

SECTIONS 21, 22 & 28
T-1-N, R-16-W, CONGRESS LANDS
UNION TOWNSHIP
LAWRENCE COUNTY, OHIO

CURVE DATA
S.R. 7
CURVE NO. 2

P.I. STA. 182+06.44 $\theta_s = 2^\circ 59' 44''$
 $\Delta = 24^\circ 16' 14''$ (LT) $L_s = 275.00'$
 $D_c = 2^\circ 10' 43''$ $T_s = 703.26'$
 $R = 2,630.00'$ $LT = 183.36'$
 $T = 423.13'$ $ST = 91.69'$
 $L = 839.08'$
 $E = 33.82'$

CURVE DATA
S.R. 7
CURVE NO. 3

P.I. STA. 205+33.31 $\theta_s = 1^\circ 58' 07''$
 $\Delta = 27^\circ 30' 45''$ (RT) $L_s = 225.00'$
 $D_c = 1^\circ 45' 00''$ $T_s = 914.18'$
 $R = 3,274.04'$ $LT = 150.01'$
 $T = 683.24'$ $ST = 75.01'$
 $L = 1,347.14'$
 $E = 70.53'$

CURVE DATA
LYNN LANE
P.I. STA. 11+44.17
 $\Delta = 25^\circ 37' 23''$ (RT)
 $D_c = 22^\circ 55' 06''$
 $R = 250.00'$
 $T = 56.85'$
 $L = 111.80'$
 $E = 6.38'$
 PC STA. 10+87.32
 PT STA. 11+99.12

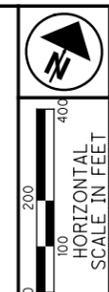
- LEGEND**
-  TREE CLEARING AREA - A
 -  TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
 -  DO NOT DISTURB AREA (DND)
 -  2001 NEPA BOUNDARY
 -  RO-** - POTENTIAL BAT HABITAT

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 PID NO. **120720**
 R/W DESIGNER TDW
 R/W REVIEWER JQH
SCHEMATIC PLAN/PROPERTY PARCEL MAP
STA. 158+00 TO STA. 214+16.27
LAW-7-2.17
TREE CLEARING
 2 / 6


SECTIONS 14, 15, 22 & 23
T-1-N, R-16-W, CONGRESS LANDS
UNION TOWNSHIP
LAWRENCE COUNTY, OHIO



PID NO. 120720

R/W DESIGNER TDW
R/W REVIEWER JQH

SCHEMATIC PLAN/PROPERTY PARCEL MAP
STA. 214+16.27 TO STA. 265+00

LAW-7-2.17
TREE CLEARING

3 / 6

P.4
54

CURVE DATA
S.R. 243
CURVE NO. 2

P.I. STA. 15+51.11 $\theta s = 00^\circ 45' 00''$
 $\Delta = 5^\circ 37' 36''$ (LT) $Ls = 100.00'$
 $Dc = 1^\circ 30' 00''$ $Ts = 237.72'$
 $R = 3,819.72'$ $LT = 66.67'$
 $T = 137.62'$ $ST = 33.33'$
 $L = 275.13'$ $CS Sta. 16+88.52$
 $E = 2.48'$ $ST Sta. 17+88.52$
 TS STA. 13+13.39
 SC STA. 14+13.39

CURVE DATA
S.R. 243
CURVE NO. 1

P.I. STA. 11+06.30 $\Delta = 22^\circ 39' 36''$ (RT)
 $Dc = 24^\circ 54' 40''$
 $R = 230.00'$
 $T = 46.08'$
 $L = 90.96'$
 $E = 4.57'$
 PC STA. 10+60.22
 PT STA. 11+51.18
 CURVE DATA
S.R. 7
CURVE NO. 4

P.I. STA. 232+01.52 $\Delta = 34^\circ 12' 59''$ (LT)
 $Dc = 4^\circ 45' 00''$
 $R = 1,206.23'$
 $T = 161.12'$
 $L = 320.35'$
 $E = 10.71'$
 TS STA. 226+28.73
 SC STA. 230+28.73
 $\theta s = 9^\circ 30' 00''$
 $Ls = 400.00'$
 $Ts = 572.79'$
 $LT = 267.05'$
 $ST = 133.68'$
 CS STA. 233+49.08
 ST STA. 237+49.08

CURVE DATA
C.R. 69
CURVE NO. 1

P.I. STA. 10+33.80 $\Delta = 20^\circ 52' 36''$ (RT)
 $Dc = 24^\circ 54' 40''$
 $R = 230.00'$
 $T = 42.37'$
 $L = 83.80'$
 $E = 3.87'$
 PC STA. 9+91.43
 PT STA. 10+75.23

CURVE DATA
C.R. 69
CURVE NO. 2

P.I. STA. 15+77.89 $\Delta = 10^\circ 17' 44''$ (LT)
 $Dc = 4^\circ 00' 00''$
 $R = 1,432.39'$
 $T = 129.04'$
 $L = 257.39'$
 $E = 5.80'$
 PC STA. 14+48.85
 PT STA. 17+06.24

CURVE DATA
C.R. 69
CURVE NO. 3

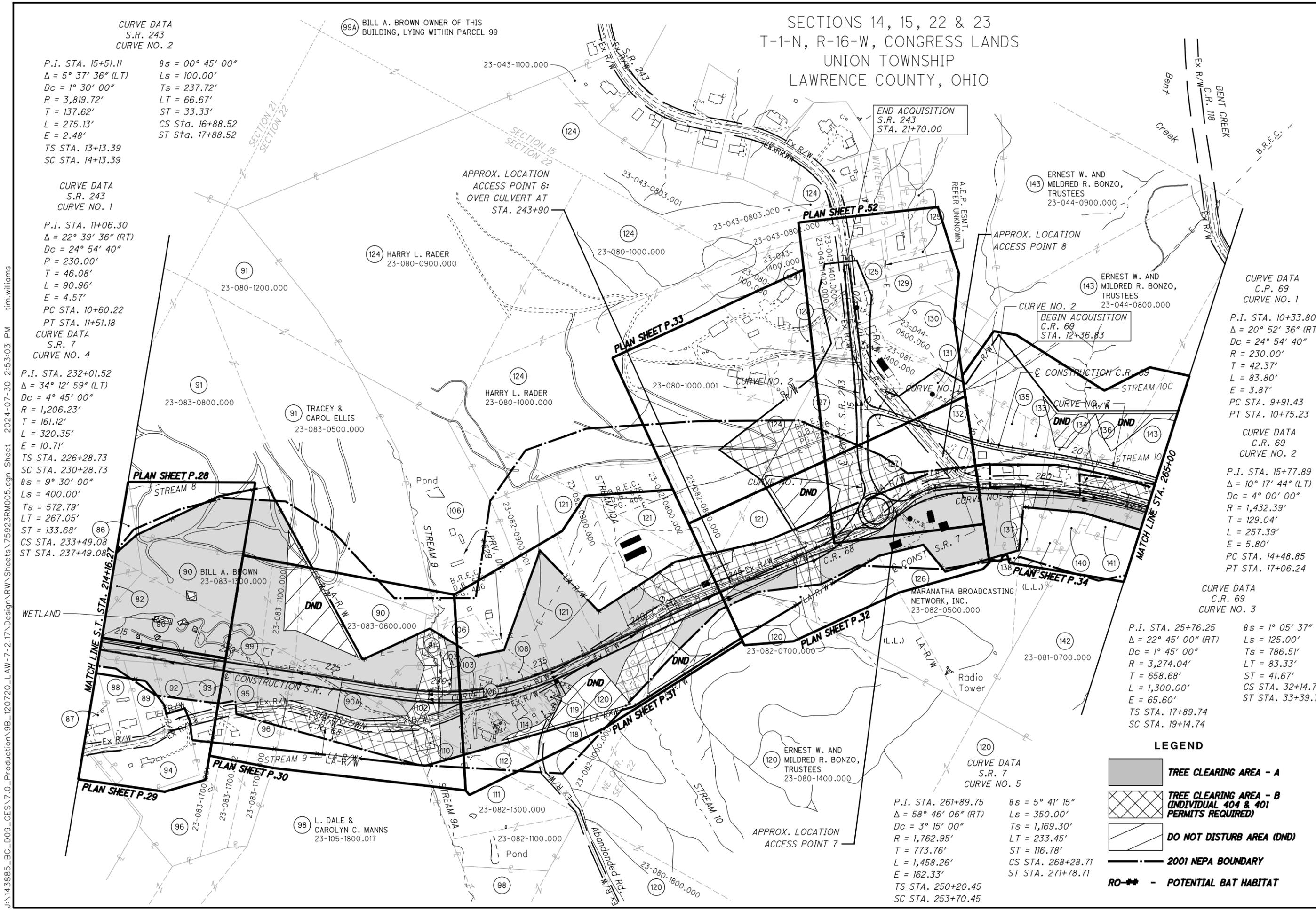
P.I. STA. 25+76.25 $\theta s = 1^\circ 05' 37''$
 $\Delta = 22^\circ 45' 00''$ (RT) $Ls = 125.00'$
 $Dc = 1^\circ 45' 00''$ $Ts = 786.51'$
 $R = 3,274.04'$ $LT = 83.33'$
 $T = 658.68'$ $ST = 41.67'$
 $L = 1,300.00'$ $CS STA. 32+14.74$
 $E = 65.60'$ $ST STA. 33+39.74$
 TS STA. 17+89.74
 SC STA. 19+14.74

P.I. STA. 261+89.75 $\theta s = 5^\circ 41' 15''$
 $\Delta = 58^\circ 46' 06''$ (RT) $Ls = 350.00'$
 $Dc = 3^\circ 15' 00''$ $Ts = 1,169.30'$
 $R = 1,762.95'$ $LT = 233.45'$
 $T = 773.76'$ $ST = 116.78'$
 $L = 1,458.26'$ $CS STA. 268+28.71$
 $E = 162.33'$ $ST STA. 271+78.71$
 TS STA. 250+20.45
 SC STA. 253+70.45

CURVE DATA
S.R. 7
CURVE NO. 5

LEGEND

- TREE CLEARING AREA - A
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

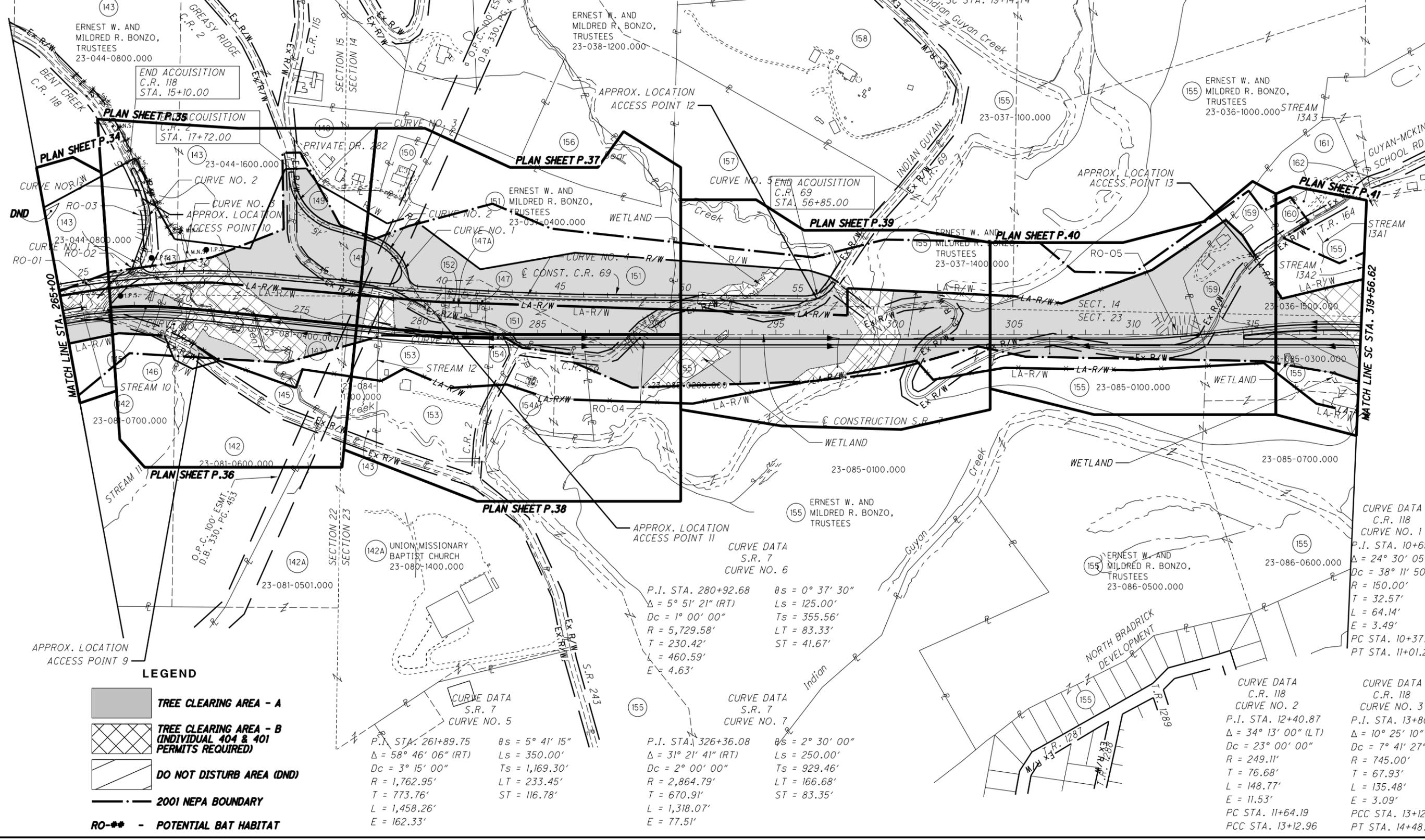


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SECTIONS 13, 14, 23 & 24
T-1-N, R-16-W, CONGRESS LANDS
UNION TOWNSHIP
LAWRENCE COUNTY, OHIO

CURVE DATA	CURVE DATA	CURVE DATA
C.R. 2	C.R. 2	C.R. 2
CURVE NO. 1	CURVE NO. 2	CURVE NO. 3
P.I. STA. 10+85.37 Δ = 42° 28' 52" (LT) Dc = 38' 11' 49" R = 150.00' T = 58.30' L = 111.21' E = 10.93' PC STA. 10+27.07 PCC STA. 11+38.28	P.I. STA. 12+19.19 Δ = 35° 52' 10" (LT) Dc = 22° 55' 06" R = 250.00' T = 80.91' L = 156.51' E = 12.77' PCC STA. 11+38.28 PT STA. 12+94.79	P.I. STA. 16+25.92 Δ = 71° 50' 49" (RT) Dc = 22° 55' 06" R = 250.00' T = 181.13' L = 313.49' E = 58.72' PC STA. 14+44.79 PT STA. 17+58.28

CURVE DATA	CURVE DATA	CURVE DATA	CURVE DATA
C.R. 69	C.R. 69	C.R. 69	C.R. 69
CURVE NO. 3	CURVE NO. 4	CURVE NO. 4	CURVE NO. 5
P.I. STA. 25+76.25 Δ = 22° 45' 00" (RT) Dc = 1° 45' 00" R = 3,274.04' T = 658.68' L = 1,300.00' E = 65.60' TS STA. 17+89.74 SC STA. 19+14.74	θs = 1° 05' 37" Ls = 125.00' Ts = 786.51' LT = 83.33' ST = 41.67' CS STA. 32+14.74 ST STA. 33+39.74	P.I. STA. 42+81.74 Δ = 4° 32' 03" (LT) Dc = 0° 30' 00" R = 11,459.16' T = 453.67' L = 906.86' E = 8.98' PC STA. 38+28.07 PT STA. 47+34.93	P.I. STA. 56+05.43 Δ = 56° 46' 59" (RT) Dc = 38' 11' 50" R = 150.00' T = 81.08' L = 148.66' E = 20.51' PC STA. 55+24.35 PT STA. 56+73.01



LEGEND

	TREE CLEARING AREA - A
	TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
	DO NOT DISTURB AREA (DND)
	2001 NEPA BOUNDARY
	RO-**- POTENTIAL BAT HABITAT

SCHEMATIC PLAN/PROPERTY PARCEL MAP
STA. 265+00 TO STA. 319+56.62

LAW-7-2.17
TREE CLEARING

PID NO. 120720

R/W DESIGNER TDW
R/W REVIEWER JQH

4/6

P.5
54

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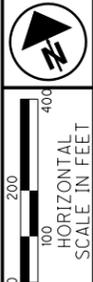
CURVE DATA
S.R. 7
CURVE NO. 7

P.I. STA. 326+36.08 $\theta_s = 2^\circ 30' 00''$
 $\Delta = 31^\circ 21' 41''$ (RT) $L_s = 250.00'$
 $D_c = 2^\circ 00' 00''$ $T_s = 929.46'$
 $R = 2,864.79'$ $LT = 166.68'$
 $T = 670.91'$ $ST = 83.35'$
 $L = 1,318.07'$
 $E = 77.51'$

CURVE DATA
S.R. 7
CURVE NO. 8

P.I. STA. 355+16.90 $\theta_s = 0^\circ 32' 45''$
 $\Delta = 9^\circ 56' 13''$ (LT) $L_s = 125.00'$
 $D_c = 0^\circ 52' 24''$ $T_s = 632.80'$
 $R = 6,560.00'$ $LT = 83.33'$
 $T = 507.37'$ $ST = 41.67'$
 $L = 1,012.73'$
 $E = 19.59'$

