

CONVENTIONAL SIGNS

PROPERTY LINE	=====
CENTER LINE	-----
FENCE LINE (PROPOSED) (EXISTING)	-o-o-x-x-
GUARD RAIL (PROPOSED) (EXISTING)	•••••
POWER POLES	⊗ ⊗ ⊗ ⊗ ⊗
TELEPHONE POLES	⊗ ⊗ ⊗ ⊗ ⊗
TREES AND STUMPS	⊗ ⊗ ⊗ ⊗ ⊗
RIGHT OF WAY (PROPOSED)	===== R/W =====
CONSTRUCTION OR WORK LIMITS	-----
EXISTING RIGHT OF WAY	===== EX. R/W =====

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LINE DATA

TOWNSHIP ROAD 72 (SHURZ ROAD) LIMITS:
 BEGIN STA. 101+00 — END STA. 116+50 = 1550 L.F. = .294 MI.

SHURZ ROAD CONN. SOUTH LIMITS:
 BEGIN STA. 0+10 — END STA. 1+00 = 90 L.F. = .017 MI.

SHURZ ROAD CONN. NORTH LIMITS:
 BEGIN STA. 0+10 — END STA. 1+25 = 115 L.F. = .024 MI.

DRAINAGE DITCH at STA. 104+75.00 LIMITS:
 BEGIN STA. 9+25 — END STA. 10+50 = 125 L.F. = 0.24 MI.

ELK CREEK CHANNEL LIMITS:
 BEGIN STA. 9+25 — END STA. 10+75 = 150 L.F. = 0.28 MI.

