

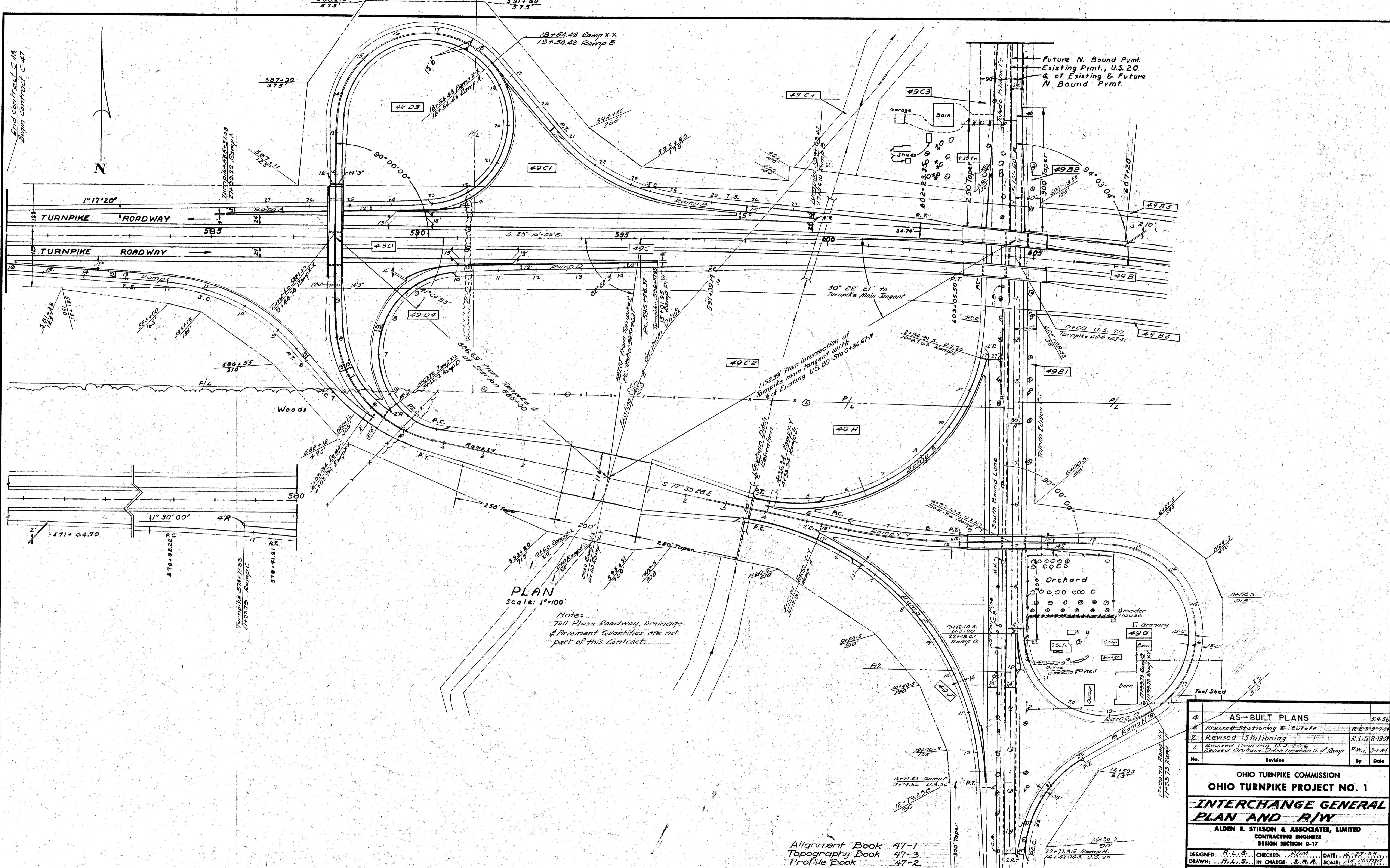
QUANTITIES					
No.	Item	Location & Remarks	Unit	Estimated Quantity	Final Quantity
E1	Roadway	Excavation	CY	7722	7881
E3	Channel	Excavation	CY	20,508	19,524
E11	Water		M. Gal	1355	52
E15	Guard Rail	Type A	LF	1350	1346.17
E15	Guard Rail	Type B	LF	2488	2482
E23	R/W Fence	Type No 2	LF	3845	4087.2
E24	Permanent Monuments		EA	2	2
E28	Temporary Cattle Fence		LF	420	113
L-3	Placing Stockpiled Topsoil		SY	14626	14520
L-9	Seeding & Protecting	Type A	SY	14626	14520
L-9	Special Seeding		SY	34939	32374
L-9	Commercial Fertilizer	10-6-4	Ton	132	41
E2	Structure	Excavation	CY	95	86.24
E2	Pipe for Storm Sewers	Under Par. 54" RCP (M-66-b)	LF	284	283
E2	Pipe for Storm Sewers	Under Par. 54" RCP (M-66-b)	LF	274	253
I-3	Inlets, Type A-1		EA	2	2
I-30	6" 15' RCP (M-66-b)		EA	2047	2031
I-30	6" Pipe Outlets		EA	80	220
E14	Plain Concrete Paved Ditches		SY	126	1428
S-1	Concrete Box Structures		CY	20.3	21.43
S-4	Reinforcing Steel		Lb.	874	889
E22	Selected Sub-base		CY	7574	7467.86
T-33	Bit. Macadam Surface Course (3")		SY	9985	9750
T-71	10" Reinforced Portland Cement Conc. Pavement		SY	14819	14764
J-5	15" C.M.F. 30" Berms				2
I-23	Construction Contract Information	Signs	EA	2	2

Alignment Book 47-1
 Topography Book 47-3
 Profile Book 47-2

OHIO TURNPIKE COMMISSION
OHIO TURNPIKE PROJECT NO. 1
PLAN AND PROFILE
STA. 594+00 TO STA. 621+00
 ALDEN E. STILSON & ASSOCIATES, LIMITED
 CONTRACTING ENGINEER
 DESIGN SECTION D-17

DESIGNED: N.E.S. CHECKED: R.M.M. DATE: 4-25-53
 DRAWN: N.E.S. IN CHARGE: S.R.R. SCALE: 1"=100' Horizontal
 1"=10' Vertical

CONTRACT No. C-47 SHEET 6 OF 131

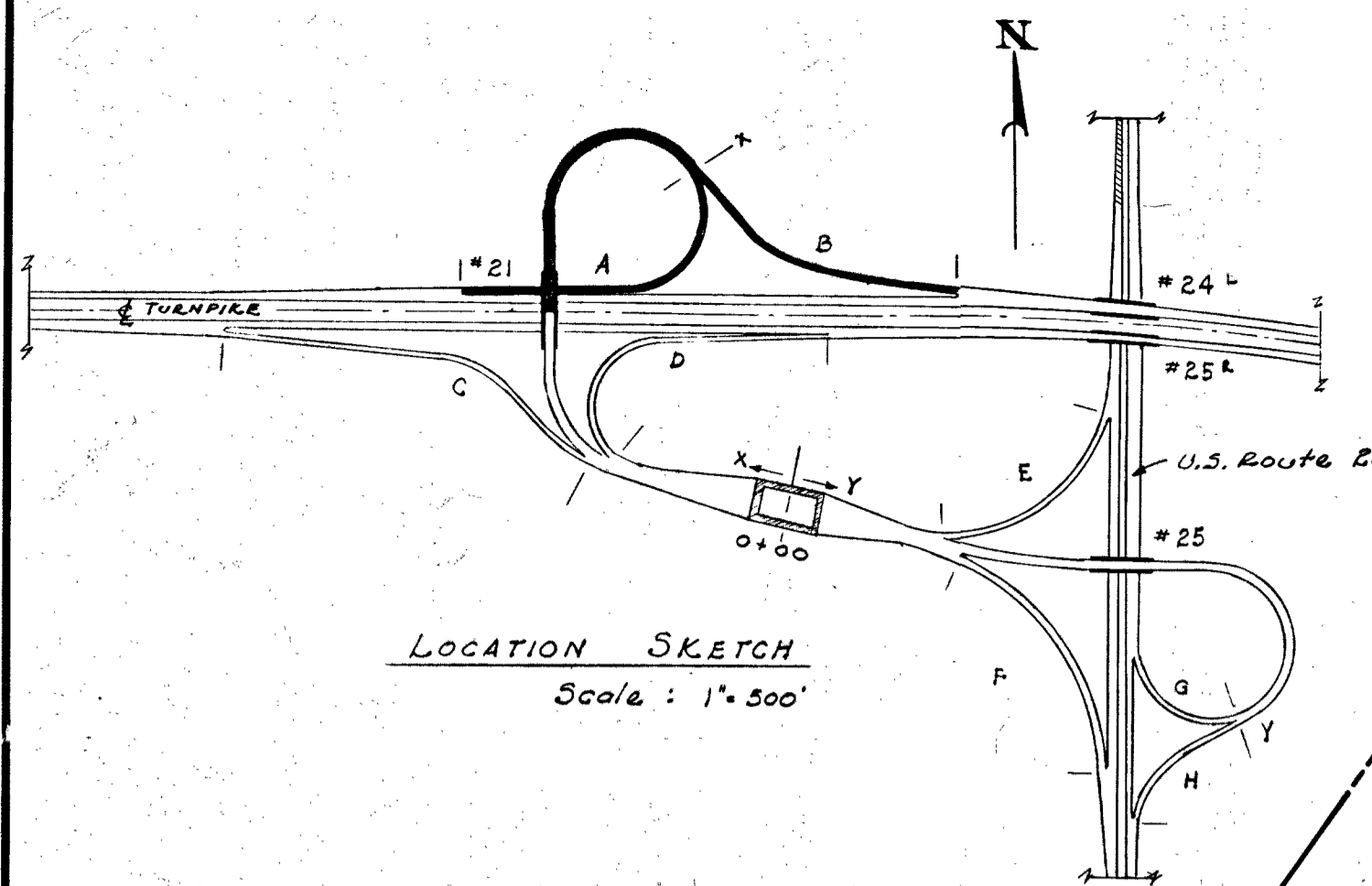


PLAN
Scale: 1"=100'

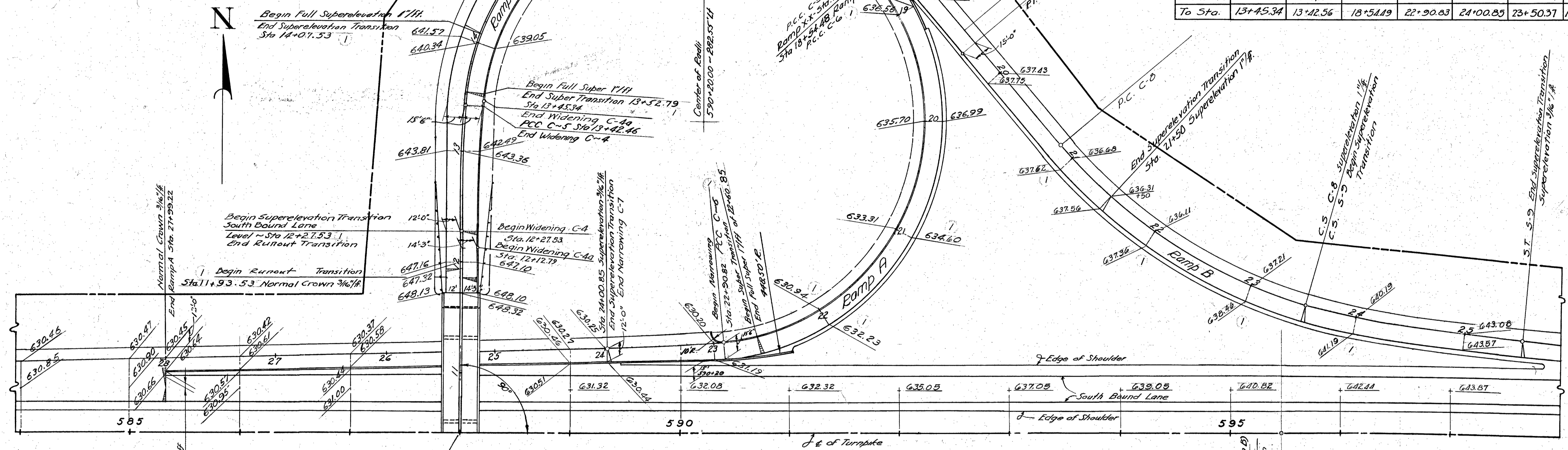
Note:
Toll Plaza Roadway, Drainage
& Pavement Quantities are not
part of this Contract.

Alignment Book 47-1
Topography Book 47-3
Profile Book 47-2

4	AS-BUILT PLANS	5-9-56
5	Revised Stationing & Cutoff	R.L.S. 9-7-56
2	Revised Stationing	R.L.S. 8-13-56
1	Revised Bearing, U.S. 20 & Revised Graham Ditch Location 3 of Ramp	P.W.I. 3-1-54
No.	Revision	By Date
OHIO TURNPIKE COMMISSION OHIO TURNPIKE PROJECT NO. 1 INTERCHANGE GENERAL PLAN AND R/W ALDEN E. STILSON & ASSOCIATES, LIMITED CONTRACTING ENGINEER DESIGN SECTION D-17		
DESIGNED: R.L.S.	CHECKED: R.M.	DATE: 6-29-56
DRAWN: R.L.S.	IN CHARGE: S.R.P.	SCALE: As Noted
CONTRACT NO. C-47 SHEET 16 OF 31		

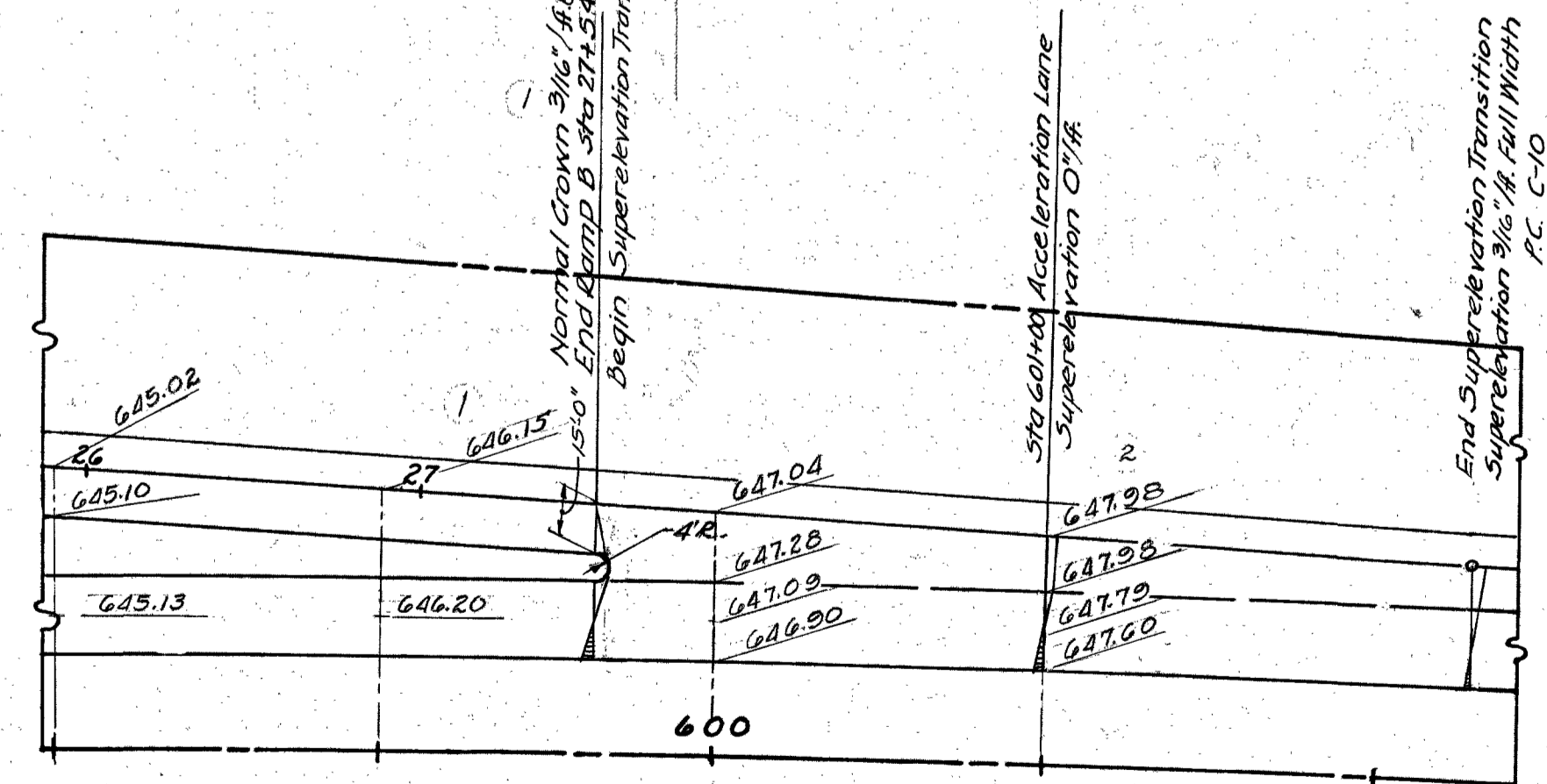


LOCATION SKETCH
Scale: 1"=500'



