

**STATE OF OHIO
DEPARTMENT OF TRANSPORTATION**

BEL-149-23.77

**UNION TOWNSHIP
BELMONT COUNTY**

PROJECT DESCRIPTION

IMPROVEMENT OF 389.44' (0.07 MILES) OF TR 1569 AND 1410' (0.27 MILES) OF SR 149 IN BELMONT COUNTY BY THE CONSTRUCTION OF NEW PAVEMENT AND SHOULDERS ON TR 1569 AND THE WIDENING OF SR 149 TO ADD BOTH LEFT AND RIGHT TURN LANES INCLUDING ADDING A SIGNAL AT THE INTERSECTION OF TR 1569 AND SR 149.

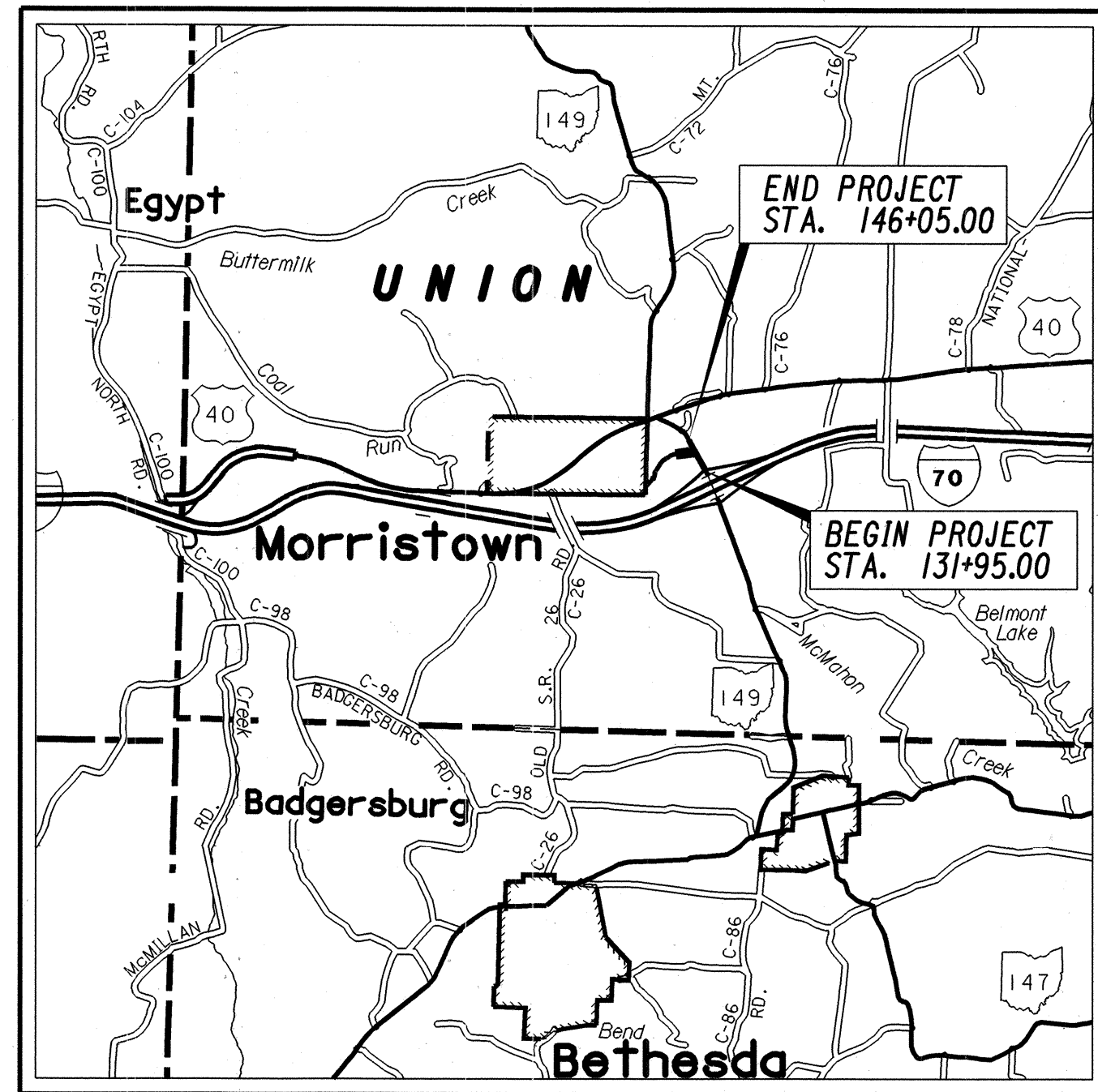
2002 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT THE PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

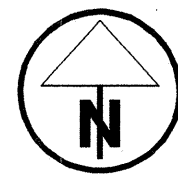
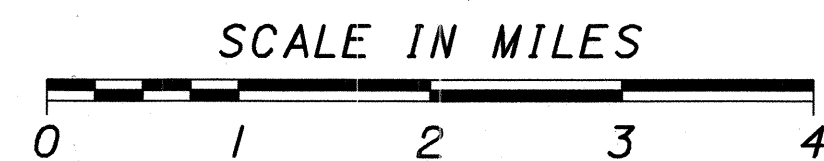
APPROVED _____
DATE _____ DISTRICT DEPUTY DIRECTOR

APPROVED _____
DATE _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION



LOCATION MAP

LATITUDE: N40°03'45" LONGITUDE: W81°03'15"



PORTION TO BE IMPROVED _____
STATE & FEDERAL ROUTES _____
OTHER ROADS _____

FOR DESIGN DESIGNATION & DESIGN EXCEPTIONS - SEE SHEET NO. 2.

