

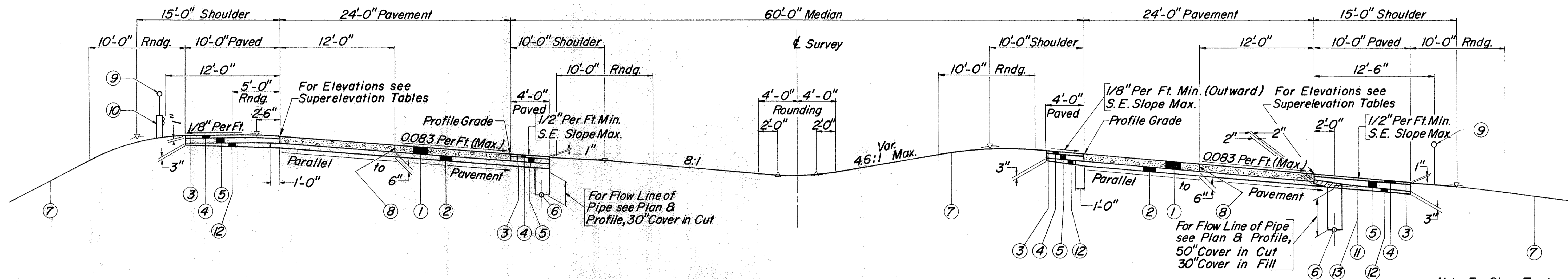
TYPICAL SECTIONS

TYPE T-71

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

4
263

WASHINGTON COUNTY
WAS-77-9.12



SUPERELEVATED SECTION

LIMITING STATIONS

LEFT LANE

RIGHT LANE

NOTES:

* Bituminous Surface Treatment shall consist of 0.008 Cu.Yds. No. 6 Aggregate and 0.25 Gal. of Bituminous Material Per. Sq. Yd. (See Note in Proposal.)

All Slopes typical unless otherwise shown on Cross Sections.

** T-33.5 or T-35 Type A Bituminous Material may be used in the construction of this course. (See Note in Proposal.)

** Thickness shown is "designed" thickness as described in Sec. B-21.01

HIGH SIDE SUPER

STA. 522+00.00 TO 540+12.72 = 182.72 LIN.FT.
STA. 644+95.00 TO 648+00.00 = 305.00
SUB TOTAL 2,117.72 LIN.FT.

LOW SIDE SUPER

STA. 483+50.00 TO 509+50.00 = 2,600.00 LIN.FT.
STA. 610+50.00 TO 612+25.00 = 175.00
STA. 621+75.00 TO 632+00.00 = 1,025.00
STA. 610+775.0 TO 611+76.50 BRIDGE LIMITS = -99.00
SUB TOTAL = 3,701.00 LIN.FT.
TOTAL LEFT LANE SUPER = 5,818.72 LIN.FT.

HIGH SIDE SUPER

STA. 483+50.00 TO 485+05.00 = 155.00 LIN.FT.
STA. 490+83.00 TO 495+00.00 = 417.00
STA. 500+70.00 TO 509+50.00 = 880.00
STA. 610+50.00 TO 612+25.00 = 175.00
STA. 621+75.00 TO 632+00.00 = 1025.00
STA. 610+775.0 TO 611+76.50 BRIDGE LIMITS = -99.00
SUB TOTAL = 2,553.00 LIN.FT.

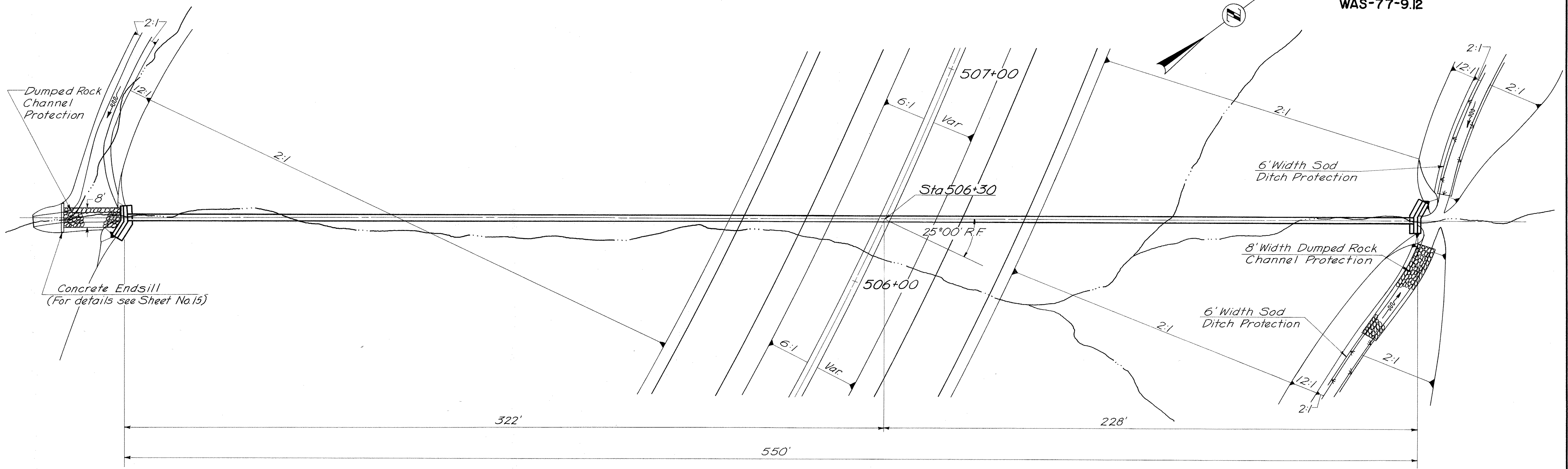
LOW SIDE SUPER

STA. 522+50.00 TO 539+05.00 = 1,655.00 LIN.FT.
STA. 644+20.00 TO 648+00.00 = 380.00
SUB TOTAL = 2,035.00 LIN.FT.
TOTAL RIGHT LANE SUPER = 4,588.00 LIN.FT.