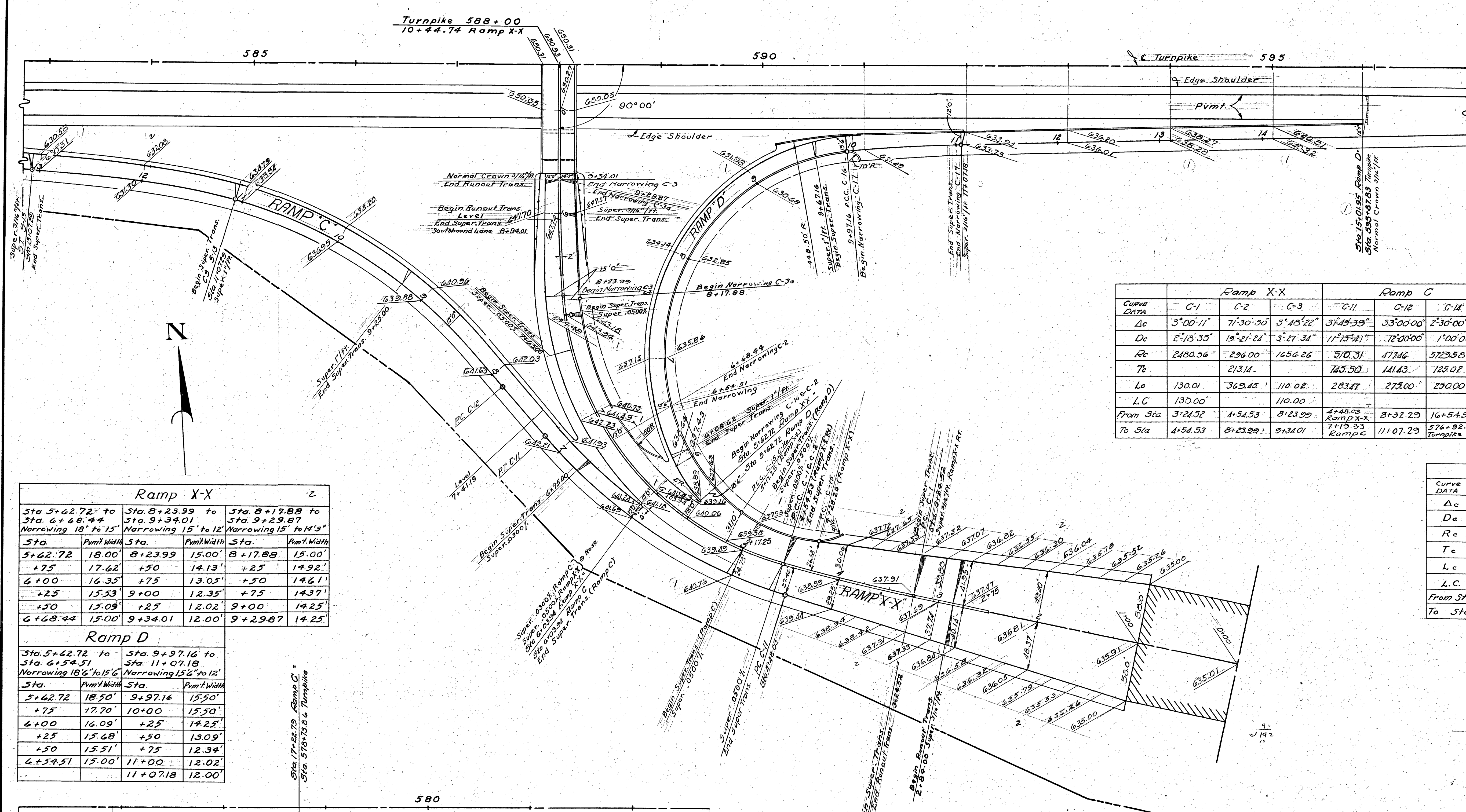
CURVE DATA	Ramp X-X			Ramp A			Ramp B			SPIRAL DATA	Ramp B
	C-4a	C-4	C-5	C-6	C-7	C-8	C-8a	C-10	S-9		
Δ_c	4°45'04"	4°01'08"	135°28'52"	125°00'08"	4°12'32"	32°30'00"	0°31'15"	2°05'08"	Θ_s	12°00'00"	
D_c	3°37'15"	3°29'38"	26°27'52"	28°38'52"	3°49'32"	12°00'00"	0°28'25"	0°20'00"	X_c	199.12	
R_c	1582.40	1639.86	216.50	200.00	1497.74	477.46	12100.00	1788.73	Y_c	13.92	
T_c			528.95	384.21		139.17		312.86	L_s	200.00	
L_c	131.22	115.02	511.93	436.34	110.02	270.83	110.00	625.65	$S.T.$	66.95	
L.C.	131.18	115.00			110.00			110.00	L.T.	133.64	
From Sta.	12+12.79	12+27.53	13+42.56	18+54.19	22+90.83	20+79.54	18+52.48	602+2335	From Sta.	23+50.37	
To Sta.	13+45.34	13+42.56	18+54.19	22+90.83	24+00.85	23+50.37	19+62.48	608+45.77	To Sta.	25+50.37	

Ramp X-X				Ramp A				Ramp B				Deceleration Lane Offsets			
Sta.	Permit Width	Sta.	Permit Width	Sta.	Permit Width	Sta.	Permit Width	Sta.	Offset	Sta.	Offset	Sta.	Offset	Sta.	Offset
12+27.53	12.00'	12+12.79	14.25'	22+90.82	15.50'	18+52.48	15.50'	599+6337	23.01'	602+50	11.91'	607+00	2.40'		
+50	12.15'	+25	14.30'	23+00	15.40'	+54.48	15.49'	+75	22.44'	+75	11.20'	607+20	2.10'		
+75	12.69'	+50	14.53'	+25	13.92'	+75	15.32'	600+00	21.22'	603+00	10.59'	+50	1.69'		
13+00	13.60'	+75	14.78'	+50	12.86'	19+00	15.16'	+25	19.83'	+25	9.87'	+75	1.43'		
+25	14.90'	13+00	15.03'	+75	12.22'	+25	15.06'	+50	18.94'	603+4029	9.50'	608+00	1.16'		
13+42.46	15.50'	+25	15.30'	24+00.85	12.00'	+50	15.01'	+75	17.89'	605+4193	5.04'	+25	.90'		
		13+45.34	15.50'			19+62.48	15.00'	601+00	16.88'	+50	4.93'	608+45.77	.61'		
								+25	15.94'	+75	4.52'	+75	.34'		
								+50	15.04'	606+00	4.11'	609+00	.18'		
								+75	14.20'	+25	3.86'	+25	.06'		
								602+00	13.42'	+50	3.27'	+50	.01'		
								602+23.35	12.74'	606+75	2.84'	609+63.35			



Note: For Special Details of Construction Joints See Sheets Nos. 24 & 25

3	AS-BUILT PLANS	5-9-56
2	Added Widening Table; Revised Grade	R.L.S. 9-7-54
1	Revised Grades of Stationing	R.L.S. 8-23-54
No.	Revision	By Date
OHIO TURNPIKE COMMISSION OHIO TURNPIKE PROJECT NO. 1		
INTERCHANGE - CURVE AND SUPERELEVATION DETAILS RAMP X-X, RAMP A & RAMP B		
ALDEN E. STILSON & ASSOCIATES, LIMITED CONTRACTING ENGINEER DESIGN SECTION D-17		
DESIGNED: R.L.S.	CHECKED: R.E.S.	DATE: 7-7-54
DRAWN: R.L.S.	IN CHARGE: S.R.R.	SCALE: 1"=50'
CONTRACT NO. C-47 SHEET 20 OF 31		



Acceleration Lane Offsets
 Sta. 595+87.83 to Sta. 603+05.50
 Offsets Measured from S. Edge Pvm't to Outside Edge Lane, Normal to E.

Sta.	Offset	Sta.	Offset
595+87.83	16.00'	599+50	4.37'
596+00	15.66'	+75	3.77'
+25	14.94'	600+00	3.22'
+50	14.14'	+25	2.72'
+75	13.29'	+50	2.27'
597+00	12.39'	+75	1.74'
+25	11.44'	601+00	1.46'
597+39.14	11.06'	+25	1.12'
+50	10.87'	+50	.84'
+75	9.73'	+75	.49'
598+00	8.83'	602+00	.38'
+25	7.98'	+25	.22'
+50	7.17'	+50	.11'
+75	6.40'	+75	.03'
599+00	5.68'	603+00	.00'
599+25	5.12'	603+05.50	

Curve DATA	Ramp X-X			Ramp C			Ramp D			
	C-1	C-2	C-3	C-11	C-12	C-14	C-15	C-16	C-17	C-18
Δc	3°00'11"	7°30'50"	3°15'22"	3°49'39"	33°00'00"	2°30'00"	30°26'16"	126°01'55"	4°11'58"	5°05'04"
Dc	2°18'35"	19°21'21"	3°27'34"	11°13'41"	12°00'00"	1°00'00"	38°11'55"	29°00'38"	3°49'00"	0°54'07"
Rc	2180.56'	296.00'	1656.26'	510.31'	477.46'	5729.58'	1500'	197.50'	7501.15'	6352.98'
Tc		213.14'		145.50'	141.43'	125.02'	40.82'	509.13'		282.07'
Lc	130.0'	369.45'	110.02'	283.47'	275.00'	250.00'	79.71'		110.03'	191.90'
From Sta	3+21.52	4+54.53	8+23.99	4+48.03	8+32.29	16+54.57	4+28.26	Missing, Ramp D	9+97.16	597+39.14
To Sta	4+54.53	8+23.99	9+34.01	7+19.33	11+07.29	576+92.25	5+17.25	9+97.16	11+07.18	603+05.50

Ramp X-X

Sta.	Pvm't Width	Sta.	Pvm't Width	Sta.	Pvm't Width
5+62.72	18.00'	8+23.99	15.00'	8+17.88	15.00'
+75	17.62'	+50	14.13'	+25	14.92'
6+00	16.35'	+75	13.05'	+50	14.61'
+25	15.53'	9+00	12.35'	+75	14.37'
+50	15.09'	+25	12.02'	9+00	14.25'
6+68.44	15.00'	9+34.01	12.00'	9+29.87	14.25'

Ramp D

Sta.	Pvm't Width	Sta.	Pvm't Width
5+62.72	18.50'	9+97.16	15.50'
+75	17.70'	10+00	15.50'
6+00	16.09'	+25	14.25'
+25	15.68'	+50	13.09'
+50	15.51'	+75	12.34'
6+54.51	15.00'	11+00	12.02'
		11+07.18	12.00'

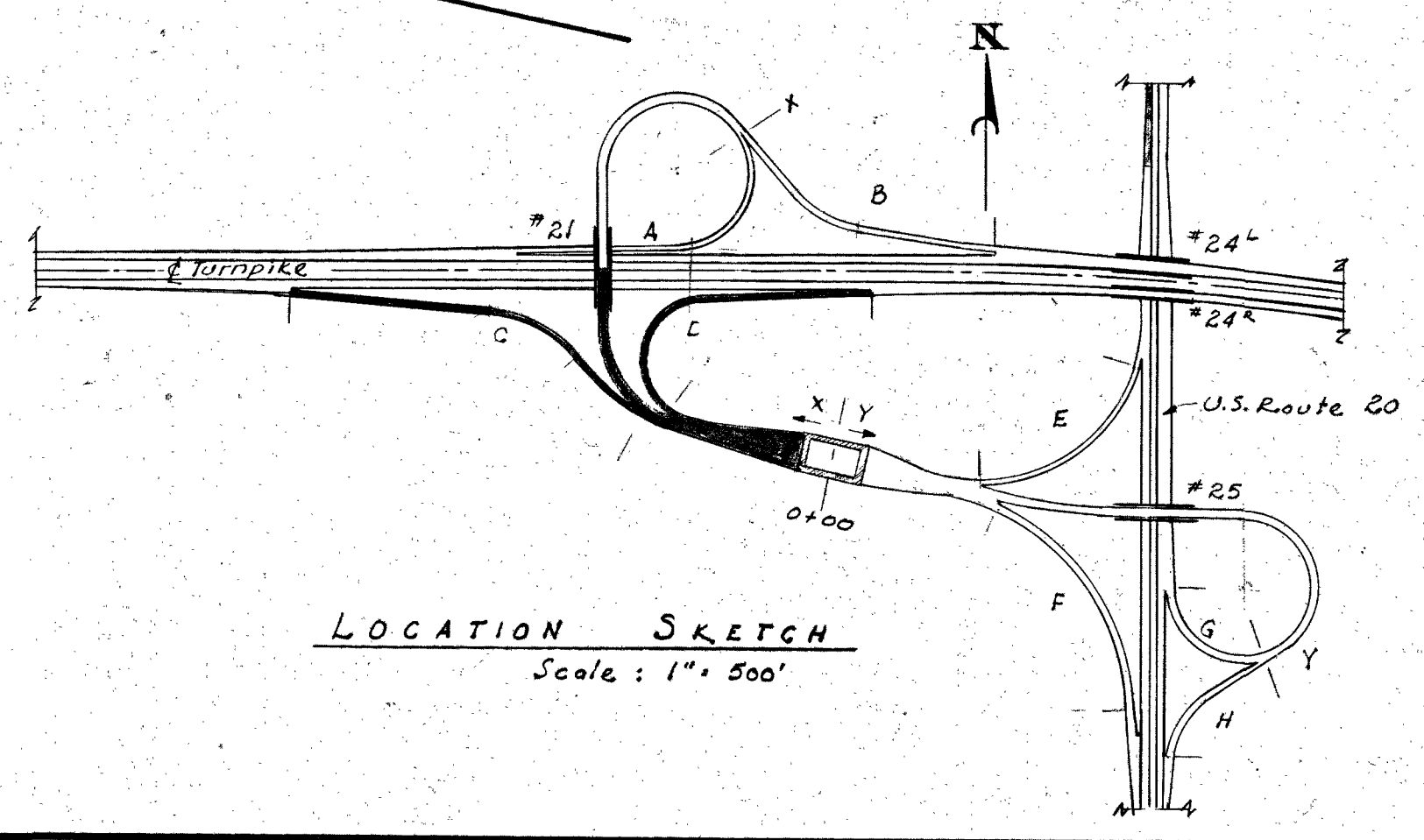
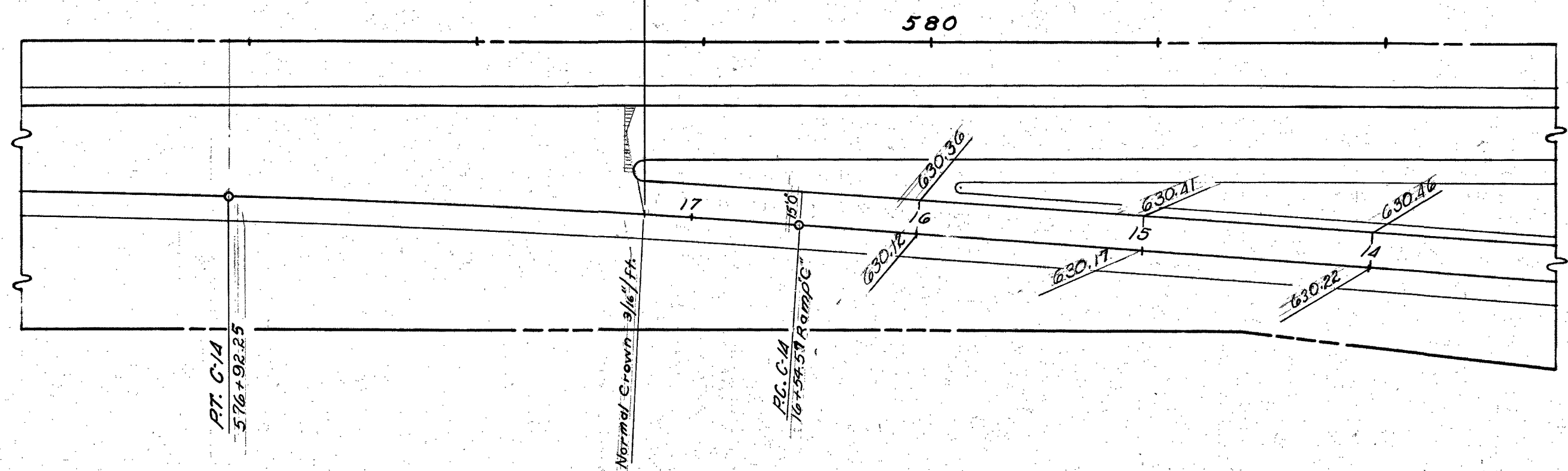
Ramp X-X

Curve DATA	C-3a
Δc	4°59'21"
Dc	4°30'45"
Rc	1,269.73'
Tc	
Lc	110.57'
L.C.	110.53'
From Sta.	8+17+88
To Sta.	9+29.87

