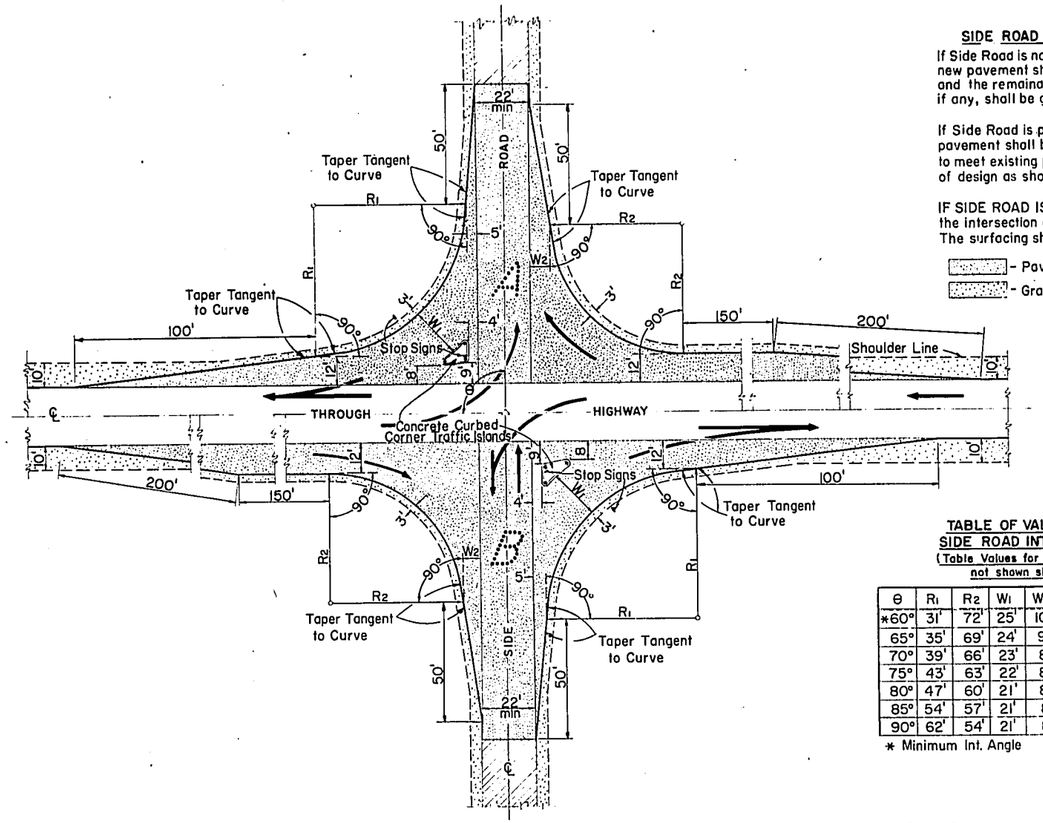
RECOMMENDED FOR APPROVAL:

2-5-63 DATE — J. L. Piff ENGINEER OF DESIGN

APPROVED:

2/6/63 DATE — C. L. Purtlyn STATE HIGHWAY ENGINEER

PLATE NO. 8-2.1.4



SIDE ROAD SURFACING NOTE

If Side Road is not presently surfaced, new pavement shall be placed as shown, and the remainder to construction limits, if any, shall be gravel or crushed stone surfaced.

If Side Road is presently paved, new pavement shall be placed only as necessay to meet existing pavement, and to limits of design as shown.

IF SIDE ROAD IS THE CONSTRUCTION PROJECT, the intersection geometrics remain as shown. The surfacing shall be same as for the project.

- Pavement
- Gravel or Crushed Stone

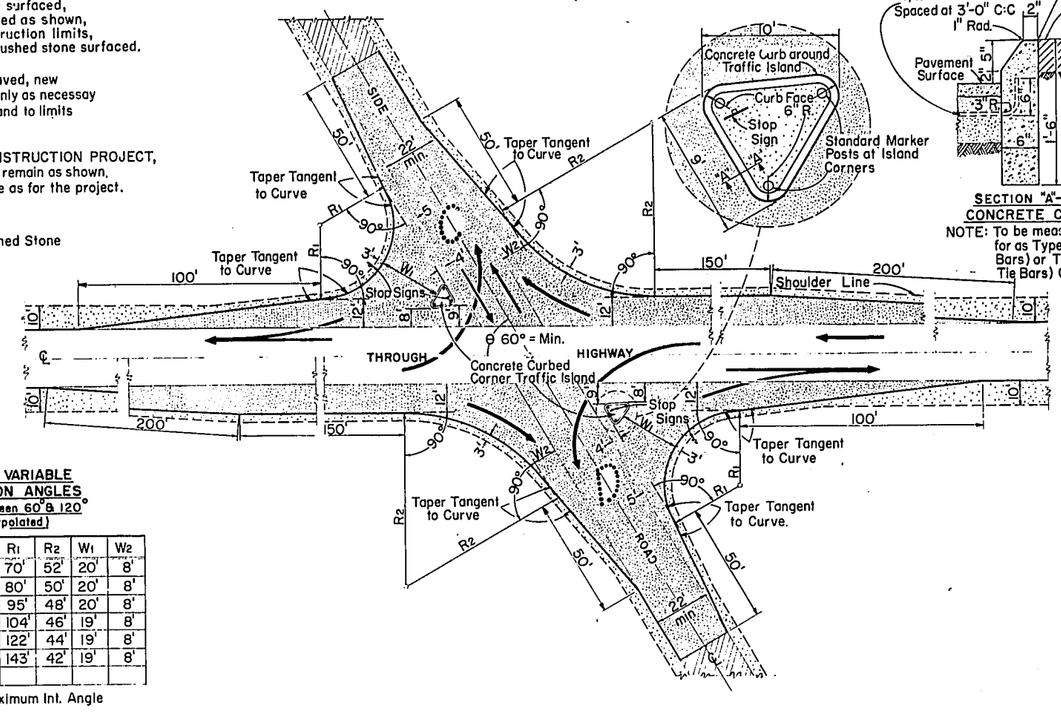
TABLE OF VALUES FOR VARIABLE SIDE ROAD INTERSECTION ANGLES
(Table Values for Angles between 60° & 120° not shown shall be interpolated)

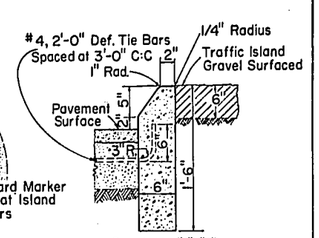
θ	R1	R2	W1	W2
*60°	31'	72'	25'	10'
65°	35'	69'	24'	9'
70°	39'	66'	23'	8'
75°	43'	63'	22'	8'
80°	47'	60'	21'	8'
85°	54'	57'	21'	8'
90°	62'	54'	21'	8'

* Minimum Int. Angle

θ	R1	R2	W1	W2
95°	70'	52'	20'	8'
100°	80'	50'	20'	8'
105°	95'	48'	20'	8'
110°	104'	46'	19'	8'
115°	122'	44'	19'	8'
*120°	143'	42'	19'	8'

* Maximum Int. Angle





SECTION "A"-"A" CONCRETE CURB

NOTE: To be measured and paid for as Type "G" (Including Tie Bars) or Type "J" (Excluding Tie Bars) Concrete Curb

MAJOR SIDE ROAD INTERSECTION DESIGN DETAILS

To be used only when current ADT on Through Highway is 1500 or over, and on Side Road is Over 200

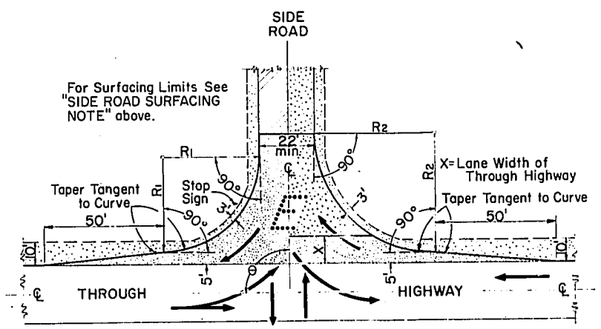


TABLE OF VALUES FOR VARIABLE SIDE ROAD INTERSECTION ANGLES
(Table Values for Angles between 60° & 120° not shown shall be interpolated)

θ	R1	R2
* 60°	40'	50'
65°	40'	50'
70°	40'	50'
75°	40'	50'
80°	40'	50'
85°	40'	50'
90°	40'	50'

* Minimum Int. Angle

θ	R1	R2
95°	45'	49'
100°	50'	48'
105°	55'	47'
110°	60'	46'
115°	65'	45'
**120°	70'	44'

** Maximum Int. Angle

MINOR SIDE ROAD INTERSECTION DESIGN DETAILS

To be used when current ADT on Through Highway is Less than 1500 or on Side Road is Less than 200

GENERAL NOTES

Designs "A" "B" "C" "D" or "E" may be used interchangeably in combination or separately for any one complete intersection depending upon Traffic Volume, Intersection angle and Surfacing of each approach roadway.

Details on this drawing are for Minimum Design Only, and not applicable to Special Conditions, as shown elsewhere on the plans.

DESIGN & LAYOUT DETAILS FOR SIDE ROAD AT GRADE INTERSECTIONS (RURAL IN CHARACTER)

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL

DATE: 2-5-63 — J. J. Pelt, ENGINEER OF DESIGN

APPROVED

DATE: 2/6/63 — E. C. Rostigan, STATE HIGHWAY ENGINEER

PLATE NO. 9-1.1.4

22.15-145

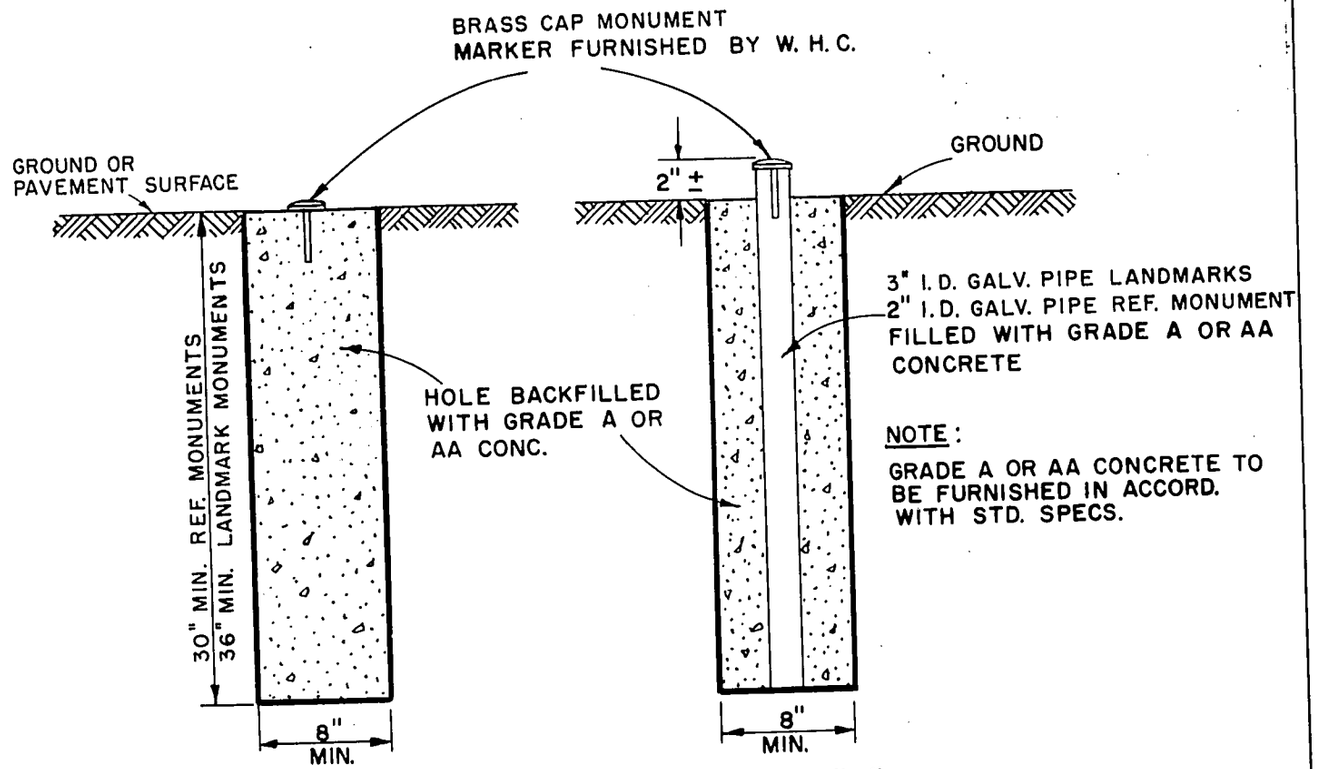
REF
E ¼ COR.
SEC + 35
T22N-R6W
69.7'N

T25N R17E

S23	S24
S26	S25

1961

REF
E ¼ COR.
+
S35T22NR6W
89.87'N.



TYPE "A"

TYPE "B"

BRASS MONUMENT MARKER

(FURNISHED TO CONTRACTOR WITHOUT COST.)

GENERAL NOTES

MONUMENT CONSTRUCTION SHOWN HEREON CONFORMS TO WISCONSIN STATUTES, SECTIONS 59.635 AND 60.37 BRASS MONUMENT MARKER TO BE FURNISHED AND PROPERLY STAMPED BY WIS. HIGHWAY COMM. UNLESS OTHERWISE SPECIFIED IN THE CONTRACT. MONUMENTS CONFORMING TO EITHER TYPE A OR TYPE B AS SHOWN HEREON TO BE PLACED WHERE AND AS DIRECTED BY THE ENGINEER.

MEASUREMENT AND PAYMENT-

LANDMARK REFERENCE MONUMENTS SHALL BE MEASURED AND PAID FOR AS COMPLETED UNITS IN PLACE, WHICH PRICE SHALL INCLUDE FURNISHING AND PLACING OF CONCRETE, PIPE, EXCAVATION AND DISPOSITION THEREOF, PLACEMENT OF BRASS MARKER AND SITE RESTORATION.

LANDMARK REFERENCE MONUMENTS

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

2-5-63
DATE

J. L. Pilf
ENGINEER OF DESIGN

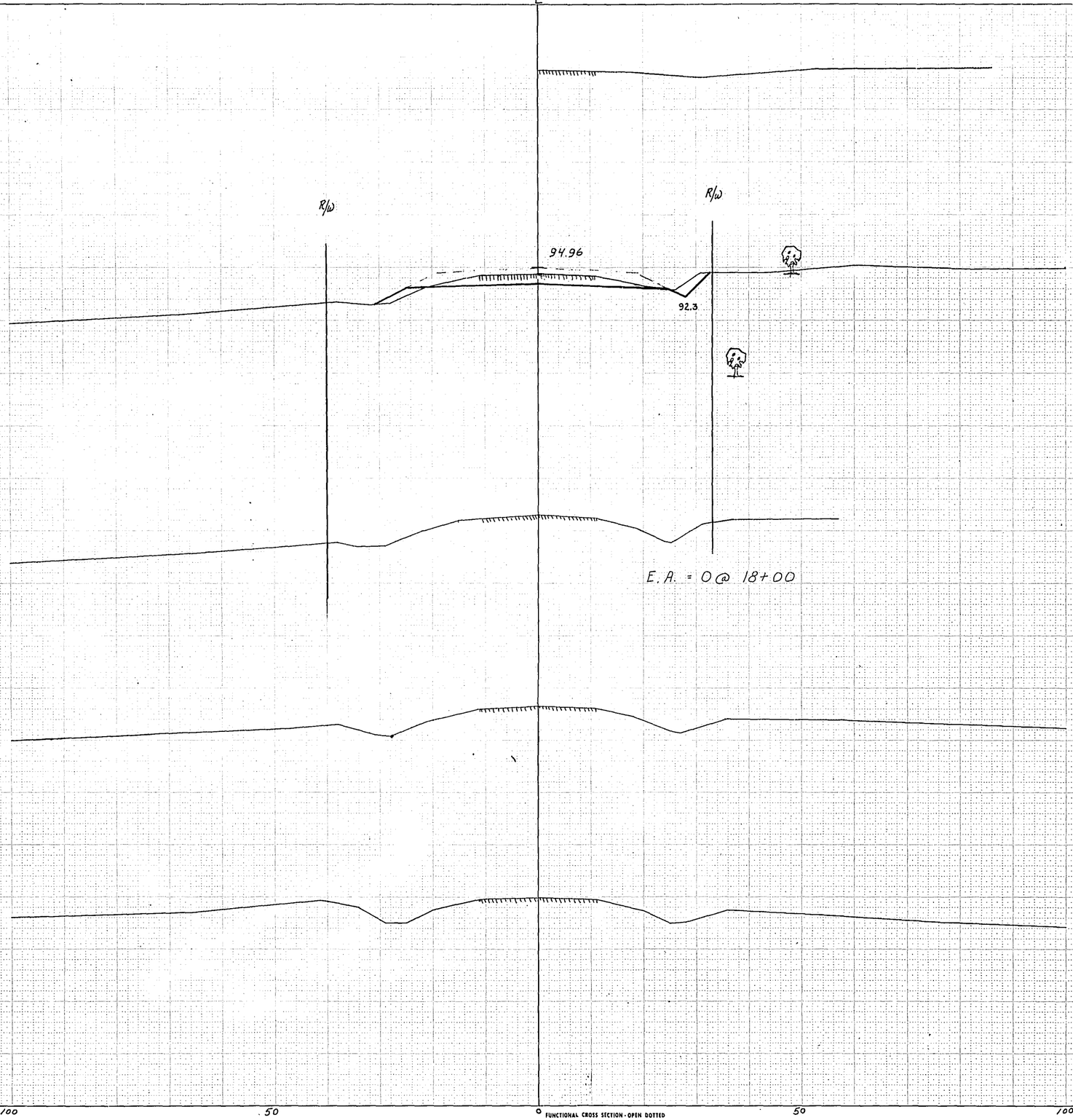
APPROVED:

2/6/63
DATE

E. C. Rostigan
STATE HIGHWAY ENGINEER

12-1.1.2

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	23	145



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
19+26 790 P.E. RT			
18		~~209~~ 59	~~38~~ 19
19			
19+00 790			
18+00 795			
17+00 795			
16+00 795			
SHEET TOTAL		209	38

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

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

16+00 - 19+26

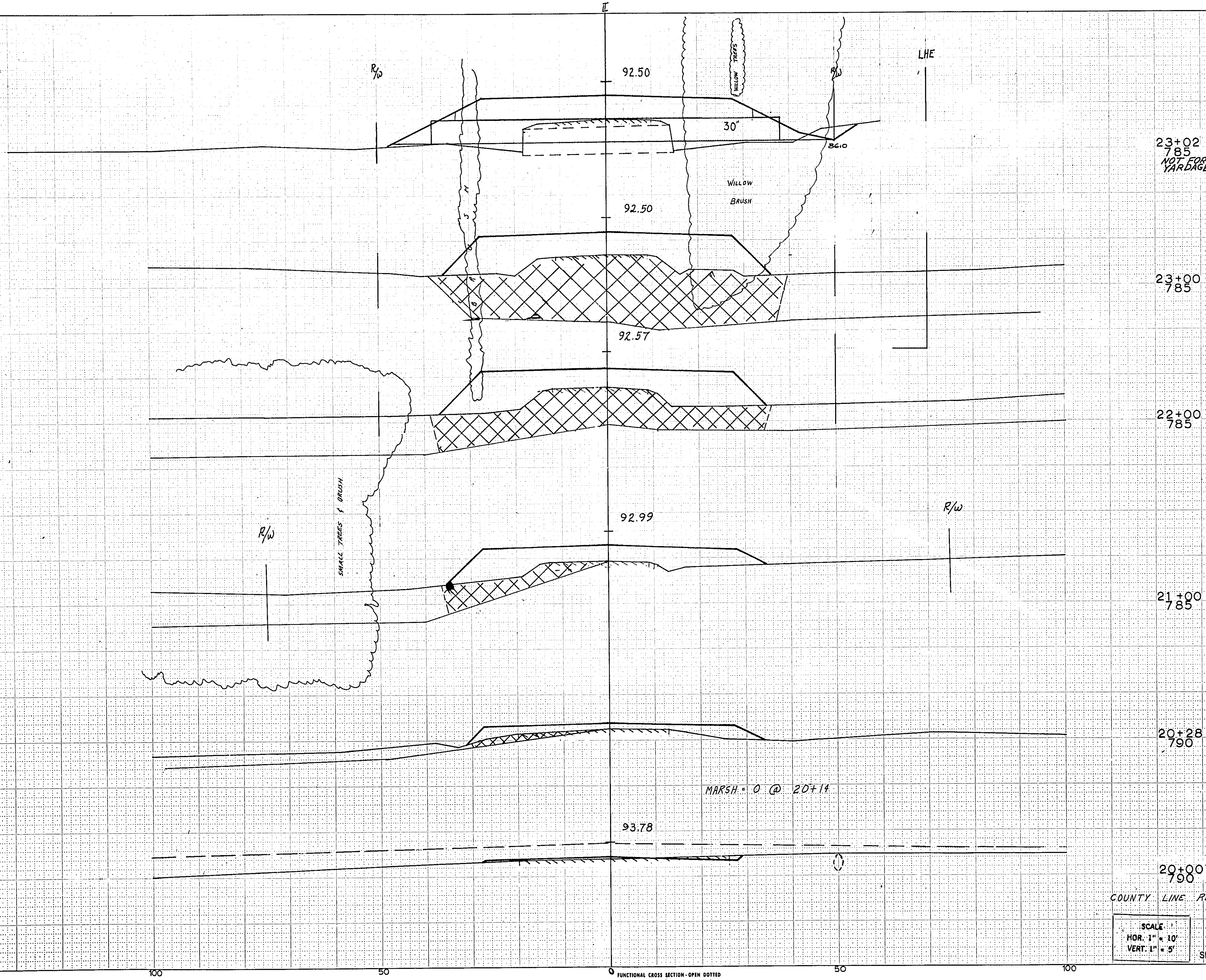
JUNCT | PLOTTED | TRACED | NOTE BOOK | AREAS | NO. | AREAS CHECKED

JUNCT | PLOTTED E. CAPTAIN 12-64 | TEMPLATE E. SHULTZ 12-64 | TRACED | NOTE BOOK | AREAS E.M. 12-65 | NO. L.L. | AREAS CHECKED

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	24	145

NOTE BOOK NO. TEMPLATE AREAS AREAS CHECKED

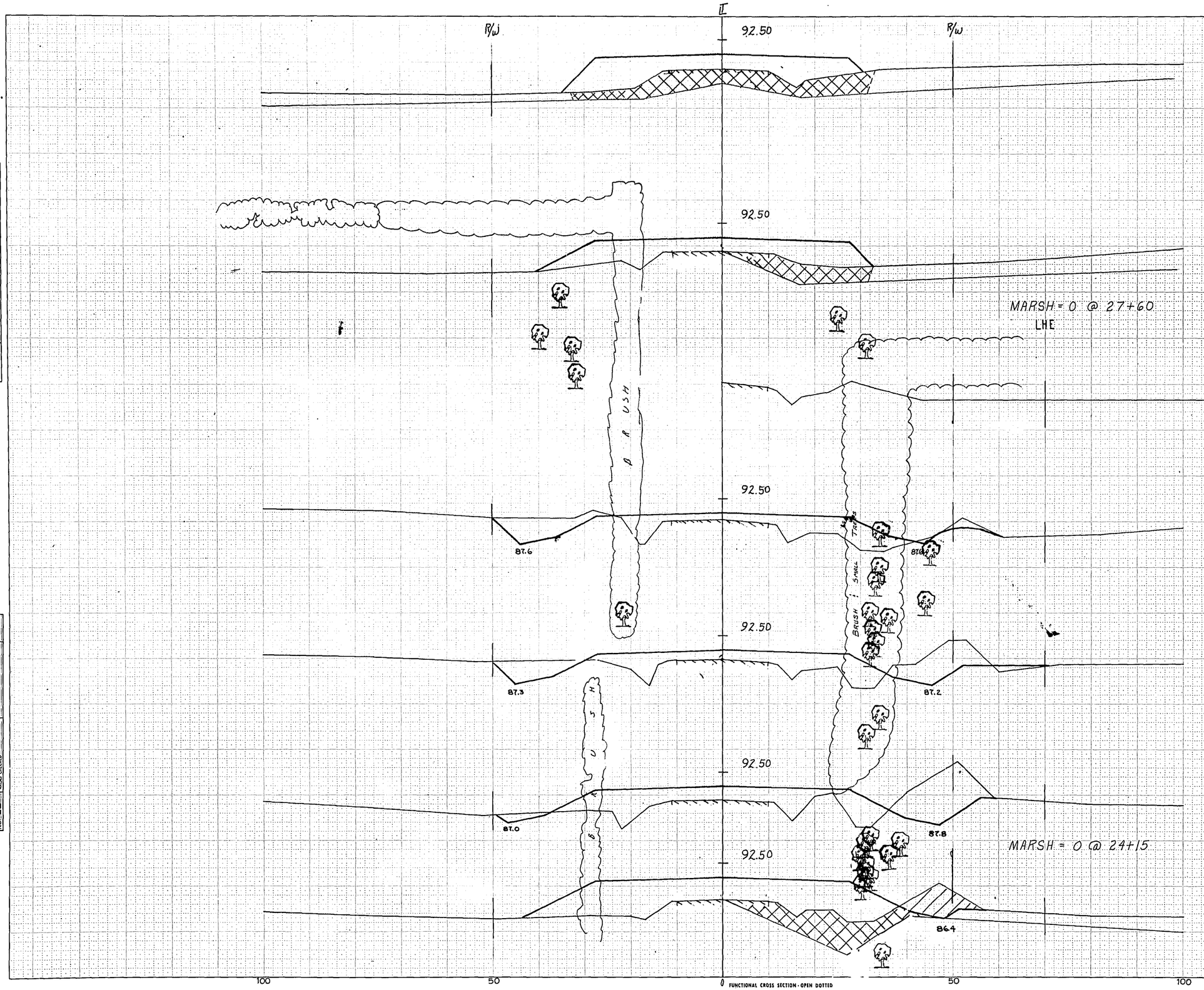
NOTE BOOK NO. LL TEMPLATE E. Shultz 10-64 AREAS LRM 2-65 AREAS CHECKED



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

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	Marsh		Marsh Fill	FILL
19						
		~~105~~ 69				~~28~~ 28
20						
		~~7~~ 3	~~4~~		4	~~94~~ 40
20+28						
		~~0~~ 1	~~102~~ 311		~~102~~	~~268~~ 287
21						
		~~0~~ 2	~~611~~ 852		~~611~~	~~660~~ 657
22						
		0	~~1346~~ 1046		~~1346~~	~~804~~ 800
23						
		COUNTY LINE RD.				
		~~124~~ 57				~~894~~
SHEET TOTAL		236	2063		2063	2698

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	25	145



STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS.	MARSH		MARSH FILL	FILL
23						
	67	0	1056 ~~1076~~		~~798~~	~~808~~ 833
24			125			
	233	~~153~~	~~33~~		~~32~~	~~448~~ 679
25						
	311	~~298~~				~~443~~ 452
26						
	233	~~219~~				~~378~~ 387
27			265			
	89	~~75~~	~~39~~		~~39~~	~~441~~ 496
28		0	1098 ~~306~~		~~306~~	~~534~~ 539
29						
					SHEET TOTAL	733 1454 1365 3252

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

100 50 0 50 100

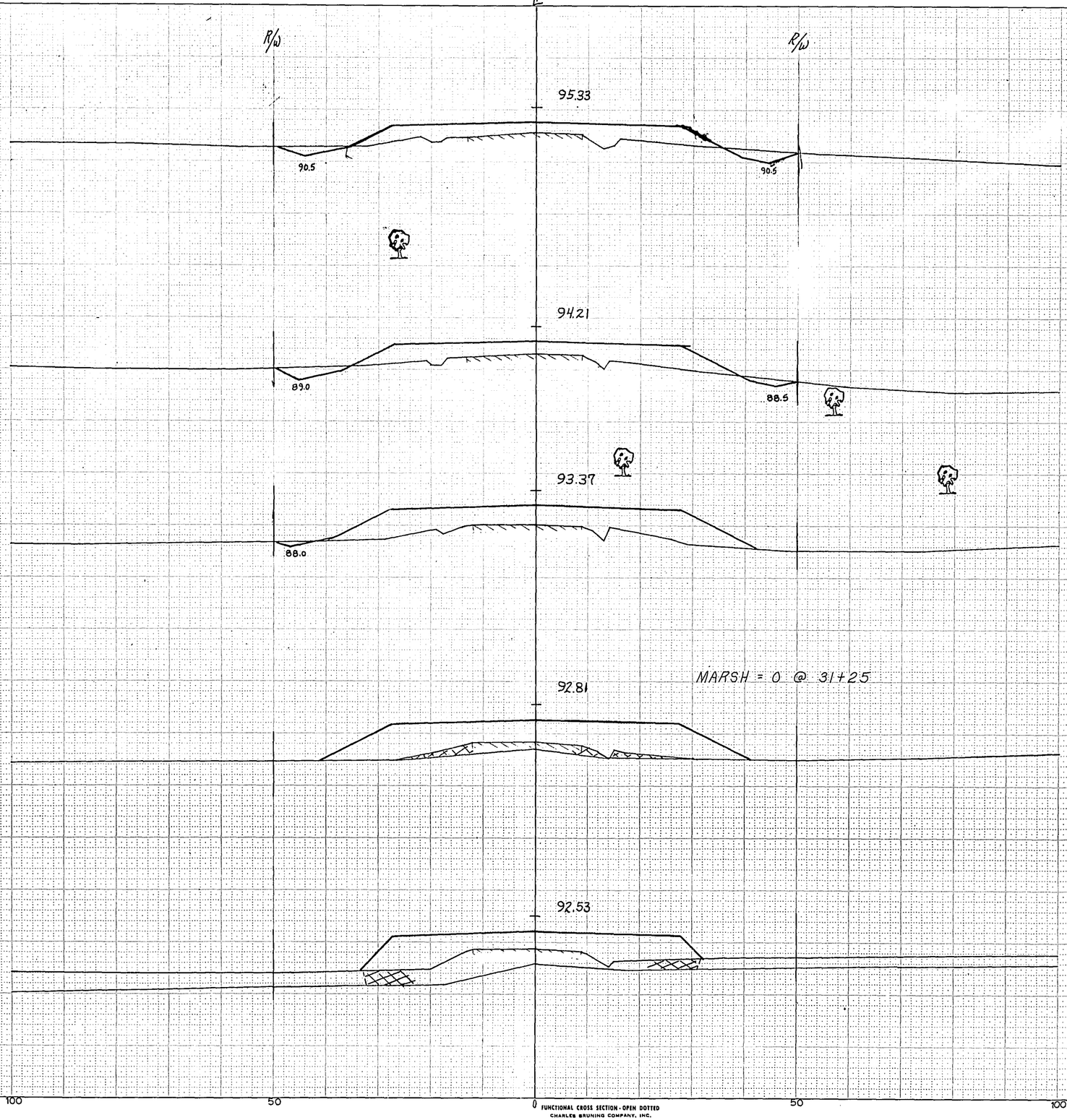
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

SURVEY PLOTTED / TEMPLATE AREAS / AREAS CHECKED
NOTE BOOK
NO. 66

INITIATED 7-64 PLOTTED E. Shultz 10-66 TEMPLATE I.B.M. 2-65 AREAS CHECKED

27+00 - 29+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	26	145



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

STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS.	EXCAVATION MARSH	EXCAVATION UNDER CUT	EXCAVATION MARSH FILL	FILL
34+00						
790						
	29					
		0	1222 ~~991~~		391	~~525~~ 533
	30					
		0	~~250~~ 1783		230	~~589~~ 591
	31					
		8	~~42~~ 1398	213	12	~~613~~ 650
	32					
33+00		~~38~~ 0				~~446~~ 533
790	33					
		~~57~~ 0		20		~~346~~ 407
	34					
32+00						
785						
31+00						
785						
30+00						
785						
SHEET TOTAL		88	633		633	2538

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

NOTE BOOK | TEMPATE | E. Shultz | 10-65
NO. 77 | AREAS | AREAS CHECKED | 2-65

NOTE BOOK | TEMPATE | 10-65
NO. | AREAS | AREAS CHECKED | 2-65

BPR REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	27	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE EXCAVATION UNDER CUT	YARDAGE FILL
39+00				
800				
34				
		~~70~~ 19	41	~~266~~ 300
35		~~139~~ ~~66~~ 100	48	~~189~~ 152
36		~~195~~ ~~186~~ 161	104	~~80~~ 76
37		~~151~~ ~~74~~ 133	131	~~77~~ 96
38		~~122~~ ~~57~~ 102	56	~~88~~ 109
39				
			*436	
38+00				
800				
37+00				
800				
36+00				
795				
35+10				
795				
P.E. Lt.				
35+00				
790				
P.E. Rt.				
SHEET TOTAL		~~677~~ 610		

*33+00 - 37+00

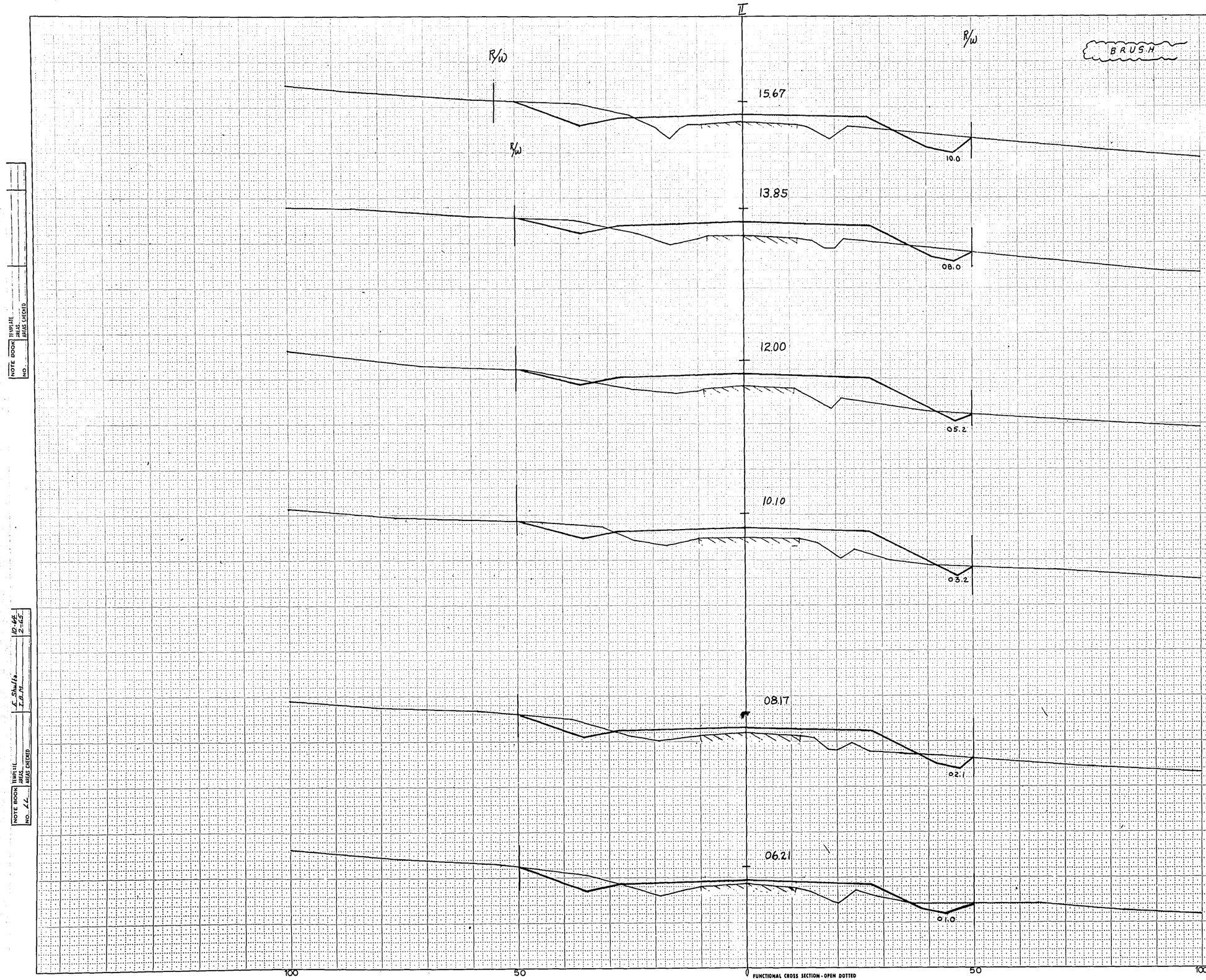
35+00 - 39+00

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

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

NOTE BOOK NO. 44 | PLOTTED J.K. | TEMPLATE | AREAS | AREAS CHECKED | J. KEHLS & E. WILLIAMS 10-65 E. Shultz 2-66 J.B.M.

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	28	145



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

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
39		~~417~~ ~~37~~ 89	~~135~~ 148
40		~~105~~ ~~53~~ 85	~~220~~ ~~227~~ 244
41		~~91~~ ~~50~~ 81	~~316~~ 337
42		~~54~~ ~~30~~ 44	~~412~~ ~~412~~ 491
43		~~50~~ ~~25~~ 24	~~414~~ ~~413~~ 441
44		~~131~~ ~~69~~ 87	~~283~~ 313
45			

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL ~~556~~ ~~339~~ 1796

40+00 - 45+00

NOTE BOOK TEMPLATE AREAS AREAS CHECKED
NO. 22

E. Shultis 12-66
Z.D.M. 2-67

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	29	145

SURVEY — PLOTTED: E.F. — J. KRAUS; NOTE BOOK: TEMPLATE: L. SMITH; NO.: AREAS: 1.044; AREAS CHECKED: D. WHITMAN — 7-64; 10-66; 2-65

℄

R/W

22.49

14.4

20.85

14.0

R/W

19.17

13.0

17.44

11.5

STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS	UNDER CUT	FILL
45				
		~~275~~ ~~180~~ 185		~~100~~ 202
46		~~337~~ ~~127~~ 213	22	~~191~~ 211
47		~~180~~ ~~80~~ 141	44	~~371~~ 378
48		~~33~~ ~~15~~ 43	39	~~640~~ ~~568~~ 652
49				
		RIVER AVE. 0		0
		825 ~~333~~		1382 ~~1407~~

49+00 815

48+00 815

47+00 815

46+27 815 PROFILE RIVER AVE.

46+00 815

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL

100 50 0 50 100

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

46+00 - 49+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	30	145

R/W

28.99

3:1

R/W

53+00
820

27.37

3:1

52+00
820

25.74

2½:1

16.0

51+00
820

24.12

2½:1

14.8

50+00
820

STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS.	YARDAGE EXCAVATION UNDER CUT	YARDAGE FILL
49				
		~~6~~ 2	50	~~960~~ ~~1023~~ 998
50				
		~~6~~ 2	67	~~1302~~ ~~1367~~ 1344
51				
		~~5~~ 0	56	~~1654~~ ~~1687~~ 1631
52				
		0	22	~~1916~~ ~~1858~~ 1896
53				

100 50 0 50 100

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

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

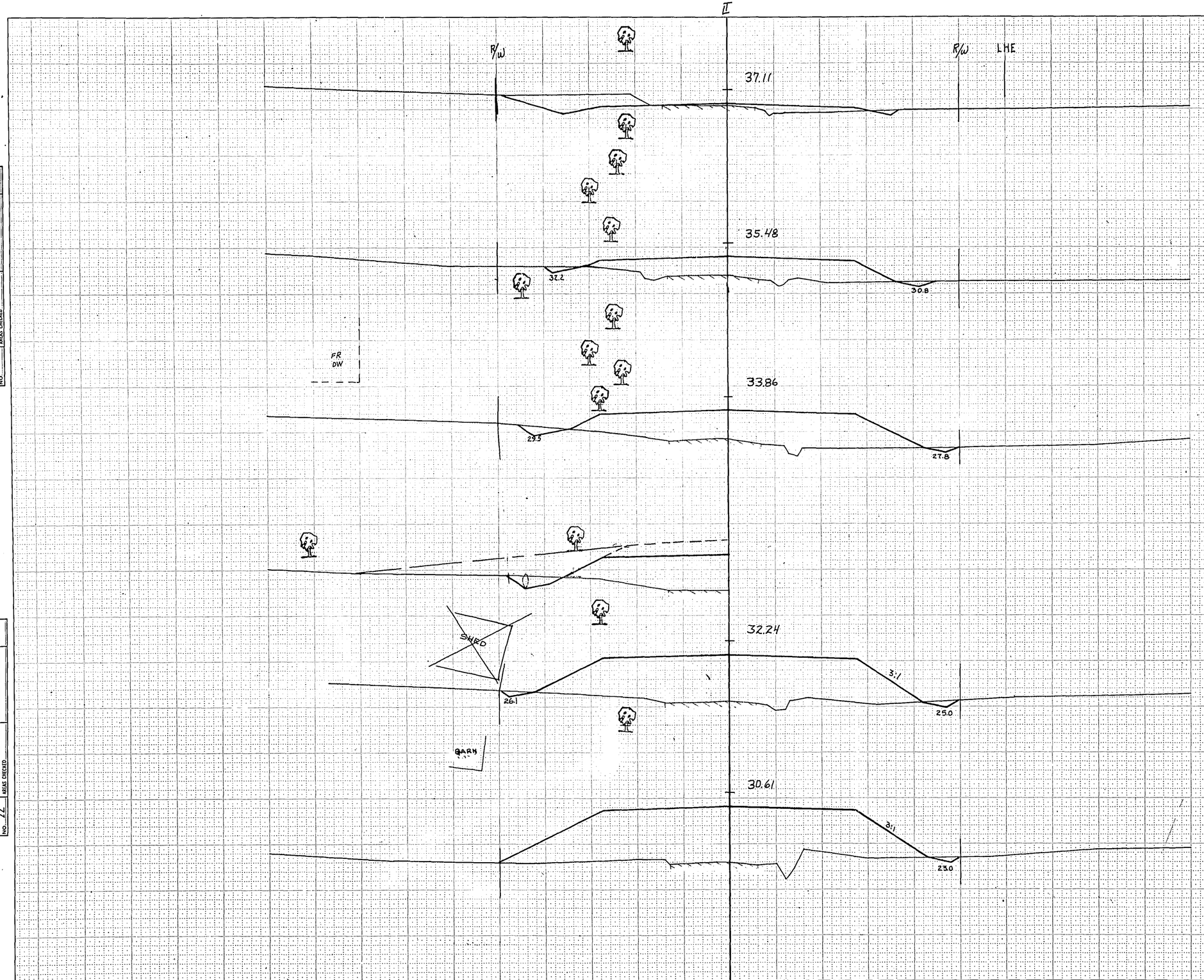
SHEET TOTAL 14

~~5832~~ 5929

NOTE BOOK | TEMPAIL | AREAS CHECKED | NO.

NOTE BOOK | TEMPAIL | AREAS CHECKED | NO. 77 | 2-SHEETS | L.B.M. | 10-66 | 2-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	31	145



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
53		~~3~~ ~~19~~ 2 0	~~1768~~ ~~1228~~ 1776
54		~~12~~ ~~4~~ 0	~~1406~~ 1509
55		~~23~~ ~~16~~ 6	~~1084~~ 1096
56		~~26~~ ~~19~~ 11	~~617~~ 639
57		~~91~~ ~~72~~ 83	~~254~~ 267
58			

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 155 111 5068 5146

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

QUANTITY NOTE BOOK NO. 44 | PLOTTED J. D. WILLIAMS | TEMPLATE J. KRAUS | AREAS L. SHULTZ | AREAS CHECKED L.B.M.

STA.	10+65
TO STA.	2+65

54+00 - 58+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	32	145

STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS.	FILL
58		~~590~~ ~~552~~ 557	~~33~~ 35
59		~~1433~~ ~~1386~~ 1309	0
60		~~1913~~ ~~1884~~ 1781	0
61		~~1928~~ 1907	0
62			

62+00
845

61+70
845
P.E.

61+00
845

60+40
840
P.E. LT

60+00
845

59+00
840

R/W

R/W LHE

41.36

41.02

40.14

38.73

G

S

B

A

B

100 50 0 50 100

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL ~~5844~~ ~~5730~~ 33

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

59+00 - 62+00

NOTE BOOK
NO.
TEMPLATE AREAS
AREAS CHECKED

E. Stahl 10-65
E.R.M. 2-66

S.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	33	145

SURVEY — PLOTTED — NOTE BOOK — TEMPLATE — NO. — AREAS — AREAS CHECKED

	K. Kealy	7-64
	D. Whitham	10-64
	E. Shultz	2-65
	1844	

R/W

38.79

WORKING

R/W

65+00
840

64+54
840
PE

64+00
840

BARN

40.45

STONE SHED FOUNDATION

LHE

41.18

63+00
840

FR. DW.

100 50 0 50 100

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

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
62		~~1510~~ ~~1451~~ 1546	0
63		~~925~~ ~~774~~ 869	0
64		~~538~~ ~~529~~ 591	~~14~~ 9
65			

SHEET TOTAL ~~2813~~ ~~2754~~ 14

63+00 - 65+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	34	145

NOTE BOOK | TEMPLATE | AREAS | AREAS CHECKED | NO.

L. Schultz | 10-6-65
I.B.M. | 2-25-

℄

R/W

29.08

R/W

69+00
825

32.25

68+00
825

35.09

B R U S H

67+00
830

37.42

66+00
835
P.E. LT.

HOUSE

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

100 50 0 50 100

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

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
65			
		~~562~~ 593	~~44~~ 9
66			
		~~344~~ 359	~~139~~ 144
67			
		~~83~~ 107	~~698~~ 707
68			
		~~76~~ 28	~~1109~~ 1135
69			

SHEET TOTAL 1005 1960

BPR REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	35	145

STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS.	YARDAGE FILL
69			
		0	~~1087~~ 1087
70			
		0	~~950~~ 956
71			
		0	~~890~~ 919
72			
		0	~~744~~ 769
72+73			

17.25

R/W

72+73
8.10

19.56

R/W

72+00
8.15

22.73

R/W

71+00
820

25.91

70+00
820

FR
DW

69+55
825
PE

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 0 3659

100 50 0 50 100

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

69+55 - 72+73

QUANTS | PLOTTED
NOTE BOOK | TEMPLATE
NO. | AREAS
AREAS CHECKED

QUANTS | PLOTTED K. KRAUS
NOTE BOOK | TEMPLATE E. Shultz
NO. | AREAS T.A.H.
AREAS CHECKED

254
12-64
255

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	36	145

R/W

R/W

13.22

15.69

BRUSH & SMALL TREES

74+30
810
P.C.

74+00
805

73+22
810

72+97
810
PROFILE
KELSEY AVE.

STATION	DISTANCE	YARDAGE EXCAVATION	YARDAGE FILL
72			
73			
	0		~~519~~ 521
73			
22	0		~~700~~ 701
74			
		KELSEY AVE	
	47		~~394~~ 109

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 91 1609

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

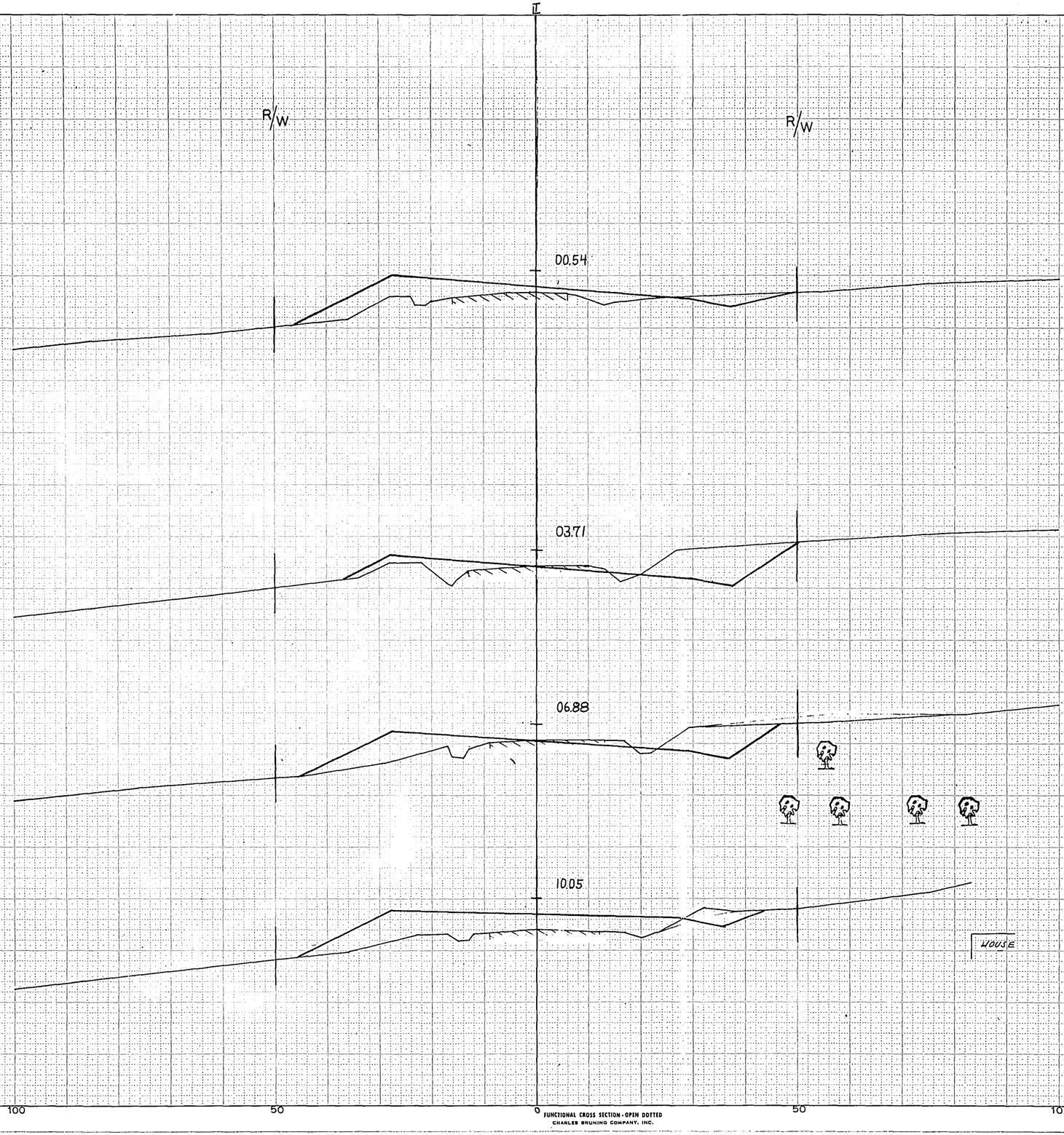
NOTE BOOK
NO.
TEMPLATE
AREAS
AREAS CHECKED

NOTE BOOK
NO. 44
TEMPLATE 10-14-65
AREAS C. Shultis
AREAS CHECKED T.B.H.

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	37	145

SURVEY NOTE BOOK NO. 77 | PLOTTED BY K. Travis | TEMPLATE K. Travis | AREAS E. Shultz | AREAS CHECKED T.J.M.