COURSE LEGEND

- ① Item T-71 9" Reinforced Portland Cement Concrete Pavement.
- ② Item I-22 Subbase, Grading "A" or "B" as per plan. (See Note, Sh. No. 9)
- ③ Item T-31 Bituminous Surface Treatment.*
- ④ Item B-21 3" Waterproofed Aggregate Base Course.**
- ⑤ Item B-19 6" (Except as Noted) Aggregate Base Course.
- ⑥ Item I-1 6" Pipe, Class I-3.
- ⑦ Item L-9 Seeding and Protecting.
- ⑧ Standard Longitudinal Joint.
- ⑨ Item I-127 Standard Delineators.
- ⑩ Item I-15 Guard Rail, with slopes steeper than 4:1
- ⑪ See Sequence of Construction Paving Operations Note, Sh. No. 9.
- ⑫ Item I-22 Subbase
- ⑬ Item special drainage connection, using No. 6 Aggregate (See Note In The Proposal)

Note: For Slope Treatment see Sh. 3.



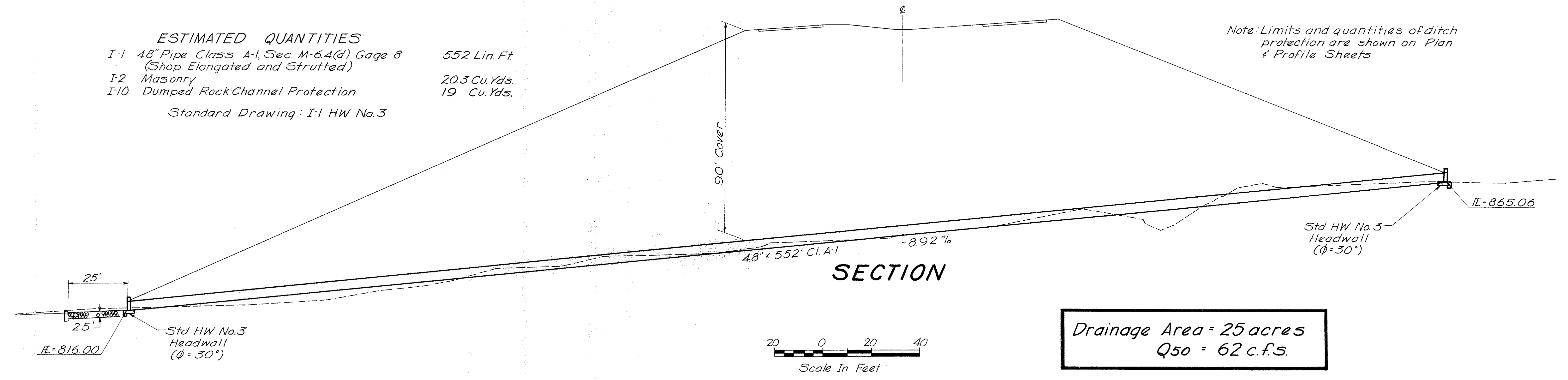
PLAN

ESTIMATED QUANTITIES

I-1 48" Pipe Class A-1, Sec. M-6.4(d) Gage 8 (Shop Elongated and Strutted)	552 Lin. Ft.
I-2 Masonry	20.3 Cu. Yds.
I-10 Dumped Rock Channel Protection	19 Cu. Yds.