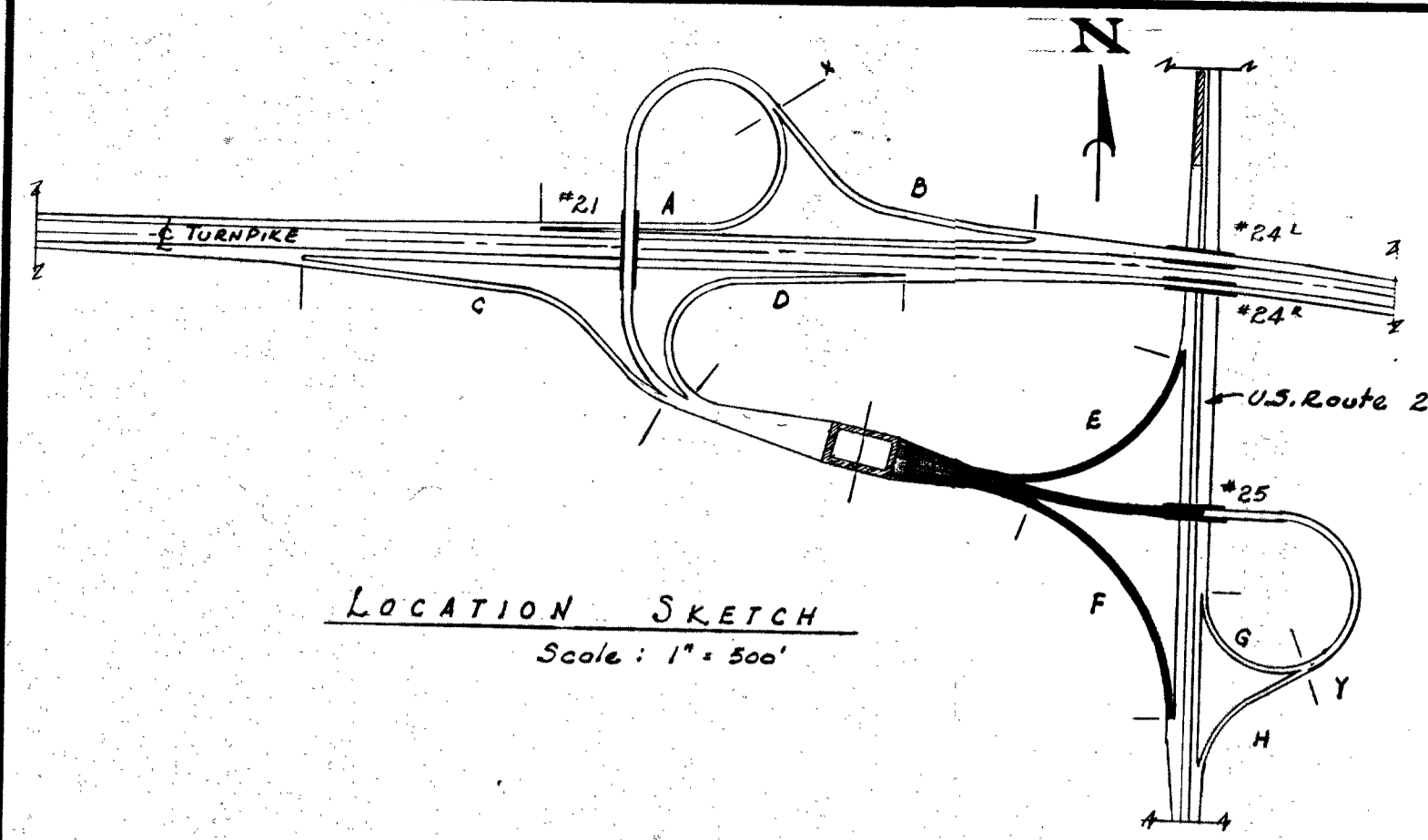
Ramp C

SPIRAL DATA	5+13
Δs	12°00'00"
Xc	139.12
Yc	139.2
Lc	200.00
ST	66.25
LT	133.64
From Sta	11+07.29
To Sta	13+07.29

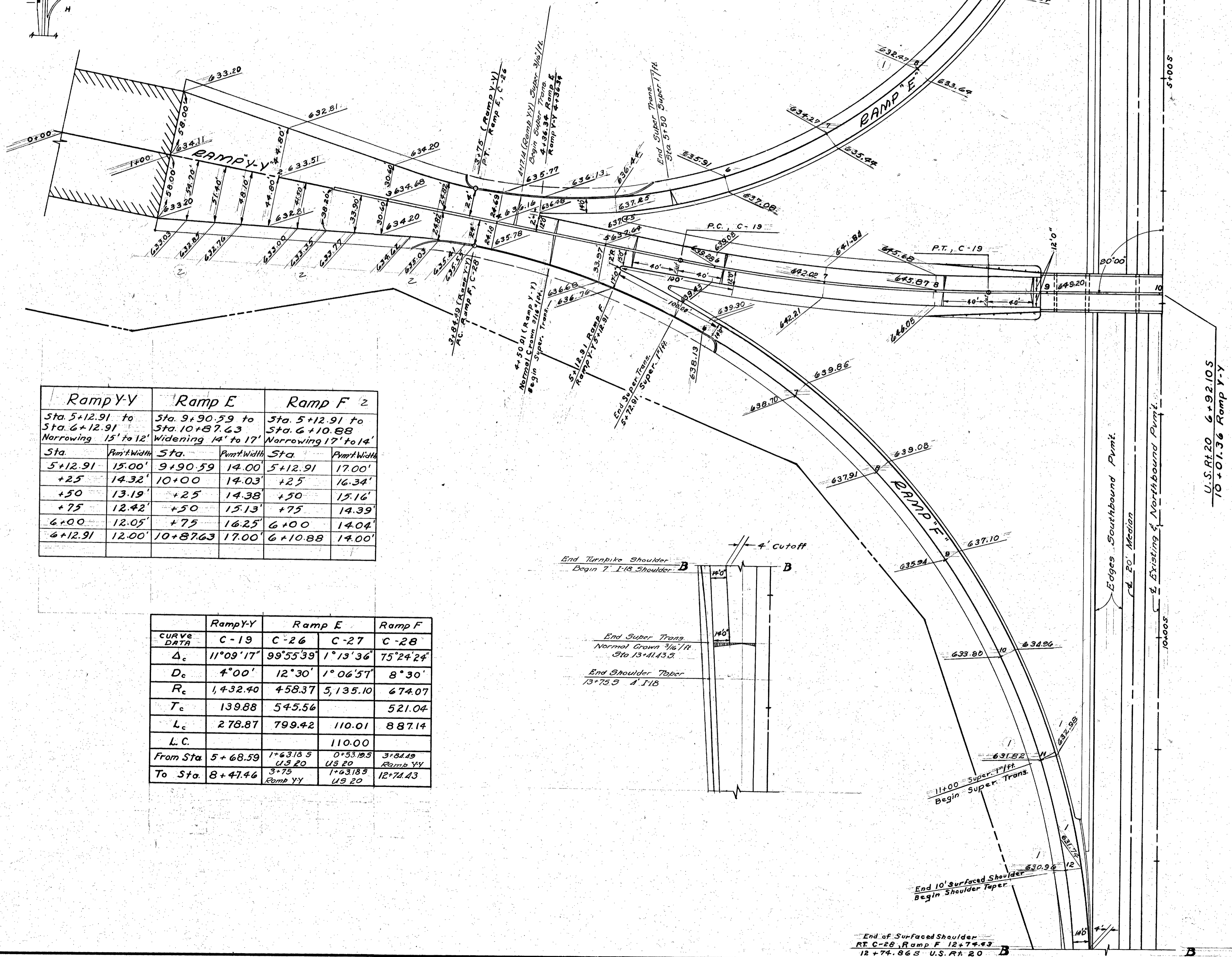
Note:
 For additional details of Ramp Connections See Sht. Nos. 24 & 25.



3	AS-BUILT PLANS	5-9-86
2	Added Widening Tables, Grades; Revised Grade R.L.S. 9-7-89	
1	Revised Grades & Stationing	R.L.S. 8-15-84
No.	Revision	By Date
OHIO TURNPIKE COMMISSION OHIO TURNPIKE PROJECT NO. 1		
INTERCHANGE - CURVES and SUPERELEVATION DETAILS RAMP "X-X", RAMP "C", and RAMP "D"		
ALDEN E. STILSON & ASSOCIATES, LIMITED CONTRACTING ENGINEER DESIGN SECTION D-17		
DESIGNED: R.L.S.	CHECKED: [Signature]	DATE: 7-1-89
DRAWN: R.L.S.	IN CHARGE: S.R.E.	SCALE: 1"=50'
CONTRACT NO. C-47		SHEET 21 OF 131

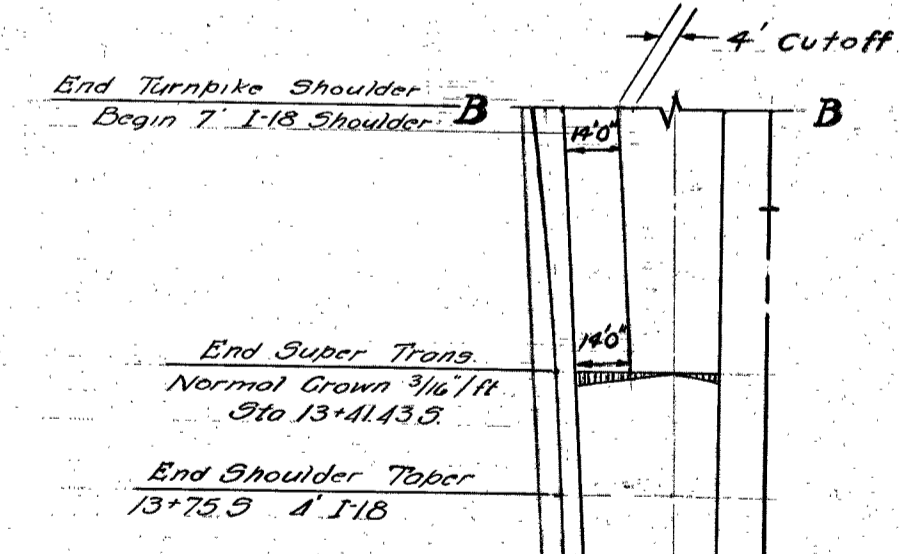
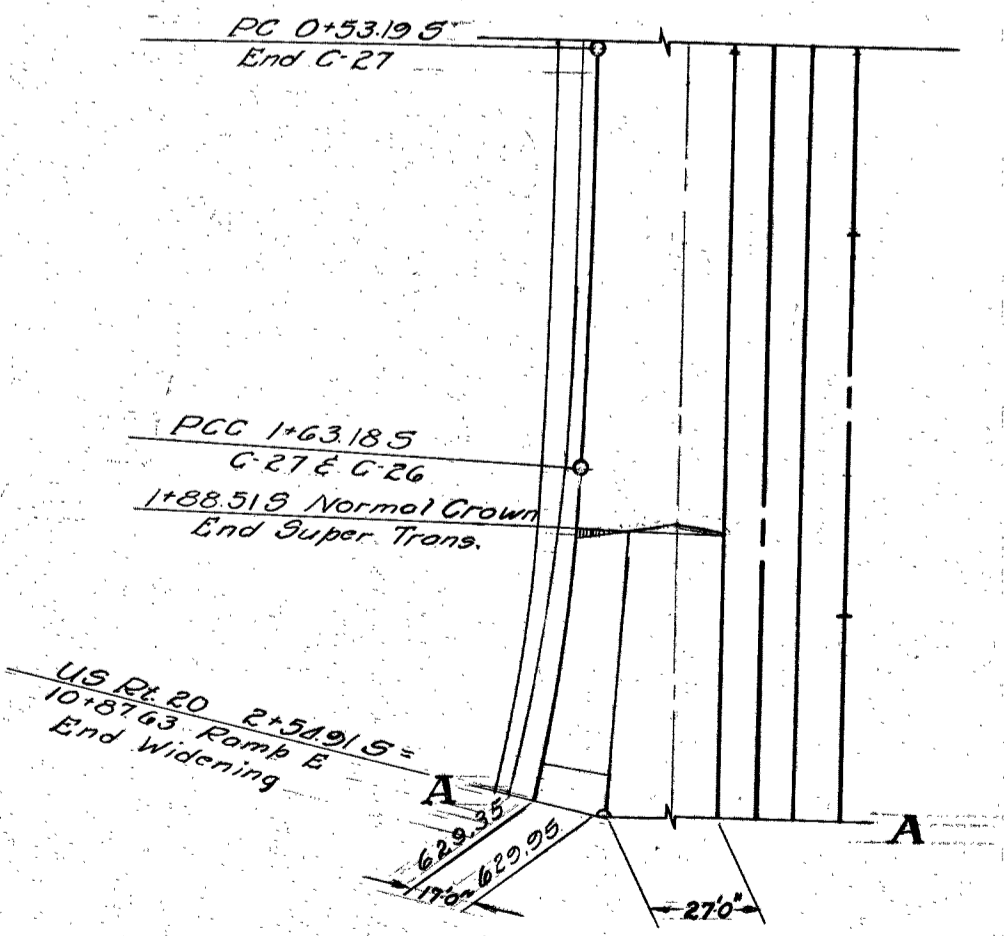


Note: 2
Ramp Y-Y is Symmetrical
about $\frac{1}{2}$ from 1+00 to 3+75



Ramp Y-Y		Ramp E		Ramp F 2	
Sta. 5+12.91 to 6+12.91		Sta. 9+90.59 to 10+87.63		Sta. 5+12.91 to 6+10.88	
Narrowing 15' to 12'		Widening 14' to 17'		Narrowing 17' to 14'	
Sta.	Pkmt. Width	Sta.	Pkmt. Width	Sta.	Pkmt. Width
5+12.91	15.00'	9+90.59	14.00'	5+12.91	17.00'
+25	14.32'	10+00	14.03'	+25	16.34'
+50	13.19'	+25	14.38'	+50	15.16'
+75	12.42'	+50	15.13'	+75	14.39'
6+00	12.05'	+75	16.25'	6+00	14.04'
6+12.91	12.00'	10+87.63	17.00'	6+10.88	14.00'

	Ramp Y-Y	Ramp E	Ramp F
CURVE DATA	C-19	C-26	C-28
Δ_c	11°09'17"	99°55'39"	1°13'36"
D_c	4°00'	12°30'	1°06'57"
R_c	1,432.40	458.37	5,135.10
T_c	139.88	545.56	521.04
L_c	278.87	799.42	110.01
L.C.			110.00
From Sta.	5+68.59	1+63.185	0+53.185
To Sta.	8+47.46	4+20	12+74.43
	3+75 Ramp Y-Y	US 20	Ramp Y-Y



NOTE:
For special details of construction
joints see Sheets No. 2A & No. 26

3	AS-BUILT PLANS	5-9-96
2	Added Widening Tables, Grade Elev. 60' from R.L.S.	9-8-94
1	Revised Grades & Stationing	R.L.S. 8-13-94
No.	Revision	By Date

OHIO TURNPIKE COMMISSION
OHIO TURNPIKE PROJECT NO. 1
INTERCHANGE - CURVE AND SUPERELEVATION DETAILS
RAMP "Y-Y" RAMP E & RAMP F
ALDEN E. STILSON & ASSOCIATES, LIMITED
CONTRACTING ENGINEER
DESIGN SECTION D-17

DESIGNED: R.A.S. CHECKED: R.A.S. DATE: 7-1-93
DRAWN: R.L.S. IN CHARGE: S.R.R. SCALE: 1" = 48'

CONTRACT NO. C-47 SHEET 22 OF 31

End of Surfaced Shoulder
RT C-28 Ramp F 12+74.43
12+74.865 U.S. Rt. 20

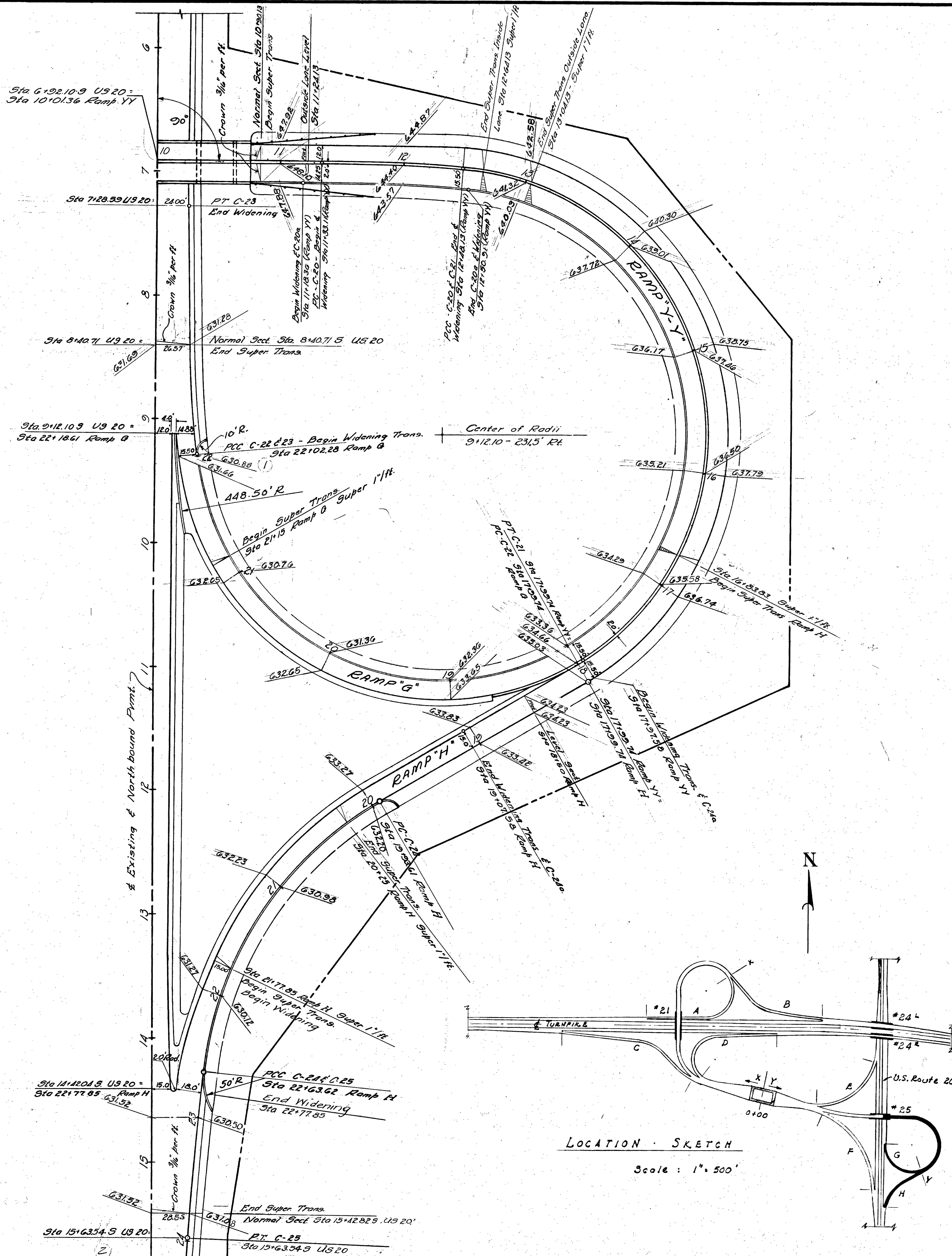
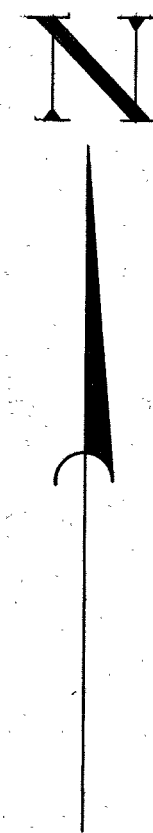
CURVE DATA	Ramp Y-Y			Ramp G			Ramp H		
	C-20a	C-20	C-21	C-22	C-23	C-24a	C-24	C-25	
Δ_c	4°15'04"	4°01'03"	145°58'52"	115°19'10"	1°40'50"	0°31'51"	51°00'08"	2°50'49"	
D_c	3°37'15"	3°29'38"	26°27'52"	28°38'58"	2°20'23"	0°28'56"	20°00'00"	2°06'31"	
R_c	1582.40	1639.66	216.50	200.00	2118.88	11878.44	286.48	2717.26	
T_c			707.72	315.29			145.97		
L_c	131.22	115.02	551.61	402.54	200.06	110.04	270.01	135.02	
LC		115.00			200.00	110.00		135.00	
From Sta.	11+18.36	11+33.11	12+18.13	17+99.74	22+02.28	17+91.58	19+93.61	22+63.62	
To Sta.	12+50.91	12+18.13	17+99.74	22+02.28	7+28.595 US 20	19+07.58	22+63.62	15+43.535 US 20	