PLOTTED 7-67 | TEMPLATE 10-67 | AREAS 2-68



STATION	DISTANCE	EXCAVATION Unclass.	YARDAGE FILL
74			
		~~23~~ 39	~~628~~ 631
75			
		~~111~~ 117	~~341~~ 352
76			
78+00	795	~~216~~ 198	~~176~~ 183
77		~~152~~ 159	213
78			
77+00	805		
76+00	805		
75+00	805		

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 502 1358

100 50 0 50 100

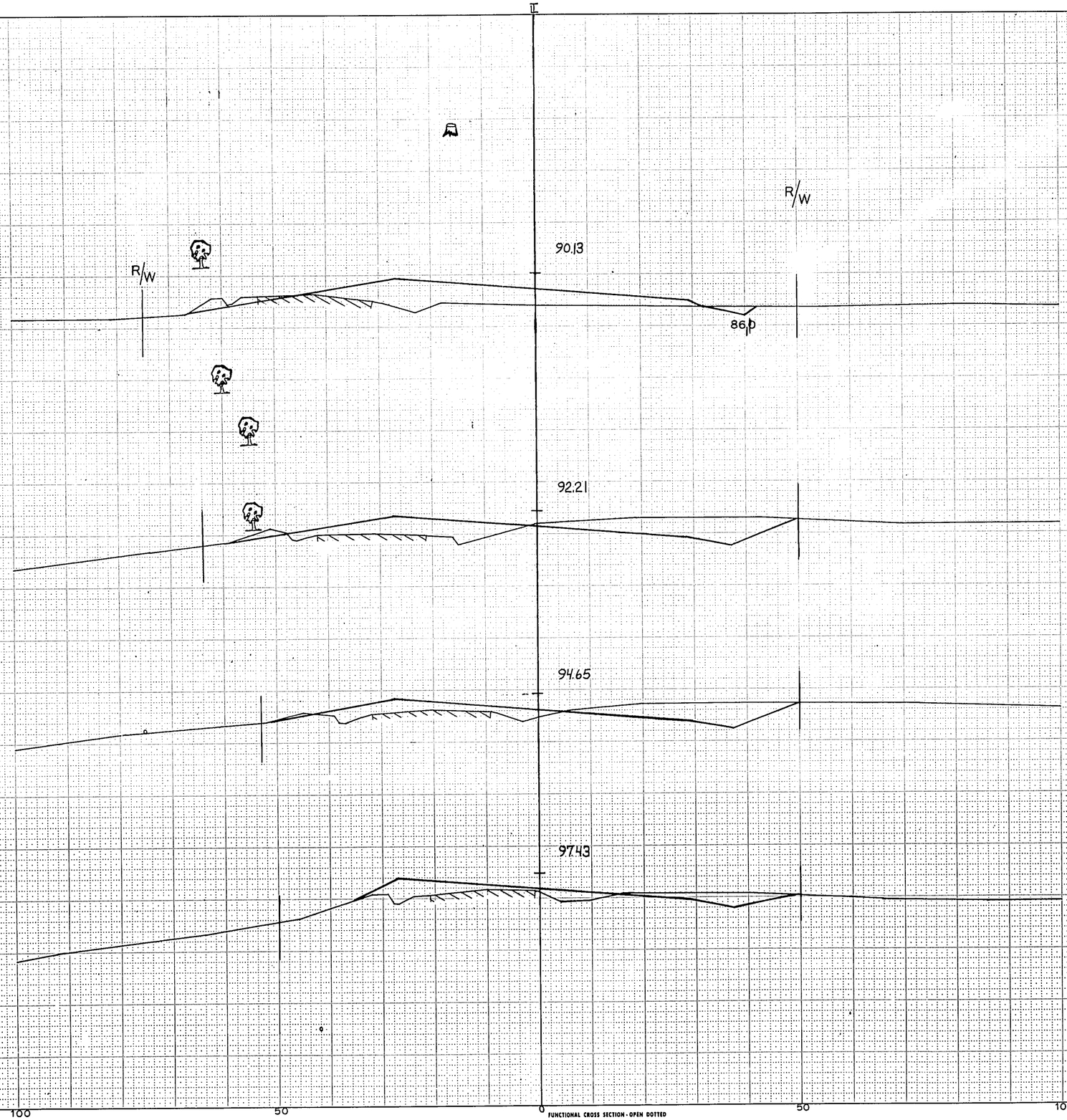
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

75+00 — 78+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	38	145

NOTE BOOK NO. 44 | TEMPLATE AREAS | AREAS CHECKED

E. Smith 12-6-64
J.B.M. 2-65



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
78		~~74~~ ~~67~~ 96	~~223~~ 224
79		~~159~~ ~~199~~ 154	~~45~~ 143
80		~~251~~ ~~236~~ 248	~~184~~ ~~177~~ 170
81		~~179~~ 170	~~303~~ ~~292~~ 302
82			
		663 ~~826~~	859 ~~845~~

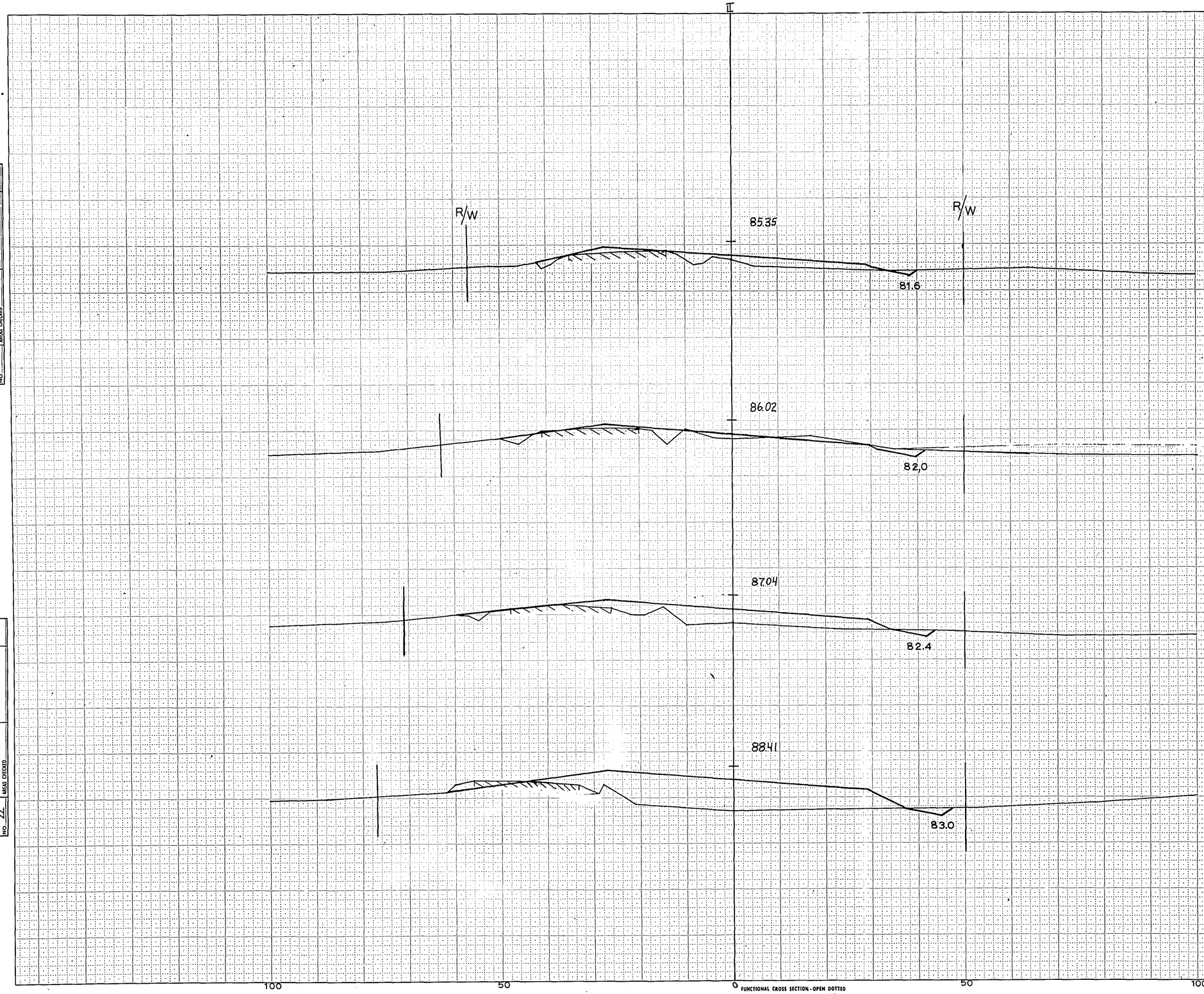
SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL

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

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	39	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
82		~~55~~ 33	~~544~~ 561
83		~~36~~ 20	~~476~~ 507
84		~~32~~ 30	~~496~~ 183
85		~~27~~ 28	~~106~~ 120
86			



SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 158 1320

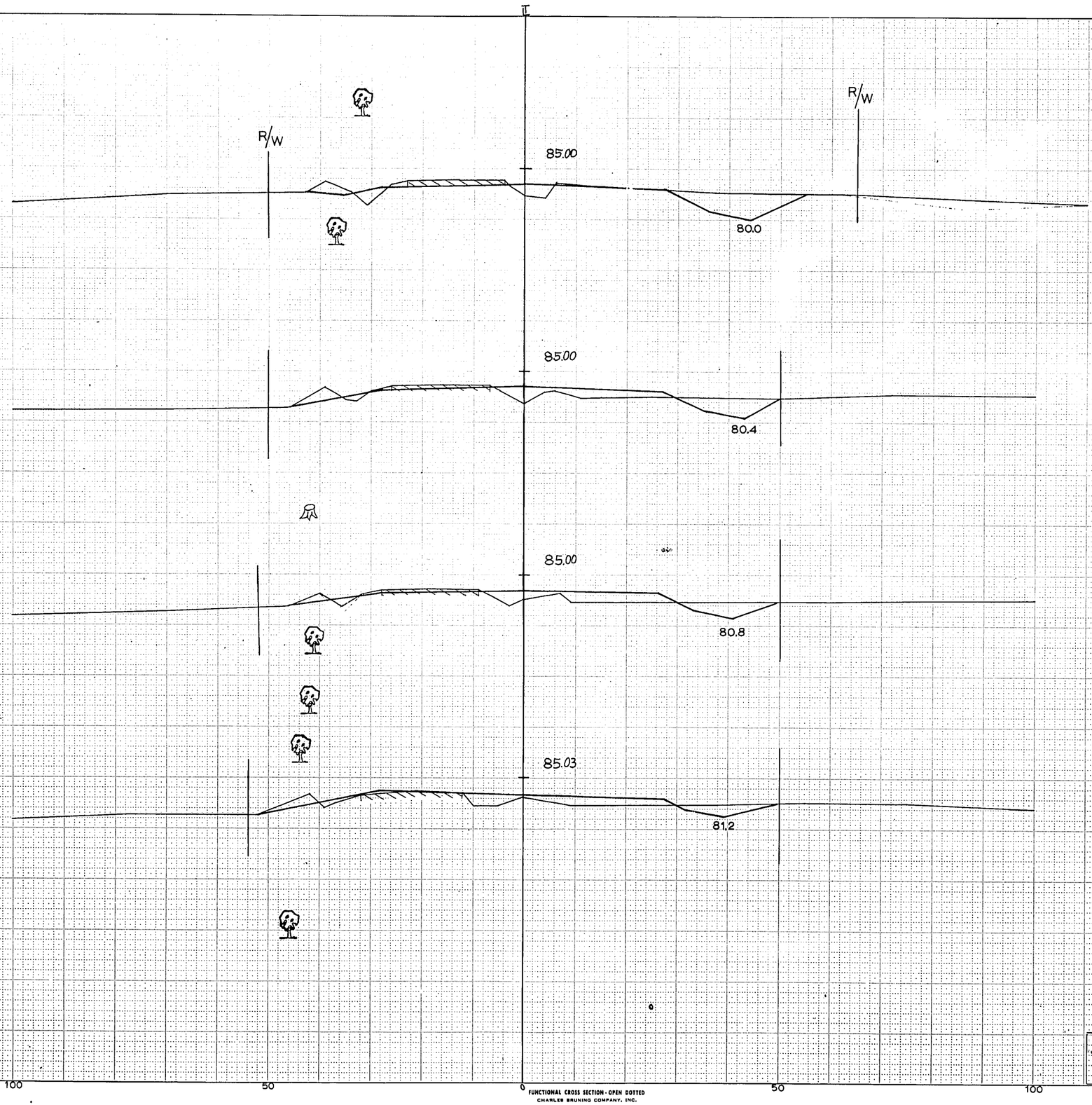
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

83+00 - 86+00

JOINT | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED
NOTE BOOK
NO. 44

PLOTTED BY K. KROSCHEL & A. OKUBEK 12-64
TEMPLATE E.S.L./L 2-65
AREAS I.B.D.
AREAS CHECKED

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	40	145



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
86		~~40~~ ~~39~~ 96	~~194~~ 193
87		~~86~~ ~~75~~ 89	~~116~~ 111
88		~~128~~ 107	~~102~~ 106
89		~~195~~ ~~187~~ 159	~~69~~ 76
90			
		SHEET TOTAL	~~449~~ ~~367~~ 421

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

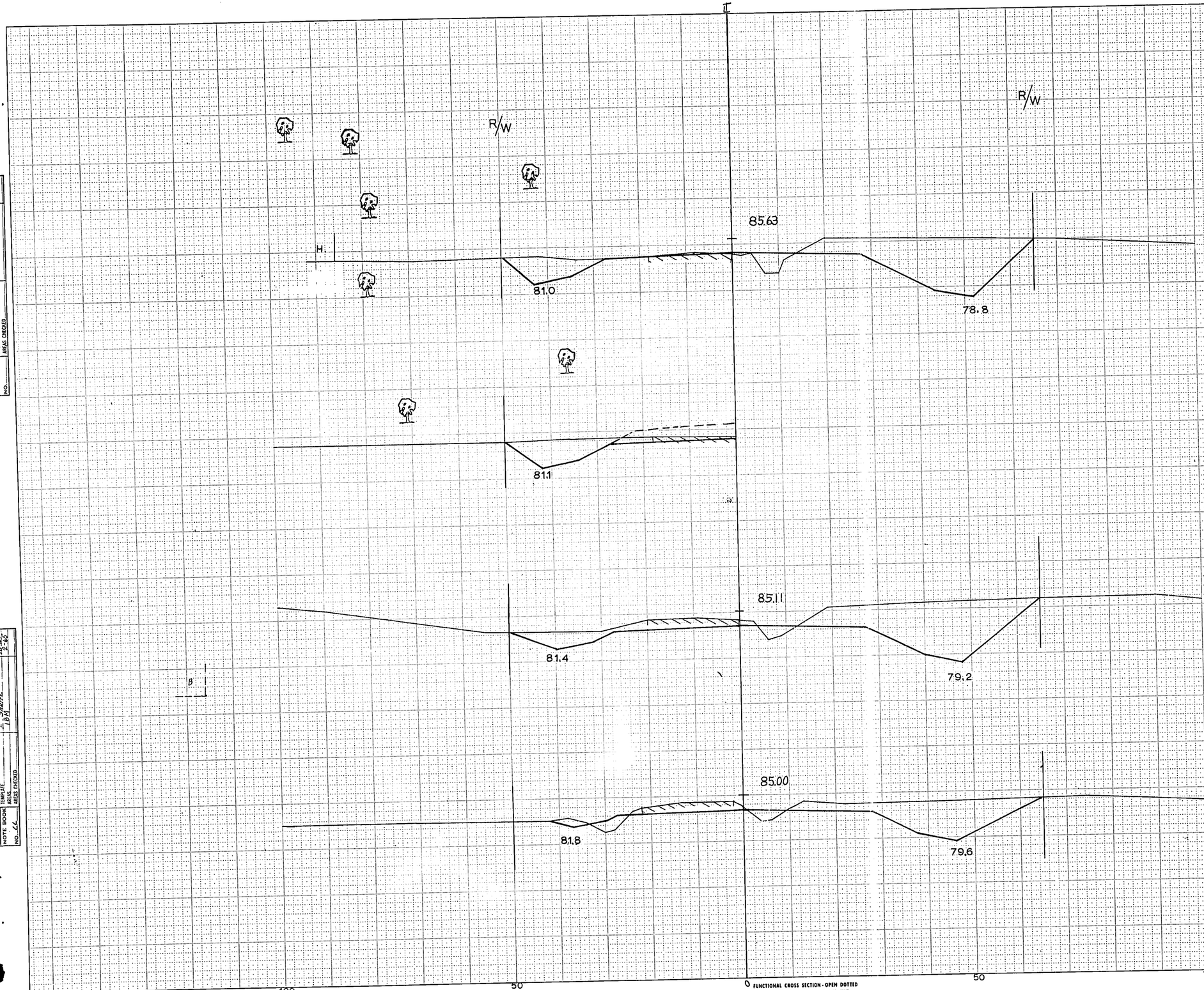
100 50 0 50 100

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

NOTE BOOK | LUMP SUM ITEMS | AREAS CHECKED
NO. 44 | E. SMITH | 10-64 | 2-65

NOTE BOOK | LUMP SUM ITEMS | AREAS CHECKED
NO. | | |

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	41	145



STATION	DISTANCE	YARDAGE EXCAVATION Unclass	YARDAGE FILL
90		~~371~~ ~~338~~ 285	~~47~~ 54
91		~~682~~ 498	~~38~~ 41
92		~~517~~ ~~809~~ 550	~~36~~ 37
93			
93+00	785		
92+72	785 PE		
92+00	785		
91+00	785		
SHEET TOTAL		~~1870~~ ~~1249~~	121

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

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

91+00 — 93+00

SURVEY NOTE BOOK NO. 66 | MONTH PLOTTED TEMPLATE AREAS AREAS CHECKED

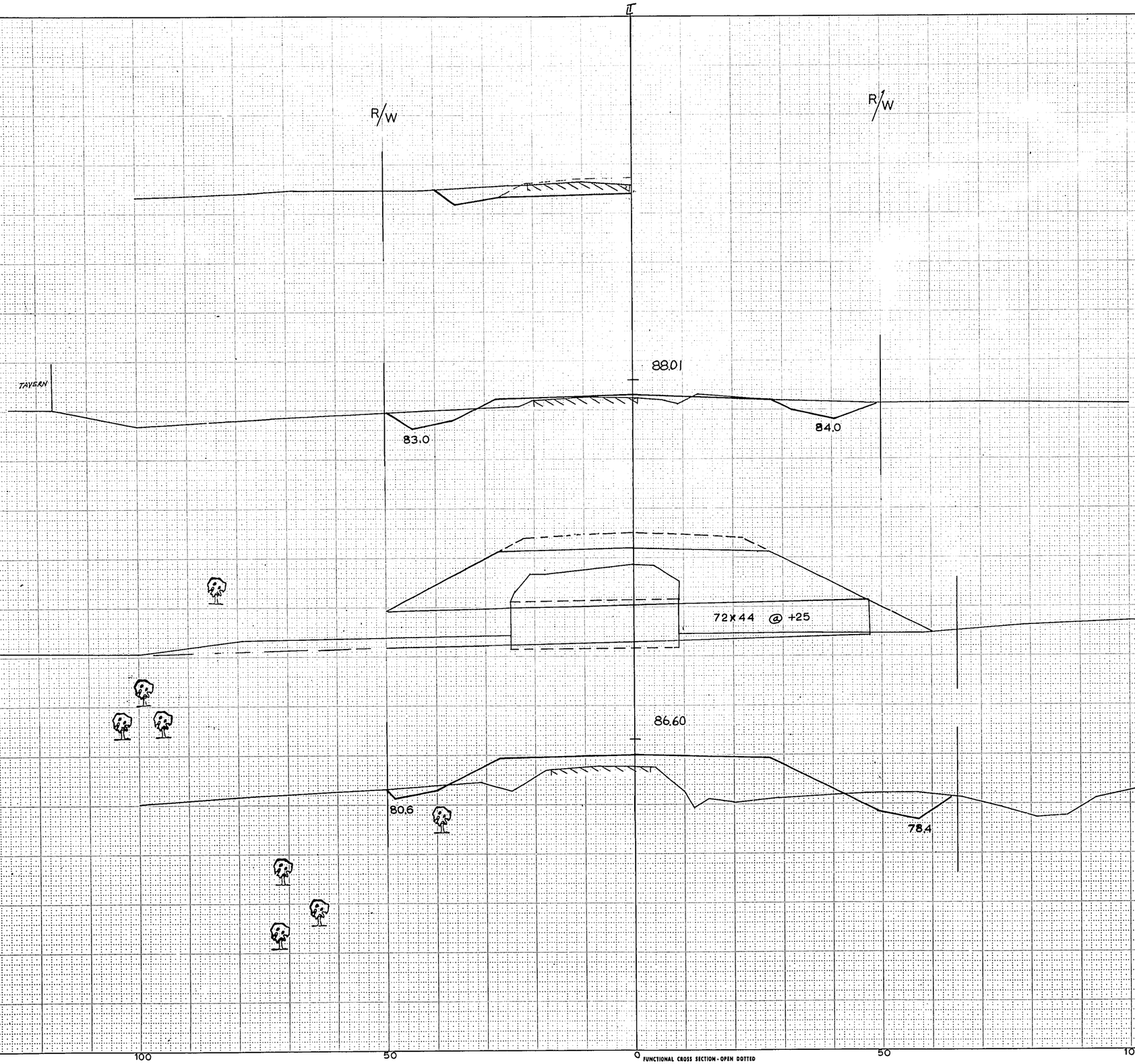
β

SURVEY NOTE BOOK 184 | MONTH PLOTTED TEMPLATE AREAS AREAS CHECKED | 1-7-66 | 1-14-66 | 2-1-66

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	42	145

NOTE BOOK ____ TURF AREAS ____ AREAS CHECKED ____ NO. ____

NOTE BOOK 44 TURF AREAS 2-65 AREAS CHECKED 2-65 NO. 104



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
93			
	472	472	~~863~~
	261	261	400
94			
	~~472~~	~~472~~	~~363~~
	161	161	376
95			

95+39
785
P.E.

95+00
785

94+32
780
DRAINAGE NOT FOR YARDAGE

94+00
780

100 50 0 50 100

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

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 644 726

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	43	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
95		~~460~~	~~23~~
		~~449~~ 552	0
96		~~635~~	
		~~628~~ 672	0
97		~~651~~	
		663	0
98			

SURVEY | PLOTTED: R. FROST & R. BUREŠKI | 12-64
NOTE BOOK | TRACE: [illegible] | 2-65
NO. 44 | AREAS: [illegible]
AREAS CHECKED

R/W
92.61
91.32
89.76
R/W
CABIN
HOUSE
98+00
795
97+00
790
96+00
790
95+65
790
P.E.
100
50
0
50
100
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

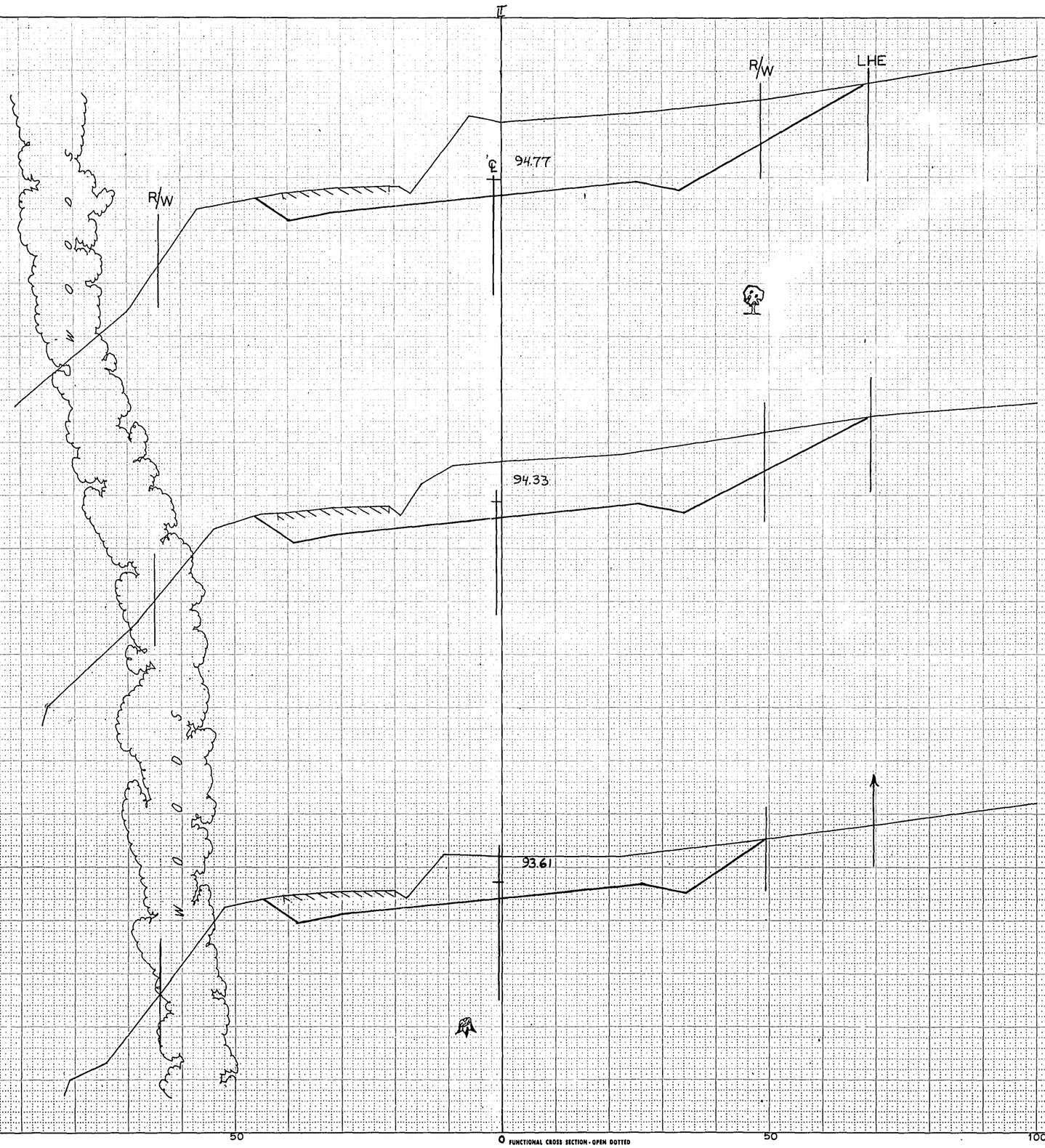
SHEET TOTAL ~~1752~~ 1752 23

95+65 - 98+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	44	145

NOTE BOOK | TEMPLATE | AREAS | AREAS CHECKED | NO.

NOTE BOOK | L.M.MAN | AREAS | AREAS CHECKED | NO. 77 | L.DAVIES | L.B.M. | SHEET 2-65



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE EXCAVATION UNDER CUT	YARDAGE FILL
98				
		~~874~~ 919	81	0
99		~~1300~~ ~~1243~~ 1293		0
100		~~1761~~ ~~1660~~ 1752		0
101				
101+00	790			
100+00	790			
99+00	790			
SHEET TOTAL		~~3935~~ ~~3774~~		0

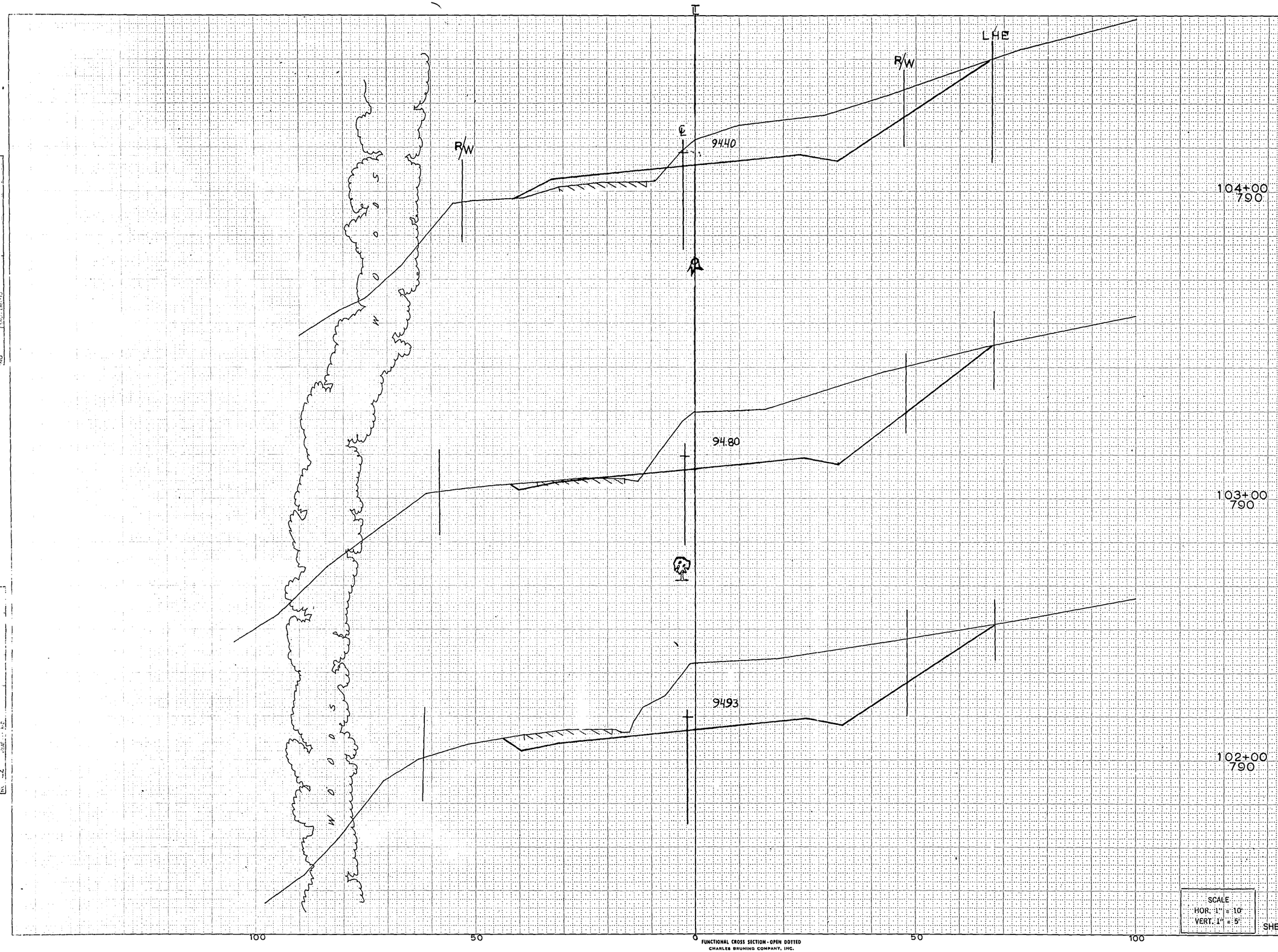
SCALE
HOR. 1" = 10'
VERT. 1" = 5'

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

98+00 - 101+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	45	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass	FILL
101			
	~~1500~~ 1881		0
102			
	~~1757~~ 1650		~~5~~ 6
103			
	~~1266~~ 1165		63
104			

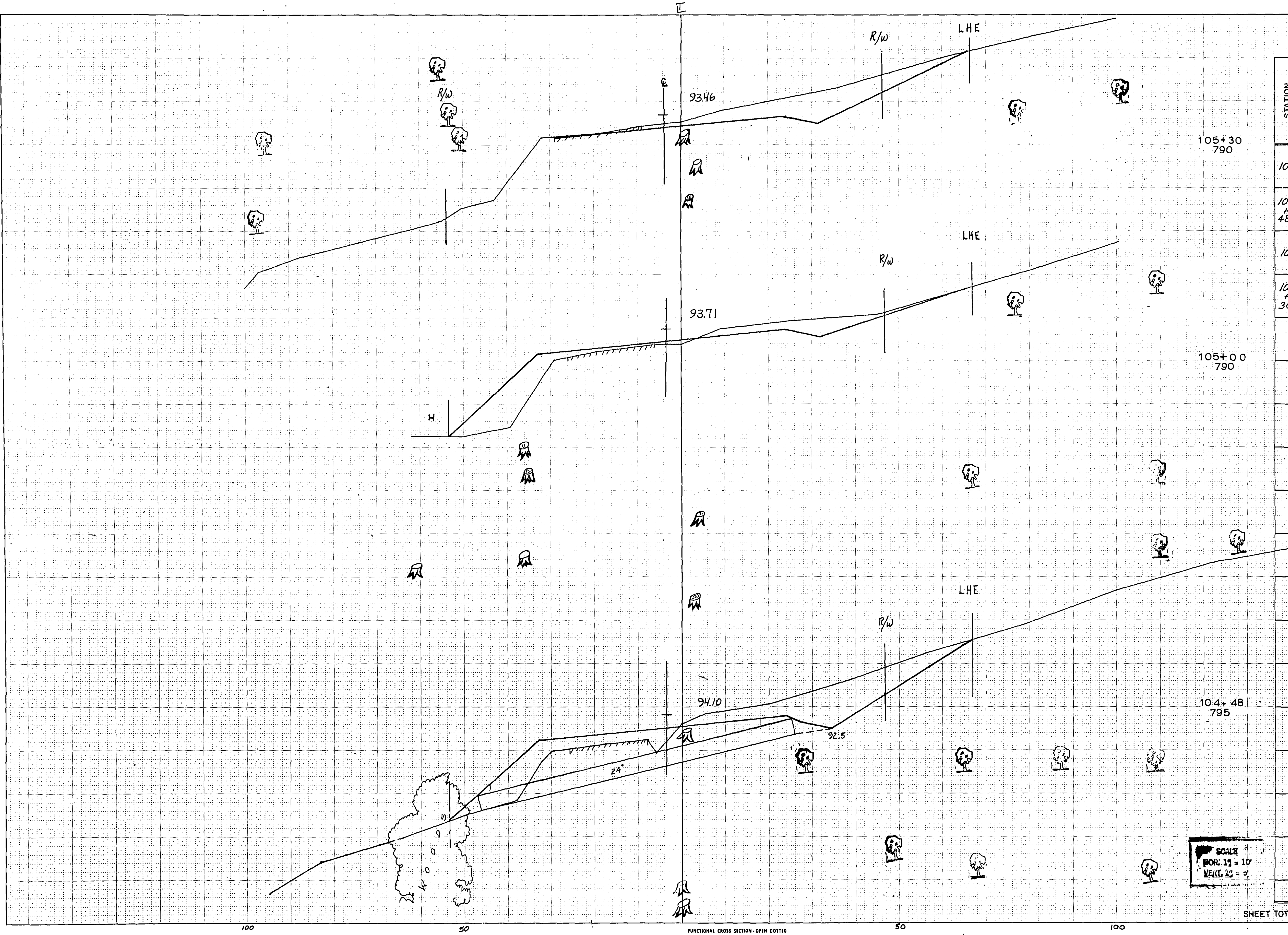


FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

SHEET TOTAL 4879 68

102+00 - 104+00

B P R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	46	145



STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS.				FILL
104						
		~~365~~ ~~327~~ 334				110
104+48						
		~~210~~ ~~151~~ 188				175 ~~160~~
105						
		~~106~~ ~~81~~ 102				~~49~~ ~~40~~ 50
105+30						
SHEET TOTAL		681 ~~553~~				334 ~~310~~

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

NOTE BOOK NO. | TEMPLATE | AREAS | AREAS CHECKED

NOTE BOOK NO. | TEMPLATE | AREAS | AREAS CHECKED | IBM | 2-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	47	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	EXCAVATION UNDER CUT	FILL
105 + 30				
		~~455~~ ~~366~~ 472	106+08 To 110+30	0 3
106		~~65~~ ~~58~~ 67		0 1
106 + 08			773	

L

L.H.E.

R/W

92.66

106+08
790

R/W

92.75

106+00
790

105+38
795
P.E.

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

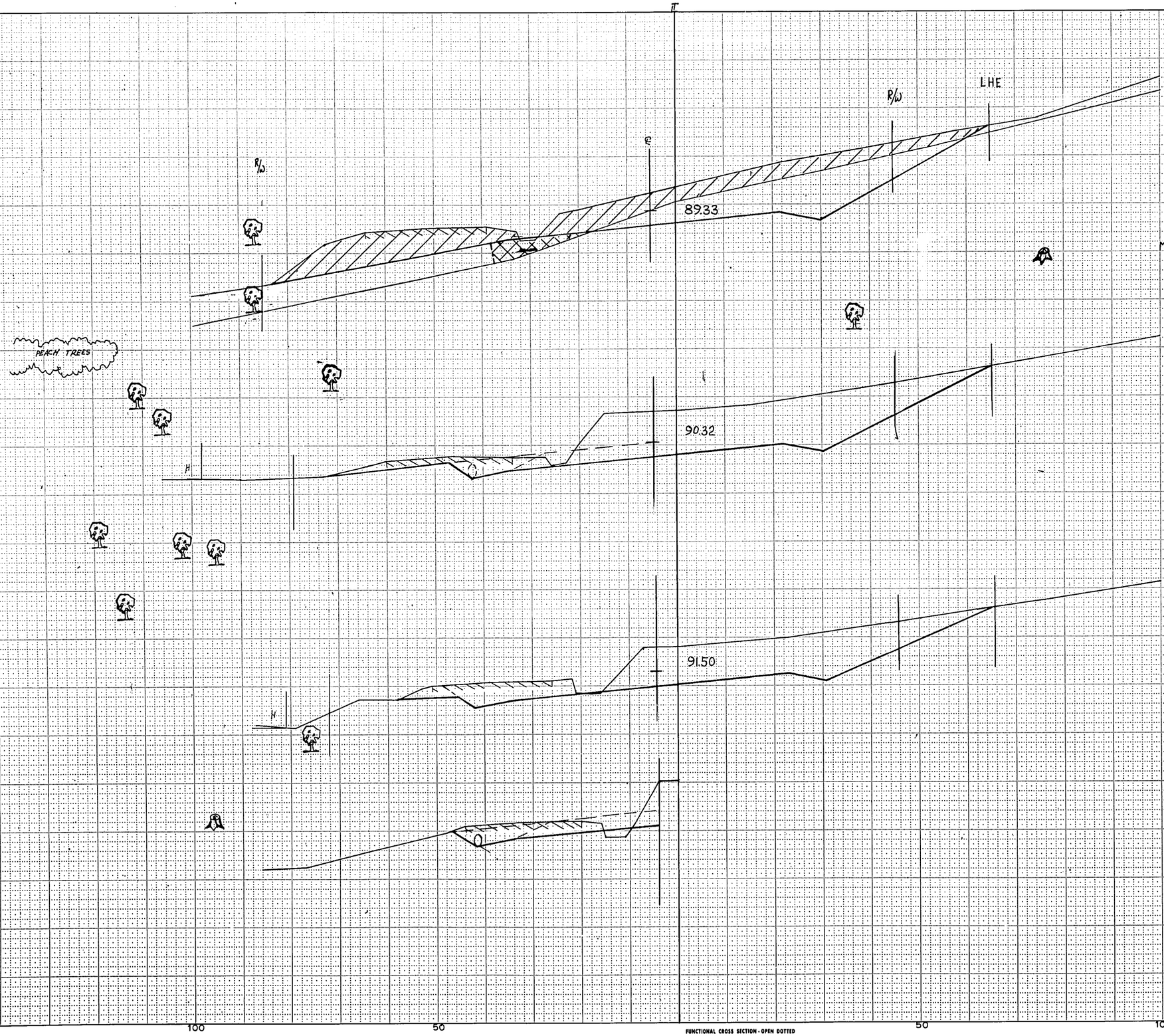
SHEET TOTAL 518 0

105+38 - 106+08

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

SURVEY NOTE BOOK NO. ~~44~~ | PLOTTED BY K. PROESCH E.R. BUKOSKI | TEMPLATE 2-STATE HWY | AREAS CHECKED 1 DN | 7-67 10-66 2-66

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	48	145



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	Marsh	Marsh Fill	FILL
106 + 08		~~887~~ ~~757~~			~~0~~
		891			46
107		~~1258~~ ~~1238~~			~~0~~
		1289			37
108		~~962~~	~~214~~ 115	~~20~~	~~0~~
		1285			6
109					
SHEET TOTAL		~~3109~~ ~~2847~~ 2/9			20 3

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

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

NOTE BOOK NO. 44 | TEMPLATE AREAS AREAS CHECKED | A. Skulte 1BM | 10-66 2-67

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	49	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	Marsh		Marsh Fill	FILL
109			865			
		~~991~~	~~1483~~		~~220~~	~~0~~
		795				6
110			1305			
		~~68~~	~~1498~~		889	~~77~~
		311				100
111						

℄

℄

24" R + 15

R/W

R/W

111+00
7.90
(DRAINAGE)

88.01

111+00
7.90

LHE

GAR.

110+83
7.85
P.E.LT.

88.57

110+00
7.90

+/- 22'

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 459 26/3 1117 71

100 50 0 50 100

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

SURVEY
NOTE BOOK
NO. 77
SUBMITTED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

7-54
10-54
3-55

E.V.C.R. Projection by E. Bussey
L. Schultz
I B M

110+00 - 111+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	50	145

NOTE BOOK ____ TEMPLATE ____ AREAS ____ AREAS CHECKED ____ NO. ____

NOTE BOOK 44 TEMPLATE A Shultz 1BM AREAS 10-66 2-67 AREAS CHECKED

87.50

87.51

87.65

114+00
785

113+53
785
(DRAINAGE)

113+00
780

112+00
785

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	Marsh	Marsh Fill	FILL
111					
	~~93~~ 119	~~1735~~ ~~1044~~		~~1737~~	~~265~~ 278
112					
	~~21~~ 58	~~1672~~ ~~1848~~		1839	~~524~~ 569
113					
	0	~~1280~~ ~~1651~~		1631	~~869~~ 904
114					
		5290			5207/1658

SHEET TOTAL

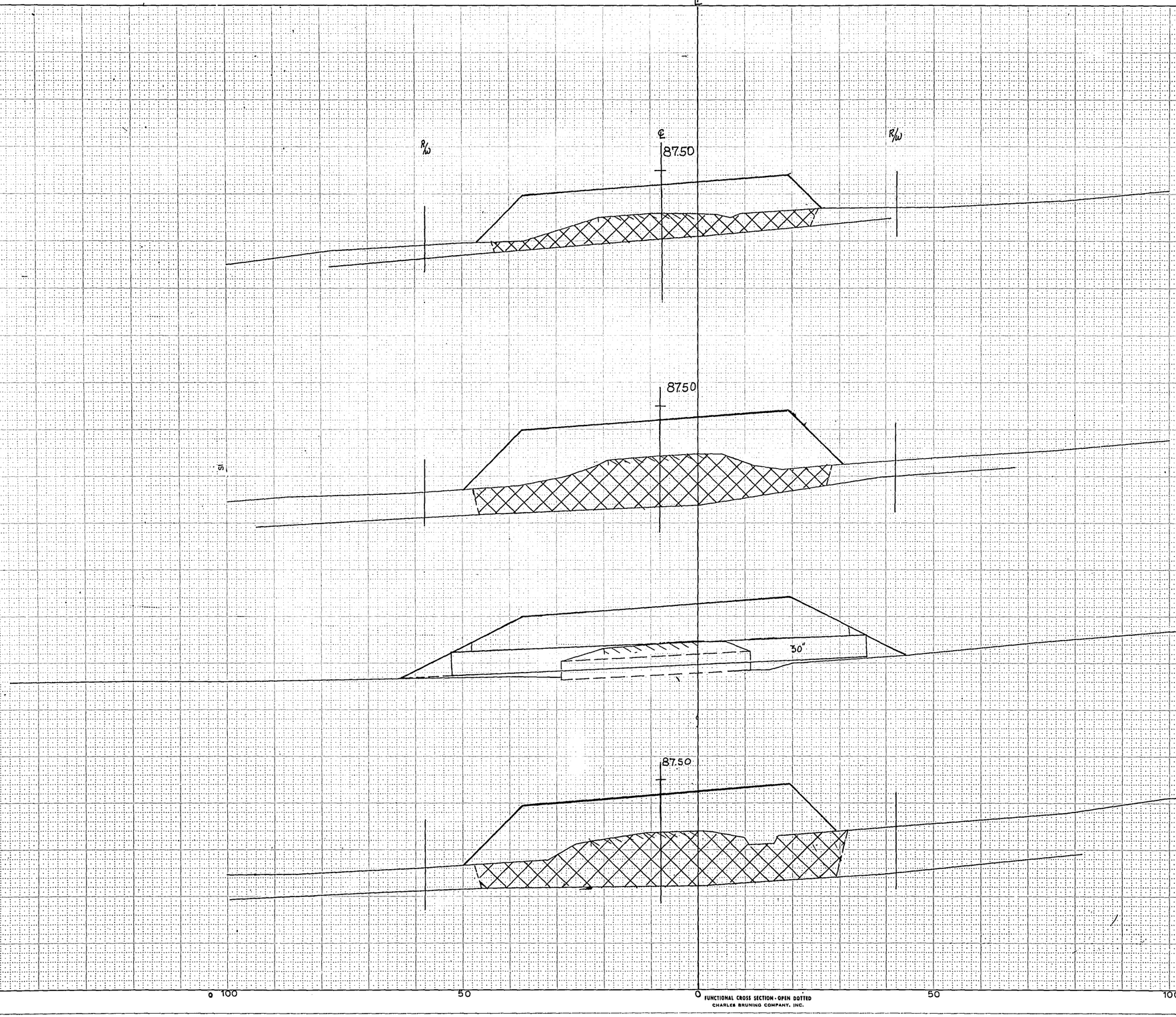
SCALE
HOR. 1" = 10'
VERT. 1" = 5'

100 50 0 50 100

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

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	51	145

SURVEY | PLOTTED | NOTE BOOK | NO. | PLOTTED BY: E. SAPERSTEIN & T. ROGERS | 7-64 | TEMPLATE: E. SAYLES | 10-65 | HRS. REQ'D: 10 HR. | 2-65 | HRS. CHECKED: | | | |



STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS.	MARSH	MARSH FILL	FILL
114					
	0		1363 ~~1472~~	~~1472~~	~~1152~~ 1267
115					
117+00 780	0		1491 ~~1204~~	~~1204~~	~~1857~~ 1820
116					
	0		1113 ~~813~~	~~813~~	~~1051~~ 1209
117					
			149		
116+00 780					
115+84 780 (DRAINAGE)					
115+00 780					
SHEET TOTAL	0		3489	3489	3460

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

0 100 50 0 50 100

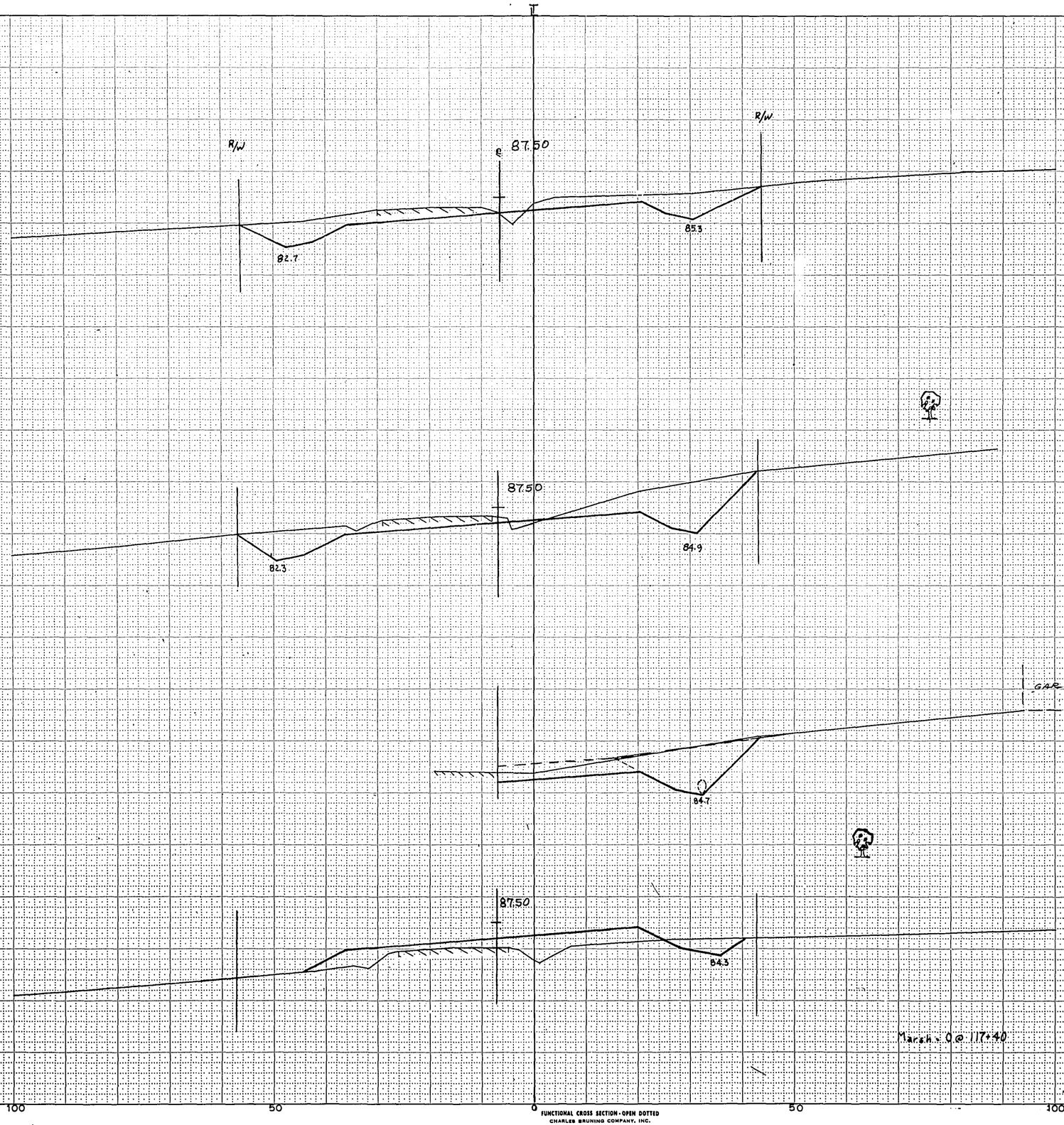
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

115+00 - 117+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	52	145

NOTE BOOK | TEMPLATE | AREAS | AREAS CHECKED | NO.

E. Shultz | 10-26-65 | BM



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

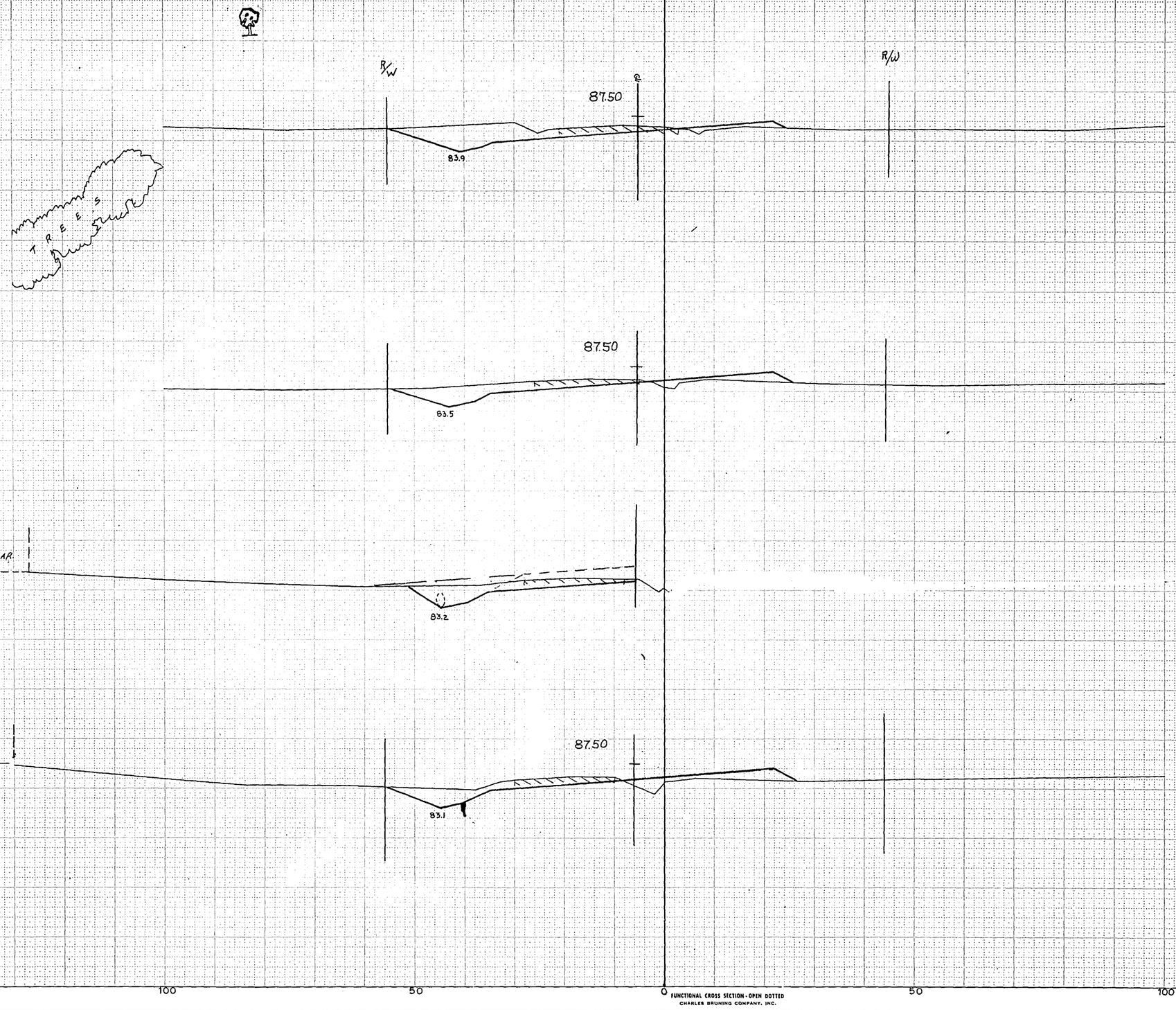
STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	Marsh		Marsh Fill	FILL
117						
		~~31~~ ~~38~~ 11	106		106	~~576~~ 641
118		~~332~~ ~~329~~ 293				~~143~~ 152
119		~~584~~ 470				9
120						

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 877 106 106 728

118+00 - 120+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	53	145



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
120		~~291~~ ~~268~~	~~51~~
	123+00 785	298	54
121		~~161~~ ~~140~~	~~80~~
		135	81
122		~~200~~ ~~180~~	~~40~~
		202	50
123			
	122+00 785		
	121+28 785 P.E.		
	121+00 785		
	SHEET TOTAL	~~660~~ ~~588~~	179

SURVEY
SUBMITTED
PLOTTED
NOTE BOOK
AREAS
NO. 44
AREAS CHECKED

F. CARLSON & ASSOC.
C.H. LEE
D.M.

7-67
12-65

SCALE
1" = 10'
VERT. 1" = 5'

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

121+00 - 123+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	54	145

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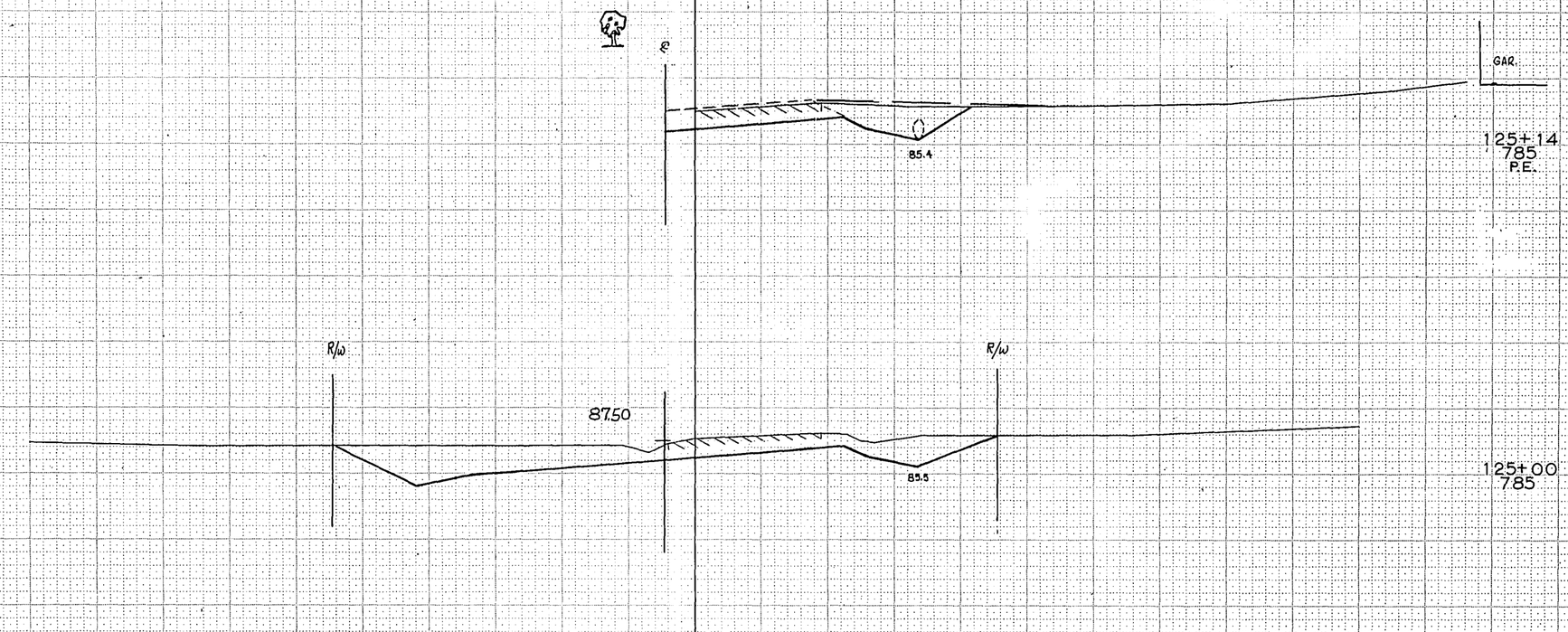
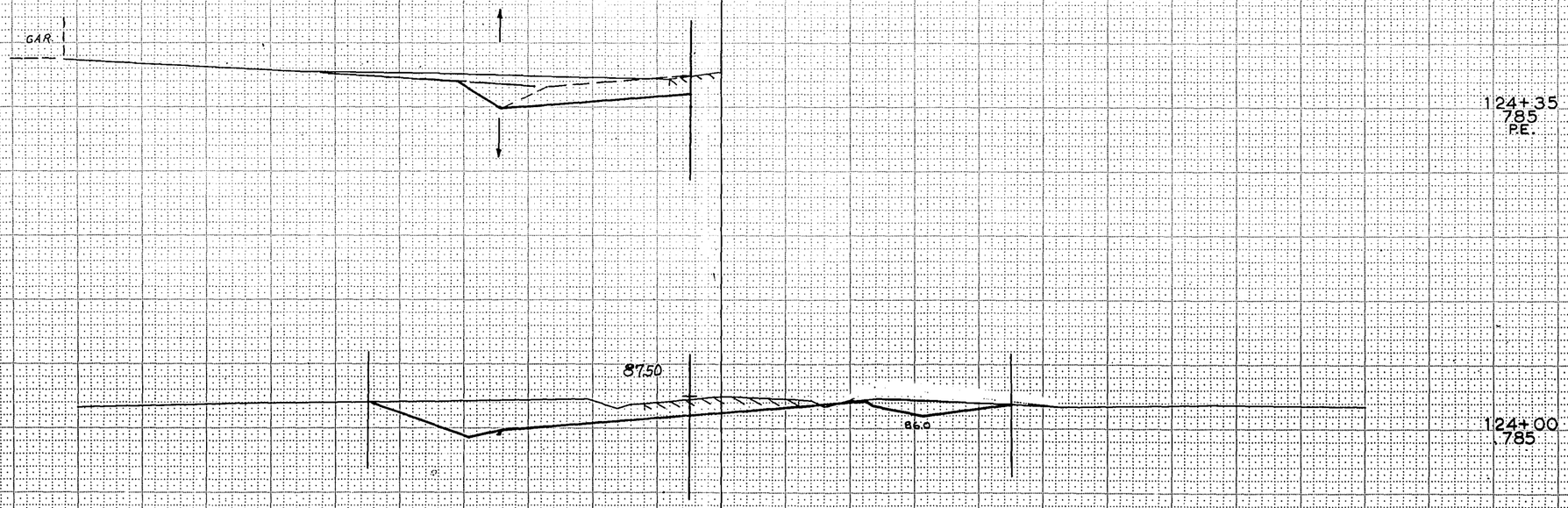




STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
123		~~348~~ ~~302~~	~~75~~
		339	17
124		~~513~~ ~~763~~	0
		485	
125			

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

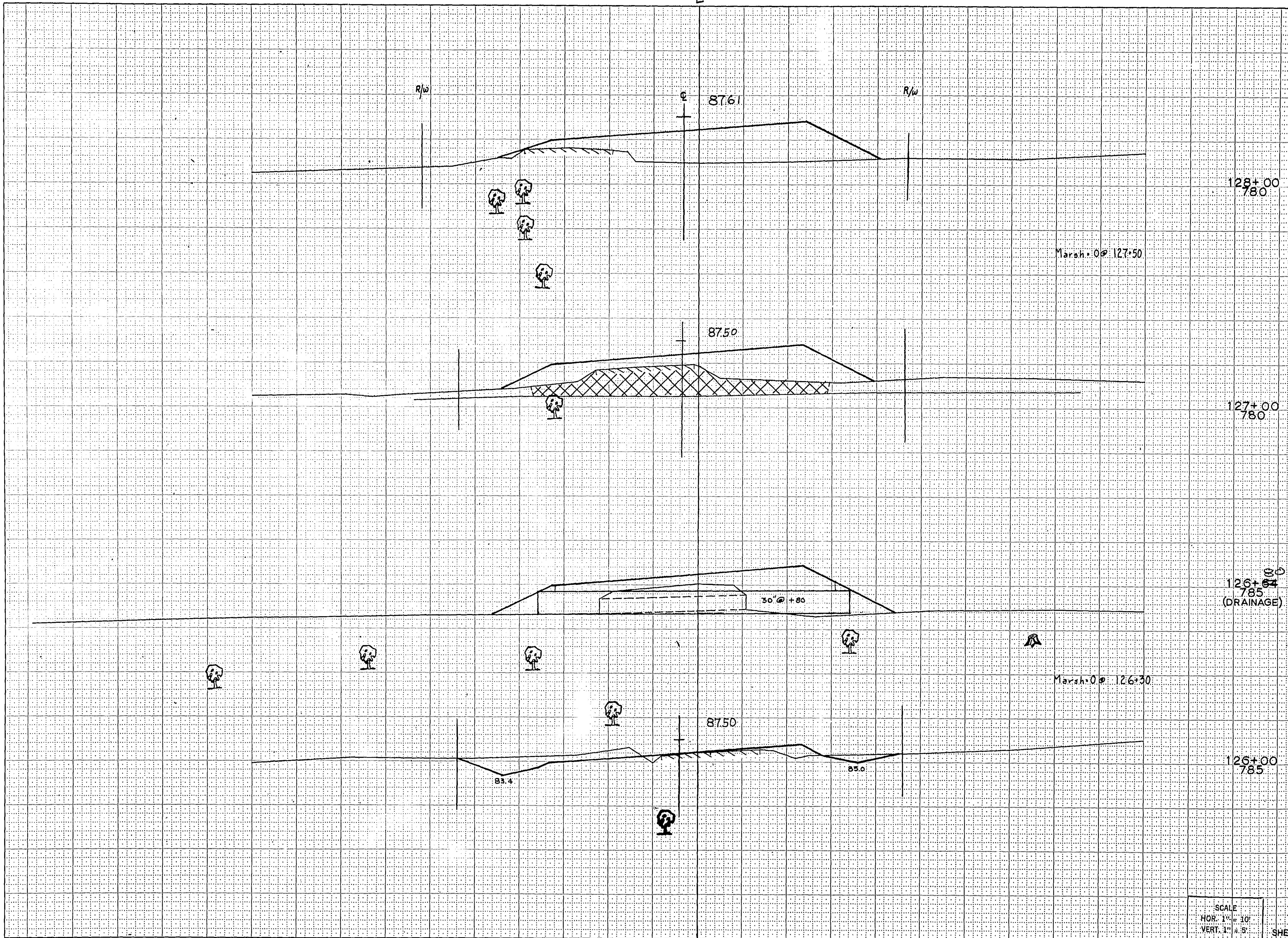
SHEET TOTAL ~~851~~ ~~765~~ 15

100 50 0 50 100

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

NOTE BOOK NO. 77 | TEMPLATE WIS 485 | E. Shultz 12-65 | 12-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	55	145