BUTLER COUNTY

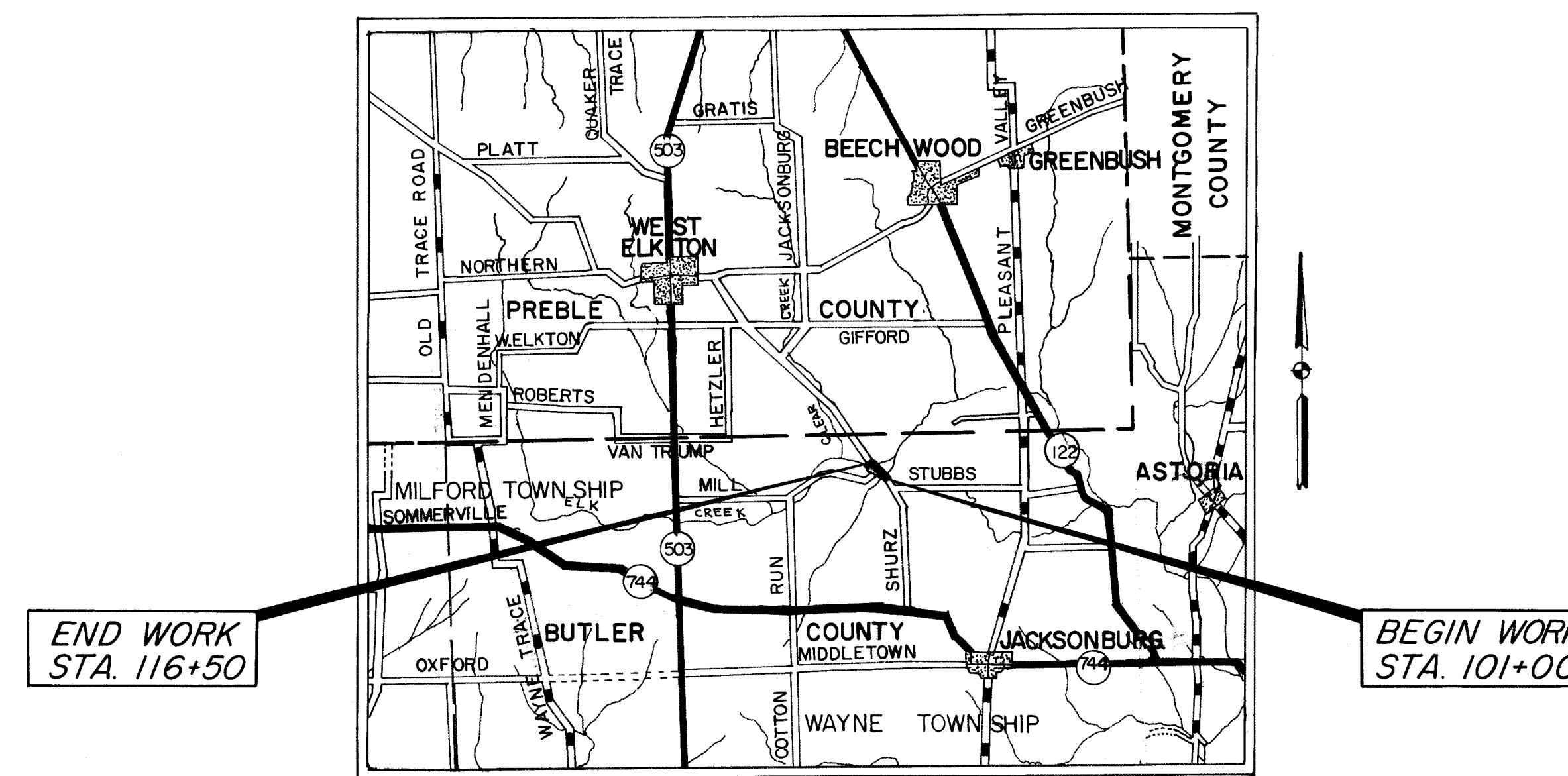
WAYNE TOWNSHIP

TOWNSHIP ROAD 72

OVER

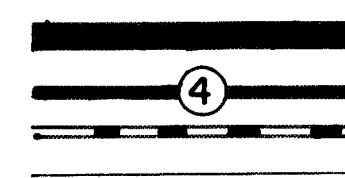
ELK CREEK

PLANS PREPARED BY
 STICKLEN-BELSHEIM & ASSOCIATES
 CONSULTING ENGINEERS
 WORTHINGTON, OHIO



LOCATION MAP

0 1 2 3
 SCALE OF MILES



PORTION TO BE IMPROVED
 STATE & U.S. HIGHWAYS
 COUNTY ROADS
 TOWNSHIP ROADS

LISTING OF STATE OF OHIO STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS FOR USE ON THIS PROJECT

STANDARD CONSTRUCTION DRAWINGS					SUPPLEMENTAL SPECIFICATIONS	
		GR-6	6-1-65	F-1	6-1-65	805
BP-5	6-1-65	HW-E	6-1-65	F-2	6-1-65	825
BP-6	6-1-65	MC-1	10-1-67			
GR-1	1-1-67	MC-3	11-1-68			
GR-2A	1-1-67	MC-4	6-1-65			

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF HIGHWAYS, DATED JANUARY 1, 1969, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS PROJECT.

APPROVED BY

Arthur F. Reiff P.E. Feb 3, 1971
 County Engineer
 Butler County, Ohio

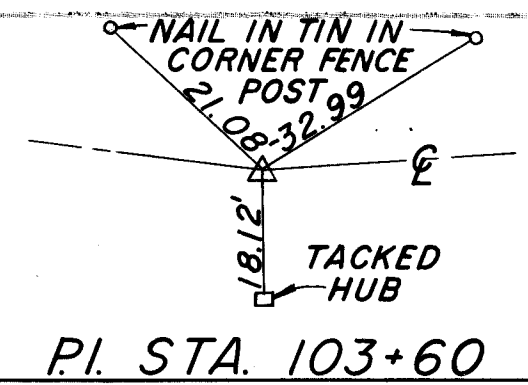
Approved by the Board of County Commissioners
 Butler County, Ohio