Notes:

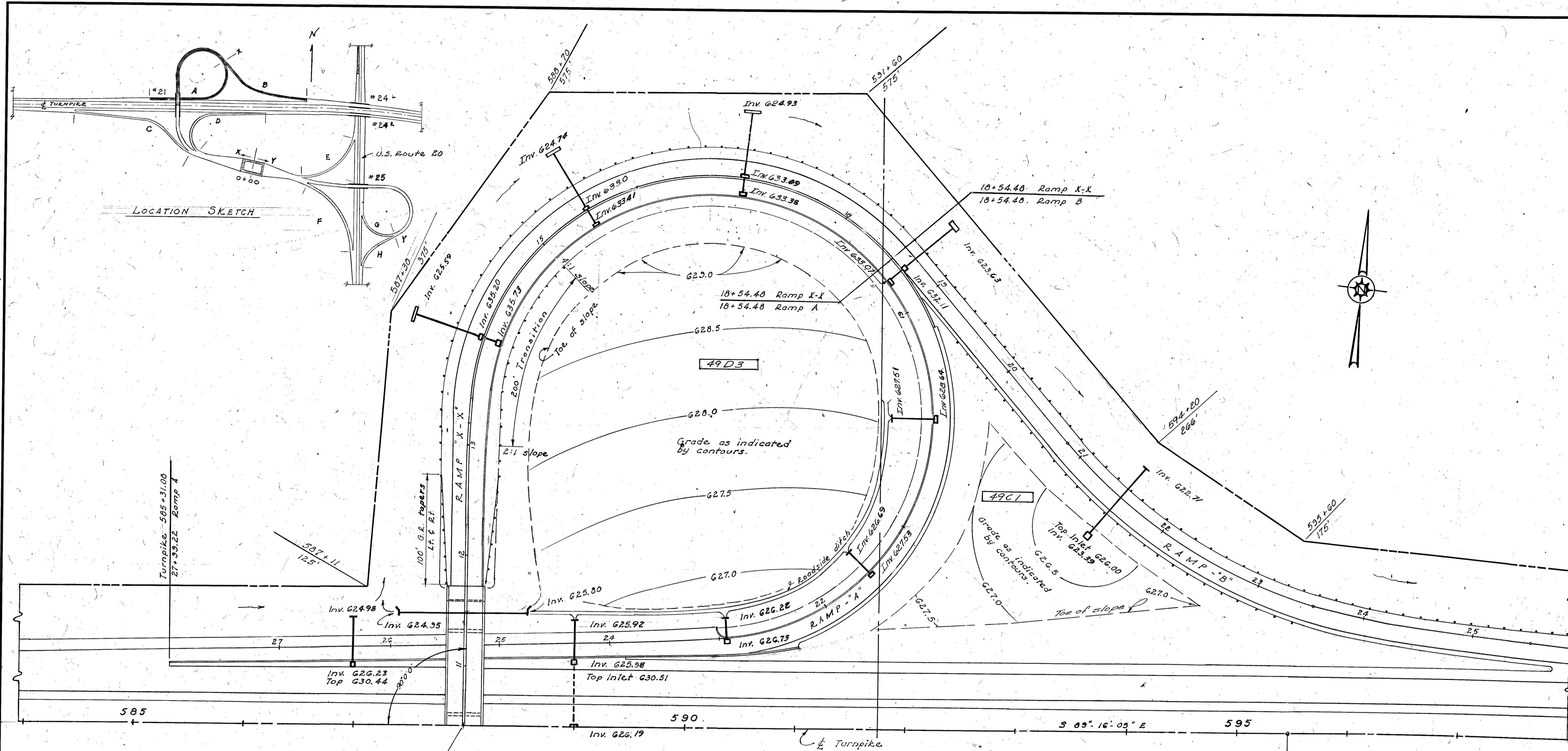
For additional details at Ramp Connections
See Sht. Nos. 24 & 26

Ramp Y-Y				Ramp H			
Sta. 11+33.11 to Sta. 12+48.13		Sta. 11+18.36 to Sta. 12+50.91		Sta. 17+99.74 to Sta. 19+07.58		Sta. 21+77.85 to Sta. 22+77.85	
Widening 12' to 15' 6"		Widening 14' 3" to 15' 6"		Narrowing 15' 6" to 15'		Widening 15' to 18'	
Sta.	Pvmt. Width	Sta.	Pvmt. Width	Sta.	Pvmt. Width	Sta.	Pvmt. Width
11+33.11	12.00'	11+18.36	14.25'	17+99.74	15.50'	21+77.85	15.00'
+50	12.09	+25	14.25'	+99.73	15.49'	22+00	15.10'
+75	12.54	+50	14.58'	18+00	15.49'	+25	15.59'
12+00	13.36	+75	14.72'	+25	15.29'	+50	16.51'
+25	14.57	12+00	14.98'	+50	15.14'	+75	17.84'
12+48.13	15.50'	+25	15.24'	+75	15.01'	22+77.85	18.00'
		12+50.91	15.50'	19+00	15.00'		
				19+07.58	15.00'		

U.S. 20 (North bound) Offsets					
Sta. 7+28.595 to Sta. 9+12.105		Sta. 14+50.5 to Sta. 18+42.045		Offsets from & Pvmt.	
Sta.	Offsets	Sta.	Offsets	Sta.	Offsets
7+28.595	24.00'	14+50.5	35.98'	16+50	22.57'
+50	24.13'	+75	33.67'	+75	21.20'
+75	24.44'	15+00.5	31.59'	17+00.5	19.82'
8+00.5	25.04'	+25	29.74'	+25	18.44'
+25	25.90'	+50	28.12'	+50	17.07'
+50	27.01'	+63.54 (H)	27.34'	+75	15.69'
+75	28.43'	+75	26.70'	18+00.5	14.31'
9+00	30.01'	16+00.5	25.33'	+25	12.94'
9+12.10.5	30.88'	16+25	23.95'	18+42.045	12.00'



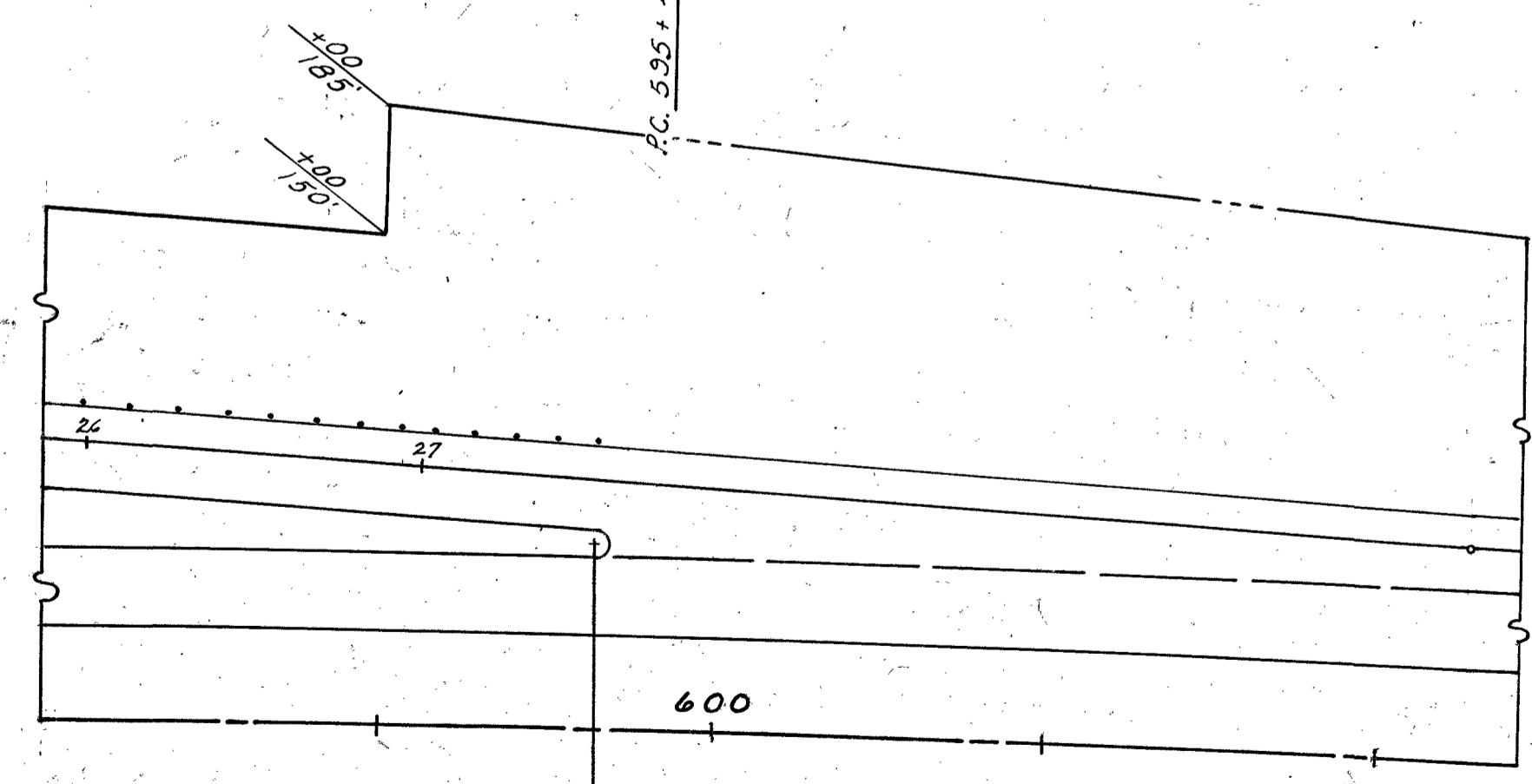
3	AS-BUILT PLANS	5-9-56	
2	Added Widening & Offset Tables; Revised Sta. R.L.S. 9-8-54		
1	Revised Grades	R.L.S. 8-13-54	
No.	Revision	By	Date
OHIO TURNPIKE COMMISSION OHIO TURNPIKE PROJECT NO. 1			
INTERCHANGE - CURVE AND SUPERELEVATION DETAILS RAMP "Y-Y", RAMP "G" & RAMP "H"			
ALDEN E. STILSON & ASSOCIATES, LIMITED CONTRACTING ENGINEER DESIGN SECTION D-17			
DESIGNED: R.L.S.	CHECKED: R.L.S.	DATE: 7-1-57	
DRAWN: R.L.S.	IN CHARGE: S.R.R.	SCALE: 1" = 50'	
CONTRACT NO. C-47		SHEET 23 OF 31	



QUANTITIES					
No.	Item	Location & Remarks	Unit	Estimated Quantity	Final Quantity
E-1	Roadway Excavation		C.Y.	386.1	558.3
E-11	Water		Mgal.	227	32
E-15	Guard Rail Type C-1		L.F.	2375	2375
E-23	R/W Fence Type E		L.F.	1775	1766.2
L-3	Placing Stockpiled Topsoil		S.Y.	3775	Carried on T.P.
L-3	Seeding and Protecting Type A		S.Y.	3775	Sht. #5
L-3	Commercial Fertilizer 10-6-4		Ton	0.34	Sht. #5
L-10	Special Seeding		S.Y.	26,122	C-97

E-2	Excavation for Structure		C.Y.	42	54.22
E-2	15" CMP M-6.4(d) 16ga		L.F.	34	31.5
E-2	15" R.C.P. M-6.6 (b)		L.F.	426	430.5
E-2	24" R.C.P. M-6.6 (b)		L.F.	116	116
E-5	Pipe Specialty 15" x 30" CMP M-6.4(d) Bends		Ea.	8	8
E-8	Inlets, Type A-1		Ea.	1	1
E-8	Inlets, Type B		Ea.	13	13
E-14	4" Plain Concrete Paved Ditches		S.Y.	33	53.2
S-1	Concrete for Structures Class "C"		C.Y.	9	147
S-4	Reinforcing Steel		Lb.	514	490
					638

I-12	Concrete Curb, Type I		L.F.	746	722
I-12	Concrete Curb, Type II		L.F.	570	566
I-12	Combination Curb & Gutter, Type III		L.F.	1035	1105
E-22	Selected Sub-base		C.Y.	2538	2856.78
F-33	3" Bituminous Macadam Surface Course		S.Y.	2510	2528
F-71	Reinforced Portland Cement Concrete Pmt. 10" Thick		S.Y.	4313	5031



- 14+00 Ramp X-X
 - 2 Type B Inlets
 - 20'-15" CMP M-6.4(d) 16ga
 - 49'-15" R.C.P. M-6.6 (b)
 - 2-15" x 30" Bends
 - 1- Type A Hdwl.
 - 10' Special Paved Ditch-See Sht. #43
- 15+50 Ramp X-X
 - 2 Type B Inlets
 - 23'-15" CMP M-6.4(d) 16ga
 - 49'-15" R.C.P. M-6.6 (b)
 - 2-15" x 30" Bends
 - 1- Type A Hdwl.
 - 10' Special Paved Ditch-See Sht. #43
- 17+00 Ramp X-X
 - 2 Type B Inlets
 - 20'-15" CMP M-6.4(d) 16ga
 - 49'-15" R.C.P. M-6.6 (b)
 - 2-15" x 30" Bends
 - 1- Type A Hdwl.
 - 10' Special Paved Ditch-See Sht. #43
- 18+70 Ramp B
 - 2 Type B Inlet
 - 17'-15" CMP M-6.4(d) 16ga
 - 49'-15" R.C.P. M-6.6 (b)
 - 2-15" x 30" Bends
 - 1- Type A Hdwl.
 - 10' Special Paved Ditch-See Sht. #43
- 20+00 Ramp A
 - 1- Type B Inlet
 - 30'-15" R.C.P. M-6.6 (b)
 - 1- Type A Hdwl.

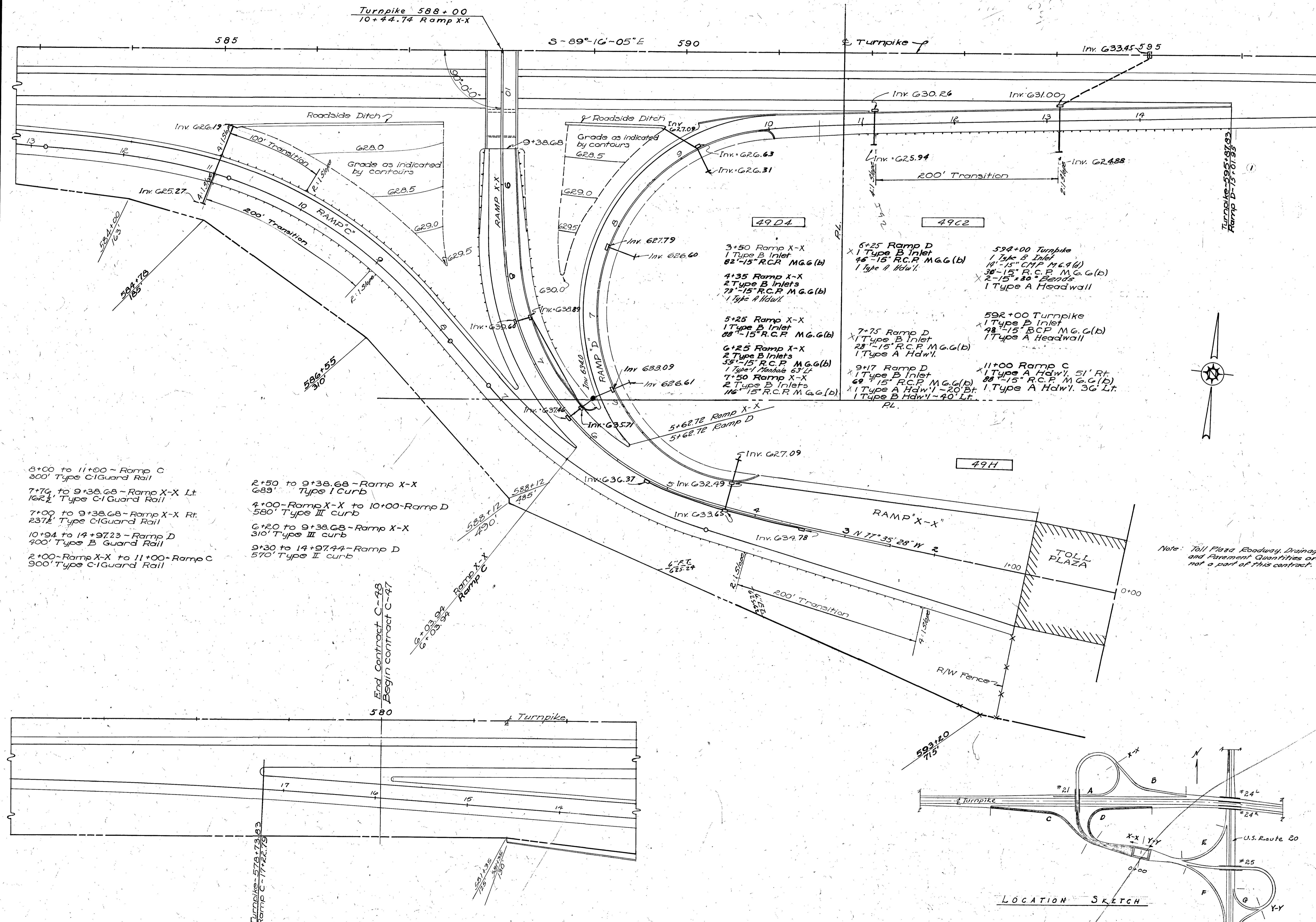
- 22+92 Ramp A
 - 1- Type B Inlet
 - 22'-15" R.C.P. M-6.6 (b)
 - 1- Type A Hdwl.
- 21+50 Ramp B
 - 1- Type A-1 Inlet - 45' Rt.
 - 00'-15" R.C.P. M-6.6 (b)
 - 1- Type A Hdwl.
- 587+00 Turnpike
 - 1- Type B Inlet
 - 395'-15" R.C.P. M-6.6 (b)
 - 1- Type A Hdwl.
- 589+00 Turnpike
 - 1- Type B Inlet
 - 33'-15" R.C.P. M-6.6 (b)
 - 1- Type A Hdwl.
- 11+50 Ramp X-X
 - 1- Type B Hdwl. (45° skew) 53' Lt.
 - 116'-24" R.C.P. M-6.6 (b)
 - 1- Type B Hdwl. (45° skew) 57' Rt.
- 21+50 Ramp A
 - 26'-15" R.C.P. M-6.6 (b)
 - 1- Type A Hdwl.