STATION	DISTANCE	YARDAGE: EXCAVATION: UNCLASS	MARSH		MARSH FILL	FILL
125						
		~~367~~ ~~350~~ 357				~~28~~ 30
126						
		~~78~~ ~~80~~ 85	233 ~~194~~		~~194~~	~~345~~ 398
127						
		~~0~~ 2	167 ~~159~~		~~139~~	~~731~~ 728
128						
SHEET TOTAL		445 ~~430~~	333		333	1104

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

ORIGINAL SURVEY
NOTE BOOK
NO. LL
SURVEYED R. GARVENS 7-64
PLOTTED & T. DECAPROON & T. KNOEBEL 7-64
TEMPLATE E. SCHULTZ 10-64
AREAS IBM 2-65
AREAS CHECKED

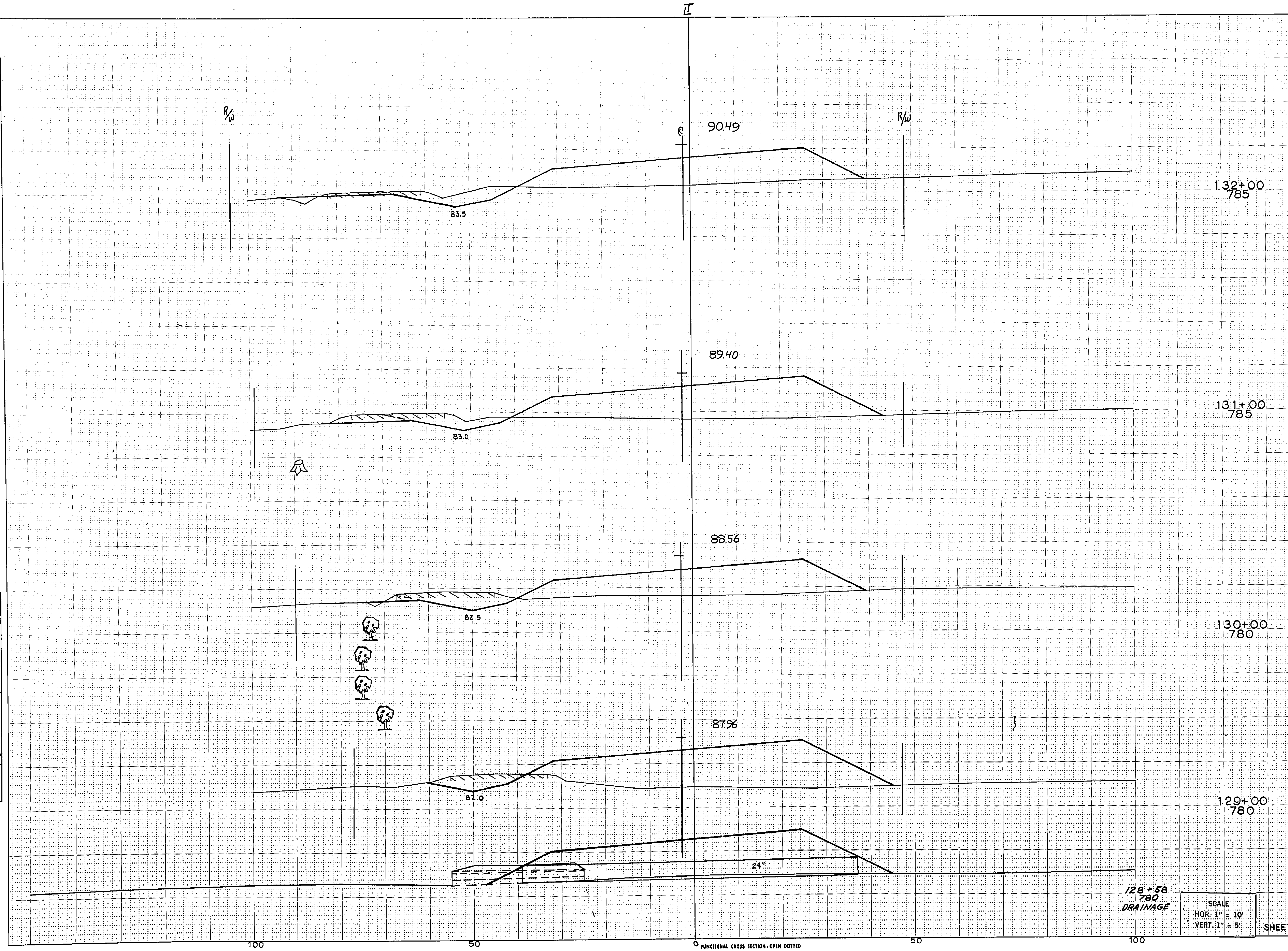
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

126+00 – 128+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	56	145

NOTE BOOK NO. | TEMPLATE | AREAS | AREAS CHECKED

NOTE BOOK NO. 44 | TEMPLATE E. Shultz 10-64 | AREAS IBM 2-65 | AREAS CHECKED



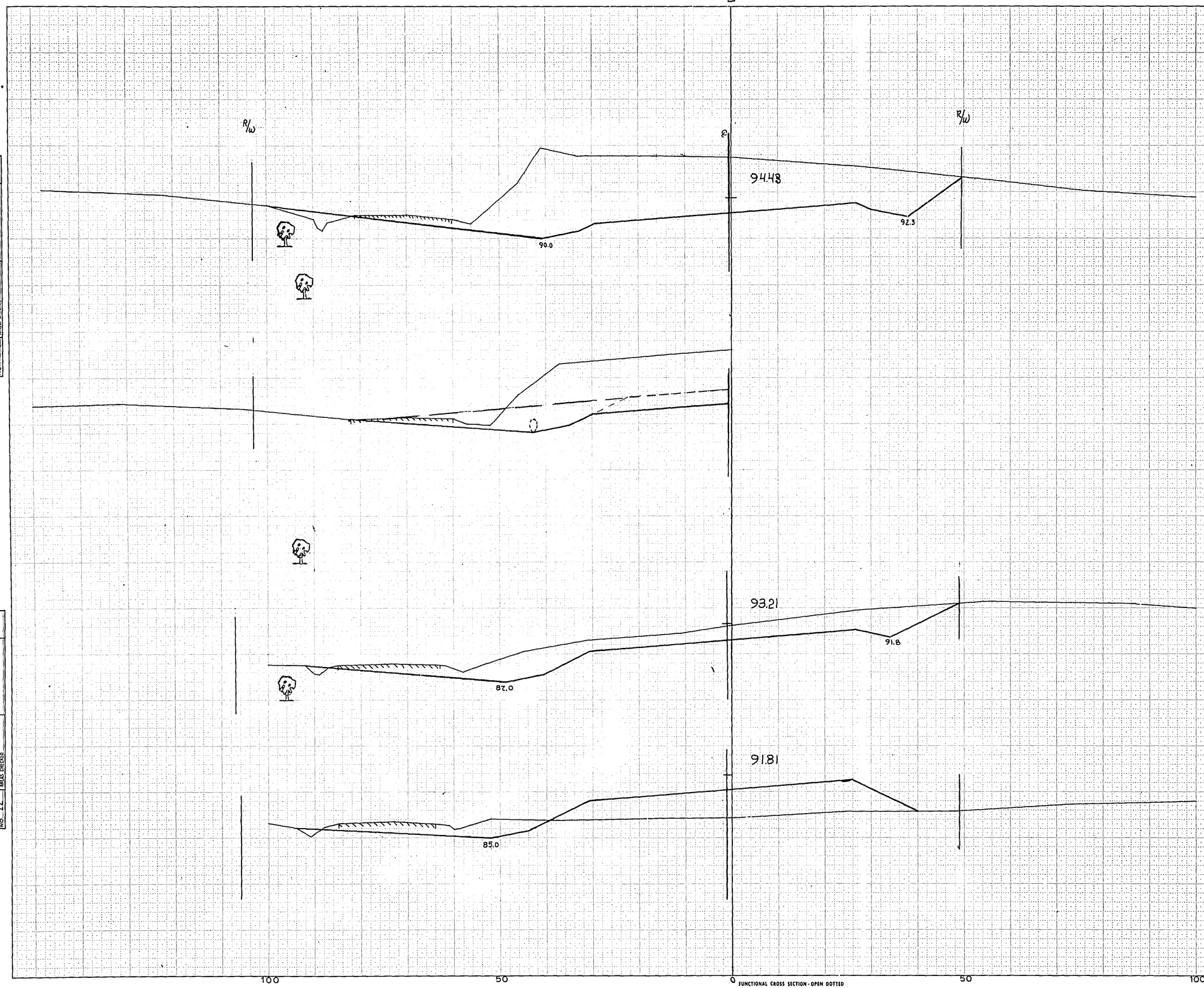
SCALE
HOR. 1" = 10'
VERT. 1" = 5'

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

STATION	DISTANCE	YARDAGE – EXCAVATION – Unclass.				FILL
128						
		~~46~~ 7				~~949~~ 961
129						
		~~105~~ 78				~~907~~ 941
130						
		~~103~~ 133				~~845~~ 870
131						
		~~96~~ 117				~~860~~ 893
132						
SHEET TOTAL		350				3561

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	57	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
132			
		~~148~~ 115	~~775~~ 819
133		~~487~~ ~~302~~ 387	~~390~~ 407
134		~~1530~~ ~~1307~~ 1331	~~49~~ 28
135			



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

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL ~~2165~~ ~~1602~~ 1183

133+00 - 135+00

INFORMATIONAL SURVEY
NOTE BOOK LL
SURVEYED
PLOTTED BY R. GARVENS
TYPED E. CAPRON & F. ANDEBEL
TRACED E. Mc
CHECKED T.B.M.
AREAS
AREAS CHECKED
7-64
7-64
10-64
2-65

FINAL SURVEY
NO.
NOTE BOOK
SURVEYED
PLOTTED
TRACED
AREAS
AREAS CHECKED

BPR REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	58	145

℄

R/W

96.99

93.2

93.8

138+00
795

R/W

9630

92.7

93.3

137+00
795

6" PINES

95.43

92.2

92.8

136+00
795

95.05

135+57
795
P.E.

STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS.	YARDAGE FILL
135		~~1650~~ ~~1888~~ 1481	~~18~~ 30
136		~~478~~ ~~272~~ 880	~~2~~ 7
137		~~501~~ ~~295~~ 430	~~141~~ 196
138			

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL ~~3129~~ ~~2395~~ 1759 ~~1470~~

100 50 0 50 100

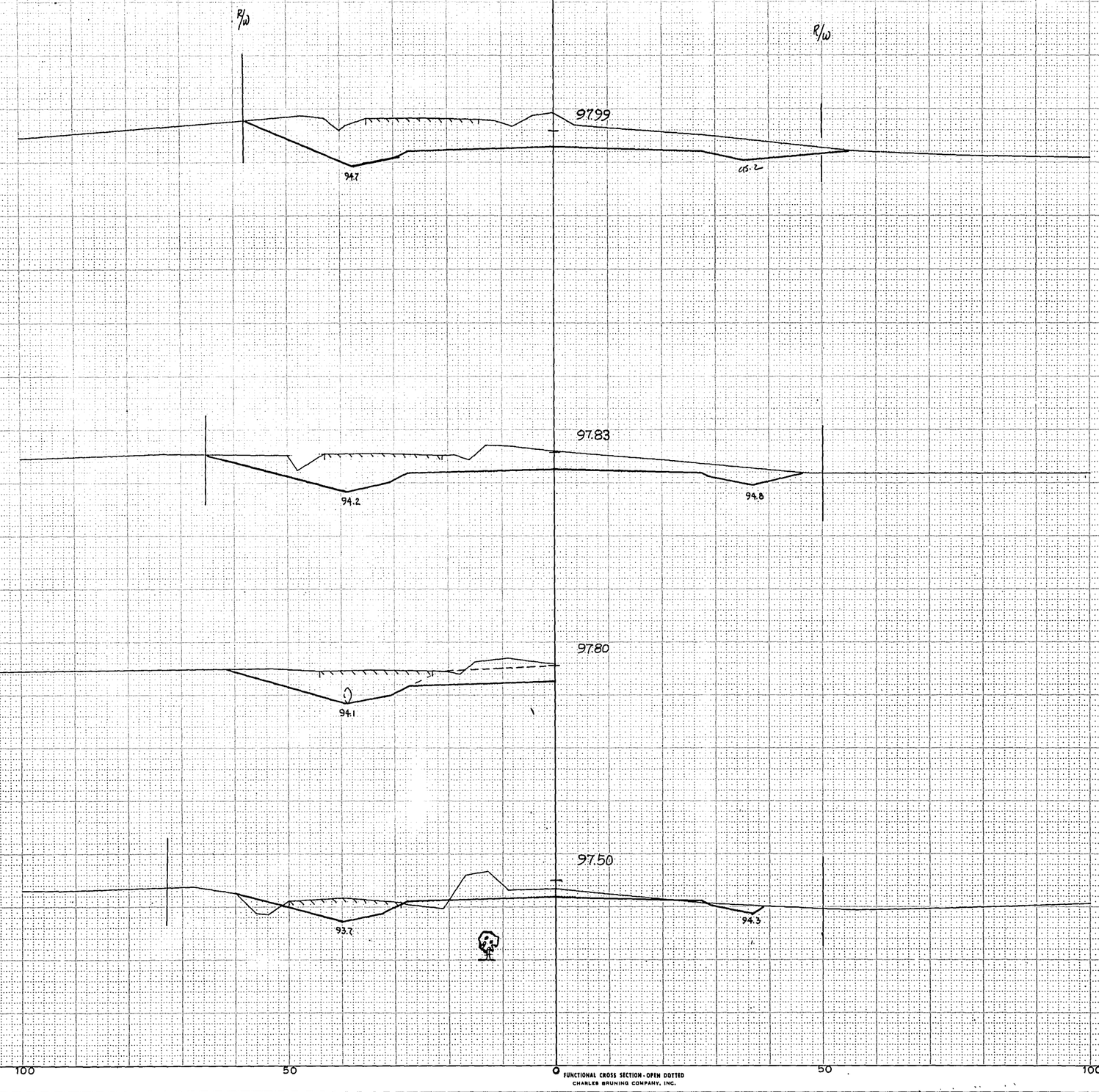
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

NOTE BOOK | TEMPLATE AREAS | AREAS CHECKED
NO. LL | E. Shuttle 1/8/64

NOTE BOOK | TEMPLATE AREAS | AREAS CHECKED
NO. | 12-45 12-45

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	59	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
138		~~278~~ ~~745~~	~~161~~ ~~150~~
		213	167
139		~~448~~ ~~392~~	~~23~~ ~~72~~
		402	29
140		~~761~~ ~~665~~	0
		729	
141			



SURVEY | PLOTTED K.V. & C. CARBON & I. WIDEBEL 7-64
NOTE BOOK | TEMPLATE 10-64
NO. 11 | AREAS 2-65
AREAS CHECKED

SCALE
HOR. 1" = 10'
VERT. 1" = 5

SHEET TOTAL ~~1222~~ 1447 ~~164~~ 187

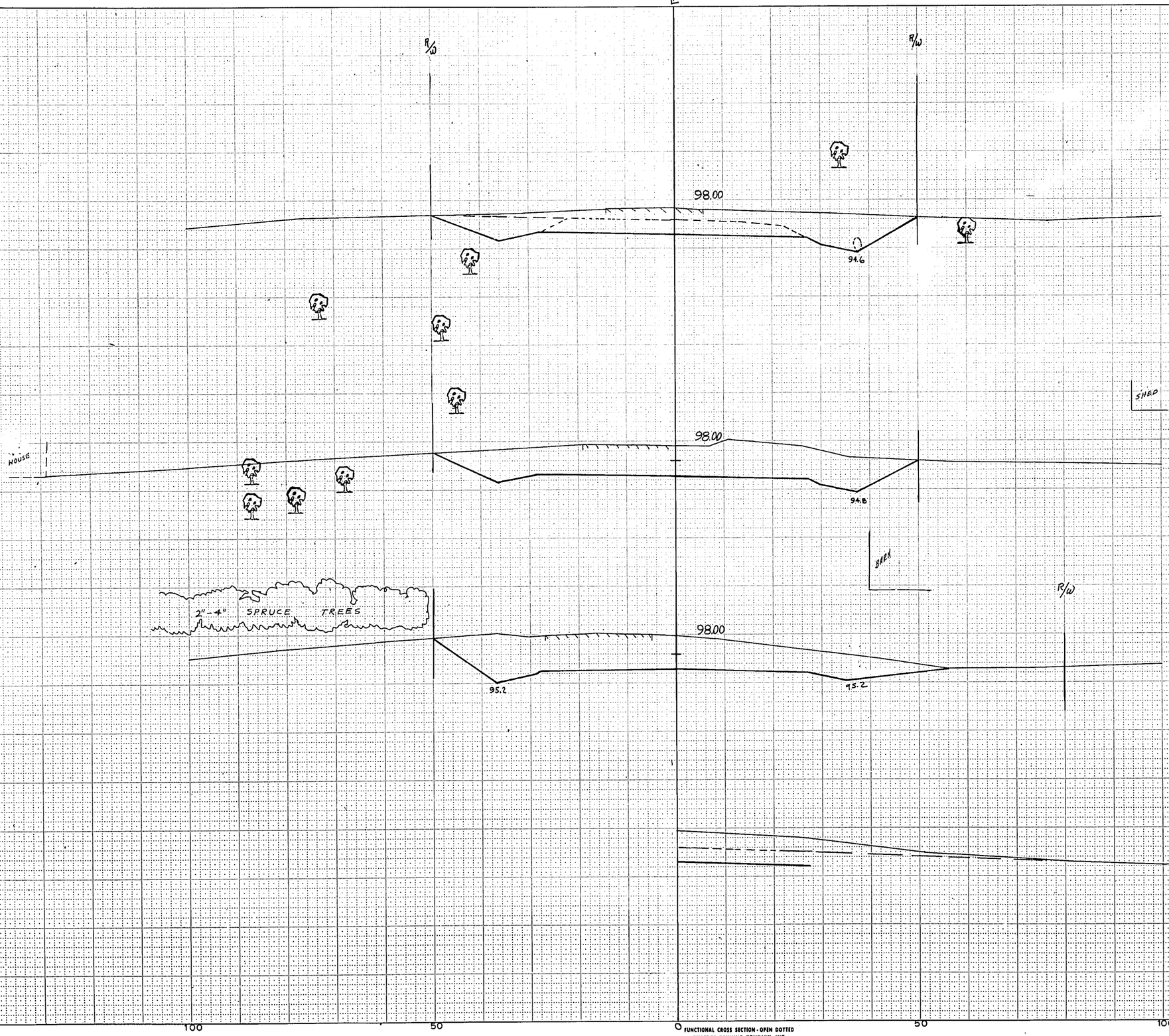
100 50 0 50 100

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

139+00 - 141+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	60	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
141			
		~~976~~ ~~947~~ 950	0
142		~~1070~~ ~~1046~~ 1013	0
143			



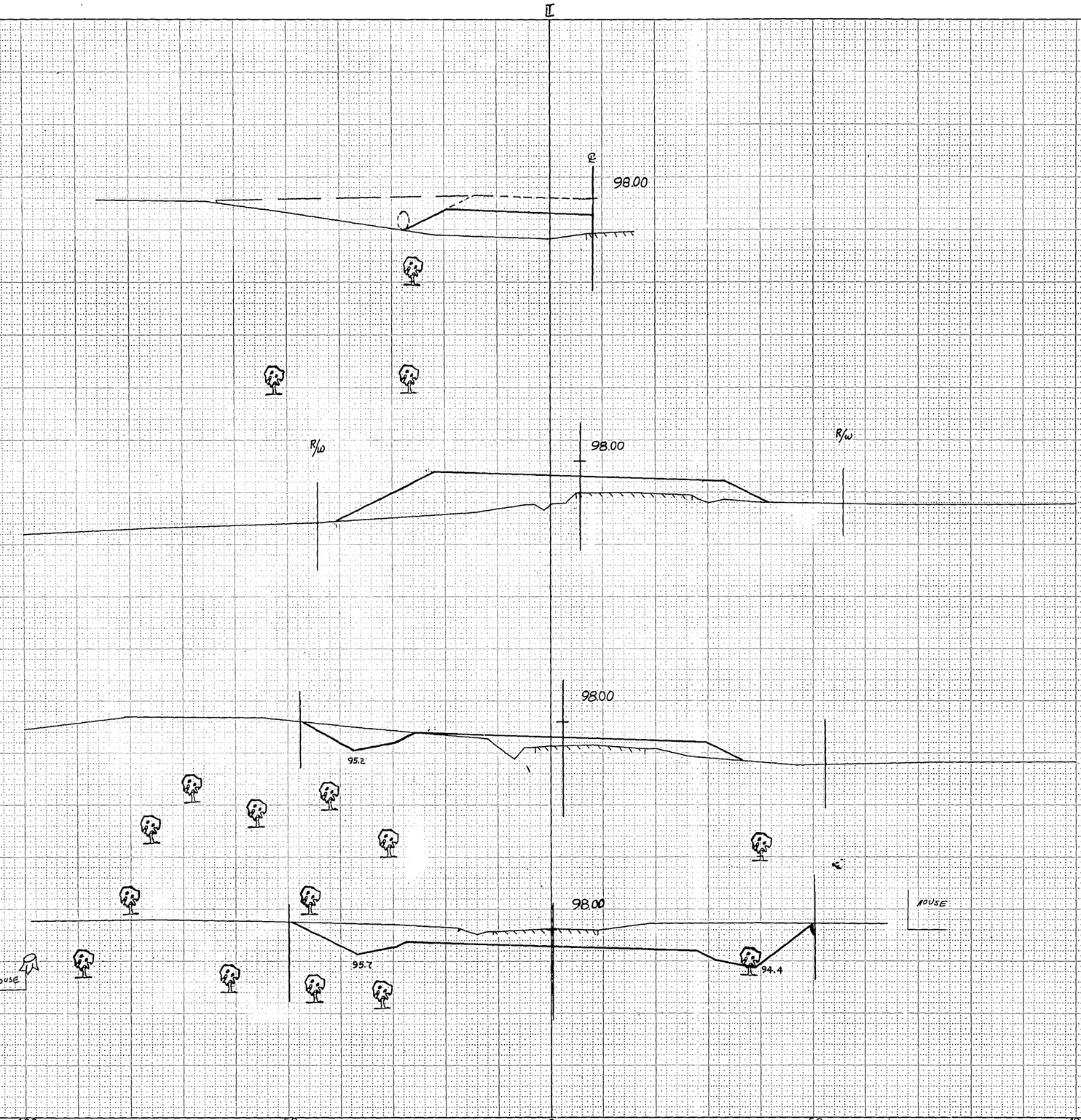
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

SHEET TOTAL	~~2046~~ ~~1992~~	0

NOTE BOOK
TEMPLATE
AREAS
AREAS CHECKED
NO.

NOTE BOOK 77
TEMPLATE
AREAS
AREAS CHECKED
E. Hwy No. 1800
12-64
2-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	61	145



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
143		~~896~~ ~~862~~ 831	0
144		~~722~~ ~~413~~ 389	~~89~~ 91
145		~~59~~ 52	~~418~~ 420
146			
SHEET TOTAL		~~1384~~ ~~1220~~	507

100 50 0 50 100

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

144+00 - 146+82

SURVEY PLOTTED / PLOTTED / NOTE BOOK / NO. / SURVEY CHECKED / MEAS. CHECKED / TEMPLATE / AREAS / AREAS CHECKED

SURVEY PLOTTED 1-64 / PLOTTED 2-64 / NOTE BOOK / NO. / SURVEY CHECKED / MEAS. CHECKED / TEMPLATE / AREAS / AREAS CHECKED

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	62	145

℄

R/W

BARN

98.00

℄

R/W

92.8

149+00
795

SHED

REFR. STAND

98.00

148+41
795
P.E.

H

98.00

93.2

148+00
795

H

98.00

95.5

93.5

147+00
795

STATION	DISTANCE	YARDAGE EXCAVATION Unclass	FILL
146			
		~~25~~ ~~53~~	~~535~~
		6	591
147		~~235~~ ~~215~~	~~204~~
		181	211
148		~~295~~ ~~776~~	~~47~~
		209	52
149			
		SHEET TOTAL ~~513~~ 474	784

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

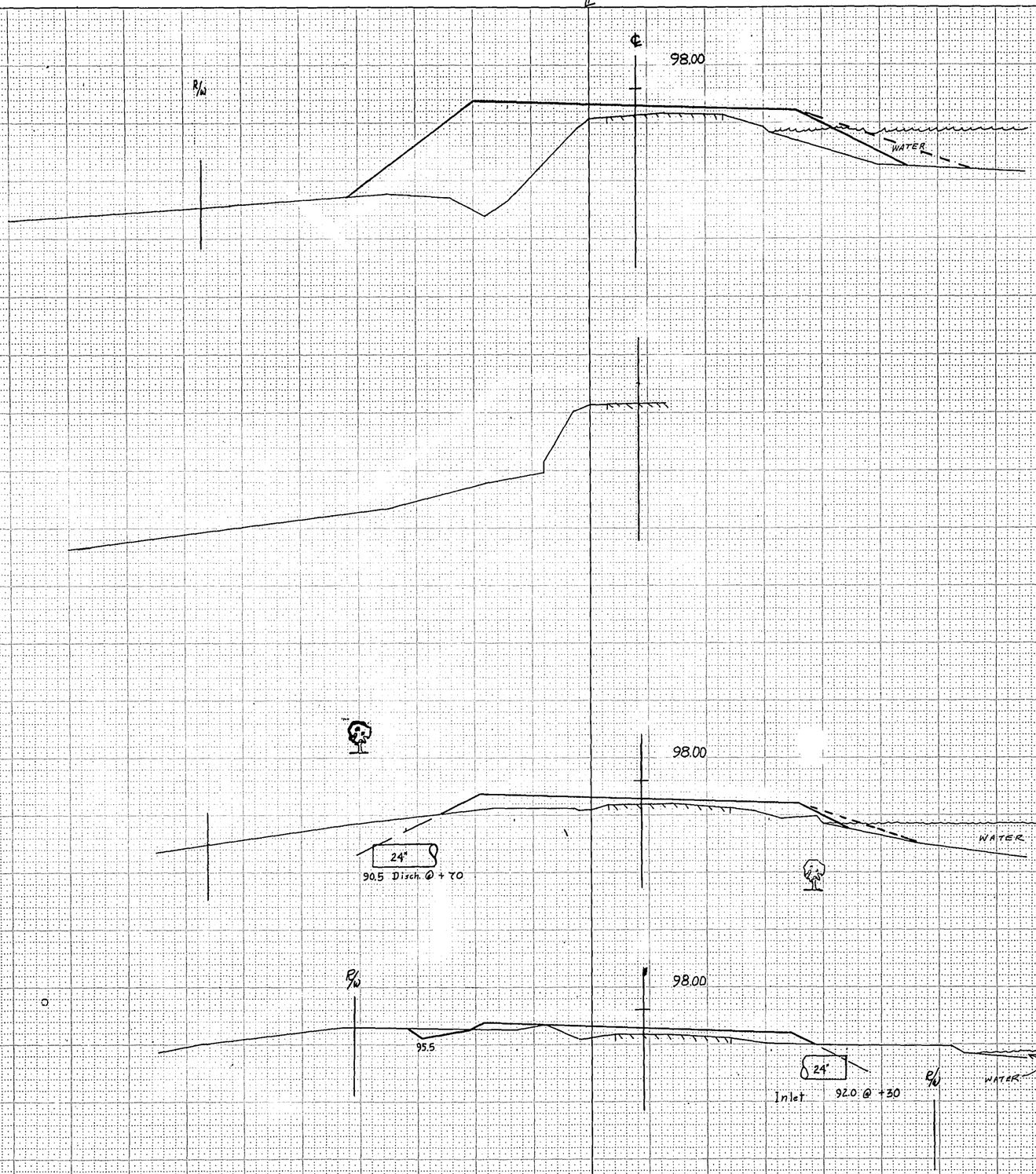
100 50 0 50 100

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

NOTE BOOK TEMPLATE AREAS AREAS CHECKED
NO. 11

E. Taylor 1964 12-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	63	145



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
149			
		~~23~~	~~40~~
		14	50
149 + 40			
		~~2~~	~~36~~
		1	39
149 + 60			
		0	~~247~~
			270
150			

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 25 331

100 50 0 50 100

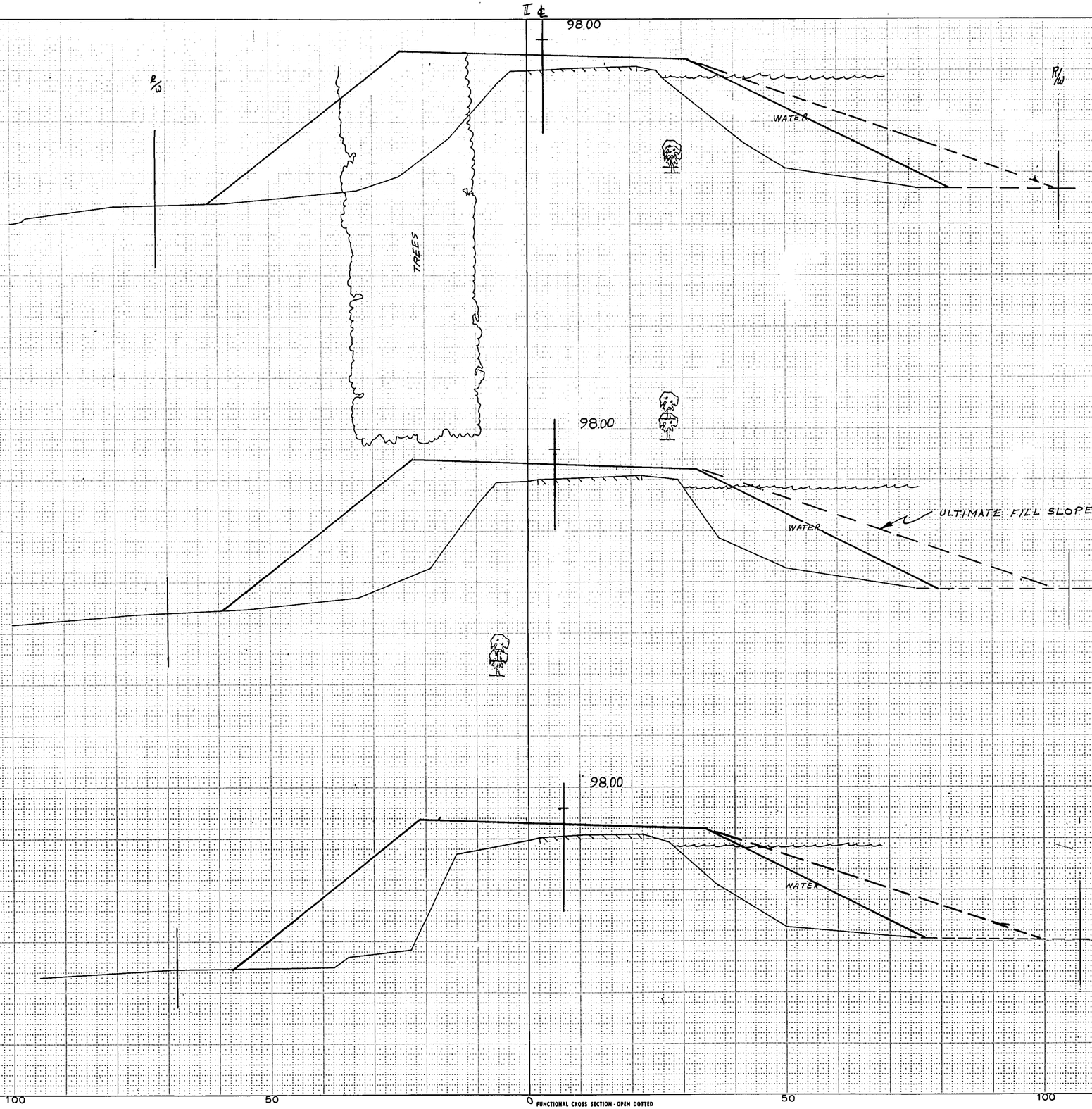
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

149+40 - 150+00

SURVEY NOTE BOOK NO. LL | PLOTTED TEMPLATE AREAS AREAS CHECKED

2nd 12-27 2-62

BPR REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	64	145



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

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
150			
		0	~~747~~ 765
150+50			
		0	~~1924~~ 998
151			
		0	~~1122~~ 1092
151+50			

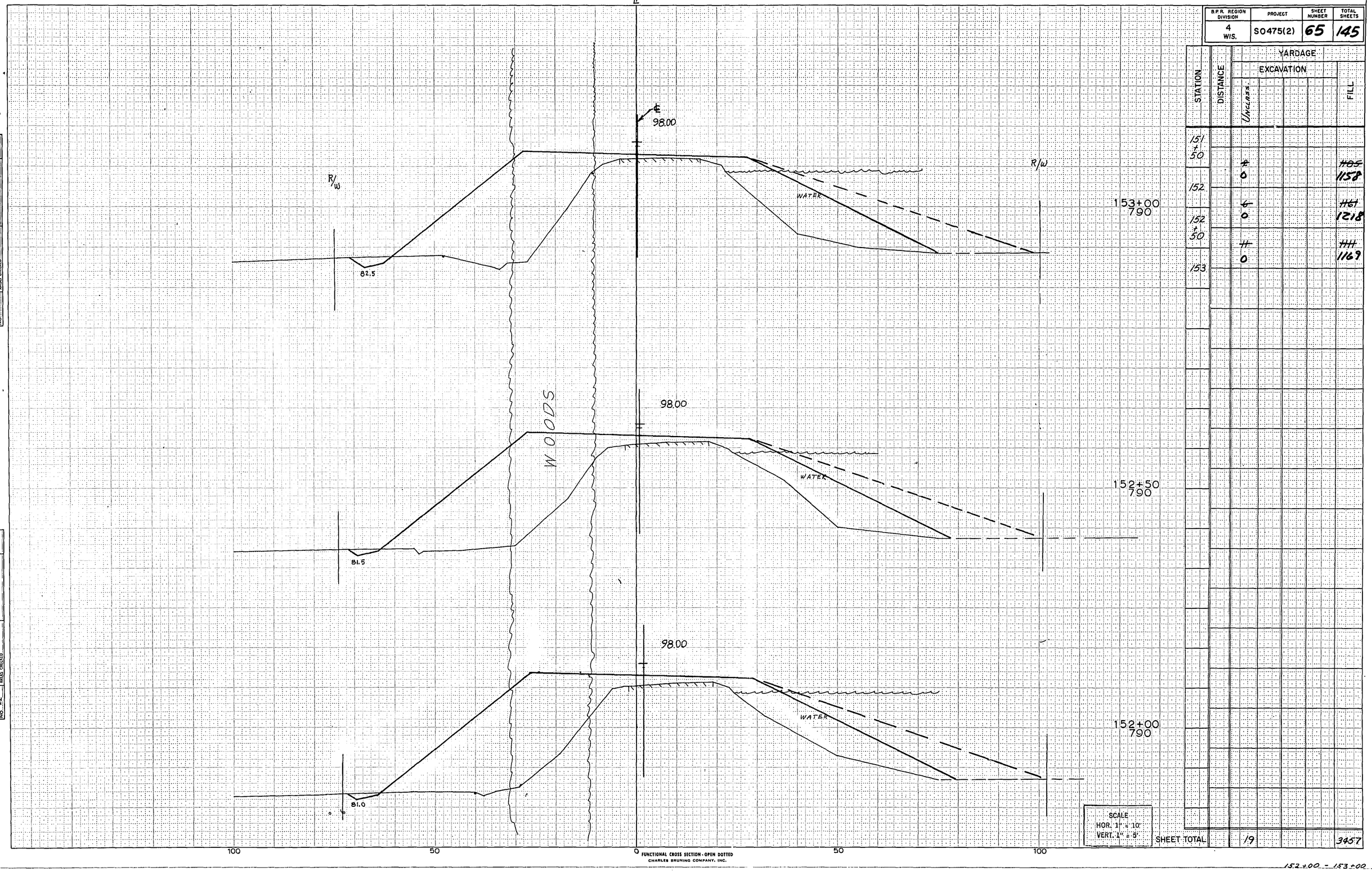
SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 0 2893

NOTE BOOK | LUMPAR AREAS | AREAS CHECKED | NO. 44

12-64 2-65 L. Stahl 1841

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	65	145



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
151 + 50		~~605~~ 0	~~1158~~ 1158
152		~~661~~ 0	~~1218~~ 1218
152 + 50		~~1111~~ 0	~~1169~~ 1169
153			

SURVEY NOTE BOOK NO. 44
SUBMITTED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

E. CAPPON
2 Sta. ML
1881

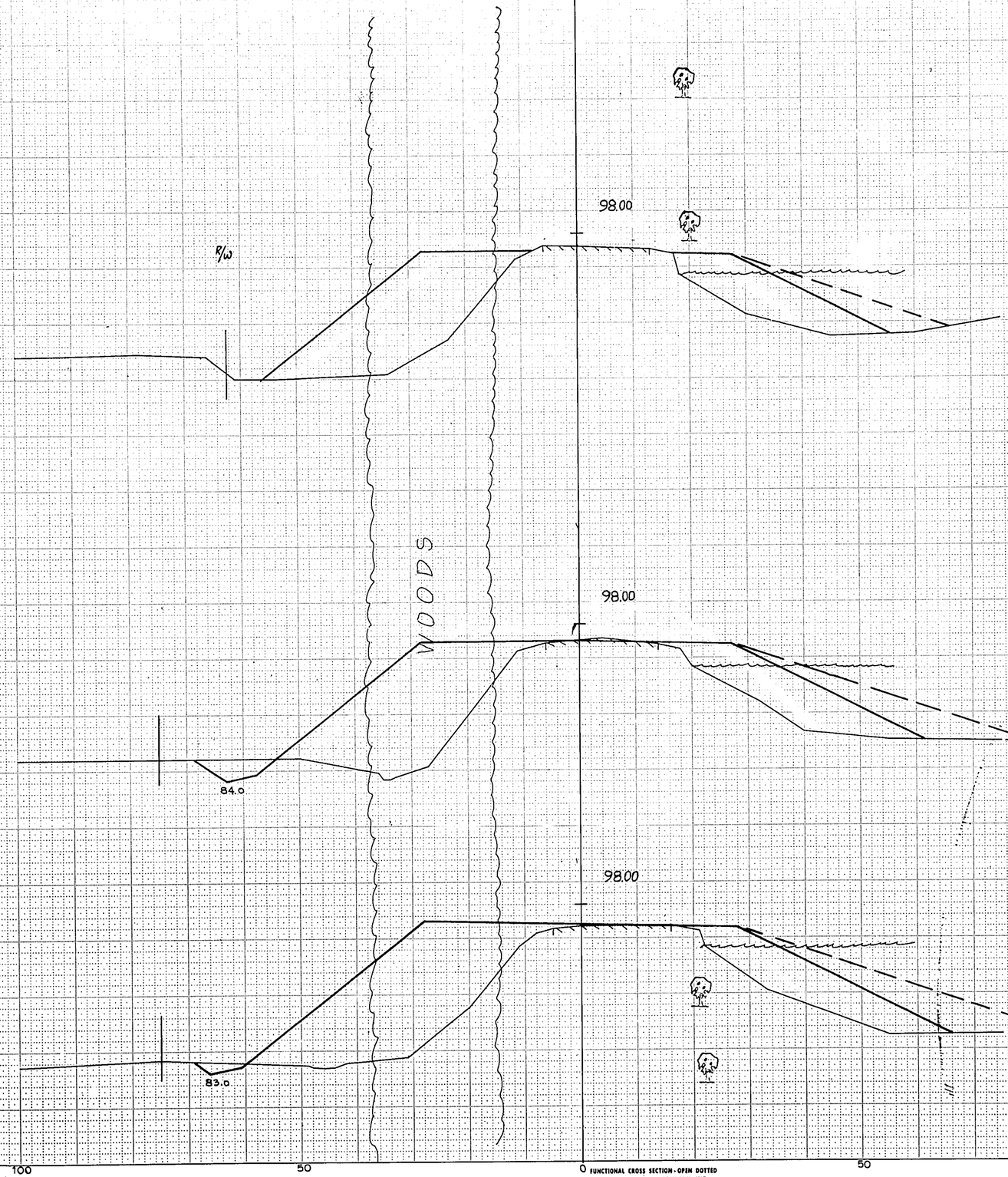
1-65
12-65
2-66

SHEET TOTAL 19 3457

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

152+00 - 153+00

BPR REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	66	145



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
153			
		~~72~~ 0	~~949~~ 1068
153 + 50			
		~~24~~ 13	~~791~~ 875
154			
		~~26~~ 18	~~697~~ 719
154 + 50			

NOTE BOOK ___ TEMPLATE ___ AREAS ___ AREAS CHECKED ___ NO. ___

NOTE BOOK ___ TEMPLATE E. Shultz IBM AREAS 12-64 AREAS CHECKED 2-65 NO. 44

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

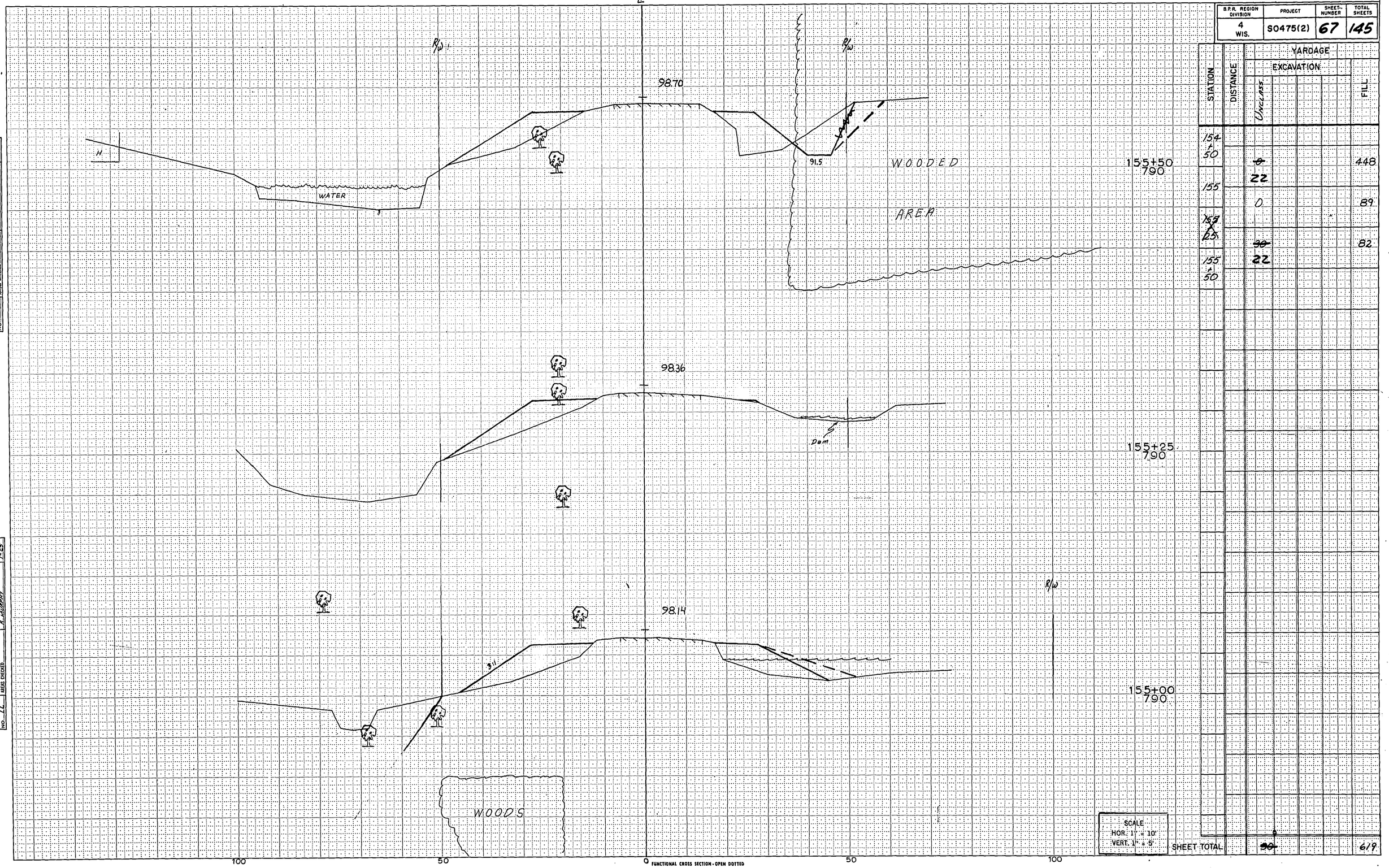
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

SHEET TOTAL 62 2437

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	67	145

SURVEY NOTE BOOK NO. LL
PLOTTED E. GARRAM
TEMPLATE
AREAS
CROSS CHECKED

L. T. KNUTSEN	7-68
E. GARRAM	12-69
A. WILLIS	1-69
R. MURPHY	1-69



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
154+50			
	~~0~~ 22		448
155			
	0		89
~~153~~ 125			
	~~30~~ 22		82
155+50			

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL ~~30~~ 619

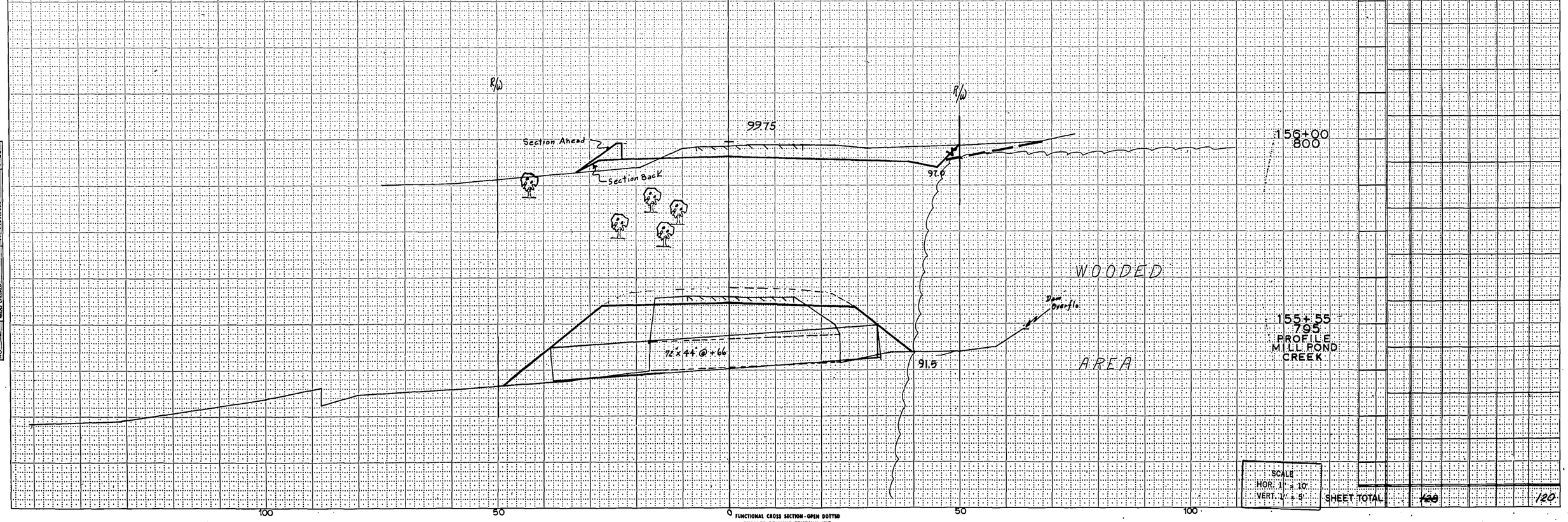
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

155+00 - 155+50

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	68	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass	YARDAGE FILL
155			
50		~~120~~	120
156		87	

NOTE BOOK NO. 4C
TEMPLATE AREAS AREAS CHECKED
E. Schultz 10-64
L. Olson 1-65
R. Hudson 1-65

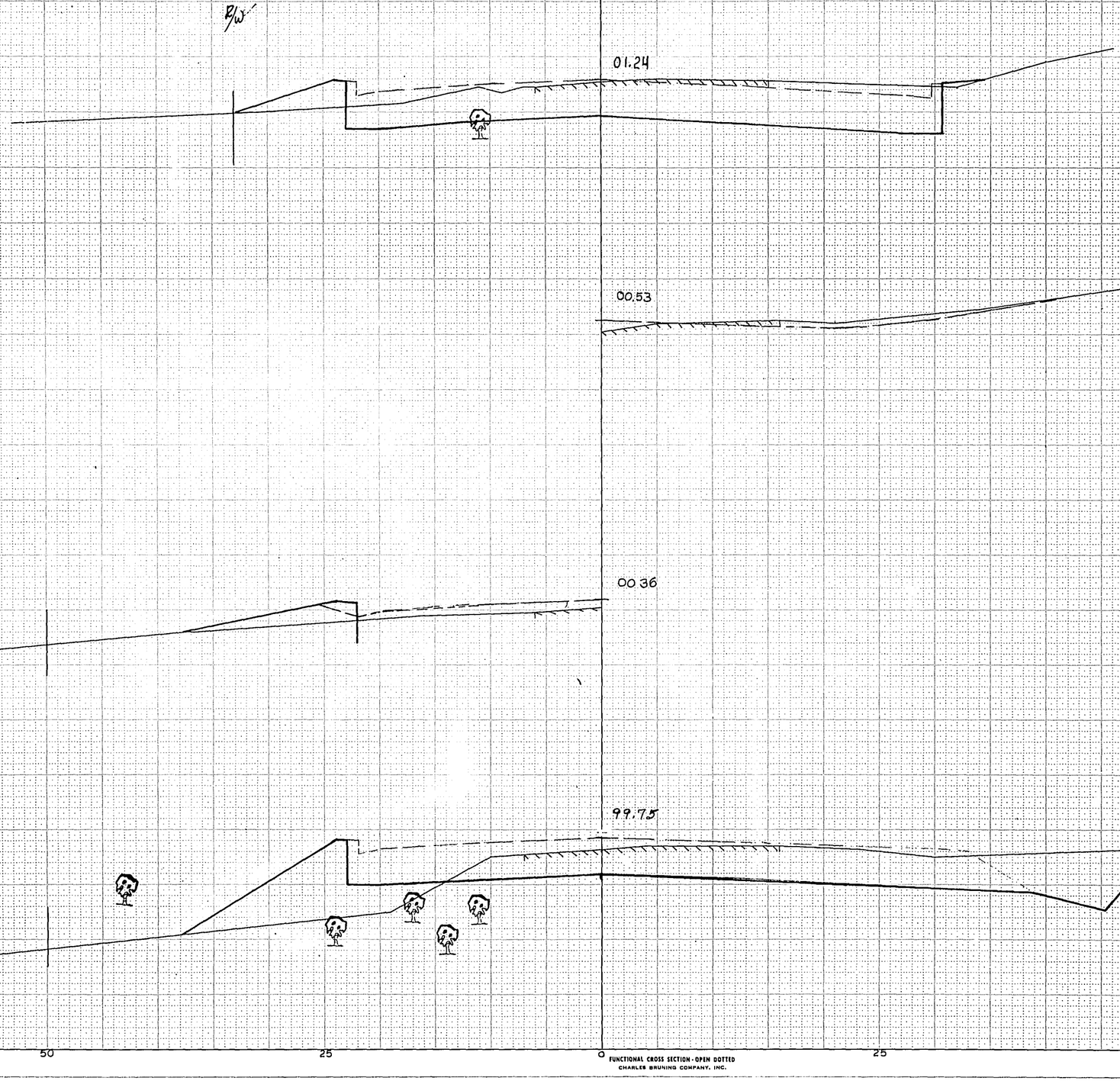


SHEET TOTAL ~~120~~ 120

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

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	69	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
156			
	~~137~~ 135		35
156 + 50			
		ORCHARD AVE.	
	~~50~~ 0		0



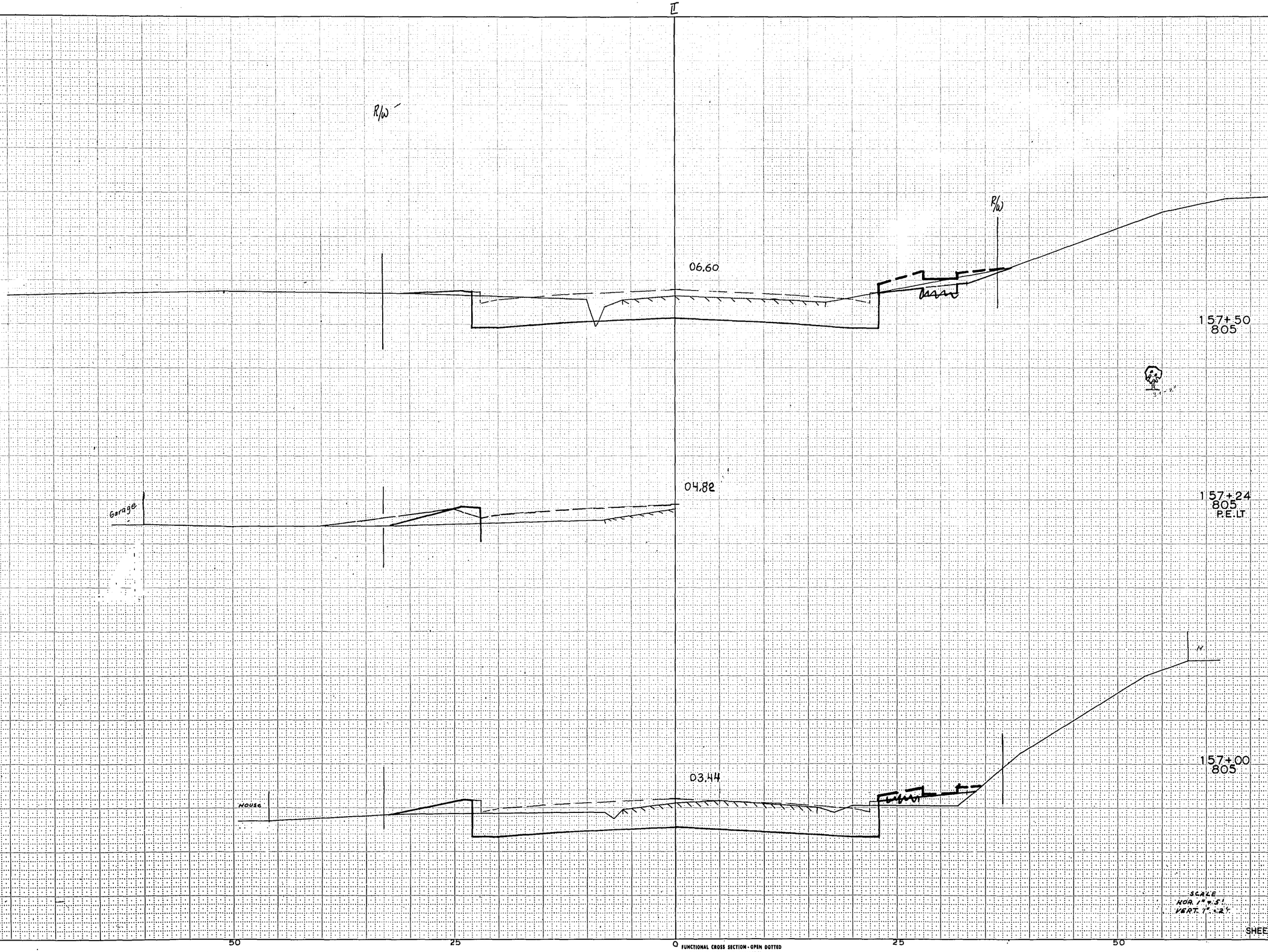
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

SHEET TOTAL ~~107~~ 35

156+00 — 156+50

SURVEY: SUBMITTED 7-7-64; PLOTTED 7-14-64; NOTE BOOK R. KOEBEL 7-64; MADE CHECKED E. OLSON 7-64; NO. 2 "... AREAS CHECKED R. MURPHY 1-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	70	145



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
156 + 50			
	~~113~~ 107		17
157			
	~~94~~ 102		9
157 + 50			

SCALE
HOR 1" = 5'
VERT. 1" = 2'

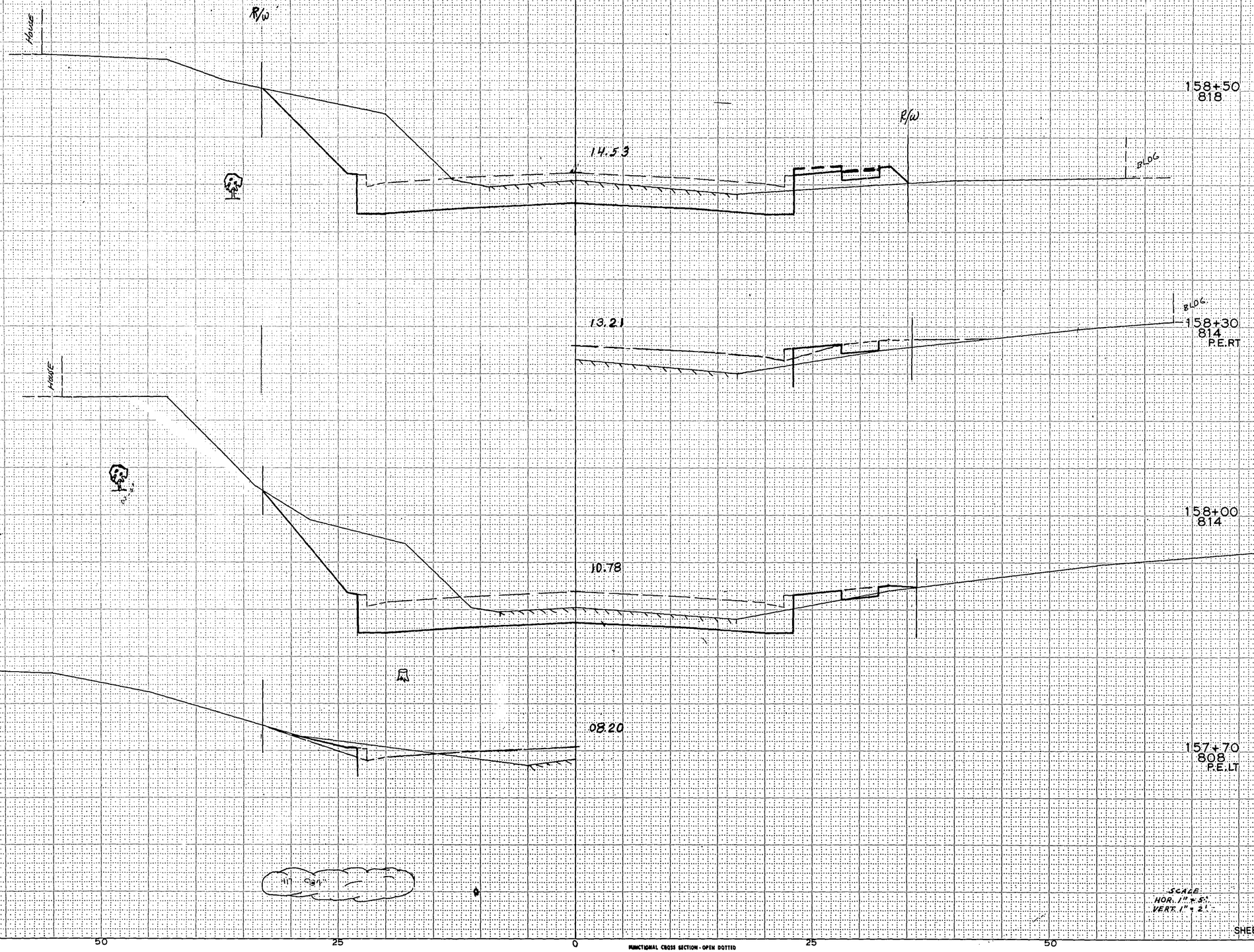
SHEET TOTAL ~~297~~ 26

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

NOTE BOOK
NO. LL
TEMPLATE
AREAS
AREAS CHECKED
F. SCHUELKE 11-64
L. ALBAN L.C.S.
R. MURPHY L.C.S.