SECTIONS 13, 23 & 24
T-1-N, R-16-W, CONGRESS LANDS
UNION TOWNSHIP
LAWRENCE COUNTY, OHIO

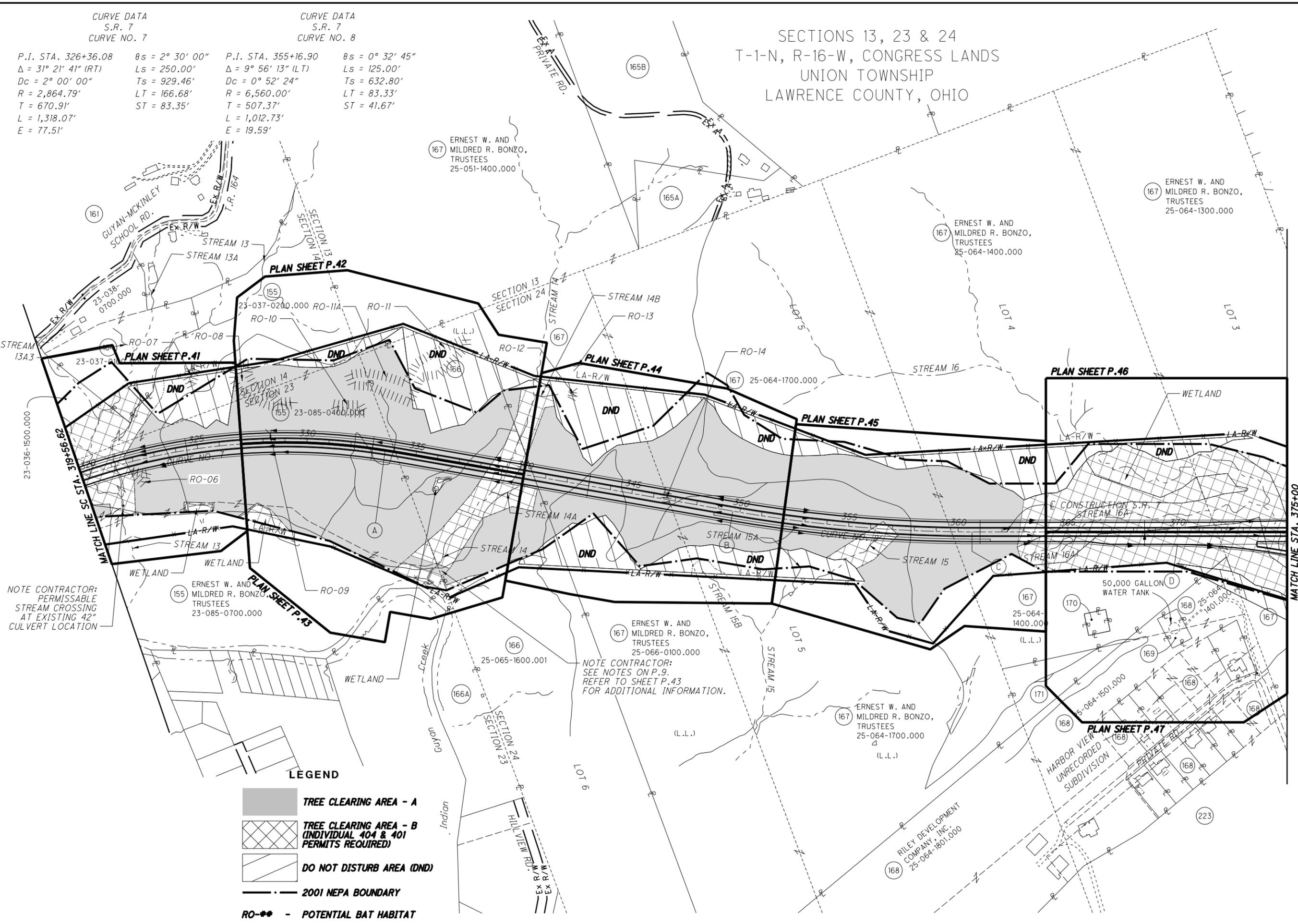


PID NO. **120720**
R/W DESIGNER TDW
R/W REVIEWER JQH

SCHEMATIC PLAN/PROPERTY PARCEL MAP
STA. 319+56.62 TO STA. 375+00

LAW-7-2.17
TREE CLEARING
5/6
P.6
54

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NOTE CONTRACTOR:
PERMISSIBLE
STREAM CROSSING
AT EXISTING 42"
CULVERT LOCATION

NOTE CONTRACTOR:
SEE NOTES ON P.9.
REFER TO SHEET P.43
FOR ADDITIONAL INFORMATION.

- LEGEND**
- TREE CLEARING AREA - A**
 - TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)**
 - DO NOT DISTURB AREA (DND)**
 - 2001 NEPA BOUNDARY**
 - POTENTIAL BAT HABITAT**

MATCH LINE STA. 375+00

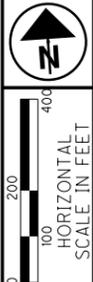
MATCH LINE SC STA. 319+56.62

CURVE DATA
S.R. 775

P.I. STA. 70+19.99
 $\Delta = 32^\circ 25' 07''$ (LT)
 $Dc = 11^\circ 50' 00''$
 $R = 484.19'$
 $T = 140.76'$
 $L = 273.96'$
 $E = 20.04'$
 $PC STA. = 68+79.23$
 $PT STA. = 71+53.19$

P.I. STA. 66+62.11
 $\Delta = 0^\circ 43' 32''$ (RT)
 NO CURVE

SEC. 13, 23 & 24, T-1-N, R-16-W, CONGRESS LANDS
 SEC. 33 & 34, T-1-N, R-15-W, OHIO COMPANY PURCHASE
 UNION & ROME TOWNSHIPS
 LAWRENCE COUNTY, OHIO



PID NO. 120720

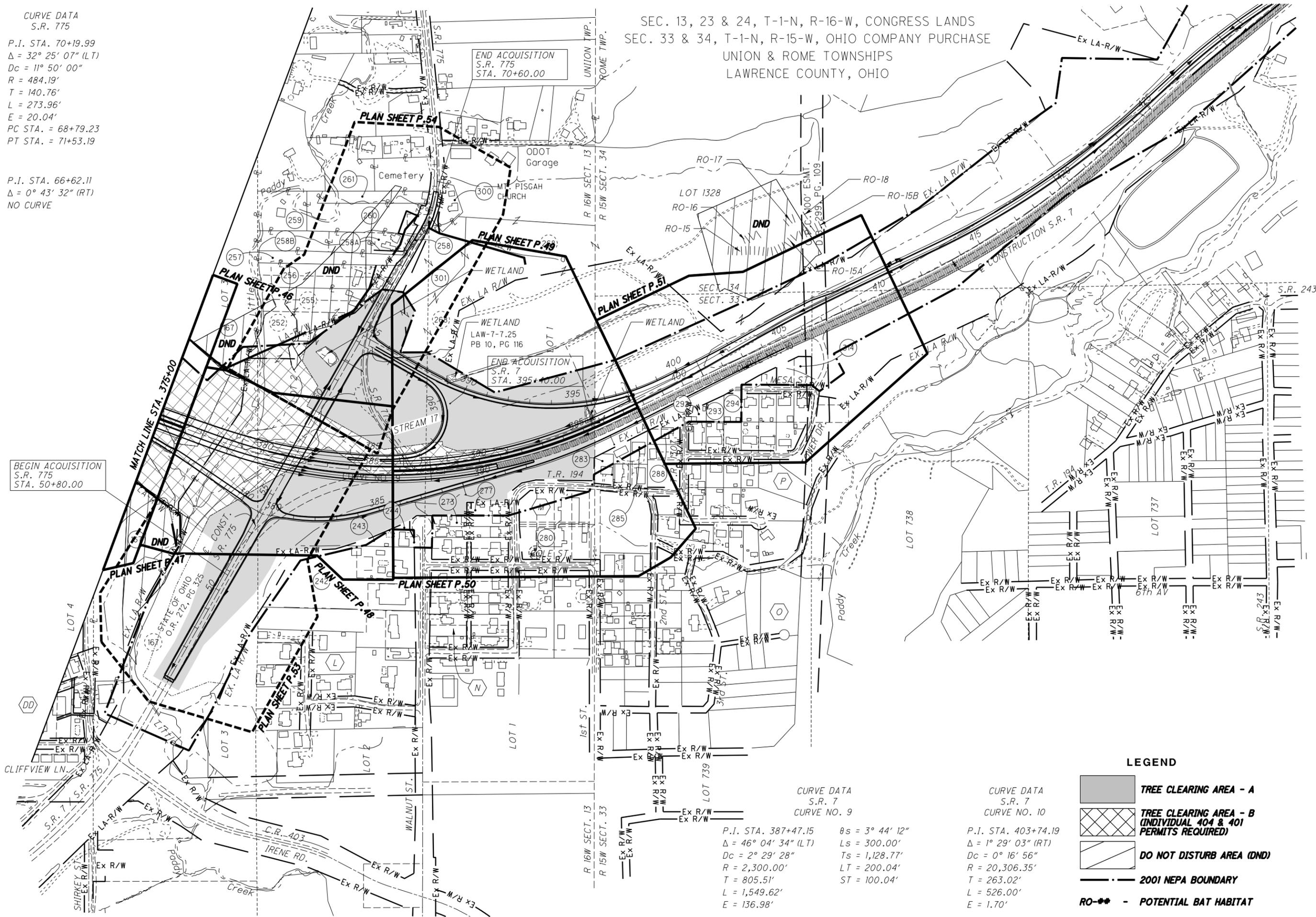
R/W DESIGNER TDW
 R/W REVIEWER JQH

SCHEMATIC PLAN/PROPERTY PARCEL MAP
 STA. 375+00 TO STA. 409+59.26

LAW-7-2.17
 TREE CLEARING

6/6

P.7
 54



BEGIN ACQUISITION
S.R. 775
STA. 50+80.00

MATCH LINE STA. 375+00

END ACQUISITION
S.R. 775
STA. 70+60.00

END ACQUISITION
S.R. 7
STA. 395+40.00

CURVE DATA
S.R. 7
CURVE NO. 9

P.I. STA. 387+47.15
 $\Delta = 46^\circ 04' 34''$ (LT)
 $Dc = 2^\circ 29' 28''$
 $R = 2,300.00'$
 $T = 805.51'$
 $L = 1,549.62'$
 $E = 136.98'$

CURVE DATA
S.R. 7
CURVE NO. 10

P.I. STA. 403+74.19
 $\Delta = 1^\circ 29' 03''$ (RT)
 $Dc = 0^\circ 16' 56''$
 $R = 20,306.35'$
 $T = 263.02'$
 $L = 526.00'$
 $E = 1.70'$

- LEGEND**
- TREE CLEARING AREA - A
 - TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
 - DO NOT DISTURB AREA (DND)
 - 2001 NEPA BOUNDARY
 - POTENTIAL BAT HABITAT

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UTILITIES

NO EXISTING UTILITY FACILITIES WILL BE RELOCATED AHEAD OF THE PROJECT. ALL EXISTING UTILITY FACILITIES WILL REMAIN IN PLACE AND ACTIVE DURING PROJECT CONSTRUCTION. THE WORK REQUIRED BY THIS PROJECT SHALL NOT AFFECT ANY UTILITY FACILITIES THAT MAY EXIST WITHIN THE WORK AREA.

IT IS THE RESPONSIBILITY OF THE PROJECT CONTRACTOR TO IDENTIFY POTENTIAL UTILITY CONFLICTS, BOTH BY VISUAL INSPECTION AND BY CONTACTING THE OHIO UTILITIES PROTECTION SERVICE (OHIO 811) FOR FIELD MARKINGS OF THE UNDERGROUND UTILITIES. IF, IN THE EVENT THAT THE PROJECT CONTRACTOR DETERMINES THAT UTILITY RELOCATIONS, ADJUSTMENTS OR OUTAGES ARE NECESSARY, DUE TO THEIR SPECIFIC INTENDED ACTIVITIES, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT AND COORDINATE WITH THE UTILITY OWNER(S) TO RESOLVE THE UTILITY CONFLICTS OR, WITH THE APPROVAL OF THE PROJECT ENGINEER, THE CONTRACTOR SHALL ADJUST THEIR WORK ACCORDINGLY, SO AS TO AVOID DAMAGE TO THE EXISTING UTILITY FACILITIES.

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN OR ADJACENT TO THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

FRONTIER COMMUNICATIONS 1315 ALBERT STREET PORTSMOUTH, OHIO 45662 PHONE: (740) 354-0521 MS. DENA MARTIN

AMERICAN ELECTRIC POWER (DISTRIBUTION) 38831 STATE ROUTE 7 REEDSVILLE, OHIO 45772 PHONE: (740) 985-3054 MR. CLARKE SAUNDERS

AMERICAN ELECTRIC POWER (TRANSMISSION) 8600 SMITHS HILL ROAD NEW ALBANY, OHIO 43054 PHONE: (380) 205-5072 MR. MICHAEL CARR

BUCKEYE RURAL ELECTRIC CO-OP, INC. P.O. BOX 200 RIO GRANDE, OHIO 45674 PHONE: (740) 379-9659 MR. WESTON CLARY

HECLA WATER ASSOCIATION, INC. 3190 SR 141 IRONTON, OHIO 45638 PHONE: (740) 533-0526, EXT. 5 MR. TIM DALTON

AQUA OHIO (FORMERLY OHIO-AMERICAN WATER COMPANY) 5481 BUENOS ARIES BLVD. WESTERVILLE, OHIO 43081 PHONE: (614) 882-6586, EXT. 50546 MR. VINNY LUPICA

COLUMBIA GAS OF OHIO 215 N. 7TH STREET IRONTON, OHIO 45638 PHONE: (740) 513-8529 MS. TORI PIERCE

MYERS DRILLING COMPANY 826 20TH STREET HUNTINGTON, WV. 25703-1850 PHONE: (304) 736-7431 MR. JOHN DIAL

ARMSTRONG CABLE SERVICES 9651 COUNTY ROAD 1 SOUTH POINT, OHIO 45680 PHONE: (740) 451-1827 MR. JARAN BARTOE

UNION-ROME TOWNSHIPS SUBSEWER DISTRICT 5481 BUENOS ARIES BLVD. WESTERVILLE, OHIO 43081 PHONE: (614) 882-6586, EXT. 50546 MR. VINNY LUPICA

CHARTER COMMUNICATIONS (AKA SPECTRUM FKA TIME WARNER CABLE) 1617 FOXHAVEN DRIVE RICHMOND, KENTUCKY 40475 PHONE: (859) 626-4829 MR. GREG RUSSELL

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

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

WHERE CONSTRUCTION ACTIVITIES ARE WITHIN 500 FEET OF RESIDENTIAL AREAS, CONSTRUCTION ACTIVITIES WILL BE LIMITED TO DAYTIME HOURS ONLY. THE FOLLOWING AREA GIVE LOCATIONS WHERE WORK SHALL BE LIMITED TO DAYTIME HOURS ONLY:

AREA 1 S.R. 7 STATION 160+00 TO STATION 220+00
AREA 2 S.R. 7 STATION 381+00 TO STATION 409+00
AREA 3 S.R. 775 STATION 45+30 TO STATION 70+75

CLEARING AND GRUBBING, AS PER PLAN

THIS WORK SHALL CONSIST OF CUTTING DOWN AND CLEANING UP ALL CURRENTLY STANDING TREES, TREE TOPS, ALREADY FALLEN TREES, AND VEGETATION WITH A DIAMETER OF 3 INCHES OR GREATER AND A HEIGHT OF 6 FEET OR GREATER LOCATED INSIDE THE "TREE REMOVAL LIMITS" AS SHOWN ON THESE PLAN SHEETS. ALL TREES AND VEGETATION SHALL BE CUT 6 INCHES FROM THE GROUND. GRUBBING OF STUMPS AND ROOTS IS NOT PART OF THE WORK.

THE CONTRACTOR WILL REMOVE FROM THE SITE AND RIGHT OF WAY ALL CUT AND ALREADY FALLEN TREES, TREE TOPS, PROCESSED WOOD SUCH AS MULCH, AND VEGETATION AS PART OF THIS CONTRACT, FOR USE AS LUMBER, PULP WOOD, MULCH OR OTHER USES CONSISTENT WITH OHIO LAW.

THE CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE GROUND COVER/SOIL AND STREAMS.

TREE AND VEGETATION DIAMETER SHALL BE MEASURED 3 FEET ABOVE GROUND.

THE TREE AND VEGETATION REMOVAL LIMITS WILL BE MARKED BY THE CONTRACTOR PRIOR TO ANY CUTTING. THE CONTRACTOR SHALL TAKE CARE NOT TO DISTURB THE RIGHT-OF-WAY PINS OR ANY REFERENCES OR BENCHMARKS. POINTS THAT ARE DISTURBED SHALL BE REPLACED BY A LICENSED PROFESSIONAL SURVEYOR HIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

CLEARING OF ANY TREES THAT HAVE SUITABLE SUMMER BROOD-REARING OR ROOSTING HABITAT FOR THE FEDERALLY ENDANGERED INDIANA BAT (E.G. LIVING OR STANDING DEAD TREES WITH EXFOLIATING, PEELING OR LOOSE BARK, SPLIT TRUNKS OR BRANCHES, AND/OR CAVITIES), SHALL OCCUR BEFORE MARCH 30TH OR AFTER OCTOBER 1ST WHEN SPECIES WOULD NOT BE USING SUCH HABITAT.

ALL ACCESS ROUTES MUST BE APPROVED IN WRITING BY THE PROJECT ENGINEER 5 DAYS BEFORE THE USE OF COUNTY OR TOWNSHIP ROADS.

PAYMENT FOR CLEARING, REMOVING TREES, AND REMOVING ALL VEGETATION AND CONSTRUCTION DEBRIS AT THE SITE SHALL BE IN A LUMP SUM, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

ALL LABOR, EQUIPMENT, AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM 201, CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - (A OR B), (PARCEL#...), UNLESS SEPARATELY ITEMIZED IN THE PLAN.

FIELD INSPECTION OF PARCELS

THE DEPARTMENT DOES NOT HAVE POSSESSION OF ALL PARCELS TO BE CLEARED. THE SITE INVESTIGATION SHALL NOT DISTURB ANY OCCUPANTS AND THE INSPECTION SHALL BE OFF-PREMISE INSPECTION ONLY, UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE WITH THE DEPARTMENT FOR INSPECTION OF THE SITES.

ARRANGEMENTS FOR INSPECTION OF THE SITES AND/OR TO REVIEW REAL ESTATE RECORDS ON THE PARCELS ARE AVAILABLE AT THE FOLLOWING LOCATION:

OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 9 PLANNING AND ENGINEERING 650 EASTERN AVENUE CHILLICOTHE, OHIO 45601

CONTACT PERSONS:
TIM YOUNG OR SHAUN MILLS,
REALTY SPECIALIST MGR REALTY SPECIALIST
740-774-9073 740-774-9074
TOLL FREE IN OHIO:
1-888-819-8501

ITEM 690E98400: SPECIAL - DEBRIS REMOVAL AND DISPOSAL

REMOVE DEBRIS PILE LOCATED ON PARCEL 7 WITH IN THE DEPARTMENT'S RIGHT-OF-WAY LIMITS. THE ESTIMATED DIMENSIONS OF 230 FEET LONG BY 40 FEET WIDE.

PAYMENT FOR REMOVING DEBRIS AT THIS LOCATION SPECIFIED IN THE PLANS WHICH INCLUDES BUT NOT LIMITED TO BRUSH, LIMBS, STUMPS, LARGE ROCKS, AND LOGS AT THE SITE SHALL BE IN A LUMP SUM.