- 22+35 Ramp A to 28+00 Ramp A
 - 570'- Type II Curb
- 11+73.18 Ramp X-X to 13+22 Ramp A
 - 746'- Type I Curb
- 11+73.68 Ramp X-X to 23+02 Ramp A
 - 1095'- Type III Curb

- 11+72 to 15+00 Ramp X-X (Lt.)
 - 312.5' Type "C-1" Guard Rail.
- 11+72 Ramp X-X to 27+44.98 Ramp B (Lt.)
 - 1637.5' Type "C-1" Guard Rail.
- 13+50 to 23+50 Ramp B (Rt.)
 - 425' Type "C-1" Guard Rail.

Alignment Book 47-1
 Topography Book 47-3
 Profile Book 47-2

21 AS-BUILT PLANS		59-X
Revised Stationing, Ramp B		R.L.S. 8-16-74
No.	Revision	By Date
OHIO TURNPIKE COMMISSION		
OHIO TURNPIKE PROJECT NO. 1		
Roadway, Drainage & Pavement		
Ramp X-X, Ramp A & Ramp B		
ALDEN E. STILSON & ASSOCIATES, LIMITED		
CONTRACTING ENGINEER		
DESIGN SECTION D-17		
DESIGNED: PRC	CHECKED: R.M.	DATE: 6-26-73
DRAWN: J.T.S.	IN CHARGE: J.P.P.	SCALE: 1" = 30'
CONTRACT NO. C-47		SHEET 27 OF 131



6+00 to 11+00 - Ramp C
300' Type C-I Guard Rail

7+74 to 9+38.68 - Ramp X-X Lt.
162½' Type C-I Guard Rail

7+00 to 9+38.68 - Ramp X-X Rt.
237½' Type C-I Guard Rail

10+94 to 14+97.23 - Ramp D
400' Type B Guard Rail

2+00 - Ramp X-X to 11+00 - Ramp C
900' Type C-I Guard Rail

2+50 to 9+38.68 - Ramp X-X
689' Type I Curb

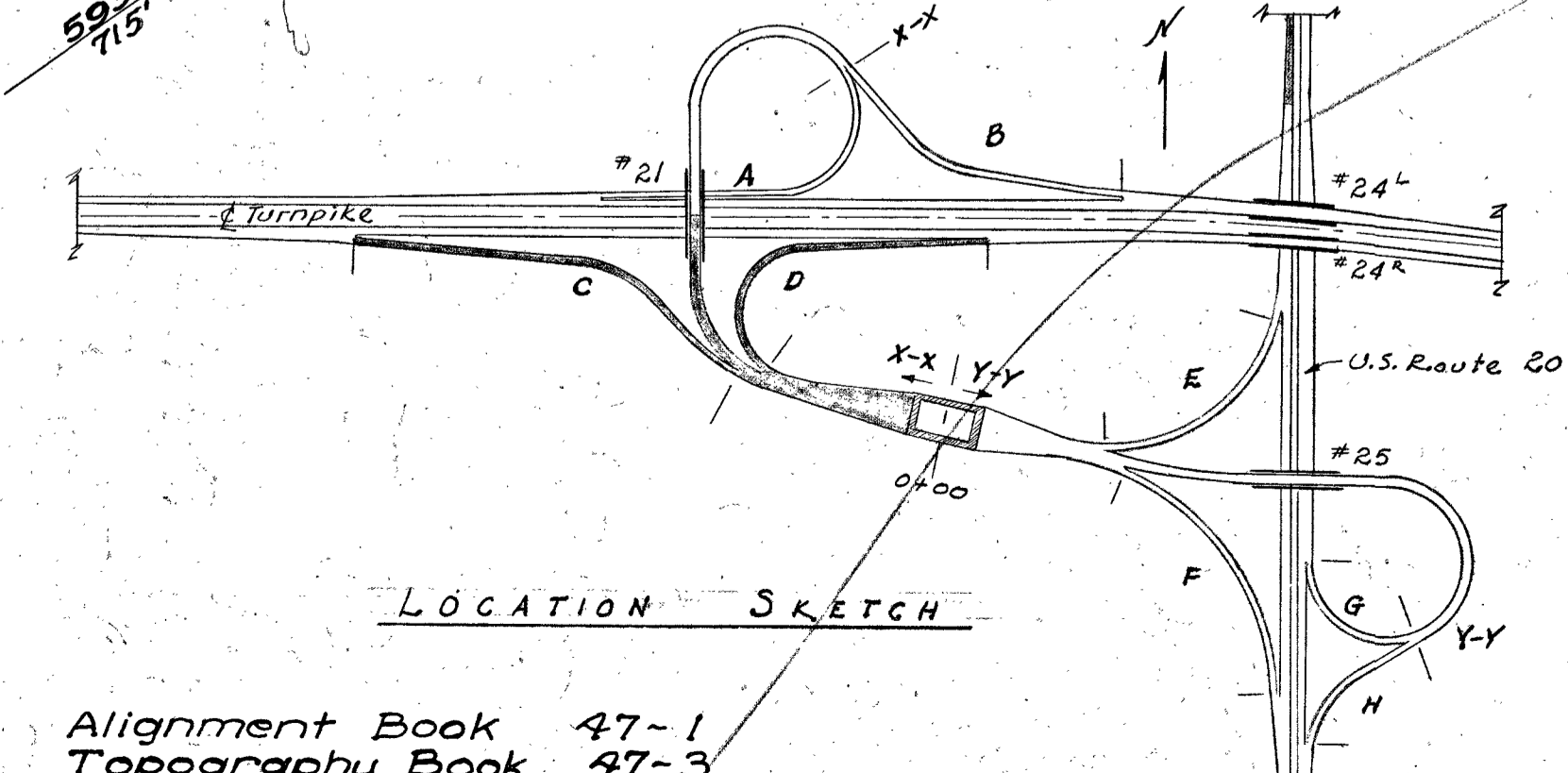
4+00 - Ramp X-X to 10+00 - Ramp D
580' Type III curb

6+20 to 9+38.68 - Ramp X-X
310' Type III curb

9+30 to 14+97.44 - Ramp D
570' Type II curb

End Contract C-47
Begin Contract C-47

Note: Toll Plaza Roadway, Drainage and Pavement Quantities are not a part of this contract.



Alignment Book 47-1
Topography Book 47-3
Profile Book 47-2

QUANTITIES					
No.	Item	Location & Remarks	Unit	Estimated Quantity	Final Quantity
E-1	Roadway Excavation		C.Y.	2409	6852
E-11	Water		M. Gal.	270	52
F-15	Guard Rail	Type C-I	L.F.	1600	1600
F-15	Guard Rail	Type B	L.F.	400	400
F-15	R/W Fence	Type II	L.F.	1600	1600
L-3	Placing & Stockpiling Topsoil		S.Y.	3077	Carried On T.P.
L-9	Seeding & Protecting	Type A	S.Y.	3077	5ht #5
L-9	Commercial Fertilizer	10-G-4	Tons	0.28	C-47
L-19	Special Seeding		S.Y.	13230	
E-2	Excavation for Structures		C.Y.	40	4169
F-2	15" R.C.P.	M.G.G.(b)	L.F.	745	723
F-5	Pipe Special	15" 30' Bend CMP 116441	Ea.	2	2
F-8	Manhole	Type I	Ea.	1	1
F-8	Inlets	Type B	Ea.	13	13
F-14	4" Plain Concrete Paved Ditches		S.Y.	26	0
S-1	Concrete for Structures	Class "C"	C.Y.	8.8	7.84
S-4	Reinforcing Steel		Lb.	503	467
I-12	Concrete Curb	Type I	L.F.	689	691
I-12	Concrete Curb	Type II	L.F.	570	577
I-12	Combination Curb & Gutter	Type III	L.F.	890	925
I-22	Selected Sub-base		C.Y.	2941	3284.94
F-33	3" Bituminous Macadam Surface Course		S.Y.	3301	4137
F-71	10" Reinforced Portland Cement Concrete Pavement		S.Y.	8505	8294
I-2	15" CMP	M.G.G.(b)	L.F.		14

2	AS-BUILT PLANS	5-9-36
1	Revised Stationing, Ramp D	R.L.S. 8-16-59

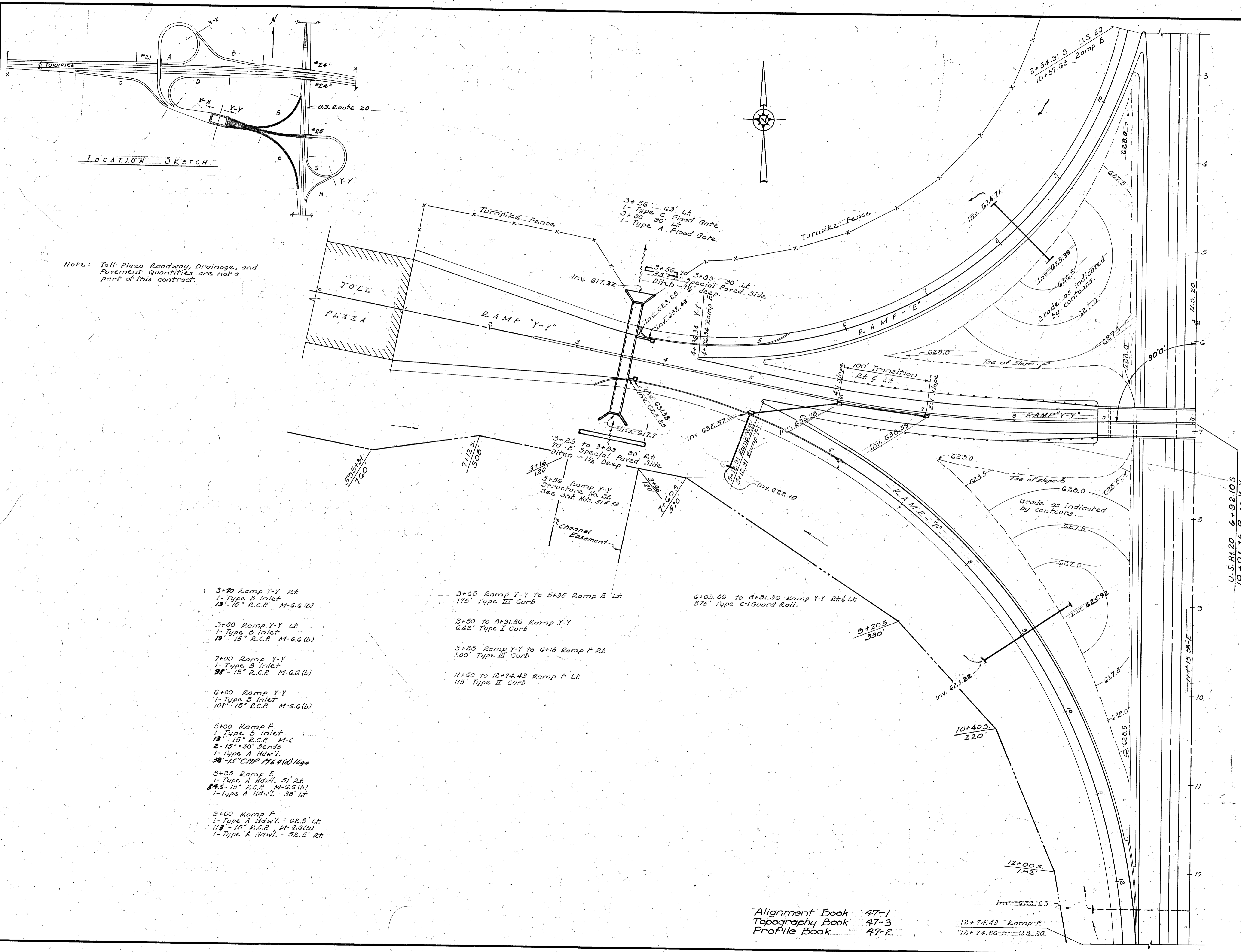
OHIO TURNPIKE COMMISSION
OHIO TURNPIKE PROJECT NO. 1

Roadway, Drainage & Pavement Ramp X-X, Ramp C & Ramp D

ALDEN E. STILSON & ASSOCIATES, LIMITED
CONTRACTING ENGINEER
DESIGN SECTION D-17

DESIGNED: P.D.C. CHECKED: R.D.M. DATE: 6-22-53
DRAWN: D.W.L. IN CHARGE: S.S.E. SCALE: 1" = 50'

CONTRACT NO. C-47 SHEET 28 OF 131



LOCATION SKETCH

Note: Toll Plaza Roadway, Drainage, and Pavement Quantities are not a part of this contract.

- 3+20 Ramp Y-Y Rt
1- Type B Inlet
13'-15" R.C.P. M-G.G.(b)
- 3+80 Ramp Y-Y Lt
1- Type B Inlet
13'-15" R.C.P. M-G.G.(b)
- 7+00 Ramp Y-Y
1- Type B Inlet
13'-15" R.C.P. M-G.G.(b)
- G+00 Ramp Y-Y
1- Type B Inlet
10'-15" R.C.P. M-G.G.(b)
- 5+00 Ramp F
1- Type B Inlet
13'-15" R.C.P. M-G.G.
2- 13" x 30" Bends
1- Type A Hdwl.
38'-15" CMP 17.6 9(1) 16ga
- 8+25 Ramp E
1- Type A Hdwl. 51' Rt
13'-15" R.C.P. M-G.G.(b)
1- Type A Hdwl. - 38' Lt
- 9+00 Ramp F
1- Type A Hdwl. - 62.5' Lt
13'-15" R.C.P. M-G.G.(b)
1- Type A Hdwl. - 52.5' Rt

- 3+05 Ramp Y-Y to 5+35 Ramp E Lt
175' Type III Curb
- 2+50 to 8+31.86 Ramp Y-Y
642' Type I Curb
- 3+28 Ramp Y-Y to 6+18 Ramp F Rt
300' Type III Curb
- 11+60 to 12+74.43 Ramp F Lt
115' Type II Curb

6+03.06 to 8+31.36 Ramp Y-Y Rt & Lt
575' Type C-1 Guard Rail.

Alignment Book 47-1
Topography Book 47-3
Profile Book 47-2

QUANTITIES					
No.	Item	Location & Remarks	Unit	Estimated Quantity	Final Quantity
E-1	Roadway Excavation		C.Y.	8157	9330
E-11	Water		M.Gal.	223	52
E-15	Guard Rail Type C-1		L.F.	575	575
E-23	R/W Fence Type 2		L.F.	307	1081.9
L-3	Placing Stockpiled Topsoil		S.Y.	341C	Carried on T.
L-3	Seeding and Protecting Type A		S.Y.	341C	56.5
L-3	Commercial Fertilizer 10-6-4		Ton	0.31	C-47
L-10	Special Seeding		S.Y.	22,221	
E-2	Excavation for Structures		C.Y.	20	23.4
E-2	15" CMP 17-6.4(d)		L.F.	50	38
E-2	15" R.C.P. M-G.G.(b)		L.F.	487	481.6
E-3	Pipe Specials 15" R.C.P.		L.F.	2	2
E-3	Inlets Type B		Co.	5	5
E-14	4" Plain Concrete Paved Ditches		S.Y.	168	62.2
S-1	Concrete for Structures Class C		C.Y.	4.5	4.5
S-4	Reinforcing Steel		L.B.	255	255
I-12	Concrete Curb Type I		L.F.	642	643
I-12	Concrete Curb Type II		L.F.	115	116
I-12	Combination Curb and Gutter Type III		L.F.	475	475
I-22	Selected Sub-base		C.Y.	2680	2993.3
F-33	3" Bituminous Macadam Surface Course		S.Y.	3372	2880
F-71	10" Reinforced Portland Cement Concrete Pvdmt.		S.Y.	6359	6364