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	71	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
157 + 50			
	115		4
158			
	~~143~~ 139		7
158 + 50			



SHEET TOTAL ~~250~~ //

157+70 — 158+50

UNIVERSAL SURVEY NOTE BOOK NO. 11	SURVEYED	R. RAUL
	PLOTTED	
	TRACED	
	AREAS	
	AREAS CHECKED	

R. CARVERS	7-64
W. HEINLEZ	8-64
F. STOLL	11-64
L. OLSON	12-64
R. MURPHY	1-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	72	145

NOTE BOOK | TEMPLATE | AREAS | MEAS CHECKED | NO.

E. SCHULTZ 11-64
L. OLSON 1-65
R. MURPHY 1-65

℄

R/W

BLDG.

18.29

18.25

16.94

15.00

R/W

STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS	YARDAGE FILL
158 + 50			
150+50 820		28	2
158 + 58		167	0
159		~~280~~ 224	0
BLDG. 159 + 50			
150+48 820 P.E.			
159+00 818 P.E.RT			
158+58 818			

SCALE
HOR. 1" = 50'
VERT. 1" = 2'

SHEET TOTAL ~~46~~ 2

25 25

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

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	50 475(2)	73	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
159 + 50			
	~~243~~ 250		0
160			
	~~220~~ 237		0
160 + 50			
	~~165~~ 241		0
161 + 50			
	STH 24		
	~~117~~ 0		0
SHEET TOTAL	~~745~~		0

161+00
818

160+79
818

160+50
820

160+00
820

18.48

18.72

B/W

B/W

BLDG.

SCALE
HOR. 1" = 5'
VERT. 1" = 2'

50 25 0 25 50

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

160 + 00 - 161 + 00

ORIGINAL SURVEY	SURVEYED	M. SLAVIK & R. GARVENS
	PLOTTED	E. SCHEELE & T. SCHMIDT
NOTE BOOK	TRIPSIE	8-64
NO. 44	AREAS	8-64
	AREAS CHECKED	R. MURPHY

SURVEY	SURVEYED	
	PLOTTED	
NOTE BOOK	TRIPSIE	
NO.	AREAS	
	AREAS CHECKED	

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	74	145

II

R/W

17.86

18.15

18.38

0.06'/.

0.06'/.

0.06'/.

STATION	DISTANCE	YARDAGE EXCAVATION Unclass	YARDAGE FILL
162+50 818			
50	~~116~~		0
161+50	~~276~~ 281		0
162	~~209~~ 209		2
162+50			
162+00 818			
161+50 818			
161+28 818			
	SHEET TOTAL	~~685~~	2

SCALE
HOR. 1" = 5'
VERT. 1" = 2'

50 25 0 25 50

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

NOTE BOOK
NO. 44
TEMPLATE
AREAS CHECKED

W. HELMRICH
R. HUGHES
R. MCDERMOTT

11-66
7-65
7-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	75	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
162 + 50			
		~~59~~ 61	26
162 + 89		2	2
162 + 91		6	15
163		~~13~~ 11	143
163 + 50			
		T-LINE	
		~~717~~ 199	668
		~~197~~	854

SHEET TOTAL

SCALE
HOR. 1"=5'
VERT. 1"=2'

15.89

17.08

17.25

17.29

R/W

163+50
810

163+00
815

162+91
815

162+89
815

50 25 0 25 50

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

SURVEY	
NOTE BOOK	
NO. 44	
SURVEYED	R. THOMPSON 11-44
PLOTTED	R. NIKRENZ 11-44
TEMPLATE	E. SCHULTZ 11-44
AREAS	L. OLSEN 11-44
AREAS CHECKED	A. MURPHY 11-45

1621.89 = 163+50

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	76	145

NOTE BOOK | TEMPLATE | AREAS | AREAS CHECKED | NO.

E. SCHWARTZ 12-64
L. OLSAU 12-64
R. MURPHY 12-64

℄

R/W

H

14.91

R/W

H

164+50
812

15.08

164+04
810
P.E. LT.

15.12

164+00
812

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
163+50			
	50	4	213
164			
		24	150
164+50			

SCALE:
HOR. 1"=5'
VERT. 1"=2'

SHEET TOTAL 28 363

50 25 0 25 50

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

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	77	145

℄

℄ 15.60 — R/W — 165+56, 815, P.E. RT

R/W — HOUSE — 15.56 — 165+50, 815

15.17 — 165+00, 814

15.07 — 164+88, 815, P.E. LT

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
164 + 50			
	~~70~~ 65		30
165			
	~~49~~ 113		0
165 + 50			

SCALE
HOR. 1" = 5'
VERT. 1" = 2½'

SHEET TOTAL ~~197~~ 30

50 25 0 25 50

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

164+88 - 165+56

ORIGINAL SURVEY — NOTE BOOK — NO. 42
SURVEYED 7-24 — R. GERVENS, R. KNOBEL
PLOTTED 7-24 — H. SLAWNIK
TEMPLATE 11-28 — F. SCHULTZ
AREAS 1-63 — A. OLSON
AREAS CHECKED 1-63 — R. MURPHY

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	78	145

NOTE BOOK NO.
TEMPLATE
AREAS
AREAS CHECKED

E. SCHULTZ 7-69
L. ALSAC 7-69
R. MURRAY 7-69

℄

R/W

16.18

166+54
816
P.E. RT

R/W

House

16.18

166+50
816

16.16

166+44
816
P.E. LT

House

15.94

166+00
815

15.76

165+77
815
P.E. LT

50 25 0 25 50

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

STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS.	YARDAGE FILL
165 + 50			
	~~47~~ 128		0
166			
	~~100~~ 107		0
166 + 50			

SCALE
HOR. 1" = 5'
VERT. 1" = 2½'

SHEET TOTAL ~~247~~ 0

B P H. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	79	145

SURVEY	SURVEYED	R. CARLSON, R. KROEBEL	2-64, 7-64, 11-64, 1-65, 2-65
NOTE BOOK	PLOTTED	E. SCHULTZ	
NO. 44	TEMPLATE	L. OLSON	
	AREAS	R. MURPHY	
	AREAS CHECKED		

STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS.	YARDAGE FILL
166			
+ 50			
		~~102~~ 107	2
167			
		~~109~~ 113	2
167 + 50			
		~~96~~ 106	0
168			
		ROSE AVE.	
		~~87~~ 0	0

168+20
818
PROFILE: ROSE AVE.

168+00
816

167+68
816
P.E. LT

167+50
816

167+00
816

SCALE
HOR. 1" = 5'
VERT. 1" = 2'

SHEET TOTAL ~~394~~ 4

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

167+00 — 168+20

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	80	145

R/W

20.16

R/W

19.04

18.02

17.82

17.46

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
168			
		~~82~~ 89	2
168 + 50			
		~~76~~ 74	6
169			
		~~72~~ 65	15
169 + 50			

169+50
8.20

169+00
8.20

168+59
8.18
P.E. LT

168+50
8.18

168+31
8.18
P.E. LT

SCALE
HOR. 1"=8'
VERT. 1"=2"

SHEET TOTAL ~~250~~ 23

50 25 0 25 50

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

NOTE BOOK
TEMPLATE
AREAS
AREAS CHECKED
NO.

E. SCHULTZ 11-64
L. OLSON 1-65
R. MURPHY 1-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	81	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
169 + 50			
		~~46~~ 57	17
170			
		# 17	6
170 + 16			

ORIGINAL SURVEY
NOTE BOOK NO. 77
SUBMITTED R. KRULL
DRAWN R. KRULL
TRACED E. SCHULTZ
TRACING L. OLSON
AREAS R. MURPHY
AREAS CHECKED R. KRULL

DATE	7-64
BY	11-64
	1-65
	1-65

FINAL SURVEY
NOTE BOOK NO.
SUBMITTED
DRAWN
TRACED
TRACING
AREAS
AREAS CHECKED

DATE
BY

R/W

20.85

H

170+16
820
P.E. LT

R/W

House

20.78

H

170+00
820

20.37

169+63
820
P.E. LT

SCALE
HOR. 1" = 5'
VERT. 1" = 2'

50 25 0 25 50

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

SHEET TOTAL ~~57~~ 23

169+63 - 170+16

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	82	145

NOTE BOOK — TEMPLATE — AREAS — AREAS CHECKED — NO.

E. SCHULTZ 11-64
L. ALLEN 1-65
E. ANTONY 1-65

NOTE BOOK — TEMPLATE — AREAS — AREAS CHECKED — NO. 11

E. SCHULTZ 11-64
L. ALLEN 1-65
E. ANTONY 1-65

℄

R/W

20.73

20.81

20.88

20.89

R/W

STATION	DISTANCE	YARDAGE EXCAVATION Unclass	FILL
170+16			
	~~38~~ 35		11
170+50			
	~~64~~ 59		7
171			

171+00
820

170+82
820
P.E. LT

170+62
820
P.E. RT

170+50
820

SCALE
HOR. 1" = 5'
VERT. 1" = 2'

SHEET TOTAL ~~83~~ 18

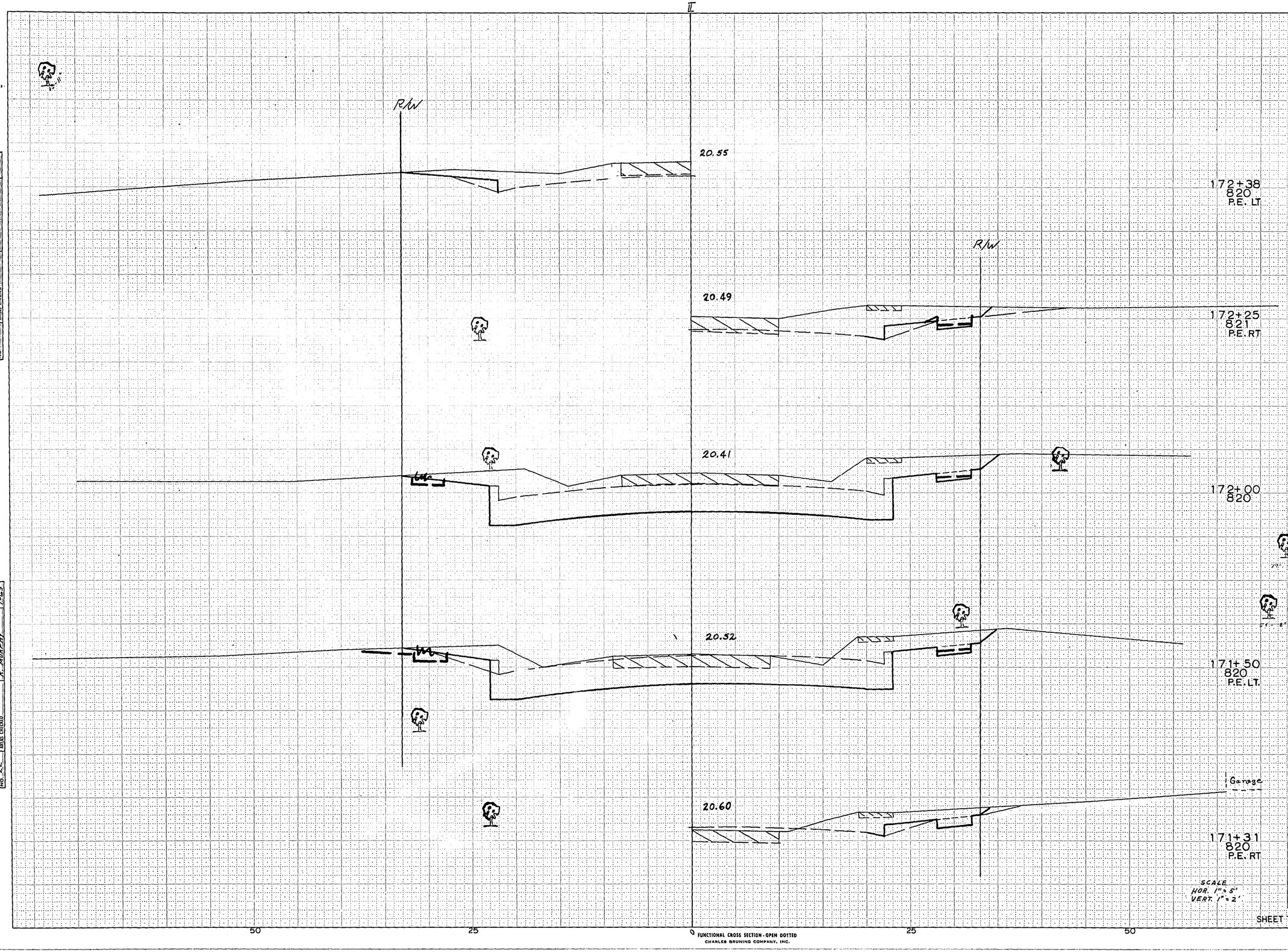
50 25 0 25 50

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

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	83	145

SURVEY NOTE BOOK NO.	PLOTTED	E. MOSER
	TRACED	E. SCHULZ
	AREAS	J. GRAU
	AREAS CHECKED	R. MURPHY

SURVEY NOTE BOOK NO. 44	PLOTTED & X.M. 344 HWY.	E. MOSER 1-64
	TRACED	E. SCHULZ 1-64
	AREAS	J. GRAU 1-64
	AREAS CHECKED	R. MURPHY 1-65



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
171			
	~~102~~ 100		2
171 + 50			
	~~148~~ 152		0
172			
SHEET TOTAL		~~250~~	2

SCALE
HOR. 1" = 5'
VERT. 1" = 2'

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

171+31 - 172+38

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	84	145

℄

R/W

21.25

173+81
821
P.E. LT

R/W

21.06

173+50
820

20.82

173+00
820

20.73

172+78
820
P.E. RT

20.61

172+50
820

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
172			
		~~163~~ 159	0
172 + 50			
		~~161~~ 157	0
173			
		~~159~~ 150	0
173 + 50			

SCALE
HOR. 1" = 5'
VERT. 1" = 2'

SHEET TOTAL ~~150~~ 0

50 25 0 25 50

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

NOTE BOOK
TEMPLATE AREAS
AREAS CHECKED
NO.

E. SCHULTZ 11-64
L. OLSON 1-65
R. MURPHY 1-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	85	145

SURVEY	
NOTE BOOK	
NO. LC	

SURVEY: INITIALS — PLOTTED: F.J.M. SLAWIK — TEMPLATE: E. SCHUETZ — HAND: R. MURPHY — AREAS CHECKED: T.C.K. 11-63, J.C.L. 11-63, R.C.E. 11-63

R/W

21.70

174+45
822

R/W

21.66

174+40
822

21.53

174+26
820
P.E. ⊔

21.47

174+15
820
PROFILE MAPLE AVE.

21.37

174+00
821

50 25 0 25 50

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

SCALE
HOR. 1" = 5'
VERT. 1" = 2'

STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS.	YARDAGE FILL
173 + 50			
	~~146~~ 144		2
174			
	~~111~~ 120		2
174 + 40			
	17		0
174 + 45			
	MAPLE AVE		
	~~79~~ 0		0
SHEET TOTAL	~~333~~		4

174+00 - 174+45

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	50 475 (2)	86	145

NOTE BOOK NO. | TEMPLATE AREAS AREAS CHECKED

E. SCHULTZ 10-64
K. KOCH 1-65
R. MURPHY 1-65

NOTE BOOK NO. 77 | TEMPLATE AREAS AREAS CHECKED

STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS.	YARDAGE FILL
176+50 822			
174 + 45			
	~~183~~ 187		0
175			
	~~140~~ 161		0
175 + 50			
176+13 822 PE	~~199~~ 143		0
176			
	~~119~~ 124		0
176 + 50			
176+00 822			
175+81 822 PE			
175+50 822			
175+00 824			
SHEET TOTAL	~~509~~		0

23.60

23.26

23.14

22.96

22.67

22.20

R/W

R/W

50 25 0 25 50

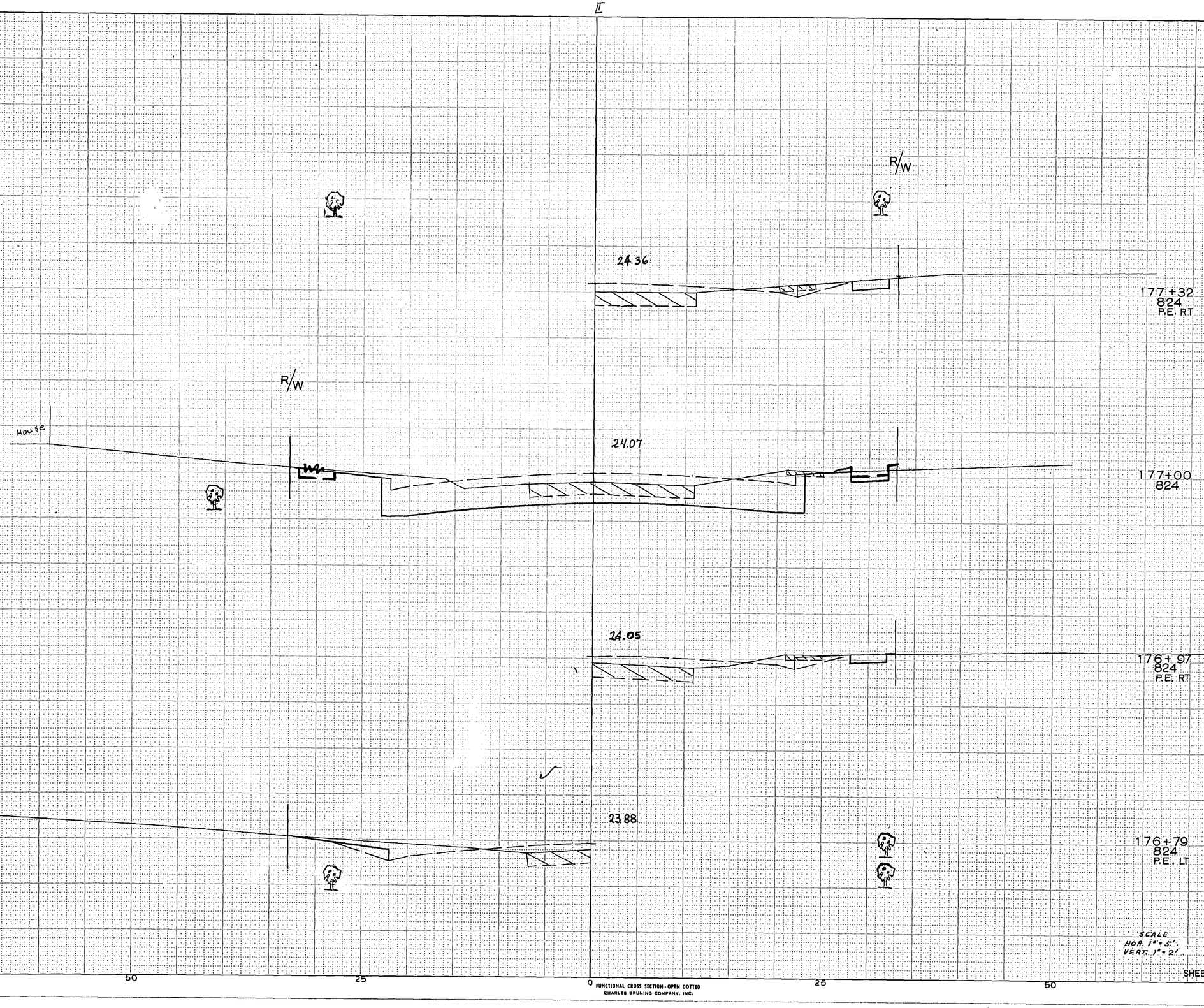
SCALE
HOR. 1" = 5'
VERT. 1" = 2'

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

175+00 - 176+50

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	87	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
176 + 50			
	~~93~~ 106		0
177			



SCALE
HOR. 1" = 5'
VERT. 1" = 2'

SHEET TOTAL ~~93~~ 0

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

176+79 - 177+32

JOINT NOTE BOOK NO. LL
PLOTTED BY M. SCHWIND, T. HOWELL
FURTHER MEAS BY E. SCHULTZ, A. OLSON, R. MURPHY
AREAS CHECKED
PLOTTED 11-64
11-65
1-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	88	145

℄

R/W

25.24

178+50
826

25.08

178+18
824
P.C. LT

24.97

178+00
824

24.54

177+50
824

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
177			
	~~70~~ 93		0
177 + 50			
	~~70~~ 96		2
178			
	~~85~~ 111		2
178 + 50			

SCALE
HOR. 1" = 5'
VERT 1" = 2'

SHEET TOTAL ~~241~~ 4

50 25 0 25 50

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

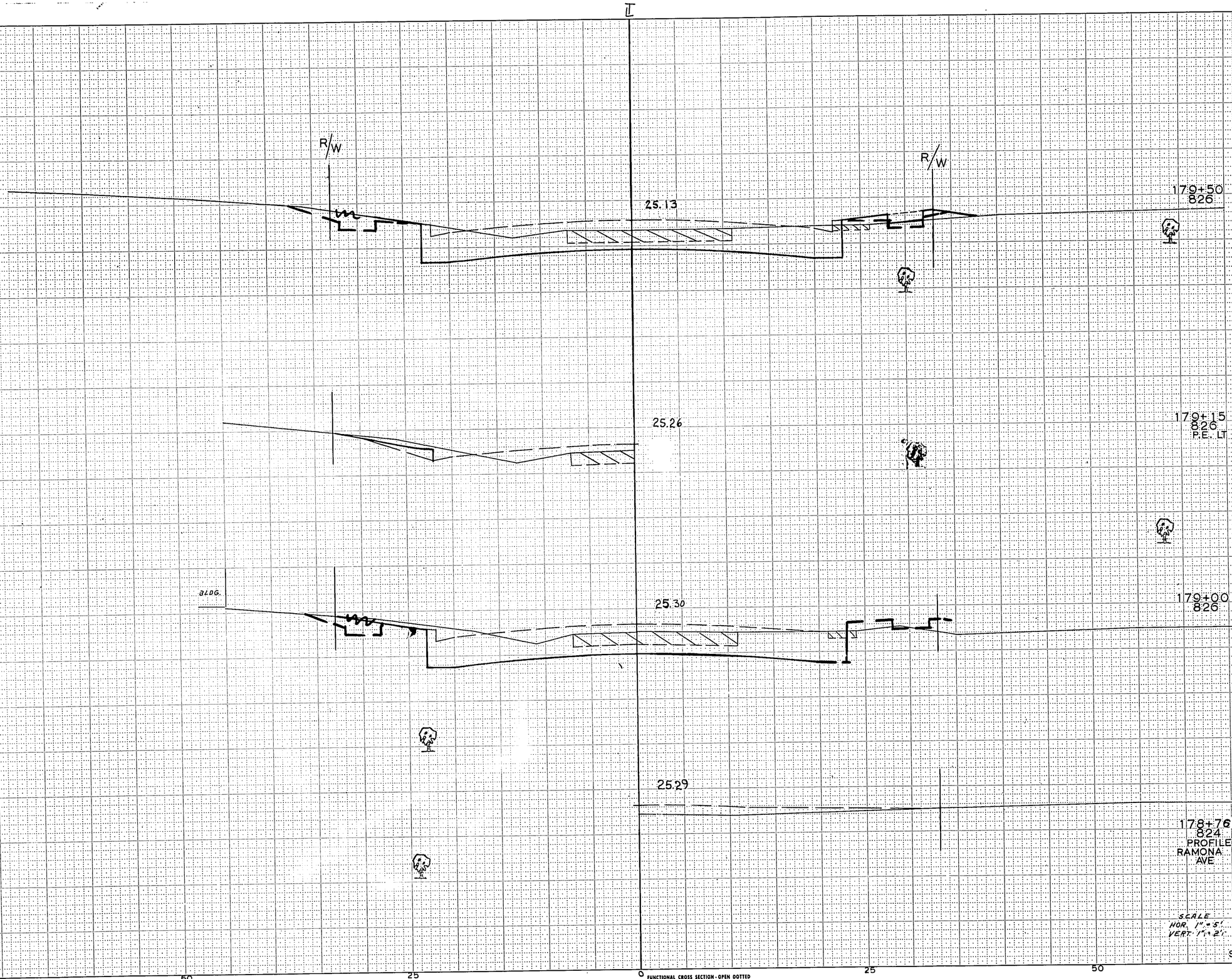
NOTE BOOK NO. 11 | TEMPLATE | AREAS | AREAS CHECKED

L. Dixon 1/-64
L. Dixon 1/-65
R. Murphy 1/-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	89	145

SURVEY	MARKED	
	PLOTTED	K. M. SEAMAN
	TEMPLATE	
NOTE BOOK	AREAS	
NO. 44	AREAS CHECKED	

K. HEMMICK	2-64	
E. Sparks	1-65	
L. Olson	1-65	
R. Murphy	1-65	



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
178 + 50			
		~~92~~ 98	2
179		~~72~~ 170	2
179 + 50			
	Ramona Ave.		
		~~50~~ 0	0

SCALE
HOR. 1" = 5'
VERT 1" = 2'

SHEET TOTAL ~~204~~ 4

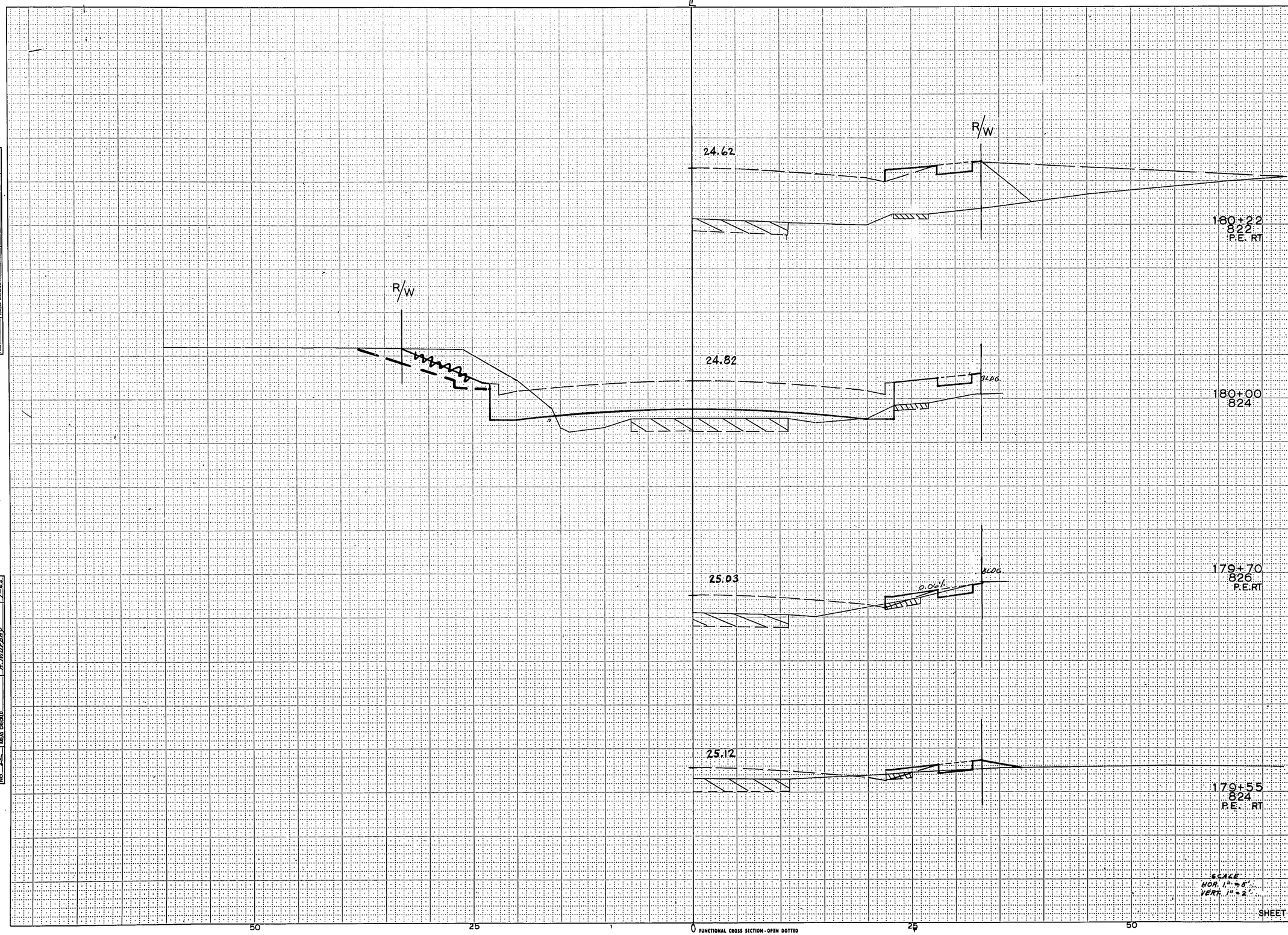
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

178+78 - 179+50

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	90	145

NOTE BOOK | TEMPLATE AREAS | AREAS CHECKED | NO.

E. Schutte	12-64
L. Odom	1-65
R. Mucaby	1-65



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
179 + 50			
	52	52	
	139		22
180			
180+22 822 P.E. RT			
180+00 824			
179+70 826 P.E.RT			
179+55 824 P.E. RT			
SHEET TOTAL		52	22

SCALE
HOR. 1" = 5'
VERT. 1" = 2'

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

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	91	145

℄

R/W

24.14

R/W

181+00
822

24.23

180+75
822

HOUSE

24.38

180+50
822

STATION	DISTANCE	YARDAGE EXCAVATION U/CLASS	YARDAGE FILL
180			
		~~32~~ 82	107
180+50			
		7 9	128
180+75			
		~~0~~ 0	211
181			
SHEET TOTAL		~~39~~	446

SCALE
HORIZ: 1" = 5'
VERT: 1" = 2'

50 25 0 25 50

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

180+50 — 181+00

SURVEY | PLOTTED | NOTE BOOK | TEMPLATE | AREAS | NO. | AREAS CHECKED

PLOTTED R.L. Heuhuse 9-24
TEMPLATE B.S. Schacht 12-64
AREAS A. Murphy 1-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	92	145

R/W

24.35

181+74
822

R/W

24.21

181+50
820

24.13

181+14
822

SCALE
HORIZ.: 1" = 5'
VERT.: 1" = 2'

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
181			
		0	144
181 + 14			
		0	372
181 + 50			
		0	215
181 + 74			

SHEET TOTAL 0 731

50 25 0 25 50

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

181+14 — 181+74

NOTE BOOK
NO. 777
TURTLE
TEMPLATE
AREAS
AREAS CHECKED

"ESTIMATE"
L. GIBSON
R. MURPHY
11-66
1"=5'
1"=5'

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	93	145

SURVEY	SURVEYED PLOTTED TEMPLATE AREAS CHECKED
NOTE BOOK	
NO.	

Alignment Datum	6-24
Profile Datum	7-24
Scale 1" = 5' H	7-65
1" = 10' V	7-65
Plotted by	
Checked by	

R/W

R/W

25.22

24.58

SHED

182+50
820

182+00
820

SCALE
HORIZ.: 1" = 5'
VERT.: 1" = 2'

50 25 0 25 50

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

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
181 + 74			
	2/6		169
182			
	4/6		217
182 + 50			

SHEET TOTAL 6 386

182+00 - 182+50

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	94	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass	YARDAGE FILL
182+50			
	32		85
183			
	~~68~~ 82		6
183+50			
	~~100~~ 102		9
184			

R/W

26.49

184+00
826

Porch

House

R/W

26.24

183+50
826

25.82

183+00
824

SCALE
HORIZ. 1" = 5'
VERT. 1" = 2'

50 25 0 25 50

FUNCTIONAL CROSS SECTION - OPEN DOTTED

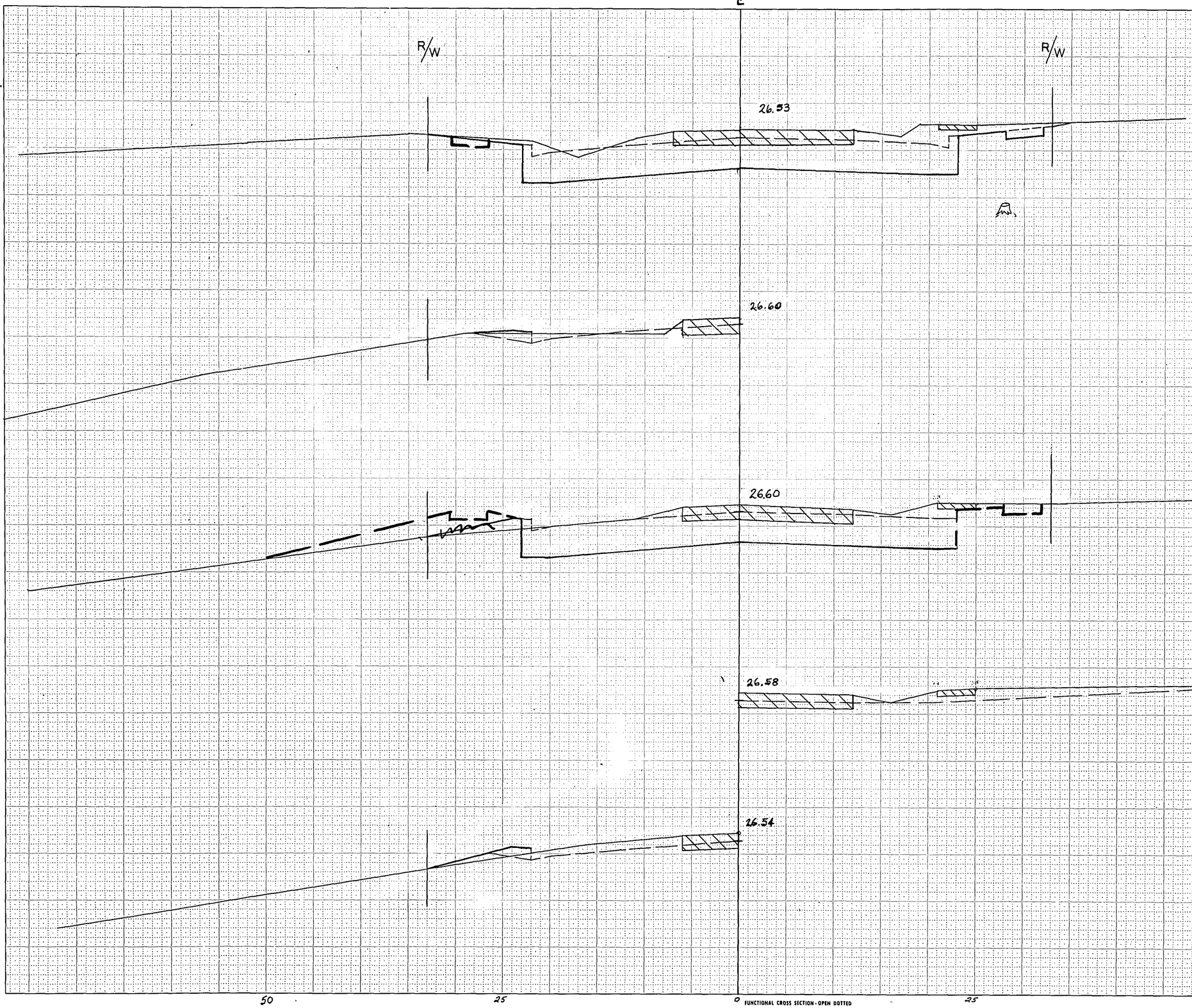
SHEET TOTAL ~~212~~ 100

NOTE BOOK
NO.

TEMPLATE
AREAS
AREAS CHECKED

L. SCHULTZ 12-64
L. OLSON 1-65
R. MURPHY 1-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	95	145



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
184			
	~~104~~ 109		7
184 + 50			
	~~45~~ 124		2
185			
	PARK AVE.		
	~~79~~ 0		0
SHEET TOTAL	~~288~~		9

PLOTTED W.L.
TRACED
AREAS
NOTE BOOK
AREAS CHECKED
NO.

PLOTTED W.L. 11-64
TRACED E.C. 11-64
AREAS J. Olson 11-64
NOTE BOOK R. Murphy 1-65
NO. L.

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

184+18 — 185+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	96	145

R/W

26.73

186+50
826

26.69

186+42 P.E. RT.
826

R/W

-26.48

186+00
826

26.34

185+62 P.E. LT.
828

26.40

185+50
828

SCALE
HORIZ. 1"=5'
VERT. 1"=2'

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
185			
		~~144~~ 198	0
185+50			
		~~165~~ 170	0
186			
		~~157~~ 170	0
186+50			
SHEET TOTAL		466	0

NOTE BOOK NO. L-L
TEMPLATE USED
AREAS CHECKED

K. SCHULTZ 11-63
E. Olson 1-65
R. Murphy 2-65

50 25 0 25 50

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

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	97	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
186+50			
	~~+39~~ 156		2
187			
	~~+38~~ 143		6
187+50			

R/W

R/W

27.30

187+65 P.E. LT.
828

27.23

187+50
828

27.22

187+47
828

26.98

187+00
828

26.89

186+82 P.E. LT.
828

APT. BLDG.

SURVEY
NOTE BOOK
NO. J.L.

PLOTTED
TOTALED
TEMPLATE
AREAS
AREAS CHECKED

K.W. Reinhardt
E. Schultz
L. Olson
R. Murphy

7-64
7-65
7-65

SCALE
HORIZ.: 1" = 5'
VERT.: 1" = 2'

SHEET TOTAL ~~267~~ 8

50 25 0 25 50

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

186+82 – 187+65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	98	145

NOTE BOOK NO. | TEMPLATE | AREAS | AREAS CHECKED

E. Schuette 11-64
A. Olson 1-65
R. Murphy 1-65

TAN & TEST.

HOUSE

R/W

28.11

189+26 P.E. RT.
828

27.98

189+00 P.E. LT.
828

27.88

188+81 P.E. RT.
828

27.73

188+50
828

27.48

188+00
828

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
187 + 50		~~119~~ 124	9
188		~~107~~ 113	7
188 + 50		~~104~~ 117	4
189			
SHEET TOTAL		~~330~~	20

SCALE
HORIZ. 1" = 5'
VERT. 1" = 2'

50 25 0 2.5 50

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

BPR REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	50475(2)	99	145

R/W

28.73

R/W

190+50
828

HOUSE

28.50

190+03 P.E. RT.
828

28.48

190+00
828

28.23

189+50
828

SURVEY NOTE BOOK NO. L-L | PLOTTED TEMPLATE AREAS CHECKED | HILLSBOROUGH-MADISON | E. SCHOLTZ 11-64 | R. OLSON 1-65 | R. NIELSEN 1-65

SCALE
HORIZ: 1" = 5'
VERT: 1" = 2'

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
189			
	~~102~~ 115		6
189 + 50			
	~~91~~ 109		7
190			
	~~69~~ 78		15
190 + 50			
SHEET TOTAL		~~262~~	28

50 25 0 25 50

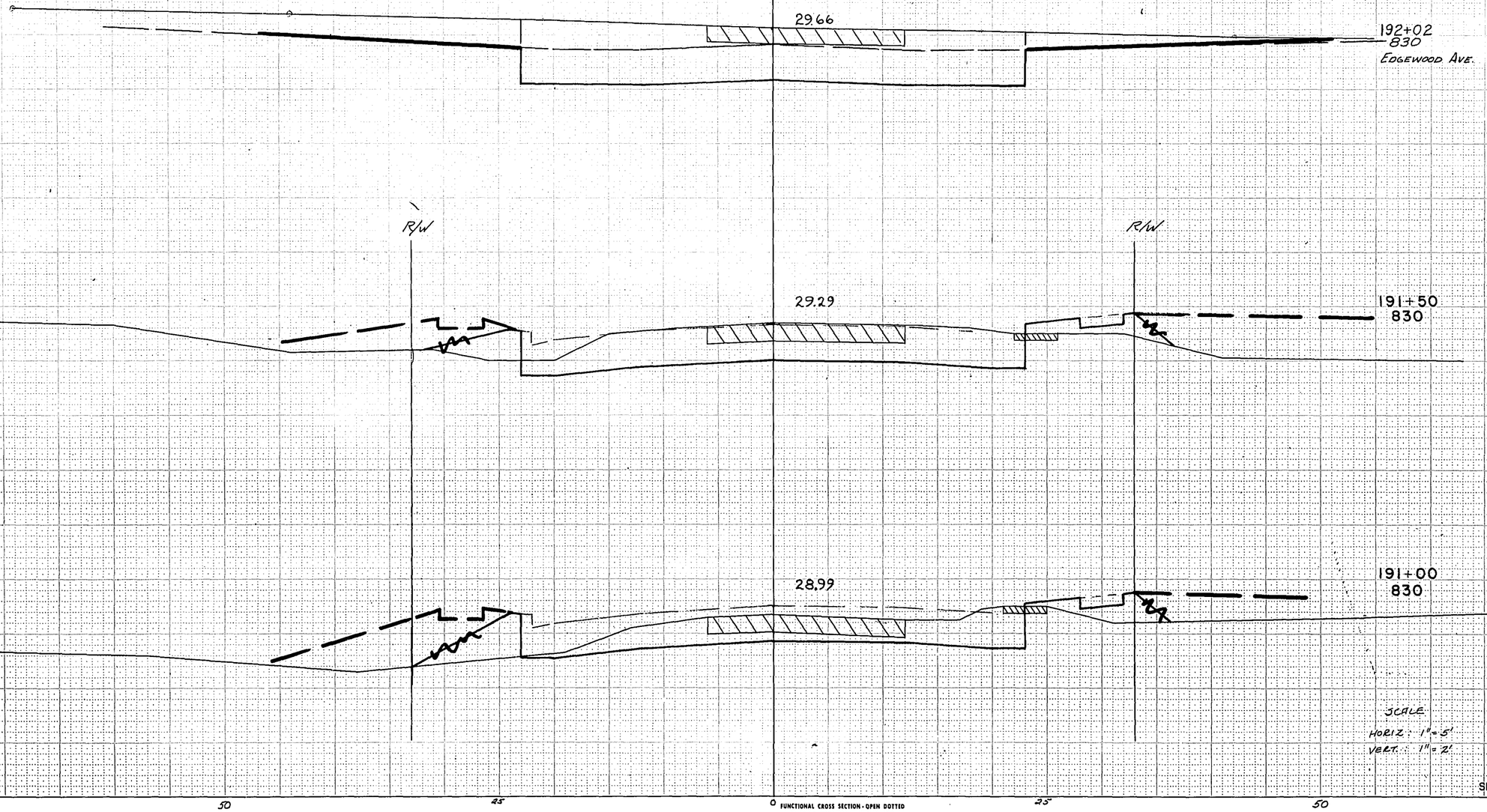
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

189+50 – 190+50

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	100	145

NOTE BOOK	TEMPLATE AREAS	AREAS CHECKED
NO.		

NOTE BOOK	TEMPLATE AREAS	AREAS CHECKED
NO. 11		E. Schultz 2/68
		L. Olson 7-25
		R. Murphy



STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS	FILL
190 + 50			
		~~53~~ 54	24
191		69	24
191 + 50		~~124~~	2
192 + 02		157	
		EDGEWOOD AVE.	
		~~155~~ 0	0
		SHEET TOTAL ~~400~~	50

SCALE
HORIZ: 1" = 5'
VERT: 1" = 2'

50 45 0 25 50

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

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 0475(2)	101	145

SURVEY NOTE BOOK NO. LL
SUBMITTED PLOTTED TEMPLATE AREAS AREAS CHECKED

I-64 W. SCHULTZ
I-64 E. CARBONE
I-65 J. GIBSON
I-65 R. MURPHY

REVISIONS

II

R/W R/W

SCHOOL 30.43

194+79
830
PE

194+00
830
P.E. LT.

SCHOOL 30.15

193+00
830

29.90

192+50
830

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
192 + 02		~~167~~ 200	0
192 + 50		~~200~~ 209	0
193		~~389~~ 393	0
194			
		802	
		~~756~~	0

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL

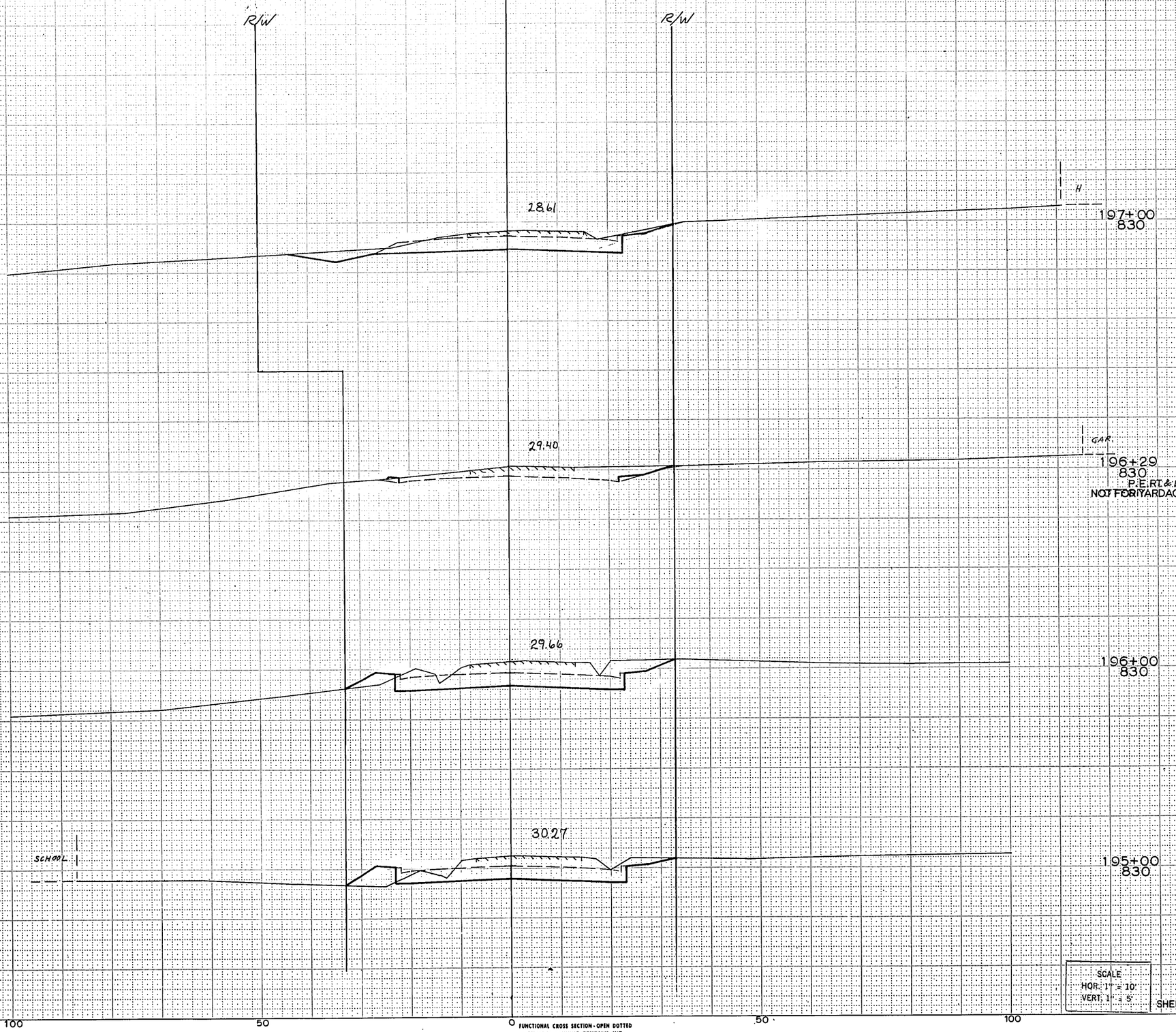
100 50 0 50 100

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

+54 192+50 - 194+79

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	102	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
194		~~352~~ 328	15
195		~~370~~ 333	19
196		~~359~~ 343	4
197			



SCALE
HOR. 1" = 10'
VERT. 1" = 5'

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

SHEET TOTAL 1004 38

NOTE BOOK — NO. LL
TEMPLATE AREAS
AREAS CHECKED

E. Schultz
C. Olson
R. Murphy

77

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	90475(2)	103	145

SURVEY	
NOTE BOOK	
NO. 77	

PLOTTED E.K. E. CAPARON T. WOEBEL 7-64
TEMPLATE E. SCHULTZ 7-65
AREAS J. COOK 7-65
MASS CHECKED R. MURPHY 7-65

STATION	DISTANCE	YARDAGE EXCAVATION Unclass	FILL
197			
		~~344~~ 343	0
198			
		~~317~~ 344	7
199			

R/W

25.83

HOUSE

199+00
825

R/W

26.14

198+74
825
P.E. RT

27.20

HOUSE

198+00
830

27.93

197+50
830
P.E.

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

100 50 0 50 100

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

SHEET TOTAL 787 ~~661~~ 7

+126

197+50 - 199+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	104	145

NOTE BOOK — NO. —
TIMPLATE AREAS
AREAS CHECKED

E. Schultz 11-64
W. Cooper 1-65
R. Murphy

201+00
825

200+22
825
P.E. RT

200+10
825
DRAINAGE

200+00
825

199+56
825
P.E. RT

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
199			
	~~209~~ 243		59
200			
	~~174~~ 180		89
201			

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL ~~397~~ 442.3 148

+40

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

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	105	145

SURVEY | NOTE BOOK | NO.
PLOTTED
TEMPLATE
AREAS
LINES CHECKED

SURVEY | NOTE BOOK | NO. 44
PLOTTED E. CARLSON
TEMPLATE
AREAS
LINES CHECKED
T. KNOEBEL 7-64
E. SCHULTZ 7-64
L. OLSON 7-65
R. MURPHY 7-65

℄

R/W

26.77

GAP.

201

202

STATION

DISTANCE

YARDAGE

EXCAVATION

Unclass.

FILL

~~276~~ 241

37

202+75
825
P.E. RT

R/W

℄

26.39

21.3

202+00
825

25.98

201+66
825
P.E. RT

GAP.