ALL LABOR, EQUIPMENT, AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM 690E98400: SPECIAL - DEBRIS REMOVAL AND DISPOSAL.

COOPERATION BETWEEN CONTRACTORS

AT ANY TIME, THE DEPARTMENT MAY CONTRACT FOR OTHER WORK ON OR NEAR THE PROJECT.

SEPARATE CONTRACTORS WORKING WITHIN THE LIMITS OF THE PROJECT SHALL CONDUCT THEIR WORK WITHOUT INTERFERING WITH OR HINDERING THE PROGRESS OR COMPLETION OF WORK BEING PERFORMED BY OTHER CONTRACTORS AND SHALL COOPERATE WITH EACH OTHER AS DIRECTED BY THE ENGINEER.

TEMPORARY SOIL AND SEDIMENT CONTROL, AS PER PLAN

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE PLACED BY THE CONTRACTOR WITH THE ENGINEERS'S CONCURRENCE FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES:

A STORM WATER POLLUTION PREVENTION PLAN WILL BE REQUIRED FOR THE PROJECT AND PAID FOR WITH:
ITEM 832, STORM WATER POLLUTION PREVENTION PLAN, AS PER PLAN LUMP SUM
ITEM 832, STORM WATER POLLUTION PREVENTION INSPECTIONS LUMP SUM
ITEM 832, STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE LUMP SUM
ITEM 832, EROSION CONTROL 87,000 EACH

ALL TEMPORARY SOIL EROSION CONTROL MEASURES SHALL BE LEFT IN PLACE AT THE END OF THE CONTRACT.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING QUANTITY HAS BEEN INCLUDED FOR DUST CONTROL PURPOSES:

616 WATER 50 M. GAL.

MAINTENANCE OF TRAFFIC

THE TREE REMOVAL WORK WILL NOT REQUIRE LANE CLOSURES. FLAGGERS MAY BE USED AS NEEDED TO PROGRESS THE WORK.

LENGTH AND DURATION OF LANE RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELLING PUBLIC. LANE RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

ACCESS TO LOCAL PROPERTY OWNERS SHALL BE MAINTAINED AT ALL TIMES.

HIGHWAYS, LOCAL ROADS AND STREETS REQUIRED AS HAUL ROADS FOR HAULING EQUIPMENT AND FOR DEBRIS/MATERIAL DISPOSAL SHALL BE IN ACCORDANCE WITH 105.13.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

ITEM 623, CONSTRUCTION LAYOUT STAKES

THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING THE RIGHT-OF-WAY AND ESTABLISHING THE PLAN APPROVED STATION/OFFSET LIMITS OF THE TREE REMOVAL. NO WORK OR EQUIPMENT SHALL BE PERMITTED OUTSIDE OF THE RIGHT-OF-WAY. THE CONTRACTOR SHALL ADHERE TO ALL PROVISIONS STATED IN THE ENVIRONMENTAL COMMITMENTS AND ITEM 201, CLEARING AND GRUBBING, AS PER PLAN.

THE LUMP SUM BID FOR ITEM 623, CONSTRUCTION LAYOUT STAKES SHALL INCLUDE ALL EQUIPMENT, MATERIALS, AND LABOR TO COMPLETE THE WORK DESCRIBED IN THIS NOTE.

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GENERAL NOTES

LAW-7-2.17
TREE CLEARING

EXISTING PLANS

EXISTING PLANS ENTITLED LAW-7-2.17 (PID 75923) MAY BE INSPECTED IN THE ODOT DISTRICT 09 OFFICE IN CHILLICOTHE.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE BELOW FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING AS PER EXISTING PLANS ENTITLED LAW-7-2.17 (PID 75923).

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

WORK LIMITS

FOR THIS PROJECT, THE LIMITS IDENTIFIED ON THE PLAN SHEETS AS "WORK LIMITS" SHALL BE FURTHER IDENTIFIED AS THE PHYSICAL CONSTRUCTION LIMITS OF THE LAW-7-2.17 (PID 75923) CONSTRUCTION PROJECT. THE TREE CLEARING LIMITS THAT ARE TO BE PERFORMED WITH THIS PROJECT (PID 120720) ARE IDENTIFIED BY THE SHADING AND HATCH PATTERNS IDENTIFIED ON THE PLAN SHEETS RESPECTIVELY FOR TREE CLEARING AREA - A AND FOR TREE CLEARING AREA - B OPERATIONS. FURTHERMORE, THE PLAN SHEETS PROVIDE KEY STATION AND OFFSET DATA TO ASSIST THE CONTRACTOR WITH LOCATING THE LIMITS OF TREE CLEARING AREA A AND TREE CLEARING AREA B BOUNDARIES.

THE CONTRACTOR SHALL STILL BE RESPONSIBLE FOR PROVIDING THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

COORDINATION WITH MYERS DRILLING

THE CONTRACTOR SHALL BE REQUIRED TO MEET WITH MYERS DRILLING (SEE CONTACT INFORMATION BELOW) TO LOCATE THEIR WELLS AND ACCOMPANYING GAS UTILITY LINES PRIOR TO STARTING WORK ON THE RESPECTIVE PARCELS THAT MYERS DRILLING INFRASTRUCTURE EXISTS. REFERENCE SHEETS 23 AND 26 FOR THE PARCELS AND THE GENERAL LOCATION OF THEIR INFRASTRUCTURE. THE ODOT ENGINEER MUST BE PRESENT AT THIS MEETING. AFTER LOCATING MYERS DRILLING INFRASTRUCTURE LIMITS, THE CONTRACTOR SHALL BE REQUIRED TO INSTALL ORANGE SNOW FENCE AROUND THE PERIMETER, APPROXIMATELY 30 FEET TOTAL WIDTH, SO AS TO NOT DISTURB THEIR FACILITIES DURING TREE CLEARING OPERATIONS. SNOW FENCE TO BE REMOVED ONLY AFTER APPROVAL BY ENGINEER.

MYERS DRILLING
JOHN DIAL - PRESIDENT
826 20TH STREET
HUNTINGTON, WEST VIRGINIA 25703-1850
(304) 736-7431

PAYMENT FOR THE ASSOCIATED COORDINATION EFFORT WITH MYERS DRILLING AND INSTALLATION OF ALL ORANGE SNOW FENCE SHALL BE CONSIDERED INCLUDED WITH THE RESPECTIVE PARCEL "ITEM 201 CLEARING AND GRUBBING, AS PER PLAN" PAY ITEM.

ROCK OUTCROP AREAS

IN ORDER TO LIMIT THE HABITATION OF BATS IN ROCK OUTCROPS, TREE CLEARING SHALL BEGIN ON OCTOBER 1, 2024 OR THE FIRST DAY OF OPERATIONS WORKING TO CLEAR THE TREES BETWEEN STATIONS 307+00 AND 348+00 UNTIL THE TREE CLEARING IN THIS AREA IS COMPLETED. WORK IN OTHER AREAS IS PERMITTED ALSO, BUT PRIORITY IS GIVEN TO CLEAR THIS AREA FIRST.

ENVIRONMENTALLY SENSITIVE SITES

ENVIRONMENTALLY SENSITIVE SITES HAVE BEEN IDENTIFIED ON THE PLAN SHEETS. THESE SITES SHALL BE AVOIDED AND PROTECTED FROM ANCILLARY CONSTRUCTION ACTIVITIES (BORROW AREAS, WASTE AREAS, TEMPORARY OFF-SITE STORAGE, HAUL ROAD CONSTRUCTION, FIELD OFFICE PLACEMENT, ETC.) UNLESS PRIOR APPROVAL FROM ALL APPLICABLE REGULATING AGENCIES HAS BEEN OBTAINED IN WRITING IN ACCORDANCE WITH 105.16.

TREE CLEARING ADJACENT TO WETLANDS

WETLAND AREAS HAVE BEEN IDENTIFIED ON THE PLAN SHEETS. BEFORE TREE CLEARING BEGINS, THE CONTRACTOR SHALL PROVIDE AND INSTALL ORANGE SNOW FENCE AROUND EACH WETLAND AS DIRECTED IN THE WATERWAY PERMIT SPECIAL PROVISIONS (ATTACHED TO THESE PLANS). ORANGE SNOW FENCE TO BE REMOVED ONLY AFTER APPROVAL BY ENGINEER.

PAYMENT FOR THE ASSOCIATED EFFORT TO INSTALL THE ORANGE SNOW FENCE AND PROTECT WETLANDS SHALL BE CONSIDERED INCLUDED WITH ITEM 832, EROSION CONTROL.

APPROVAL TO PROCEED

THE INTENT OF THE APPROVAL TO PROCEED IS TO AUTHORIZE THE CONTRACTOR'S CREW TO PERFORM ITEM 201; CLEARING AND GRUBBING, AS PER PLAN ON A PARCEL AND TO RESTORE THAT PARCEL BEFORE STARTING WORK ON ANOTHER PARCEL. ALL TREES ON EACH PARCEL HAVE NOT BEEN LISTED SEPARATELY BECAUSE SOME MAY BE NON-PERFORMED FOR, BUT NOT LIMITED TO, THE FOLLOWING REASONS: TREES WHICH ARE RETAINED FOR REMOVAL BY THE FORMER OWNER AS PART OF THE NEGOTIATED SETTLEMENT, WATERWAY PERMIT REQUIRED FOR ACCESS, OR PARCELS NOT ACQUIRED BY THE STATE BY THE TERMINATION DATE OF THIS CONTRACT.

THE TREE CLEARING AREA - A PARCELS ARE THOSE PARCELS THAT DO NOT REQUIRE A WATERWAY PERMIT. TREE CLEARING AREA - B PARCELS ARE GENERALLY PARCELS THAT REQUIRE INDIVIDUAL 404 & 401 WATERWAY PERMITS. THE DEPARTMENT ANTICIPATES SECURING WATERWAY PERMITS AROUND NOVEMBER 1, 2024 AND INTEND TO RELEASE TREE CLEARING - B PARCELS TO THE CONTRACTOR FOR TREE CLEARING WORK ONCE THE PERMITS ARE RECEIVED.

WHEN THE DEPARTMENT HAS POSSESSION OF THE PARCEL, THE ENGINEER WILL ISSUE THE APPROVAL TO PROCEED WITH REMOVAL OF ALL TREES ON THAT PARCEL.

THE PARCELS OF ADDITIONAL ACCESS VIA ACQUISITION OF PROPERTY AND/OR WATERWAY PERMIT IS BUT NOT LIMITED TO PARCELS; 155-WL, 155-WDV, 155-CH, 166-WL, 167-WL2, 167-WL3, 167-WL4, AND 168-WL. CONTRACTOR SHALL CONTACT ENGINEER A MINIMUM OF 90 DAYS PRIOR TO COMPLETION TO VERIFY STATUS ON ALL OUTSTANDING NON ACCESSIBLE PROPERTIES AND/OR WATERWAY PERMIT APPLICATIONS.

ALL LABOR, EQUIPMENT, AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM 201, CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL#...), UNLESS SEPARATELY ITEMIZED IN THE PLAN.

BAT TREE CUTTING RESTRICTIONS

ENSURE IMPACTS TO THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT AND THE STATE LISTED AND PROTECTED LITTLE BROWN BAT AND TRICOLORED BAT ARE AVOIDED AND MINIMIZED. DO NOT REMOVE TREES FROM APRIL 1 THROUGH SEPTEMBER 30. PERFORM ALL NECESSARY TREE REMOVAL FROM OCTOBER 1 THROUGH MARCH 31. DEMARCATe CLEARING LIMITS IN THE FIELD TO AVOID ANY UNAUTHORIZED TREE CLEARING. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

TEMPORARY STREAM CROSSINGS, AS PER PLAN (INDIVIDUAL 404 & 401 PERMITS REQUIRED)

TEMPORARY STREAM CROSSINGS (OTHER THAN STREAM 14; SEE NOTE BELOW) WILL BE PERMITTED UNDER INDIVIDUAL 404 & 401 PERMITS. NO TEMPORARY FILL MATERIAL MAY BE PLACED IN ANY STREAM (OTHER THAN STREAM 14) UNTIL THE INDIVIDUAL 404 & 401 PERMITS ARE AUTHORIZED.

TEMPORARY STREAM CROSSING - STREAM 14 (NWP 33)

A TEMPORARY CROSSING FOR STREAM 14 WILL BE PERMITTED SEPARATELY UNDER NATIONWIDE PERMIT (NWP) 33. THE TEMPORARY CROSSING LOCATION WILL BE FIELD DETERMINED BY MUTUAL AGREEMENT BETWEEN THE CONTRACTOR, FIELD ENGINEER, AND AN ODOT D9 REPRESENTATIVE. THE CROSSING SHALL BE INSTALLED AS DIRECTED IN THE WATERWAY PERMIT SPECIAL PROVISIONS ISSUED BY ODOT FOR STREAM 14 UNDER NWP 33 (ATTACHED TO THESE CONSTRUCTION PLANS). NO TEMPORARY FILL MATERIAL MAY BE PLACED IN STREAM 14 AND NO TREES MAY BE CLEARED TO INSTALL THE TEMPORARY CROSSING UNTIL NWP 33 IS AUTHORIZED.

ALL LABOR, EQUIPMENT, AND MATERIALS SHALL BE INCLUDED IN THE COST OF THE TEMPORARY STREAM CROSSING, AS PER PLAN AND SHALL BE CONSIDERED INCIDENTAL TO THE COST OF SPECIAL PROVISION - WATERWAY PERMIT.

HYDRAULIC DATA STREAM #14	
DRAINAGE AREA	= 60 AC.
Q50	= 149 CFS
Q100	= 179 CFS
50V	= 16.7 FPS
100V	= 17.4 FPS
50HW	= 603.5
100HW	= 605.5
OHWmi	= 597.3
OHWmo	= 522.8
pH	= 7.6

POINT NUMBER	MONUMENT TYPE	GRID COORDINATES		PROJECT COORDINATES		ELEVATION (U.S. SURVEY FEET)
		EASTING (U.S. SURVEY FEET)	NORTHING (U.S. SURVEY FEET)	EASTING (U.S. SURVEY FEET)	NORTHING (U.S. SURVEY FEET)	
1201	Δ	1981116.880	157971.101	1981028.724	157964.072	585.56
1202	Δ	1980476.143	158263.806	1980388.016	158256.764	572.16
1203	Δ	1986077.432	161632.018	1985989.056	161624.826	568.32
1204	Δ	1987279.382	164520.042	1987190.952	164512.721	575.38
1205	Δ	1990758.400	166977.293	1990669.816	166969.863	634.55
1206	Δ	1994607.847	164825.725	1994519.091	164818.3902	550.92
1207	Δ					DISTURBED
1208	Δ	2004743.902	163495.549	2004654.695	163488.2738	590.34
1209	Δ	2005934.126	163885.043	2005844.866	163877.7504	608.56

Δ 5/8" REBAR W/ ALUM. CAP SET IN CONCRETE

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GENERAL NOTES

LAW-7-2.17
TREE CLEARING

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SHEET NUM.						PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
					SHEETS	01/S>2/01		EXT	TOTAL			
ROADWAY												
					P.20	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 1-WL, 1-CH)	P.8
					P.20, P.21, P.22	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 7)	P.8
					P.22, P.23	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 10-WL, 10-WDV)	P.8
					P.22, P.23	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 10-WL, 10-WDV)	P.8
					P.23	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 11-WL)	P.8
					P.23	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 11-WL)	P.8
					P.23	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 12-WL, 12-WDV)	P.8
					P.23	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 12-WL, 12-WDV)	P.8
					P.23	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 13-WL, 13-WDV)	P.8
					P.23	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 13-WL, 13-WDV)	P.8
					P.23, P.24, P.25	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 16-WL1, 16-WL2)	P.8
					P.23	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 21-WL)	P.8
					P.23	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 22-WL)	P.8
					P.23	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 23-WL, 23-WD)	P.8
					P.23	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 24-WL, 24-WD)	P.8
					P.23	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 25-WL, 25-WD)	P.8
					P.23	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 27-WL, 27-WD)	P.8
					P.23	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 31-WL, 31-WDV)	P.8
					P.23	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 33-WL)	P.8
					P.23	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 35-WL)	P.8
					P.23, P.24	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 36-WL)	P.8
					P.23, P.24	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 37-WL)	P.8
					P.24	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 38-WL)	P.8
					P.24	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 39-WL, 39-WDV)	P.8
					P.24	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 41-WL)	P.8
					P.24, P.25	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 45-WL)	P.8
					P.24, P.25, P.26	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 46-WL)	P.8
					P.24	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 46A)	P.8
					P.23, P.24, P.25	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 47-WL, 47-WDV)	P.8
					P.23, P.24, P.25	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 48-WL)	P.8
					P.24	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 49-WL)	P.8
					P.24, P.25, P.26	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 50-WL)	P.8
					P.24, P.25, P.26	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 50-WL)	P.8
					P.26	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 53-WL)	P.8
					P.26	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 53-WL)	P.8
					P.26	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 55-WL1, 55-WL2, 55-T)	P.8
					P.26	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 55-WL1, 55-WL2, 55-T)	P.8
					P.26	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 57-WL)	P.8
					P.26	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 57-WL)	P.8
					P.26, P.27	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 59-WL)	P.8
					P.26, P.27	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 59-WL)	P.8
					P.26, P.27	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 60-WL)	P.8
					P.26, P.27	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 60-WL)	P.8
					P.27	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 62-WL)	P.8
					P.27	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 62-WL)	P.8
					P.26, P.27	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 63-WL, 63-WDV)	P.8
					P.26, P.27	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 63-WL, 63-WDV)	P.8
					P.27	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 64-WL, 64-T)	P.8
					P.27	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 64-WL, 64-T)	P.8
					P.27	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 65-WL)	P.8
					P.27	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 66-WL, 66-WD)	P.8
					P.27	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 66-WL, 66-WD)	P.8
					P.27, P.29	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 68-WL, 68-WDV)	P.8
					P.27, P.28, P.29	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 69-WL, 69-WDV)	P.8
					P.27	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 70-WL)	P.8