2-11-71 *William W. Donham* PRESIDENT

Date: *Arthur F. Reiff*
 Date: *Arthur F. Reiff*

Plans prepared under the direction of:

Arthur F. Reiff
 REGISTERED ENGINEER 1336 OHIO



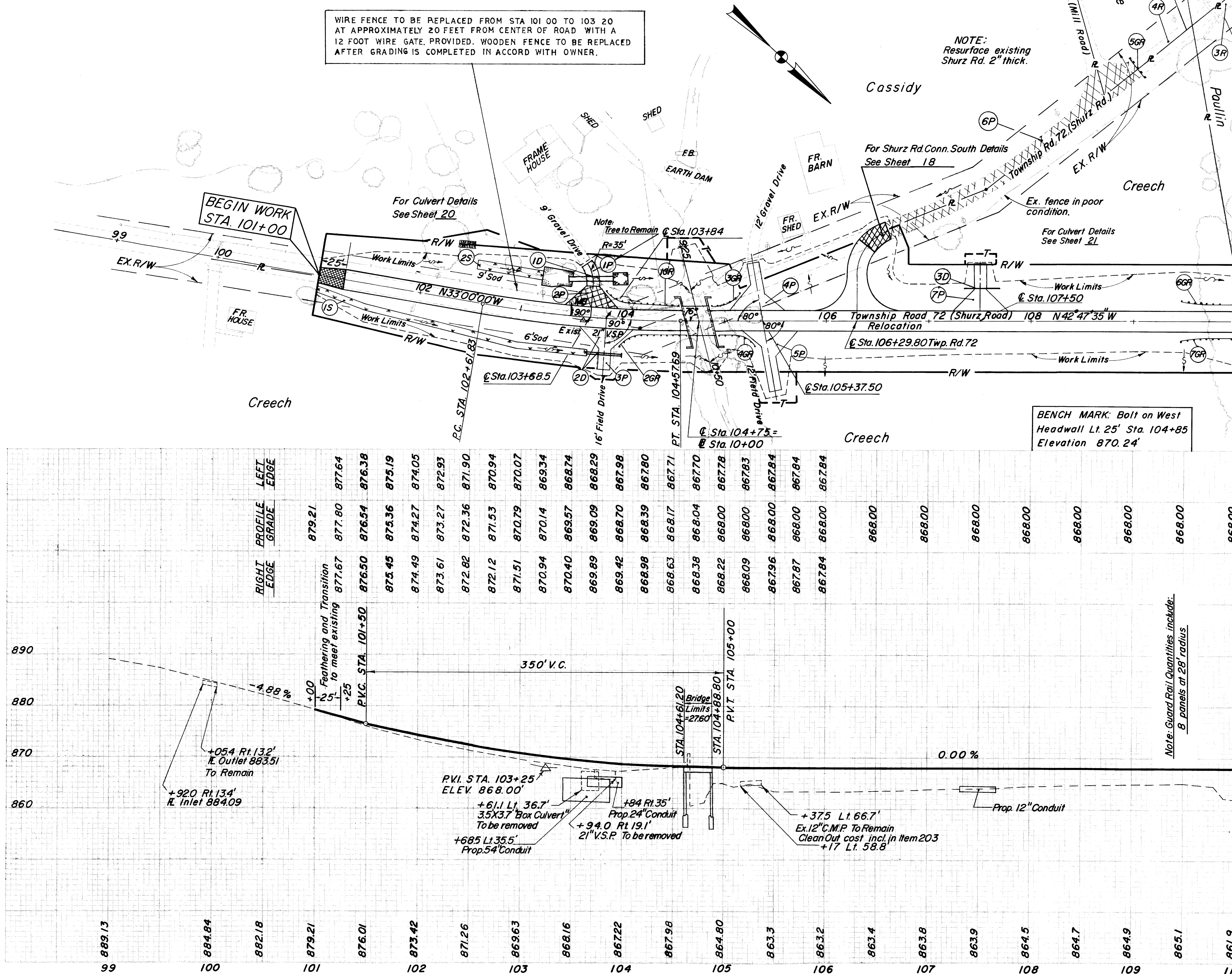
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