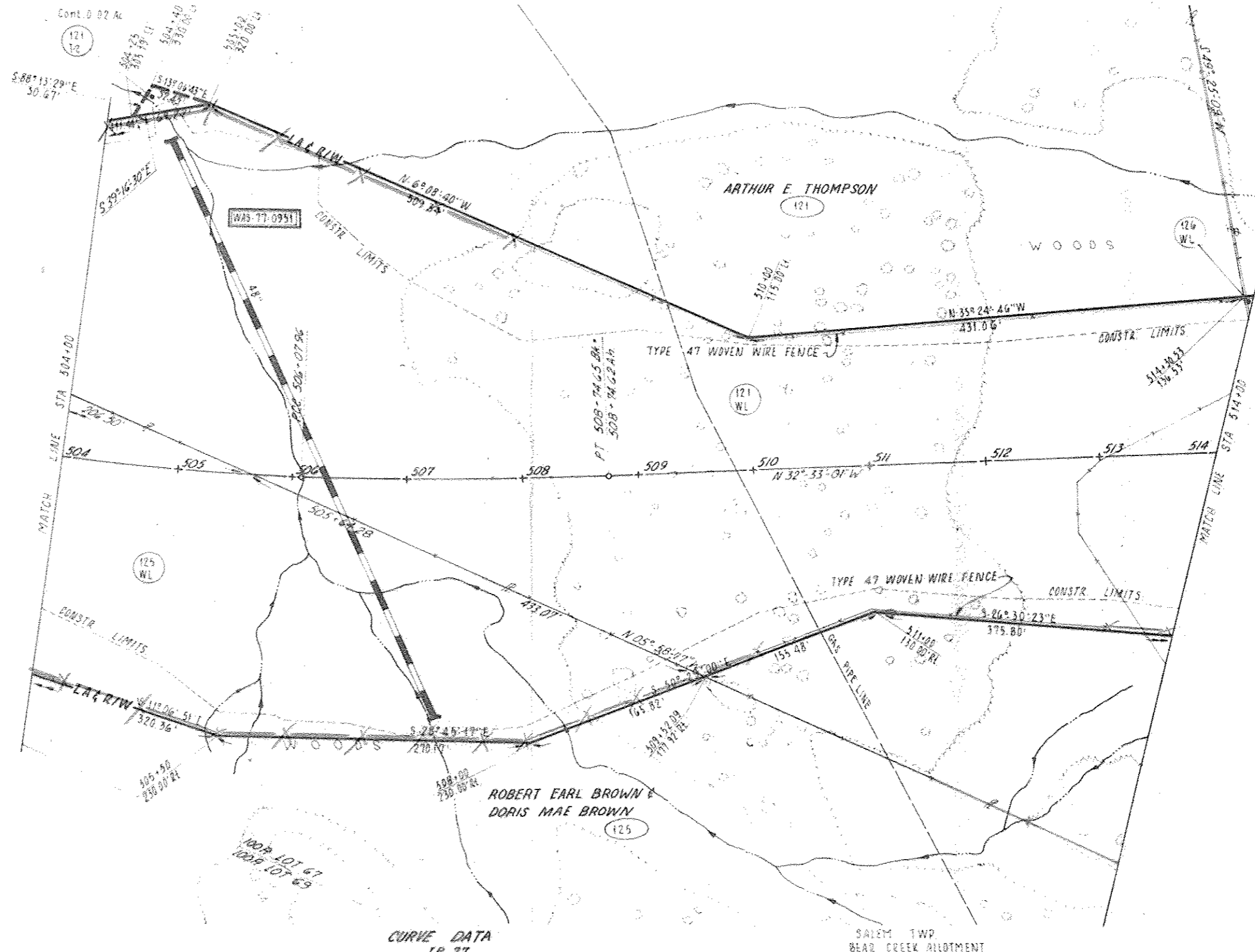
Standard Drawing: I-1 HW No. 3

Note: Limits and quantities of ditch protection are shown on Plan & Profile Sheets.



SECTION

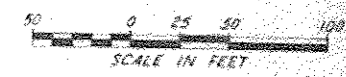
Drainage Area = 25 acres
Q₅₀ = 62 c.f.s.



CURVE DATA
LR 77

PI 497+20.60	PI 507+41.39
A = 47°14'22" L	B = 5°00'00" L
D = 2°30'	D = 1°52'29"
R = 2291.85'	R = 3056.05'
T = 1022.22'	T = 133.45'
L = 1889.58'	L = 266.69'
E = 209.55'	E = 2.91'

TYPE 47 FENCE 999 LIN. FT



SALEM TWP
T-4-N R-8-W

DATE	DESCRIPTION	INIT
REVISIONS		

R/W Sta. 504+00 to 514+00

The 6" Type F Conduit, that drains the Perforated Pipe Underdrain, to outlet 385' (Approx.) Lt. Sta 503+00

Existing 24"x36" CMP to be removed & stored for State M&R Forces.

5-D For culvert extension, Catch Basin, & Removal Details and Estimated Quantities included under Item 5-D, See Structure Detail Sheet No. 14

End Post Assembly for extension of R/W Fence 315 Lt. Sta 502+12

ARTHUR E. THOMPSON

WAS-77-0951
48"x552'

C.S. 506+07.96

ESTIMATED QUANTITIES

- 1-D 605 6" Unclassified Pipe Underdrain 707.01 Type III 250 Lin. Ft.
- 2-D 603 6" Type F Conduit 707.01 195 Lin. Ft.
- 3-D 605 No. 8 Aggregate (Porous Drain) 786 Cu. Yds.
- 4-D 601 Paved Gutter Type 1-4 75 Lin. Ft.
- 5-D (Various) Quantities Summarized on Structure Detail Sheet & Carried to General Summary Sheet.

- 1-R 607 Fence Type 47 - Lt. Sta 501+27 to Lt. Sta 502+12 150 Lin. Ft.
- 4-D 660 Sodding 13 Sq. Yds.