GENERAL SUMMARY

**LAW-7-2.17
TREE CLEARING**

CALCULATED
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SHEET NUM.				PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
			SHEETS	01/S>2/01		EXT	TOTAL			
ROADWAY CONT.										
			P.27, P.28	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 71-WL, 71-WDV)	P.8
			P.27, P.28	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 71-WL, 71-WDV)	P.8
			P.27, P.28	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 72-WDV)	P.8
			P.29	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 73-WL, 73-WDV, 73-T)	P.8
			P.29	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 79-WL, 79-WDV)	P.8
			P.28, P.29	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 81-WL)	P.8
			P.28, P.29	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 82-WL, 82-WDV)	P.8
			P.28, P.29	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 82-WL, 82-WDV)	P.8
			P.28	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 84-WL, 84-T)	P.8
			P.28	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 84-WL, 84-T)	P.8
			P.28	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 86-WL1, 86-WL2)	P.8
			P.28	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 86-WL1, 86-WL2)	P.8
			P.29	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 87-WL)	P.8
			P.29	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 88-WL)	P.8
			P.29	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 89-WL)	P.8
			P.28, P.29, P.30	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 90-WL)	P.8
			P.28, P.29, P.30	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 90-WL)	P.8
			P.30	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 90A-WL)	P.8
			P.30	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 90A-WL)	P.8
			P.28, P.30	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 91-WL1, 91-WL2)	P.8
			P.28, P.30	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 91-WL1, 91-WL2)	P.8
			P.29	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 92-WL)	P.8
			P.29, P.30	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 93-WL)	P.8
			P.30	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL 95-WL)	P.8
			P.30	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL 95-WL)	P.8
			P.29, P.30	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL 96-WL)	P.8
			P.30	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 98-WL)	P.8
			P.30	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 99-WL)	P.8
			P.30	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 99-WL)	P.8
			P.30	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 102)	P.8
			P.30	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 102)	P.8
			P.30, P.31	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 103-WL)	P.8
			P.30	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 103A-WL)	P.8
			P.30	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 103A-WL)	P.8
			P.30, P.31	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 106-WL, 106-WL2)	P.8
			P.30, P.31	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 106-WL, 106-WL2)	P.8
			P.31	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 108-WL)	P.8
			P.30	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 110-WL)	P.8
			P.30, P.31	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 111-WL)	P.8
			P.30, P.31	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 111-WL)	P.8
			P.31	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 112-WL)	P.8
			P.31	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 114-WL)	P.8
			P.31	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 118-WL)	P.8
			P.31	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 119-WL)	P.8
			P.31, P.32	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 120-WL)	P.8
			P.31, P.32	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 120-WL)	P.8
			P.31, P.32, P.33	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 121-WL, 121-WD)	P.8
			P.31, P.32, P.33	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 121-WL, 121-WD)	P.8
			P.33, P.35	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 124-WD)	P.8
			P.32, P.34, P.52	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 126-WL)	P.8
			P.32, P.34, P.52	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 126-WL)	P.8
			P.32, P.33, P.52	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 127-WL, 127-WD)	P.8
			P.32, P.34, P.52	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 132-WL, 132-WDV)	P.8
			P.34	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 136-WL)	P.8
			P.34	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 137-WL)	P.8
			P.34	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 137-WL)	P.8

GENERAL SUMMARY

LAW-7-2.17
TREE CLEARING

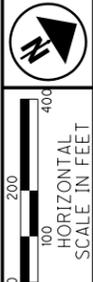
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SHEET NUM.				PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
		P.8	SHEETS	01/S>2/01		EXT	TOTAL			
ROADWAY CONT.										
			P.34	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 138-WL)	P.8
			P.34	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 138-WL)	P.8
			P.34	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 139-WL)	P.8
			P.34	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 140-WL)	P.8
			P.34	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 140-WL)	P.8
			P.34	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 141-WL)	P.8
			P.34	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 141-WL)	P.8
			P.34, P.36	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 142-WL1, 142-WL2, 142-WDV)	P.8
			P.34, P.36	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 142-WL1, 142-WL2, 142-WDV)	P.8
			P.34, P.35, P.36, P.37, P.38	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 143-WL1, 143-WL2, 143-WDV)	P.8
			P.34, P.35, P.36, P.37, P.38	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 143-WL1, 143-WL2, 143-WDV)	P.8
			P.34, P.35, P.36, P.37, P.38	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 145-WL, 145-WDV1, 145-WDV2)	P.8
			P.34, P.35, P.36	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 145-WL, 145-WDV1, 145-WDV2)	P.8
			P.35, P.36	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 146-WL)	P.8
			P.35, P.36	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 146-WL)	P.8
			P.37, P.38	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 147-WL, 147-WDV)	P.8
			P.35, P.37	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 149-WL, 149-WDV)	P.8
			P.35, P.37	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 149-WDV)	P.8
			P.37, P.38	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 151-WL1, 151-WL2, 151-WDV)	P.8
			P.37, P.38	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 153-WL, 153-WDV)	P.8
			P.37, P.38	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 153-WL, 153-WDV)	P.8
			P.37, P.38	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 154-WL)	P.8
			P.38	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 154A-WL)	P.8
			P.37, P.38, P.39, P.40, P.41, P.42, P.43	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 155-WL, 155-WDV)	P.8
			P.37, P.38, P.39, P.40, P.41, P.42, P.43	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 155-WL, 155-WDV)	P.8
			P.37, P.38, P.39	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 157-WDV)	P.8
			P.37, P.38, P.39	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 157-WDV)	P.8
			P.40	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 159-WL)	P.8
			P.41	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 164-WL)	P.8
			P.42, P.43, P.44	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 166-WL)	P.8
			P.42, P.43, P.44	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 166-WL)	P.8
			P.42, P.44, P.45, P.46, P.47, P.48, P.53, P.54	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 167-WL2, 167-WL3, 167-WL4)	P.8
			P.42, P.44, P.45, P.46, P.47, P.48, P.53, P.54	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 167-WL2, 167-WL3, 167-WL4)	P.8
			P.47	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 168-WL)	P.8
			P.54	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 252-WL)	P.8
			P.54	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 252-WL)	P.8
			P.54	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 255-WL)	P.8
			P.49, P.50, P.51, P.54	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - A, (PARCEL # 301-WL)	P.8
			P.49, P.50, P.51, P.54	LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN, TREE CLEARING AREA - B, (PARCEL # 301-WL)	P.8
		LS		LS	SPECIAL	69098400	LS		SPECIAL - DEBRIS REMOVAL AND DISPOSAL	P.8
EROSION CONTROL										
		LS		LS	832	15001	LS		STORM WATER POLLUTION PREVENTION PLAN, AS PER PLAN	P.8
		LS		LS	832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	P.8
		LS		LS	832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	P.8
		87,000		87,000	832	30000	87,000	EACH	EROSION CONTROL	P.8
MAINTENANCE OF TRAFFIC										
		50		50	616	10000	50	MGAL	WATER	P.8
INCIDENTALS										
				LS	614	11000	LS		MAINTAINING TRAFFIC	
				LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
				LS	624	10000	LS		MOBILIZATION	
				LS	103	05000	LS		PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND	

GENERAL SUMMARY

LAW-7-2.17
TREE CLEARING

SECTION 20, 21, 28 & 29
T-1-N, R-16-W, CONGRESS LANDS
UNION TOWNSHIP
LAWRENCE COUNTY, OHIO

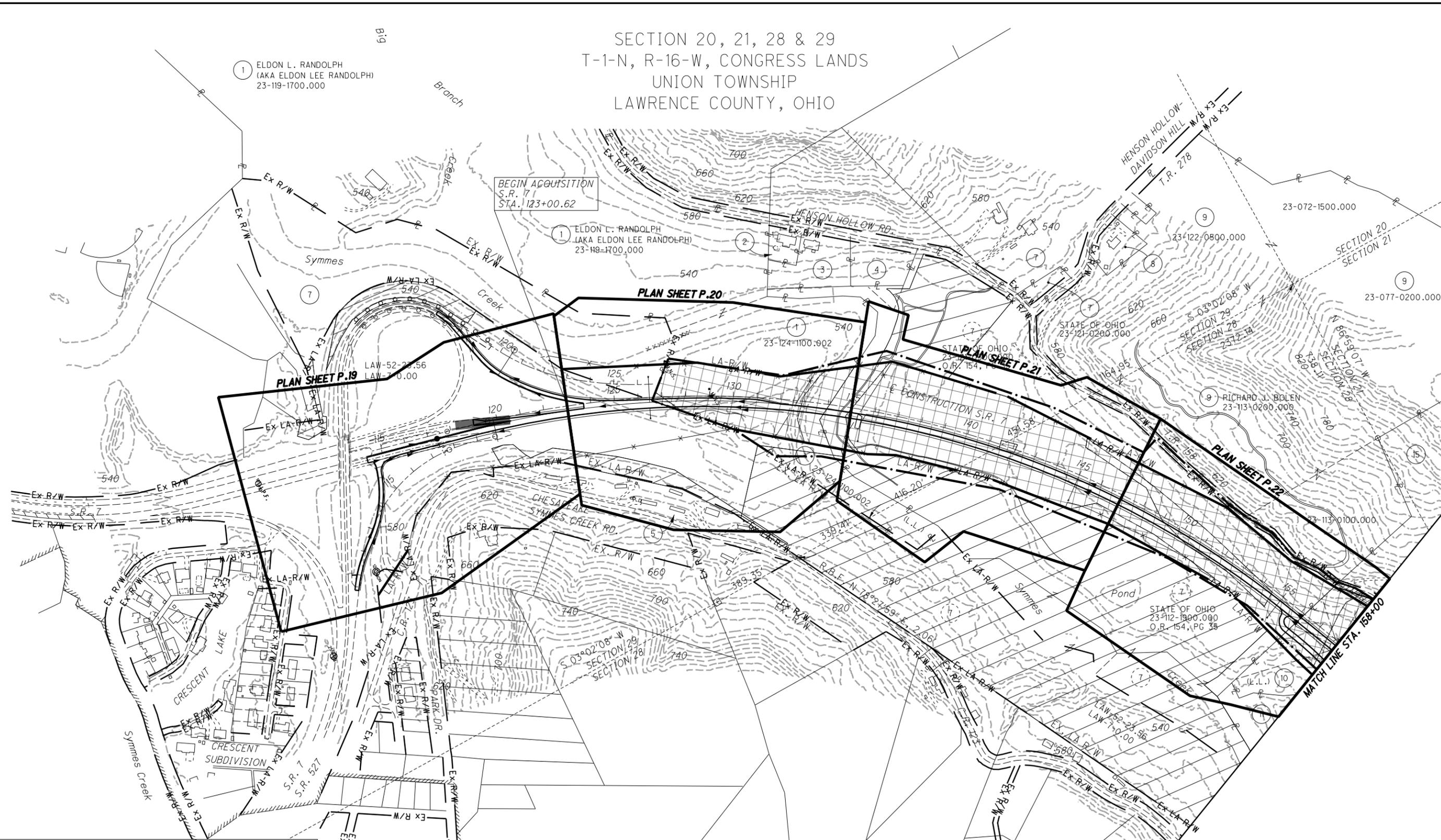


PID NO. **120720**
R/W DESIGNER TDW
R/W REVIEWER JQH

PROJECT SITE PLAN
STA. 114+58.46 TO STA. 158+00

LAW-7-2.17
TREE CLEARING

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PROJECT DATA	
CONSTRUCTION TYPE	NEW CONSTRUCTION
TOTAL AREA (RIGHT OF WAY)	343 ACRE
PROJECT EARTH DISTURBED AREA	17.9 ACRE
CONTRACTOR EARTH DISTURBED AREA	0 ACRE
NOTICE OF INTENT EARTH DISTURBED AREA	17.9 ACRE
IMMEDIATE RECEIVING WATERS	SYMMES CREEK INDIAN GUYAN CREEK LITTLE PADDY CREEK
SUBSEQUENT RECEIVING WATERS	OHIO RIVER

**USGS MAP: HUNTINGTON QUADRANGLE
WEST VIRGINIA - OHIO**
LATITUDE: 38°27'16" *
LONGITUDE: 82°25'19" *
***LATITUDE AND LONGITUDE APPROX.
CENTER OF PROJECT**
**THE POST-CONSTRUCTION BMPs WILL
BE PROVIDED IN FUTURE PHASES.**

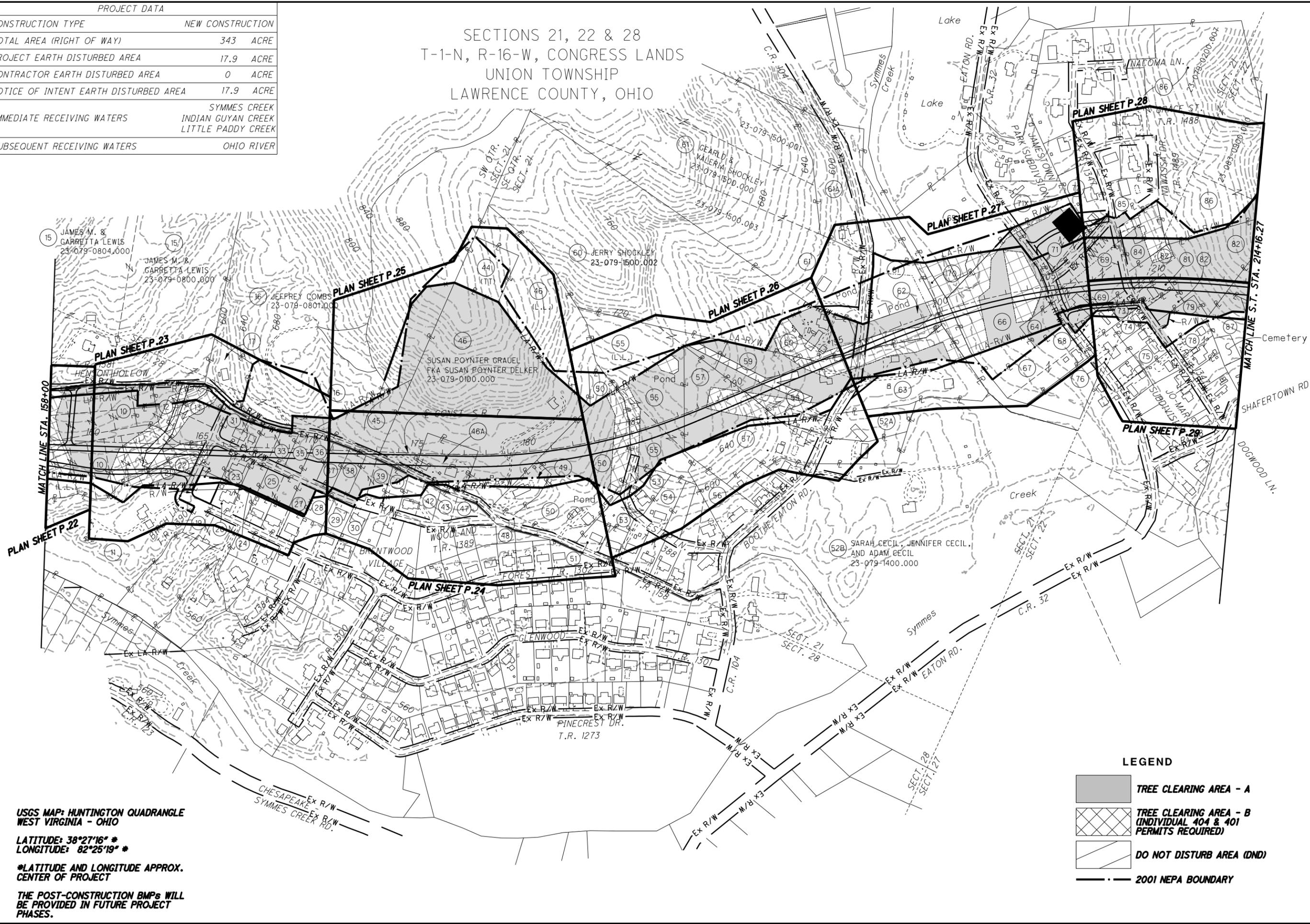
LEGEND

- TREE CLEARING AREA - A**
- TREE CLEARING AREA - B
(INDIVIDUAL 404 & 401
PERMITS REQUIRED)**
- DO NOT DISTURB AREA (DND)**
- 2001 NEPA BOUNDARY**

PROJECT DATA	
CONSTRUCTION TYPE	NEW CONSTRUCTION
TOTAL AREA (RIGHT OF WAY)	343 ACRE
PROJECT EARTH DISTURBED AREA	17.9 ACRE
CONTRACTOR EARTH DISTURBED AREA	0 ACRE
NOTICE OF INTENT EARTH DISTURBED AREA	17.9 ACRE
IMMEDIATE RECEIVING WATERS	SYMMES CREEK INDIAN GUYAN CREEK LITTLE PADDY CREEK
SUBSEQUENT RECEIVING WATERS	OHIO RIVER

SECTIONS 21, 22 & 28
T-1-N, R-16-W, CONGRESS LANDS
UNION TOWNSHIP
LAWRENCE COUNTY, OHIO

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USGS MAP: HUNTINGTON QUADRANGLE
WEST VIRGINIA - OHIO
LATITUDE: 38°27'16" *
LONGITUDE: 82°25'19" *
*LATITUDE AND LONGITUDE APPROX.
CENTER OF PROJECT
THE POST-CONSTRUCTION BMPs WILL
BE PROVIDED IN FUTURE PROJECT
PHASES.