BUTLER COUNTY

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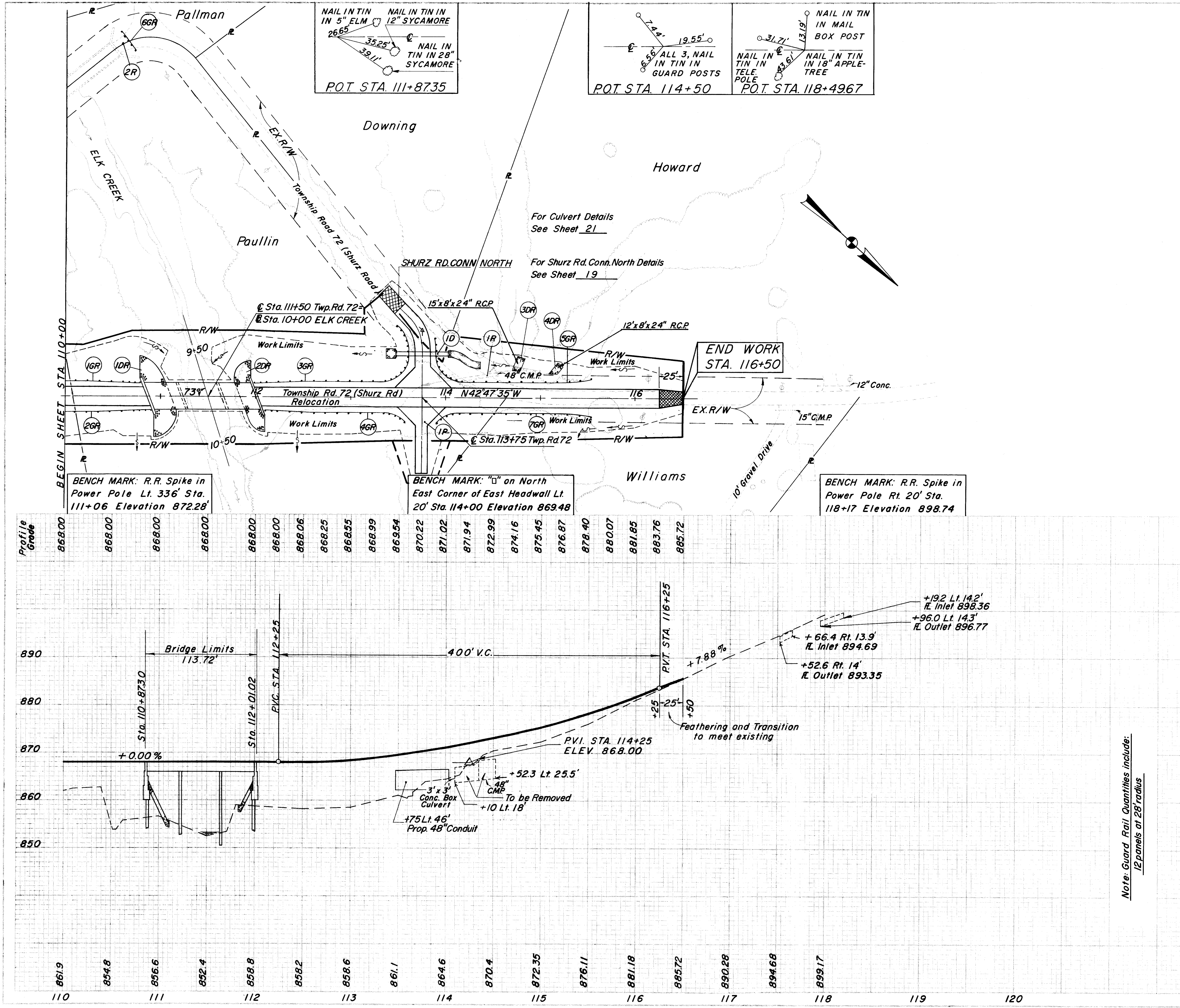
NOTE:
Resurface existing
Shurz Rd. 2" thick.