25.85

201+49
825
P.E. RT

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL ~~276~~ 241 37

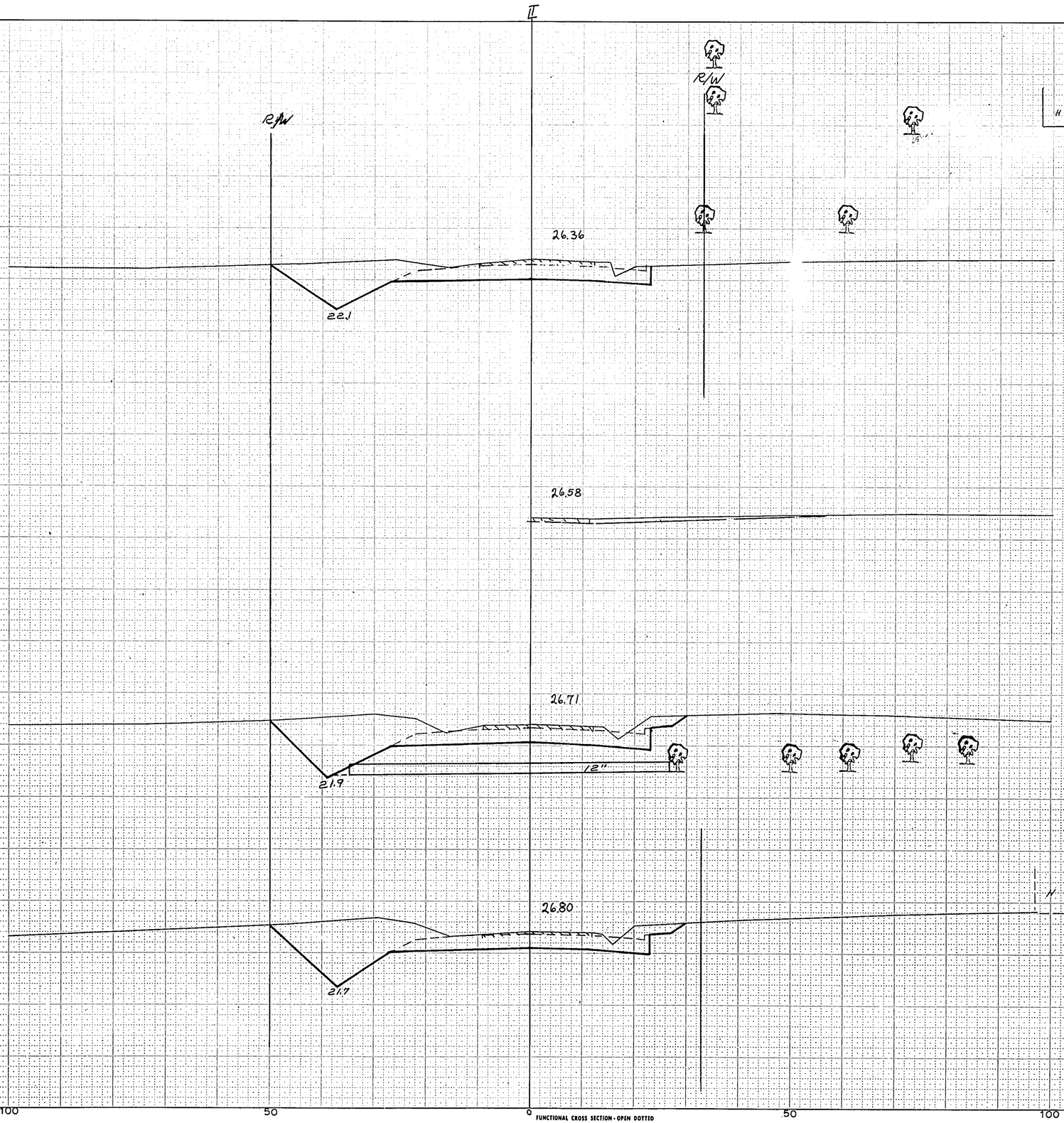
-35

201+49 - 202+75

100 50 0 50 100

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

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	106	145



STATION	DISTANCE	YARDAGE EXCAVATION Unless	FILL
202			
		~~526~~ 450	0
203			
		~~270~~ 263	0
203 40			
		~~378~~ 354	0
204			
		MARDITH AVE	
		~~79~~ 0	0
204+00 825			
203+67 825 PROFILE MARDITH AVE			
203+40 825			
203+00 825			
		1067	
		SHEET TOTAL ~~1853~~	0

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

100 50 0 50 100

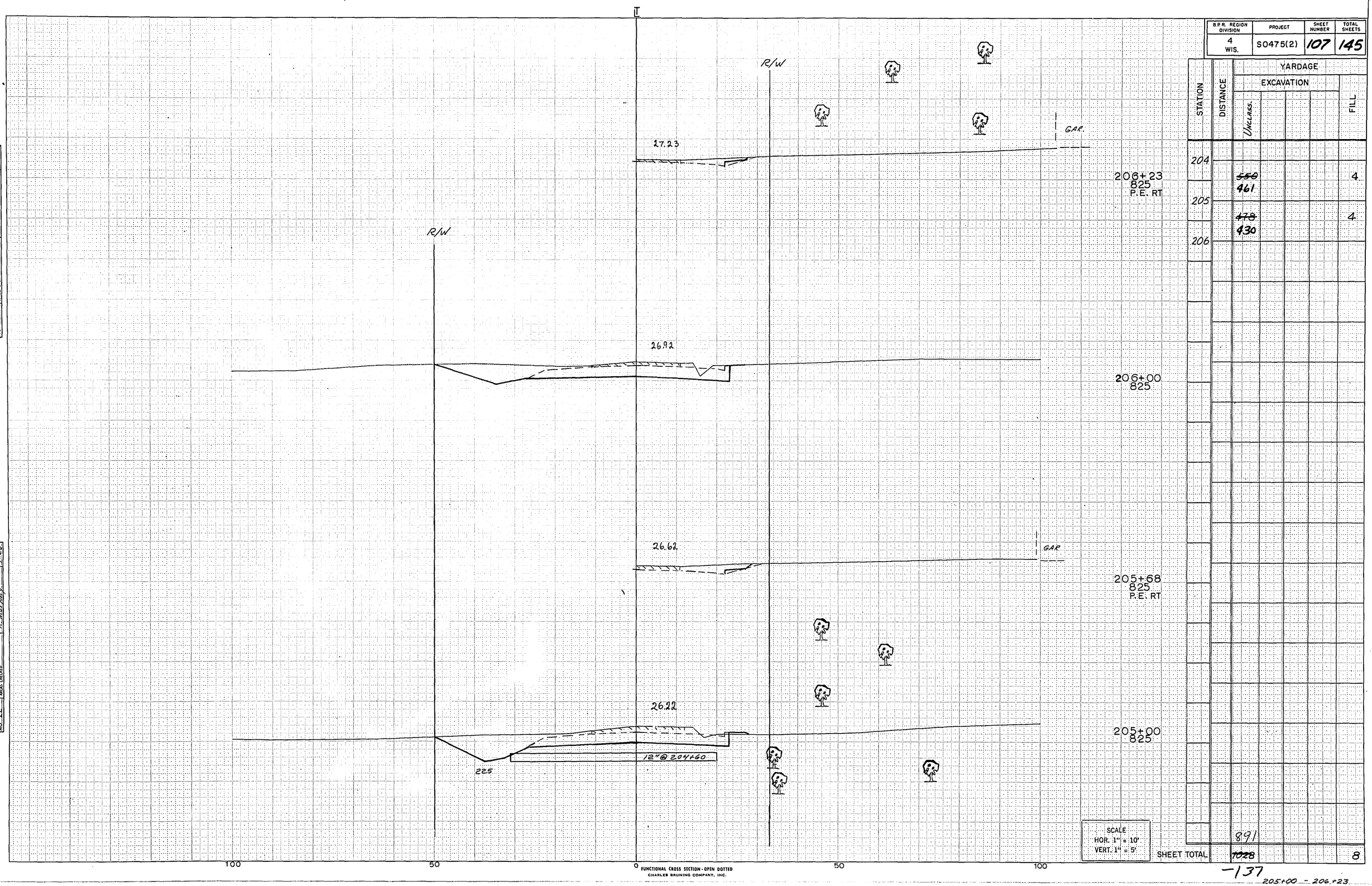
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHANLER ENGINEERING COMPANY, INC.

NOTE BOOK NO. 77
TEMPLATE
AREAS
AREAS CHECKED
E. Schultz
L. Olson
R. Murphy
1-64
1-65
1-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	107	145

SURVEY	JUNETEEN
NOTE BOOK	PLOTTED BY E. CARROW
NO. 11	TRACED
	AREAS
	AREAS CHECKED

T. KNOEBEL	7-64
E. SCHMITZ	7-64
R. MURPHY	7-65



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

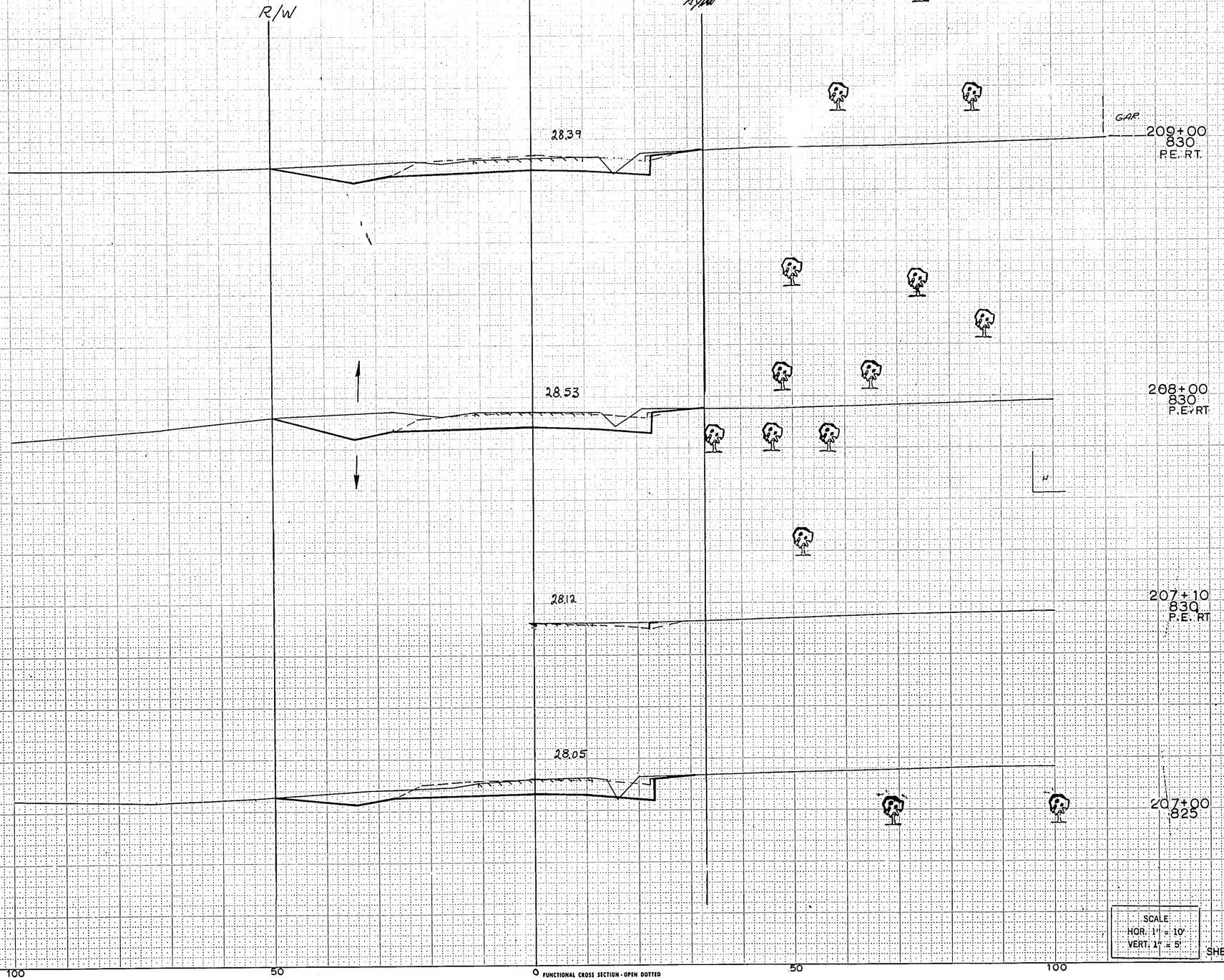
SCALE
HOR. 1" = 10'
VERT. 1" = 5'

STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS.	YARDAGE FILL
204			
		~~550~~ 461	4
205			
		~~478~~ 430	4
206			
SHEET TOTAL		~~1028~~ 891	8

-137

205+00 - 206+23

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	108	145



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	EXCAVATION			FILL
206						
		~~374~~ 352				0
207						
		~~359~~ 320				0
208						
		~~367~~ 324				0
209						
		996				
SHEET TOTAL		~~1199~~				0

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

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

NOTE BOOK
NO.
TEMPLATE
AREAS
AREAS CHECKED

E. Schulte 11-64
L. Olson 1-65
R. Murphy 1-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	109	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass	FILL
209			
		~~274~~ 259	4
210			
		~~144~~ 135	37
211			
		~~104~~ 102	120
212			

R/W 25.09 R/W GAR 212+00 815

26.23 211+00 815

27.60 210+00 830

27.72 GAR 209+89 830 P.E. RT

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

100 50 0 50 100

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

SHEET TOTAL ~~522~~ 496 161

209+89 - 212+00

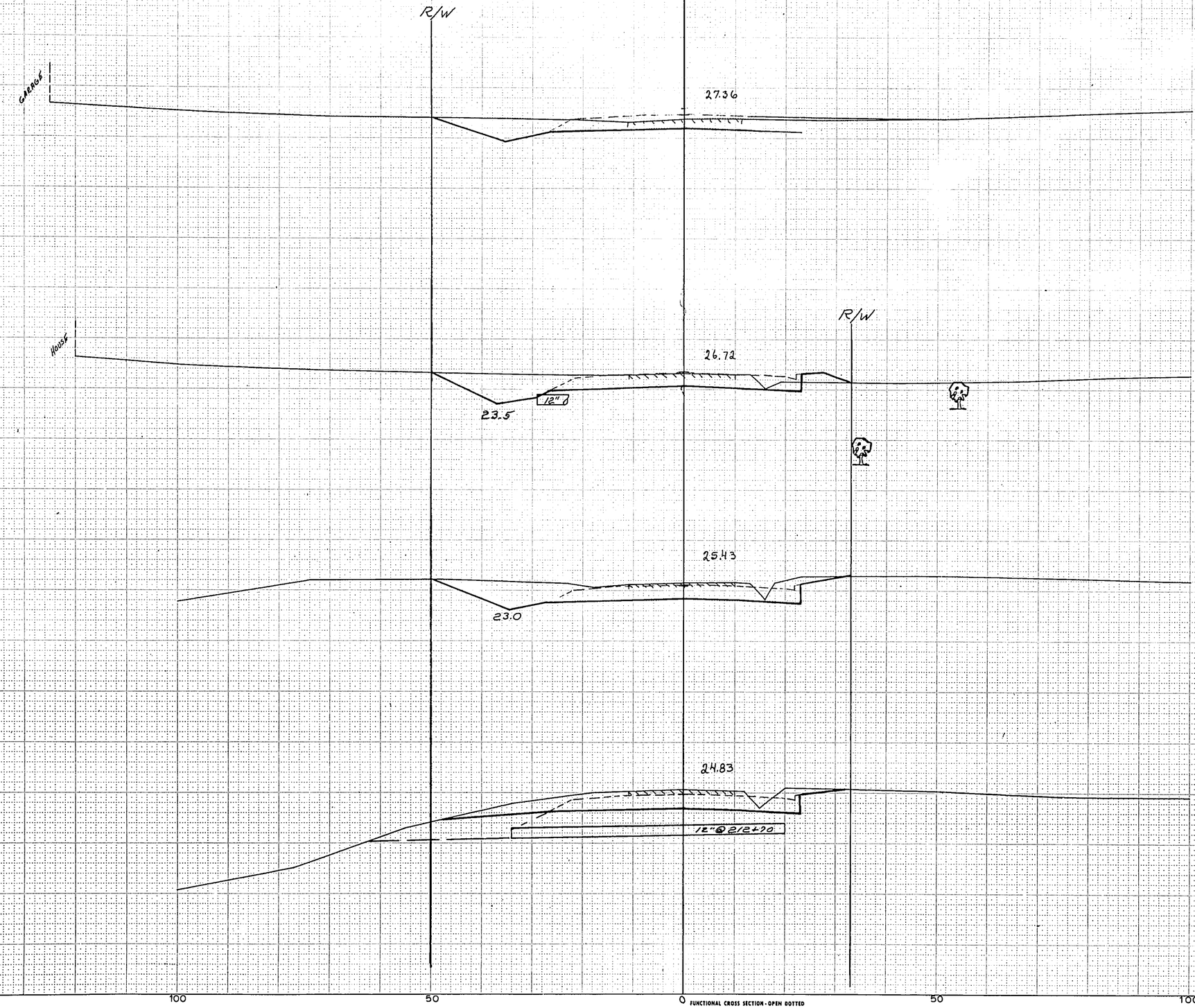
JOINT	PLOTTED BY L. KNOEBEL
NOTE BOOK	TEMPLATE E. SCHULTE
NO. 44	AREAS FIGURED T. HOFFMAN
	AREAS CHECKED R. MURPHY

2-67	
2-66	
2-65	

BPR REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	110	145

NOTE BOOK — TEMPLATE — AREA — MASS CHECKED — NO.

E. Schultz — V-64
R. Olson — I-65
R. Murphy — I-65



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
212			
		~~270~~ 248	87
213		~~407~~ 393	0
214		~~370~~ 404	11
215			
		MARDITH AVE	
		~~50~~ 0	0
		1045	
		~~1097~~	98

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL

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

-52

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	111	145

SURVEY	SURVEYED	A. VANSEVEN	8-64
	PLOTTED	J. HUBBARD	8-64
NOTE BOOK	TRACED	K. KASTMAN	10-64
	CHECKED	J. OLSEN	11-64
NO. 44	AREAS	J. OLSEN	1-65
	AREAS CHECKED	R. MURPHY	1-65

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
215			
	~~249~~ 256		17
216			

31.09

216+87
830
P.E. LT

A
825
A

S

B
820
B

R/W

R/W

30.11

72" x 44'

B

B

A

216+55
825
NOT FOR YARDAGE

A

28.66

BACK

AHEAD

216+00
825

100 50 0 50 100

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

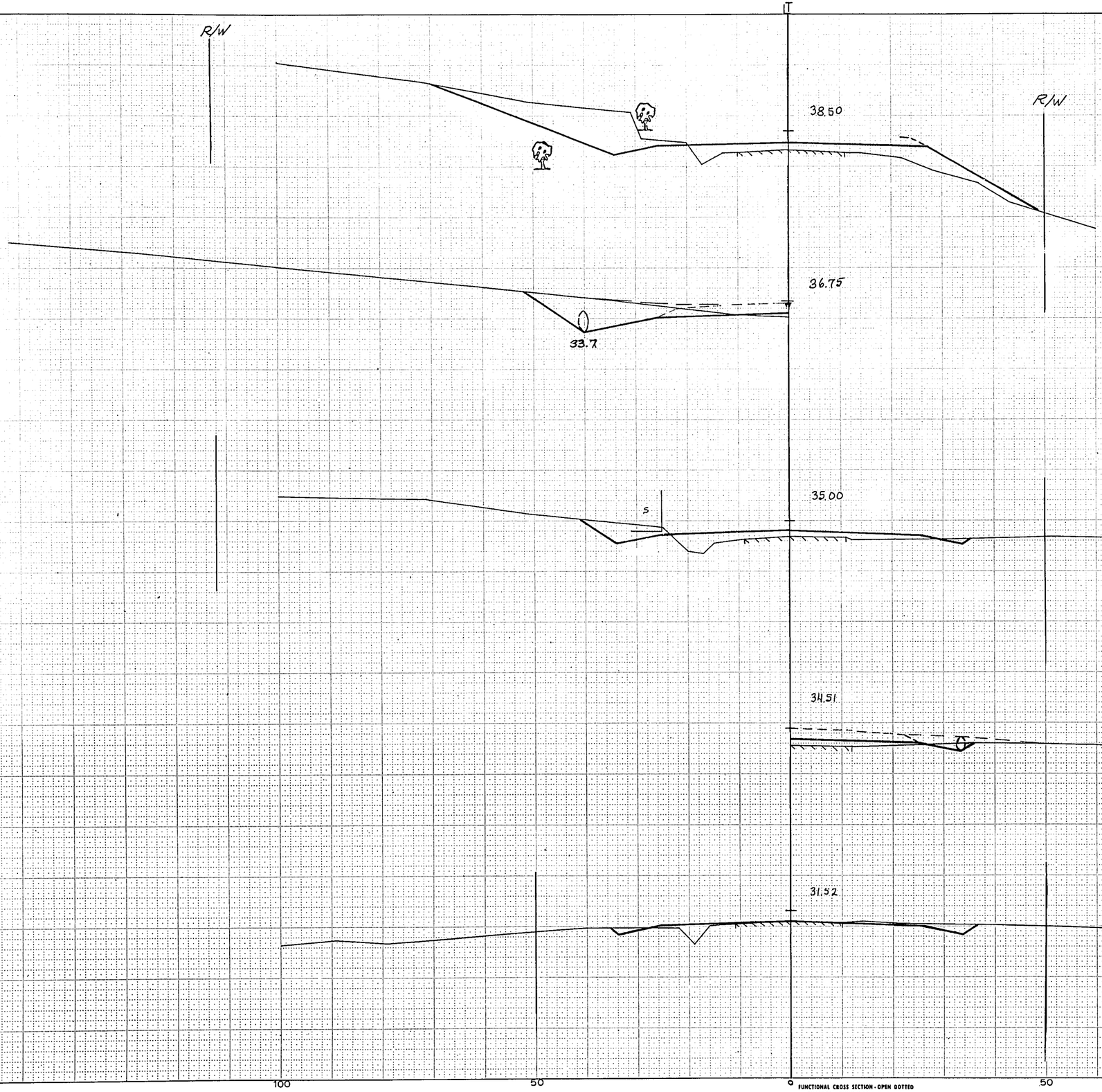
SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 256 ~~249~~ 17

+7

216+00 - 216+87

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	112	145



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
219+00 840			
216		115 ~~90~~ ~~95~~	~~43~~ 34 ~~33~~
217		107 ~~77~~ ~~78~~	65 ~~64~~ ~~63~~
218		209 ~~219~~ ~~211~~	209 ~~175~~ ~~204~~
218+50 835 ARTESIAN AVE.			
219			
		ARTESIAN AVE.	
		0	0
218+00 830			
217+86 830 PE.			
217+00 830			
		431	
	SHEET TOTAL	~~386~~	~~273~~

+45

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

100 50 0 50 100

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

NOTE BOOK
TEMPATE AREAS
AREAS CHECKED
NO.

NOTE BOOK
TEMPATE AREAS
AREAS CHECKED
NO. 77

F. Schultz IBM
11-64 2-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	113	145

SURVEY NOTE BOOK NO. 11 — PLOTTED E THOMSEN — TEMPLATE K EASTMAN — AREAS E SMITH — AREAS CHECKED BBM

B=44 1242 2=62

SURVEY NOTE BOOK NO. — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

R/W

50.32

INLET 48" @ +88

46.08

43.95

42.02

R/W

221+88
840
NOT FOR YARDAGE

221+00
840

220+50
840

220+00
835

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
219			
		~~444~~	~~226~~
		517	296
220		~~245~~	~~116~~
		~~221~~	~~87~~
220 + 50		252	
		~~146~~	~~216~~
		~~112~~	222
221		109	

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 878 ~~835~~ ~~777~~ 558

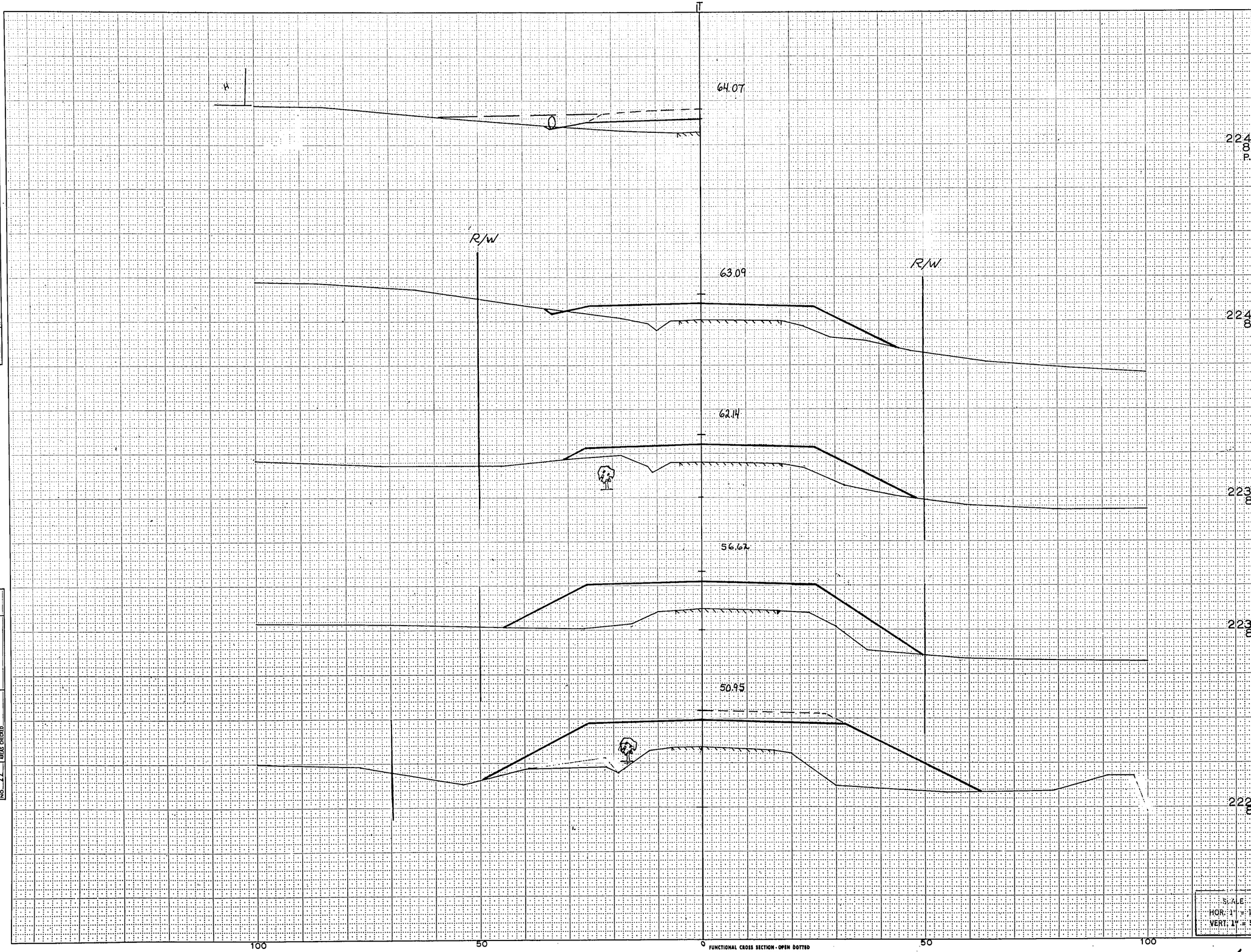
100 50 0 50 100

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

+43 220+00 - 221+88

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	114	145

NOTE BOOK — NO. 11 — TEMPATE AREAS — AREAS CHECKED — E. Smith 1847 — Dist 2-65



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
224+14 860 P.E. LT			
221			
		~~73~~ 96	~~945~~ 981
222			
		0	~~1193~~ 1196
223			
		0	~~682~~ 675
223+86			
		0	~~67~~ 68
224+00 860			
224			
		CTH "U"	
		~~2173~~ 2022	13297
223+86 855			
223+00 850			
222+00 840			
			2268

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 2246 22194

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

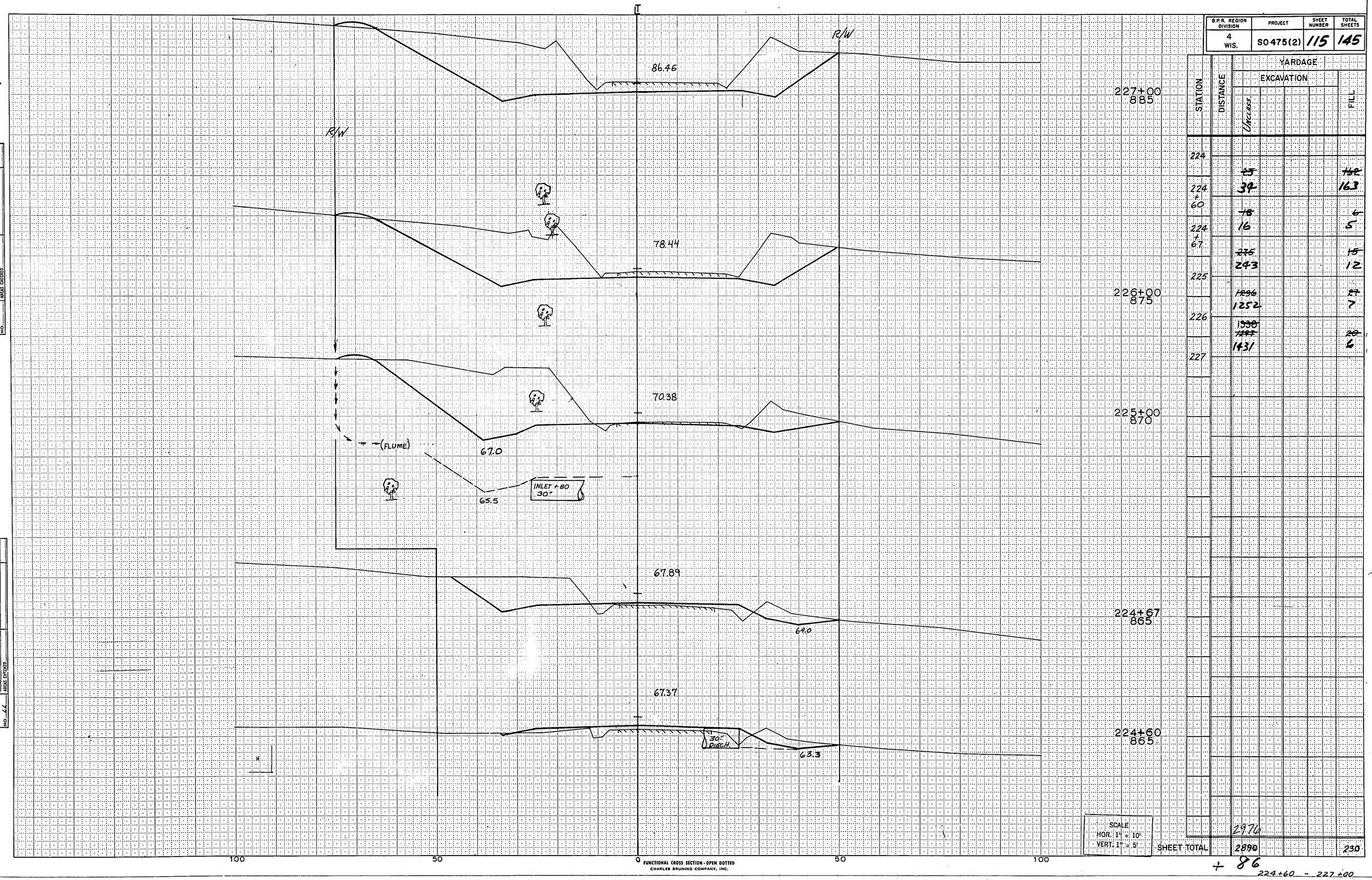
-178
of this -151 on CTH "U"

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	115	145

SURVEY — SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED
NOTE BOOK
NO.

P. WARREN
COMPUTED J.E. EVANSON
CHECKED J. KLEIMAN
TRACED E. Shultz
AREAS 1.B.M.
AREAS CHECKED

8-64
11-64
2-65



STATION	DISTANCE	YARDAGE EXCAVATION	YARDAGE FILL
224		~~25~~	~~162~~
		39	163
224 + 60		~~78~~	~~6~~
		16	5
224 + 67		~~275~~	~~15~~
		243	12
225		~~1896~~	~~27~~
		1252	7
226		~~1930~~	~~20~~
		~~1287~~	
		1431	6
227			

227+00
885

226+00
875

225+00
870

224+67
865

224+60
865

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 2890 230

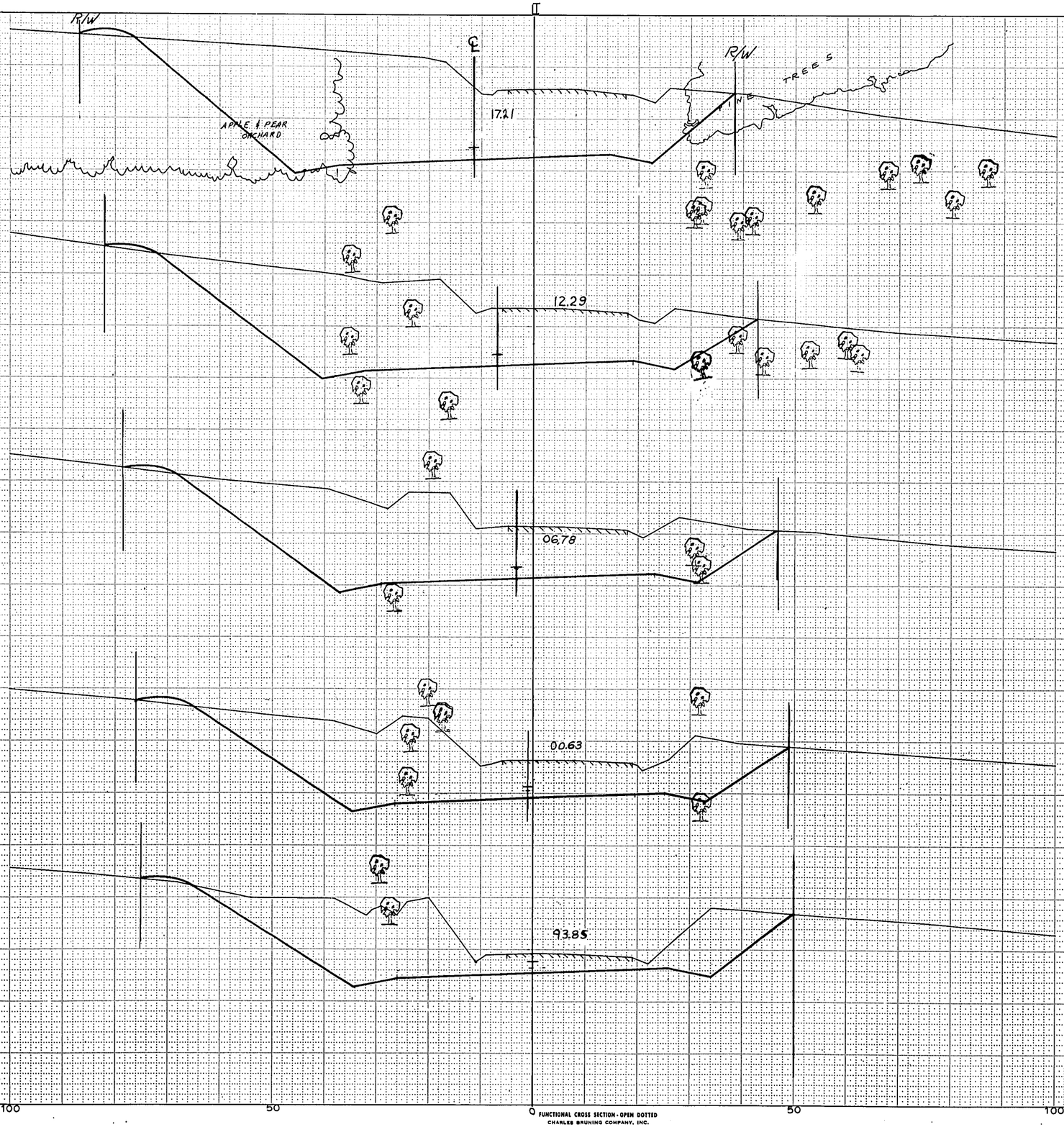
2976

+ 86

224+60 - 227+00

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

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	116	145



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
227		~~1458~~ ~~1328~~ 1535	~~20~~ 6
228		~~1676~~ ~~1459~~ 1819	~~20~~ 0
229		~~2045~~ ~~1762~~ 2193	~~20~~ 0
230		~~2381~~ ~~2092~~ 2402	~~20~~ 0
231		~~2715~~ ~~2339~~ 2767	~~20~~ 0
232			

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL ~~10278~~ ~~8918~~ 10716 | 100

+438

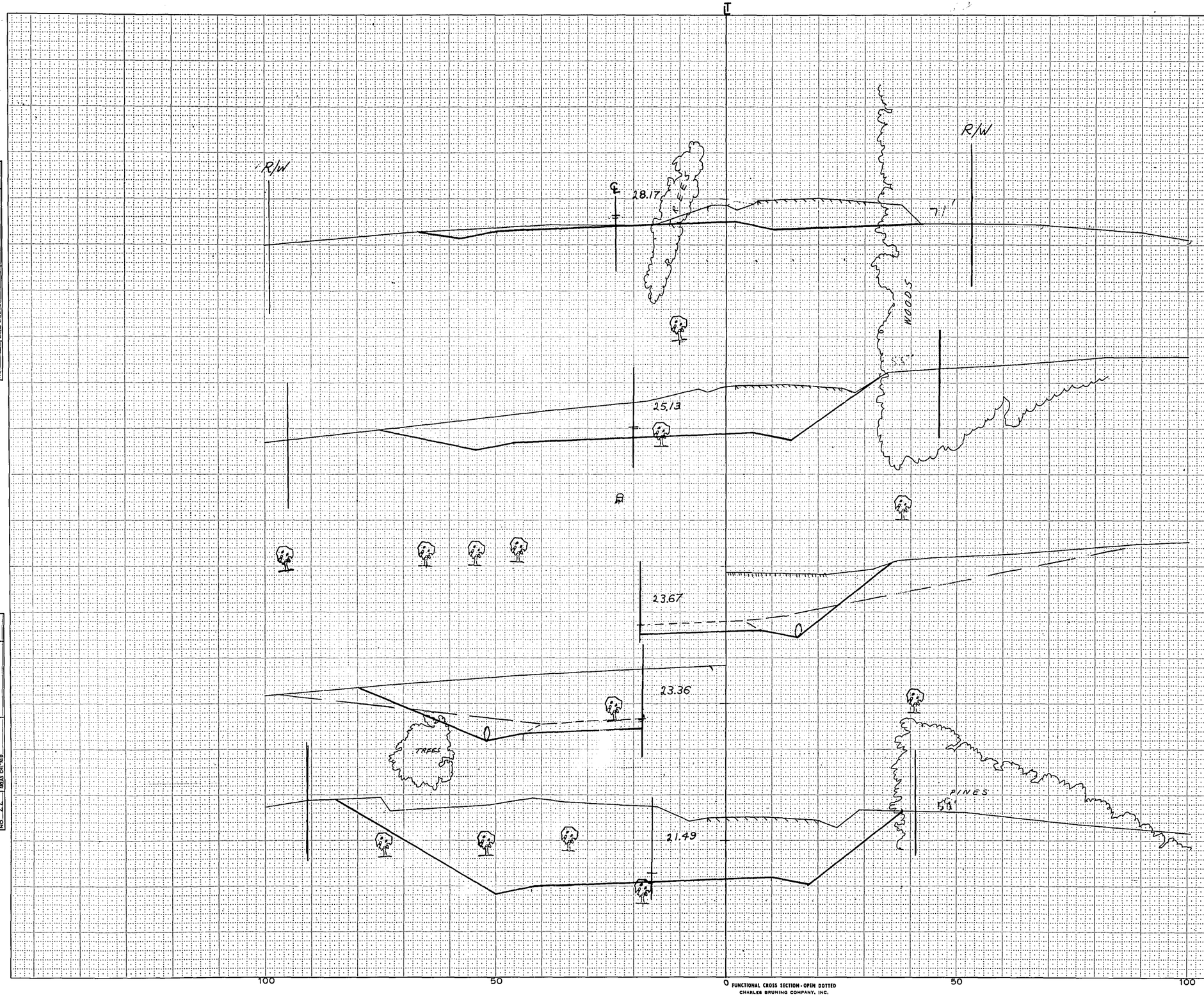
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

NOTE BOOK NO. 44 | TAPE LEVEL RADIAL AREAS CHECKED | 12-44 2-45 | 5 Shts 1 Dwg

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	117	145

SURVEY	PLOTTED
NOTE BOOK	TEMPLATE
NO.	AREAS
	CROSS CHECKED

PLOTTED BY K. KASTMAN & E. HUBBARD	8-64
TEMPLATE E. Shultz	11-64
AREAS I.B.M.	2-65
CROSS CHECKED	



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
232		~~2067~~ ~~1761~~ ~~2815~~	~~20~~
		3033	0
233		~~2153~~ ~~1705~~	~~0~~
		2189	0
234		~~952~~ ~~676~~	~~0~~
		904	2
235			
235+00 930			
234+00 930			
233+57 930 P.E. RT			
233+49 925 P.E. LT			
233+00 925			
SHEET TOTAL		6120 ~~6072~~ ~~4877~~	20 ~~67~~

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

100 50 0 50 100

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

+54 233+00 - 235+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	118	145

NOTE BOOK — TEMPLATE — AREAS — AREAS CHECKED — NO.

NOTE BOOK 11 — TEMPLATE — AREAS E. Shyllc 1BM — AREAS CHECKED 12-64 2-65

R/W

℄

33.51

32.34

31.26

29.22

WOODS

R/W

S L O U G H

238+00
935

237+00
930

236+35
930

235+41
930

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
235		~~313~~ ~~207~~	~~0~~ ~~76~~
235 + 41		267	2
236 + 35		~~494~~ ~~557~~ 433	~~178~~ ~~233~~ 209
237		~~197~~ ~~207~~ 183	~~132~~ ~~167~~ 149
238		~~435~~ ~~436~~ 596	~~209~~ ~~205~~ 200
		1429	
SHEET TOTAL		~~1439~~ ~~1207~~	~~572~~ ~~648~~

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

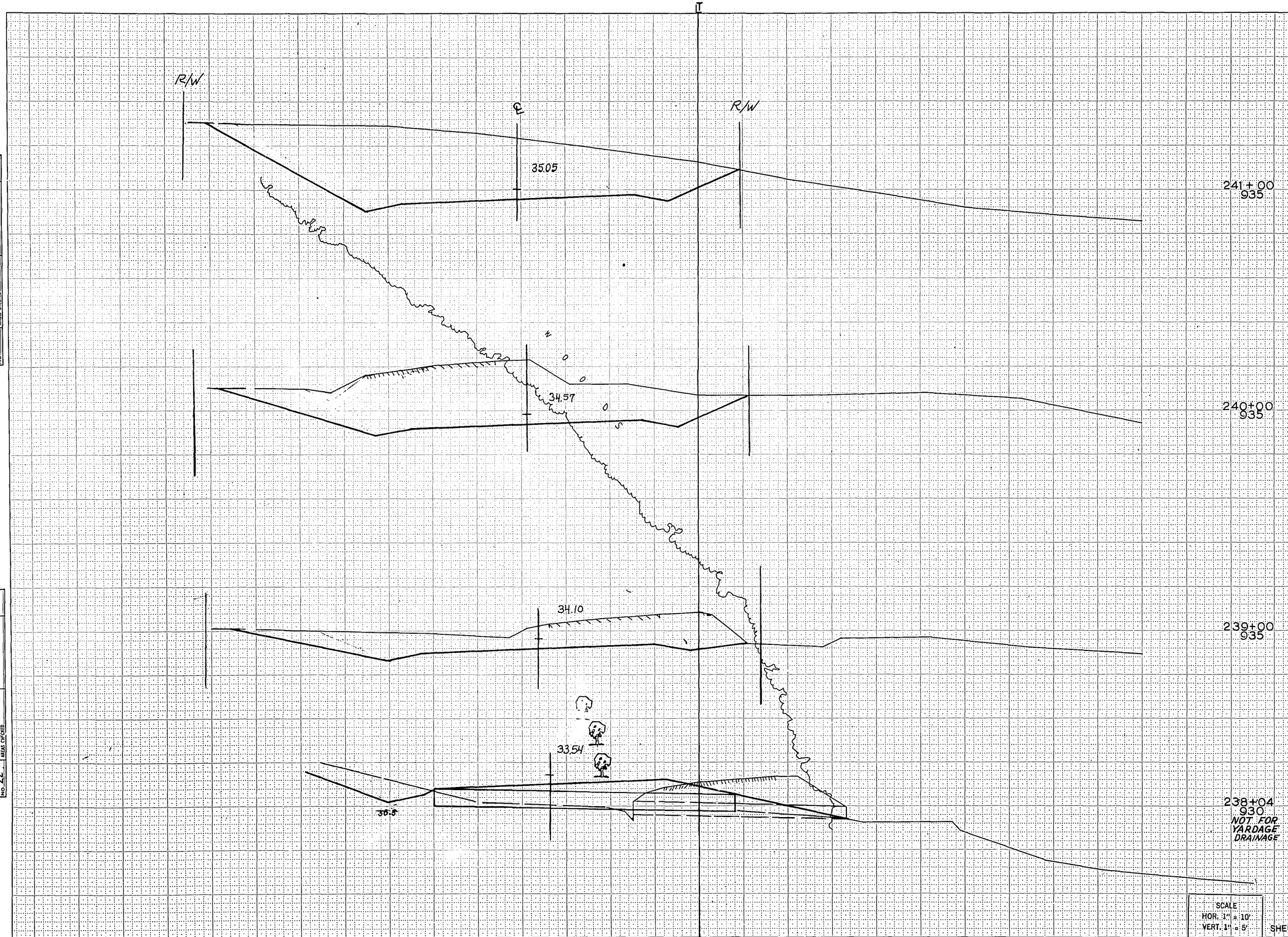
100 50 0 50 100

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

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	119	145

SURVEY — NOTE BOOK NO. — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

SURVEY — NOTE BOOK NO. 44 — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — DRAWN EXCEPTIONS TAKEN: E. GARBINI, LOVEJOY, E. SMITH, TAM — 8-24, 11-46, 2-55



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
238		~~666~~ ~~608~~	~~195~~
		741	193
239		~~1482~~ ~~1980~~	~~0~~
		1389	2
240		~~2244~~ ~~7768~~	0
		2183	
241			

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 4313 ~~4392~~ ~~3706~~ 195

-79

238+04 - 241+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	120	145

R/W

℄ 36.48

36.26

36.01

35.53

℄

R/W

R/W

244+00
920

243+54
925

243+00
925

242+00
935

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
241		~~2033~~ ~~1223~~	0
		2026	
242		~~857~~ ~~664~~	~~349~~
		828	319
243		28 ~~75~~	~~728~~
243 + 54		0	~~1608~~ 681
			~~1595~~
244			

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 2982 ~~2920~~ ~~2402~~ 2685

100 50 0 50 100

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

NOTE BOOK — NO. —
TEMPLATE AREAS — AREAS CHECKED

E. Schultz 1-8-67

K.H. 2-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	121	145

SURVEY	PLOTTED	6-66
NOTE BOOK	TEMPLATE	10-66
NO.	AREA	2-67
	MEAS CHECKED	

℄

R/W

24"

R/W

WOODED AREA

36"

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
244			~~1626~~ ~~4102~~
		0	4573
245			~~4031~~ ~~4136~~
		0	4022
246			~~2090~~ ~~2109~~
		0	2107
246+43			
910			
246+00			
915			
245+00			
920			
244+25			
915			
DRAINAGE ONLY			
CHERI AVE.			~~4600~~
	~~928~~ 858		
EXTR. C.T.H. "F" @ CHERI			~~194~~
	TOB 116		
		474	-
SHEET TOTAL		1011	~~15482~~ ~~15677~~

SCALE:
HORIZ - 1"=10'
VERT - 1"=5'

100 50 0 50 100

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

- 37
244+25 - 246+43

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	122	145

NOTE BOOK | TEMPLATE AREAS | AREAS CHECKED
NO. | | |

E. SHULTZ | 12-24-65
T.B.M. | |

NOTE BOOK | TEMPLATE AREAS | AREAS CHECKED
NO. 77 | |

R/W

℄

38.39

37.91

R/W

248+00
915

247+00
910

STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS	FILL
246 + 43			
		0	3849 ~~3999~~
247			
		0	~~8221~~ 8643
248			

100 50 0 50 100

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

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 0 12070

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	SQ 47(21)	123	145

℄

40.30

6' CATTLE PASS @ 251+75

R/W

39.82

WOODS

39.35

38.87

INLET @ +00 48"

DISCH. @ +00 48"

252+00 930

251+00 920

250+00 915

249+00 915

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
248			
		0	~~9803~~ 9609
249			
		0	~~9980~~ 9220
250			
		0	~~7780~~ 7813
251			
		0	~~5077~~ 5096
252			

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 0 31116

100 50 0 50 100

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

249+00 - 252+00

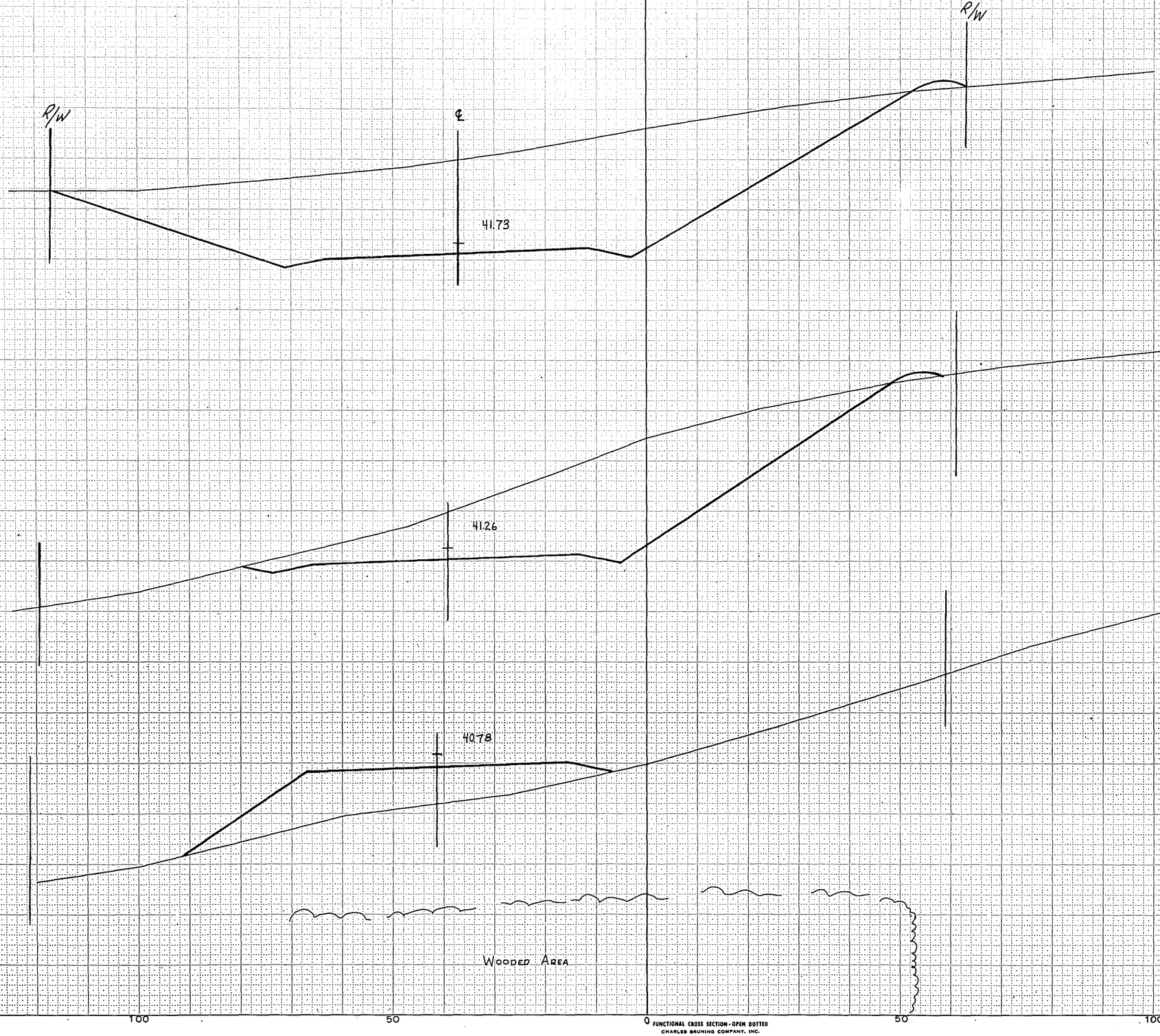
SURVEY
NOTE BOOK
NO.
PLOTTED
PLOTTED G. KURTZ
TIMPANE
AREAS
AREAS CHECKED

W. SQUIRE 8-64
E. SCHULTZ 11-64
TBM 2-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	124	145

NOTE BOOK ____ NO. ____ TEMPLATE ____ AREAS ____ AREAS CHECKED ____

E. SHULTZ TBM ____ Vol. of 2-65



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
252			
		0	~~2856~~ 2041
253		~~1286~~ ~~1234~~ 1219	~~642~~ 502
254		~~3512~~ ~~3410~~ 3231	~~20~~ 2
255			
			4450
		SHEET TOTAL ~~4798~~ ~~4664~~	2588

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

100 50 0 50 100

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

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	125	145

SURVEY: PLOTTED BY K.LOVEJOY 12-29-64
NOTE BOOK: TRACED BY F.X. SCHULTZ 2-4-65
NO. LL AREAS CHECKED IBM 2-4-65

R/W ℄ R/W

43.64

259+00
955

43.16

258+00
960

42.69

257+00
955

42.21

256+00
955

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
255		~~4277~~ ~~5285~~ 5050	~~20~~ 2
256		~~6659~~ ~~6783~~ 6309	~~20~~ 0
257		~~7494~~ ~~7565~~ 7300	~~20~~ 0
258		~~7554~~ ~~7568~~ 7519	~~20~~ 0
259			

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 26178 ~~27044~~ ~~27237~~ 80

100 50 0 50 100

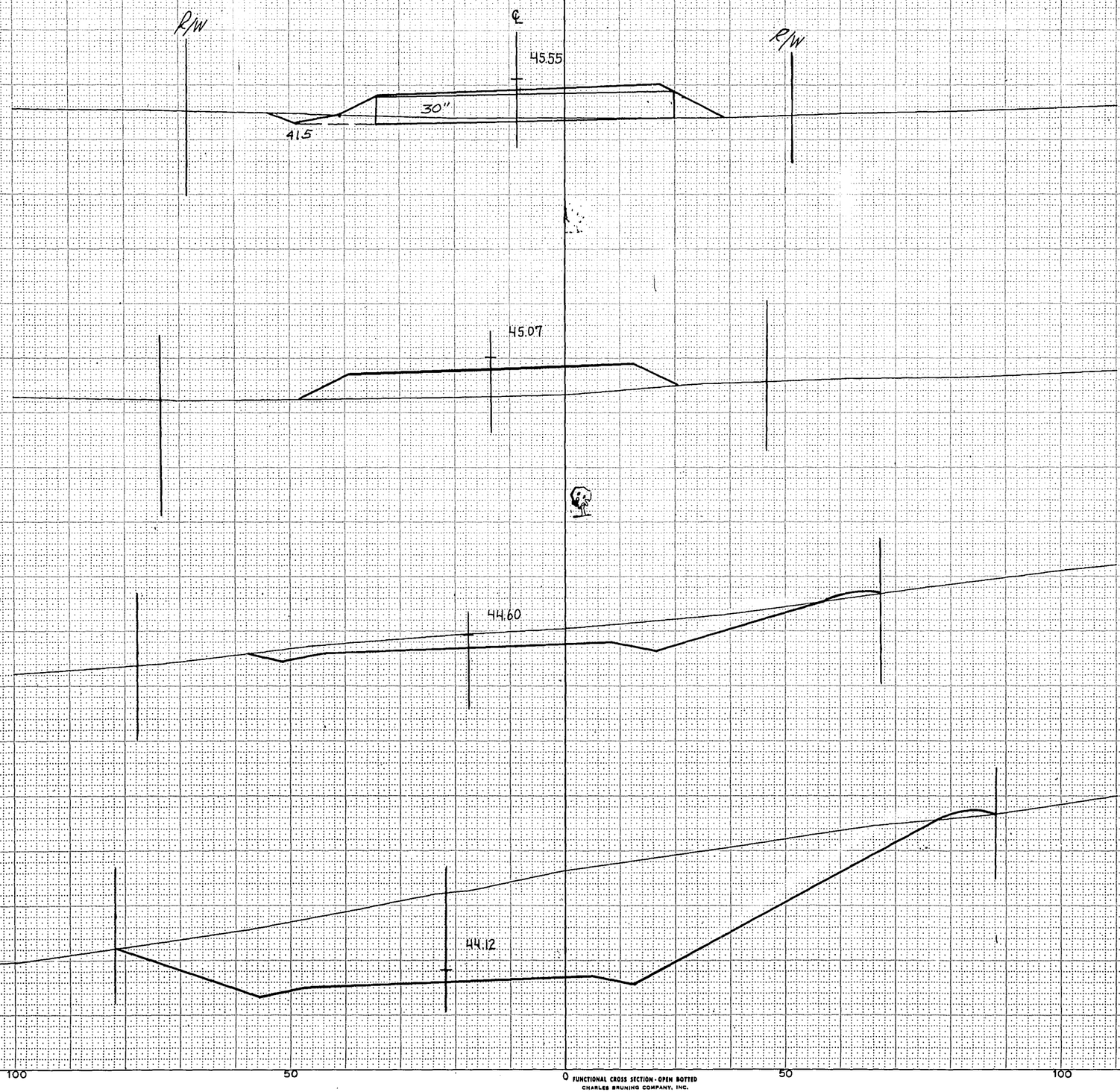
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

866
256+00 - 259+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	126	145

NOTE BOOK | TEMPLATE AREAS CHECKED | NO. 42

4-Square 1 B.M. | 4-6-64 2-3-65



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
259		~~5374~~ ~~5207~~ 5237	~~20~~ 0
260		~~2925~~ ~~1756~~ 1950	~~20~~ 0
261		~~246~~ ~~212~~ 204	~~287~~ 270
262		~~48~~ 0	~~537~~ 535
263			
		1291	
		~~7595~~ ~~7559~~ 7595	
	SHEET TOTAL		864

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

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

-204

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	127	145

R/W

47.38

45.6

R/W

267+00
945

46.98

45.2

266+00
945

℄

46.50

265+00
945

46.03

264+00
940

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
263		~~11~~ 6	426
264		~~117~~ ~~77~~ 102	~~127~~ 181
265		~~249~~ ~~197~~ 217	20
266		~~479~~ ~~424~~ ~~484~~	0
267			
		809	
		~~856~~ ~~725~~	623

SHEET TOTAL

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

100 50 0 50 100

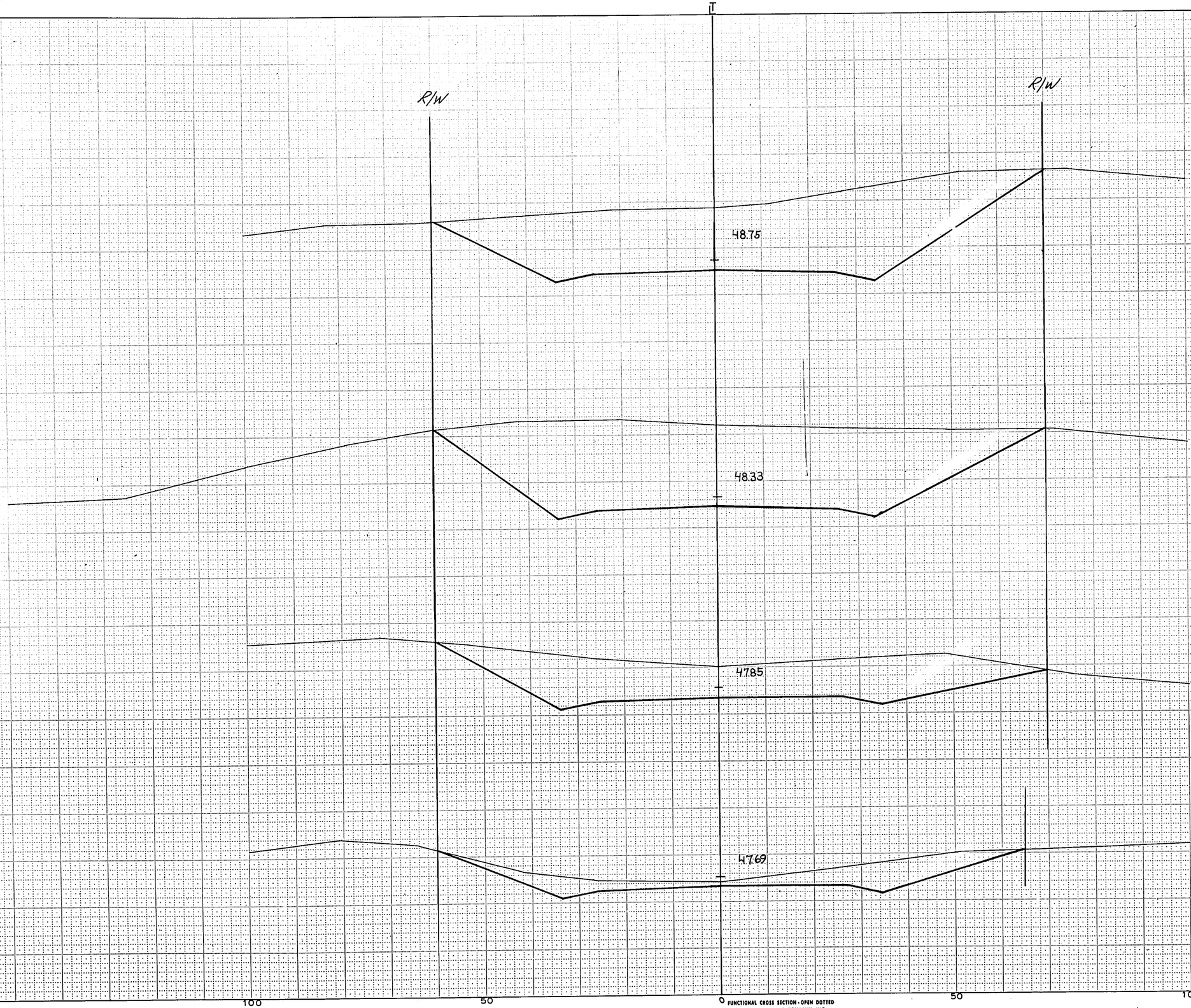
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

SURVEY NUMBERED PLOTTED NOTE BOOK TEMPLATE AREAS AREAS CHECKED NO.