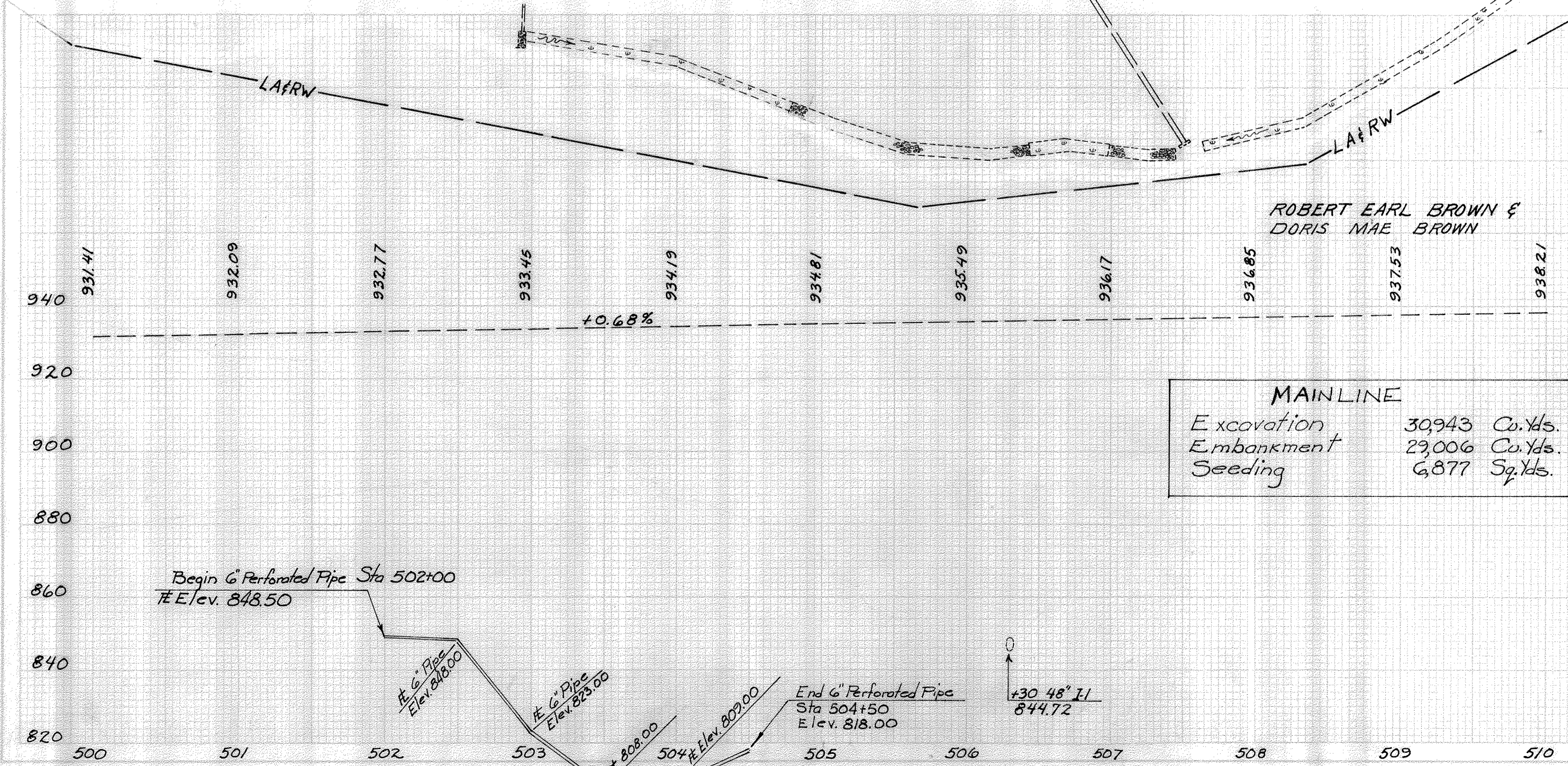
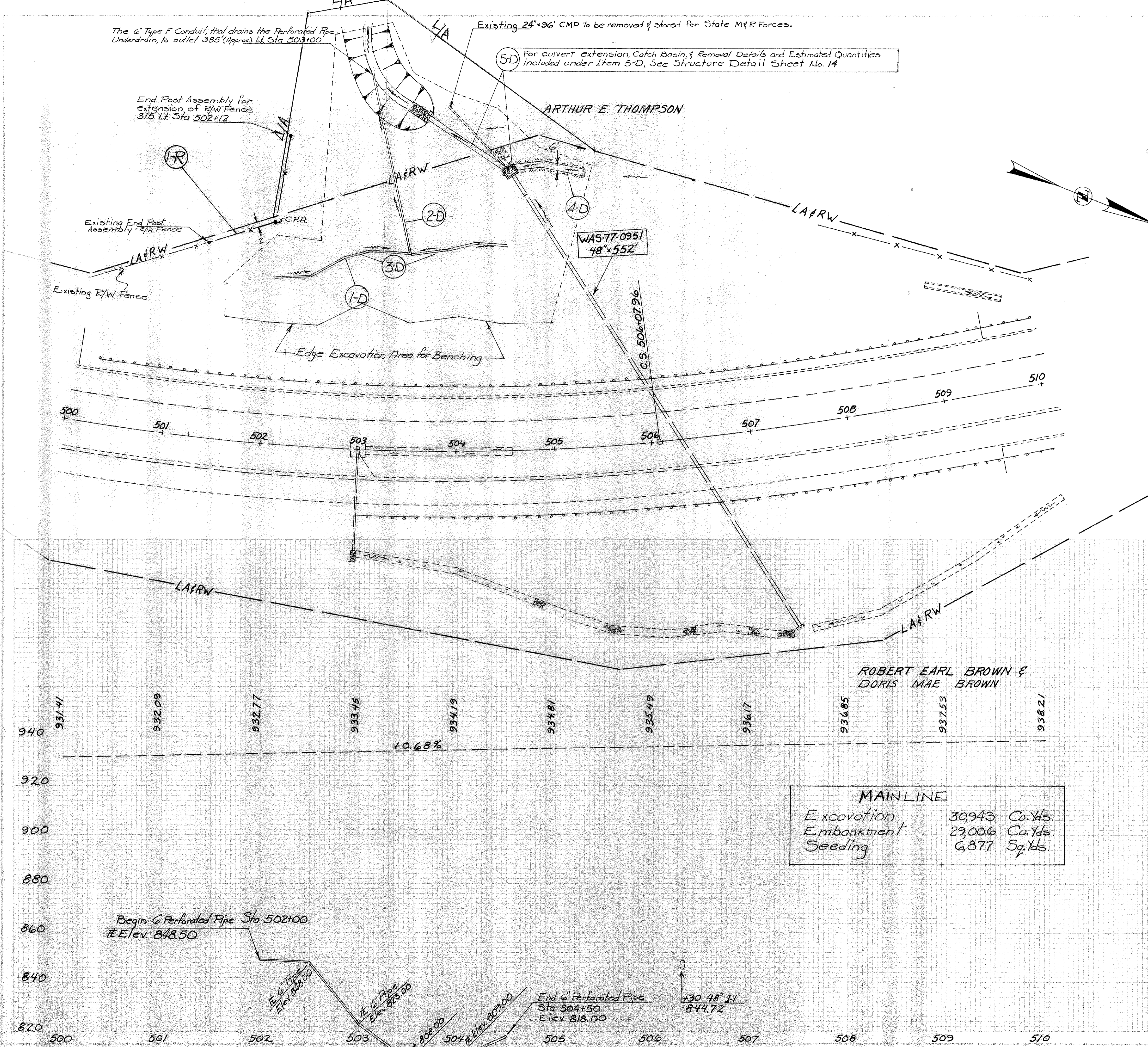
Quantities Carried to General Summary Sheet.

B.M. □ Cut on Catch Basin
Sta 503+00
Elev. 930.95

ROBERT EARL BROWN &
DORIS MAE BROWN

MAINLINE	
Excavation	30,943 Cu. Yds.
Embankment	29,006 Cu. Yds.
Seeding	6,877 Sq. Yds.