PROJECT EDA _____ 1.38 Acres
CONTRACTOR EDA _____ 0.47 Acres
NOI EDA _____ 4.90 Acres

INDEX OF SHEETS

TITLE SHEET	1
SCHEMATIC PLAN	2
TYPICAL SECTIONS	3-5
GENERAL NOTES	6-7
MAINTENANCE OF TRAFFIC	8-21, 9A
GENERAL SUMMARY	22-23
CALCULATIONS	24-27
PLAN AND PROFILE	28-33
ESTIMATED QUANTITIES	34-35
PAVEMENT TRANSITION TABLE	36
INTERSECTION DETAIL	37
CROSS SECTIONS	38-53
DRIVE DETAILS	54-56
DRAINAGE DETAILS	57-58
TRAFFIC CONTROL	59-65
TRAFFIC SIGNAL	66-77
RIGHT OF WAY	78-84

UNDERGROUND UTILITIES
TWO WORKING DAYS
BEFORE YOU DIG
CALL 1-800-362-2764 (TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

PLAN PREPARED BY:
O.D.O.T.
DISTRICT 11
NEW PHILADELPHIA, OHIO

ENGINEERS SEAL:

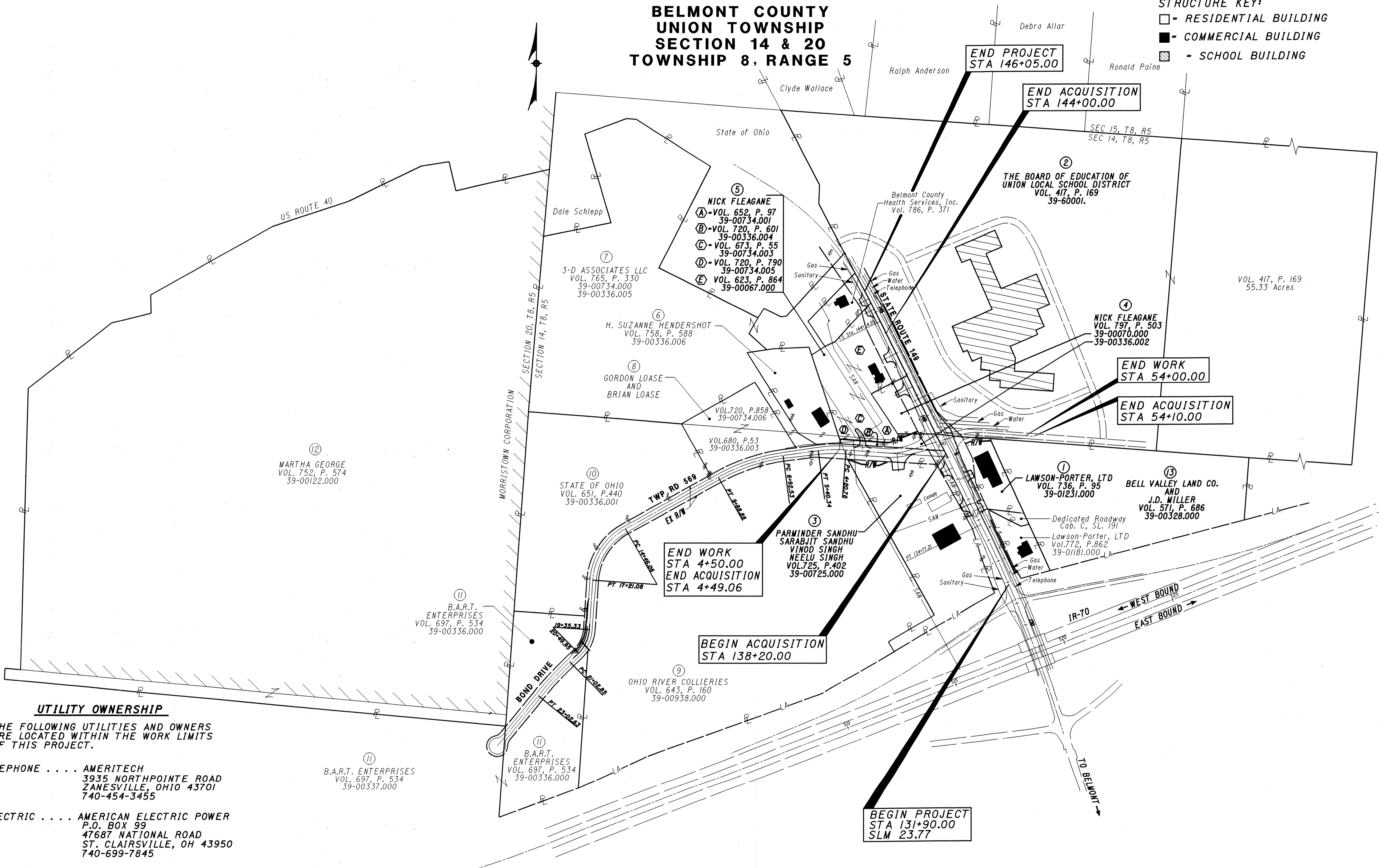
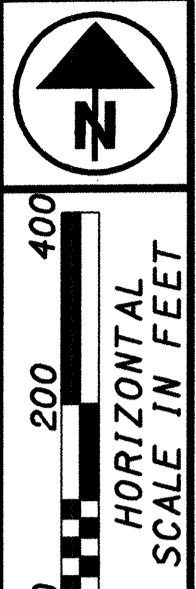
SIGNED:
DATE:

STANDARD CONSTRUCTION DRAWINGS										SUPPLEMENTAL SPECIFICATIONS	
BP-3.1	7-16-04	GR-1.1	7-16-04	MT-97.12	4-19-02	TC-42.10	1-19-01	TC-83.10	5-01-00	832	4-17-04
						TC-42.20	7-16-04			833	2-12-03
BP-4.1	7-16-04	GR-2.1	1-16-04	MT-101.20	10-18-02			TC-83.20	1-16-04	908	4-18-03
						TC-52.10	4-20-01			1003	4-19-02
BP-5.1	7-28-00	GR-4.1	4-18-03	MT-101.60	10-18-02	TC-52.20	4-20-01	TC-84.20	5-01-00	1046	1-16-04
CB-1.1	7-19-02							TC-84.21	3-06-00	1048	4-19-02
CB-2.1	7-19-02	HW-2.1	7-19-02	MT-105.10	10-18-02	TC-65.10	10-19-01			1049	1-17-03
CB-2.2	7-19-02	HW-2.2	7-19-02	MT-105.11	10-18-02	TC-65.12	10-19-01	TC-85.20	5-01-00	1063	4-19-02
CB-2.3	7-19-02										
CB-3.1	7-19-02	MH-1.2	7-19-02	MT-120.00	3-01-00	TC-71.10	4-19-02	SPECIAL PROVISIONS			
DM-1.1	7-18-03			HL-30.11	4-19-02	TC-73.10	1-19-01				
DM-1.2	7-19-02										
DM1.4	7-19-02			TC-41.10	1-19-01	TC-81.10	5-01-00				
DM-4.3	7-19-02			TC-41.20	1-19-01						
DM-4.4	7-19-02					TC-82.10	4-19-02				