LEGEND

	TREE CLEARING AREA - A
	TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
	DO NOT DISTURB AREA (DND)
	2001 NEPA BOUNDARY

HORIZONTAL SCALE IN FEET

PID NO. **120720**
 R/W DESIGNER TDW
 R/W REVIEWER JWH

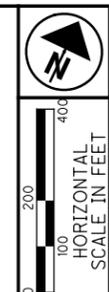
PROJECT SITE PLAN
STA. 158+00 TO STA. 214+16.27

LAW-7-2.17
TREE CLEARING

2 / 6

PROJECT DATA	
CONSTRUCTION TYPE	NEW CONSTRUCTION
TOTAL AREA (RIGHT OF WAY)	343 ACRE
PROJECT EARTH DISTURBED AREA	17.9 ACRE
CONTRACTOR EARTH DISTURBED AREA	0 ACRE
NOTICE OF INTENT EARTH DISTURBED AREA	17.9 ACRE
IMMEDIATE RECEIVING WATERS	SYMMES CREEK INDIAN GUYAN CREEK LITTLE PADDY CREEK
SUBSEQUENT RECEIVING WATERS	OHIO RIVER

SECTIONS 14, 15, 22 & 23
T-1-N, R-16-W, CONGRESS LANDS
UNION TOWNSHIP
LAWRENCE COUNTY, OHIO

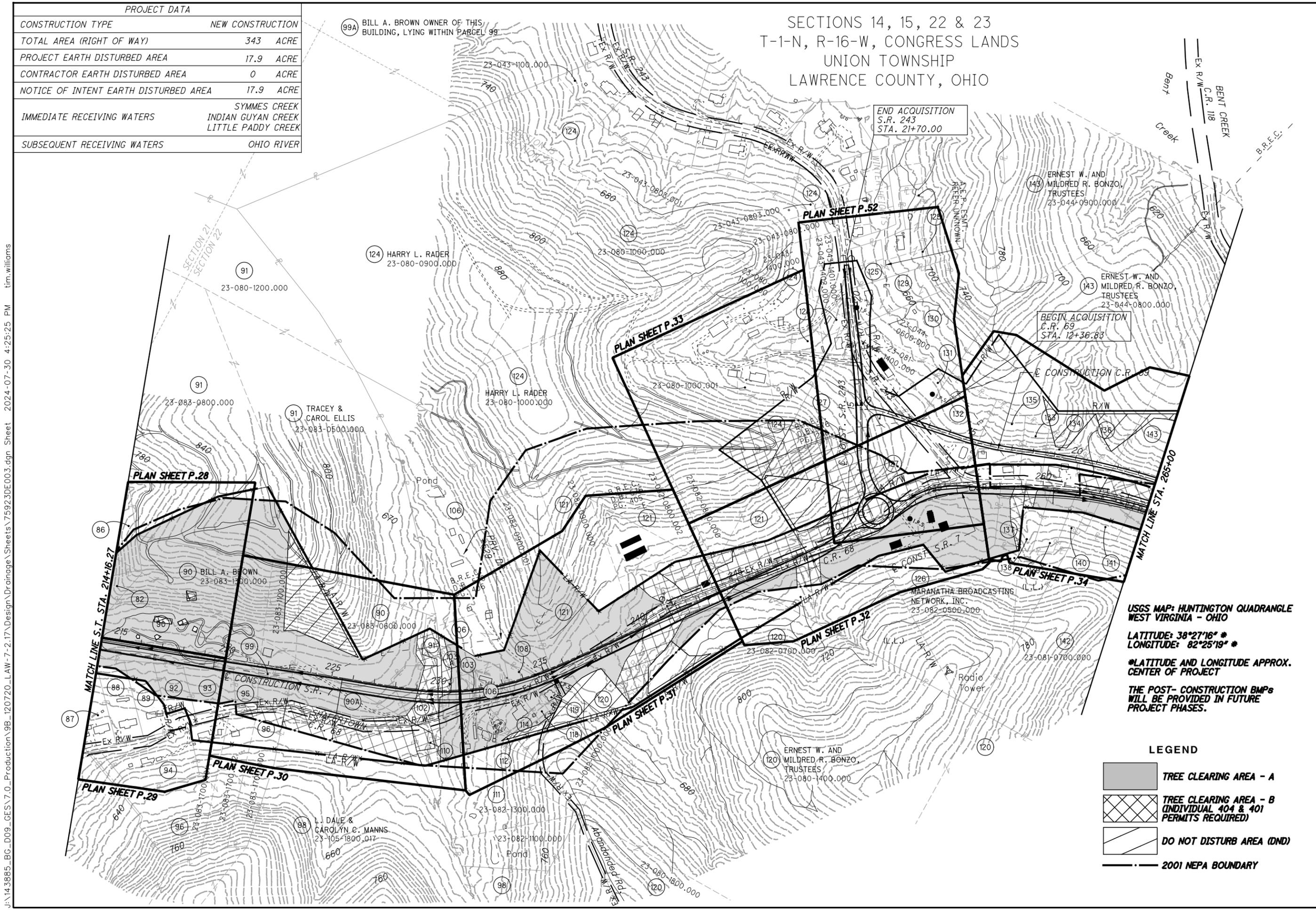


PID NO. **120720**
R/W DESIGNER TDW
R/W REVIEWER JQH

PROJECT SITE PLAN
STA. 214+16.27 TO STA. 265+00

LAW-7-2.17
TREE CLEARING

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BEGIN ACQUISITION
C.R. 69
STA. 12+36.83

END ACQUISITION
S.R. 243
STA. 21+70.00

USGS MAP: HUNTINGTON QUADRANGLE
WEST VIRGINIA - OHIO
LATITUDE: 38°27'16" *
LONGITUDE: 82°25'19" *
*LATITUDE AND LONGITUDE APPROX.
CENTER OF PROJECT
THE POST-CONSTRUCTION BMPs
WILL BE PROVIDED IN FUTURE
PROJECT PHASES.

- LEGEND**
- TREE CLEARING AREA - A
 - TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
 - DO NOT DISTURB AREA (DND)
 - 2001 NEPA BOUNDARY

USGS MAP: HUNTINGTON QUADRANGLE
WEST VIRGINIA - OHIO

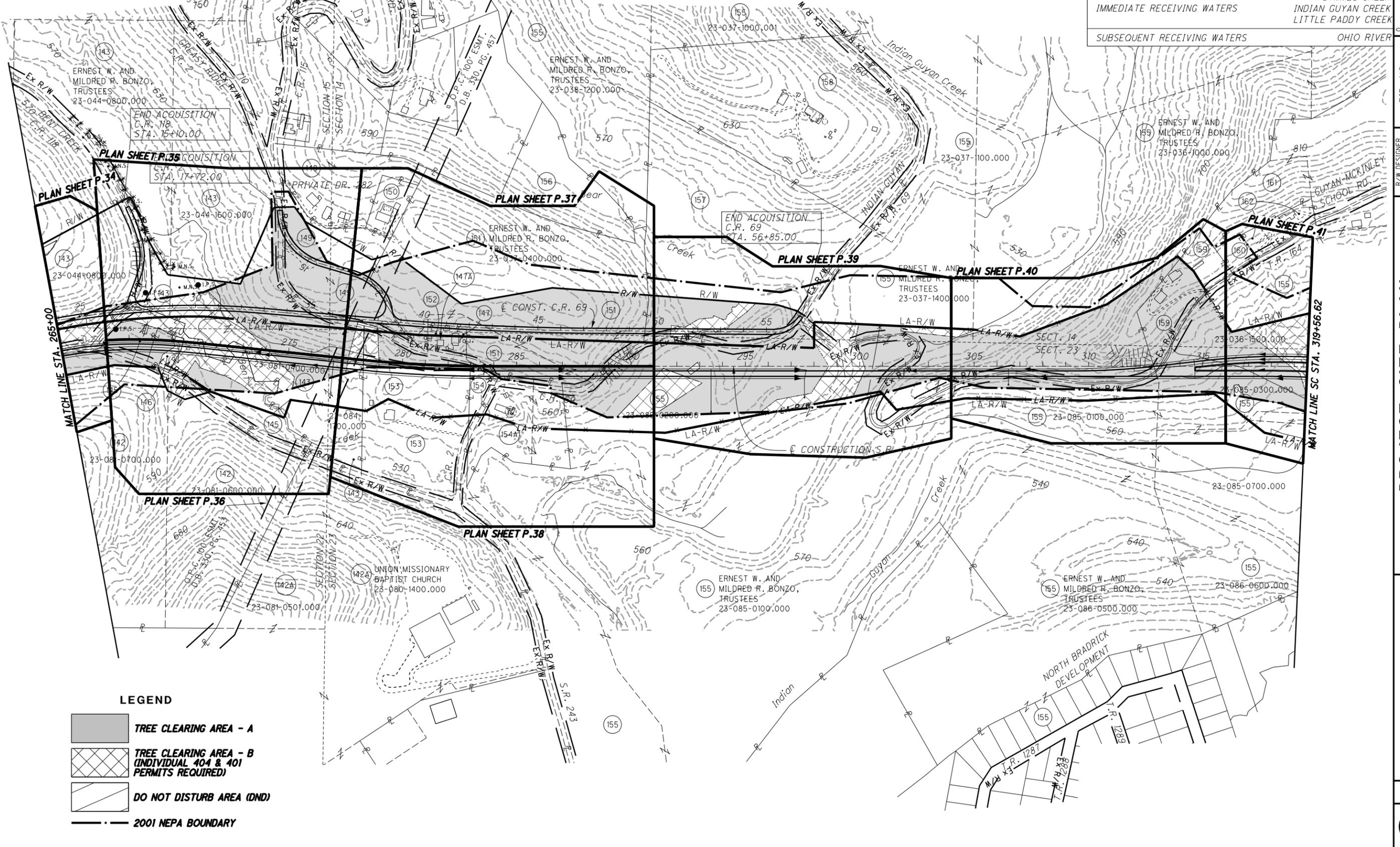
LATITUDE: 38°27'16" #
LONGITUDE: 82°25'19" #

*LATITUDE AND LONGITUDE APPROX.
CENTER OF PROJECT

THE POST-CONSTRUCTION BMPs WILL
BE PROVIDED IN FUTURE PHASES.

SECTIONS 13, 14, 23 & 24
T-1-N, R-16-W, CONGRESS LANDS
UNION TOWNSHIP
LAWRENCE COUNTY, OHIO

PROJECT DATA	
CONSTRUCTION TYPE	NEW CONSTRUCTION
TOTAL AREA (RIGHT OF WAY)	343 ACRE
PROJECT EARTH DISTURBED AREA	17.9 ACRE
CONTRACTOR EARTH DISTURBED AREA	0 ACRE
NOTICE OF INTENT EARTH DISTURBED AREA	17.9 ACRE
IMMEDIATE RECEIVING WATERS	SYMMES CREEK INDIAN GUYAN CREEK LITTLE PADDY CREEK
SUBSEQUENT RECEIVING WATERS	OHIO RIVER



LEGEND

	TREE CLEARING AREA - A
	TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
	DO NOT DISTURB AREA (DND)
	2001 NEPA BOUNDARY

PID NO. **120720**

R/W DESIGNER TDW
R/W REVIEWER JQH

PROJECT SITE PLAN
STA. 265+00 TO STA. 319+56.62

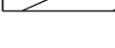
LAW-7-2.17
TREE CLEARING

4 / 6

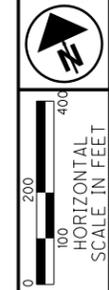
P.16
54

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LEGEND

-  TREE CLEARING AREA - A
-  TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
-  DO NOT DISTURB AREA (DND)
-  2001 NEPA BOUNDARY

SECTIONS 13, 23 & 24
T-1-N, R-16-W, CONGRESS LANDS
UNION TOWNSHIP
LAWRENCE COUNTY, OHIO

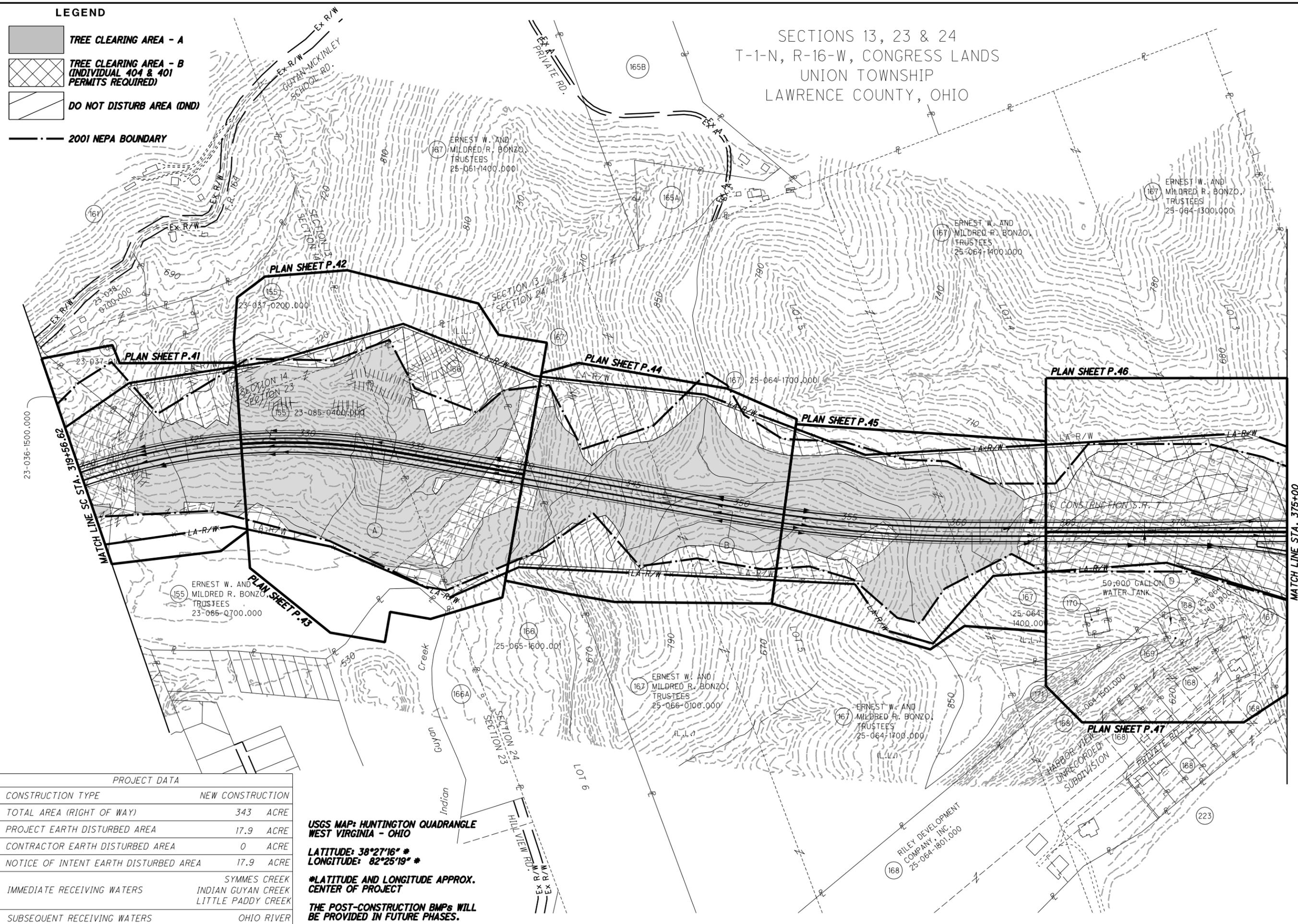


PID NO. **120720**
R/W DESIGNER TDW
R/W REVIEWER JQH

PROJECT SITE PLAN
STA. 319+56.62 TO STA. 375+00

LAW-7-2.17
TREE CLEARING

J:\143885_BG_D09_GES\7.0_Production\9B_120720_LAW-7-2.17_Design\Drainage\Sheets\759230E005.dgn Sheet 2024-07-10 10:36:45 AM Tim.Williams



PROJECT DATA	
CONSTRUCTION TYPE	NEW CONSTRUCTION
TOTAL AREA (RIGHT OF WAY)	343 ACRE
PROJECT EARTH DISTURBED AREA	17.9 ACRE
CONTRACTOR EARTH DISTURBED AREA	0 ACRE
NOTICE OF INTENT EARTH DISTURBED AREA	17.9 ACRE
IMMEDIATE RECEIVING WATERS	
SYMMES CREEK INDIAN GUYAN CREEK LITTLE PADDY CREEK	
SUBSEQUENT RECEIVING WATERS	
OHIO RIVER	

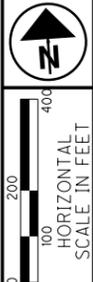
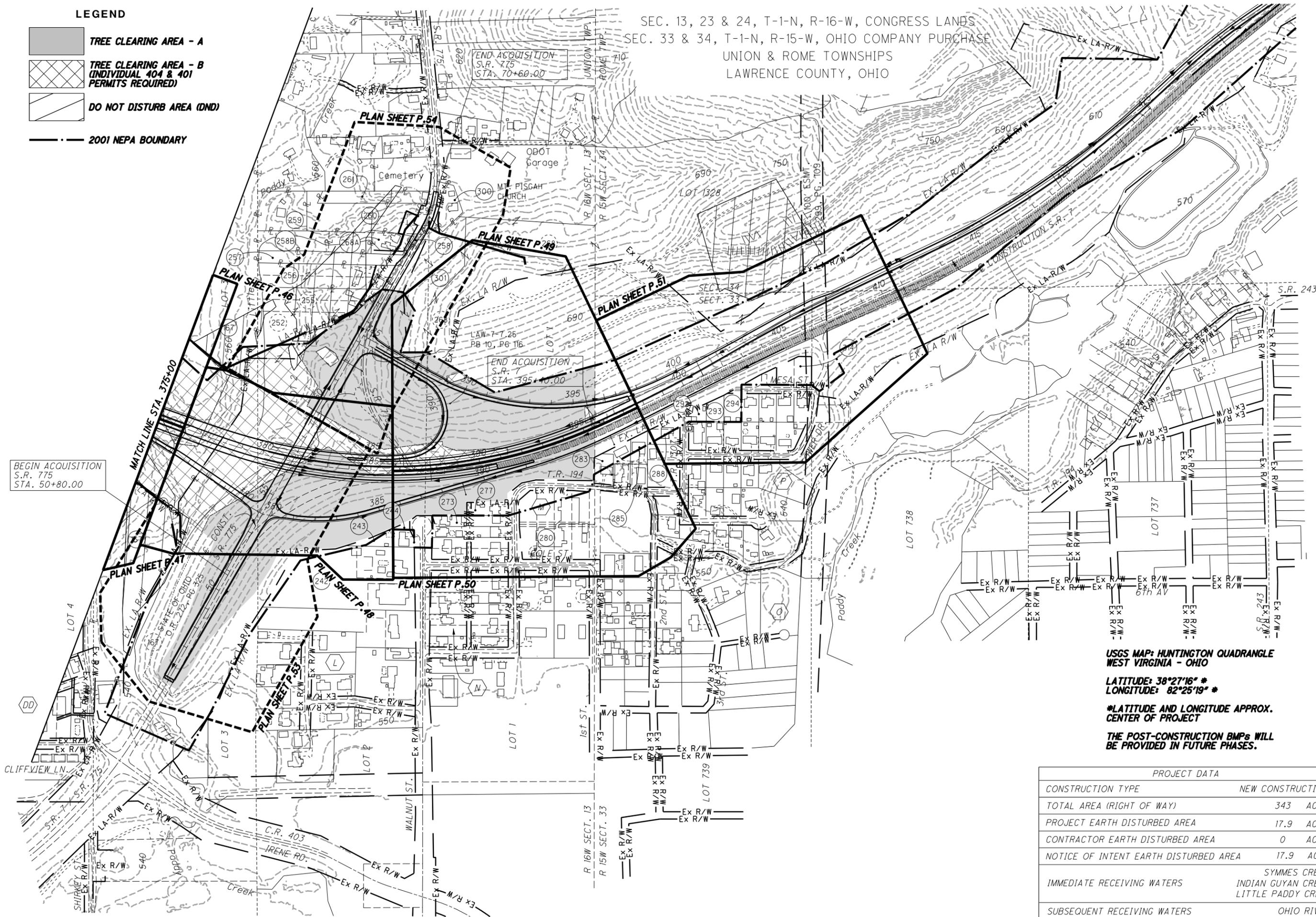
**USGS MAP: HUNTINGTON QUADRANGLE
WEST VIRGINIA - OHIO**
LATITUDE: 38°27'16" *
LONGITUDE: 82°25'19" *
***LATITUDE AND LONGITUDE APPROX.
CENTER OF PROJECT**
**THE POST-CONSTRUCTION BMPs WILL
BE PROVIDED IN FUTURE PHASES.**

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LEGEND

-  TREE CLEARING AREA - A
-  TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
-  DO NOT DISTURB AREA (DND)
-  2001 NEPA BOUNDARY

SEC. 13, 23 & 24, T-1-N, R-16-W, CONGRESS LANDS
 SEC. 33 & 34, T-1-N, R-15-W, OHIO COMPANY PURCHASE
 UNION & ROME TOWNSHIPS
 LAWRENCE COUNTY, OHIO



PID NO. **120720**
 R/W DESIGNER TDW
 R/W REVIEWER JWH

PROJECT SITE PLAN
STA. 375+00 TO STA. 409+59.26

LAW-7-2.17
TREE CLEARING

6/6
 P.18
 54

USGS MAP: HUNTINGTON QUADRANGLE WEST VIRGINIA - OHIO

LATITUDE: 38°27'16" *
 LONGITUDE: 82°25'19" *

*LATITUDE AND LONGITUDE APPROX. CENTER OF PROJECT

THE POST-CONSTRUCTION BMPs WILL BE PROVIDED IN FUTURE PHASES.