E CARROLL & AVE. B=6.4
E 35th ST. 1/4=5
18M 2=5

- 47 264+00 - 267+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	128	145



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

STATION	DISTANCE	YARDAGE EXCAVATION Unclass	FILL
267		~~500~~ ~~703~~ 491	0
267 + 66		~~397~~ ~~385~~ 375	0
268		~~2572~~ 2615	0
269		~~3171~~ 3243	0
270			
		SHEET TOTAL ~~6540~~ ~~6581~~ 6724	0
		+84	

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

NOTE BOOK 77 NO.
TEMPLATE
AREAS
AREAS CHECKED
E. SHEETS
TBM
V=6X
Z=6S

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	129	145

R/W

4926

273+00
950

R/W

4921

272+00
950

4903

271+00
950

R/W

4890

270+46
950

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
270		~~1115~~ 1095	0
270 + 46		~~1421~~ ~~1256~~ 1352	0
271		~~2694~~ ~~2237~~ 2561	0
272		~~2048~~ ~~1581~~ 1970	~~3~~ 4
273			
		Ext. CTH "F" @ 272+37	
		~~186~~ 116	~~387~~ 0
		7094	
		~~7465~~ ~~6478~~	370 ~~367~~

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL

100 50 0 50 100

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

-371 270+46 - 273+00

SURVEY: NOTE BOOK NO. | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED

E. CARBOON & KWIECIEN 8-64
E. SHEETZ 12-64
I.B.M. 2-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	130	145

R/W

R/W

48.42

48.66

48.98

46.8

49.18

48.4

APPLE ORCHARD

TREES

277+00
940

276+00
945

275+00
945

274+00
950

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
273			
		~~1375~~ ~~1112~~ 1313	~~16~~ 11
274		~~359~~ ~~342~~ 328	~~779~~ 219
275		~~2~~ 0	~~483~~ 498
276		0	~~816~~ 791
277			

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

SHEET TOTAL 1641 ~~1736~~ ~~1428~~ 1483

100 50 0 50 100

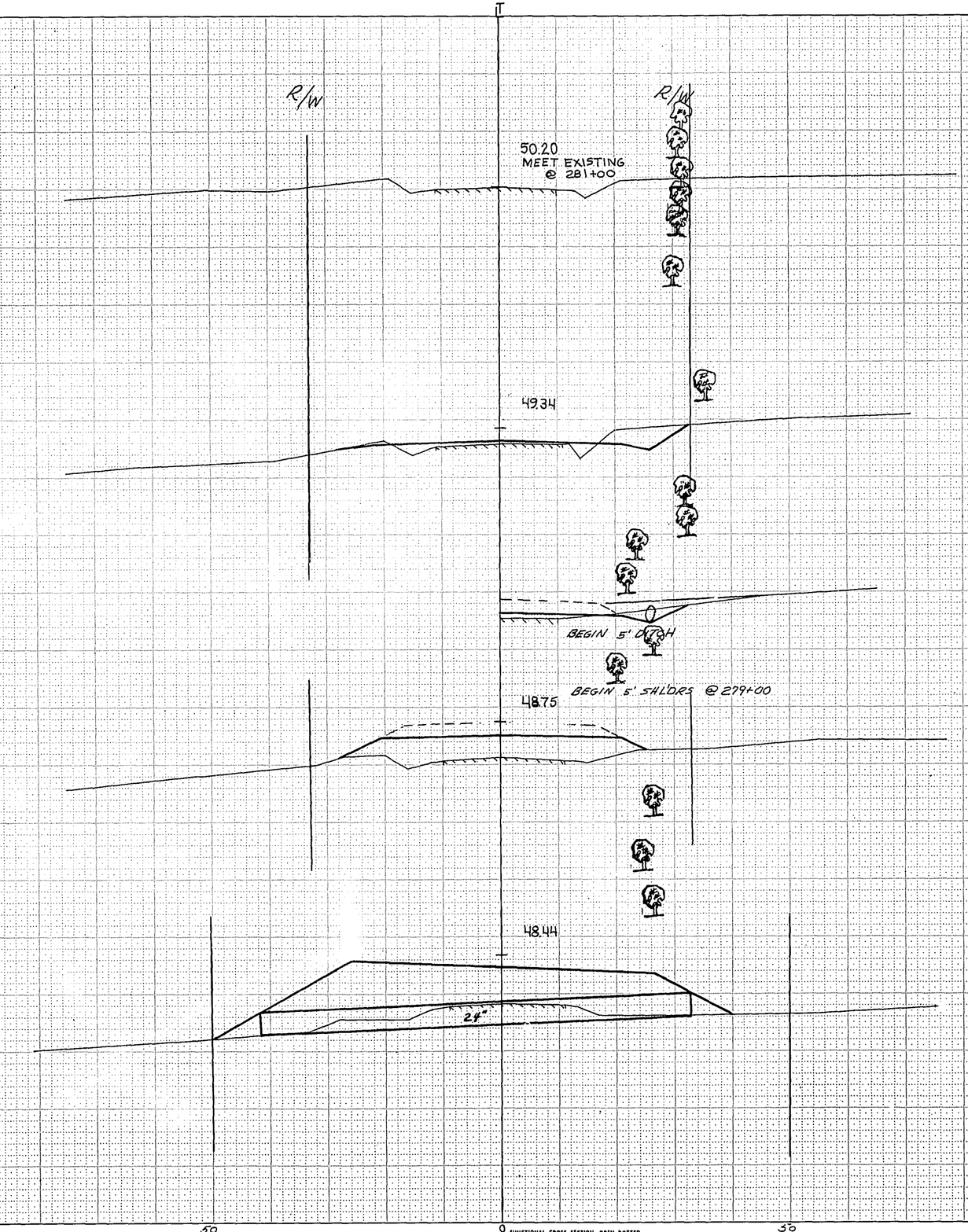
FUNCTIONAL CROSS SECTION - OPEN DOTTED
CHARLES BRUNING COMPANY, INC.

NOTE BOOK	TEMPLATE AREAS	AREAS CHECKED
NO.		

NOTE BOOK	TEMPLATE AREAS	AREAS CHECKED
NO. 77	S. SCHULTZ IBM	12-29 2-65

-95

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	131	145



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

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
281+00	950		
277		0	~~1047~~ 1033
278		0	~~740~~ 719
279		~~87~~ 26	~~235~~ 222
280		~~288~~ 26	33
280+02	950		
281			
279+93	950 P.E.		
279+00	940		
278+00	940		
		52	
SHEET TOTAL		355	2055

SCALE
HOR. 1" = 10'
VERT. 1" = 5'

- 300
rounded on this page 278+00 - 281+00
for rounding plan quantity

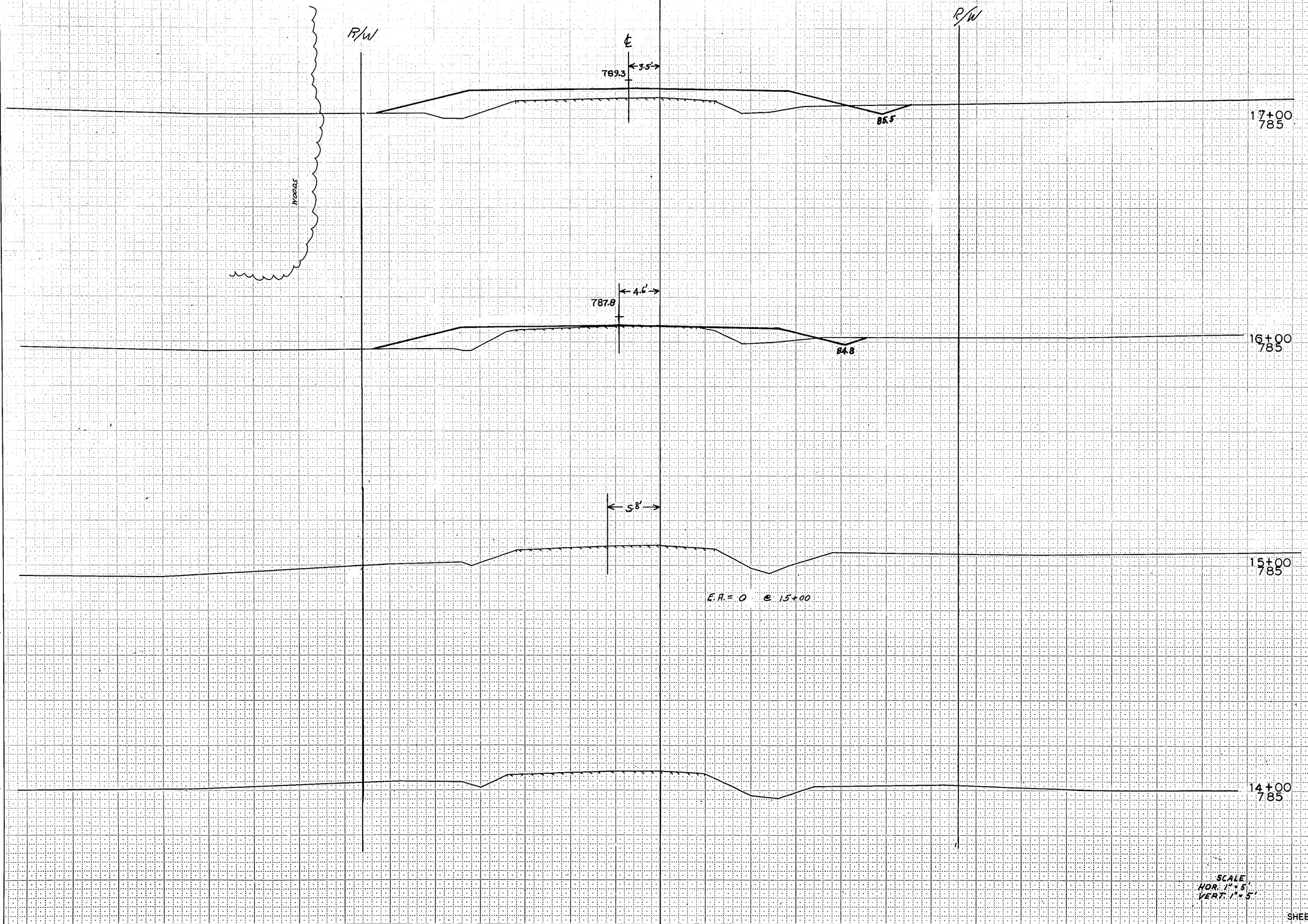
SURVEY
NOTE BOOK
NO. 22
PLOTTED
PLOTTED BY
TRACED
AREAS
AREAS CHECKED

SURVEY
NOTE BOOK
NO.
PLOTTED
PLOTTED BY
TRACED
AREAS
AREAS CHECKED

U.S. ROUTE 41
STATE ROUTE 42
COUNTY
SECTION
FBM
0-54
2-55

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	SO 475(2)	132	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
15		4	67
16		9	202
17			



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

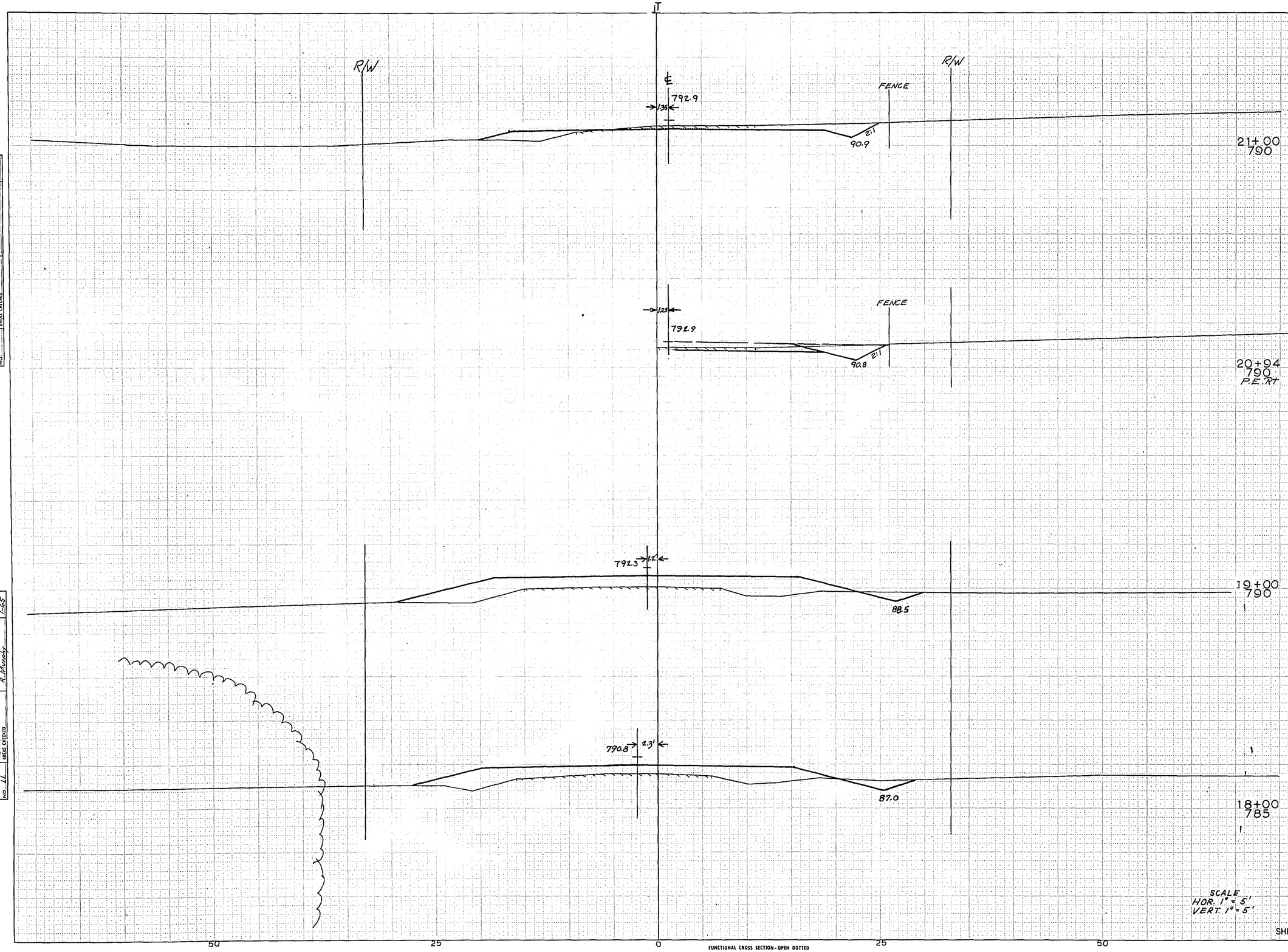
SHEET TOTAL 15 269

NOTE BOOK
TEMPLATE
AREAS
AREAS CHECKED
NO.

NOTE BOOK 11
TEMPLATE
AREAS
AREAS DIECKED
W. HEMLICH
L. Olson
R. Murphy
10-64
1-65
1-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	50 475 (2)	133	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass	FILL
17			
		~~15~~ 0	243
18			
		~~17~~ 0	243
19			
		~~6~~ 0	98
19 + 72			
20 + ~~28~~		~~43~~ 29	24
21			



SCALE
HOR. 1" = 5'
VERT. 1" = 5'

SHEET TOTAL ~~81~~ ~~628~~

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

COUNTY LINE ROAD

SURVEY	PLOTTED	7-6-64
NOTE BOOK	TEMPLATE	12-64
NO. 44	AREAS	1"=5'
	AREAS CHECKED	1"=5'

J. M. SAMMIS — M. KRILL, H. HELMUCH, L. OLSON, A. MOODY

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	SO 475 (2)	134	145

NOTE BOOK | TEMP. ALIGN. | AREAS | AREAS CHECKED | NO.

W. HEIMLICH | 10-64
L. OLSON | 1-65
R. MURPHY | 1-65

NOTE BOOK | TEMP. ALIGN. | AREAS | AREAS CHECKED | NO. 11

R/W

R/W

25+00
795

24+00
790

FENCE

23+00
790

FENCE

7925

21

E.A. - 02 @ 22+00

℄

22+00
790

SCALE
HOR. 1" = 5'
VERT. 1" = 5'

50 25 0 25 50

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

STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS.	YARDAGE EXCAVATION	YARDAGE FILL
21		~~90~~ 33		17
22				

SHEET TOTAL ~~30~~ 17

SOUTH LINE ROAD

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	SO 475(2)	135	145

R/W

℄

E.A. = 0 @ 23+00

4.5'

R/W

23+00
815

5:1ved

3.3'

818.2

16.5'

2½:1

22+20
815
P.E. LT.

3.0'

818.0

3:1

816.3

22+00
815

SHED

R/W

1.5'

817.2

3:1

813.0

21+00
815

50 25 0 25 50

SCALE
HOR. 1"=5'
VERT. 1"=5'

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

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
20+27			
		~~16~~ 15	192
21			
		~~43~~ 57	174
22			
		~~32~~ 37	28
23			
SHEET TOTAL		~~97~~	~~394~~

KELSEY AVE.

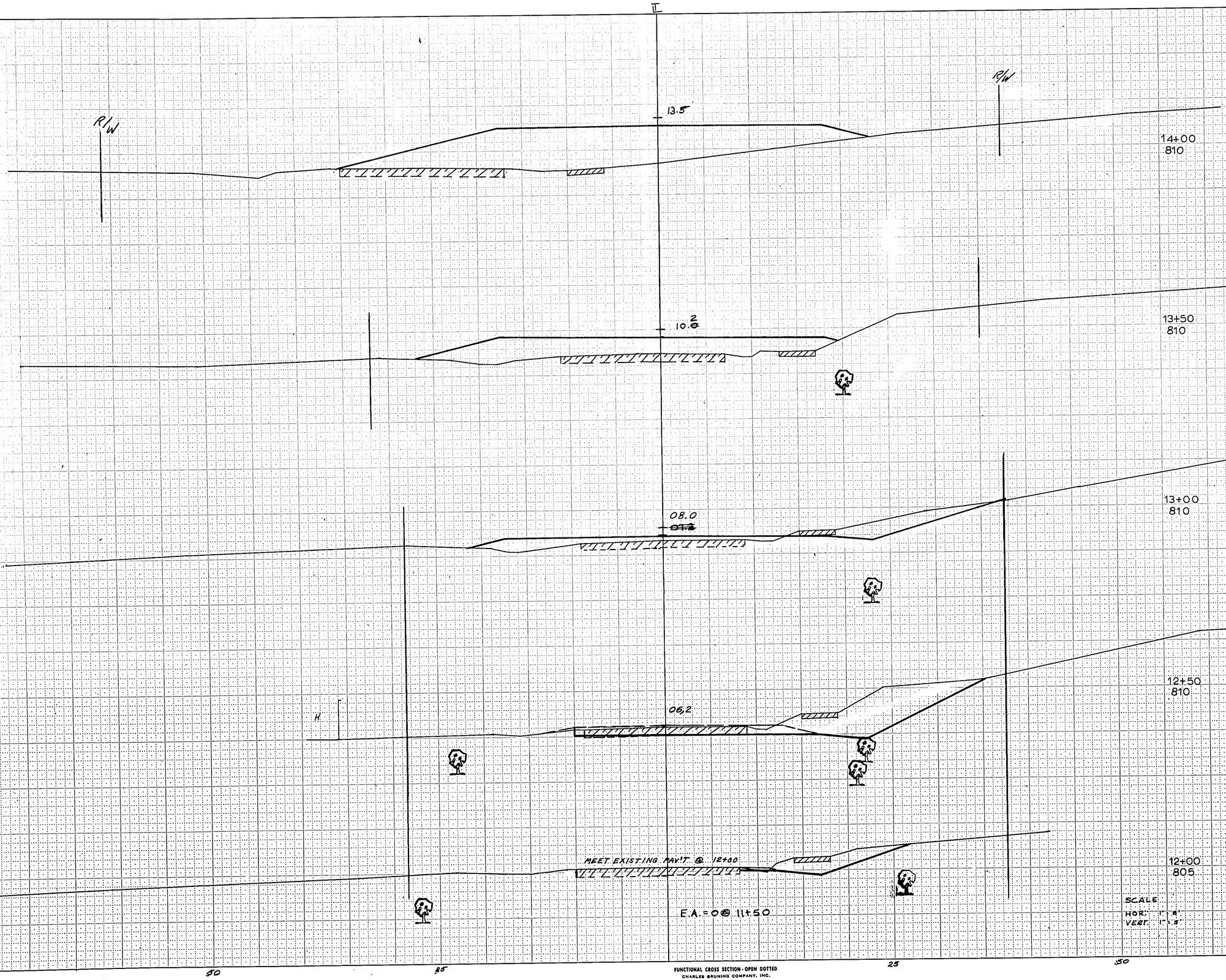
SURVEY	INSTRUCTED	PLOTTED	TEMPLATE	NOTE BOOK	NO. 11	AREAS CHECKED
		M. SCHWAK				

DESIGNED	R. KROLL 2-64
DETAILED	E. SCHULTZ 2-64
CHECKED	C. COX 2-64
QUANTITIES	R. MURPHY 2-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	136	145

NOTE BOOK | TEMPLATE - AREAS - ARIAS CHECKED | NO.

E. Sharbe 12-65
L. Olson 1-66
R. Murphy 1-66



STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	℄	FILL
11 + 50				
		~~2~~ 15		1
12				
		~~26~~ 70		2
12 + 50		56		15
13				
		~~33~~ 4		93
13 + 50		~~0~~ 4		244
14		0		313
14 + 50				
SHEET TOTAL		~~##~~		~~668~~

T-LINE

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	50475(2)	137	145

SURVEY	PLOTTED
NOTE BOOK	TEMPLATE
NO.	AREAS
	AREAS CHECKED

FIELD BOOK	K. KRILL
TEMPLATE	E. Schultz
AREAS	A. Mizak
AREAS CHECKED	A. Murphy

Y-CAL	12-67
	1-68
	1-68

℄

3.0'

21+41
830
P.E.R.T.

19

19+50

℄

3.0'

MEET EXISTING @ STA. 21+00

20+42

21+00
830

21

R/W

℄

3.5'

R/W

19+50
830

℄

4.0'

19+00
830

MEET EXISTING @ STA. 19+00

℄

5.0'

18+00
830

SCALE
HOR. 1"=5'
VERT. 1"=5'

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
19			
19+50		~~96~~ 0	0
20+42		61 0	0
21			
		SHEET TOTAL	

50 50

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

EDGEWOOD AVE.

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	138	145

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
20 + 66		~~24~~ 0	637
21		~~45~~ 13	715
21 + 45		~~32~~ 24	467
21 + 71		~~7~~ 19	796
22			

45.79

R/W

43.5

35.0

2.2+00
830

46.30

35.2

21+71
830

46.80

40.0

45'

35.3

21+45
840

47.70

Disch @ +00
48"

21+00
840

SCALE
HOR.: 1" = 5'
VERT.: 1" = 5'

SHEET TOTAL ~~110~~ ~~2865~~

50 25 0 25 50

FUNCTIONAL CROSS SECTION - OPEN DOTTED

C.T.H. "U" 21+00 - 22+00

PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

NOTE BOOK
NO. L.L.

DESIGNED F. Schultz 7-64
DRAWN L. Olsen 7-65
TRACED R. Murphy 7-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475 (2)	139	145

SURVEY NOTE BOOK NO. L.L. | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED

R. MURPHY 12-54
E. SCHULTZ 1-65
E. OLSON 1-65
R. MURPHY 1-65

R/W

44.00

38.0

22

F.E. @ +50

30.8

25+37
830

44.00

0.06

49.1

30.5

25+00
835

44.01

0.035

24+00
835

44.53

0.005

23+00
835

36" @ 23+25

SCALE
VERT 1"=5'
HOR. 1"=5'

50 25 FUNCTIONAL CROSS SECTION - OPEN DOTTED 25 50
CHARLES BRUNING COMPANY, INC.

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
22			
	~~0~~ 0		2633
23		0	2532
24	~~237~~ 150		2126
25	~~141~~ 85		583
25+37			
SHEET TOTAL	~~378~~		~~7224~~

C.T.H. "U" 23+00 — 25+37

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475 (2)	140	145

SURVEY NOTE BOOK NO. | PLOTTED | TEMPLATE | HOR. | AREAS CHECKED

R.MURPHY E.CAPROON 11-64
E. Staude 12-64
L. Close 1-65
R. Murphy

℄

R/W

45.50
= 0.06'/
P.E.
11.6

44.30
40.7

Profile P.E.
44.00
10.0

44.00
39.5

R/W

L.H.E. → 75'
29+00
840
34.1

L.H.E. → 75'
28+00
840
32.7
2:1

L.H.E → 75'
27+00
835
31.8
2:1

L.H.E. → 75'
26+00
835
31.2

STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS.	YARDAGE FILL
25 + 37			
		~~706~~ 48	1035
26			
		~~65~~ 28	1548
27			
		~~339~~ 350	1161
28			
		~~335~~ 365	1089
29			

SCALE
VERT. 1"=5'
HOR. 1"=5'

SHEET TOTAL ~~945~~ ~~1035~~

50 25 FUNCTIONAL CROSS SECTION - OPEN DOTTED 25 50
CHARLES BRUNING COMPANY, INC.

CTH "U" 26+00 — 29+00

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475 (2)	141	145

℄

R/W

E.A. = 0 @ 33+00

54.70

52.2

52.2

R/W

32+00
855

51.70

← 0.015

0.001 →

45.3

(FILL)

31+00
845

48.57

← 0.025

39.0

72"X44"

30+34
840
CULV. ONLY

47.64

← 0.088

35.8

30+00
840

50 25 FUNCTIONAL CROSS SECTION - OPEN DOTTED 25 50
CHARLES BRUNING COMPANY, INC.

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	FILL
29			
		~~94~~ 87	1280
30			
		~~74~~ 106	1680
31			
		~~383~~ 404	1009
32			
		~~319~~ 343	6
33			
SHEET TOTAL		~~830~~	~~3775~~

C.T.H. "U" 30+00 — 32+00

SURVEY	PLOTTED:	E. Murphy	1"=5'
NOTE BOOK	TEMPLATE	L. Olson	1"=5'
NO. LL	AREAS	R. Murphy	1"=5'
	AREAS CHECKED		

DRAWN	PLOTTED	
NOTE BOOK	TEMPLATE	
	AREAS	
NO.	AREAS CHECKED	

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S 0475(2)	142	145

STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS.	FILL
10 + 18		~~52~~	63
11		~~33~~ 0	41
12			

R/W

R/W

E.A. = 0 @ 12+00

SAVE

H

12+00
950

45.6

3:1

11+00
940

44.3

10+00
940

SCALE
HOR. 1" = 5'
VERT. 1" = 5'

SHEET TOTAL ~~35~~ FORE

50 25 0 25 50

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

E. L. CTH "F" & CHERI STA 10+00 - 12+00

NOTE BOOK
NO. L.L.

TURNED
AREAS
AREAS CHECKED

STAKED
AREAS
AREAS CHECKED

GRADE
E. Schmidt
E. Olson
R. Murphy

12-1-
12-45
1-65

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	SO 475(2)	143	145

SURVEY	PLOTTED	8-68
NOTE BOOK	TEMPLATE	2-69
NO. 44	AREAS	1-69
	CROSS CHECKED	1-69

DRAWN J.M. SCANNAN R.ZOLL
POSITION E. Stahle
TEMPLATE K. Olson
AREAS K. Murphy

R/W

58.5

55.5

14+00
955

67.5

64.0

3:1

13+00
965

3'

SECTION BACK

4:1

2:1

SECTION BACK

USE COMPLETE SECTION AHEAD

12+00
980

11+00
995

E.A. = 0 @ 11+00

10+00
1000

STATION	DISTANCE	YARDAGE EXCAVATION Unclass	FILL
11			
12	100	~~472~~ 107	0
13	100	~~265~~ 226	15
14	100	~~415~~ 133	17
SHEET TOTAL		~~952~~	~~32~~

SCALE
HOR. 1"=5'
VERT. 1"=5'

50 25 0 25 50

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

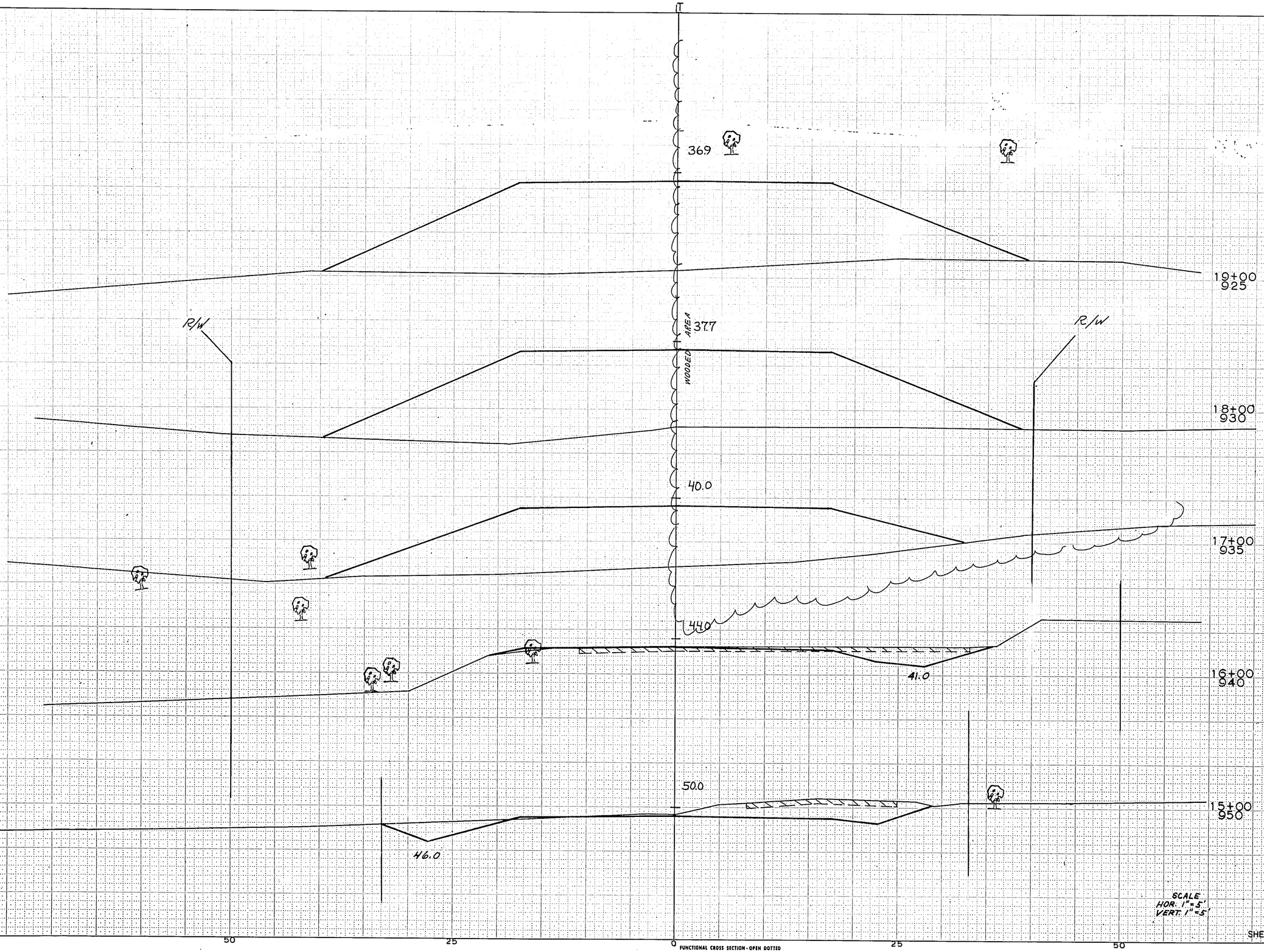
CHERI AVE.

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	50 475 (2)	144	145

SURVEY PLOTTED / TEMPLATE AREAS / AREAS CHECKED
NOTE BOOK
NO.

PLOTTED M. SLAWNIK 8-KRAL
E. Slavik 7-64
L. Olson 1-65
R. Murphy 7-65

SURVEY PLOTTED / TEMPLATE AREAS / AREAS CHECKED
NOTE BOOK
NO. 11



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

SCALE
HOR. 1" = 5'
VERT. 1" = 5'

STATION	DISTANCE	YARDAGE EXCAVATION UNCLASS.	FILL
14			
		~~163~~ 174	4
15			
		~~159~~ 157	4
16			
		~~52~~ 61	669
17		0	1643
18		0	1993
19		0	285
19 + 28			
SHEET TOTAL		~~374~~	~~5595~~

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	S0475(2)	145	145

SURVEY | PLOTTED | R. Murphy 12-65
NOTE BOOK | TEMPLATE | R. Murphy 12-65
NO. LL | AREAS | L. Olson 1-66
AREAS CHECKED | R. Murphy 1-66

℄

25+00
945

50.2
.009 →
.015 →
947.5

24+00
950

RW

50.2
.015 →
948.0

23+00
945

RW

50.2
← .003
.015 →
948.5

22+00
945

MEET EXISTING @ 21+00
E.A. = 0 @ 21+00

21+00
950

SCALE:
HOR. 1"=5'
VERT 1"=5'

STATION	DISTANCE	YARDAGE EXCAVATION Unclass.	YARDAGE FILL
21			
		2	63
22		~~17~~ 11	143
23		~~70~~ 59	109
24		~~97~~ 44	52
24+90			
SHEET TOTAL		~~186~~	~~367~~

60 25 0 25 50

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

Existing CTH "F" @ 272+87 ℄ 21+00 - 25+00

STATE HIGHWAY COMMISSION OF WISCONSIN ORIGINAL- 2511 FINAL- 2167

67094 2SECTION 3 ML FINALS C T H F PROJECT S0475/2/ FINAL YARDAGE

STATION	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	FILL AREA	CUT AREA	LEFT ERROR CLOSURE	RIGHT ERROR CLOSURE	OFFSET
216 00									
216 00	43	115	43	115	17	17	.00-	.00-	
217 00	65	107	108	222	6	45	.00-	.00-	
218 00	209	209	317	431	29	13	.00-	.00-	
219 00	246	517	563	948	84	100	.00-	.00-	
220 00	87	252	650	1200	49	179	.00-	.01-	
220 50	222	109	872	1309	45	93	.00-	.00-	
221 00	981	46	1853	1355	195	25	.00-	.01-	
222 00	1146		2999	1355	335		.00-	.00-	
223 00	675		3674	1355	284		.00-	.00-	
223 86	68		3742	1355	140		.00-	.00-	
224 00	163	34	3905	1389	122	1	.00-	.00-	
224 60	5	16	3910	1405	25	30	.00-	.00-	
224 67	12	243	3922	1648	15	97	.00-	.00-	
225 00	7	1252	3929	2900	4	300	.00-	.00-	
5 226 00	6	1431	3935	4331		376	.00-	.00-	
227 00	6	1535	3941	5866	3	397	.00-	.00-	
4 228 00		1819	3941	7685		432	.00-	.00-	.0 LT
229 00		2193	3941	9878		550	.00-	.00-	.8 LT
3 230 00		2402	3941	12280		634	.00-	.00-	3.1 LT
2 231 00						663	.00-	.00-	6.8 LT

STATION	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	FILL AREA	CUT AREA	LEFT ERROR CLOSURE	RIGHT ERROR CLOSURE	OFFSET
231 00						663	.00-	.00-	6.8 LT
		2767	3941	15047					
232 00						831	.00-	.00-	11.5 LT
		3033	3941	18080					
233 00						807	.00-	.00-	15.9 LT
		2189	3941	20269					
234 00						375	.00-	.00-	20.0 LT
	2	904	3943	21173					
235 00					1	113	.00-	.00-	23.8 LT
	2	267	3945	21440					
235 41					1	238	.00-	.00-	25.4 LT
	209	433	4154	21873					
236 35					119	11	.00-	.00-	28.7 LT
	149	183	4303	22056					
237 00					5	141	.00-	.00-	30.7 LT
	200	546	4503	22602					
238 00					103	154	.00-	.00-	33.6 LT
	193	741	4696	23343					
239 00					1	246	.00-	.00-	36.2 LT
	2	1389	4698	24732					
240 00						504	.00-	.00-	38.6 LT
		2183	4698	26915					
241 00						675	.00-	.00-	40.8 LT
		2026	4698	28941					
242 00						419	.00-	.00-	42.8 LT
	319	828	5017	29769					
243 00					172	28	.00-	.00-	44.3 LT
	681	28	5698	29797					
243 54					509		.00-	.00-	45.0 LT
	1545		7243	29797					
5 244 00					1305		.00-	.00-	45.4 LT
	4513		11756	29797					
245 00					1132		.00-	.00-	46.2 LT
4 246 00	4022		15778	29797					
					1040		.00-	.00-	47.0 LT
	2107		17885	29797					
3 246 43					1606		.00-	.00-	47.0 LT
	3949		21834	29797					
247 00					2135		.00-	.00-	47.0 LT
2 248 00	8643		30477	29797					
					2532		.00-	.00-	47.0 LT

STATION	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	FILL AREA	CUT AREA	LEFT ERROR CLOSURE	RIGHT ERROR CLOSURE	OFFSET
248 00					2532		.00-	.00-	47.0 LT
	9604		40081	29797					
249 00					2654		.00-	.00-	46.6 LT
	9220		49301	29797					
250 00					2325		.00-	.00-	45.9 LT
	7813		57114	29797					
251 00					1894		.00-	.00-	44.8 LT
	5046		62160	29797					
252 00					831		.00-	.00-	43.4 LT
	2041		64201	29797					
253 00					271		.00-	.00-	41.5 LT
	502	1219	64703	31016					
254 00						658	.00-	.00-	39.4 LT
	2	3231	64705	34247					
255 00					1	1087	.00-	.00-	37.2 LT
	2	5050	64707	39297					
256 00						1640	.00-	.00-	34.8 LT
		6309	64707	45606					
257 00						1767	.00-	.00-	32.0 LT
		7300	64707	52906					
258 00						2175	.00-	.00-	28.8 LT
		7519	64707	60425					
259 00						1885	.00-	.00-	25.3 LT
		5237	64707	65662					
260 00						943	.00-	.00-	21.6 LT
		1950	64707	67612					
261 00						110	.00-	.00-	17.6 LT
	270	204	64977	67816					
262 00					146		.00-	.00-	13.4 LT
	535		65512	67816					
5 263 00					143		.00-	.00-	8.8 LT
	426	6	65938	67822					
264 00					87	3	.00-	.00-	4.5 LT
4	181	102	66119	67924					
265 00					11	52	.00-	.00-	1.6 LT
	20	217	66139	68141					
3 266 00						65	.00-	.00-	.2 LT
		484	66139	68625					
267 00						251	.00-	.00-	.0 RT
2		491	66139	69116					
267 66						151	.00-	.00-	.0 RT

STATION	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	FILL AREA	CUT AREA	LEFT ERROR CLOSURE	RIGHT ERROR CLOSURE	OFFSET
267 66						151	.00-	.00-	.0 RT
		375	66139	69491					
268 00						445	.00-	.00-	.0 RT
		2615	66139	72106					
269 00						967	.00-	.00-	.0 RT
		3243	66139	75349					
270 00						784	.00-	.00-	.0 RT
		1095	66139	76444					
270 46						501	.00-	.00-	.0 RT
		1352	66139	77796					
271 00						851	.00-	.00-	.0 RT
		2561	66139	80357					
272 00						532	.00-	.00-	.0 RT
	4	1970	66143	82327					
273 00					2	532	.00-	.00-	.0 RT
	11	1313	66154	83640					
274 00					4	177	.00-	.00-	.0 RT
	219	328	66373	83968					
275 00					114		.00-	.00-	.0 RT
	498		66871	83968					
276 00					155		.00-	.00-	.0 RT
	791		67662	83968					
277 00					272		.00-	.00-	.0 RT
	1033		68695	83968					
278 00					286		.00-	.00-	.0 RT
	719		69414	83968					
279 00					102		.00-	.00-	.0 RT
	222	26	69636	83994					
280 00					18	14	.00-	.00-	.0 RT
	33	26	69669	84020					
281 00									
			69669	84020					

STATE HIGHWAY COMMISSION OF WISCONSIN ORIGINAL- 2511 FINAL- 2167

67094 2SECTION 3 ML FINALS C T H F PROJECT S0475/2/ ORIGINAL-FINAL TERRAIN

STATION 216 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
823.65	100.0	823.85	92.0	823.05	83.0	823.45	81.0	825.15	76.0	825.85	50.0	826.15	31.0	826.25	23.0
827.55	17.0	827.95	11.0	828.09	.0	828.05	10.0	828.15	14.0	827.15	16.0	825.25	17.0	827.45	22.0
828.35	46.0	829.35	70.0	830.05	90.0										

STATION 216 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
825.99	41.0	825.93	34.0	827.13	25.7	827.53	.0	827.75	30.0	827.13	33.7				

STATION 217 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
828.24	100.0	828.74	89.0	828.34	79.0	829.34	56.0	829.94	40.0	829.94	22.0	828.34	19.0	830.14	16.0
830.44	11.0	830.53	.0	830.44	10.0	830.54	14.0	830.24	21.0	830.14	44.0	829.84	65.0	827.14	75.0
826.54	82.0	827.24	86.0	830.24	96.0	830.24	100.0								

STATION 217 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
829.94	35.0	830.03	25.7	830.33	.0	828.23	30.0	830.03	33.7	828.33	34.0	830.16	39.0		

STATION 218 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
837.54	100.0	837.14	71.0	835.84	52.0	834.44	25.0	832.04	20.0	831.94	17.0	832.84	15.0	833.24	9.0
833.42	.0	833.34	11.0	833.14	12.0	833.24	25.0	833.44	51.0	833.14	75.0	832.34	100.0		

STATION 218 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
835.06	37.0	833.03	30.0	833.53	25.7	833.83	.0	833.43	28.0	833.13	32.0	833.53	33.7	833.35	39.0

STATION 219 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
845.19	100.0	843.29	72.0	841.39	51.0	840.39	31.0	837.79	29.0	837.29	20.0	835.19	17.0	836.39	13.0
836.39	10.0	836.63	.0	836.39	11.0	836.29	14.0	835.79	22.0	834.69	28.0	833.29	37.0	831.49	43.0
828.79	60.0														

STATION 219 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
843.02	69.0	840.43	57.0	837.13	41.0	836.33	35.0	837.03	25.7	837.33	.0	836.63	29.0	837.03	33.7
834.83	37.0	829.74	54.0												

STATION 220 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
852.50	100.0	849.58	74.0	848.98	58.0	847.58	39.0	844.78	28.0	839.08	16.0	839.68	13.0	839.78	9.0
840.10	.0	839.68	15.0	839.68	17.0	839.68	35.0	837.98	43.0	835.48	51.0	832.88	63.0	828.78	70.0

STATION 220 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
849.54	73.0	848.36	66.0	842.26	42.0	840.36	33.0	840.56	25.7	840.86	.0	840.36	31.0	840.56	33.7
838.40	41.0														

STATION 220 50 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
851.00	100.0	848.88	76.0	847.88	63.0	846.68	32.0	845.58	23.0	841.88	17.0	840.68	15.0	841.08	13.0
841.28	9.0	841.60	.0	841.38	13.0	839.78	40.0	839.18	46.0	837.58	57.0	835.88	71.0	833.08	81.0
830.88	100.0	829.98	117.0	829.18	150.0										

STATION 220 50 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
847.38	50.0	843.56	39.0	842.06	32.0	842.66	25.7	842.96	.0	839.46	31.0	842.66	33.7	839.90	38.0

STATION 221 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
850.60	100.0	848.78	75.0	847.08	54.0	845.68	29.0	844.48	21.0	842.28	13.0	842.68	12.0	842.78	8.0
842.85	.0	842.38	13.0	841.28	21.0	840.58	25.0	840.98	27.0	839.88	39.0	838.38	43.0	838.38	51.0
838.08	59.0	837.37	82.0	836.48	100.0										

STATION 221 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
848.38	70.0	846.96	62.0	846.26	46.0	844.56	25.7	844.86	25.0	844.96	.0	844.56	25.7	844.76	35.0
838.30	53.0														

5 STATION 222 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
844.98	100.0	844.58	77.0	842.68	54.0	844.28	40.0	844.58	22.0	843.98	19.0	846.28	12.0	846.68	7.0
4 846.86	.0	846.38	16.0	845.98	20.0	842.38	30.0	841.58	55.0	841.88	79.0	843.58	91.0	843.58	97.0
839.68	100.0	829.78	117.0	828.68	144.0	833.38	155.0	840.38	167.0	840.28	174.0				

3 STATION 222 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
842.76	55.0	843.96	42.0	849.46	25.7	849.76	.0	849.46	25.7	841.60	57.0				

2

STATION 223 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
850.80	100.0	850.70	70.0	850.30	43.0	850.20	27.0	850.70	16.0	852.10	10.0	852.20	6.0	852.40	.0
852.10	17.0	851.90	24.0	850.40	30.0	847.70	37.0	846.80	58.0	846.60	77.0	846.40	100.0		

STATION 223 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
850.31	44.0	850.56	41.0	852.16	39.0	854.86	29.0	855.16	25.7	855.46	.0	855.16	25.7	854.66	26.0
851.26	36.0	847.27	47.0												

STATION 223 86 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
859.20	100.0	858.70	72.0	858.60	45.0	859.40	30.0	859.80	18.0	858.60	12.0	857.90	11.0	859.00	7.0
859.00	5.0	859.03	.0	858.80	18.0	858.30	23.0	856.40	32.0	855.20	43.0	854.10	59.0	853.60	80.0
853.60	100.0														

STATION 223 86 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
859.13	35.0	860.22	26.0	860.82	25.7	861.12	.0	860.82	25.7	859.72	27.0	854.86	48.0		

STATION 224 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
864.50	100.0	864.40	86.0	863.60	64.0	861.70	39.0	860.30	18.0	859.70	12.0	859.00	10.0	860.00	7.0
860.10	5.0	860.22	.0	860.10	18.0	859.40	23.0	858.10	29.0	857.80	37.0	856.70	47.0	855.40	64.0
854.70	82.0	854.10	100.0												

STATION 224 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
861.37	34.0	861.62	25.7	862.52	25.0	861.92	.0	861.62	25.7	860.72	27.0	857.12	41.0	856.81	46.0

STATION 224 60 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
866.20	100.0	866.10	74.0	865.30	47.0	865.50	24.0	866.00	12.0	864.80	11.0	864.90	9.0	865.80	7.0
865.80	5.0	865.77	.0	865.83	6.0	865.60	18.0	865.30	22.0	863.90	25.0	864.80	27.0	866.00	32.0
864.70	37.0	864.20	44.0	863.40	62.0	862.80	80.0	862.60	100.0						

STATION 224 60 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
865.34	42.0	866.22	32.0	866.22	29.0	866.02	25.7	865.62	25.0	866.32	.0	865.12	25.0	866.02	25.7
863.12	34.0	862.42	38.0	863.22	42.0	863.84	52.0								

STATION 224 67 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
871.80	100.0	871.10	75.0	870.00	52.0	870.00	29.0	869.80	17.0	866.90	12.0	865.40	10.0	865.40	9.0
866.30	6.0	866.40	5.0	866.37	.0	866.36	7.0	866.10	19.0	865.90	23.0	864.50	26.0	866.90	32.0
865.30	38.0	864.40	52.0	863.60	75.0	862.00	100.0								

STATION 224 67 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
870.00	46.0	867.32	31.0	866.52	25.7	866.82	.0	865.72	25.0	866.52	25.7	863.72	35.0	864.32	39.0
864.37	53.0														

STATION 225 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
877.54	100.0	877.14	78.0	877.14	57.0	875.24	36.0	876.24	33.0	876.14	22.0	872.24	16.0	869.44	12.0
868.14	8.0	868.84	7.0	869.04	5.0	869.22	.0	869.30	7.0	869.24	20.0	869.14	22.0	868.44	26.0
869.24	28.0	871.94	33.0	870.84	36.0	870.14	42.0	868.54	58.0	867.84	78.0	866.54	100.0		

STATION 225 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
877.14	62.0	873.57	50.0	868.17	38.0	867.57	31.0	868.87	25.7	869.27	.0	868.87	25.7	867.17	31.0
867.37	37.0	869.37	49.0	869.14	52.0										

STATION 226 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
886.24	100.0	885.04	72.0	883.74	44.0	882.94	32.0	883.24	27.0	882.44	26.0	882.04	22.0	883.84	20.0
881.04	15.0	877.44	9.0	877.94	8.0	877.94	5.0	877.98	.0	877.99	8.0	877.74	22.0	877.44	25.0
880.04	29.0	882.94	33.0	882.34	38.0	881.74	40.0	880.74	56.0	879.74	83.0	879.24	100.0		

STATION 226 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
884.62	63.0	881.47	52.0	875.77	38.0	875.97	33.0	876.97	25.7	877.27	.0	876.97	25.7	875.77	30.0
875.57	36.0	880.93	53.0												

5 STATION 227 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
894.60	100.0	893.80	75.0	892.70	49.0	891.50	29.0	890.80	23.0	891.80	20.0	887.20	13.0	885.70	10.0
4 886.50	8.0	886.60	6.0	886.57	.0	886.58	7.0	886.50	20.0	885.80	22.0	889.10	28.0	892.10	33.0
890.50	40.0	890.10	57.0	889.00	79.0	889.00	100.0								

3 STATION 227 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
893.55	69.0	893.97	63.0	888.87	48.0	883.97	38.0	883.77	33.0	884.97	25.7	885.37	.0	885.37	26.9
2 884.37	30.0	884.17	35.0	888.97	48.0	890.19	53.0								

STATION 228 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
902.80	100.0	902.20	84.0	901.40	68.0	899.90	54.0	899.90	38.0	898.30	32.0	898.80	31.0	899.20	29.0
898.40	26.0	899.60	24.0	900.10	20.0	893.90	11.0	894.50	9.0	894.60	5.0	894.62	.0	894.61	7.0
894.30	19.0	893.60	22.0	896.30	28.0	899.00	34.0	898.70	43.0	898.40	50.0	897.60	76.0	896.50	100.0

STATION 228 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
901.08	65.0	897.12	52.0	890.72	37.0	891.02	33.0	892.22	26.0	892.72	.0	893.22	26.2	891.72	29.0
891.52	34.0	898.44	49.0												

STATION 229 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
909.85	99.2	908.85	75.2	907.35	49.2	906.85	37.2	905.65	29.2	907.25	24.2	907.15	19.2	902.65	9.2
902.85	7.2	903.05	5.2	903.02	.0	903.01	.8	903.09	8.8	902.85	19.8	902.65	20.8	902.15	21.8
903.25	26.8	905.45	31.8	904.75	39.8	903.75	71.8	902.75	100.8						

STATION 229 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
908.32	66.0	897.42	38.0	897.82	31.0	899.02	26.0	899.52	.0	900.02	26.2	898.42	31.0	898.52	36.0
901.82	42.0	904.49	48.0												

STATION 230 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
917.55	96.9	916.25	74.9	915.05	56.9	914.05	35.9	912.35	24.9	913.95	20.9	913.85	12.9	910.45	7.9
910.65	3.9	910.65	1.9	910.68	.0	910.74	3.1	910.69	10.1	910.25	21.1	909.55	24.1	911.55	31.1
910.45	44.1	910.05	57.1	908.95	81.1	908.25	103.1								

STATION 230 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
915.52	64.0	904.48	37.0	903.98	31.0	905.18	26.0	905.68	.0	906.18	26.2	904.78	32.0	904.68	37.0
910.24	51.0														

5

STATION 231 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
4 923.92	93.2	922.02	66.2	920.62	42.2	919.92	30.2	919.42	25.2	919.42	22.2	919.62	11.2	916.32	4.2
916.42	3.2	916.82	1.2	916.82	.0	916.82	.8	916.80	6.8	916.83	12.8	916.32	24.8	915.72	26.8
915.42	29.8	916.82	33.8	916.12	44.8	914.52	75.8	913.62	106.8						

3

STATION 231 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
921.89	64.0	909.88	34.0	910.28	30.0	910.68	26.0	911.18	.0	911.68	26.2	910.68	32.0	910.48	37.0
914.78	46.0	915.65	54.0												

STATION 232 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
928.40	88.5	927.70	63.5	926.82	33.5	925.92	9.5	925.42	5.5	923.06	.0	922.42	1.5	922.32	3.5
922.72	4.5	922.82	6.5	922.86	11.5	922.86	19.5	922.32	30.5	921.62	34.5	923.02	37.5	922.42	52.5
920.32	78.5	918.32	111.5												

STATION 232 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
927.85	69.0	914.48	33.0	915.18	29.0	915.58	26.0	916.08	.0	916.58	26.2	916.28	31.0	915.78	34.0
922.52	50.0														

STATION 233 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
928.69	84.1	929.29	75.1	929.69	59.1	928.19	57.1	928.89	36.1	929.69	26.1	929.19	19.1	928.71	.0
928.69	.9	927.09	7.9	927.39	11.9	927.51	15.9	927.56	23.9	927.19	35.9	926.99	36.9	926.39	39.9
928.39	44.9	928.09	67.9	926.89	89.9	925.79	115.9								

STATION 233 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
929.32	74.0	925.18	55.0	918.08	34.0	918.28	32.0	919.88	26.0	920.38	.0	920.88	26.2	920.18	30.0
919.88	33.0	926.28	48.0	928.25	56.0										

STATION 234 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
923.33	80.0	925.13	50.0	926.93	20.0	927.89	.0	928.03	3.0	929.33	14.0	929.03	16.0	929.13	17.0
929.53	19.0	929.63	20.0	929.73	22.0	929.88	33.0	929.43	45.0	929.03	48.0	931.23	55.0	931.50	65.0
932.00	81.0	932.80	102.0	932.90	120.0										

5 STATION 234 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
925.01	52.0	922.28	34.0	923.48	26.0	923.98	.0	924.48	26.2	923.88	34.0	927.58	46.0	931.26	56.0