FEDERAL PROJECT NO. E040932
PID NO. 76265
CONSTRUCTION PROJECT NO.
RAILROAD INVOLVEMENT NONE
BEL-149-23.77
1/84

**BELMONT COUNTY
UNION TOWNSHIP
SECTION 14 & 20
TOWNSHIP 8, RANGE 5**

STRUCTURE KEY:
 □ - RESIDENTIAL BUILDING
 ■ - COMMERCIAL BUILDING
 ▩ - SCHOOL BUILDING



P.L.D. NO. 76265

STATE PROJECT NO. 515547

PROPERTY MAP AND UTILITY PLAN

BEL-149-23.91

UTILITY OWNERSHIP

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT.

- TELEPHONE AMERITECH
3935 NORTHPOINTE ROAD
ZANESVILLE, OHIO 43701
740-454-3455
- ELECTRIC AMERICAN ELECTRIC POWER
P.O. BOX 99
47687 NATIONAL ROAD
ST. CLAIRSVILLE, OH 43950
740-699-7845
- WATER BELMONT COUNTY SANITARY
SEWER DISTRICT
P.O. BOX 457
ST. CLAIRSVILLE, OHIO 43950
740-695-3144
- GAS COLUMBIA GAS OF OHIO
2429 LINDEN AVE.
ZANESVILLE, OHIO 43701

- B.A.R.T. ENTERPRISES
VOL. 697, P. 534
39-00337.000
- B.A.R.T. ENTERPRISES
VOL. 697, P. 534
39-00336.000
- CABLE TV COMCAST
908 NATIONAL ROAD
P.O. BOX 469
BRIDGEPORT, OHIO 43912
740-699-5635

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 O.R.C.

DII-SWL	05/05/04	FIVE SHEETS WERE ELIMINATED AND REMAINING SHEETS WERE RENUMBERED	1 / 7
DII-SWL	05/05/04	PARCELS 6, 7, 8, 9, 10, 11 & 12 WERE ELIMINATED	
DII-SWL	02/25/04	REVISED TOPO	78
REV. DATE		DESCRIPTION	84
DATE OF COMPLETION		12/08/2003	

TOTAL NUMBER OF:
 5 OWNERSHIPS
 0 TOTAL TAKES
 0 OWNERSHIPS WITH STRUCTURES INVOLVED
 0 OWNERSHIPS WITH "P" ITEMS

SUMMARY OF ADDITIONAL RIGHT OF WAY

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

PARCEL NO.	OWNER	SHEET NO.	OWNERS BOOK	RECORD PAGE	AUDITOR'S PARCEL	RECORD AREA(AC.)	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS AND PERSONALTY	AS ACQUIRED	
												LEFT	RIGHT			BOOK	PAGE
1SH	LAWSON - PORTER, LTD. A LIMITED LIABILITY COMPANY	5	736	95	39-01231.000	1.575	0	0.045	0	0.045	-		1.521	STATE	* Signs (2)	798	553
			772	862	39-01181.000	0.822									Tract Not Involved * Vent Pipes		
2T	THE BOARD OF EDUCATION OF UNION LOCAL SCHOOL DISTRICT	5, 6, 12	417	169	39-60001.000	45.000 55.330	1.072	0.805	0	0.805			45.000		For Drive Connection, Grading, Seeding and Provide Work Area Tract Not Involved		
3SH	VINOD SINGH AND NEELU SINGH PARMINDER J. SANDHU AND SARABJIT SANDHU	5, 7	725 681	402 171	39-00725.000	5.383	0	0.051	0	0.051	-	5.332			* Signs (5)	801	307
3T								0.172	0	0.172					For Drive Connection, Grading, Seeding and Provide Work Area		
4SH	NICK FLEAGANE	5, 7	797	503	39-00070.000	0.871	0.403	0.004	0	0.004	-	0.464				801	312
	TOTAL 4SH		797	503	39-00336.002	0.465	0.151	0.177	0	0.177		0.137					
						1.336	0.554	0.181	0	0.181		0.601					
4T		5, 6			39-00070.000			0.036	0	0.036					For Drive Connection and Provide Work Area		
5SH	NICK FLEAGANE	5, 7	652	97	39-00734.001	0.632	0	0.003	0	0.003	-	0.629				801	302
5SH-1		7	720	601	39-00336.004	0.305	0	0.087	0	0.087	-	0.218					
5T		7	673	55	39-00734.003	0.955	0	0.050	0	0.050		0.955			For Drive Connection, Grading, Seeding and Provide Work Area		
			720	790	39-00734.005	0.209	0	0.004	0	0.004		0.209					
	TOTAL 5T		720	601	39-00336.004	0.305		0.039	0	0.039							
								0.093	0	0.093							
			623	864	39-00067.000	1.16	0.530								Tract Not Involved		
6	(NOT USED)																
7	(NOT USED)																
8	(NOT USED)																
9	(NOT USED)																
10	(NOT USED)																
11	(NOT USED)																
12	(NOT USED)																
13T	BELL VALLEY LAND CORPORATION, INC. AN OHIO CORPORATION and J.D. MILLER	12	571	686	39-00328.000	16.182	0	0.055	0	0.055	-	16.182			For Grading, Seeding and Provide Work Area		
			550	961													
														STATE			

NOTES:

UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

* - ENCROACHMENT

ALL TEMPORARY PARCELS ARE TO BE FOR 12 MONTHS DURATION.