B.M. Spike in 12" Sycamore
320' Lt. of Sta 501+00
Elev. 852.53

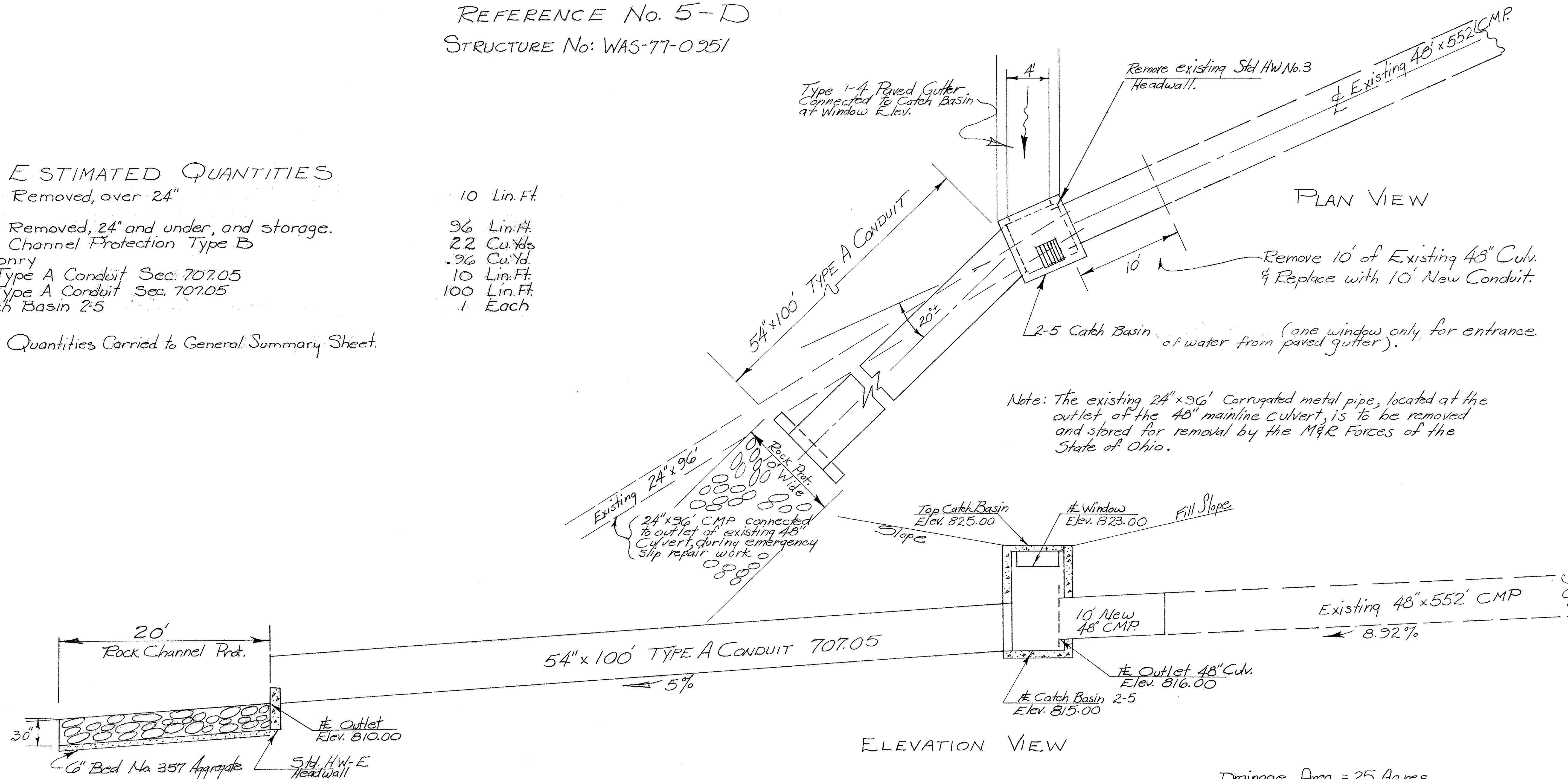


CULVERT EXTENSION
 LT. STA 504+50 ±
 REFERENCE No. 5-D
 STRUCTURE No: WAS-77-0951

ESTIMATED QUANTITIES

202 Pipe Removed, over 24"	10 Lin. Ft.
202 Pipe Removed, 24" and under, and storage.	96 Lin. Ft.
601 Rock Channel Protection Type B	22 Cu. Yds
602 Masonry	.96 Cu. Yd.
603 48" Type A Conduit Sec. 707.05	10 Lin. Ft.
603 54" Type A Conduit Sec. 707.05	100 Lin. Ft.
604 Catch Basin 2-5	1 Each

Quantities Carried to General Summary Sheet.



Scale: 1"=5'

Drainage Area = 25 Acres
 Q₅₀ = 62 c.f.s.

EXTENSION OF STRUCTURE No: WAS-77-0951

CENTERLINE SURVEY PLAT

INTERSTATE ROUTE 77, SECTION 9.38

WASHINGTON COUNTY, OHIO

SALEM TWP.- NEW YEARS CREEK, BEAR CREEK ALLOTMENT & U.S. TRACT

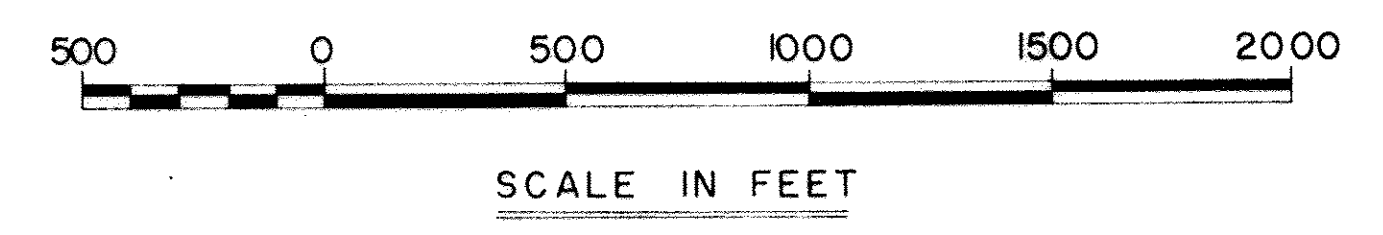
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