4

STATION 235 00 ORIGINAL

3

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
925.03	76.2	926.33	45.2	927.23	14.2	927.23	.0	927.23	7.8	927.83	11.8	929.33	20.8	929.33	23.8
928.83	25.8	929.53	29.8	929.83	30.8	930.08	43.8	929.80	53.8	929.33	61.8	927.33	65.8	927.23	91.8
926.43	113.8	925.53	123.8												

2

STATION 235 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
926.39	43.0	925.36	38.0	926.56	26.0	927.06	.0	927.56	26.2	926.56	35.0	927.96	46.0	929.26	61.0
927.33	67.0														

STATION 235 41 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
927.73	74.6	928.53	60.6	929.53	38.6	930.73	14.6	930.83	.0	930.93	13.4	932.13	19.4	931.53	25.4
931.53	28.4	929.63	30.4	930.13	35.4	930.21	47.4	930.13	58.4	930.13	60.4	929.13	66.4	927.93	81.4
925.30	100.4	923.20	125.4												

STATION 235 41 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
929.01	50.0	926.76	38.0	927.36	28.0	927.76	26.0	928.26	.0	928.76	26.2	928.16	35.0	929.06	49.0
929.96	64.0	929.00	68.0												

STATION 236 35 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
928.93	71.3	928.53	48.3	928.13	17.3	928.29	.0	928.43	15.7	928.93	23.7	930.43	28.7	929.93	33.7
930.13	38.7	930.97	51.7	931.13	63.7	930.83	68.7	930.13	75.7	930.63	78.7	930.90	99.7	930.60	117.7
930.50	128.7														

STATION 236 35 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
928.40	38.0	929.86	26.0	930.36	.0	930.86	26.2	930.36	33.0	930.26	38.0	930.76	47.0	930.18	76.0

STATION 237 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
937.42	94.3	934.82	69.3	931.42	40.3	931.72	16.3	933.24	.0	934.42	12.7	936.22	21.7	931.32	30.7
930.72	33.7	930.92	38.7	931.58	50.7	931.82	63.7	931.72	68.7	930.92	73.7	930.52	83.7	934.02	92.7
932.82	99.7	931.30	116.7	929.20	130.7										

5 STATION 237 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
931.74	43.0	929.56	36.0	930.76	26.0	931.26	.0	931.76	26.2	931.16	40.0	931.56	62.0	930.87	75.0

4

STATION 238 00 ORIGINAL

3

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
942.20	91.4	937.80	66.4	933.60	39.4	930.50	15.4	930.00	.0	929.60	12.6	929.92	17.6	931.12	21.6
931.92	25.6	932.60	33.6	932.89	39.6	933.32	51.6	932.62	58.6	929.72	67.6	929.92	80.6	929.52	97.6
924.00	108.6	922.20	133.6												

2

STATION 238 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
938.61	71.0	933.35	55.0	931.15	36.0	930.75	29.0	931.85	26.0	932.35	.0	932.85	26.2	932.05	38.0
929.65	47.0	929.73	68.0												

STATION 239 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
935.17	63.8	934.97	51.8	934.67	24.8	934.27	6.8	935.27	2.8	935.49	.0	935.67	2.2	936.43	14.2
936.87	27.2	937.07	36.2	936.77	39.2	933.47	47.2	933.17	64.2	934.17	68.2	934.27	88.2	933.07	110.2
932.37	136.2														

STATION 239 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
935.22	67.0	933.94	49.0	932.14	32.0	932.44	26.0	932.94	.0	933.44	26.2	932.74	36.0	934.24	45.0
933.40	51.0														

STATION 240 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
937.57	61.4	937.47	50.4	937.07	44.4	938.97	36.4	939.07	34.4	940.07	21.4	940.57	7.4	940.66	.0
940.67	.6	937.97	9.6	938.07	22.6	936.67	38.6	936.67	63.6	936.97	89.6	936.27	111.6	933.47	138.6

STATION 240 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
937.58	62.0	935.04	46.0	932.74	35.0	932.84	29.0	932.94	26.0	933.44	.0	933.94	26.2	933.34	36.0
934.44	44.0	936.67	53.0												

STATION 241 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
942.50	59.2	942.30	29.2	941.38	7.2	940.89	.0	939.68	17.8	938.08	40.8	936.18	60.8	934.58	81.8
932.98	100.8	932.18	121.8	931.48	140.8										

STATION 241 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
942.55	66.0	933.54	39.0	933.04	31.0	933.44	26.0	933.94	.0	934.44	26.2	933.84	33.0	933.94	38.0
936.14	45.0	937.02	52.0												

STATION 242 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
940.90	57.2	941.10	42.2	939.40	16.2	938.24	.0	937.90	4.8	936.74	22.8	935.04	42.8	932.64	72.8
930.80	96.8	929.20	110.8	927.10	128.8	926.50	142.8								

STATION 242 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
940.69	73.0	938.54	56.0	933.84	38.0	933.44	31.0	933.94	26.0	934.44	.0	934.94	26.2	933.24	35.0
934.64	46.0	934.54	49.0												

STATION 243 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
935.50	55.7	935.00	37.7	933.40	5.7	932.75	.0	930.42	20.3	928.32	44.3	925.12	69.3	923.82	84.3
922.32	105.3	919.32	127.3	916.92	144.3										

STATION 243 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
935.51	56.0	933.14	37.0	934.34	26.0	934.94	.0	935.34	26.2	930.44	37.0	927.59	50.0		

STATION 243 54 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
932.50	55.0	931.00	29.0	928.36	.0	927.72	7.0	926.22	24.0	924.12	45.0	920.12	68.0	916.82	90.0
913.22	115.0	913.12	145.0												

STATION 243 54 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
931.40	36.0	934.67	26.0	935.17	.0	935.67	26.2	929.37	38.0	921.16	62.0				

STATION 244 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
925.80	54.6	923.29	38.6	921.29	22.6	920.41	.0	920.39	.4	919.99	23.4	918.19	45.4	916.59	61.4
914.59	90.4	912.89	118.4	911.39	145.4										

STATION 244 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
925.86	55.0	930.37	41.0	934.87	26.0	935.37	.0	935.87	26.2	924.67	49.0	916.00	70.0		

STATION 245 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
926.80	53.8	926.10	36.8	923.60	14.8	921.90	.0	921.19	6.2	921.19	28.2	921.49	46.2	920.99	76.2
920.40	98.2	919.90	117.2	917.60	146.2										

STATION 245 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
927.22	64.0	931.87	36.0	935.37	26.0	935.87	.0	936.37	26.2	929.57	40.0	921.18	65.0		

STATION 246 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
924.42	53.0	925.02	38.0	925.32	13.0	925.15	.0	924.92	17.0	922.72	47.0	920.82	62.0	917.72	89.0
914.02	116.0	909.12	147.0												

STATION 246 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
923.82	68.0	928.67	49.0	935.67	28.0	935.87	26.0	936.37	.0	936.87	26.2	935.37	29.0	927.37	48.0
920.02	69.0														

STATION 246 43 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
919.52	53.0	919.02	28.0	919.12	1.0	919.16	.0	920.12	25.0	920.42	47.0	919.32	69.0	915.32	94.0
910.82	122.0	908.52	147.0												

STATION 246 43 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
919.74	64.0	928.03	48.0	932.13	37.0	936.03	26.0	936.53	.0	937.03	26.2	931.43	40.0	922.63	62.0
918.84	72.0														

STATION 247 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
925.72	78.0	923.12	53.0	919.22	20.0	916.41	.0	915.42	7.0	912.92	35.0	912.72	47.0	912.42	63.0
914.62	89.0	910.52	120.0	908.92	147.0										

STATION 247 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
923.74	59.0	931.23	39.0	936.33	26.0	936.83	.0	937.33	26.2	932.73	39.0	927.03	52.0	913.69	96.0

STATION 248 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
932.00	128.0	929.40	103.0	925.85	78.0	921.45	53.0	916.55	28.0	913.75	1.0	913.71	.0	912.35	32.0
910.95	47.0	910.45	64.0	909.95	87.0	908.75	117.0	908.85	147.0						

STATION 248 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
923.74	66.0	925.83	55.0	931.23	40.0	936.73	26.0	937.23	.0	937.73	26.2	930.33	47.0	920.53	72.0
909.63	95.0														

STATION 249 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
920.25	103.4	918.25	78.4	917.65	53.4	917.35	44.4	915.25	24.4	913.20	.0	912.65	6.6	911.45	18.6
912.55	35.6	913.05	46.6	913.05	68.6	913.35	90.6	913.05	120.6	913.15	146.6				

STATION 249 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
918.17	75.0	923.93	57.0	932.03	38.0	937.23	26.0	937.73	.0	938.23	26.2	933.03	42.0	927.03	57.0
918.83	80.0	913.29	97.0												

STATION 250 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
916.15	104.1	915.35	79.1	914.45	54.1	914.45	46.1	915.25	20.1	916.15	.1	916.15	.0	917.35	21.9
918.45	45.9	918.95	72.9	919.45	97.9	919.15	120.9	918.55	145.9						

STATION 250 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
915.35	79.0	920.23	67.0	926.73	51.0	933.63	35.0	937.73	26.0	938.23	.0	938.73	26.2	932.83	44.0
924.93	64.0	919.05	78.0												

STATION 251 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
916.75	80.2	916.55	55.2	916.35	32.2	917.85	5.2	918.54	.0	921.15	19.8	924.25	44.8	925.65	55.8
927.90	78.8	929.30	97.8	930.00	121.8	929.30	144.8								

STATION 251 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
916.70	74.0	924.23	58.0	933.83	37.0	938.23	26.0	938.73	.0	939.23	26.2	933.83	42.0	928.43	58.0
926.06	60.0														

STATION 252 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
922.60	81.6	923.70	56.6	926.50	25.6	928.70	2.6	929.00	.0	932.20	27.4	933.90	43.4	937.00	65.4
939.40	91.4	941.50	105.4	942.90	130.4	943.20	143.4	943.10	168.4						

STATION 252 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
923.55	60.0	932.53	42.0	938.73	26.0	939.23	.0	939.73	26.2	937.73	33.0	935.43	42.0	934.27	46.0

STATION 253 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
928.10	78.5	929.70	58.5	931.80	41.5	934.80	17.5	935.95	.0	936.90	14.5	939.90	41.5	943.60	67.5
947.70	93.5	951.60	117.5	954.90	141.5	957.70	166.5								

STATION 253 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
931.12	47.0	935.43	40.0	939.13	26.0	939.63	.0	940.13	26.2	938.96	33.0				

STATION 254 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
934.97	85.6	936.87	60.6	940.07	34.6	943.47	7.6	944.85	.0	948.37	19.4	952.27	39.4	955.17	61.4
957.57	86.4	959.37	110.4	960.77	139.4	961.97	164.4								

STATION 254 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
939.16	42.0	938.12	34.0	939.62	26.0	940.12	.0	940.62	26.2	940.22	31.0	945.32	48.0	951.22	67.0
956.42	84.0	958.21	95.0												

STATION 255 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
946.67	87.8	946.77	62.8	947.97	34.8	949.07	10.8	949.91	.0	950.87	12.2	953.07	37.2	955.37	65.2
956.67	89.2	957.67	112.2	958.67	137.2										

STATION 255 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
946.70	81.0	946.92	68.0	944.22	55.0	940.22	39.0	939.62	33.0	940.12	26.0	940.62	.0	941.12	26.2
940.72	32.0	945.92	49.0	951.12	66.0	955.22	81.0	956.97	96.0						

STATION 256 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
953.47	65.2	954.17	41.2	954.57	16.2	955.03	.0	955.37	11.8	955.87	34.8	956.17	54.8	957.57	82.8
958.77	107.8	960.27	134.8												

STATION 256 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
952.92	84.0	950.22	69.0	945.12	51.0	940.92	38.0	940.22	32.0	940.62	26.0	941.12	.0	941.62	26.2
941.32	33.0	947.92	54.0	953.92	74.0	957.72	88.0	958.25	97.0						

STATION 257 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
954.17	68.0	955.57	42.0	956.57	14.0	957.12	.0	957.47	9.0	958.47	32.0	958.37	44.0	956.67	60.0
957.77	89.0	956.67	110.0	958.67	132.0	962.07	157.0								

STATION 257 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
953.63	78.0	947.42	57.0	941.32	38.0	940.72	33.0	941.02	26.0	941.52	.0	942.02	26.2	941.72	31.0
948.22	52.0	954.42	71.0	957.73	88.0										

STATION 258 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
953.97	96.2	955.37	71.2	956.47	48.2	958.57	19.2	959.93	.0	960.27	4.8	961.77	28.8	963.17	54.8
964.97	79.8	965.97	102.8	966.27	128.8										

STATION 258 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
954.71	83.0	952.33	71.0	948.03	58.0	941.73	38.0	941.03	32.0	941.53	26.0	942.03	.0	942.53	26.2
942.13	32.0	948.23	50.0	954.93	66.0	965.41	90.0								

STATION 259 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
952.07	99.7	953.87	74.7	955.67	46.7	957.37	26.7	958.37	2.7	958.45	.0	959.17	25.3	959.97	50.3
961.67	77.3	963.27	103.3	964.87	125.3										

STATION 259 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
953.63	78.0	950.03	66.0	944.33	46.0	941.03	32.0	942.03	26.0	942.53	.0	943.03	26.2	942.23	33.0
951.33	58.0	956.73	73.0	962.57	92.0										

STATION 260 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
943.97	103.4	944.77	78.4	946.17	58.4	947.77	35.4	949.67	15.4	950.97	2.4	951.11	.0	951.37	4.6
953.17	21.6	955.17	49.6	957.17	77.6	958.17	98.6	959.97	121.6						

STATION 260 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
946.20	58.0	944.73	45.0	941.63	34.0	941.63	32.0	942.53	26.0	943.03	.0	943.53	26.2	942.53	34.0
946.33	50.0	951.83	67.0	957.62	87.0										

STATION 261 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
941.14	82.4	942.04	56.4	943.64	28.4	944.74	1.4	944.78	.0	945.24	17.6	946.54	46.6	949.04	83.6
950.54	107.6	951.14	117.6												

STATION 261 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
943.26	35.0	942.95	27.0	942.95	26.0	943.45	.0	943.95	26.2	943.85	27.0	942.85	32.0	946.77	50.0

STATION 262 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
941.34	86.6	941.14	57.6	941.24	34.6	941.34	11.6	941.48	.0	941.64	13.4	942.64	38.4	943.14	64.4
943.24	86.4	943.84	113.4												

STATION 262 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
941.23	36.0	943.45	26.0	943.95	.0	944.45	26.2	942.46	34.0						

STATION 263 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
942.84	91.2	942.74	66.2	942.34	38.2	942.04	12.2	942.04	.0	942.04	8.8	942.04	34.8	942.44	58.8
942.64	81.8	943.14	108.8												

STATION 263 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
942.51	50.0	942.25	34.0	943.95	26.0	944.45	.0	944.95	26.2	942.04	34.0				

STATION 264 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
944.84	95.5	944.34	71.5	944.04	45.5	943.64	19.5	943.48	.0	943.44	4.5	943.34	26.5	943.04	53.5
943.04	79.5	943.14	104.5												

STATION 264 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
943.99	42.0	943.35	33.0	944.35	26.0	944.95	.0	945.45	26.2	944.45	30.0	943.20	39.0		

STATION 265 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
947.44	98.4	947.24	74.4	946.74	46.4	945.94	21.4	945.57	.0	945.54	1.6	945.04	24.6	944.74	48.6
944.44	74.6	944.34	101.6												

STATION 265 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
946.88	54.0	945.45	41.0	944.15	34.0	944.85	26.0	945.35	.0	945.85	26.2	944.96	31.0		

STATION 266 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
947.94	99.8	947.84	75.8	947.54	51.8	946.24	26.8	945.84	.0	945.84	.2	946.34	21.2	946.94	48.2
947.54	76.2	947.24	100.2												

STATION 266 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
947.62	58.0	944.31	37.0	945.41	26.0	945.91	.0	946.31	26.2	945.91	35.0	946.89	46.0		

STATION 267 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
949.64	100.0	950.34	85.0	950.34	62.0	949.44	43.0	948.04	18.0	947.54	.0	948.74	21.0	950.24	48.0
950.54	70.0	950.34	100.0												

STATION 267 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
950.29	61.0	944.71	35.0	945.91	25.7	946.21	.0	946.31	26.0	945.51	29.0	950.35	56.0		

STATION 267 66 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
950.76	100.0	951.86	81.0	951.16	64.0	948.26	42.0	947.26	26.0	947.06	.0	948.46	25.0	950.16	51.0
950.46	79.0	950.86	100.0												

STATION 267 66 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
950.90	62.0	945.21	34.0	946.71	25.4	946.71	.0	946.31	26.0	945.81	33.0	949.31	53.0	950.26	60.0

STATION 268 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
952.76	100.0	953.46	72.0	952.56	53.0	950.96	26.0	950.06	.0	950.76	25.0	951.26	48.0	948.96	75.0
947.76	100.0														

5 STATION 268 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
953.13	65.0	945.31	35.0	946.31	25.4	946.71	.0	946.71	25.9	945.51	30.0	949.61	51.0	949.98	63.0

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STATION 269 00 ORIGINAL

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ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
948.06	150.0	948.66	125.0	951.76	100.0	954.06	79.0	955.56	61.0	956.46	42.0	956.56	21.0	955.96	.0
955.56	24.0	955.26	49.0	955.26	72.0	953.76	100.0								

STATION 269 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
955.31	64.0	946.21	35.0	946.81	25.7	947.21	.0	946.81	25.7	946.01	35.0	950.41	53.0	955.26	71.0

STATION 270 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
951.56	100.0	952.66	83.0	952.86	64.0	953.56	40.0	954.16	21.0	954.26	.0	954.66	11.0	955.96	27.0
957.96	52.0	958.16	75.0	956.96	100.0										

STATION 270 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
952.95	61.0	953.01	56.0	946.71	34.0	947.21	25.7	947.61	.0	947.21	25.7	946.61	33.0	953.11	56.0
958.14	73.0														

STATION 270 46 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
952.26	100.0	954.16	80.0	954.56	50.0	952.36	30.0	950.96	13.0	950.96	.0	952.16	22.0	955.06	44.0
957.36	62.0	957.76	80.0	956.06	100.0										

STATION 270 46 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
954.49	55.0	947.01	34.0	947.21	25.7	947.61	.0	947.21	25.7	946.71	34.0	953.91	57.0	957.52	69.0

STATION 271 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
952.36	100.0	953.56	72.0	954.26	47.0	953.76	24.0	953.76	.0	954.76	15.0	956.06	36.0	956.96	57.0
956.16	82.0	954.96	100.0												

STATION 271 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
952.36	100.0	950.91	51.0	947.11	34.0	947.51	25.7	947.91	.0	947.51	25.7	946.81	34.0	952.11	63.0
956.54	70.0														

STATION 272 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
948.96	100.0	950.06	77.0	951.16	52.0	951.96	25.0	952.96	.0	953.36	23.0	953.46	47.0	953.86	72.0
953.66	100.0														

STATION 272 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
949.44	90.0	948.61	35.0	948.71	26.0	948.11	.0	947.41	26.4	946.51	35.0	950.21	50.0	953.84	71.0

STATION 273 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
948.04	123.0	947.44	119.0	949.04	114.0	949.14	112.0	949.41	100.0	949.44	88.0	949.84	78.0	950.94	50.0
951.64	26.0	952.14	.0	952.64	22.0	953.14	47.0	953.14	73.0	952.84	100.0				

STATION 273 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
948.04	123.0	948.13	94.0	948.93	47.0	949.53	32.0	949.63	26.3	948.13	.0	946.53	27.2	945.83	33.0
950.13	55.0	953.14	69.0												

STATION 274 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
948.14	100.0	948.44	90.0	949.14	88.0	948.74	76.0	948.14	75.0	948.54	72.0	948.84	69.0	949.04	58.0
948.84	47.0	949.24	42.0	949.24	18.0	949.44	.0	949.74	25.0	949.74	50.0	949.44	73.0	949.14	100.0

STATION 274 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
948.44	90.0	948.23	66.0	948.63	54.0	949.43	35.0	949.53	26.3	948.03	.0	946.43	27.2	945.63	35.0
949.62	59.0														

STATION 275 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
946.84	100.0	947.24	75.0	947.14	50.0	946.44	46.0	946.94	44.0	947.14	40.0	947.24	29.0	946.94	17.0
947.04	14.0	946.24	.0	945.34	24.0	945.54	52.0	945.64	78.0	946.14	100.0				

STATION 275 00 FINAL

	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
5	947.14	50.0	947.73	42.0	949.33	29.0	949.33	26.3	947.83	.0	946.23	27.2	945.43	37.0		

STATION 276 00 ORIGINAL

	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
4	944.64	100.0	945.34	76.0	945.54	50.0	946.24	40.0	945.84	29.0	944.74	26.0	945.14	23.0	945.14	20.0
	945.38	10.0	945.14	.0	945.04	2.0	944.24	5.0	944.34	7.0	944.54	29.0	945.34	52.0	945.24	74.0
3	945.54	100.0														

STATION 276 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
945.88	30.0	949.03	26.3	947.53	.0	945.93	27.2	944.75	35.0						

STATION 277 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
940.84	100.0	940.94	81.0	941.64	57.0	942.74	33.0	943.34	22.0	942.74	18.0	943.64	14.0	943.84	11.0
944.22	.0	943.94	9.0	943.94	11.0	943.04	14.0	943.04	15.0	943.44	25.0	943.14	46.0	943.24	64.0
943.14	100.0														

STATION 277 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
941.82	53.0	943.13	44.0	947.03	32.0	948.73	26.3	947.23	.0	945.73	27.2	943.23	40.0		

STATION 278 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
940.14	81.0	940.94	54.0	941.74	33.0	942.74	28.0	942.74	16.0	943.64	12.0	943.84	9.0	944.18	.0
944.04	11.0	943.94	13.0	943.14	17.0	943.14	30.0	943.34	54.0	943.94	75.0				

STATION 278 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
940.98	53.0	942.43	43.0	945.53	32.0	947.83	26.4	947.33	.0	946.73	26.0	945.43	33.0	943.25	43.0

STATION 279 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
942.84	75.0	944.04	52.0	944.94	32.0	945.74	27.0	945.84	20.0	944.64	16.0	945.14	12.0	945.34	10.0
945.60	.0	945.34	11.0	945.34	13.0	945.14	15.0	946.34	24.0	946.44	36.0	947.24	55.0	947.14	77.0

STATION 279 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
945.26	30.0	947.23	25.7	947.63	.0	947.23	25.7	946.36	26.0						

STATION 280 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
945.38	75.0	945.78	64.0	946.38	39.0	947.28	29.0	948.18	20.0	946.78	15.0	947.48	12.0	947.58	11.0
947.91	.0	947.78	11.0	947.78	12.0	946.58	14.0	949.08	20.0	949.38	27.0	950.08	52.0	950.38	71.0

STATION 280 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
947.01	32.0	946.83	27.0	947.83	25.7	948.23	.0	947.83	25.7	949.44	29.0				

STATE HIGHWAY COMMISSION OF WISCONSIN ORIGINAL- 2511 FINAL- 2166

67094 2SECTION 1 ML FINALS C T H F PROJECT S0475/2/ FINAL YARDAGE

STATION	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	FILL AREA	CUT AREA	LEFT ERROR CLOSURE	RIGHT ERROR CLOSURE	OFFSET
18 00									
	19	59	19	59					
19 00					10	32	.00-	.00-	
	28	69	47	128					
20 00					5	5	.00-	.00-	
	40	3	87	131					
20 28					73		.00-	.00-	
	287	1	374	132					
21 00					142	1	.00-	.00-	
	657	2	1031	134					
22 00					213		.00-	.00-	
	800		1831	134					
23 00					219		.00-	.00-	
	833	67	2664	201					
24 00					231	36	.00-	.00-	
	674	233	3338	434					
25 00					133	90	.00-	.01-	
	452	311	3790	745					
26 00					111	78	.00-	.00-	
	387	233	4177	978					
27 00					98	48	.00-	.00-	
	446	89	4623	1067					
28 00					143		.00-	.00-	
	539		5162	1067					
29 00					148		.00-	.00-	
	533		5695	1067					
30 00					140		.00-	.00-	
	591		6286	1067					
31 00					179		.00-	.00-	
	650		6936	1067					
32 00					172		.00-	.00-	
	533		7469	1067					
33 00					116		.00-	.00-	
	407		7876	1067					
34 00					104		.00-	.00-	
	300	19	8176	1086					
35 00					58	10	.00-	.00-	
	152	100	8328	1186					
36 00					24	44	.00-	.00-	
	76	161	8404	1347					
37 00					17	43	.00-	.00-	

STATE HIGHWAY COMMISSION OF WISCONSIN ORIGINAL- 2511 FINAL- 2166

67094 2SECTION 1 ML FINALS C T H F PROJECT S0475/27 FINAL YARDAGE

STATION	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	FILL AREA	CUT AREA	LEFT ERROR CLOSURE	RIGHT ERROR CLOSURE	OFFSET
37 00					17	43	.00-	.00-	
	96	133	8500	1480					
38 00					35	29	.00-	.00-	
	109	102	8609	1582					
39 00					24	26	.00-	.00-	
	148	89	8757	1671					
40 00					56	22	.00-	.00-	
	244	85	9001	1756					
41 00					76	24	.00-	.00-	
	337	81	9338	1837					
42 00					106	20	.00-	.00-	
	441	44	9779	1881					
43 00					132	4	.00-	.00-	
	441	24	10220	1905					
44 00					106	9	.00-	.00-	
	313	87	10533	1992					
45 00					63	38	.00-	.00-	
	202	185	10735	2177					
46 00					46	62	.00-	.00-	
	211	213	10946	2390					
47 00					68	53	.00-	.00-	
	378	141	11324	2531					
48 00					136	23	.00-	.00-	
	652	43	11976	2574					
49 00					216		.00-	.00-	
	998	2	12974	2576					
50 00					323	1	.00-	.00-	
	1344	2	14318	2578					
51 00					403		.00-	.00-	
	1631		15949	2578					
52 00					478		.00-	.00-	
	1846		17795	2578					
53 00					519		.00-	.00-	
	1776		19571	2578					
54 00					440		.00-	.00-	
	1504		21075	2578					
55 00					372		.00-	.00-	
	1096	6	22171	2584					
56 00					220	3	.00-	.00-	
	639	11	22810	2595					
57 00					125	3	.00-	.00-	

STATION	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	FILL AREA	CUT AREA	LEFT ERROR CLOSURE	RIGHT ERROR CLOSURE	OFFSET
57 00					125	3	.00-	.00-	
	267	83	23077	2678					
58 00					19	42	.00-	.00-	
	35	557	23112	3235					
59 00						259	.00-	.00-	
		1309	23112	4544					
60 00						448	.00-	.00-	
		1781	23112	6325					
61 00						514	.00-	.00-	
		1907	23112	8232					
62 00						516	.00-	.00-	
		1546	23112	9778					
63 00						319	.00-	.00-	
		869	23112	10647					
64 00						150	.00-	.00-	
	9	591	23121	11238					
65 00					5	169	.00-	.00-	
	9	593	23130	11831					
66 00						151	.00-	.00-	
	144	359	23274	12190					
67 00					78	43	.00-	.00-	
	707	107	23981	12297					
68 00					304	15	.00-	.00-	
	1135	28	25116	12325					
69 00					309		.00-	.00-	
	1087		26203	12325					
70 00					278		.00-	.00-	
	956		27159	12325					
71 00					238		.00-	.00-	
	919		28078	12325					
72 00					258		.00-	.00-	
	764		28842	12325					
72 73					307		.00-	.00-	
	521		29363	12325					
73 22					267		.00-	.00-	
	701		30064	12325					
74 00					218		.00-	.00-	
	631	39	30695	12364					
75 00					123	21	.00-	.00-	
	352	117	31047	12481					
76 00					67	42	.00-	.00-	

STATION	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	FILL AREA	CUT AREA	LEFT ERROR CLOSURE	RIGHT ERROR CLOSURE	OFFSET
76 00					67	42	.00-	.00-	
	183	198	31230	12679					
77 00					32	65	.00-	.00-	
	213	159	31443	12838					
78 00					83	21	.00-	.00-	
	224	96	31667	12934					
79 00					38	31	.00-	.00-	
	143	154	31810	13088					
80 00					39	52	.00-	.00-	
	170	248	31980	13336					
81 00					53	82	.00-	.00-	
	302	170	32282	13506					
82 00					110	10	.00-	.00-	
	561	33	32843	13539					
83 00					193	8	.00-	.00-	
	507	20	33350	13559					
84 00					81	3	.00-	.00-	
	183	30	33533	13589					
85 00					18	13	.00-	.00-	
	120	28	33653	13617					
86 00					47	2	.00-	.00-	
	143	46	33796	13663					
87 00					30	23	.00-	.00-	
	111	89	33907	13752					
88 00					30	25	.00-	.00-	
	106	107	34013	13859					
89 00					27	33	.00-	.00-	
	76	154	34089	14013					
90 00					14	50	.00-	.00-	
	54	285	34143	14298					
91 00					15	104	.01-	.00-	
	41	498	34184	14796					
92 00					7	165	.00-	.00-	
	37	550	34221	15346					
93 00					13	132	.00-	.00-	
	400	261	34621	15607					
94 00					203	9	.00-	.00-	
	376	161	34997	15768					
95 00						78	.00-	.00-	
		552	34997	16320					
96 00						220	.00-	.00-	

STATION	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	FILL AREA	CUT AREA	LEFT ERROR CLOSURE	RIGHT ERROR CLOSURE	OFFSET
96 00						220	.00-	.00-	
		672	34997	16992					
97 00						143	.00-	.00-	
		663	34997	17655					
98 00						215	.00-	.00-	.0 LT
		919	34997	18574					
99 00						281	.00-	.00-	.5 LT
		1293	34997	19867					
100 00						417	.00-	.00-	1.0 LT
		1752	34997	21619					
101 00						529	.00-	.00-	1.5 LT
		1881	34997	23500					
102 00						487	.00-	.00-	1.9 LT
	6	1650	35003	25150					
103 00					3	404	.00-	.00-	2.4 LT
	63	1165	35066	26315					
104 00					31	225	.00-	.00-	2.9 LT
	110	334	35176	26649					
104 48					93	151	.00-	.00-	3.1 LT
	175	188	35351	26837					
105 00					89	44	.00-	.00-	3.3 LT
	50	102	35401	26939					
105 30					1	139	.00-	.00-	3.5 LT
	3	472	35404	27411					
106 00					1	225	.00-	.00-	3.8 LT
	1	67	35405	27478					
106 08					9	227	.00-	.00-	3.8 LT
	46	891	35451	28369					
107 00					18	296	.00-	.00-	4.3 LT
	37	1289	35488	29658					
5 108 00					2	400	.00-	.00-	4.7 LT
	6	1591	35494	31249					
109 00					1	459	.00-	.00-	5.2 LT
4	6	1452	35500	32701					
110 00					2	325	.00-	.00-	5.7 LT
	100	689	35600	33390					
3 111 00					52	47	.00-	.00-	6.1 LT
	278	191	35878	33581					
112 00					98	56	.00-	.00-	6.6 LT
2	569	104	36447	33685					
113 00					209		.00-	.00-	7.1 LT

STATION	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	FILL AREA	CUT AREA	LEFT ERROR CLOSURE	RIGHT ERROR CLOSURE	OFFSET
113 00					209		.00-	.00-	7.1 LT
	944		37391	33685					
114 00					301		.00-	.00-	7.5 LT
	1267		38658	33685					
115 00					383		.00-	.00-	8.0 LT
	1420		40078	33685					
116 00					384		.00-	.00-	8.1 LT
	1204		41282	33685					
117 00					266		.00-	.00-	7.7 LT
	641	11	41923	33696					
118 00					80	6	.00-	.00-	7.3 LT
	152	293	42075	33989					
119 00					2	152	.00-	.00-	6.9 LT
	9	470	42084	34459					
120 00					3	102	.00-	.00-	6.5 LT
	54	248	42138	34707					
121 00					26	32	.00-	.00-	6.1 LT
	81	135	42219	34842					
122 00					18	41	.00-	.00-	5.7 LT
	50	202	42269	35044					
123 00					9	68	.00-	.00-	5.3 LT
	17	339	42286	35383					
124 00						115	.00-	.00-	4.9 LT
		485	42286	35868					
125 00						147	.00-	.00-	4.5 LT
	30	357	42316	36225					
126 00					16	46	.00-	.00-	4.1 LT
	348	85	42664	36310					
127 00					172		.00-	.00-	3.7 LT
	728	2	43392	36312					
5 128 00					221	1	.00-	.00-	3.3 LT
	961	7	44353	36319					
129 00					298	3	.00-	.00-	2.8 LT
4	941	78	45294	36397					
130 00					210	39	.00-	.00-	2.4 LT
	870	133	46164	36530					
3 131 00					260	33	.00-	.00-	2.0 LT
	893	117	47057	36647					
132 00					222	30	.00-	.00-	1.6 LT
2	819	115	47876	36762					
133 00					220	32	.00-	.00-	1.2 LT

STATION	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	FILL AREA	CUT AREA	LEFT ERROR CLOSURE	RIGHT ERROR CLOSURE	OFFSET
133 00					220	32	.00-	.00-	1.2 LT
	407	387	48283	37149					
134 00						177	.00-	.00-	.8 LT
	28	1331	48311	38480					
135 00					15	542	.00-	.00-	.4 LT
	30	1481	48341	39961					
136 00					2	299	.00-	.00-	. RT
	7	880	48348	40841					
137 00					2	176	.00-	.00-	. RT
	146	430	48494	41271					
138 00					77	56	.00-	.00-	. RT
	167	213	48661	41484					
139 00					13	59	.01	.00-	. RT
	24	402	48685	41886					
140 00						158	.00-	.00-	. RT
		724	48685	42610					
141 00						233	.00-	.00-	. RT
		950	48685	43560					
142 00						280	.00-	.00-	. RT
		1013	48685	44573					
143 00						267	.00-	.00-	. RT
		831	48685	45404					
144 00						182	.00-	.00-	.2 RT
	91	389	48776	45793					
145 00					49	28	.00-	.00-	2.3 RT
	420	52	49196	45845					
146 00					178		.00-	.00-	5.9 RT
	541	6	49737	45851					
147 00					114	3	.00-	.00-	8.4 RT
	211	181	49948	46032					
5 148 00						95	.00-	.00-	9.6 RT
	52	204	50000	46236					
149 00					28	15	.00-	.00-	9.4 RT
4	50	14	50050	46250					
149 40					40	4	.00-	.00-	9.0 RT
	39	1	50089	46251					
3 149 60					66		.00-	.00-	8.7 RT
	270		50359	46251					
150 00					298		.00-	.00-	8.0 RT
2	765		51124	46251					
150 50					528		.00-	.00-	6.8 RT

STATION	FILL VOLUME	CUT VOLUME	ACCUM FILL VOLUME	ACCUM CUT VOLUME	FILL AREA	CUT AREA	LEFT ERROR CLOSURE	RIGHT ERROR CLOSURE	OFFSET
150 50					528		.00-	.00-	6.8 RT
	998		52122	46251					
151 00					550		.00-	.00-	5.3 RT
	1044		53166	46251					
151 50					578		.00-	.00-	3.4 RT
	1158		54324	46251					
152 00					673		.00-	.00-	1.8 RT
	1218		55542	46251					
152 50					642		.00-	.00-	.6 RT
	1169		56711	46251					
153 00					621		.00-	.00-	.1 RT
	1068		57779	46251					
153 50					532		.00-	.01	.0 RT
	875	13	58654	46264					
154 00					413	14	.00-	.01-	.0 RT
	714	18	59368	46282					
154 50					358	5	.00-	.00-	.0 RT
			59368	46282					
154 50									.0 RT

STATE HIGHWAY COMMISSION OF WISCONSIN ORIGINAL- 2511 FINAL- 2166

67094 2SECTION 1 ML FINALS C T H F PROJECT S0475/2/ ORIGINAL-FINAL TERRAIN

STATION 19 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
789.77	100.0	790.57	65.0	791.67	38.0	791.47	32.0	791.47	28.0	793.17	21.0	794.07	11.0	794.37	.0
794.17	11.0	793.37	19.0	791.97	25.0	791.87	26.0	793.67	31.0	794.57	44.0	794.97	61.0	794.77	81.0
794.87	100.0														

STATION 19 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
791.60	36.0	791.40	29.0	793.00	27.5	793.40	.0	793.00	27.5	791.90	28.0	793.74	32.0		

STATION 20 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
790.19	100.0	790.56	77.0	791.18	48.0	791.81	20.0	792.01	.0	792.25	26.0	792.34	48.0	792.35	74.0
792.29	100.0														

STATION 20 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
791.63	28.0	791.80	27.5	792.20	.0	791.80	27.5	792.26	29.0						

STATION 20 28 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
788.40	100.0	788.60	73.0	788.90	59.0	789.80	38.0	789.30	33.0	790.10	27.0	790.72	20.0	791.26	.0
791.16	13.0	790.90	17.0	790.10	25.0	789.70	40.0	790.60	71.0	790.40	100.0				

STATION 20 28 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
789.43	32.0	791.80	27.5	792.20	.0	791.80	27.5	789.86	34.0						

STATION 21 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
786.50	100.0	786.10	71.0	786.70	44.0	788.00	19.0	789.40	15.0	789.52	13.0	789.68	.0	789.50	9.0
789.20	11.0	788.50	13.0	789.00	17.0	789.30	39.0	789.60	68.0	790.10	100.0				

5 STATION 21 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
787.17	35.0	791.10	27.5	791.40	.0	791.10	27.5	788.90	37.0	789.32	41.0				

4

STATION 22 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
3 785.60	100.0	785.60	75.0	785.70	48.0	786.00	27.0	786.40	19.0	788.40	14.0	788.60	12.0	788.85	.0
788.50	9.0	788.10	11.0	786.70	14.0	786.60	26.0	786.90	50.0	787.10	76.0	787.80	100.0		

2

STATION 22 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
785.86	37.0	790.60	27.5	791.00	.0	790.60	27.5	786.71	35.0						

STATION 23 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
787.20	100.0	787.10	78.0	786.50	47.0	786.20	41.0	786.40	24.0	786.10	20.0	788.00	15.0	788.20	11.0
788.35	.0	788.30	9.0	788.20	11.0	786.10	16.0	786.80	18.0	786.60	28.0	786.00	30.0	786.40	50.0
786.40	68.0	786.60	82.0	787.10	100.0										

STATION 23 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
786.27	35.0	790.60	27.5	791.00	.0	790.60	27.5	786.12	36.0						

STATION 24 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
787.24	100.0	786.74	74.0	786.44	49.0	786.94	28.0	786.84	20.0	786.44	17.0	788.44	11.0	788.44	10.0
788.54	.0	788.24	10.0	788.14	12.0	786.64	16.0	787.44	18.0	787.34	24.0	786.04	27.0	786.14	33.0
787.44	37.0	790.44	47.0	787.44	57.0	786.74	80.0	786.64	100.0						

STATION 24 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
786.56	44.0	790.60	27.5	791.00	.0	790.60	27.5	786.60	42.0	786.80	50.0	788.04	55.0		

STATION 25 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
789.34	100.0	788.64	76.0	787.74	52.0	788.44	29.0	788.24	24.0	786.34	22.0	788.84	16.0	789.24	13.0
789.44	11.0	789.52	.0	789.34	10.0	789.24	11.0	787.24	15.0	789.94	20.0	790.14	24.0	786.54	29.0
786.44	32.0	790.24	40.0	793.64	51.0	789.74	59.0	789.04	79.0	788.94	100.0				

STATION 25 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
787.80	50.0	786.94	46.0	786.84	43.0	790.54	27.5	790.94	.0	790.54	27.5	787.14	44.0	787.14	47.0
788.94	59.0	789.70	60.0												

STATION 26 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
790.44	100.0	790.24	76.0	789.74	54.0	789.94	27.0	788.84	20.0	787.04	16.0	789.44	14.0	789.74	12.0
789.84	10.0	789.92	.0	789.54	10.0	789.34	12.0	787.64	15.0	788.64	17.0	789.04	25.0	786.84	28.0
786.64	31.0	786.84	33.0	789.14	37.0	789.34	42.0	792.04	49.0	792.04	53.0	788.54	60.0	789.34	73.0
789.44	100.0														

STATION 26 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
789.77	50.0	787.44	45.0	787.34	43.0	790.54	27.5	790.94	.0	790.54	27.5	787.34	43.0	788.94	56.0
789.16	70.0														

STATION 27 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
791.42	100.0	791.12	74.0	790.42	49.0	790.42	32.0	791.12	28.0	790.42	22.0	787.52	18.0	787.52	17.0
790.02	13.0	790.02	11.0	790.21	.0	789.82	10.0	789.62	12.0	787.82	14.0	788.82	19.0	788.62	25.0
786.92	30.0	786.92	35.0	787.12	37.0	788.42	46.0	790.42	52.0	788.22	61.0	788.62	82.0	789.42	100.0

STATION 27 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
790.45	50.0	787.74	44.0	787.94	41.0	790.54	27.5	790.94	.0	790.54	27.5	787.44	42.0	789.34	58.0
788.46	60.0														

STATION 28 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
787.22	100.0	787.22	92.0	787.02	65.0	787.12	40.0	788.42	22.0	787.42	18.0	789.32	13.0	789.32	11.0
789.39	.0	789.12	10.0	789.12	11.0	788.42	15.0	788.02	17.0	787.72	26.0	788.32	58.0	788.72	73.0
789.82	100.0														

STATION 28 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
787.11	42.0	788.24	38.0	790.54	27.5	790.94	.0	790.54	27.5	787.85	33.0				

STATION 29 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
786.72	100.0	786.62	78.0	786.52	53.0	786.72	29.0	787.12	19.0	789.02	13.0	789.12	11.0	789.24	.0
789.02	10.0	788.82	11.0	787.32	16.0	788.02	18.0	789.22	35.0	789.52	58.0	789.92	83.0	789.82	100.0

5 STATION 29 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
786.67	35.0	790.54	27.5	790.94	.0	790.54	27.5	789.08	33.0						

4

STATION 30 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
3 787.12	100.0	787.02	77.0	787.02	47.0	787.42	20.0	789.12	13.0	789.32	12.0	789.43	.0	789.12	9.0
788.92	10.0	787.72	14.0	788.22	15.0	788.52	36.0	788.62	52.0	788.82	77.0	788.82	100.0		

STATION 30 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
787.20	35.0	790.64	27.5	791.04	.0	790.64	27.5	788.45	31.0						

STATION 31 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
787.22	100.0	787.32	75.0	787.32	51.0	787.52	27.0	788.22	19.0	788.92	14.0	789.22	12.0	789.25	.0
788.82	9.0	788.32	12.0	787.72	14.0	788.52	15.0	788.22	17.0	787.62	31.0	787.52	50.0	787.72	73.0
788.22	100.0														

STATION 31 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
787.40	41.0	790.84	27.5	791.24	.0	790.84	27.5	789.14	34.0	787.57	40.0				

STATION 32 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
788.12	100.0	788.12	87.0	788.32	64.0	788.42	44.0	788.72	29.0	789.62	19.0	789.22	18.0	789.92	14.0
790.12	12.0	790.11	.0	789.82	9.0	789.52	11.0	788.62	13.0	789.82	14.0	788.72	26.0	788.22	29.0
787.62	48.0	787.62	73.0	788.12	100.0										

STATION 32 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
788.39	50.0	789.74	44.0	789.54	41.0	791.44	27.5	791.84	.0	791.44	27.5	789.24	39.0	787.84	41.0

STATION 33 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
790.21	100.0	790.01	81.0	790.01	57.0	790.31	32.0	790.91	21.0	790.41	20.0	790.41	18.0	791.11	17.0
791.21	13.0	791.51	.0	791.41	9.0	790.81	11.0	790.11	13.0	790.91	14.0	790.71	18.0	789.91	30.0
788.41	59.0	787.91	80.0	788.01	100.0										

STATION 33 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
790.09	50.0	790.64	46.0	790.64	41.0	792.24	27.5	792.64	.0	792.24	27.5	789.74	39.0	789.64	42.0
788.93	49.0														

STATION 34 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
791.71	100.0	791.61	75.0	791.41	57.0	791.51	32.0	792.01	26.0	792.41	22.0	791.81	20.0	791.91	18.0
792.31	17.0	792.41	13.0	792.79	.0	792.61	9.0	791.31	13.0	791.61	15.0	792.21	16.0	791.61	30.0
790.91	53.0	790.31	77.0	789.81	100.0										

STATION 34 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
791.44	49.0	791.75	43.0	793.45	27.5	793.85	.0	793.45	27.5	791.25	39.0	791.45	42.0	791.06	48.0

STATION 35 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
794.21	100.0	793.81	83.0	794.01	55.0	794.21	31.0	794.51	21.0	793.11	19.0	793.21	18.0	794.01	16.0
794.21	12.0	794.27	.0	794.21	9.0	793.71	10.0	792.91	11.0	793.41	13.0	794.21	14.0	794.41	16.0
793.61	30.0	793.11	46.0	792.91	73.0	792.81	100.0								

STATION 35 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
794.04	51.0	793.65	45.0	793.45	40.0	794.85	27.5	795.25	.0	794.85	27.5	792.65	39.0	793.11	46.0

STATION 36 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
795.81	100.0	796.11	70.0	796.61	38.0	796.41	20.0	795.51	19.0	795.21	17.0	796.11	15.0	796.41	12.0
796.71	.0	796.71	9.0	796.21	10.0	794.81	13.0	796.81	16.0	797.51	22.0	797.51	34.0	795.81	44.0
797.21	63.0	798.01	91.0	798.21	100.0										

STATION 36 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
796.44	49.0	796.85	44.0	795.75	41.0	794.65	37.0	796.55	27.5	796.95	.0	796.55	27.5	795.05	40.0
796.55	47.0	796.40	52.0												

STATION 37 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
800.81	100.0	800.61	70.0	800.71	48.0	800.31	38.0	799.11	32.0	797.71	20.0	798.41	15.0	798.51	12.0
798.87	.0	798.51	9.0	798.21	12.0	796.81	13.0	796.81	14.0	797.81	15.0	798.01	26.0	797.81	50.0
798.11	78.0	798.61	100.0												

5 STATION 37 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
800.70	50.0	798.45	41.0	797.45	40.0	797.45	38.0	798.35	27.5	798.75	.0	798.35	27.5	796.85	40.0
4 797.25	42.0	797.83	52.0												

STATION 38 00 ORIGINAL

3 ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
802.60	100.0	801.90	75.0	801.90	55.0	801.70	38.0	799.90	25.0	799.60	20.0	800.50	14.0	800.50	12.0
800.90	.0	800.80	9.0	800.60	10.0	798.90	13.0	798.60	15.0	800.30	18.0	799.70	26.0	798.50	36.0
2 798.10	47.0	798.20	71.0	798.60	100.0										

STATION 38 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
801.86	52.0	799.35	38.0	799.25	37.0	799.95	35.0	800.35	27.5	800.75	.0	800.35	27.5	798.65	41.0
798.75	47.0	798.12	52.0												

STATION 39 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
805.20	95.0	804.20	67.0	803.80	47.0	802.40	29.0	801.30	20.0	802.10	16.0	802.20	12.0	802.55	.0
802.40	10.0	802.20	12.0	800.70	14.0	800.80	15.0	802.10	17.0	802.30	27.0	800.70	44.0	800.00	73.0
799.40	100.0														

STATION 39 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
803.86	50.0	801.25	37.0	801.35	35.0	802.35	27.5	802.75	.0	802.35	27.5	800.45	40.0	800.60	48.0

STATION 40 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
808.10	100.0	807.10	76.0	806.50	54.0	805.20	35.0	803.90	25.0	803.00	19.0	803.60	14.0	804.00	10.0
804.26	.0	803.90	11.0	803.40	14.0	802.30	19.0	802.20	20.0	803.60	24.0	802.80	29.0	802.10	37.0
802.10	64.0	801.30	83.0	800.90	100.0										

STATION 40 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
806.36	52.0	803.55	36.0	803.55	34.0	804.25	27.5	804.65	.0	804.25	27.5	802.05	41.0	802.10	46.0

STATION 41 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
809.50	100.0	808.80	81.0	808.40	59.0	807.50	38.0	805.70	26.0	805.10	19.0	805.60	12.0	805.70	10.0
806.02	.0	805.60	12.0	805.30	15.0	804.10	18.0	804.00	20.0	804.90	23.0	803.90	27.0	803.40	43.0
802.20	75.0	801.60	100.0												

5 STATION 41 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
808.06	51.0	805.45	38.0	805.45	35.0	806.25	27.5	806.65	.0	806.25	27.5	803.55	40.0	803.35	46.0
4 803.14	50.0														

STATION 42 00 ORIGINAL

3 ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
810.67	100.0	809.67	77.0	809.27	47.0	808.57	31.0	807.17	24.0	806.67	17.0	807.17	12.0	807.27	10.0
807.58	.0	807.27	12.0	806.77	16.0	805.17	21.0	806.17	24.0	804.87	32.0	804.37	40.0	803.87	68.0
2 802.77	100.0														

STATION 42 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
809.31	50.0	807.15	37.0	807.25	35.0	808.15	27.5	808.55	.0	808.15	27.5	804.75	44.0	804.21	49.0

STATION 43 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
812.87	100.0	811.37	71.0	810.97	48.0	808.77	24.0	808.37	15.0	808.67	10.0	808.87	9.0	809.22	.0
808.87	11.0	808.57	12.0	806.67	19.0	807.77	21.0	806.27	40.0	805.37	73.0	804.47	100.0		

STATION 43 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
811.00	50.0	809.55	37.0	809.55	33.0	810.05	27.5	810.45	.0	810.05	27.5	806.85	43.0	806.55	48.0
805.97	51.0														

STATION 44 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
813.97	100.0	813.77	86.0	812.97	59.0	812.47	37.0	810.97	23.0	809.77	16.0	810.47	10.0	810.57	8.0
810.89	.0	810.47	12.0	810.17	15.0	809.37	18.0	809.37	20.0	810.37	22.0	809.37	42.0	808.17	66.0
806.87	92.0	806.67	100.0												

STATION 44 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
812.79	51.0	811.75	37.0	811.95	27.5	811.75	26.1	812.35	.0	811.95	27.5	808.85	45.0	808.97	50.0

STATION 45 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
817.38	100.0	816.68	85.0	815.78	59.0	815.28	36.0	814.08	25.0	812.68	19.0	811.58	16.0	812.68	14.0
813.08	12.0	813.08	9.0	813.46	.0	812.98	12.0	812.78	14.0	811.48	19.0	812.88	23.0	811.38	53.0
810.28	77.0	809.28	100.0												

STATION 45 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
815.58	50.0	812.87	38.0	812.87	36.0	813.77	27.5	814.17	.0	813.77	27.5	811.07	45.0	811.48	51.0

STATION 46 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
820.08	100.0	819.08	75.0	818.18	48.0	817.18	30.0	815.58	22.0	814.68	16.0	815.58	12.0	815.68	8.0
815.81	.0	815.58	11.0	815.58	13.0	813.78	16.0	815.18	18.0	813.18	27.0	812.28	53.0	811.28	78.0
810.48	100.0														

STATION 46 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
818.98	72.0	816.77	52.0	815.47	34.0	815.47	27.5	815.87	.0	815.47	27.5	812.67	44.0	812.42	49.0

STATION 47 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
821.08	100.0	820.38	83.0	819.68	62.0	818.88	37.0	818.18	26.0	816.18	18.0	816.78	12.0	816.88	9.0
817.24	.0	816.98	11.0	816.98	12.0	814.88	16.0	816.28	18.0	816.18	20.0	814.68	25.0	813.88	48.0
812.58	77.0	811.68	100.0												

STATION 47 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
820.25	79.0	818.77	53.0	816.57	37.0	817.27	27.5	817.67	.0	817.27	27.5	813.27	45.0	813.79	50.0

STATION 48 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
820.98	100.0	820.08	76.0	819.38	51.0	819.28	36.0	818.68	25.0	816.58	18.0	817.28	11.0	817.38	9.0
817.72	.0	817.28	10.0	817.48	11.0	815.78	14.0	817.08	16.0	816.88	20.0	815.38	23.0	814.88	50.0
813.88	75.0	812.98	100.0												

STATION 48 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
819.38	51.0	817.59	39.0	817.69	36.0	818.89	27.5	819.29	.0	818.89	27.5	814.59	45.0	814.90	49.0

STATION 49 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
821.13	100.0	820.53	77.0	819.93	53.0	819.63	36.0	819.03	25.0	817.23	18.0	817.83	11.0	817.93	10.0
818.33	.0	817.83	10.0	817.83	11.0	816.63	14.0	816.73	15.0	817.83	16.0	817.53	20.0	815.83	25.0
815.13	43.0	814.43	66.0	813.63	100.0										

5 STATION 49 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
819.47	33.0	820.59	27.5	820.99	.0	820.59	27.5	815.59	43.0	815.19	47.0	814.89	51.0		

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STATION 50 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
3 821.43	100.0	820.53	77.0	819.93	54.0	819.23	27.0	817.53	19.0	818.23	14.0	818.43	11.0	818.77	.0
818.23	9.0	818.23	11.0	817.33	13.0	818.13	15.0	818.63	17.0	817.73	19.0	816.03	24.0	815.33	36.0
815.33	51.0	814.93	77.0	814.53	100.0										

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STATION 50 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
819.83	50.0	819.39	44.0	822.19	27.5	822.59	.0	822.19	27.5	816.09	44.0	815.33	48.0		

STATION 51 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
820.93	100.0	820.23	76.0	819.73	50.0	819.63	36.0	819.03	27.0	817.93	20.0	818.03	18.0	818.93	14.0
818.93	11.0	819.29	.0	818.83	9.0	818.83	10.0	817.83	13.0	819.13	15.0	818.73	17.0	817.33	22.0
816.73	46.0	816.53	73.0	816.63	100.0										

STATION 51 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
819.69	44.0	823.79	27.5	824.19	.0	823.79	27.5	817.59	45.0	816.69	52.0				

STATION 52 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
821.23	100.0	820.63	68.0	820.23	39.0	819.83	25.0	818.83	20.0	819.63	13.0	819.63	12.0	820.00	.0
819.63	8.0	819.43	10.0	818.43	12.0	819.33	13.0	820.03	15.0	818.63	21.0	817.93	34.0	818.53	52.0
819.03	77.0	819.63	100.0												

STATION 52 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
820.35	48.0	825.49	27.5	825.89	.0	825.49	27.5	818.89	46.0	818.43	49.0				

STATION 53 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
821.88	100.0	821.18	77.0	820.68	48.0	820.28	28.0	819.98	19.0	820.68	15.0	820.78	12.0	821.10	.0
820.98	7.0	820.88	8.0	819.48	11.0	819.58	13.0	820.78	14.0	820.88	16.0	819.78	21.0	820.88	53.0
821.98	81.0	822.78	100.0												

STATION 53 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
820.71	50.0	827.07	27.5	827.49	.0	827.07	27.5	820.67	47.0						

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STATION 54 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
4 823.98	100.0	823.08	72.0	822.88	43.0	823.28	21.0	823.28	14.0	822.78	13.0	822.98	3.0	822.98	.0
822.68	6.0	822.78	10.0	821.08	12.0	822.48	14.0	824.28	16.0	823.38	30.0	823.58	56.0	824.38	79.0
824.58	100.0														

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STATION 54 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
822.98	57.0	823.99	48.0	828.69	27.5	829.09	.0	828.69	27.5	823.29	47.0	823.53	50.0		

STATION 55 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
827.68	87.0	827.18	63.0	826.28	31.0	825.88	18.0	825.28	14.0	825.63	4.0	825.60	.0	825.28	6.0
824.88	8.0	824.58	10.0	824.68	12.0	825.58	13.0	825.98	17.0	825.18	32.0	825.98	62.0	826.18	89.0
826.38	100.0														

STATION 55 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
826.81	50.0	827.59	45.0	830.29	27.5	830.69	.0	830.29	27.5	826.19	46.0	825.66	50.0		

STATION 56 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
831.80	100.0	831.40	74.0	831.00	51.0	830.10	29.0	829.40	18.0	829.00	13.0	829.22	3.0	829.16	.0
828.70	7.0	828.40	12.0	827.60	13.0	827.40	15.0	828.20	16.0	828.10	24.0	828.20	51.0	828.50	79.0
829.10	100.0														

STATION 56 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
830.84	47.0	829.89	39.0	831.89	27.5	832.29	.0	831.89	27.5	828.39	44.0	828.20	50.0		

STATION 57 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
834.40	100.0	834.20	91.0	833.00	60.0	833.00	30.0	832.30	19.0	831.70	18.0	831.50	16.0	831.90	13.0
832.06	2.0	832.03	.0	831.50	7.0	831.40	9.0	830.80	11.0	831.00	12.0	831.50	13.0	831.70	15.0
831.20	22.0	831.30	50.0	831.30	74.0	831.40	100.0								

STATION 57 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
833.00	40.0	832.55	37.0	833.55	27.5	833.95	.0	833.55	27.5	830.85	42.0	831.28	45.0		

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STATION 58 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
837.47	100.0	836.97	75.0	836.57	46.0	836.57	21.0	835.37	17.0	835.27	14.0	835.47	3.0	835.42	.0
835.07	6.0	834.87	8.0	834.27	9.0	834.47	10.0	834.57	12.0	834.67	23.0	834.87	38.0	834.97	66.0
835.17	100.0														