GRANTEE: ALL RIGHT OF WAY ACQUIRED IN THE NAME OF STATE OF OHIO UNLESS OTHERWISE SHOWN.

DII-SML	10/12/04	RECORDING DATA ADDED
DII-SML	05/05/04	SHEETS RENUMBERED
DII-SML	05/05/04	PARCEL 4 OWNERS RECORD BOOK AND PAGE WAS REVISED
DII-SML	05/05/04	PARCELS 6, 7, 8, 9, 10, 11, AND 12 WERE REMOVED
DII-SML	02/25/04	PARCELS 1SH, 3T, 4SH, 5SH, 5SH-1 REVISED and 3SH ADDED
REV.	DATE	DESCRIPTION
	DATE OF COMPLETION	12/08/2003

FEDERAL PROJECT NO. NON-FEDERAL

PID NO. 76265

STATE PROJECT NO. 515547

SUMMARY OF ADDITIONAL RIGHT OF WAY

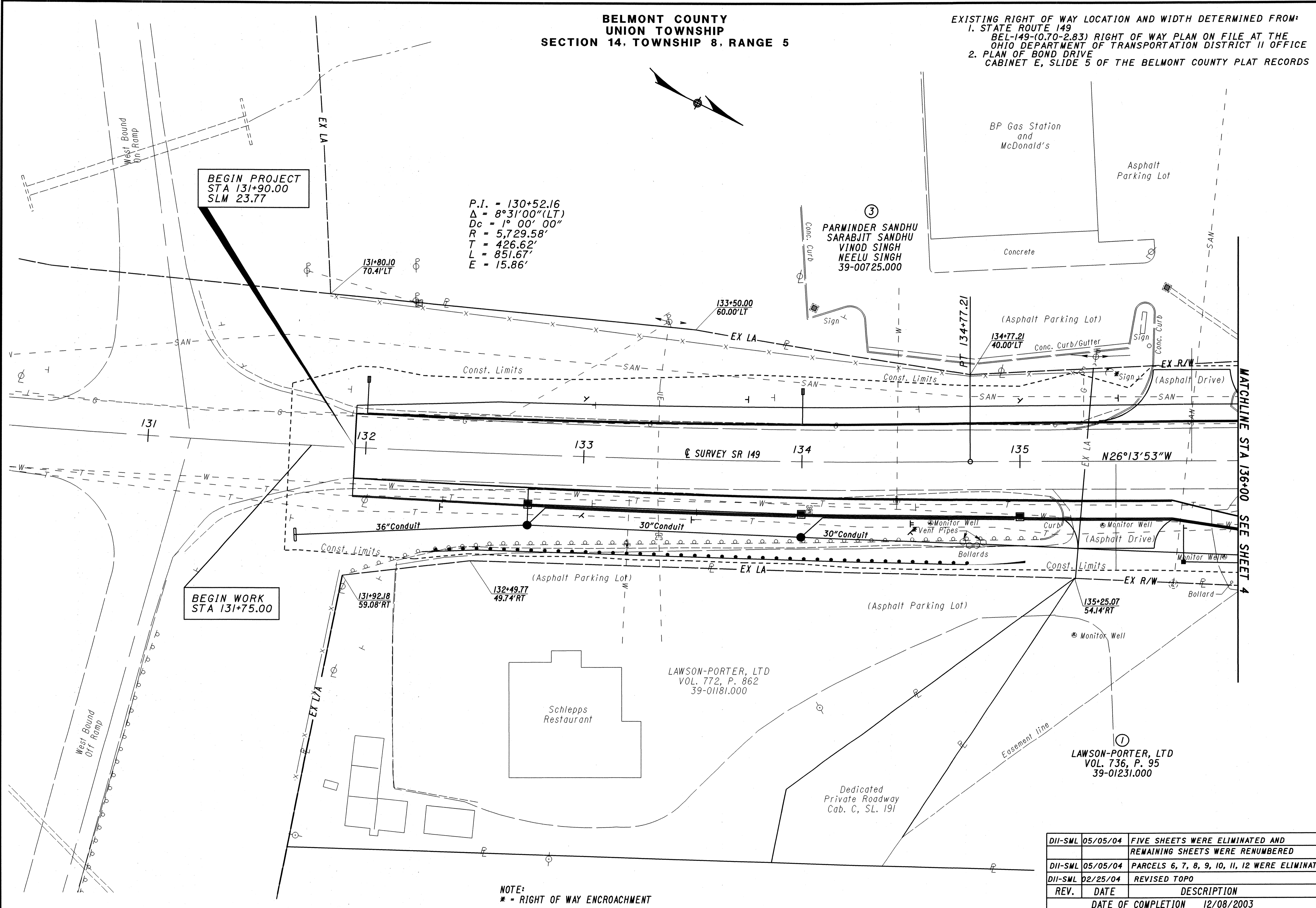
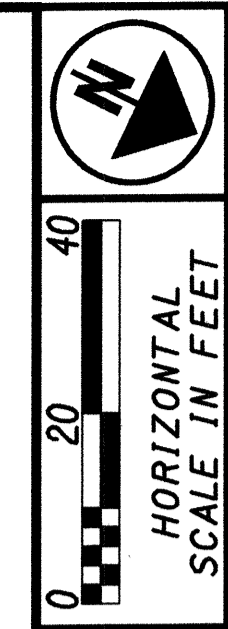
BEL-149-23.91

2 / 7

79
84

BELMONT COUNTY
UNION TOWNSHIP
SECTION 14, TOWNSHIP 8, RANGE 5

EXISTING RIGHT OF WAY LOCATION AND WIDTH DETERMINED FROM:
1. STATE ROUTE 149
BEL-149-(0.70-2.83) RIGHT OF WAY PLAN ON FILE AT THE
OHIO DEPARTMENT OF TRANSPORTATION DISTRICT II OFFICE
2. PLAN OF BOND DRIVE
CABINET E, SLIDE 5 OF THE BELMONT COUNTY PLAT RECORDS