2	AS-BUILT PLANS	5-9-56
1	Revised Bearing U.S. 20 4	D.W. 3-1-54
No.	Revision	By Date

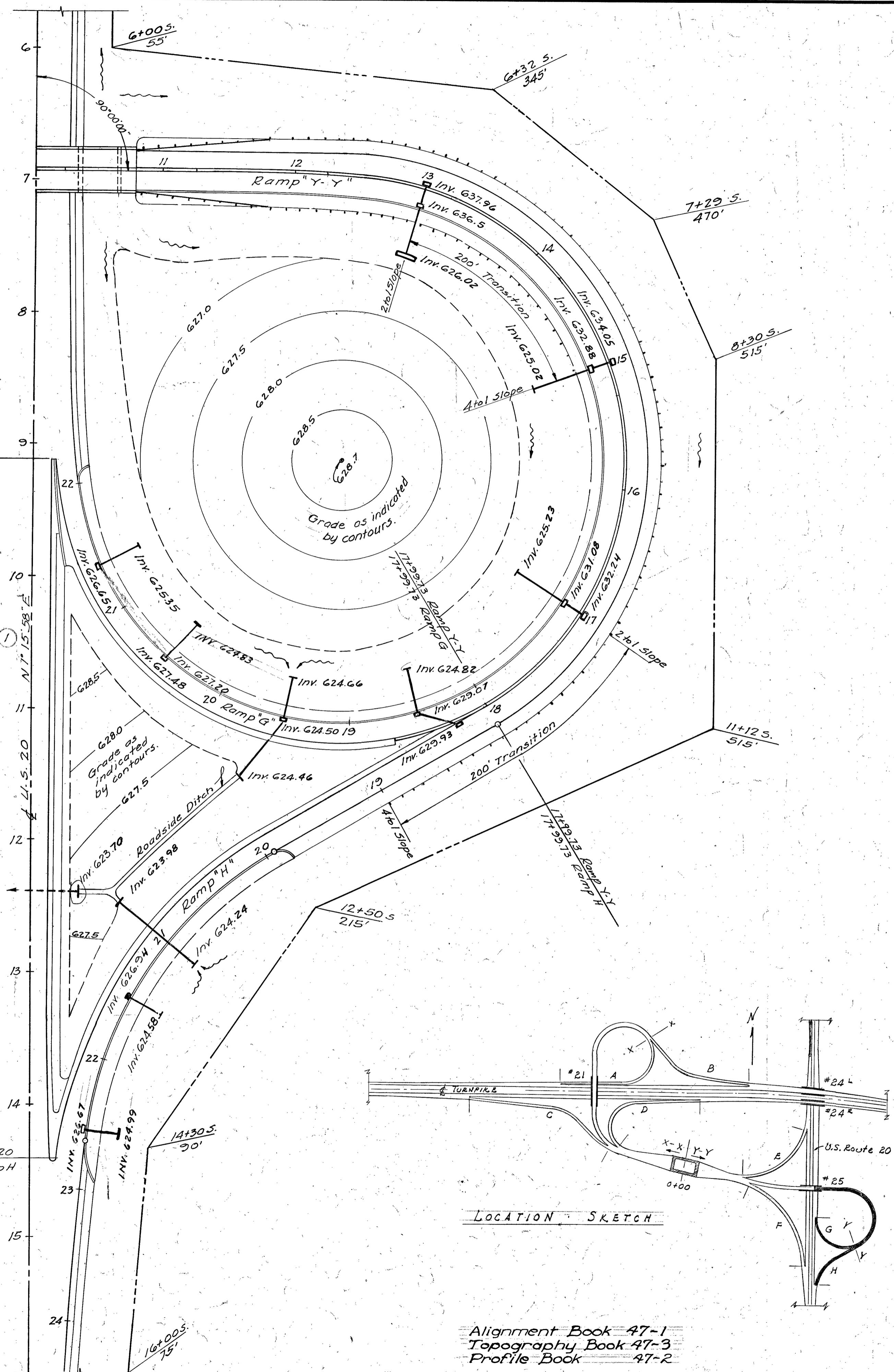
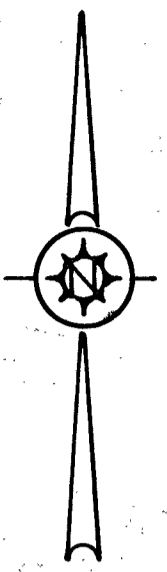
OHIO TURNPIKE COMMISSION
OHIO TURNPIKE PROJECT NO. 1

Roadway, Drainage & Pavement
Ramp Y-Y, Ramp E & Ramp F

ALDEN E. STILSON & ASSOCIATES, LIMITED
CONTRACTING ENGINEER
DESIGN SECTION D-17

DESIGNED: R.M. CHECKED: R.D.C. DATE: 6-28-53
DRAWN: S.T.B. IN CHARGE: S.P.E. SCALE: 1"=20'

CONTRACT No. C-47 SHEET 29 OF 31



- 13+00 Ramp Y-Y
2 Type B Inlets
28'-15" R.C.P. M.G.G. (b)
2 - 15" x 30" Bends
1 - Type A Headwall
10' Special Paved Ditch - See Sheet #43.
23'-15" CMP 17.6.4 (d) 16ga
- 15+00 Ramp Y-Y
2 Type B Inlets
27'-15" R.C.P. M.G.G. (b)
2 - 15" x 15" Bends
1 - Type A Headwall
32'-15" CMP 17.6.4 (d) 16ga
- 17+00 Ramp Y-Y
2 Type B Inlets
27'-15" R.C.P. M.G.G. (b)
2 - 15" x 15" Bends
1 - Type A Headwall
26'-15" CMP 17.6.4 (d) 16ga
- 18+25 Ramp Y-Y
1 Type B Inlet
33'-15" R.C.P. M.G.G. (b)
- 18+50 Ramp G
1 Type B Inlet
36'-15" R.C.P. M.G.G. (b)
1 Type A Headwall
- 19+50 Ramp G
1 Type A Headwall 30' Lt.
80'-30" R.C.P. M.G.G. (b) 30' Lt.-5' Lt.
1 Type B Inlet
1 Type A Headwall 52' Lt.
- 20+50 Ramp G
1 Type B Inlet
34'-15" R.C.P. M.G.G. (b)
1 Type A Headwall
- 21+33.5 Ramp G
1 Type B Inlet
33'-15" R.C.P. M.G.G. (b)
1 Type A Headwall
- 21+00 Ramp H
1 Type A Headwall 28' Lt.
3.32' 24" R.C.P. M.G.G. (b)
1 Type A Headwall 47' Lt.
- 21+50 Ramp H
1 Type B Inlet
27'-15" R.C.P. M.G.G. (b)
1 Type A Headwall
- 22+65 Ramp H
1 Type B Inlet
27'-15" R.C.P. M.G.G. (b)
1 Type A Headwall

- 10+75.86 Ramp Y-Y to 18+75 Ramp G
800' Type I Curb
- 10+75.86 Ramp Y-Y to 22+12 Ramp G Rt.
137' Type III Curb
- 21+45 to 22+18.61 Ramp G Lt.
8' Type II Curb
- 19+80 to 22+95 Ramp H Lt.
320' Type III Curb
- 10+76.36 Ramp Y-Y to 19+00 Ramp H Lt.
875' Type C-1 Guard Rail
- 10+76.36 to 15+00 Ramp Y-Y Rt.
387.5' Type C Guard Rail

QUANTITIES					
No.	Item	Location & Remarks	Unit	Estimated Quantity	Final Quantity
E-1	Roadway Excavation		C.Y.	4228	6080
E-11	Water		M.Gal.	219	52
I-15	Guard Rail	Type C-1 or C-2	L.F.	1262.5	1262.5
L-3	Placing Stockpiled Topsoil		S.Y.	4358	
L-9	Seeding & Protecting	Type A	S.Y.	4358	Carried on T.P.
L-9	Commercial Fertilizer	10-6-4	Tons	0.39	54.45
L-19	Special Seeding		S.Y.	22379	
E-2	Excavation for Structures		C.Y.	57	75.73
I-2	15" CMP	17.6.4 (d) 16ga	L.F.	81	81
I-2	15" R.C.P.	M.G.G. (b)	L.F.	379	269
I-2	24" R.C.P.	M.G.G. (b)	L.F.	75	76
I-2	30" R.C.P.	M.G.G. (b)	L.F.	81	80
I-5	Pipe Specials	15" x 30" Bend	Ca.	2	2
I-5	Pipe Specials	15" x 15" Tee	Ca.	4	4
I-8	Inlets	Type B	Ea.	13	13
I-14	4" Plain Concrete Paved Ditches		S.Y.	13	14.6
S-1	Concrete for Structures	Class "C"	C.Y.	14.3	16.92
S-4	Reinforcing Steel		Lbs.	741	832
I-12	Concrete Curb	Type I	L.F.	800	759
I-12	Concrete Curb	Type II	L.F.	81	83
I-12	Combination Curb & Gutter	Type III	L.F.	14.57	14.27
I-22	Selected Sub-base		C.Y.	2123	2370.91
I-33	3" Bituminous Macadam Surface Course		S.Y.	1326	1693
I-71	10" Reinforced Portland Cement Concrete Pavement		C.Y.	3580	3726

2 AS-BUILT PLANS 5-9-56

1 Revised Bearing U.S. 20 E D.W. 3-1-54

No. Revision By Date

OHIO TURNPIKE COMMISSION
OHIO TURNPIKE PROJECT NO. 1

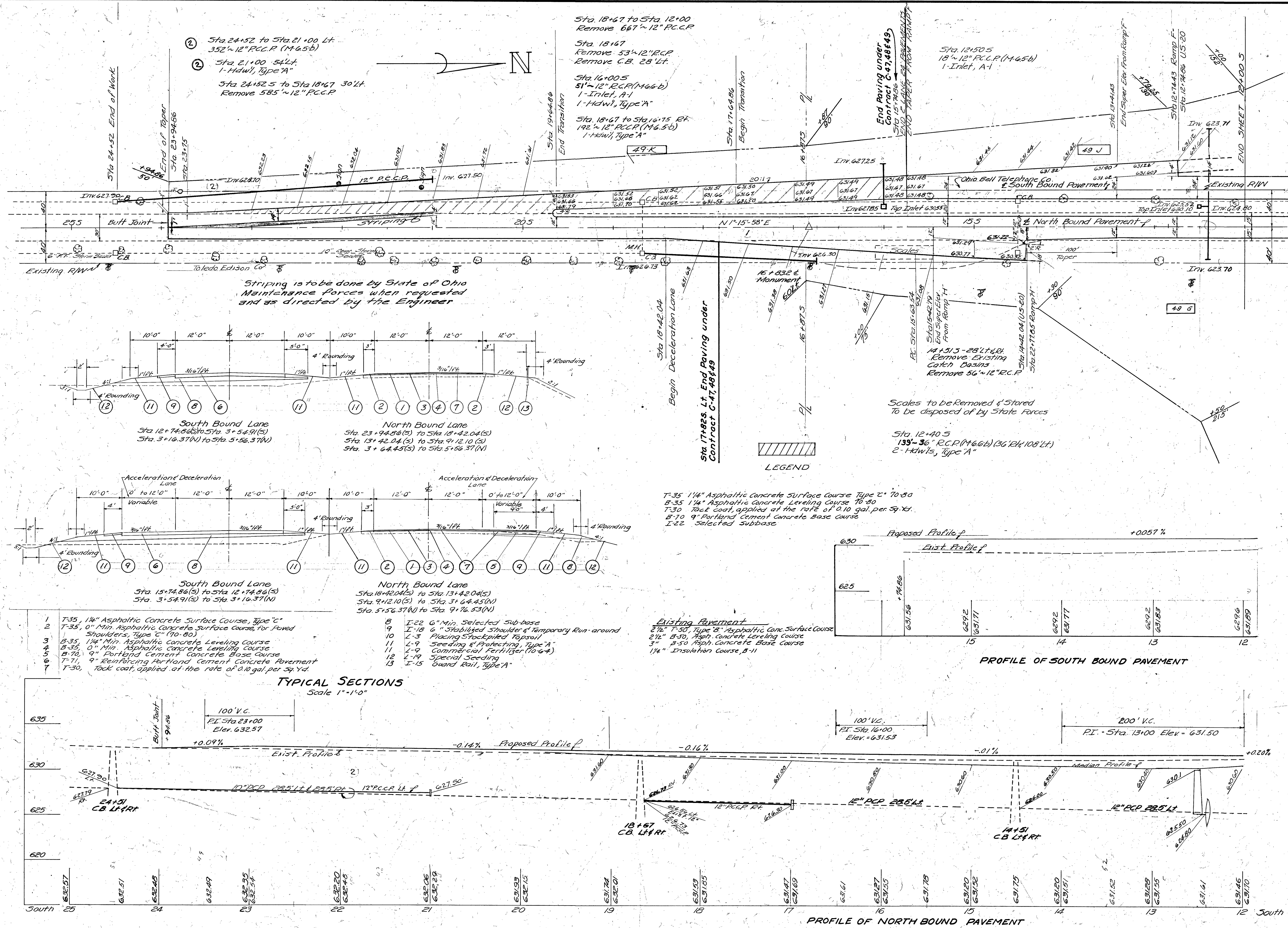
Roadway, Drainage and Pavement
Ramp Y-Y, Ramp G and Ramp H

ALDEN E. STILSON & ASSOCIATES, LIMITED
CONTRACTING ENGINEER
DESIGN SECTION D-17

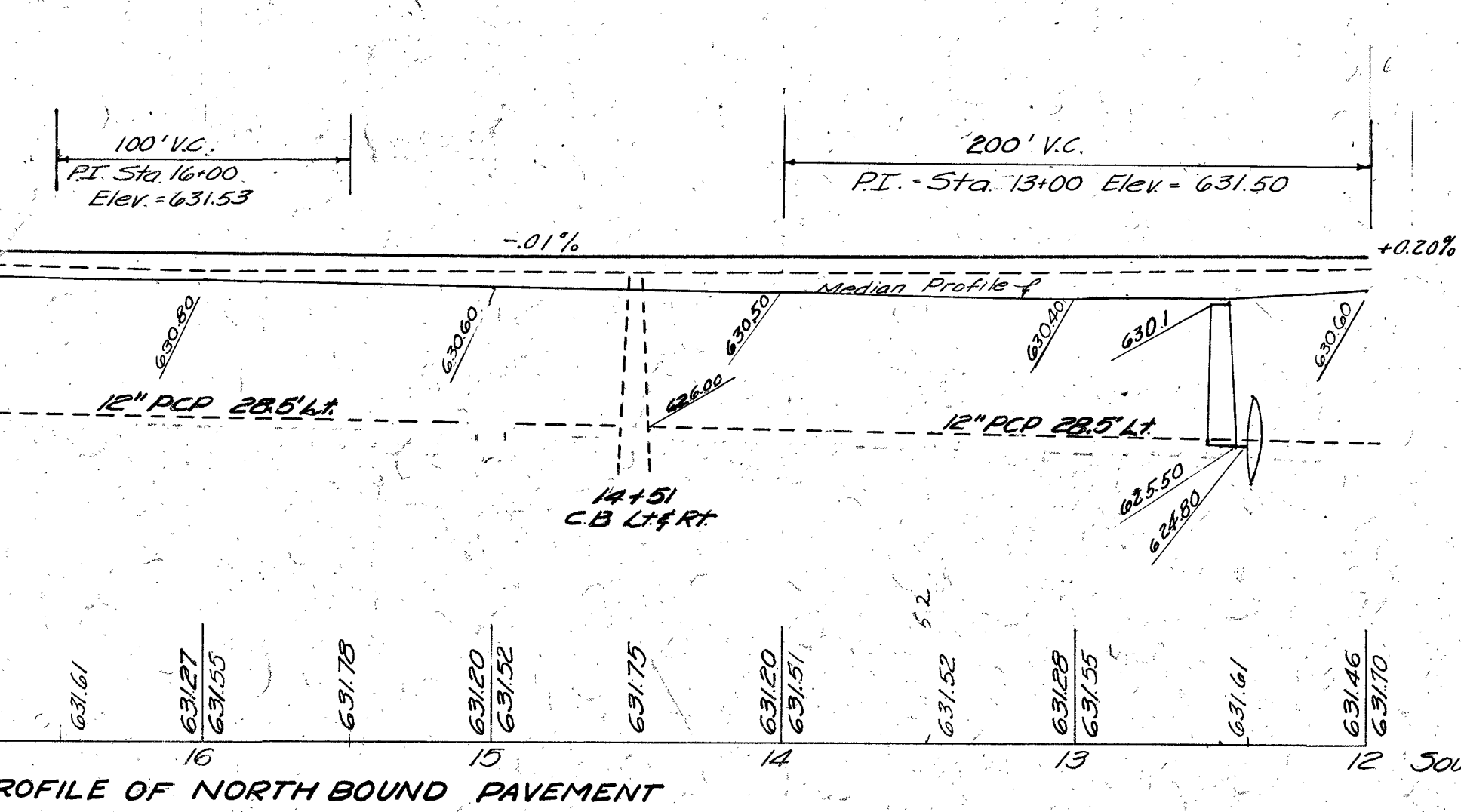
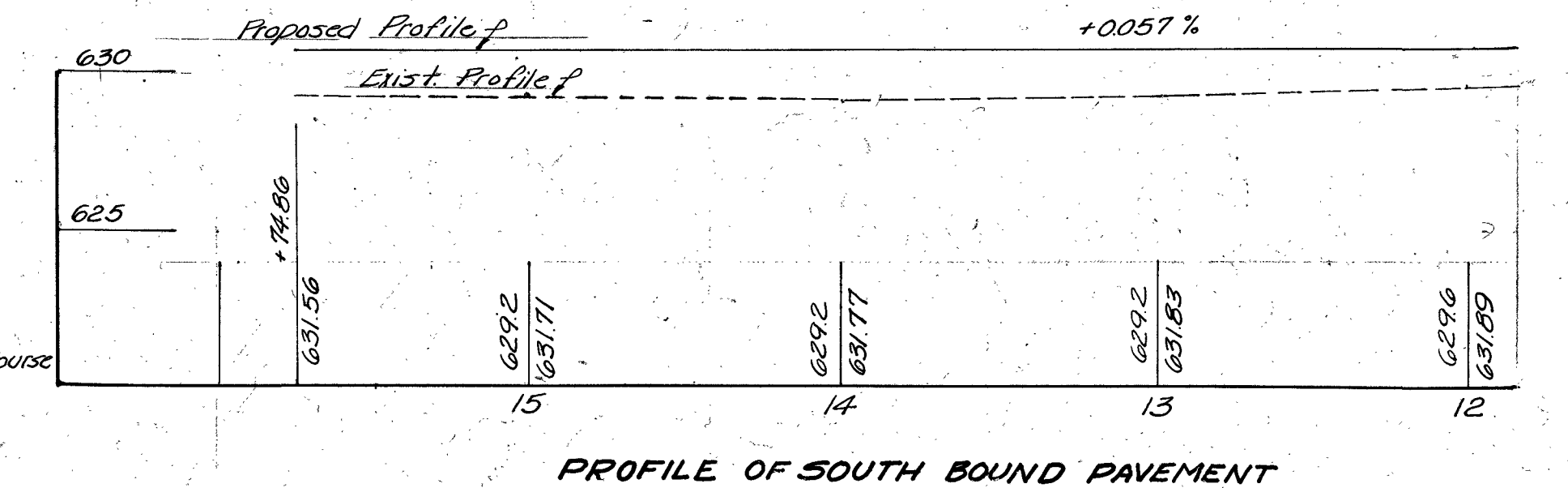
DESIGNED: R.P.M. CHECKED: P.D.G. DATE: 6-26-53
DRAWN: D.W. IN CHARGE: S.R.E. SCALE: 1" = 30'