WASHINGTON COUNTY
WAS-77-9.38
LIMITED ACCESS

IR. 77
REFERENCE MONUMENTS

PC. 484+51.72	PCC. 524+51.04 BK.
PCC. 487+18.41 BK.	POC. 529+94.36
POC. 491+00.00	PCC. 535+37.72
POC. 496+63.17	PT. 538+04.41 BK.
POC. 502+00.00	POT. 544+00.00
PCC. 506+07.96	POT. 550+00.00
PT. 508+74.65 BK.	POT. 555+00.00
POT. 515+00.00	POT. 560+00.00
POT. 520+00.00	POT. 565+00.00
PC. 521+84.35	PC. 568+85.39
	POC. 575+00.00
TOTAL 21	

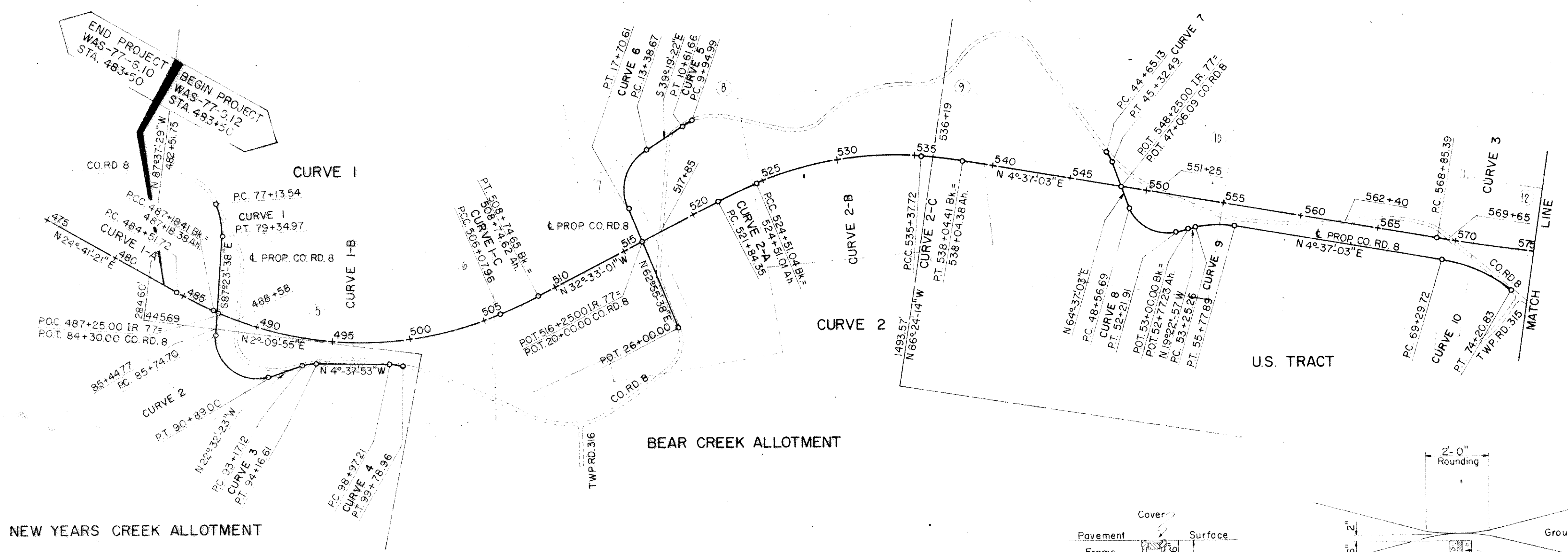
NOTE: This is a reproduction of the centerline plat of WAS-77-9.12 for this project.



CO. RD. 8

MONUMENT ASSEMBLIES

PC. 77+13.54	PC. 9+94.99	PC. 44+65.13
PT. 79+34.97	PT. 10+61.66	PT. 45+32.49
PC. 85+74.70	PC. 13+38.67	PC. 48+56.69
PT. 90+89.00	PT. 17+70.61	PT. 52+21.91
PC. 93+17.12	POT. 20+00.00	PC. 53+25.26
PT. 94+16.61	POT. 25+00.00	PT. 55+77.89
PC. 98+97.21	TOTAL 6	POT. 60+00.00
PT. 99+78.96		POT. 65+00.00
TOTAL 8		PC. 69+29.72
		PT. 74+20.83
		TOTAL 10