BEGIN PROJECT
STA 131+90.00
SLM 23.77

P.I. = 130+52.16
Δ = 8°31'00" (LT)
Dc = 1° 00' 00"
R = 5,729.58'
T = 426.62'
L = 851.67'
E = 15.86'

BEGIN WORK
STA 131+75.00

PID NO.
76265

STATE PROJECT NO.
515547

RIGHT OF WAY PLAN
STA 131+00 TO STA 136+00

BEL-149-23.91

NOTE:
* = RIGHT OF WAY ENCROACHMENT

DII-SML	05/05/04	FIVE SHEETS WERE ELIMINATED AND REMAINING SHEETS WERE RENUMBERED	3 / 7
DII-SML	05/05/04	PARCELS 6, 7, 8, 9, 10, 11, 12 WERE ELIMINATED	
DII-SML	02/25/04	REVISED TOPO	
REV.	DATE	DESCRIPTION	
		DATE OF COMPLETION 12/08/2003	

80
84

**BELMONT COUNTY
UNION TOWNSHIP
SECTION 14, TOWNSHIP 8, RANGE 5**

EXISTING RIGHT OF WAY LOCATION AND WIDTH DETERMINED FROM:
1. STATE ROUTE 149
BEL-149-(0.70-2.83) RIGHT OF WAY PLAN ON FILE AT THE
OHIO DEPARTMENT OF TRANSPORTATION DISTRICT II OFFICE
2. PLAN OF BOND DRIVE
CABINET E, SLIDE 5 OF THE BELMONT COUNTY PLAT RECORDS

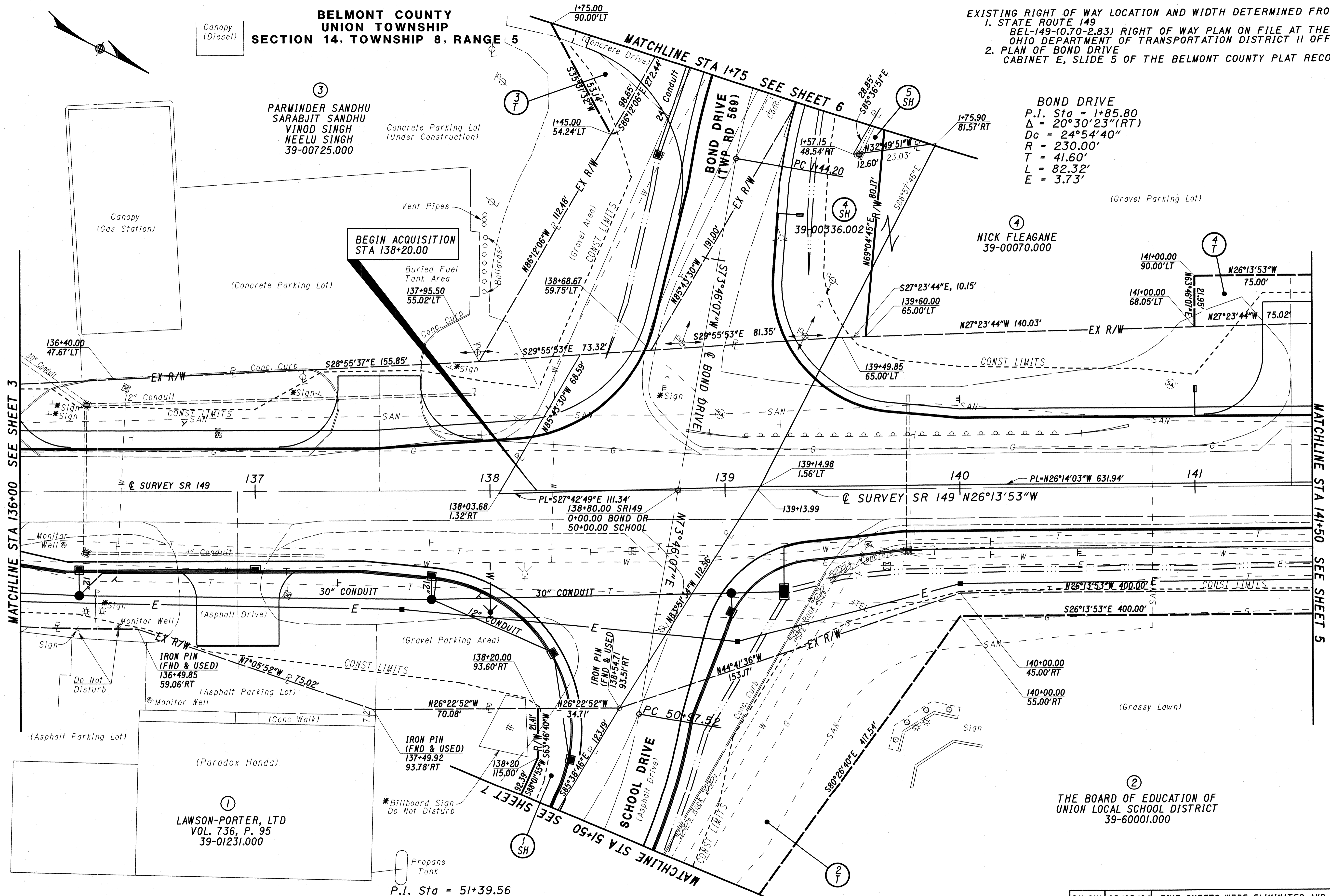
N

0 20 40
HORIZONTAL
SCALE IN FEET

PID NO. 76265
STATE PROJECT NO. 515547
RIGHT OF WAY PLAN
STA 136+00 TO STA 141+50
BEL-149-23.91

DII-SWL	05/05/04	FIVE SHEETS WERE ELIMINATED AND REMAINING SHEETS WERE RENUMBERED	4 / 7
DII-SWL	05/05/04	PARCELS 6, 7, 8, 9, 10, 11, 12 WERE ELIMINATED	
DII-SWL	02/25/04	PARCEL 1SH AND TOPO REVISED	
REV.	DATE	DESCRIPTION	
		DATE OF COMPLETION 12/08/2003	