PROJECT DATA	
CONSTRUCTION TYPE	NEW CONSTRUCTION
TOTAL AREA (RIGHT OF WAY)	343 ACRE
PROJECT EARTH DISTURBED AREA	17.9 ACRE
CONTRACTOR EARTH DISTURBED AREA	0 ACRE
NOTICE OF INTENT EARTH DISTURBED AREA	17.9 ACRE
IMMEDIATE RECEIVING WATERS	SYMMES CREEK INDIAN GUYAN CREEK LITTLE PADDY CREEK
SUBSEQUENT RECEIVING WATERS	OHIO RIVER

LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 29, T-1-N, R-16-W

S.R. 7 - CURVE NO. 1

P.I. STA. 138+60.99 $\theta_s = 1^\circ 16' 21''$
 $\Delta = 53^\circ 33' 53''$ (RT) $L_s = 175.00'$
 $D_c = 1^\circ 27' 15''$ $T_s = 2,076.38'$
 $R = 3,940.00'$ $LT = 116.67'$
 $T = 1,880.13'$ $ST = 58.34'$
 $L = 3,508.44'$ CS STA. 154+68.05
 $E = 425.60'$ ST STA. 156+43.05
 TS STA. 117+84.61
 SC STA. 119+59.61

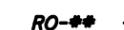
7 STATE OF OHIO
LAW-52-23.56
LAW-7-0.00

DEBRIS PILE
APPROX. LOCATION
(TO BE REMOVED)
(SEE NOTE SHEET P.8)

STA. 1417+50 EX. S.R. 7 BACK =
STA. 113+38.40 EX. S.R. 7 AHEAD =
STA. 1412+33.87 EX. S.R. 7

BEGIN WORK
S.R. 7
STA. 1416+45.92

LEGEND

-  TREE CLEARING AREA - A
-  TREE CLEARING AREA - B
(INDIVIDUAL 404 & 401
PERMITS REQUIRED)
-  DO NOT DISTURB AREA (DND)
-  2001 NEPA BOUNDARY
-  RO-** - POTENTIAL BAT HABITAT

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR
PERFORM ANY WORK WITHIN THE DO
NOT DISTURB AREAS OR TREE
CLEARING AREA - B WITHOUT PRIOR
WRITTEN APPROVAL. SEE NOTES
SHEET P.9.



 PID NO. **120720**
 R/W DESIGNER TDW
 R/W REVIEWER JQH
TREE CLEARING PLAN - S.R. 7
STA. 114+57.60 TO STA. 123+00
 LAW-7-2.17
TREE CLEARING
 1/36


J:\143885_BG_D09_GES\7.0_Production\9B_120720_LAW-7-2.17\Design\RW_Sheets\75923RT001.dgn Sheet 2024-07-10 10:36:59 AM Tim Williams

LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 29, T-1-N, R-16-W

CURVE DATA
S.R. 7
CURVE NO. 1

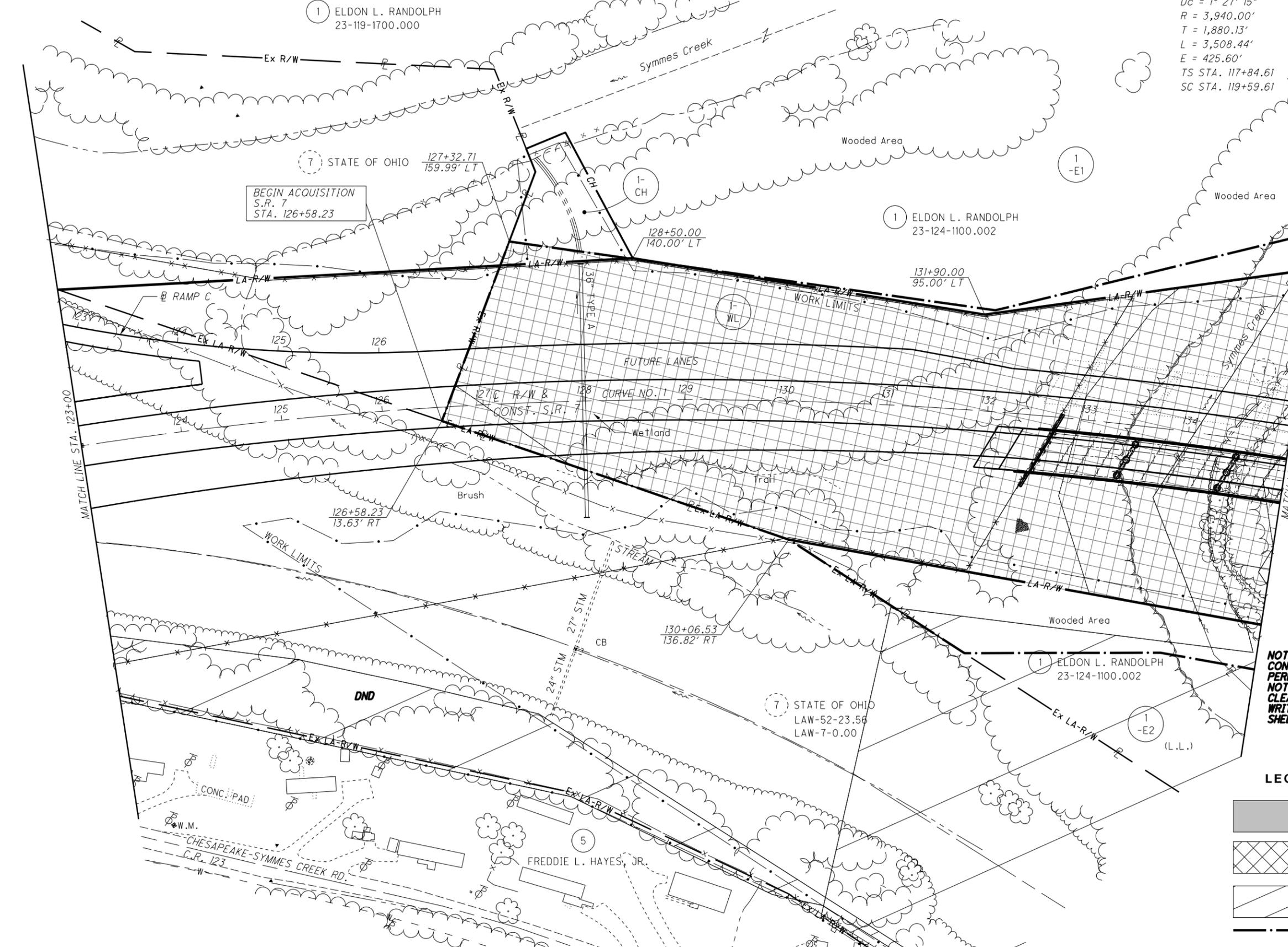
P.I. STA. 138+60.99 $\theta_s = 1^\circ 16' 21''$
 $\Delta = 53^\circ 33' 53''$ (RT) $L_s = 175.00'$
 $D_c = 1^\circ 27' 15''$ $T_s = 2,076.38'$
 $R = 3,940.00'$ $L_T = 116.67'$
 $T = 1,880.13'$ $ST = 58.34'$
 $L = 3,508.44'$ $CS STA. 154+68.05$
 $E = 425.60'$ $ST STA. 156+43.05$
 $TS STA. 117+84.61$
 $SC STA. 119+59.61$



PID NO. **120720**
 R/W DESIGNER TDW
 R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
 STA. 123+00 TO STA. 135+00

LAW-7-2.17
 TREE CLEARING



NOTE TO CONTRACTOR:
 CONTRACTOR SHALL NOT ENTER OR
 PERFORM ANY WORK WITHIN THE DO
 NOT DISTURB AREAS OR TREE
 CLEARING AREA - B WITHOUT PRIOR
 WRITTEN APPROVAL. SEE NOTES
 SHEET P.9.

LEGEND

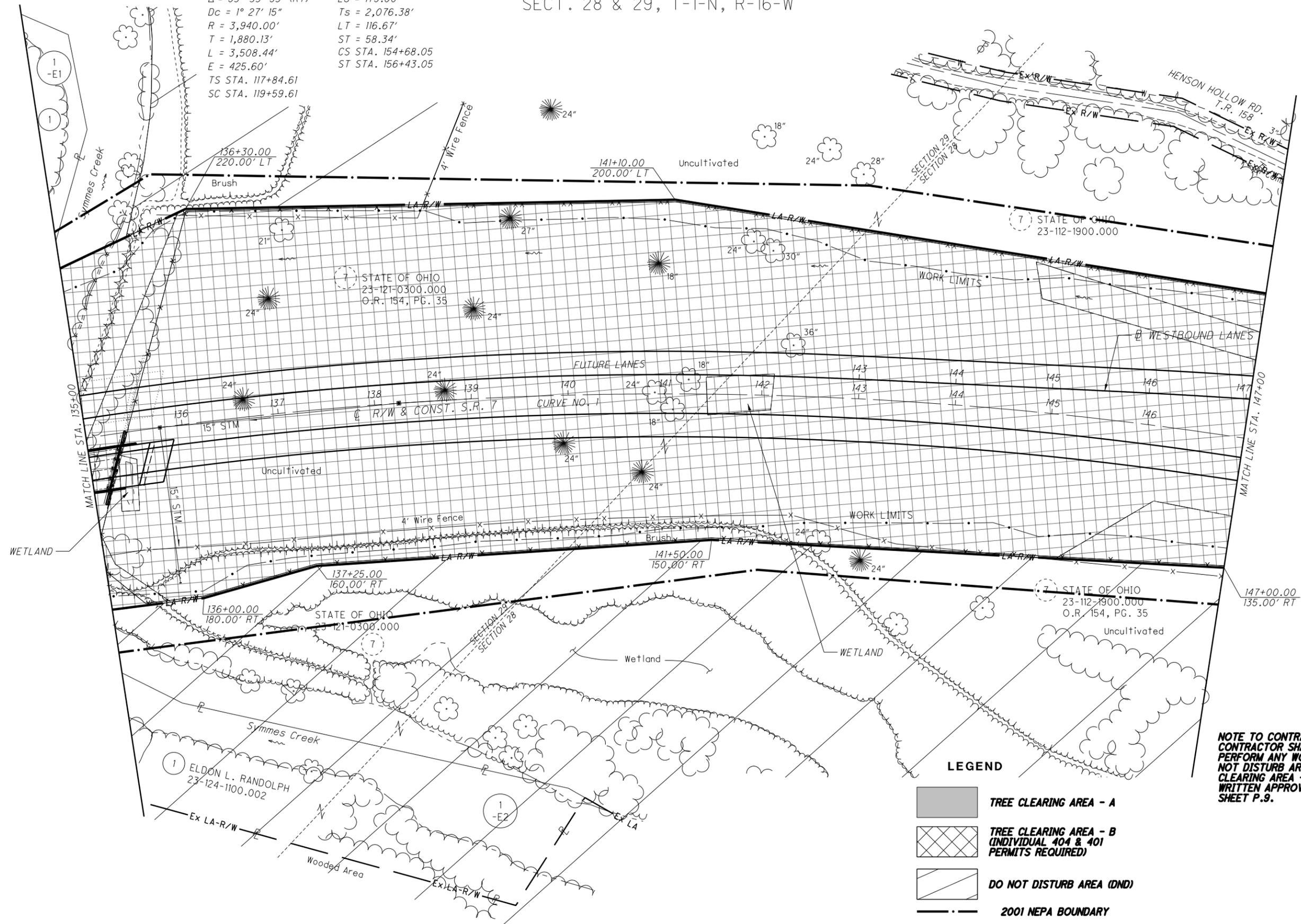
- TREE CLEARING AREA - A
- TREE CLEARING AREA - B
(INDIVIDUAL 404 & 401
PERMITS REQUIRED)
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- RO-** - POTENTIAL BAT HABITAT

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LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 28 & 29, T-1-N, R-16-W

CURVE DATA
S.R. 7
CURVE NO. 1

P.I. STA. 138+60.99 $\theta_s = 1^\circ 16' 21''$
 $\Delta = 53^\circ 33' 53''$ (RT) $L_s = 175.00'$
 $D_c = 1^\circ 27' 15''$ $T_s = 2,076.38'$
 $R = 3,940.00'$ $LT = 116.67'$
 $T = 1,880.13'$ $ST = 58.34'$
 $L = 3,508.44'$ $CS STA. 154+68.05$
 $E = 425.60'$ $ST STA. 156+43.05$
 $TS STA. 117+84.61$
 $SC STA. 119+59.61$



LEGEND

- TREE CLEARING AREA - A
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.

0 50 100
HORIZONTAL SCALE IN FEET

PID NO. **120720**

R/W DESIGNER TDW
R/W REVIEWER JWH

TREE CLEARING PLAN - S.R. 7
STA. 135+00 TO STA. 147+00

LAW-7-2.17
TREE CLEARING

3 / 36

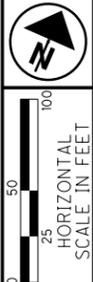
P.21
54

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LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 28, T-1-N, R-16-W

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR
PERFORM ANY WORK WITHIN THE DO
NOT DISTURB AREAS OR TREE
CLEARING AREA - B WITHOUT PRIOR
WRITTEN APPROVAL. SEE NOTES
SHEET P.9.

APPROX. LOCATION
ACCESS POINT 2
HENSON HOLLOW
EMERGENCY ACCESS



PID NO. **120720**
R/W DESIGNER TDW
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
STA. 147+00 TO STA. 160+00

LAW-7-2.17
TREE CLEARING
4 / 36
P.22
54



CURVE DATA
S.R. 7
CURVE NO. 1

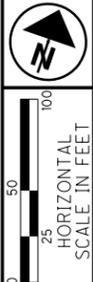
P.I. STA. 138+60.99	$\theta_s = 1^\circ 16' 21''$
$\Delta = 53^\circ 33' 53''$ (RT)	$L_s = 175.00'$
$D_c = 1^\circ 27' 15''$	$T_s = 2,076.38'$
$R = 3,940.00'$	$LT = 116.67'$
$T = 1,880.13'$	$ST = 58.34'$
$L = 3,508.44'$	CS STA. 154+68.05
$E = 425.60'$	ST STA. 156+43.05
TS STA. 117+84.61	
SC STA. 119+59.61	

- LEGEND**
- TREE CLEARING AREA - A
 - TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
 - DO NOT DISTURB AREA (DND)
 - 2001 NEPA BOUNDARY
 - RO-## - POTENTIAL BAT HABITAT

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LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 21 & 28, T-1-N, R-16-W

- 22 JOHN M. HILL, II & MANDY J. HILL
- 23 BRAD & EMMA MCNEILL
- 24 ROBERT & CONCEPCION J. HINTZ
- 25 JAMES T. & MELISSA POINTER
- 27 RYAN B. & LESLIE R. DAVIS
- 28 DANNY HOLSCHUH AND FRED HAYES
- 31 JAMES R. & REBECCA MCCOMAS
- 33 ROBERT & CONCEPCION HINTZ
- 35 STATE OF OHIO
- 36 STATE OF OHIO
- 37 STEVEN D. & LESLIE R. FLOUHOUSE
- 45 RICHARD HOUSTON



PID NO. 120720

R/W DESIGNER TDW
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
STA. 160+00 TO STA. 170+80

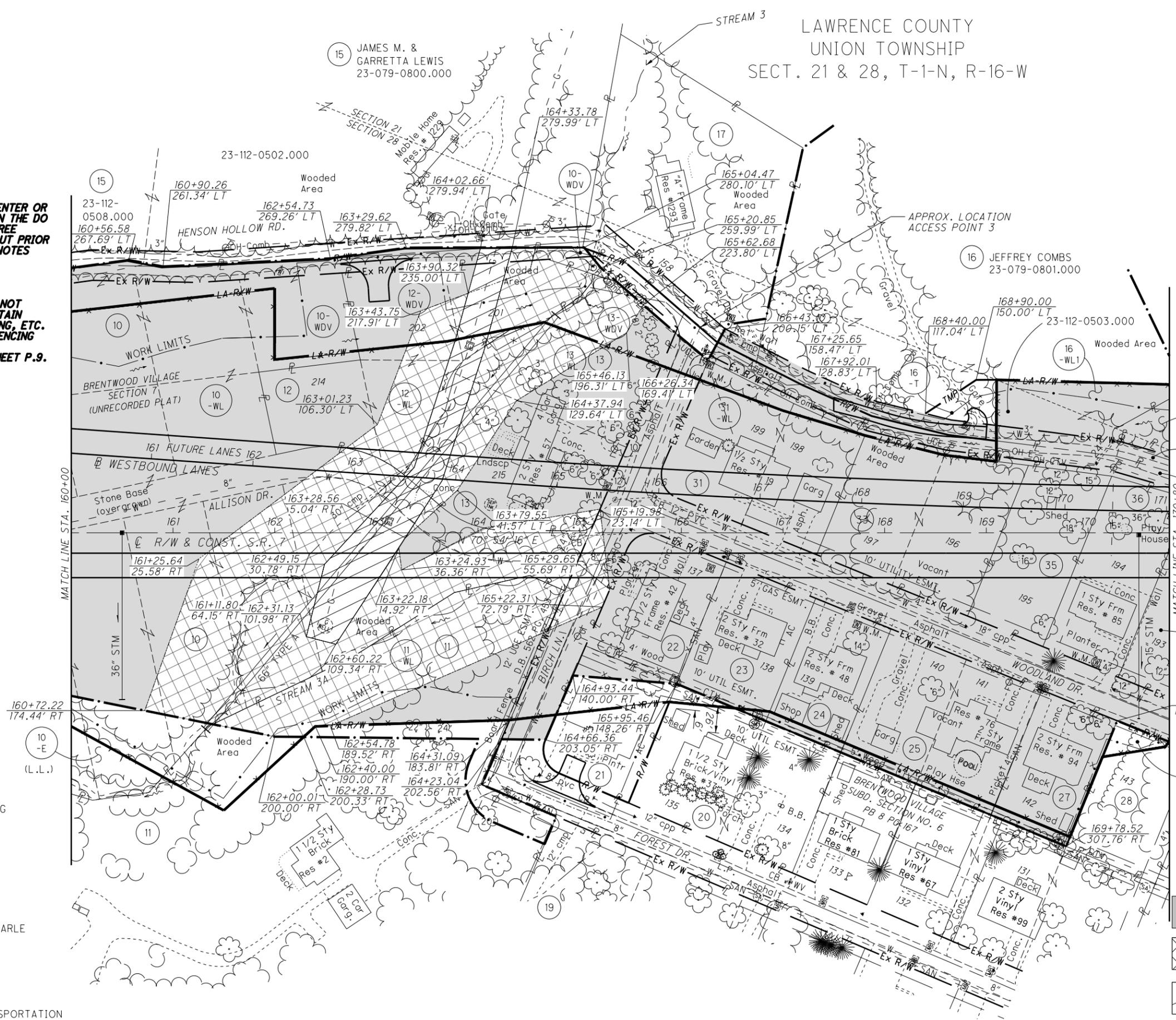
LAW-7-2.17
TREE CLEARING

5 / 36

P.23
54

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.