Item No		Station to Station	Side	202 Pipe Removed Under 24"	202 Existing Bituminous Pavement Removed	202 Portion of Existing Structure Removed	202 Existing Drainage Structure Removed	606 Guard Rail Type 4	601 Type "B" Rock Channel Protection	601 Riprap	602 Concrete Masonry	603 54" Conduit Type "D"	603 24" Conduit Type "D"	603 12" Conduit Type "D"	660 Sodding	304 Aggregate Base	404 Asphalt Concrete	408 Bituminous Prime Coat	See Sheet Number
ESTIMATED QUANTITIES																			
END SHEET STA. 110+00																			
ROADWAY																			
3R	109+00	110+00	LT																
4R	109+00	TO 109+75	LT		160	LUMP													
16R	103+8250	TO 104+57.71	LT					76.97											
26R	103+92.50	TO 104+64.69	RT					70.43											
36R	104+85.31	TO 105+20.50	LT					32.93											
46R	104+92.29	TO 105+29	RT					39.47											
56R	109+00		LT					25											
66R	109+48.02	TO 110+00	LT					51.98											
76R	109+46.46	TO 110+00	RT					53.54											
DRAINAGE																			
1D	103+43.40	TO 103+88.70	LT				LUMP		14	56.2	1.92	44	34	36	179				20
2D	103+62.50	TO 104+00.50	RT	21							.82				65				20
3D	103+32.50	TO 103+68.50	LT																21
1S	101+00	TO 103+67.50	RT																
2S	102+53.40	TO 103+68.40	LT																
PAVEMENT																			
1P	DRIVE AT 103+68.50		LT													6.7	4.0	28.4	3,10
2P	DRIVE AT 103+68.50		LT													9.9			3,10
3P	DRIVE AT 103+84		RT													16.3			3,10
4P	DRIVE AT 105+37.50		LT													18.5			3,10
5P	DRIVE AT 105+37.50		RT													21.6			3,10
6P	EX. SHURZ RD. 106+60.16		LT																
7P	109+00		LT													17.4	28.8	51.9 *	3,11
7P	DRIVE AT 107+50		LT		160	Lump	Lump		14	56.2	2.74	44	34	36	244	90.4	328	80.3	
TOTALS				21	160	Lump	Lump	350.32	14	56.2	2.74	44	34	36	244	90.4	328	80.3	

* PRIME COAT at 0.1 gal./sq.yd. † One - 2" Course of Resurfacing

TOWNSHIP ROAD 72 PLAN & PROFILE STA. 100+00 TO 110+00



Note: Guard Rail Quantities include:
12 panels at 28' radius

See Sheet Number	21	3,13
304 Aggregate Base		23.0
603 48" Conduit Type "D"	56	56
602 Concrete Masonry	1.72	1.72
601 Riprap	34.8	34.8
601 Type "B" Rock Channel Protection	8	254
606 Guard Rail Type 4	81.93	92.67
202 Existing Culvert Removed	214.87	152.57
202 Existing Bituminous Pavement Removed	200	25
202 Existing Bituminous Pavement Removed	162.5	
TOTALS	30	929.54

Station to Station	Side
ROADWAY	
1R 114+06 TO 114+54	LT.
2R 110+50 TO 110+65	LT.
1GR 110+00 TO 110+193	LT.
2GR 110+00 TO 110+267	RT.
3GR 114+95.65 TO 113+60	LT.
4GR 112+06.39 TO 113+58	RT.
5GR 113+87.5 TO 115+54	LT.
6GR 110+60	LT.
7GR 113+91.5 TO 115+53.21	RT.
DRAINAGE	
1D 113+47 TO 114+03	LT.
1DR 110+78.5 TO 111+16.5	
2DR 111+79 TO 112+10	
3DR 114+75	
4DR 115+16	
PAVEMENT	
1P DRIVE AT 113+75	RT.