81
84



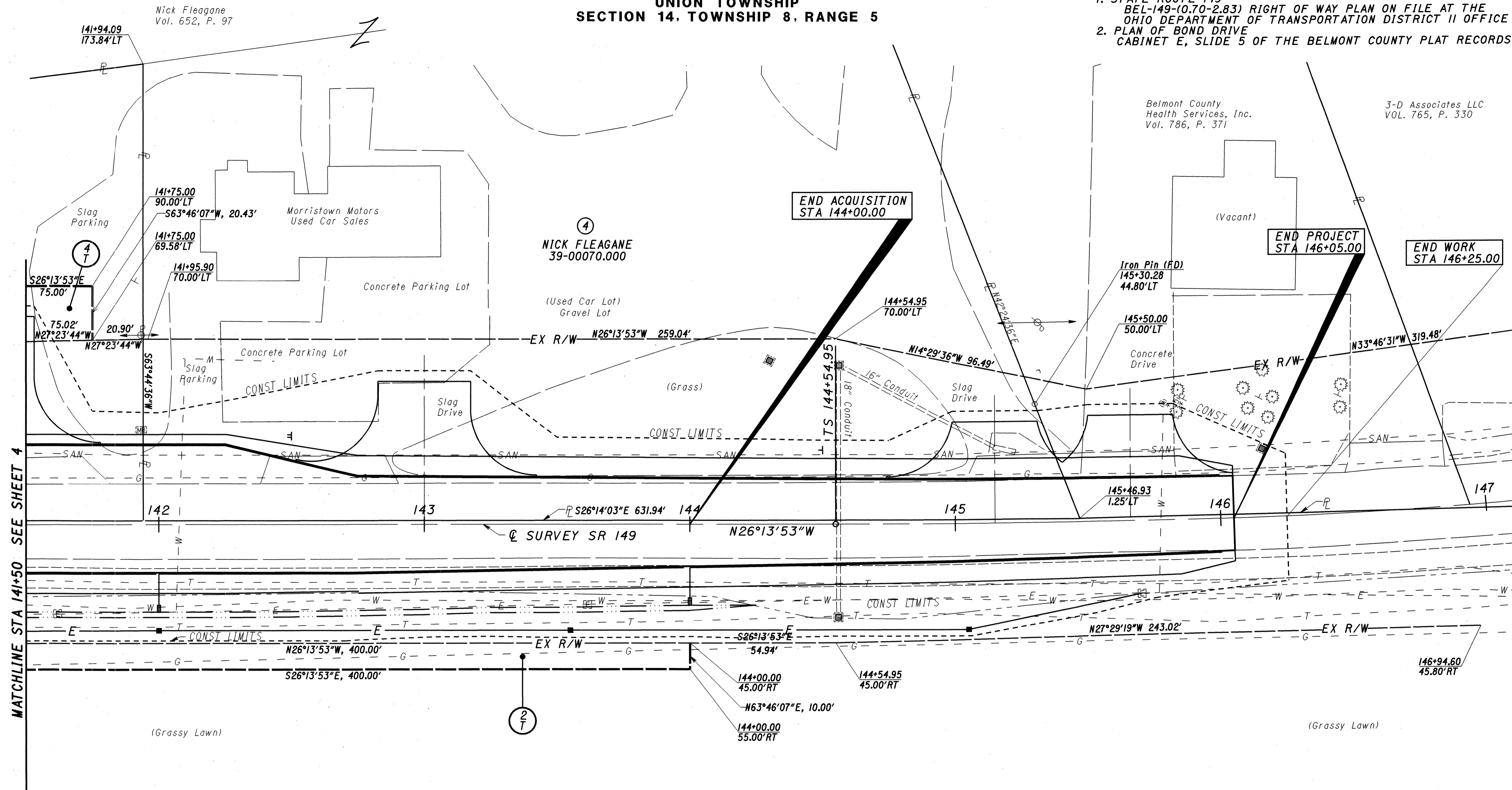
BOND DRIVE
P.I. Sta = 1+85.80
 $\Delta = 20^\circ 30' 23''$ (RT)
 $D_c = 24^\circ 54' 40''$
 $R = 230.00'$
 $T = 41.60'$
 $L = 82.32'$
 $E = 3.73'$

P.I. Sta = 51+39.56
 $\Delta = 20^\circ 43' 10''$ (RT)
 $D_c = 24^\circ 54' 40''$
 $R = 230.00'$
 $T = 42.05'$
 $L = 83.17'$
 $E = 3.81'$

NOTE:
* = ENCROACHMENT

**BELMONT COUNTY
UNION TOWNSHIP
SECTION 14, TOWNSHIP 8, RANGE 5**

EXISTING RIGHT OF WAY LOCATION AND WIDTH DETERMINED FROM:
1. STATE ROUTE 149
BEL-149-(0.70-2.83) RIGHT OF WAY PLAN ON FILE AT THE
OHIO DEPARTMENT OF TRANSPORTATION DISTRICT II OFFICE
2. PLAN OF BOND DRIVE
CABINET E, SLIDE 5 OF THE BELMONT COUNTY PLAT RECORDS



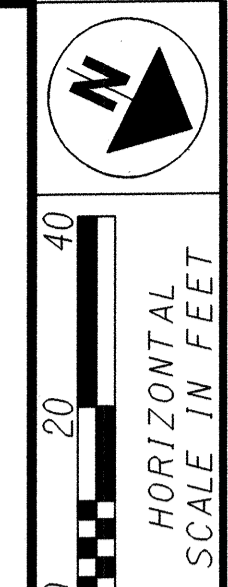
MATCHLINE STA 141+50 SEE SHEET 4

Nick Fleagane
Vol. 652, P. 97

Belmont County
Health Services, Inc.
Vol. 786, P. 371

3-D Associates LLC
VOL. 765, P. 330

②
THE BOARD OF EDUCATION OF
UNION LOCAL SCHOOL DISTRICT
39-60001.000



PID NO.
76265

STATE PROJECT NO.
515547

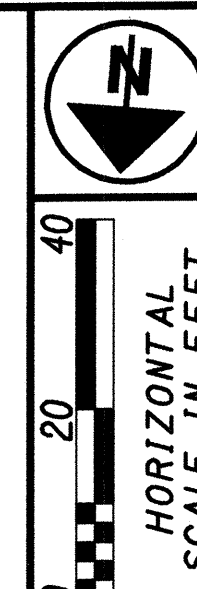
RIGHT OF WAY PLAN
STA 141+50 TO STA 147+00