CONTRACT NO. C-47 SHEET 30 OF 131

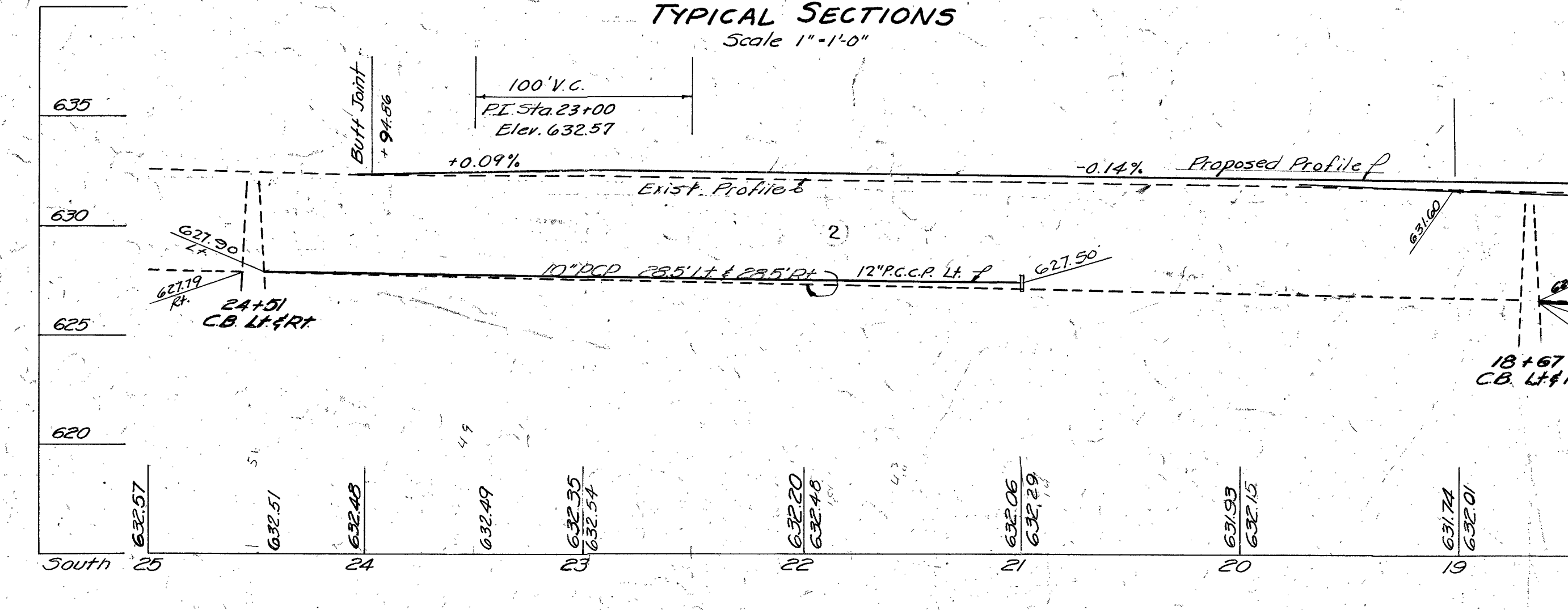
Alignment Book 47-1
Topography Book 47-3
Profile Book 47-2



QUANTITIES					
No.	Item	Location & Remarks	Unit	Estimated Quantity	Final Quantity
E-1	Roadway Excavation		CY	2653	2555
E-11	Water		M-Gal	2	0
E-12	Pipe Removed Under 18"		LF	1361	1361
L-9	Placing Stockpiled Topsoil		SY	2798	0
L-9	Specialty Fertilizer Type 31		SY	2798	920
L-9	Commercial Fertilizer (10-6-4)		SY	0.25	0.08
L-19	Special Seeding		SY	4056	0
L-10	Foddering		SY	390	0
E-2	Excavation for Structures		CY	38	50.14
I-2	Pipe for Storm Sewers	12" R.C.P. (M66b)	LF	362	562
I-2	Pipe for Storm Sewers	Under Pavement			
		12" R.C.P. (M66b)	LF	50	51
		36" R.C.P. (M66b)	LF	144	139
I-8	Inlets	Type A1	EA	2	2
S-1	Conc for Structures	Class 2"	CY	12.7	12.06
S-4	Reinforcing Steel		LB	533	521
I-22	Selected Subbase		CY	1630	1362
T-35	1 1/4" Asphaltic Concrete	Surface Course Type C"	CY	184	
T-35	0-3" Asphaltic Concrete	Surface Course for Paved			
	Shoulders		CY	223	216.5
B-35	1 1/4" Min. Asphaltic Concrete	Leveling Course	CY	184	
B-35	0-3" Min. Asphaltic Concrete	Pre-leveling Course	CY	46	144
B-70	Portland Cement Concrete	Base Course	SY	1842	287
T-71	9" Reinforced Portland Cement	Concrete Pavement	SY	1300	1340
T-30	Tack Coat applied at the	rate of 0.10 gal. per Sq. Yd.	Gal	581	450
I-31	Process Portland Cement	Concrete Traffic Shoulders	EA	22	0
I-18	Stub Shoulders &	Temporary Run-around	CY	88	66
I-4	Catch Basins Abandon				3



- 1 T-35, 1 1/4" Asphaltic Concrete Surface Course, Type C"
- 2 T-35, 0" Min. Asphaltic Concrete Surface Course, for Paved Shoulders, Type C" (10-80)
- 3 B-35, 1 1/4" Min. Asphaltic Concrete Leveling Course
- 4 B-35, 0" Min. Asphaltic Concrete Pre-leveling Course
- 5 B-70, 9" Portland Cement Concrete Base Course
- 6 T-71, 9" Reinforced Portland Cement Concrete Pavement
- 7 T-30, Tack coat, applied at the rate of 0.10 gal. per Sq. Yd.
- 8 I-22 6" Min. Selected Sub-base
- 9 I-18 6" Stabilized Shoulder & Temporary Run-around
- 10 L-35 Placing Stockpiled Topsoil
- 11 L-9 Seeding & Protecting, Type A"
- 12 L-19 Commercial Fertilizer (10-6-4)
- 13 L-19 Special Seeding
- 14 I-15 Guard Rail, Type A"



AS-BUILT PLANS

2. Revised Pipe Sta. 24+52 to Sta. 21+00 Lt. P.W. 6-9-58

1. Revised Bearing U.S. 20 ± P.W. 3-1-58

OHIO TURNPIKE COMMISSION
OHIO TURNPIKE PROJECT NO. 1
PLAN AND PROFILE
U.S.R. 20
 ALDEN E. STILSON & ASSOCIATES, LIMITED
 CONTRACTING ENGINEER
 DESIGN SECTION D-17

DESIGNED: N.A.S. CHECKED: P.D.C. DATE: 4-25-58
 DRAWN: N.A.S. IN CHARGE: J.E.R. SCALE: 1/8" = 1'-0"

CONTRACT NO. C-47 SHEET 31 OF 131

Sta. 12+00(S) to Sta. 1+00(N) Lt.
Remove 1300" 12" R.C.P.

Sta. 4+00 S
1-Inlet, A-1
63"-12" R.C.P. (M.G. 6.6)
1-Hdwl. 41" RT.

7+52.5 23" Lt.
Remove Existing
Manhole

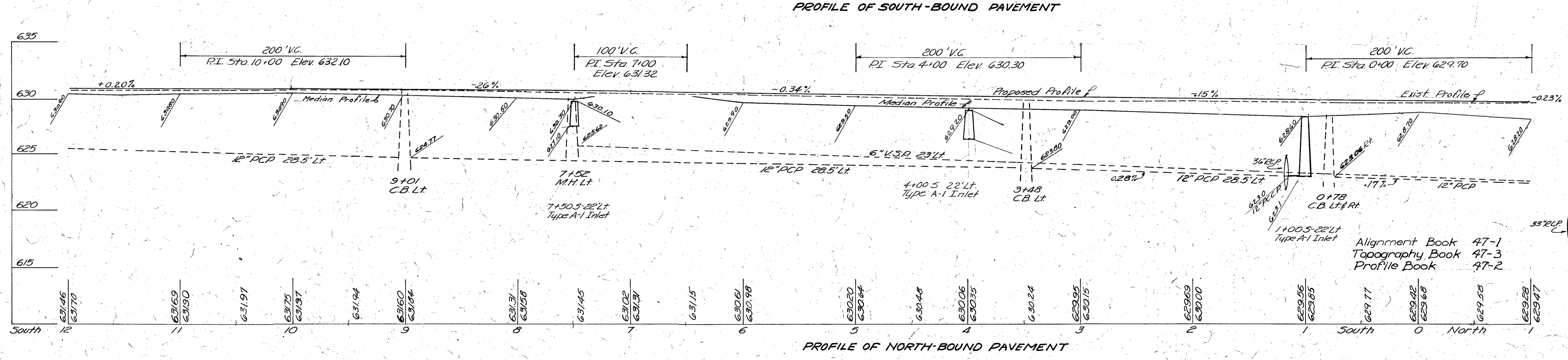
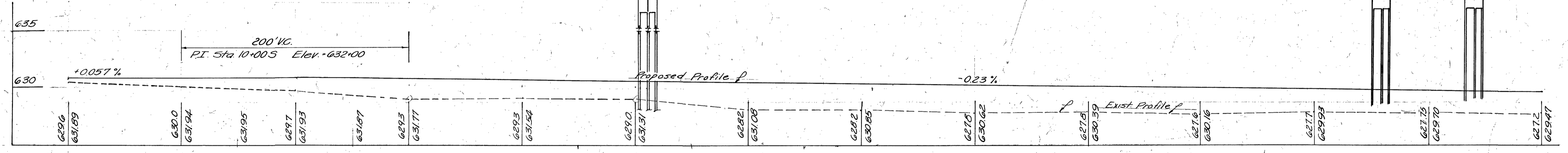
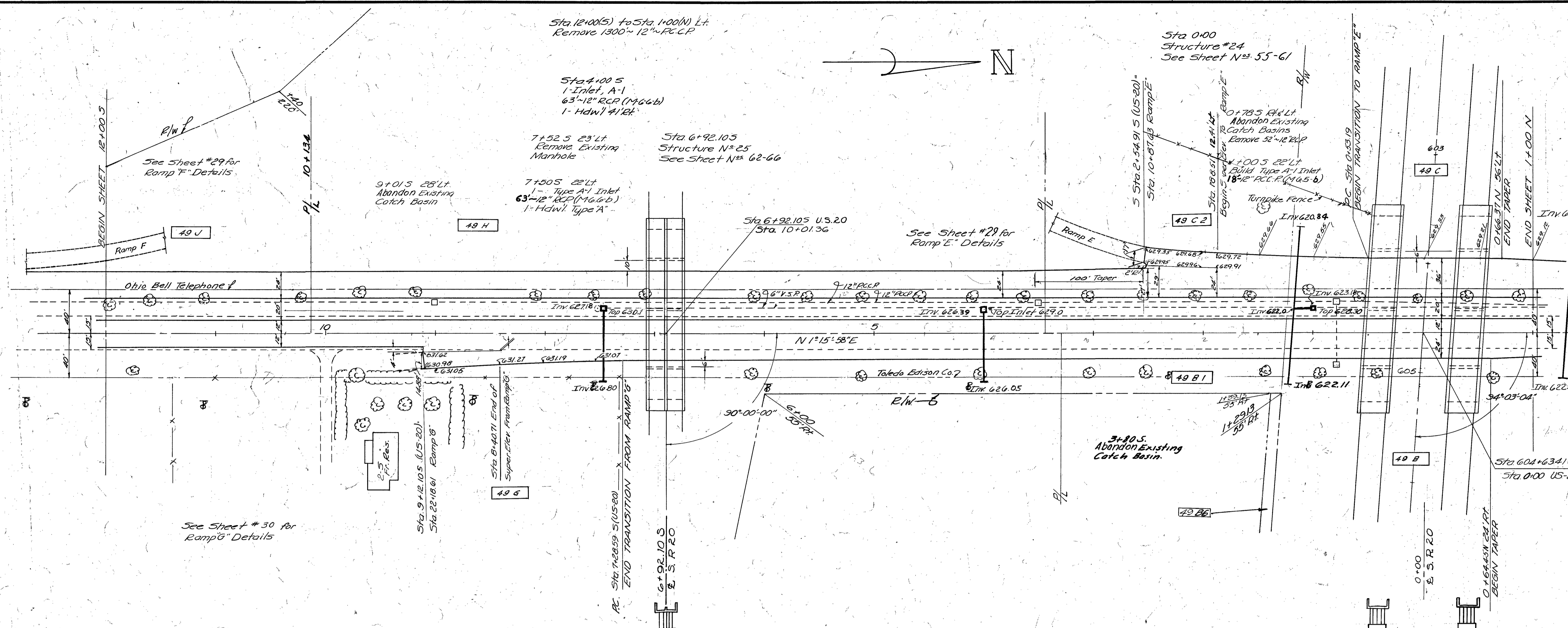
Sta. 6+92.105
Structure N° 25
See Sheet N° 62-66

7+50.5 22" Lt.
1-Type A-1 Inlet
63"-12" R.C.P. (M.G. 6.6)
1-Hdwl. Type A

Sta. 6+92.105 U.S. 20
Sta. 10+01.36

See Sheet #29 for
Ramp E Details

Sta. 0+00
Structure #24
See Sheet N° 55-61



QUANTITIES					
No.	Item	Location & Remarks	Unit	Estimated Quantity	Final Quantity
E-1	Roadway Excavation		CY	1919	1626
E-11	Water		M. gal	11	0
E-12	Pipe Removed Under 16"		LF	1332	1332
L-3	Placing Stockpiled Topsoil		SY	5017	0
L-9	Seeding & Protecting Type A		SY	5017	2380
L-9	Commercial Fertilizer (10-6-4) 160		0.45	0.20	0
L-9	Special Seeding		SY	3573	0
L-23	Right of Way Fence		LF	220	220
E-2	Excavation for Structures		CY	8	336
E-2	Pipe for Storm Sewers	12" R.C.P. (M.G. 6.6)	LF	18	18
E-2	Pipe for Storm Sewers Under Pavement	12" R.C.P. (M.G. 6.6)	LF	129	126
E-8	Inlets	Type A-1	Ea	3	3
E-14	4" Plain Concrete Paved Ditches		SY	14	0
S-1	Concrete for Structures	Class C	CY	1.8	1.8
S-4	Reinforcing Steel		Lb	102	102
E-22	Selected Sub-base		CY	2590	2442
F-30	1 1/2" Asphaltic Concrete Surface Course Type C		CY	163	
F-30	0 1/2" Asphaltic Concrete Surface Course for Paved Shoulders		CY	223	99.6
F-30	1 1/4" Asphaltic Concrete Leveling Course		CY	163	
F-35	0" Mill Asphaltic Concrete Pre-Leveling Course		CY	85	150
F-70	9" Portland Cement Concrete Base Course		SY	1045	1006
F-71	9" Rein. Portland Cement Concrete Pavement		SY	3936	3976
E-18	Stab Shoulders & Temporary Run-around		CY	252	177
F-30	1 1/2" Asphaltic Concrete	Rate of 0.1 gal per sq. yd.	Gal	513	493
E-16	Catch Basins Abandoned				4