ESTIMATED QUANTITIES

STATION to STATION	SIDE	607 FENCE Lin.Ft.		601 ROCK CHANNEL PROTECTION	
		TYPE	RECONST.	CU. YDS.	
101+00 to 102+62	LT.	198	WOODEN	7	
102+62 to 103+42	LT.		76		
103+63 to 104+30	LT.		64		
TOTAL		198 lf.	140 lf.	7 cy.	

CURVE DATA: P.I. STA. 103+60.00 BACK - STA. 103+59.52 AHEAD
 $\Delta = 9^\circ - 47' - 35''$
 $Dc = 5^\circ - 00' - 00''$
 $R = 1145.92'$
 $T = 98.17'$
 $L = 195.86'$
 $E = 4.20'$

WIRE FENCE TO BE REPLACED FROM STA 101+00 TO 103+20 AT APPROXIMATELY 20 FEET FROM CENTER OF ROAD WITH A 12 FOOT WIRE GATE PROVIDED. WOODEN FENCE TO BE REPLACED AFTER GRADING IS COMPLETED IN ACCORD WITH OWNER.

WILLIAM J. CASSIDY
and
JULIA R. CASSIDY

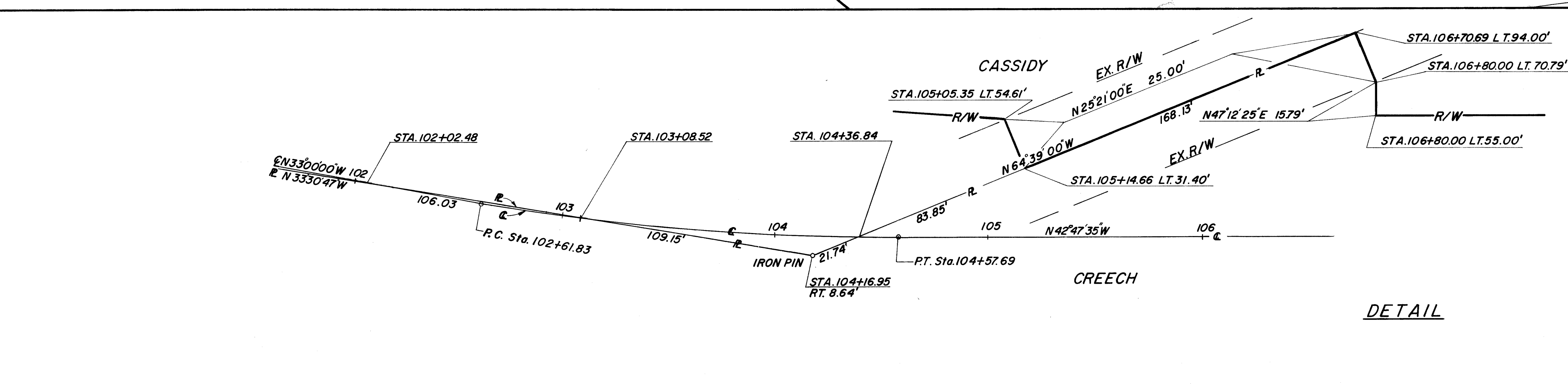
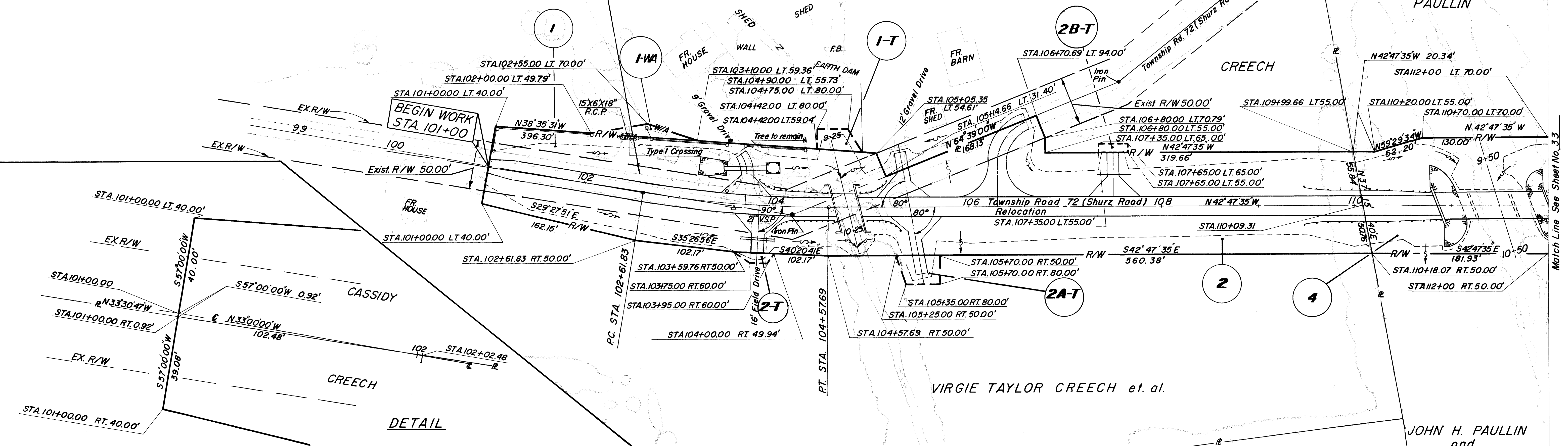
CHARLES R. PALLMAN