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STATION 58 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
836.64	51.0	834.45	36.0	835.15	27.5	835.55	.0	835.15	27.5	834.87	38.0				

STATION 59 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
841.67	100.0	840.67	68.0	840.37	38.0	840.47	21.0	838.97	18.0	838.97	14.0	839.22	5.0	839.18	.0
838.87	5.0	838.67	9.0	840.07	14.0	840.27	23.0	839.97	51.0	840.07	83.0	840.07	100.0		

STATION 59 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
840.47	48.0	836.19	32.0	836.79	27.5	837.19	.0	836.79	27.5	836.19	35.0	839.98	55.0		

STATION 60 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
841.77	85.0	841.47	70.0	841.97	50.0	843.27	34.0	843.77	25.0	843.37	16.0	843.41	6.0	843.36	.0
843.17	5.0	843.17	7.0	844.67	13.0	844.27	20.0	843.27	43.0	843.97	75.0	844.07	100.0		

STATION 60 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
841.97	50.0	842.19	45.0	838.19	27.5	838.59	.0	838.19	27.5	837.59	35.0	842.79	53.0	843.64	60.0

STATION 61 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
841.22	100.0	841.72	92.0	842.82	65.0	843.32	51.0	844.32	28.0	844.02	22.0	844.22	16.0	844.63	6.0
844.60	.0	844.42	4.0	844.42	12.0	846.12	18.0	845.72	45.0	846.72	74.0	847.02	100.0		

STATION 61 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
843.36	50.0	839.49	34.0	839.29	30.0	838.99	27.5	839.49	.0	838.99	27.5	838.49	32.0	838.69	36.0
844.89	55.0	846.24	60.0												

5 STATION 62 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
841.40	100.0	842.60	86.0	842.70	60.0	843.30	41.0	843.20	33.0	844.40	25.0	844.60	18.0	844.60	16.0
4 844.90	6.0	844.90	.0	844.80	5.0	844.80	7.0	844.60	10.0	845.10	14.0	846.00	18.0	846.00	23.0
845.70	41.0	846.30	65.0	846.80	86.0	847.00	100.0								

3 STATION 62 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
843.05	49.0	838.69	36.0	838.89	33.0	839.39	27.5	839.79	.0	839.39	27.5	838.99	37.0	838.99	41.0
2 845.39	57.0	846.17	60.0												

STATION 63 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
839.40	96.0	840.40	66.0	841.10	44.0	841.80	29.0	842.40	23.0	841.60	19.0	841.90	17.0	842.00	15.0
842.49	4.0	842.45	.0	842.20	6.0	842.20	7.0	841.80	10.0	841.10	14.0	843.30	16.0	843.60	20.0
843.70	45.0	844.60	70.0	845.80	100.0										

STATION 63 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
840.97	48.0	837.99	34.0	839.29	27.5	839.69	.0	839.29	27.5	838.39	32.0	838.49	38.0	844.31	62.0

STATION 64 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
834.80	100.0	836.90	73.0	838.00	49.0	838.80	30.0	840.00	22.0	839.80	19.0	839.10	16.0	839.70	14.0
839.80	12.0	840.32	2.0	840.34	.0	840.10	8.0	840.10	10.0	839.70	12.0	838.80	14.0	840.90	17.0
841.50	42.0	841.90	63.0	842.60	79.0										

STATION 64 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
838.38	40.0	837.18	35.0	838.48	27.5	838.88	.0	838.48	27.5	837.28	33.0	837.38	38.0	841.63	49.0

STATION 65 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
830.57	100.0	832.27	72.0	834.07	50.0	835.87	28.0	838.17	20.0	837.57	18.0	838.07	16.0	838.67	14.0
838.77	10.0	839.31	.0	839.17	10.0	839.17	14.0	838.27	17.0	839.77	21.0	841.57	30.0	841.77	37.0
841.57	47.0	841.97	69.0	842.67	78.0	843.57	100.0								

STATION 65 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
835.30	35.0	836.88	27.5	837.28	.0	836.88	27.5	836.38	34.0	841.61	49.0				

STATION 66 00 ORIGINAL

5 ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
829.50	100.0	831.90	75.0	834.30	48.0	836.60	23.0	837.17	14.0	835.77	13.0	836.57	10.0	836.77	8.0
837.22	.0	837.32	2.0	837.27	13.0	837.27	17.0	836.67	21.0	839.07	26.0	839.87	52.0	841.27	69.0
4 841.27	93.0	841.57	100.0												

STATION 66 00 FINAL

3 ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
835.04	40.0	835.08	33.0	835.48	27.5	835.88	.0	835.48	27.5	834.38	34.0	839.81	50.0		

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STATION 67 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
825.24	100.0	827.24	73.0	829.74	48.0	831.74	20.0	832.84	18.0	833.54	14.0	831.44	11.0	831.84	9.0
831.94	7.0	832.19	.0	832.27	4.0	832.54	15.0	832.24	18.0	831.04	22.0	834.44	28.0	835.04	35.0
835.40	57.0	835.40	68.0	836.20	76.0	836.70	90.0	837.20	100.0						

STATION 67 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
830.31	40.0	833.18	27.5	833.58	.0	833.18	27.5	831.78	36.0	835.29	50.0				

STATION 68 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
821.24	100.0	822.34	73.0	823.54	50.0	824.84	25.0	826.14	13.0	825.74	11.0	826.24	8.0	826.44	6.0
826.91	.0	827.03	4.0	827.14	15.0	826.64	18.0	825.34	22.0	827.54	26.0	828.24	30.0	830.94	38.0
831.34	44.0	833.54	75.0	834.74	94.0										

STATION 68 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
823.44	52.0	830.28	27.5	830.68	.0	830.28	27.5	828.88	36.0	831.77	50.0				

STATION 69 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
819.37	100.0	820.37	75.0	821.27	50.0	822.67	21.0	823.37	14.0	822.17	12.0	822.87	10.0	822.97	7.0
823.37	.0	823.40	7.0	823.47	16.0	823.47	18.0	823.27	19.0	822.17	23.0	825.87	33.0	826.67	55.0
827.37	77.0	828.37	100.0												

STATION 69 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
821.16	53.0	827.18	27.5	827.58	.0	827.18	27.5	825.91	34.0						

STATION 70 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
817.27	100.0	818.07	77.0	818.77	50.0	819.57	26.0	820.17	14.0	819.07	12.0	819.77	9.0	819.87	7.0
820.36	.0	820.45	2.0	820.27	13.0	820.27	15.0	819.67	18.0	819.57	20.0	821.97	30.0	822.77	43.0
824.47	71.0	826.07	108.0												

STATION 70 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
818.84	48.0	823.96	27.5	824.36	.0	823.96	27.5	822.22	34.0						

STATION 71 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
815.07	100.0	816.37	80.0	816.87	66.0	817.17	42.0	817.97	20.0	818.07	15.0	816.37	13.0	817.07	10.0
817.17	8.0	817.43	.0	817.47	2.0	817.17	14.0	817.07	16.0	816.27	18.0	816.57	23.0	818.37	27.0
818.97	53.0	819.87	76.0	820.77	100.0										

STATION 71 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
817.13	45.0	820.76	27.5	821.16	.0	820.76	27.5	818.58	36.0						

STATION 72 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
809.77	100.0	811.37	73.0	812.77	47.0	813.97	23.0	814.57	15.0	812.67	13.0	813.47	10.0	813.47	8.0
814.86	.0	814.88	2.0	813.77	13.0	813.87	16.0	812.87	19.0	813.67	23.0	815.47	26.0	815.97	31.0
816.17	55.0	816.87	77.0	817.77	100.0										

STATION 72 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
812.66	49.0	817.66	27.5	818.06	.0	817.66	27.5	816.00	34.0						

STATION 72 73 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
806.27	100.0	807.77	77.0	808.77	48.0	809.77	30.0	811.17	15.0	810.87	13.0	811.47	11.0	811.67	8.0
812.12	.0	812.19	3.0	811.87	18.0	811.57	21.0	810.17	23.0	811.27	25.0	811.67	30.0	813.37	35.0
814.77	40.0	815.17	60.0	815.27	78.0	815.57	100.0								

STATION 72 73 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
808.70	50.0	815.36	27.5	815.76	.0	815.36	27.5	813.93	37.0						

STATION 73 22 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
804.85	100.0	805.55	86.0	806.45	58.0	807.85	34.0	810.55	16.0	809.95	12.0	810.45	10.0	810.55	8.0
810.86	.0	810.86	3.0	810.35	15.0	810.45	17.0	809.85	20.0	811.25	28.0	811.95	43.0	813.05	73.0
814.15	100.0														

STATION 73 22 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
806.97	49.0	813.76	27.5	814.16	.0	813.76	27.5	811.62	36.0						

STATION 74 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
803.55	100.0	804.55	73.0	805.25	48.0	806.05	31.0	808.45	19.0	808.15	15.0	808.55	13.0	808.75	9.0
809.18	.0	809.18	2.0	809.05	14.0	809.05	16.0	808.25	19.0	808.45	22.0	809.85	29.0	810.45	44.0
811.45	71.0	812.15	100.0												

STATION 74 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
805.19	50.0	811.37	27.4	811.67	.0	811.27	27.9	810.01	33.0						

STATION 75 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
801.25	100.0	802.05	87.0	803.45	63.0	804.85	36.0	806.55	23.0	806.65	17.0	805.95	15.0	806.05	13.0
806.65	12.0	806.75	9.0	807.17	.0	806.95	12.0	806.85	17.0	806.25	20.0	806.75	23.0	809.25	32.0
808.75	38.0	809.05	50.0	810.75	75.0	811.65	83.0								

STATION 75 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
804.28	47.0	808.77	27.4	808.47	.0	808.07	28.4	806.67	35.0	808.92	45.0				

STATION 76 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
799.50	100.0	800.80	76.0	801.90	45.0	803.10	29.0	804.80	17.0	803.80	16.0	803.70	14.0	804.80	13.0
805.10	9.0	805.34	.0	805.30	13.0	805.30	17.0	804.00	20.0	804.10	22.0	806.60	29.0	807.10	57.0
807.90	82.0	808.80	100.0												

STATION 76 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
801.79	48.0	806.17	27.3	805.37	.0	804.47	28.9	803.37	34.0	806.89	45.0				

STATION 77 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
797.20	100.0	798.10	85.0	799.40	62.0	801.00	34.0	802.50	28.0	802.40	22.0	800.50	17.0	800.20	16.0
800.90	15.0	801.70	13.0	802.10	.0	802.20	10.0	801.90	13.0	800.70	16.0	801.30	20.0	803.70	27.0
804.50	51.0	805.30	78.0	805.70	100.0										

STATION 77 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
800.83	37.0	803.17	27.3	802.17	.0	801.07	29.3	800.37	33.0	800.17	36.0	804.43	49.0		

STATION 78 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
793.05	100.0	793.85	85.0	794.55	62.0	795.95	36.0	798.05	28.0	798.05	24.0	797.25	23.0	797.15	21.0
797.75	20.0	797.95	16.0	798.42	5.0	798.46	.0	798.35	6.0	798.15	8.0	797.25	13.0	797.55	15.0
797.95	23.0	798.45	54.0	799.35	75.0	799.75	100.0								

STATION 78 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
795.36	47.0	800.07	27.3	798.97	.0	797.87	29.3	796.27	37.0	798.39	50.0				

STATION 79 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
789.25	100.0	790.05	91.0	791.75	64.0	793.15	46.0	795.45	32.0	795.45	29.0	794.65	28.0	794.55	27.0
795.25	24.0	795.35	21.0	795.78	12.0	795.75	1.0	795.75	.0	794.75	4.0	794.85	10.0	795.55	16.0
795.45	41.0	794.85	66.0	794.65	86.0	794.65	100.0								

STATION 79 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
794.96	35.0	796.97	27.3	795.87	.0	794.77	29.3	793.27	38.0	795.28	48.0				

STATION 80 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
789.55	100.0	790.95	79.0	792.05	52.0	792.95	45.0	792.65	39.0	791.95	38.0	791.85	37.0	792.45	34.0
792.75	32.0	793.17	20.0	792.95	9.0	792.85	8.0	791.95	3.0	792.35	.0	793.05	6.0	793.65	20.0
793.65	45.0	793.55	73.0	793.15	100.0										

STATION 80 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
791.97	54.0	794.13	27.3	793.13	.0	792.03	29.3	791.53	32.0	791.53	36.0	793.64	49.0		

STATION 81 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
786.85	100.0	788.45	74.0	789.25	59.0	790.75	51.0	790.25	48.0	789.65	47.0	789.45	46.0	789.85	44.0
790.05	42.0	790.26	31.0	789.95	21.0	789.75	18.0	789.05	15.0	791.05	.0	791.55	19.0	791.55	43.0
790.95	70.0	790.95	100.0												

STATION 81 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
789.20	60.0	790.23	48.0	791.73	27.3	790.63	.0	789.53	29.3	788.73	36.0	788.73	38.0	791.39	50.0

STATION 82 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
785.96	100.0	785.96	81.0	786.36	67.0	787.96	62.0	787.96	60.0	787.26	59.0	787.36	58.0	788.06	56.0
788.06	53.0	788.17	42.0	787.56	31.0	787.26	29.0	786.46	23.0	787.36	18.0	787.16	.0	786.96	28.0
786.86	55.0	787.06	80.0	786.86	100.0										

STATION 82 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
786.33	68.0	788.23	52.0	789.63	27.3	788.63	.0	787.43	29.3	786.23	35.0	786.23	39.0	786.91	42.0

STATION 83 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
784.86	100.0	784.96	89.0	785.66	62.0	786.56	60.0	786.96	56.0	786.85	44.0	785.46	33.0	785.56	29.0
786.56	28.0	784.36	21.0	783.66	.0	783.76	22.0	783.86	52.0	784.46	78.0	785.26	100.0		

STATION 83 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
785.66	62.0	786.83	46.0	787.93	27.3	786.83	.0	785.73	29.3	784.23	36.0	784.23	40.0	783.84	47.0

STATION 84 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
783.86	100.0	784.26	75.0	785.06	60.0	784.96	57.0	784.46	55.0	785.46	52.0	785.76	48.0	786.07	38.0
785.76	26.0	785.06	22.0	784.96	19.0	785.86	15.0	783.96	10.0	784.16	.0	783.46	22.0	783.16	48.0
782.66	72.0	782.76	100.0												

STATION 84 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
785.06	60.0	785.83	47.0	786.53	27.3	785.53	.0	784.43	29.3	782.73	36.0	783.22	43.0		

STATION 85 00 ORIGINAL

	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
5	782.36	100.0	782.76	76.0	784.16	50.0	783.56	46.0	784.56	43.0	784.86	41.0	785.20	30.0	785.16	20.0
	784.86	17.0	783.46	14.0	785.06	10.0	784.06	4.0	783.96	.0	784.36	17.0	782.86	35.0	782.26	70.0
	782.16	100.0														
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STATION 85 00 FINAL

	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
3	784.16	50.0	784.63	46.0	785.53	27.3	784.43	.0	783.33	29.3	782.03	34.0	782.69	45.0		

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STATION 86 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
782.16	100.0	782.16	75.0	782.76	52.0	782.76	46.0	783.06	42.0	782.46	41.0	782.86	39.0	783.56	37.0
783.86	35.0	784.24	24.0	784.36	14.0	783.96	12.0	782.86	8.0	782.96	6.0	783.66	4.0	783.36	.0
782.66	5.0	782.16	35.0	782.46	64.0	781.86	89.0	781.66	100.0						

STATION 86 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
783.06	42.0	783.53	40.0	784.93	27.4	783.83	.0	782.93	28.7	781.53	36.0	782.21	40.0		

STATION 87 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
780.92	100.0	781.42	77.0	781.32	52.0	783.42	42.0	782.12	39.0	782.52	37.0	783.32	32.0	783.69	21.0
783.62	12.0	783.32	10.0	782.32	5.0	783.22	.0	782.42	9.0	782.42	37.0	782.62	55.0	782.62	75.0
782.12	100.0														

STATION 87 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
781.33	55.0	782.69	39.0	783.09	27.5	783.49	.0	783.09	28.1	781.19	36.0	782.49	46.0	782.56	50.0

STATION 88 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
780.92	100.0	781.42	71.0	781.92	46.0	783.22	40.0	781.92	36.0	783.02	32.0	783.42	28.0	783.59	19.0
783.52	9.0	782.82	6.0	782.02	3.0	782.72	.0	783.22	7.0	782.32	9.0	782.32	32.0	782.42	59.0
782.52	75.0	782.62	100.0												

STATION 88 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
781.90	47.0	781.89	41.0	783.09	27.5	783.49	.0	783.09	27.5	781.09	37.0	781.19	40.0	782.38	48.0

STATION 89 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
781.12	100.0	781.22	70.0	781.42	46.0	783.52	39.0	782.22	35.0	782.02	33.0	783.12	30.0	783.62	26.0
783.72	16.0	783.62	7.0	783.12	5.0	781.92	.0	783.02	4.0	783.12	6.0	782.42	11.0	782.52	25.0
782.42	50.0	782.82	72.0	782.82	100.0										

STATION 89 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
781.39	49.0	781.89	40.0	783.09	27.5	783.49	.0	783.09	27.5	780.79	38.0	782.42	49.0		

STATION 90 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
781.52	100.0	782.42	70.0	782.62	43.0	783.72	39.0	782.72	34.0	781.42	31.0	783.52	26.0	783.82	23.0
783.93	13.0	783.92	4.0	783.32	3.0	782.42	.0	782.12	4.0	783.62	6.0	783.32	12.0	782.72	37.0
782.62	62.0	782.12	86.0	781.62	100.0										

STATION 90 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
782.61	45.0	782.09	40.0	783.09	27.5	783.49	.0	783.09	27.5	780.99	38.0	780.99	42.0	781.79	49.0
782.64	57.0														

STATION 91 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
782.62	100.0	782.72	71.0	782.62	42.0	782.92	38.0	782.32	34.0	781.22	30.0	781.52	28.0	783.52	24.0
783.92	22.0	784.28	13.0	784.32	2.0	783.82	.0	782.12	4.0	782.22	6.0	783.52	10.0	784.22	13.0
783.92	22.0	784.02	49.0	784.32	75.0	783.72	100.0								

STATION 91 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
782.69	41.0	781.99	36.0	783.09	27.5	783.49	.0	783.09	27.5	780.79	39.0	781.09	44.0	784.19	64.0

STATION 92 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
786.52	100.0	785.92	89.0	783.32	55.0	783.22	30.0	784.22	21.0	784.32	20.0	784.47	9.0	784.22	.0
784.02	3.0	782.02	6.0	782.42	9.0	785.42	19.0	785.62	37.0	786.02	64.0	786.12	90.0	785.62	100.0

STATION 92 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
783.29	48.0	782.09	37.0	783.19	27.5	783.59	.0	783.19	27.5	781.09	37.0	781.09	42.0	785.99	62.0

5 STATION 93 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
784.04	86.0	783.84	69.0	784.14	42.0	783.64	34.0	783.84	20.0	783.94	18.0	784.16	8.0	783.96	.0
4 783.84	2.0	784.04	4.0	781.94	7.0	781.84	10.0	783.14	11.0	785.54	20.0	785.24	46.0	785.04	70.0
784.14	100.0														

3 STATION 93 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
784.04	51.0	781.49	43.0	781.59	41.0	783.69	27.5	784.09	.0	783.69	27.5	780.69	42.0	785.15	57.0

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STATION 94 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
780.14	100.0	780.84	79.0	781.64	50.0	782.34	31.0	781.44	25.0	783.54	18.0	783.54	17.0	783.88	7.0
783.81	.0	783.74	3.0	783.74	4.0	781.24	10.0	779.74	12.0	780.64	15.0	780.14	20.0	780.64	29.0
781.14	47.0	781.14	57.0	780.74	66.0	779.64	74.0	778.64	81.0	778.74	87.0	780.64	93.0	782.64	112.0

STATION 94 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
781.71	48.0	784.66	27.5	785.06	.0	784.66	27.5	780.66	48.0	780.26	56.0	780.87	63.0		

STATION 95 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
785.14	117.0	783.44	100.0	784.24	73.0	784.74	52.0	785.34	23.0	786.04	20.0	786.30	9.0	786.23	.0
786.24	1.0	786.04	6.0	785.64	9.0	786.74	13.0	786.04	28.0	785.74	47.0	785.84	71.0	785.64	100.0

STATION 95 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
784.80	49.0	784.36	42.0	784.36	40.0	785.06	27.5	785.46	.0	785.06	27.5	784.46	39.0	785.75	50.0

STATION 96 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
773.54	103.0	775.44	100.0	782.44	90.0	782.54	70.0	785.24	62.0	789.74	42.0	789.94	33.0	789.44	28.0
789.54	23.0	789.90	13.0	789.84	3.0	789.74	.0	789.14	3.0	790.04	7.0	791.04	29.0	792.04	51.0
792.24	75.0	793.10	100.0												

STATION 96 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
787.94	50.0	786.46	37.0	787.86	27.5	788.26	.0	787.86	27.5	787.66	37.0	792.06	53.0		

STATION 97 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
773.90	67.0	775.50	65.0	780.60	52.0	787.85	36.0	790.15	31.0	790.35	28.0	790.78	17.0	790.55	7.0
790.45	5.0	790.05	3.0	791.15	.0	792.25	2.0	792.25	25.0	792.65	52.0	793.85	77.0	794.75	100.0

STATION 97 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
787.40	37.0	788.36	33.0	789.36	28.2	789.76	.0	789.96	27.3	789.26	35.0	792.61	49.0		

STATION 98 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
773.70	65.0	774.60	63.0	781.90	54.0	789.85	42.0	791.25	35.0	791.35	33.0	791.68	23.0	791.35	13.0
791.35	12.0	791.05	10.0	792.95	6.0	793.35	3.0	794.45	.0	795.35	3.0	795.05	23.0	795.45	49.0
797.05	75.0	798.25	100.0												

STATION 98 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
789.85	42.0	789.16	39.0	789.16	33.0	790.06	29.0	791.06	.0	792.06	27.2	791.06	33.0	795.51	50.0

STATION 99 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
773.60	81.5	775.00	80.5	776.60	73.5	784.50	61.5	791.25	51.5	791.95	44.5	792.35	40.5	792.66	30.5
792.75	19.5	792.05	17.5	796.15	10.5	795.96	.0	795.95	.5	795.95	22.5	797.45	46.5	799.30	75.5
801.00	100.5														

STATION 99 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
791.90	45.0	791.09	40.0	789.99	35.0	790.69	29.6	792.09	.0	793.39	27.1	790.49	32.0	797.86	53.0

STATION 100 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
773.30	85.0	775.10	84.0	783.11	67.0	791.81	53.0	793.31	44.0	793.41	41.0	793.78	31.0	794.01	20.0
793.11	18.0	796.11	14.0	797.90	8.0	798.17	.0	798.20	1.0	798.90	23.0	800.90	49.0	802.50	71.0
803.70	101.0														

STATION 100 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
793.34	43.0	790.79	34.0	791.39	29.6	792.79	.0	794.09	27.1	793.69	33.0	797.59	50.0	802.35	69.0

5 STATION 101 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
773.40	89.5	773.90	88.5	782.31	68.5	792.01	55.5	793.41	41.5	793.51	39.5	794.00	29.5	794.11	19.5
4 794.11	17.5	793.51	15.5	800.80	4.5	800.27	.0	800.10	1.5	801.20	28.5	802.40	51.5	804.10	73.5
806.40	101.5														

3 STATION 101 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
793.26	43.0	790.79	37.0	791.79	29.6	793.19	.0	794.09	27.1	793.49	35.0	797.79	51.0	803.83	70.0

2

STATION 102 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
773.74	96.1	776.94	87.1	781.24	79.1	787.64	69.1	790.14	61.1	791.84	50.1	792.94	37.1	793.54	27.1
793.54	17.1	793.54	16.1	793.14	15.1	793.24	13.1	794.54	12.1	796.04	10.1	797.40	5.1	800.55	.0
801.10	.9	801.10	1.9	801.60	20.9	803.60	45.9	806.20	76.9	808.60	101.9				

STATION 102 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
792.27	45.0	790.79	37.0	791.99	29.6	793.39	.0	794.69	27.1	794.09	33.0	801.09	54.0	805.54	69.0

STATION 103 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
773.50	102.6	776.70	92.6	782.50	80.6	786.64	69.6	790.64	58.6	791.14	50.6	791.54	42.6	791.94	33.6
792.42	22.6	792.24	13.6	792.04	10.6	795.34	5.6	798.80	.6	799.02	.0	799.90	2.4	800.20	18.4
804.50	45.4	807.40	68.4	810.90	102.4										

STATION 103 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
791.66	40.0	790.49	36.0	791.89	29.6	793.29	.0	794.59	27.1	794.49	31.0	800.69	51.0	807.56	70.0

STATION 104 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
773.60	87.1	776.50	78.1	777.90	72.1	781.54	64.1	788.74	52.1	789.04	47.1	789.34	36.1	790.54	28.1
791.04	18.1	791.14	8.1	791.24	6.1	794.74	.1	794.78	.0	795.94	2.9	797.60	12.9	798.90	31.9
801.10	47.9	806.20	76.9	809.60	102.9										

STATION 104 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
789.29	38.0	789.39	35.0	791.49	29.6	792.89	.0	794.19	27.1	793.59	34.0	799.39	51.0	804.63	68.0

5 STATION 104 48 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
773.30	91.9	777.00	79.9	779.80	61.9	782.70	45.9	784.20	34.9	788.90	28.9	790.00	26.9	790.20	22.9
4 790.81	14.9	791.20	4.9	789.70	2.9	790.10	1.9	791.35	.0	793.40	3.1	794.50	8.1	795.70	23.1
798.30	42.1	801.50	60.1	804.70	82.1	808.60	103.1	811.70	125.1	813.60	144.1				

3 STATION 104 48 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
781.96	50.0	791.08	29.6	792.58	.0	793.98	27.1	792.48	34.0	803.09	71.0				

2

STATION 105 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
781.28	47.7	782.28	35.7	790.08	25.7	790.28	23.7	791.13	14.7	791.88	1.7	791.85	.0	791.78	3.3
793.68	12.3	794.68	28.3	795.48	49.3	800.90	85.3	803.70	103.3						

STATION 105 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
781.42	46.0	790.08	32.0	790.77	29.6	792.17	.0	793.47	27.1	793.48	41.0	796.78	54.0	798.50	67.0
798.90	72.0														

STATION 105 30 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
773.40	96.5	775.30	93.5	776.90	84.5	778.90	68.5	781.20	51.5	782.80	46.5	783.60	39.5	790.90	33.5
790.80	25.5	791.40	15.5	792.20	5.5	792.51	.0	792.70	3.5	794.00	13.5	796.70	39.5	800.00	62.5
803.00	87.5	804.50	103.5												

STATION 105 30 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
790.87	31.0	790.50	29.6	791.90	.0	793.20	27.1	793.50	38.0	794.50	48.0	800.80	67.0	801.26	73.0

STATION 106 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
773.60	100.2	774.50	96.2	775.40	88.2	777.40	76.2	781.90	64.2	786.80	53.2	788.80	46.2	789.50	40.2
790.70	35.2	791.32	22.2	791.50	11.2	791.40	6.2	790.80	4.2	791.40	1.2	791.81	.0	793.10	3.8
795.10	6.8	795.50	27.8	797.10	49.8	800.20	80.8	802.50	103.8						

STATION 106 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
789.29	42.0	790.00	32.0	789.80	29.6	791.20	.0	792.50	27.1	791.70	39.0	795.20	55.0	799.00	67.0
799.92	78.0														

STATION 106 08 ORIGINAL

5 ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
773.40	105.2	775.20	98.2	781.50	92.2	784.30	72.2	786.10	62.2	789.30	42.2	790.60	36.2	790.80	35.2
791.24	22.2	791.40	10.2	791.10	4.2	790.40	3.2	790.72	.0	790.80	.8	793.40	3.8	795.20	6.8
4 795.40	26.8	796.80	47.8	798.60	70.8	800.40	89.8	802.30	103.8						

STATION 106 08 FINAL

3 ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
789.78	40.0	789.30	37.0	789.70	29.6	791.10	.0	792.40	27.1	791.50	40.0	794.90	54.0	799.20	67.0
799.28	78.0														

2

STATION 107 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
786.00	82.7	785.60	74.7	788.60	61.7	788.60	53.7	789.70	48.7	790.00	46.7	790.44	34.7	790.50	21.7
790.70	17.7	789.30	16.7	789.20	13.7	789.30	11.7	794.00	2.7	794.00	.0	794.00	4.3	795.00	27.3
796.50	48.3	797.90	66.3	799.00	82.3	800.70	104.3								

STATION 107 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
789.63	49.0	788.60	41.0	787.60	35.0	788.60	29.6	790.00	.0	791.30	27.1	790.30	37.0	794.20	51.0
799.80	67.0	798.77	79.0												

STATION 108 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
786.60	96.3	786.50	85.3	786.70	68.3	787.90	59.3	788.40	55.3	788.88	41.3	788.80	29.3	788.70	22.3
787.90	21.3	788.10	18.3	790.10	15.3	793.30	10.3	793.51	.0	793.60	4.7	794.20	19.7	796.20	46.7
798.80	77.7	801.20	104.7												

STATION 108 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
787.81	60.0	787.30	46.0	785.80	38.0	788.40	29.6	788.80	.0	790.10	27.1	789.00	40.0	792.90	51.0
798.15	70.0														

STATION 109 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
780.56	94.8	781.76	77.8	785.96	66.8	787.06	58.8	787.57	46.8	787.66	33.8	787.26	27.8	786.36	26.8
786.36	23.8	789.10	18.8	789.50	14.8	791.13	.0	791.70	5.2	794.40	27.2	795.70	43.2	797.60	63.2
799.00	80.2	803.10	105.2												

STATION 109 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
783.59	73.0	786.00	48.0	784.70	40.0	786.40	29.6	787.80	.0	789.10	27.1	788.40	41.0	793.30	57.0
798.49	74.0														

5 STATION 110 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
780.86	94.3	781.76	72.3	784.56	67.3	785.26	64.3	785.76	57.3	786.19	46.3	786.26	33.3	785.66	26.3
4 785.36	25.3	785.26	23.3	785.76	22.3	787.66	18.3	788.97	.0	789.16	2.7	789.70	5.7	791.70	25.7
793.90	45.7	796.30	67.7	797.20	85.7	798.90	105.7								

3 STATION 110 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
782.49	71.0	784.40	60.0	785.00	48.0	784.30	40.0	785.60	29.6	787.00	.0	788.30	27.1	786.90	40.0
2 796.41	70.0														

STATION 111 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
781.72	123.9	781.90	93.9	783.00	73.9	784.52	59.9	785.12	53.9	785.46	40.9	785.62	29.9	785.42	25.9
783.52	20.9	784.40	15.9	785.20	10.9	785.52	.0	785.70	6.1	786.60	20.1	787.70	38.1	790.30	57.1
793.00	86.1	794.90	106.1												

STATION 111 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
783.42	70.0	784.76	50.0	783.36	44.0	785.06	29.6	786.46	.0	787.76	27.1	786.56	33.0	786.86	39.0
789.33	50.0														

STATION 112 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
779.12	93.4	779.42	88.4	780.82	73.4	780.52	67.4	781.22	64.4	781.32	59.4	781.72	57.4	782.72	51.4
783.22	48.4	783.66	35.4	783.72	23.4	783.52	19.4	782.22	14.4	782.22	11.4	784.22	5.4	784.63	.0
785.12	6.6	787.90	36.6	789.00	57.6	790.80	80.6	792.70	106.6						

STATION 112 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
780.75	72.0	782.06	46.0	784.76	30.0	785.76	29.6	786.16	.0	786.56	27.1	785.16	28.0	785.26	37.0
788.60	50.0														

STATION 113 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
778.12	92.9	778.82	68.9	778.92	52.9	779.72	45.9	781.62	37.9	782.02	35.9	782.62	22.9	782.72	11.9
782.62	8.9	781.82	4.9	780.92	3.9	780.62	1.9	780.92	.9	781.91	.0	782.02	.1	782.62	3.1
782.32	7.1	784.42	26.1	785.62	43.1	786.22	62.1	787.10	87.1	788.10	107.1				

STATION 113 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
780.88	41.0	784.56	29.6	785.96	.0	787.26	27.1	785.40	40.0						

STATION 114 00 ORIGINAL

5

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
778.12	92.5	778.22	70.5	778.62	44.5	779.62	34.5	780.82	26.5	781.32	23.5	782.15	11.5	782.41	.0
782.42	.5	782.32	2.5	781.72	7.5	781.22	8.5	781.32	10.5	782.62	27.5	783.12	57.5	784.42	75.5
4 784.92	82.5	786.42	107.5												

STATION 114 00 FINAL

3

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
778.61	45.0	784.56	29.6	785.96	.0	787.26	27.1	782.88	43.0						

2

STATION 115 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
777.31	92.0	777.41	78.0	778.01	52.0	778.81	24.0	780.61	18.0	780.91	15.0	781.78	3.0	781.84	.0
782.01	8.0	782.01	9.0	781.91	11.0	781.31	18.0	780.51	19.0	780.61	24.0	781.51	25.0	781.71	35.0
782.91	59.0	783.91	86.0	785.61	108.0	785.41	134.0	784.71	137.0	784.81	143.0	787.31	149.0	788.21	160.0

STATION 115 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
778.07	50.0	784.86	29.3	785.96	.0	786.96	27.3	782.06	42.0						

STATION 116 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
777.31	91.9	777.91	78.9	778.21	53.9	779.01	29.9	780.01	19.9	781.01	13.9	781.71	10.9	782.15	.0
782.15	.1	782.44	8.1	782.41	10.1	782.41	13.1	781.21	20.1	780.71	26.1	781.21	34.1	782.01	58.1
782.71	83.1	783.91	108.1												

STATION 116 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
778.27	52.0	784.86	29.3	785.96	.0	786.96	27.3	781.61	46.0						

STATION 117 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
777.51	92.3	779.01	70.3	779.81	43.3	780.01	29.3	782.11	15.3	782.51	13.3	782.89	2.3	782.90	.0
782.92	7.7	782.81	11.7	782.51	14.7	782.91	16.7	783.51	34.7	783.61	59.7	784.31	84.7	785.41	107.7

STATION 117 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
779.61	50.0	784.86	29.3	785.96	.0	786.96	27.3	783.52	37.0						

STATION 118 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
780.51	92.7	781.31	74.7	781.91	56.7	782.81	34.7	783.41	27.7	783.11	24.7	784.51	20.7	784.71	18.7
785.04	7.7	785.17	.0	785.21	2.3	784.91	4.3	783.91	7.3	783.61	8.3	785.31	14.3	785.91	34.3
786.11	60.3	786.51	83.3	786.91	107.3										

STATION 118 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
782.47	43.0	784.86	29.3	785.96	.0	786.96	27.3	784.86	38.0	786.06	45.0	786.02	49.0		

STATION 119 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
782.91	93.1	783.81	72.1	784.91	50.1	785.81	29.1	785.31	27.1	786.01	24.1	786.31	22.1	786.61	12.1
786.71	1.1	786.64	.0	786.51	1.9	785.41	2.9	786.01	6.9	789.01	26.9	791.01	48.9	792.21	74.9
793.20	95.9														

STATION 119 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
784.67	55.0	782.76	38.0	784.86	29.3	785.96	.0	786.96	27.3	785.46	37.0	786.76	42.0	791.01	49.0

STATION 120 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
783.61	93.5	784.31	69.5	785.01	45.5	785.21	37.5	786.01	27.5	786.31	23.5	786.50	13.5	786.61	3.5
786.11	.5	785.91	.0	784.91	2.5	786.81	6.5	787.51	10.5	787.81	36.5	789.11	60.5	789.91	88.5
790.21	106.5														

STATION 120 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
784.73	55.0	784.66	49.0	782.96	38.0	784.86	29.3	785.96	.0	786.96	27.3	786.16	36.0	788.36	51.0
788.92	57.0														

STATION 121 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
787.31	123.9	786.01	93.9	785.41	77.9	785.21	56.9	784.91	31.9	785.61	26.9	785.91	23.9	786.21	12.9
786.21	3.9	786.11	.9	785.82	.0	784.51	4.1	785.61	6.1	786.01	12.1	785.71	34.1	786.00	58.1
786.10	83.1	786.30	106.1												

STATION 121 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
785.16	53.0	785.06	47.0	783.46	36.0	784.86	29.3	785.96	.0	786.96	27.3	785.73	36.0		

STATION 122 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
785.31	94.3	785.11	69.3	785.31	41.3	786.01	20.3	786.29	10.3	786.12	.0	786.11	.7	785.81	3.7
785.41	5.7	785.31	7.7	785.81	8.7	786.21	14.7	785.71	37.7	785.61	60.7	785.71	84.7	785.81	105.7

STATION 122 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
785.23	53.0	785.26	48.0	783.56	38.0	784.86	29.3	785.96	.0	786.96	27.3	785.76	35.0	785.70	40.0

STATION 123 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
786.41	94.7	786.11	69.7	786.31	48.7	786.71	24.7	785.71	19.7	786.11	17.7	786.21	15.7	786.67	2.7
786.61	.0	786.48	5.3	786.31	8.3	786.21	10.3	785.71	12.3	786.11	13.3	786.51	21.3	786.11	42.3
786.21	65.3	786.11	86.3	786.61	105.3										

STATION 123 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
786.25	55.0	786.16	49.0	783.76	38.0	784.86	29.3	785.96	.0	786.96	27.3	786.23	36.0		

STATION 124 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
786.61	95.1	786.91	69.1	787.11	41.1	787.31	16.1	786.51	11.1	786.81	9.1	786.91	7.1	787.26	.0
787.51	4.9	787.31	16.9	787.21	18.9	786.61	20.9	787.11	24.9	787.31	28.9	786.61	57.9	786.81	81.9
786.71	104.9														

STATION 124 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
787.02	54.0	786.96	48.0	784.66	36.0	784.86	29.3	785.96	.0	786.96	27.3	785.96	37.0	786.86	45.0
786.82	49.0														

STATION 125 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
787.31	95.5	787.11	70.5	787.11	45.5	787.11	20.5	787.11	6.5	786.61	2.5	787.19	.0	787.31	.5
787.57	4.5	787.77	12.5	788.11	23.5	788.01	27.5	787.51	29.5	787.41	31.5	787.81	38.5	787.91	69.5
788.61	104.5														

STATION 125 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
787.11	51.0	786.85	47.0	783.95	36.0	784.85	29.3	785.95	.0	786.95	27.3	785.75	39.0	787.75	48.0
787.85	51.0														

STATION 126 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
784.71	95.9	785.41	73.9	785.31	47.9	785.71	22.9	786.61	10.9	784.91	5.9	785.61	3.9	785.85	.0
786.10	4.1	786.23	7.1	786.51	18.1	786.31	21.1	785.41	26.1	785.71	29.1	786.01	53.1	786.51	76.1
787.61	104.1														

STATION 126 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
785.33	54.0	785.45	49.0	783.35	40.0	784.85	29.3	785.95	.0	786.95	27.3	785.05	39.0	785.75	46.0
786.03	54.0														

STATION 127 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
781.28	96.3	781.38	75.3	781.08	69.3	781.18	66.3	781.38	62.3	782.08	37.3	782.88	23.3	784.18	19.3
784.55	8.3	784.72	.0	784.78	2.7	784.58	3.7	783.28	8.7	782.78	35.7	783.48	58.7	783.38	79.7
783.08	103.7														

STATION 127 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
781.81	47.0	782.15	42.0	784.85	29.3	785.95	.0	786.95	27.3	782.95	43.0	783.15	48.0		

STATION 128 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
781.18	96.7	781.58	74.7	781.98	51.7	782.88	41.7	782.78	38.7	783.78	35.7	784.02	25.7	783.78	15.7
783.58	12.7	782.58	10.7	782.35	.0	782.28	3.3	782.48	22.3	782.98	50.3	782.78	74.3	783.58	103.3

STATION 128 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
782.40	47.0	784.95	29.3	786.05	.0	787.15	27.3	782.65	43.0	782.97	51.0				

STATION 129 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
781.75	97.2	782.55	72.2	782.45	65.2	783.05	56.2	783.65	52.2	783.95	42.2	783.75	30.2	783.65	28.2
783.05	26.2	782.15	9.2	782.23	.0	782.25	2.8	782.05	30.8	782.55	64.8	782.65	91.8	782.85	102.8

STATION 129 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
783.23	55.0	783.85	41.0	785.35	29.3	786.45	.0	787.45	27.3	782.85	47.0	782.38	53.0		

STATION 130 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
782.85	97.6	783.35	83.6	783.45	71.6	782.95	69.6	784.35	64.6	784.55	54.6	784.45	42.6	783.95	39.6
783.65	35.6	784.05	18.6	784.05	.0	784.05	2.4	784.15	21.4	784.65	47.4	784.75	73.4	784.85	102.4

STATION 130 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
783.41	76.0	783.55	68.0	783.35	63.0	782.25	49.0	785.95	29.3	787.05	.0	788.05	27.3	784.45	43.0
784.66	49.0														

STATION 131 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
783.15	98.0	783.25	91.0	783.75	86.0	783.75	80.0	784.45	78.0	784.75	75.0	784.94	64.0	784.85	54.0
784.65	52.0	783.95	49.0	784.45	44.0	784.35	19.0	784.17	.0	784.15	2.0	784.25	25.0	784.45	48.0
784.85	73.0	785.15	102.0												

STATION 131 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
783.55	88.0	784.05	80.0	783.45	47.0	786.75	29.3	787.85	.0	788.85	27.3	785.05	43.0	784.48	50.0

STATION 132 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
784.25	98.4	784.55	91.4	784.35	88.4	783.85	85.4	784.45	83.4	784.95	80.4	785.30	69.4	785.35	59.4
785.05	57.4	784.45	54.4	785.85	43.4	785.55	26.4	785.74	.0	785.75	1.6	786.35	27.6	786.55	50.6
786.95	79.6	787.15	101.6												

STATION 132 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
784.35	96.0	784.65	85.0	784.65	71.0	783.95	48.0	787.85	29.3	788.95	.0	789.95	27.3	786.51	46.0

STATION 133 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
786.55	98.8	785.95	92.8	785.05	89.8	786.05	86.8	786.45	83.8	786.73	71.8	786.45	62.8	786.25	59.8
785.85	58.8	785.95	57.8	786.95	50.8	786.75	36.8	787.05	13.8	787.14	.0	787.15	1.2	787.75	26.2
787.85	49.2	788.55	74.2	788.95	101.2										

STATION 133 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
785.65	88.0	785.95	80.0	785.55	50.0	789.15	29.3	790.25	.0	791.35	27.3	787.84	46.0		

STATION 134 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
788.82	99.2	788.72	91.2	787.82	89.2	787.72	88.2	788.52	86.2	788.72	84.2	788.96	73.2	788.72	62.2
788.72	61.2	788.02	57.2	788.72	53.2	790.32	44.2	791.52	30.2	792.32	10.2	793.15	.0	793.22	.8
794.82	28.8	795.72	55.8	795.52	85.8	795.02	100.8								

STATION 134 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
788.20	87.0	787.95	47.0	790.55	29.3	791.65	.0	792.75	27.3	792.05	35.0	795.49	49.0		

STATION 135 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
795.25	174.6	795.25	147.6	794.65	122.6	793.55	99.6	792.05	89.6	791.05	88.6	790.85	87.6	791.65	86.6
792.45	80.6	792.46	69.6	792.05	59.6	791.55	55.6	795.75	45.6	799.25	40.6	798.85	32.6	798.85	13.6
798.75	.0	798.75	.4	797.75	26.4	796.45	52.4	795.05	76.4	794.45	100.4				

STATION 135 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
793.62	101.0	793.45	96.0	790.45	42.0	791.85	29.3	792.95	.0	793.95	27.3	792.95	34.0	795.25	44.0
796.52	51.0														

STATION 136 00 CRIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
797.75	167.0	796.75	127.0	796.55	100.0	795.85	85.0	795.05	81.0	796.05	76.0	796.28	64.0	796.35	53.0
796.25	52.0	795.65	50.0	795.75	48.0	798.05	40.0	797.85	36.0	796.45	33.0	796.45	25.0	796.25	.0
795.75	23.0	796.25	48.0	796.25	74.0	796.25	100.0								

STATION 136 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
795.85	85.0	792.35	37.0	793.35	28.9	793.85	.0	794.45	27.3	793.35	33.0	796.25	48.0		

STATION 137 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
797.65	100.0	797.75	86.0	798.55	83.0	798.15	77.0	797.65	75.0	796.25	73.0	796.05	71.0	796.55	69.0
796.95	66.0	796.99	56.0	796.65	46.0	796.65	44.0	796.05	40.0	796.25	36.0	795.65	29.0	795.25	26.0
795.65	.0	796.05	30.0	795.75	56.0	795.55	77.0	795.25	100.0						

STATION 137 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
798.02	85.0	797.35	80.0	793.05	39.0	794.35	28.4	794.75	.0	794.85	27.3	793.45	34.0	796.05	44.0
795.82	50.0														

STATION 138 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
793.56	100.0	793.76	77.0	794.36	64.0	794.86	61.0	795.16	58.0	795.54	47.0	795.26	37.0	794.86	33.0
794.46	31.0	794.06	20.0	793.76	.0	793.96	25.0	794.26	52.0	794.86	76.0	795.46	100.0		

STATION 138 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
793.75	78.0	793.45	40.0	795.05	28.0	795.45	.0	795.05	27.4	793.75	34.0	794.16	43.0		

STATION 139 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
796.46	100.0	796.46	93.0	796.86	68.0	796.26	60.0	794.36	56.0	794.26	54.0	794.86	52.0	795.46	50.0
795.73	40.0	795.36	29.0	795.26	28.0	794.76	21.0	797.96	17.0	798.36	13.0	796.56	9.0	796.66	.0
795.36	27.0	794.66	55.0	794.86	75.0	795.26	100.0								

STATION 139 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
796.34	61.0	794.05	40.0	795.55	27.5	795.95	.0	795.55	27.5	794.25	35.0	794.96	43.0		

STATION 140 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
797.26	100.0	797.66	73.0	797.56	50.0	796.16	48.0	797.66	43.0	797.74	32.0	797.56	21.0	797.56	19.0
797.16	16.0	798.46	13.0	798.46	9.0	797.96	.0	796.96	23.0	795.86	47.0	795.76	70.0	795.76	100.0

STATION 140 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
797.61	62.0	794.65	37.0	795.95	27.5	796.25	.0	795.95	27.5	794.65	36.0	795.95	45.0		

STATION 141 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
797.26	100.0	798.26	74.0	799.36	47.0	799.06	43.0	797.96	40.0	798.36	39.0	799.06	35.0	799.22	25.0
798.96	14.0	798.86	11.0	798.36	8.0	799.36	4.0	799.56	.0	797.96	4.0	797.46	29.0	796.06	55.0
795.56	76.0	795.36	100.0												

STATION 141 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
798.91	58.0	795.02	36.0	796.02	27.5	796.42	.0	796.02	27.5	795.02	38.0	796.04	56.0		

STATION 142 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
797.56	100.0	798.46	82.0	799.26	62.0	800.06	37.0	799.66	30.0	799.76	27.0	800.10	17.0	799.96	5.0
799.78	.0	799.46	8.0	798.16	30.0	797.36	42.0	796.36	56.0	796.46	76.0	796.56	100.0		

STATION 142 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
799.68	49.0	795.52	34.0	796.02	27.6	796.42	.0	796.02	27.5	795.42	40.0	796.22	46.0	796.79	50.0

STATION 143 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
796.47	129.0	797.37	100.0	797.97	79.0	798.67	54.0	799.17	35.0	799.57	19.0	799.56	9.0	799.47	.0
799.47	7.0	800.17	11.0	799.57	26.0	798.27	36.0	797.67	57.0	797.57	85.0	797.47	100.0		

STATION 143 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
798.78	50.0	798.12	47.0	795.62	35.0	796.52	27.6	796.42	.0	796.12	27.5	795.32	33.0	798.12	46.0
797.81	52.0														

STATION 144 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
798.77	99.2	798.97	76.2	798.77	55.2	798.57	30.2	798.17	18.2	797.57	14.2	797.87	12.2	797.87	11.2
798.11	.2	798.11	.0	797.97	8.8	798.57	18.8	798.57	38.8	798.57	63.8				

STATION 144 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
798.73	50.0	795.52	34.0	796.82	27.6	796.42	.0	796.12	27.5	795.22	35.0	798.57	50.0		

STATION 145 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
797.27	102.3	798.47	83.3	798.37	57.3	797.47	39.3	796.97	18.3	796.37	14.3	794.47	9.3	795.47	7.3
795.47	5.3	795.57	2.3	795.62	.0	795.74	5.7	795.37	15.7	795.37	17.7	794.67	23.7	793.77	44.7
794.17	69.7	794.07	97.7												

STATION 145 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
798.10	52.0	795.52	37.0	796.82	27.6	796.42	.0	796.12	27.5	794.14	36.0				

STATION 146 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
790.97	105.9	791.57	81.9	792.07	48.9	793.07	19.9	793.77	10.9	793.77	8.9	793.37	6.9	793.77	5.9
793.97	2.9	794.77	.9	794.78	.0	794.91	10.1	794.67	21.1	794.57	22.1	793.97	24.1	794.27	27.1
5 793.97	34.1	793.77	60.1	793.77	85.1	793.87	94.1								

STATION 146 00 FINAL

4 ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
792.17	46.0	796.82	27.6	796.42	.0	796.12	27.5	793.93	39.0						

3 STATION 147 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
798.97	75.4	798.97	66.4	796.47	43.4	795.17	25.4	794.17	8.4	793.87	6.4	794.07	5.4	794.57	.4
2 794.58	.0	794.87	9.6	794.67	20.6	794.37	23.6	794.67	34.6	795.17	56.6	795.47	83.6		

STATION 147 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
796.30	41.0	795.28	37.0	796.88	27.6	796.48	.0	796.08	27.5	794.70	36.0				

STATION 148 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
799.77	70.6	799.47	42.6	798.87	24.6	797.57	9.6	796.67	5.6	796.57	1.6	796.57	.0	796.57	8.4
796.37	18.4	796.07	41.4	796.17	66.4	795.97	90.4								

STATION 148 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
799.52	47.0	796.68	35.0	796.88	27.6	796.48	.0	796.08	27.5	793.48	38.0	795.58	45.0	796.10	50.0

STATION 149 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
797.92	72.4	797.22	49.4	796.42	25.4	796.42	12.4	796.02	10.4	795.92	9.4	795.92	4.4	796.04	.0
796.22	6.6	795.72	16.6	795.02	34.6	795.02	57.6	795.22	88.6						

STATION 149 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
796.74	35.0	796.88	27.6	796.48	.0	796.08	27.5	792.98	39.0	794.98	46.0	795.02	51.0		

STATION 149 40 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
794.32	84.0	795.02	76.0	796.52	52.0	796.32	22.0	796.72	17.0	795.52	11.0	795.62	9.0	795.82	5.0
795.85	.0	795.89	5.0	795.52	15.0	795.12	21.0	794.82	32.0	794.92	53.0	794.32	55.0	793.82	66.0

STATION 149 40 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
796.45	41.0	795.58	37.0	796.88	27.6	796.48	.0	796.08	27.5	794.87	30.0				

5 STATION 149 60 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
791.72	83.7	794.12	50.7	795.62	25.7	795.62	11.7	795.42	10.7	795.52	8.7	795.82	5.7	795.89	.0
4 795.95	5.3	795.62	15.3	795.42	19.3	794.72	24.3	794.92	30.3	794.32	31.3	792.52	48.3	791.32	66.3

3 STATION 149 60 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
794.94	37.0	796.88	27.6	796.48	.0	796.08	27.5	792.87	45.0						

2

STATION 150 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
786.52	108.0	787.82	70.0	788.92	43.0	788.52	32.0	786.92	26.0	788.32	22.0	794.62	10.0	795.32	8.0
795.52	5.0	795.68	.0	795.85	5.0	795.72	15.0	794.62	22.0	794.32	23.0	791.32	42.0	790.72	67.0

STATION 150 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
788.55	52.0	792.58	42.0	796.88	27.6	796.48	.0	796.08	27.5	794.48	36.0	791.18	48.0		

STATION 150 50 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
781.52	101.8	782.32	75.8	782.52	44.8	783.52	41.8	784.22	29.8	793.52	20.8	794.92	6.8	795.12	4.8
795.29	.0	795.44	4.2	795.42	15.2	794.72	20.2	794.32	21.2	790.72	29.2	786.32	43.2	785.32	68.2

STATION 150 50 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
782.39	65.0	783.88	61.0	791.28	41.0	796.88	27.6	796.48	.0	796.08	27.5	785.25	70.0		

STATION 151 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
780.77	105.3	781.87	81.3	782.37	60.3	783.47	38.3	786.37	24.3	792.47	15.3	794.67	11.3	794.87	5.3
794.97	3.3	795.07	.0	795.24	5.7	795.37	16.7	794.97	23.7	794.37	24.7	789.27	31.7	786.37	44.7
784.37	69.7														

STATION 151 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
782.31	63.0	789.18	46.0	796.88	27.6	796.48	.0	796.08	27.5	794.58	32.0	783.95	75.0		

STATION 151 50 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
779.97	103.4	780.17	101.4	780.47	100.4	781.67	83.4	781.97	62.4	783.27	36.4	784.60	28.4	788.40	18.4
793.57	9.4	794.87	6.4	794.97	3.4	795.06	.0	795.24	6.6	795.37	17.6	794.97	21.6	794.37	22.6
787.97	38.6	785.47	46.6	783.47	71.6										

STATION 151 50 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
781.93	65.0	790.98	44.0	796.88	27.6	796.48	.0	796.08	27.5	784.00	65.0				

STATION 152 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
781.37	101.8	781.57	78.8	781.80	57.8	781.80	41.8	781.40	39.8	782.00	36.8	782.50	30.8	786.70	20.8
794.77	7.8	795.17	4.8	795.17	3.8	795.27	1.8	795.32	.0	795.49	6.2	795.57	17.2	794.97	21.2
794.37	22.2	791.37	30.2	786.47	48.2	783.47	73.2								

STATION 152 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
781.62	74.0	782.38	69.0	790.38	46.0	796.88	27.6	796.48	.0	796.08	27.5	794.58	34.0	782.89	78.0

STATION 152 50 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
782.00	100.6	782.30	74.6	782.40	55.6	781.70	54.6	782.00	53.6	782.10	43.6	782.60	30.6	788.60	17.6
793.80	10.6	795.00	7.6	795.30	3.6	795.45	.6	795.47	.0	795.67	6.4	795.77	17.4	794.87	22.4
794.37	23.4	790.87	36.4	785.07	49.4	783.67	74.4								

STATION 152 50 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
782.31	73.0	782.52	69.0	790.02	48.0	796.82	27.5	796.42	.0	796.02	27.6	794.42	33.0	783.52	77.0

STATION 153 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
783.21	100.1	783.61	74.1	784.01	48.1	782.61	36.1	782.31	34.1	783.01	32.1	783.21	27.1	789.71	17.1
794.21	11.1	795.21	8.1	795.81	4.1	795.94	.1	795.94	.0	796.03	5.9	796.01	15.9	795.21	20.9
794.41	21.9	786.61	39.9	785.01	54.9	784.31	74.9								

STATION 153 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
783.66	71.0	789.22	50.0	796.82	27.5	796.42	.0	796.02	27.6	794.52	31.0	784.31	75.0		

STATION 153 50 CRIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
783.64	100.0	784.14	75.0	783.74	49.0	783.54	48.0	783.44	46.0	783.54	44.0	783.84	42.0	784.44	31.0
788.84	20.0	794.34	11.0	795.44	8.0	795.94	5.0	796.11	.0	796.25	5.0	796.24	16.0	795.64	21.0
794.34	22.0	790.34	33.0	789.04	40.0	786.34	55.0	786.44	75.0						

STATION 153 50 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
784.00	66.0	790.02	49.0	796.72	27.6	796.42	.0	796.12	27.5	794.52	34.0	786.42	70.0		

STATION 154 00 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
785.94	100.0	786.04	65.0	786.14	50.0	784.74	36.0	784.44	35.0	784.24	34.0	784.44	33.0	785.34	27.0
795.64	11.0	796.44	6.0	796.57	.0	796.60	4.0	796.34	14.0	795.84	18.0	794.34	20.0	791.14	32.0
788.44	40.0	787.64	55.0	787.54	75.0										

STATION 154 00 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
786.03	70.0	784.12	63.0	790.22	47.0	796.72	27.5	796.42	.0	796.12	27.5	794.52	32.0	787.60	62.0

STATION 154 50 ORIGINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
786.96	100.0	787.26	78.0	786.96	66.0	784.96	61.0	784.96	54.0	785.36	34.0	788.46	23.0	795.56	11.0
796.76	6.0	796.83	.0	796.56	13.0	796.06	17.0	794.36	18.0	790.76	30.0	788.86	45.0	788.96	60.0
790.36	75.0														

STATION 154 50 FINAL

ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST	ELEV	DIST
784.96	56.0	791.62	41.0	796.22	27.5	796.52	.0	796.22	27.5	794.52	32.0	788.93	55.0		