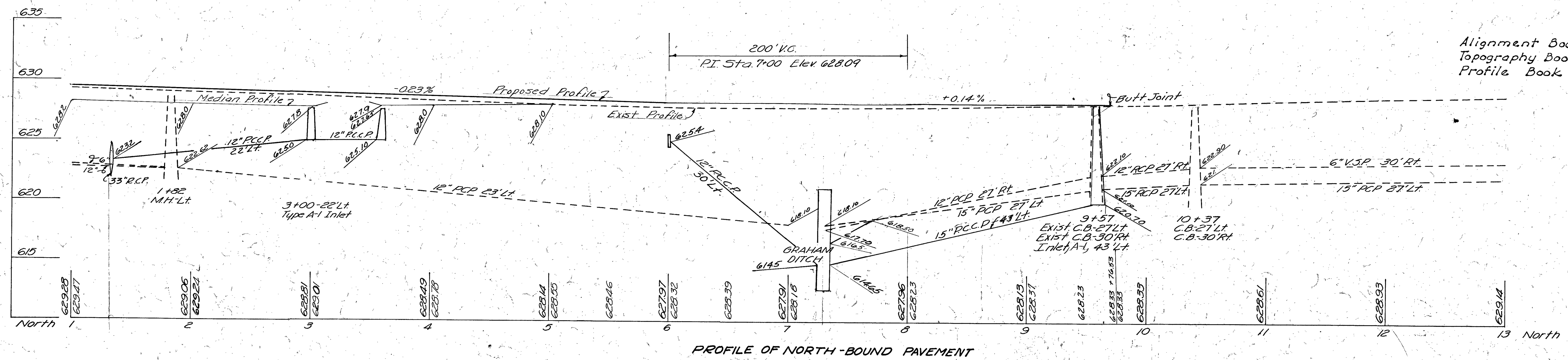
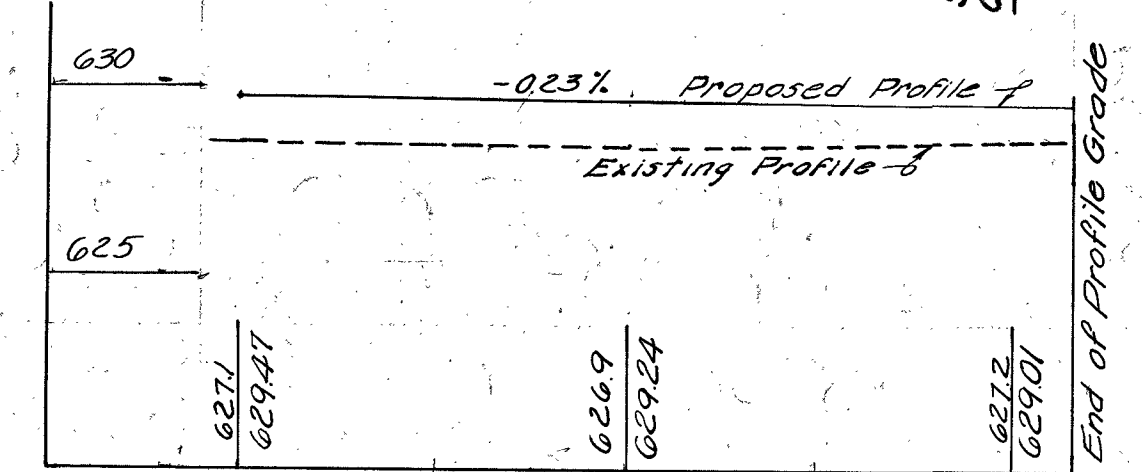
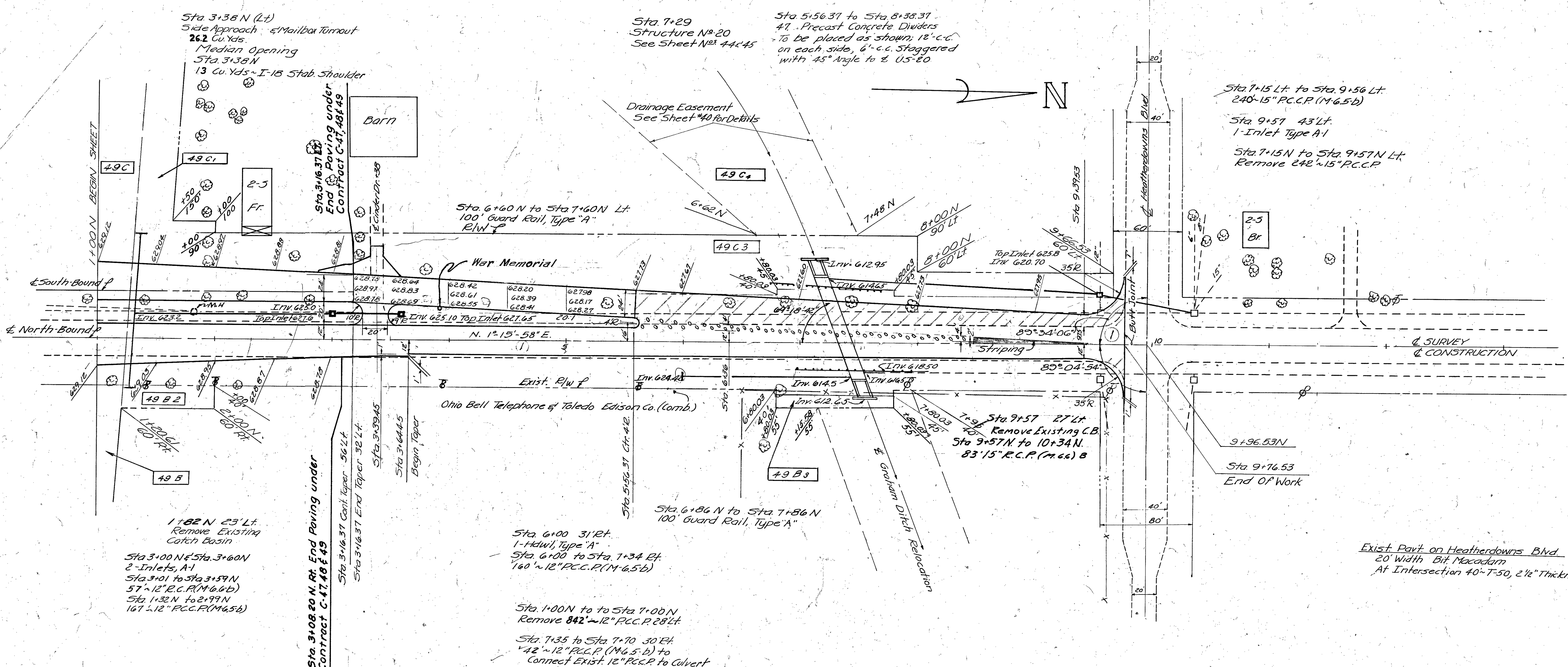
2 AS-BUILT PLANS 5-9-56
 Revised Ramp Station of Structure #25
 Revised Bearing U.S. 20 Lt. D.W. 3-158

No.	Revision	By	Date

OHIO TURNPIKE COMMISSION
OHIO TURNPIKE PROJECT NO. 1
PLAN AND PROFILE
U.S. 20
 ALDEN E. STILSON & ASSOCIATES, LIMITED
 CONTRACTING ENGINEER
 DESIGN SECTION D-17

DESIGNED: M.E.S. CHECKED: P.P.C. DATE: 4-25-53
 DRAWN: M.E.S. IN CHARGE: P.P.C. SCALE: 1" = 20'

CONTRACT NO. C-47 SHEET 32 OF 31



LEGEND

- 1 1/4" T-35 Asphaltic Concrete Surface Course Type C (70-80)
- 1 1/4" B-35 Asphaltic Concrete Levelling Course (70-80)
- T-30 Tack Coat - Rate 0.1 gal. per sq. yd.
- 9" B-70 Portland Cement Concrete Base Course
- 6" I-22 Selected Sub-base

Alignment Book 47-1
 Topography Book 47-3
 Profile Book 47-2

QUANTITIES					
No.	Item	Location & Remarks	Unit	Estimated Quantity	Final Quantity
E-1	Road Way Excavation		CY	622	629
E-11	Water	M-Gal		10	
E-12	Pipe Removed Under 16"	LF		842	1084
L-3	Placing Stockpiled Topsoil	SY		1888	0
L-9	Seeding/Protecting Type A	SY		1888	0
L-9	Commercial Fertilizer (10-10-4)	TON		0.17	0
L-19	Special Seeding	SY		272.2	0
I-15	Guard Rail Type A	LF		200	99.83
E-2	Excavation for Structure		CY	4	4.68
E-2	Pipe for Storm Sewers	12" R.C.C.P. (M 65 B)	LF	367	369
		15" R.C.C.P. (M 65 B)	LF	241	240
E-2	Pipe for Storm Sewers Under Pavement	12" R.C.C.P. (M 66 B)	LF	58	57
I-8	Inlets, Type A-1		Ea	3	3
I-14	4" Plain Concrete Ditch		SY	85	0
S-1	Concrete for Struct. Class 2		CY	0.9	0.9
S-4	Reinforcing Steel		LB	51	51
I-17	Side Approaches & Mailbox Turnouts		CY	13	26.2
I-22	Selected Sub-base		CY	1110	893
T-35	1 1/4" Asphaltic Concrete Surface Course Type C		CY	133	
T-35	0-3" Asphaltic Concrete Surface Course Type C		CY	40	100
B-35	1 1/4" Min. Asphaltic Concrete Levelling Course		CY	133	
B-35	0" Min. Asphaltic Concrete Pre-Levelling Course		CY	65	144
B-70	9" Portland Cement Concrete Base Course		SY	1613	286
T-70	9" Reinforced Portland Cement Concrete Pavement		SY	721	745
T-30	Tack Coat applied at the rate of 0.1 gal. per sq. yd.		Gal	418	357
I-31	Precast Portland Cement Concrete Traffic Dividers		Ea	47	0
I-18	Stab. Shoulders & Temporary Run around		CY	117	244
B-20	10" W.B. (Struct. 20)		SY		196
S-27	15" Std. Strength R.C.C.P. (U.S. Rte 208 Heather Downs)		LF		83
I-9	Stone Underdrains (Struct 20)				270

AS-BUILT PLANS 5-9-58

1 Revised Bearing of U.S. 20 & Revised Angles @ Heather Downs Intersect. P.M. 3-1-54

No.	Revision	By	Date

OHIO TURNPIKE COMMISSION
OHIO TURNPIKE PROJECT NO. 1
PLAN AND PROFILE
U.S.R. 20
ALDEN E. STILSON & ASSOCIATES, LIMITED
 CONTRACTING ENGINEER
 DESIGN SECTION D-17

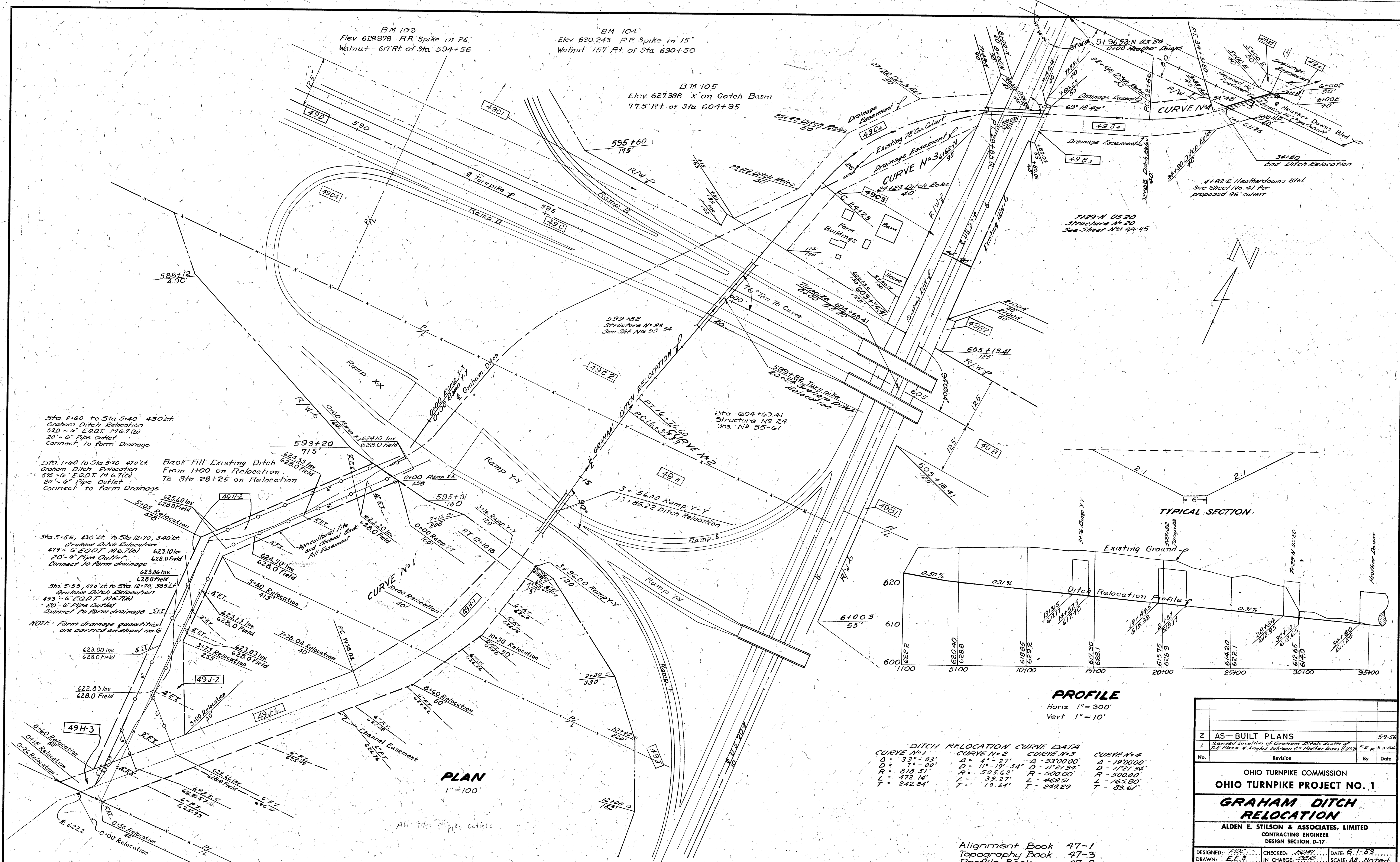
DESIGNED: H.S. CHECKED: P.C. DATE: 4-25-58
 DRAWN: H.S. IN CHARGE: J.P.C. SCALE: AS SHOWN

CONTRACT NO. C-47 SHEET 33 OF 31

BM 103
Elev 628.978 RR Spike in 26"
Walnut - 617 Rt of Sta 594+56

BM 104
Elev 630.243 RR Spike in 15"
Walnut 157 Rt of Sta 630+50

BM 105
Elev 627.388 X on Catch Basin
77.5 Rt of Sta 604+95



Sta 2+60 to Sta 5+40 430' Lt
Graham Ditch Relocation
520 ~ 6" E.O.D.T. M 6.71(b)
20" ~ 6" Pipe Outlet
Connect to Farm Drainage

Sta 1+60 to Sta 5+30 470' Lt
Back Fill Existing Ditch
From 1+00 on Relocation
To Sta 28+25 on Relocation
595 ~ 6" E.O.D.T. M 6.71(b)
20" ~ 6" Pipe Outlet
Connect to Farm Drainage

Sta 5+55, 430' Lt to Sta 12+70, 340' Lt
Graham Ditch Relocation
474 ~ 6" E.O.D.T. M 6.71(b)
20" ~ 6" Pipe Outlet
Connect to Farm drainage

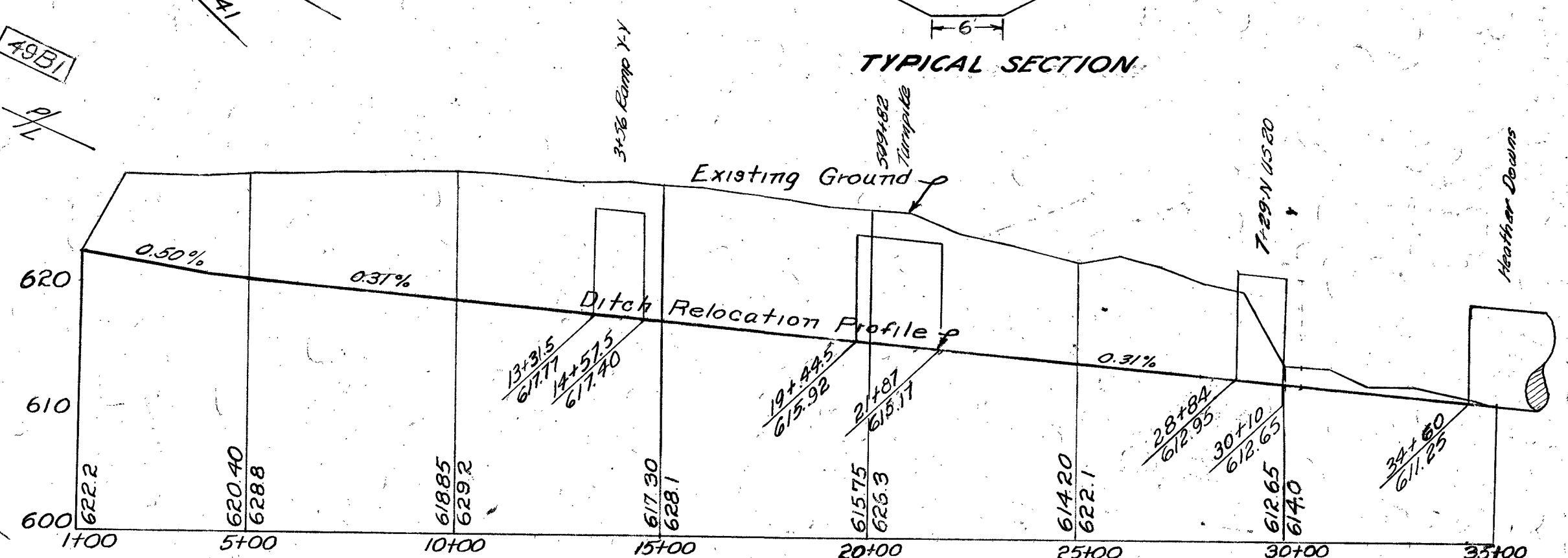
Sta 5+55, 470' Lt to Sta 12+70, 385' Lt
Graham Ditch Relocation
453 ~ 6" E.O.D.T. M 6.71(b)
20" ~ 6" Pipe Outlet
Connect to Farm drainage

NOTE: Farm drainage quantities
are carried on sheet no. 6

DITCH RELOCATION CURVE DATA

CURVE N°1	CURVE N°2	CURVE N°3	CURVE N°4
Δ = 33°-03'	Δ = 4°-27'	Δ = 53°00'00"	Δ = 19°00'00"
D = 7°-00'	D = 11°-19'-54"	D = 11°27'34"	D = 11°27'34"
R = 318.51'	R = 505.62'	R = 500.00'	R = 500.00'
L = 472.14'	L = 39.27'	L = 462.51'	L = 165.80'
T = 242.84'	T = 19.64'	T = 249.29'	T = 83.67'

PROFILE
Horiz. 1" = 300'
Vert. 1" = 10'



PLAN
1" = 100'

All Tiles 6" pipe outlets

Alignment Book 47-1
Topography Book 47-3
Profile Book 47-2

2 AS-BUILT PLANS		5-9-56
Revised Location of Graham Ditch South of Toll Plaza & Angles between 2nd Heather Downs & US 20		
No.	Revision	By Date
OHIO TURNPIKE COMMISSION OHIO TURNPIKE PROJECT NO. 1 GRAHAM DITCH RELOCATION ALDEN E. STILSON & ASSOCIATES, LIMITED CONTRACTING ENGINEER DESIGN SECTION D-17		
DESIGNED: E.E.S.	CHECKED: R.M.	DATE: 6-1-53
DRAWN: E.E.S.	IN CHARGE: E.E.S.	SCALE: AS NOTED
CONTRACT NO. C-47 SHEET 40 OF 31		