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

BUTLER COUNTY

CHARLES ROBERT PALLMAN and MARY PALLMAN

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WAYNE TOWNSHIP
T-3 R-3
SECTION 3

For Summary of Additional Right of Way
See Sheet 33

For Fence Details
See Sheet No. 4

Plans Prepared By
STICKLEN-BELSHEIM & ASSOCIATES
Consulting Engineers
WORTHINGTON, OHIO

CHARLES R. PALLMAN

ROBERT PALLMAN AND
MARY PALLMAN

CORDELL H. DOWNING, JR.

FRANK HOWARD
and
MARY F. HOWARD

Wayne Township
T-3 R-3
Section 3

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

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BUTLER COUNTY

SUMMARY OF ADDITIONAL RIGHT OF WAY

PARCEL NO.	OWNER	RECORDED BOOK PAGE	DEED AREA	GROSS TAKE	PRO. INTAKE	NET TAKE LAND	NET RESIDUE LT. RT.	REMARKS
1	William J. Cassidy and Julia R. Cassidy	894 516	24.02	0.49	0.24	0.25	23.53 —	
1-T				0.02				
1-WA				0.018				
2	Virgie Taylor Creech et al.	841 6	13.25	1.70	0.34	1.36	0.93 10.62	
2-T				0.008				
2A-T				0.027				
2B-T				0.007				
4	John H. Paullin and John R. Paullin	890 251	5.039	1.16	0.08	1.08	1.73 2.15	
4-T				0.046				
6	Frank Howard and Mary F. Howard	577 235	56.46	0.28	0.15	0.13	56.18 —	
7	Rolly Williams and Carmita Williams	868 395	5.797	0.18	0.11	0.07	5.62 —	