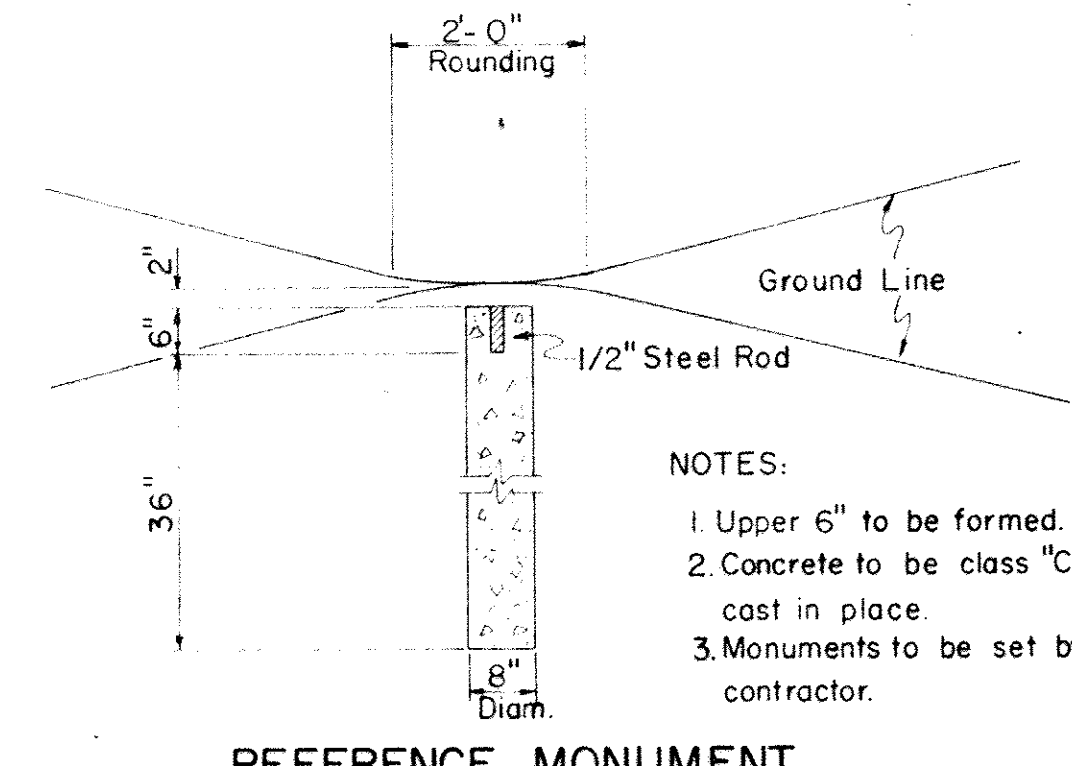
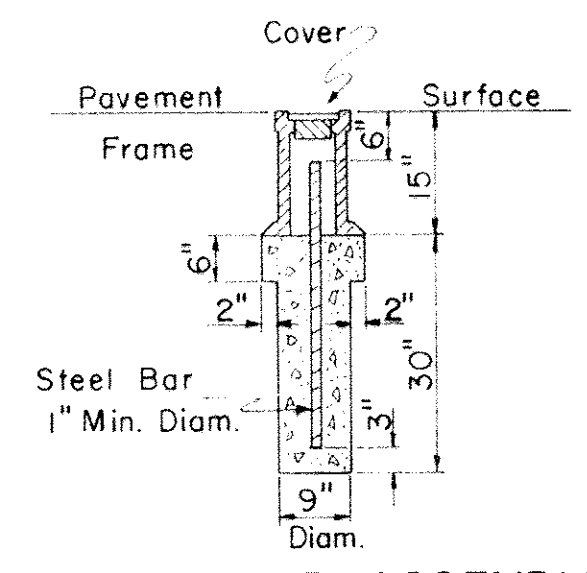


SURVEYOR'S SEAL

I hereby certify that this plat is a true delineation of a survey made for the Ohio Department of Highways in 1963 by Louis Berger and Associates.
Registered: Bernard F. July
Registered Surveyor No. 4982
Date: _____

LIMITED ACCESS

This improvement has been declared a limited access highway from station 483+50 to station 648+50 by action of the Director of Highways, and recorded in Volume 44, Page 635, of the Director's Journal pursuant to law.



NOTES:
1. Upper 6" to be formed.
2. Concrete to be class "C", cast in place.
3. Monuments to be set by contractor.

Date Received: _____ 19____
Date Recorded: _____ 19____
Book _____ Page _____
Signed: _____
County Recorder
Date: _____

CURVE DATA										
CURVE	I	I-A	I-B	I-C	2	2-A	2-B	2-C	CURVE	
TYPE	CONSTR.	R/W	R/W	R/W	CONSTR.	R/W	R/W	R/W	TYPE	
PI.	497+70.49	485+85.15	497+20.60	507+41.39	530+22.51	523+17.78	530+04.78	536+71.15	PI.	
Δ	57°14'-22" L	5°00'-00" L	47°14'-22" L	5°00'-00" L	37°10'-04" R	5°00'-00" R	27°10'-04" R	5°00'-00" R	Δ	
D _c	2°30'-00"	1°52'-29"	2°30'-00"	1°52'-29"	2°30'-00"	1°52'-29"	2°30'-00"	1°52'-29"	D _c	
R _c	2,291.83'	3,056.05'	2,291.83'	3,056.05'	2,291.83'	3,056.05'	2,291.83'	3,056.05'	R _c	
L _c	1,889.58'	266.69'	1,889.58'	266.69'	1,086.71'	266.69'	1,086.71'	266.69'	L _c	
T _c	1,002.22'	133.43'	1,002.22'	133.43'	553.77'	133.43'	553.77'	133.43'	T _c	
E _c		2.91'	209.55'	2.91'		2.91'	65.95'	2.91'	E _c	
L _s	400.00'				400.00'				L _s	
T _s	1452.11'				971.50'				T _s	
E _s	322.31'				129.14'				E _s	
θ _s	5°00'-00"				5°00'-00"				θ _s	
LT	266.77'				266.77'				LT	
S.T.	133.43'				133.43'				S.T.	

CURVE DATA												
CURVE	3	1	2	3	4	5	6	7	8	9	10	CURVE
RD.	IR 77	CO. RD. 8	CO. RD. 8	CO. RD. 8	CO. RD. 8	CO. RD. 8	CO. RD. 8	CO. RD. 8	CO. RD. 8	CO. RD. 8	CO. RD. 8	RD.
PI.	578+52.98	78+27.04	89+69.27	93+67.27	99+38.31	10+26.38	15+95.28	44+98.94	50+80.99	54+53.46	71+80.84	PI.
Δ	9°-00'-44" L	31°00'-00" R	113°08'-45" L	17°54'-30" R	14°42'-52" R	8°00' 00" L	77°45'-00" L	12°07'-30" R	84°00'-00" L	24°00'-00" R	29°28'-00" R	Δ
D	0°28'-00"	14°00'-00"	22°00'-00"	18°00'-00"	18°00'-00"	12°00' 00"	18°00'-00"	9°30'-00"	23°00'-00"	9°30'-00"	6°00'-00"	D
R	12,277.67'	409.26'	260.44'	318.31'	318.31'	477.4'	318.31'	318.31'	249.11'	603.11'	954.93'	R
T	967.59'	113.50'	394.57'	50.15'	41.0'	33.39'	256.62'	33.81'	224.30'	128.20'	251.12'	T
L	1,931.19'	221.43'	514.30'	99.49'	81.75'	66.67'	431.94'	67.36'	365.22'	252.63'	491.11'	L
E	38.07'	15.45'	212.33'	3.93'	2.64'	1.17'	90.56'	1.79'	86.10'	13.47'	32.47'	E