BEL-149-23.91

DII-SWL	05/05/04	FIVE SHEETS WERE ELIMINATED AND REMAINING SHEETS WERE RENUMBERED	5 / 7
DII-SWL	05/05/04	PARCELS 6, 7, 8, 9, 10, 11, 12 WERE ELIMINATED	
DII-SWL	02/25/04	TOPO REVISED	82 84
REV.	DATE	DESCRIPTION	
		DATE OF COMPLETION 12/08/2003	

**BELMONT COUNTY
UNION TOWNSHIP
SECTION 14, TOWNSHIP 8, RANGE 5**

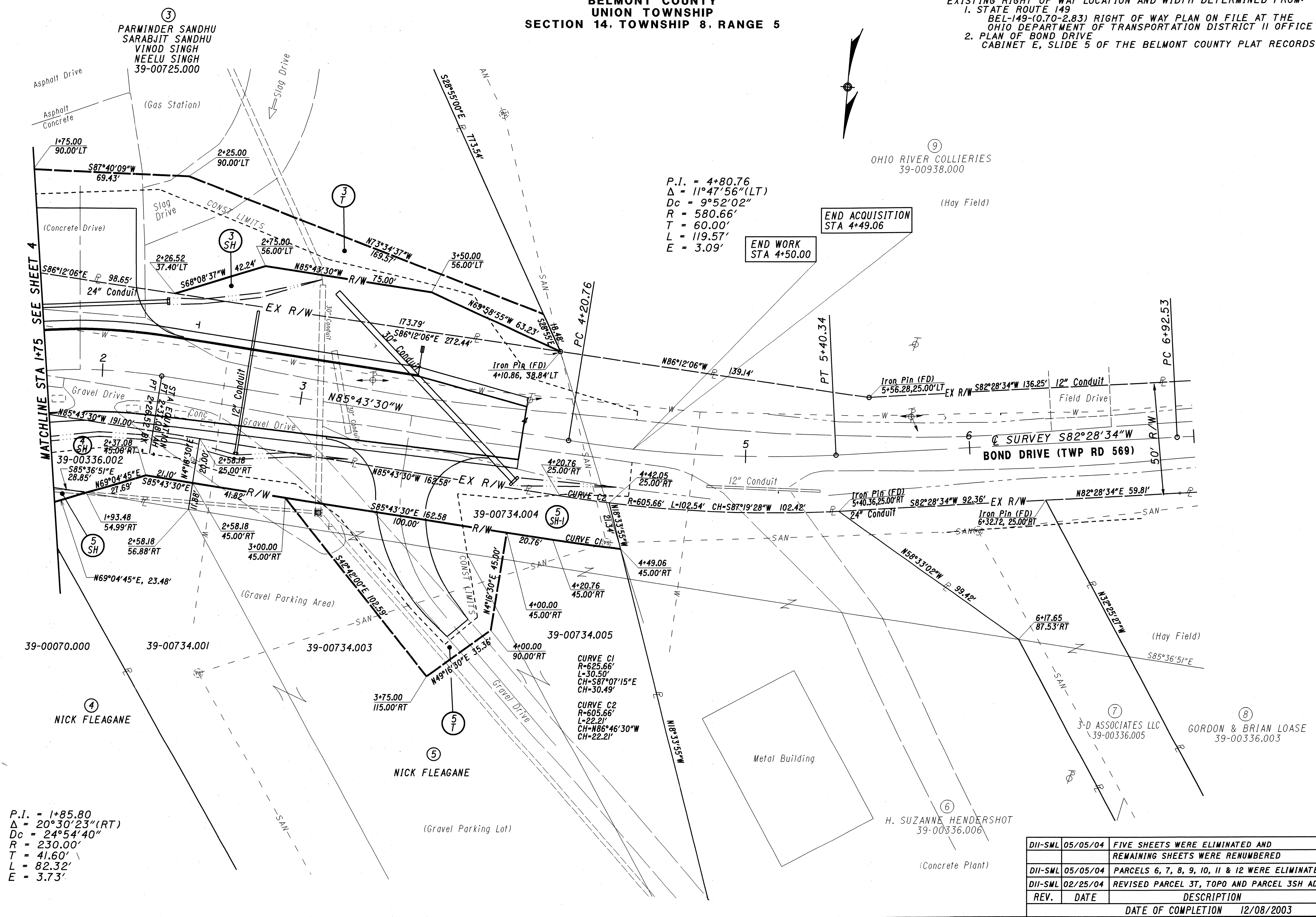
EXISTING RIGHT OF WAY LOCATION AND WIDTH DETERMINED FROM:
1. STATE ROUTE 149
BEL-149-(0.70-2.83) RIGHT OF WAY PLAN ON FILE AT THE
OHIO DEPARTMENT OF TRANSPORTATION DISTRICT II OFFICE
2. PLAN OF BOND DRIVE
CABINET E, SLIDE 5 OF THE BELMONT COUNTY PLAT RECORDS



PID NO. 76265
STATE PROJECT NO. 515547

**RIGHT OF WAY PLAN
BOND DRIVE (TWP RD 569)
STA 1+75 TO STA 7+00**

BEL-149-23.91
6 / 7
83
84



P.I. = 4+80.76
Δ = 11°47'56"(LT)
Dc = 9°52'02"
R = 580.66'
T = 60.00'
L = 119.57'
E = 3.09'