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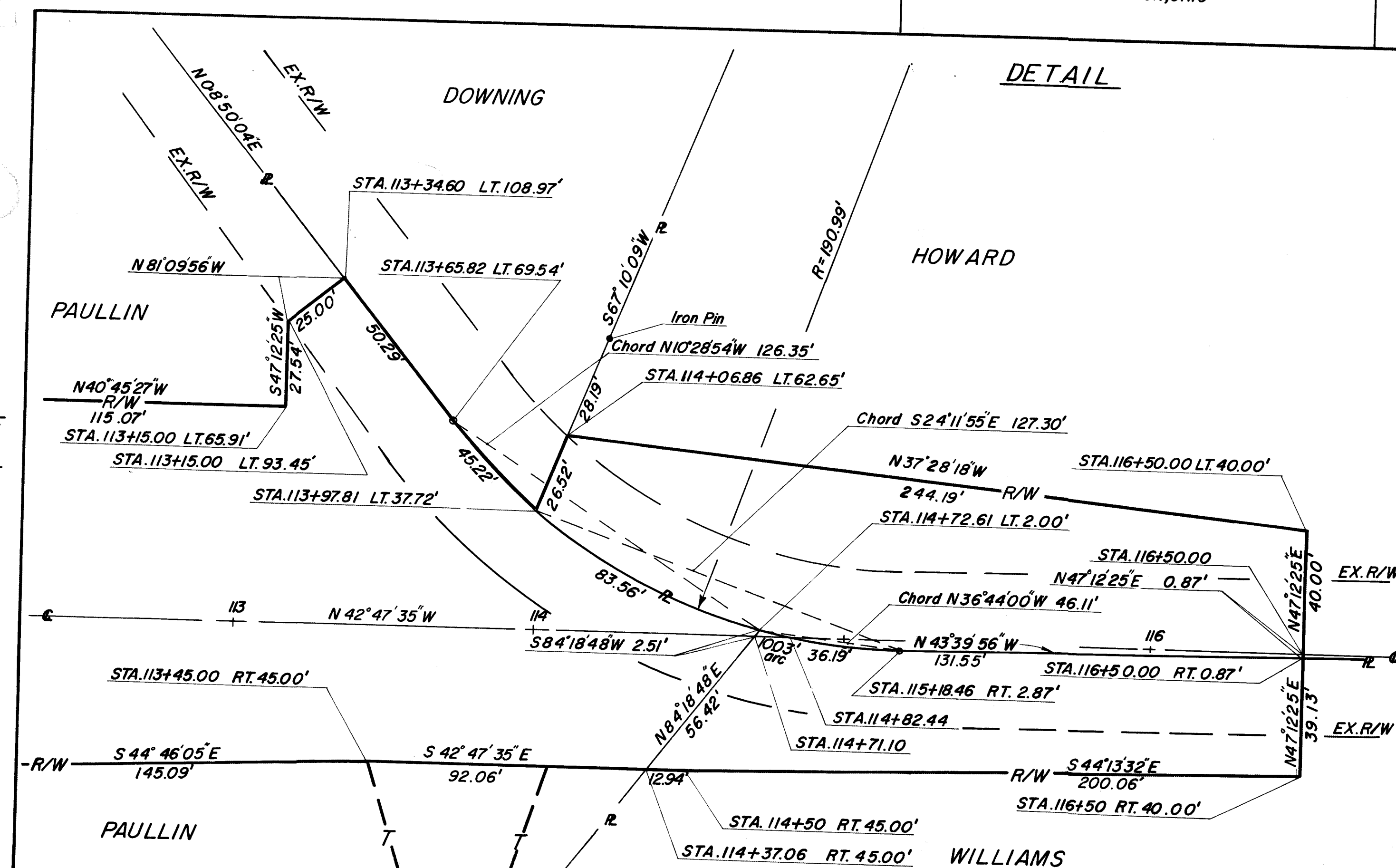
JOHN H. PAULLIN
and
JOHN R. PAULLIN

ROLLY WILLIAMS
and
CARMITA WILLIAMS

GILBERT THEODORE
and
WILDA THEODORE

For Fence Details
See Sheet No. 4

DETAIL



TOWNSHIP ROAD 72 RIGHT OF WAY PLAN