NOTE TO CONTRACTOR:
THIS SHEET CONTAINS DO NOT DISTURB AREAS THAT CONTAIN NATURAL GAS WELLS, PIPING, ETC. THAT REQUIRES ORANGE FENCING INSTALLED AROUND THESE FACILITIES. SEE NOTES SHEET P.9.



- 10 HOWARD W. & RUTH R. PERDUE, AND NANCY P. HAMBURG
- 11 RONNIE & LYNN M. KINGERY
- 12 HOWARD W. & RUTH R. PERDUE
- 13 ROBERT P. & ELIZABETH M. TABER
- 17 FRANCESCA KARLE AND DAVID & ANTONETTA KARLE
- 19 WILLARD D. SPEARS
- 20 PENNY SUE MARTIN AND BRIAN S. MARTIN
- 21 STATE OF OHIO DEPARTMENT OF TRANSPORTATION

LEGEND

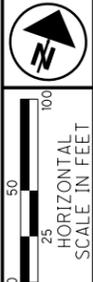
- TREE CLEARING AREA - A
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

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LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 21 & 28, T-1-N, R-16-W

MATCH LINE - SEE SHEET 7 / 36

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR
PERFORM ANY WORK WITHIN THE DO
NOT DISTURB AREAS OR TREE
CLEARING AREA - B WITHOUT PRIOR
WRITTEN APPROVAL. SEE NOTES
SHEET P.9.



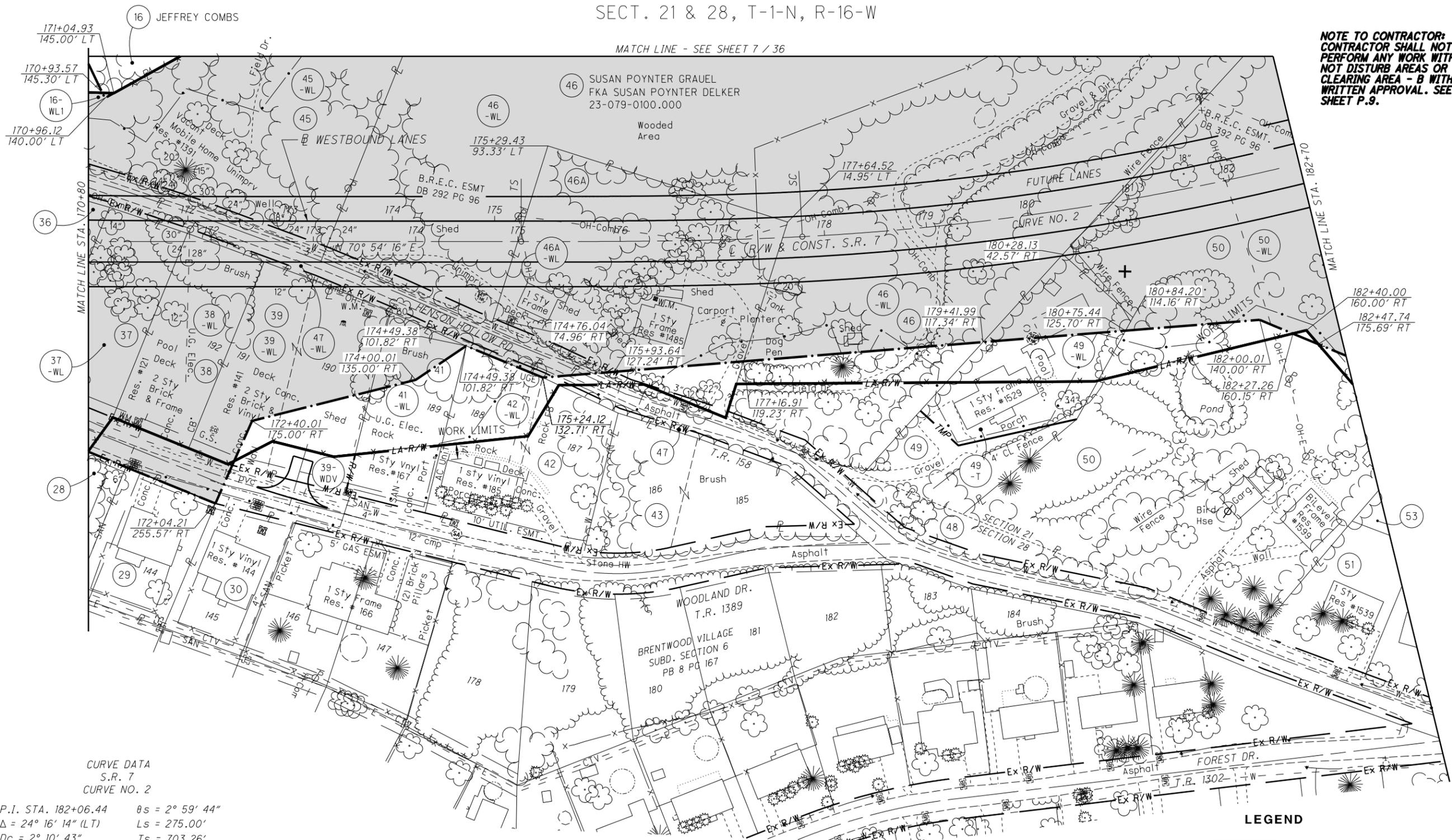
PID NO. 120720
R/W DESIGNER TDW
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
STA. 170+80 TO STA. 182+70 (SOUTH)

LAW-7-2.17
TREE CLEARING

6 / 36

P.24
54



CURVE DATA
S.R. 7
CURVE NO. 2

P.I. STA. 182+06.44 $\theta_s = 2^\circ 59' 44''$
 $\Delta = 24^\circ 16' 14''$ (LT) $L_s = 275.00'$
 $D_c = 2^\circ 10' 43''$ $T_s = 703.26'$
 $R = 2,630.00'$ $LT = 183.36'$
 $T = 423.13'$ $ST = 91.69'$
 $L = 839.08'$ $CS STA. 186+17.26$
 $E = 33.82'$ $ST STA. 188+92.26$
 $TS STA. 175+03.18$
 $SC STA. 177+78.18$

SEE SHEET 47/82 FOR
R/W IDENTIFIERS NOT SHOWN HEREON

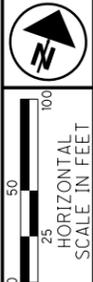
- | | | | |
|--------------------------------------|---|---|--|
| (28) DANNY HOLSCHUH AND FRED HAYES | (38) DWAYNE E. & SHANNON ALLEN | (44) PATRICIA R. LEWIS | (48) W.F. McCOY (HEIRS & ASSIGNS) |
| (29) GLEN D. & CAROL J. CHAPMAN | (39) JERRY D. & ANGELA D. EDDY | (45) RICHARD HOUSTON | (49) CAROL R. FIELDS |
| (30) NATALIE L. CAMPBELL | (41) RONALD L. & OSIE M. CLEVELAND | (46A) BIRDIE J. FRIEND | (50) DONALD RAYMOND WAUGH |
| (36) STATE OF OHIO | (42) OSIE M. CLEVELAND & CARLOS D. & PATRICIA A. MARCUM | (46) SUSAN POYNTER GRAUEL FKA SUSAN POYNTER DELKER | (51) OTIS M. & CATHRYN J. JUSTICE |
| (37) STEVEN D. & LESLIE R. FLOUHOUSE | (43) HOWARD W. PERDUE, JR. & RUTH R. PERDUE | (47) THE TWENTIETH STREET BANK, A WEST VIRGINIA BANKING CORPORATION | (53) JOHNNIE R. SCOTT & SARAH A. GILLESPIE |

LEGEND

- TREE CLEARING AREA - A
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- RO-** - POTENTIAL BAT HABITAT

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LAWRENCE COUNTY
 UNION TOWNSHIP
 SECT. 21, T-1-N, R-16-W



PID NO.
120720

R/W DESIGNER TDW
 R/W REVIEWER JQH

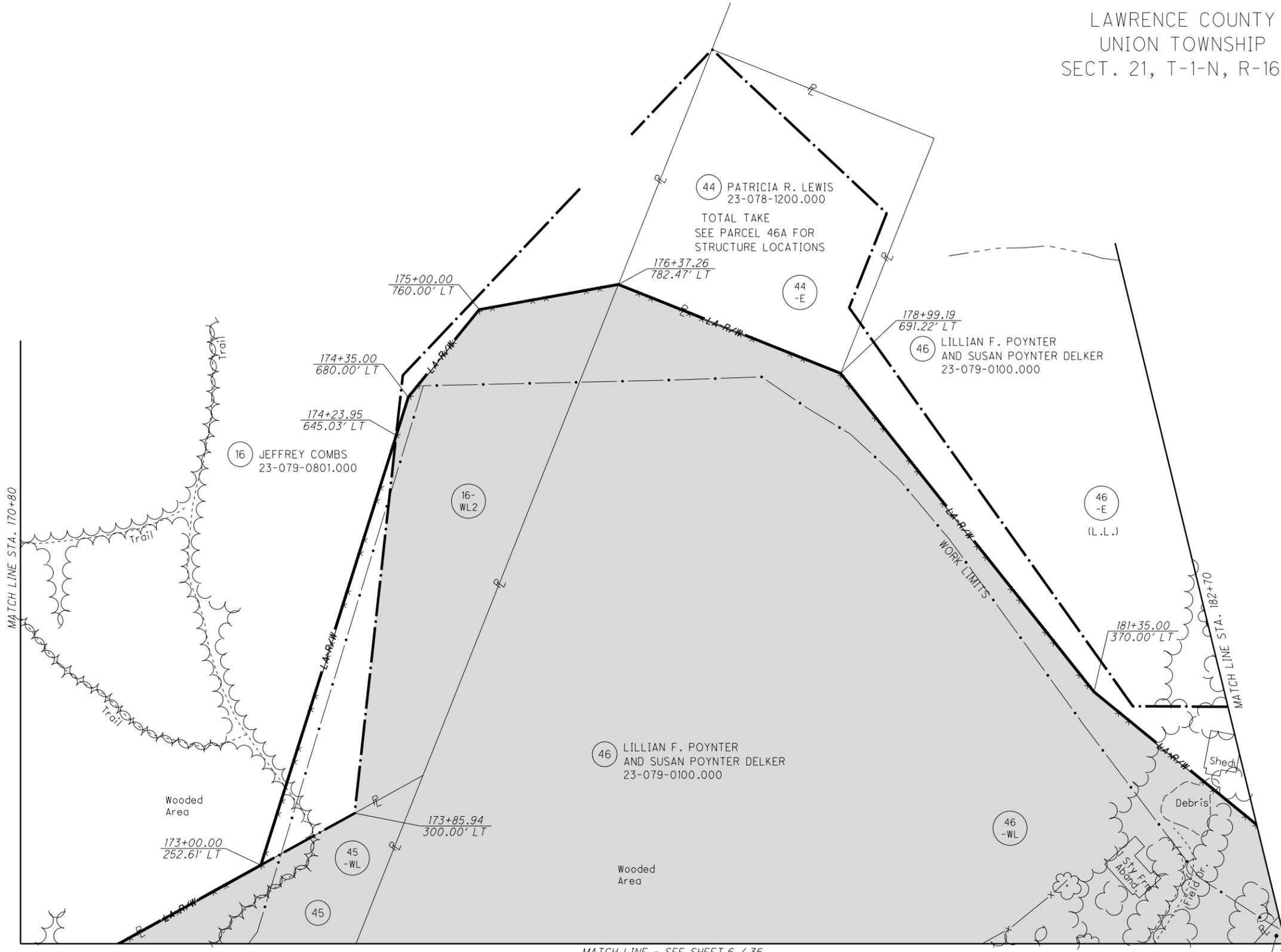
TREE CLEARING PLAN - S.R. 7
STA. 170+80 TO STA. 182+70 (NORTH)

LAW-7-2.17
TREE CLEARING

7 / 36

P.25
 54

J:\143885_BG_D09_GES\7.0_Production\9B_120720_LAW-7-2.17\Design\RW_Sheets\75923RT007.dgn_Sheet 2024-07-10 10:37:53 AM Tim.Williams



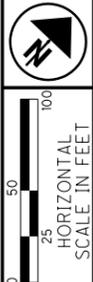
NOTE TO CONTRACTOR:
 CONTRACTOR SHALL NOT ENTER OR
 PERFORM ANY WORK WITHIN THE DO
 NOT DISTURB AREAS OR TREE
 CLEARING AREA - B WITHOUT PRIOR
 WRITTEN APPROVAL. SEE NOTES
 SHEET P.9.

- LEGEND**
- TREE CLEARING AREA - A
 - TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
 - DO NOT DISTURB AREA (DND)
 - 2001 NEPA BOUNDARY
 - POTENTIAL BAT HABITAT

LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 21, T-1-N, R-16-W

- 50 DONALD RAYMOND WAUGH
- 53 JOHNNIE R. SCOTT & SARAH A. GILLESPIE
- 54 KERSTEN B. & KINDRA R. HARRIS
- 55 BOBBY L. & ROBERTA J. ESTEP
- 56 CHARLES & CHARLOTTE POYNTER
- 57 BARBARA SHOCKLEY
- 59 THOMAS D. THORNBURGH, SR. & BARBARA J. HODGE THORNBURGH
- 61 GEARLD & VALERIA SHOCKLEY
- 63 THOMAS E. & SALLY NEWTON

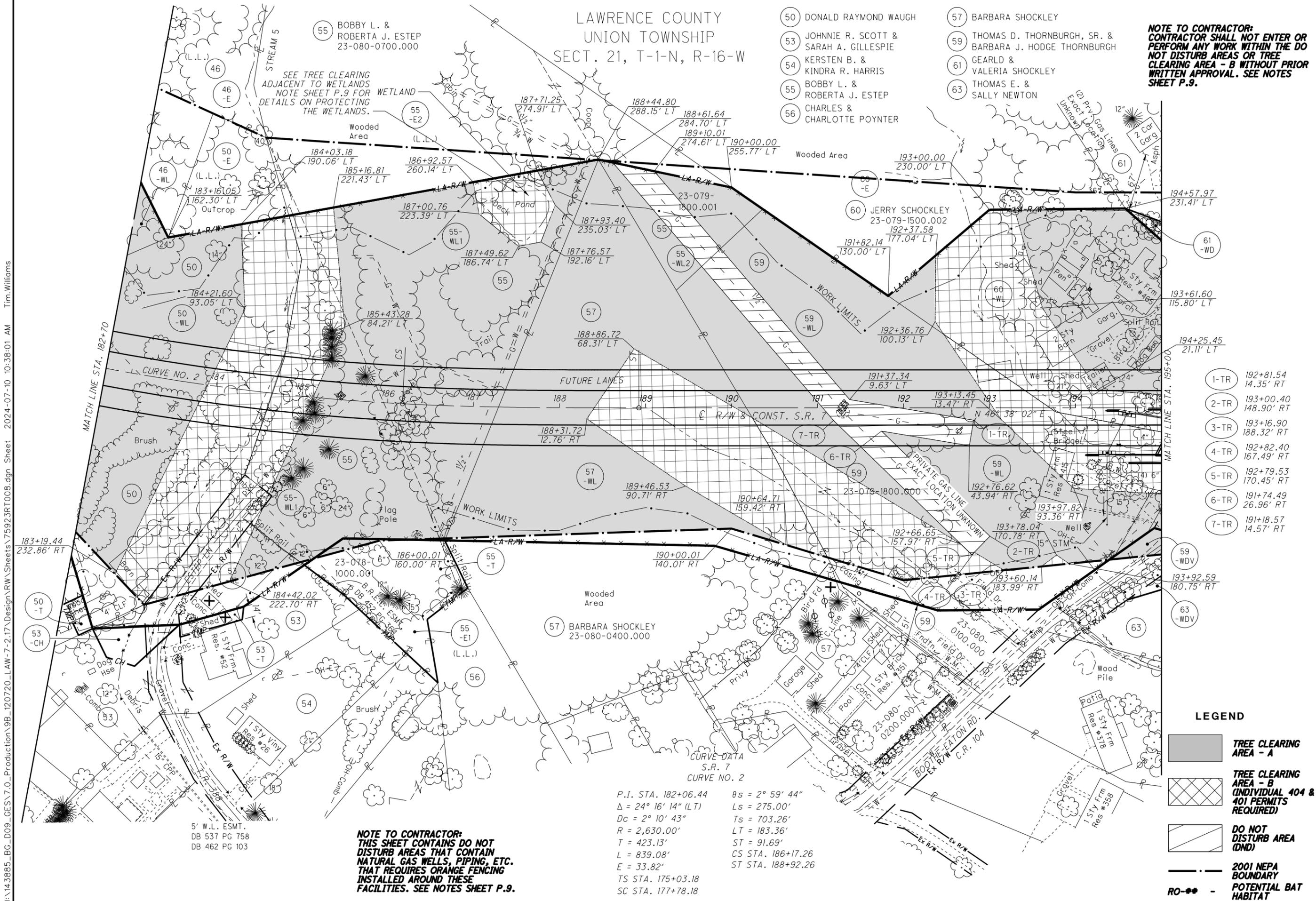
NOTE TO CONTRACTOR:
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PID NO. **120720**
R/W DESIGNER TDW
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
STA. 182+70 TO STA. 195+00

LAW-7-2.17
TREE CLEARING



SEE TREE CLEARING ADJACENT TO WETLANDS NOTE SHEET P.9 FOR DETAILS ON PROTECTING THE WETLANDS.