R/W CENTERLINE SURVEY PLAT

SUMMARY OF RIGHT OF WAY TO BE REQUIRED

TOTAL NO. OWNERS — 1

TOTAL NO. COMPLETE
TAKES — 0

TOTAL OWNERS WITH
STRUCTURES — 0

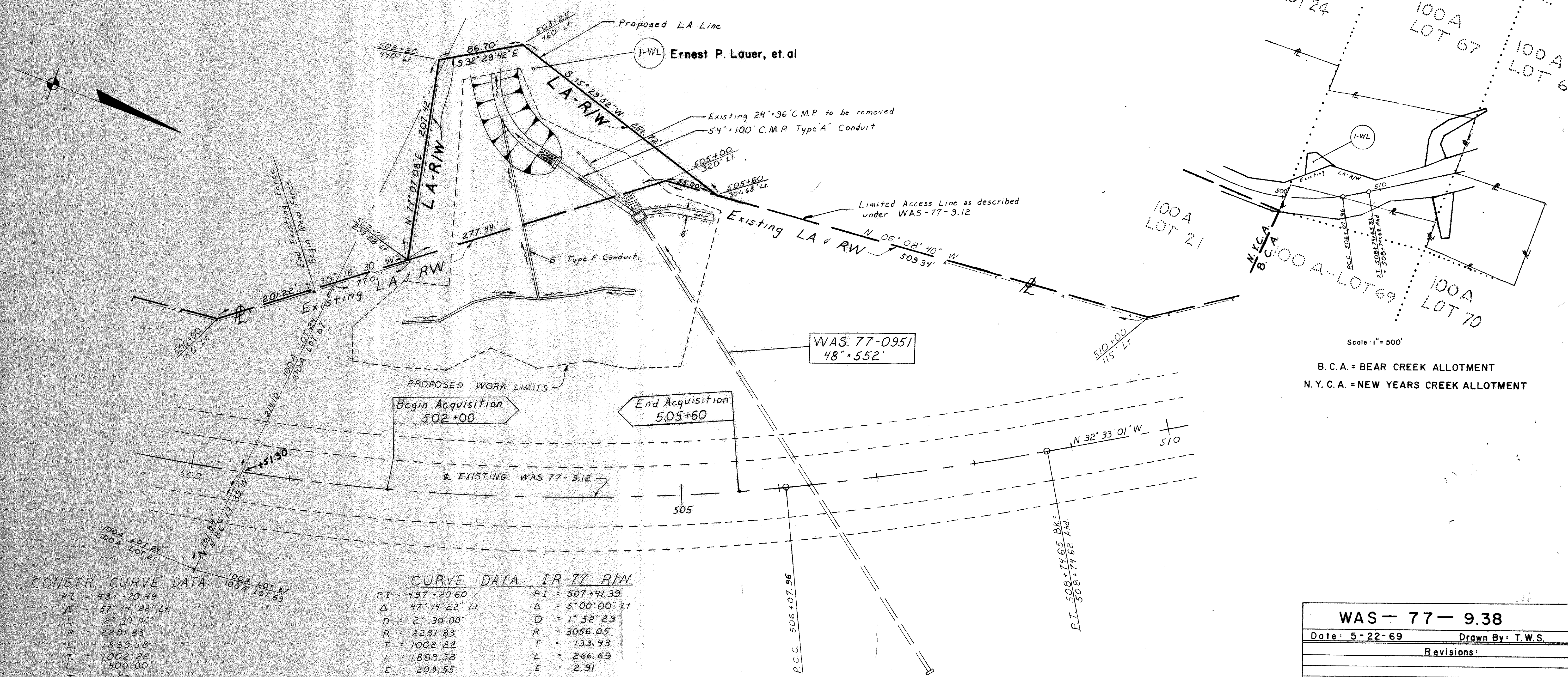
FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

WAS-77-9.38

16
16
2
2

PARCEL NO.	OWNERS	DEED RECORD			DEED AREA	TOTAL P.R.O.	TOTAL TAKE	P.R.O. IN TAKE	NET TAKE	NET RES. LT.	NET RES. RT.	BLDG TO BE ACQ'D	SHEET NO.	REMARKS	OTHER DESIGNATED EASEMENTS	TYPE FUND
		BOOK	PAGE	DATE												
I-WL	ERNEST P. LAUER, et. al.	245 370	559 156	— 5-13-67	63.02	3.44	0.81	0.00	0.81	58.77	—	0	2	The total deed area covers all contiguous property in Lot 24, 67, & 68.		STATE

PROPERTY PLAN WASHINGTON COUNTY SALEM TOWNSHIP T-4-N, R-8-W



Scale: 1" = 500'
B.C.A. = BEAR CREEK ALLOTMENT
N.Y.C.A. = NEW YEARS CREEK ALLOTMENT

CONSTR CURVE DATA:

PI	= 497+70.49
Δ	= 57° 14' 22" Lt
D	= 2° 30' 00"
R	= 2291.83
L	= 1889.58
T	= 1002.22
L _s	= 400.00
T	= 1452.11
E _s	= 322.31
θ _s	= 5° 00' 00"
L.T.	= 266.77'
S.T.	= 133.43'

CURVE DATA: IR-77 RW

PI	= 497+20.60	PI	= 507+41.39
Δ	= 47° 14' 22" Lt	Δ	= 5° 00' 00" Lt
D	= 2° 30' 00"	D	= 1° 52' 29"
R	= 2291.83	R	= 3056.05
L	= 1002.22	T	= 133.43
L	= 1889.58	L	= 266.69
E	= 209.55	E	= 2.91

WAS-77-9.38	
Date: 5-22-69	Drawn By: T.W.S.
Revisions:	
	2
	2