END ACQUISITION
STA 4+49.06
END WORK
STA 4+50.00

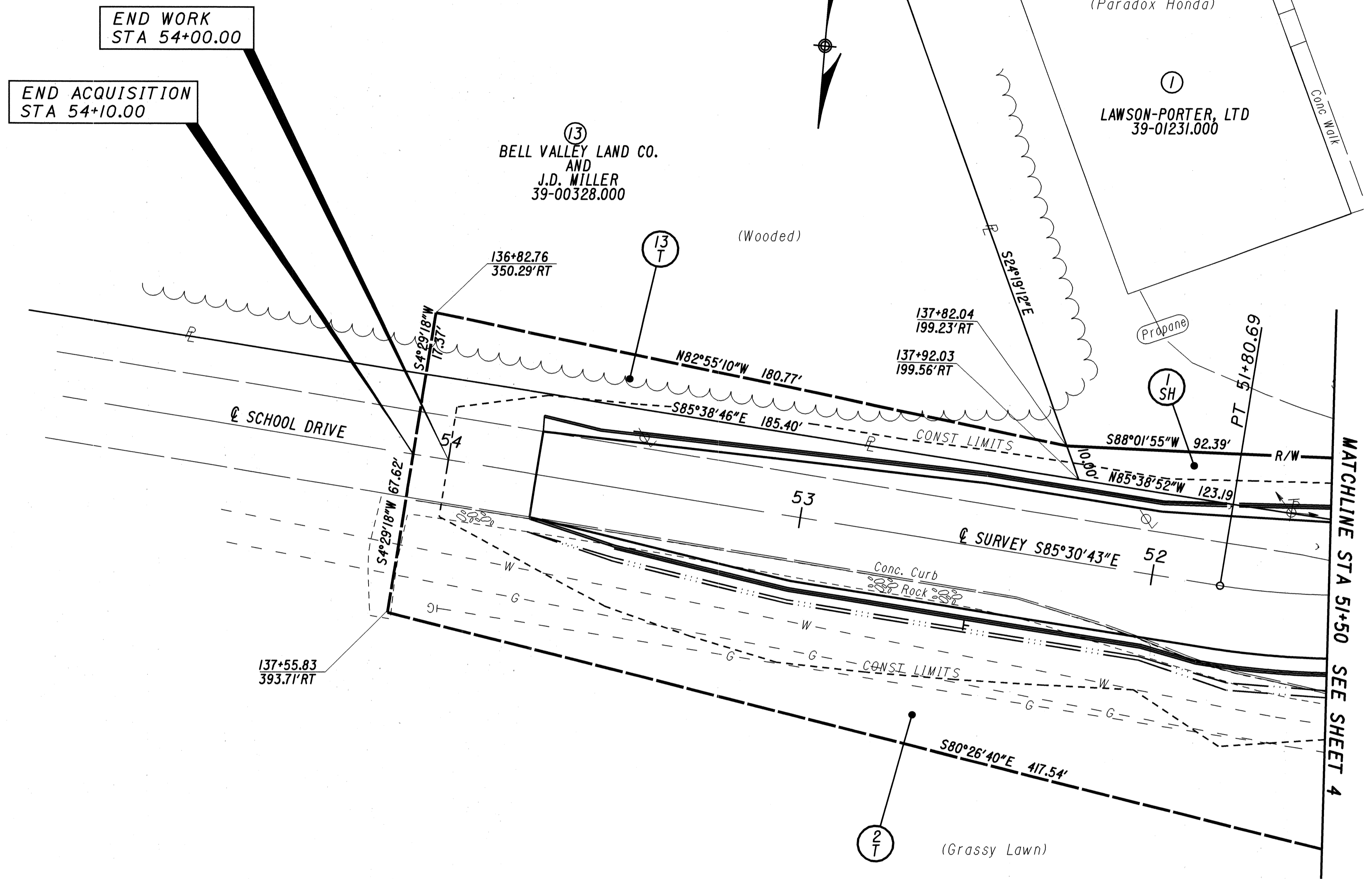
P.I. = 1+85.80
Δ = 20°30'23"(RT)
Dc = 24°54'40"
R = 230.00'
T = 41.60'
L = 82.32'
E = 3.73'

CURVE C1
R=625.66'
L=30.50'
CH=S87°07'15"E
CH=30.49'

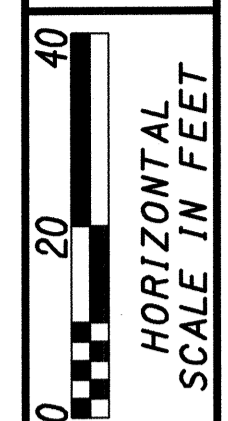
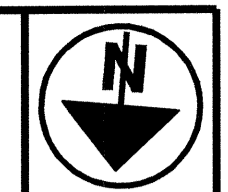
CURVE C2
R=605.66'
L=22.21'
CH=N86°46'30"W
CH=22.21'

REV.	DATE	DESCRIPTION
DII-SML	05/05/04	FIVE SHEETS WERE ELIMINATED AND REMAINING SHEETS WERE RENUMBERED
DII-SML	05/05/04	PARCELS 6, 7, 8, 9, 10, 11 & 12 WERE ELIMINATED
DII-SML	02/25/04	REVISED PARCEL 3T, TOPO AND PARCEL 3SH ADDED
REV.	DATE	DESCRIPTION
		DATE OF COMPLETION 12/08/2003

BELMONT COUNTY
UNION TOWNSHIP
SECTION 14, TOWNSHIP 8, RANGE 5



②
THE BOARD OF EDUCATION OF
UNION LOCAL SCHOOL DISTRICT
39-60001.000



PID NO.
76265

STATE PROJECT NO.
515547

RIGHT OF WAY PLAN
SCHOOL DRIVE
STA 51+50 TO STA 54+00

BEL-149-23.91

DII-SML	05/05/04	FIVE SHEETS WERE ELIMINATED AND REMAINING SHEETS WERE RENUMBERED	7 / 7
DII-SML	05/05/04	PARCELS 6, 7, 8, 9, 10, 11, 12 WERE ELIMINATED	
DII-SML	02/25/04	PARCEL ISH AND TOPO REVISED	
REV.	DATE	DESCRIPTION	
		DATE OF COMPLETION 12/08/2003	

84
84