NOTE TO CONTRACTOR:
THIS SHEET CONTAINS DO NOT DISTURB AREAS THAT CONTAIN NATURAL GAS WELLS, PIPING, ETC. THAT REQUIRES ORANGE FENCING INSTALLED AROUND THESE FACILITIES. SEE NOTES SHEET P.9.

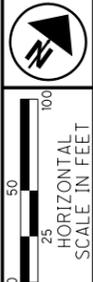
P.I. STA. 182+06.44 $\theta s = 2^\circ 59' 44''$
 $\Delta = 24^\circ 16' 14''$ (LT) $Ls = 275.00'$
 $Dc = 2^\circ 10' 43''$ $Ts = 703.26'$
 $R = 2,630.00'$ $LT = 183.36'$
 $T = 423.13'$ $ST = 91.69'$
 $L = 839.08'$ $CS STA. 186+17.26$
 $E = 33.82'$ $ST STA. 188+92.26$
 $TS STA. 175+03.18$
 $SC STA. 177+78.18$

5' W.L. ESMT.
DB 537 PG 758
DB 462 PG 103

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LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 21, T-1-N, R-16-W

- 59 THOMAS D. THORNBURGH, SR. & BARBARA J. HODGE THORNBURGH
- 60 JERRY SCHOCKLEY
- 61 GEARLD & VALERIA SHOCKLEY
- 62 STEVEN S. ADKINS
- 63 THOMAS E. & SALLY NEWTON
- 64 EVERETT D. MARTIN, JR. AND GINA MARTIN
- 65 PAMELA S. ELLIS
- 66 EVERETT MARTIN, JR.
- 67 JERRY L. & PAULA A. NOBLE
- 68 WALTER L. PLUMLEY
- 69 WALTER L. PLUMLEY
- 70 EARL D. BRAMMER (HEIRS & ASSIGNS)
- 71 STATE OF OHIO DEPARTMENT OF TRANSPORTATION
- 71A WILLIAM J. & LAURAETTE J. KNAPP
- 72 JARRETT AUSTIN WHITMORE AND BREANNA NICOLE WHITMORE



PID NO. 120720

R/W DESIGNER TDW
R/W REVIEWER JWH

TREE CLEARING PLAN - S.R. 7

STA. 195+00 TO STA. 206+80

TREE CLEARING

9 / 36

P.27
54

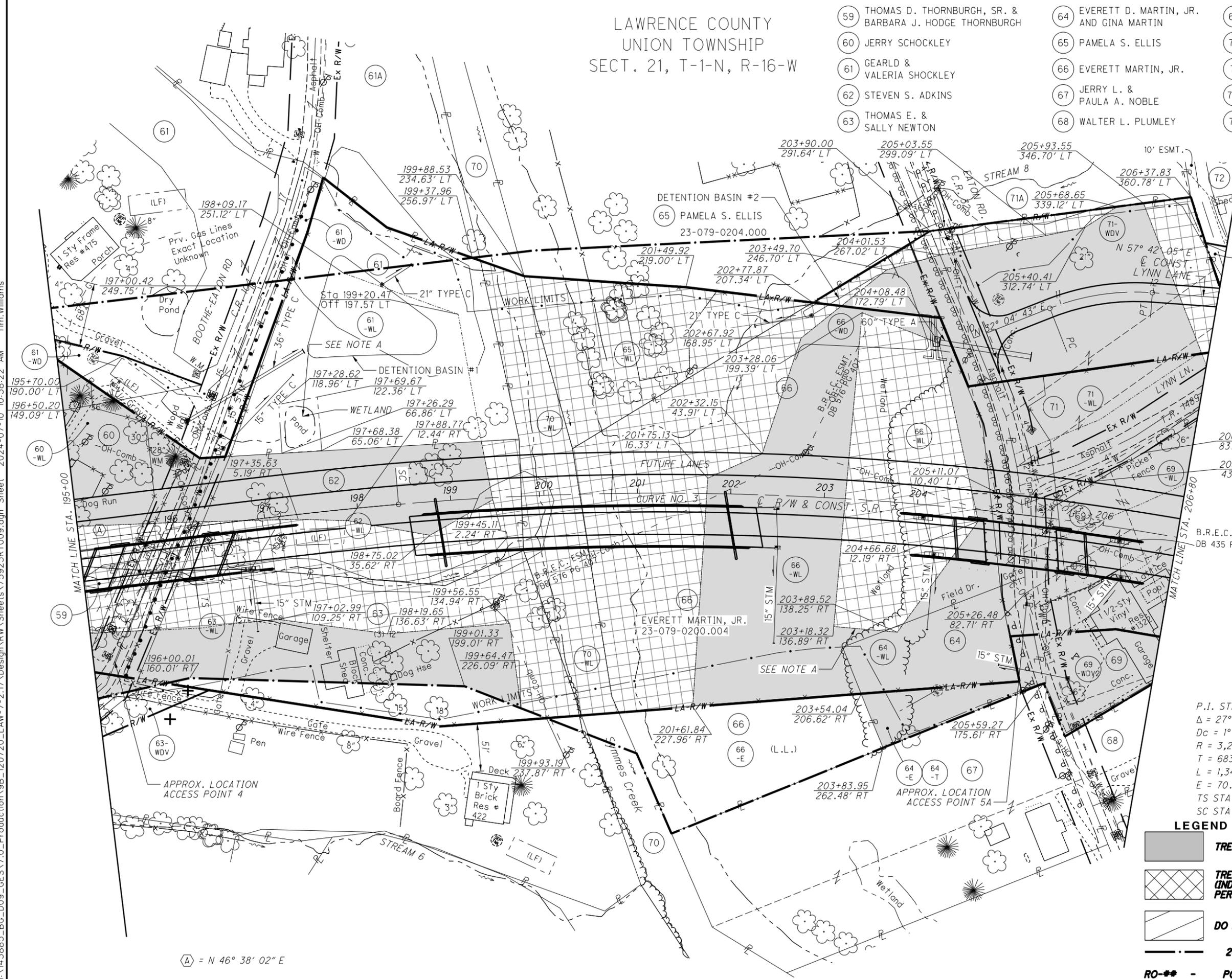
NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.

NOTE:
A. SEE TREE CLEARING ADJACENT TO WETLANDS NOTE SHEET P.9 FOR DETAILS ON PROTECTING THE WETLANDS.

CURVE DATA
LYNN LANE
P.I. STA. 11+44.17
 $\Delta = 25^\circ 37' 23''$ (RT)
Dc = $22^\circ 55' 06''$
R = 250.00'
T = 56.85'
L = 111.80'
PC STA. 10+87.32
PT STA. 11+99.12

CURVE DATA
S.R. 7
CURVE NO. 3
P.I. STA. 205+33.31
 $\Delta = 27^\circ 30' 45''$ (RT)
Dc = $1^\circ 45' 00''$
R = 3,274.04'
T = 683.24'
L = 1,347.14'
E = 70.53'
TS STA. 196+19.13
SC STA. 198+44.13
 $\theta_s = 1^\circ 58' 07''$
Ls = 225.00'
Ts = 914.18'
LT = 150.01'
ST = 75.01'
CS STA. 211+91.27
ST STA. 214+16.27

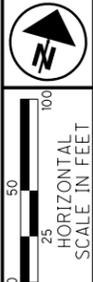
- LEGEND**
- TREE CLEARING AREA - A
 - TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
 - DO NOT DISTURB AREA (DND)
 - 2001 NEPA BOUNDARY
 - POTENTIAL BAT HABITAT



(A) = N 46° 38' 02" E

J:\143885_BG_D09_GES\7.0_Production\9B_120720_LAW-7-2.17_Design\RW_Sheets\75923RT009.dgn_Sheet 2024-07-10 10:38:22 AM Tim.Williams

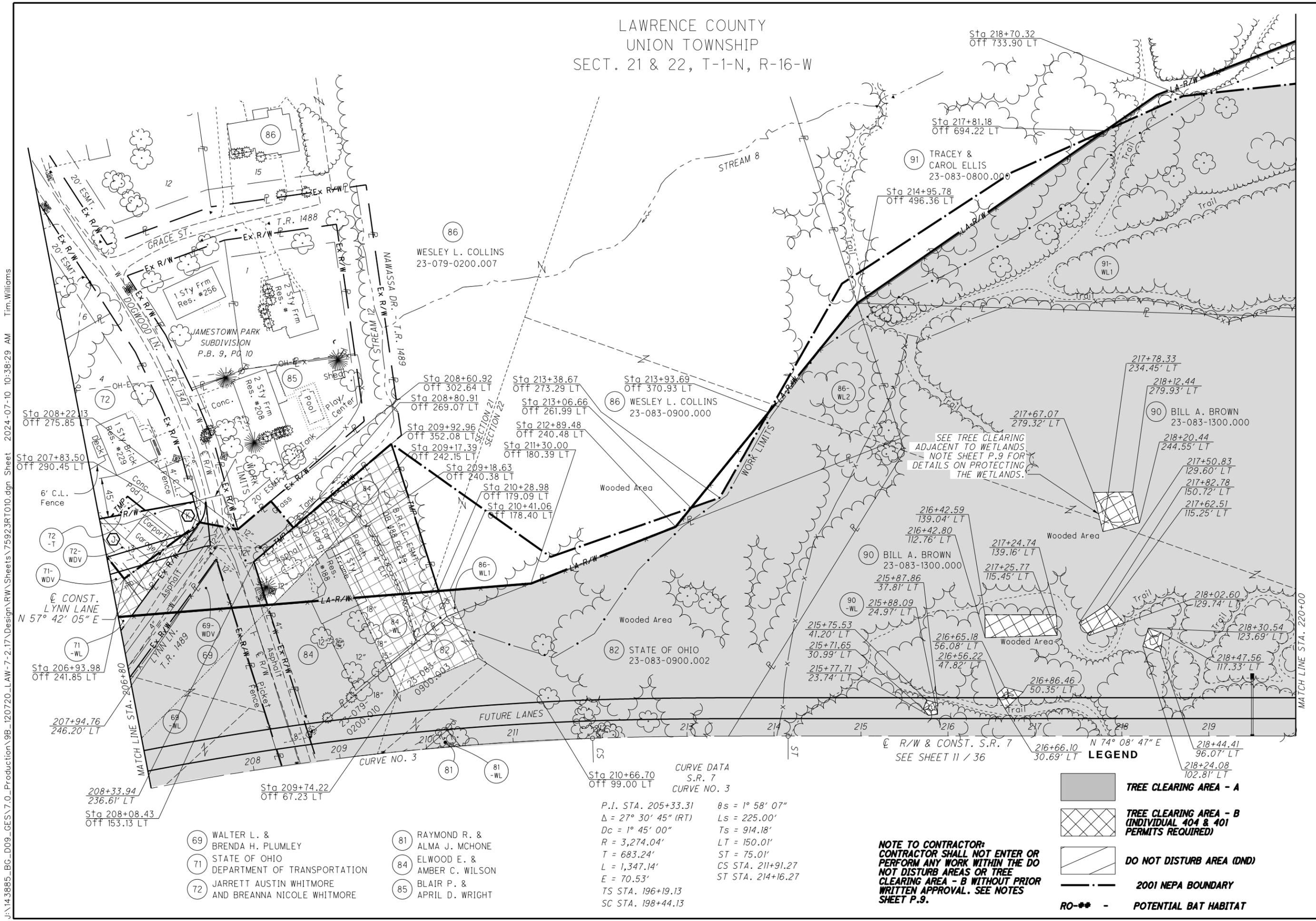
LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 21 & 22, T-1-N, R-16-W



PID NO. **120720**
R/W DESIGNER TDW
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
STA. 206+80 TO STA. 220+00 (NORTH)

LAW-7-2.17
TREE CLEARING
10/36
P.28
54



- (69) WALTER L. & BRENDA H. PLUMLEY
- (71) STATE OF OHIO DEPARTMENT OF TRANSPORTATION
- (72) JARRETT AUSTIN WHITMORE AND BREANNA NICOLE WHITMORE
- (81) RAYMOND R. & ALMA J. MCHONE
- (84) ELWOOD E. & AMBER C. WILSON
- (85) BLAIR P. & APRIL D. WRIGHT

CURVE DATA
S.R. 7
CURVE NO. 3

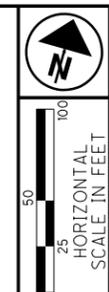
P.I. STA. 205+33.31 $\theta_s = 1^\circ 58' 07''$
 $\Delta = 27^\circ 30' 45''$ (RT) $L_s = 225.00'$
 $D_c = 1^\circ 45' 00''$ $T_s = 914.18'$
 $R = 3,274.04'$ $LT = 150.01'$
 $T = 683.24'$ $ST = 75.01'$
 $L = 1,347.14'$ CS STA. 211+91.27
 $E = 70.53'$ ST STA. 214+16.27
 TS STA. 196+19.13
 SC STA. 198+44.13

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.

- TREE CLEARING AREA - A**
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)**
- DO NOT DISTURB AREA (DND)**
- 2001 NEPA BOUNDARY**
- RO-** - POTENTIAL BAT HABITAT**

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LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 21 & 22, T-1-N, R-16-W



PID NO. 120720

R/W DESIGNER TDW
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
STA. 206+80 TO STA. 220+00 (SOUTH)

LAW-7-2.17
TREE CLEARING

11 / 36

P.29
54



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NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.

- LEGEND**
- TREE CLEARING AREA - A
 - TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
 - DO NOT DISTURB AREA (DND)
 - 2001 NEPA BOUNDARY
 - RO-** - POTENTIAL BAT HABITAT

- | | | |
|------------------------|----------------------------------|---|
| (68) WALTER L. PLUMLEY | (76) KAREN EVANS | (87) JAMES A. MONTGOMERY |
| (69) WALTER L. PLUMLEY | (78) NANCY MCKENZIE | (88) JAMES G. SMITH |
| (73) STATE OF OHIO | (79) STATE OF OHIO | (89) FRANCIS JAMES BUDD & BRANDY RENAY BUDD |
| (74) MARY R. SMITH | (81) RAYMOND R. & ALMA J. MCHONE | (90) BILL A. BROWN |
| (75) DONNA M. ADKINS | (82) STATE OF OHIO | (92) JOHNNY E. & JANIE E. SMITH |

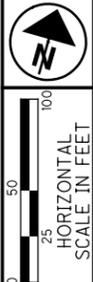
- | |
|---|
| (93) JAMES H. & ROSA SMITH |
| (94) CHARLES W. & MAZIE L. RULEN |
| (96) MATTHEW SCOTT LUSHER AND MARGARET MARTIN |

CURVE DATA
S.R. 7
CURVE NO. 3

(L.L.) P.I. STA. 205+33.31 $\theta_s = 1^\circ 58' 07''$
 $\Delta = 27^\circ 30' 45''$ (RT) $L_s = 225.00'$
 $D_c = 1^\circ 45' 00''$ $T_s = 914.18'$
 $R = 3,274.04'$ $LT = 150.01'$
 $T = 683.24'$ $ST = 75.01'$
 $L = 1,347.14'$ $CS STA. 211+91.27$
 $E = 70.53'$ $ST STA. 214+16.27$
 $TS STA. 196+19.13$
 $SC STA. 198+44.13$

LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 22, T-1-N, R-16-W

- 91 TRACEY & CAROL ELLIS
- 92 STATE OF OHIO
- 93 JAMES H. & ROSA SMITH
- 103A STATE OF OHIO
- 95 SHAWN L. STOWERS
- 103 GEORGE W. & MARILYN BLACK
- 96 MATTHEW SCOTT LUSHER AND MARGARET MARTIN
- 106 WILLIAM RICHARD HYSSELL
- 99 ANNICE BERRY



PID NO. 120720

R/W DESIGNER TDW
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
STA. 220+00 TO STA. 231+00

LAW-7-2.17
TREE CLEARING

12/36

P.30
54

CURVE DATA
S.R. 7
CURVE NO. 4

P.I. STA. 232+01.52 $\theta_s = 9^\circ 30' 00''$
 $\Delta = 34^\circ 12' 59''$ (LT) $L_s = 400.00'$
 $D_c = 4^\circ 45' 00''$ $T_s = 572.79'$
 $R = 1,206.23'$ $LT = 267.05'$
 $T = 161.12'$ $ST = 133.68'$
 $L = 320.35'$ $CS STA. 233+49.08$
 $E = 10.71'$ $ST STA. 237+49.08$

TS STA. 226+28.73
 SC STA. 230+28.73
 Sta 230+61.53
 Off 117.36 LT
 Sta 230+63.28
 Off 108.10 LT
 Sta 230+58.47
 Off 11.41 RT

Sta 230+08.58
 Off 32.12 RT
 Sta 230+05.07
 Off 129.81 RT

Sta 230+14.31
 Off 210.91 RT
 Sta 230+13.13
 Off 330.59 RT

LEGEND

- TREE CLEARING AREA - A
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

NOTE TO CONTRACTOR:
 CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.

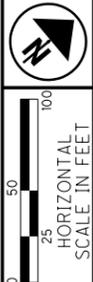
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- 103 GEORGE W. & MARILYN BLACK
- 106 WILLIAM RICHARD HYSSELL
- 108 DAVID A. PARSONS
- 111 RICKY BLACK

- 112 SHEILA ELLIS, DENNIS BLACK AND RANDY BLACK
- 114 PAUL & CAROL BLACK
- 118 STATE OF OHIO

- 119 CLINTON W. & BEULAH W. JUSTICE (H & W), JIMMIE L. JUSTICE, AND O. MICHAEL JUSTICE

LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 22, T-1-N, R-16-W



PID NO. 120720
R/W DESIGNER TDW
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
STA. 231+00 TO STA. 244+00

LAW-7-2.17
TREE CLEARING

LEGEND

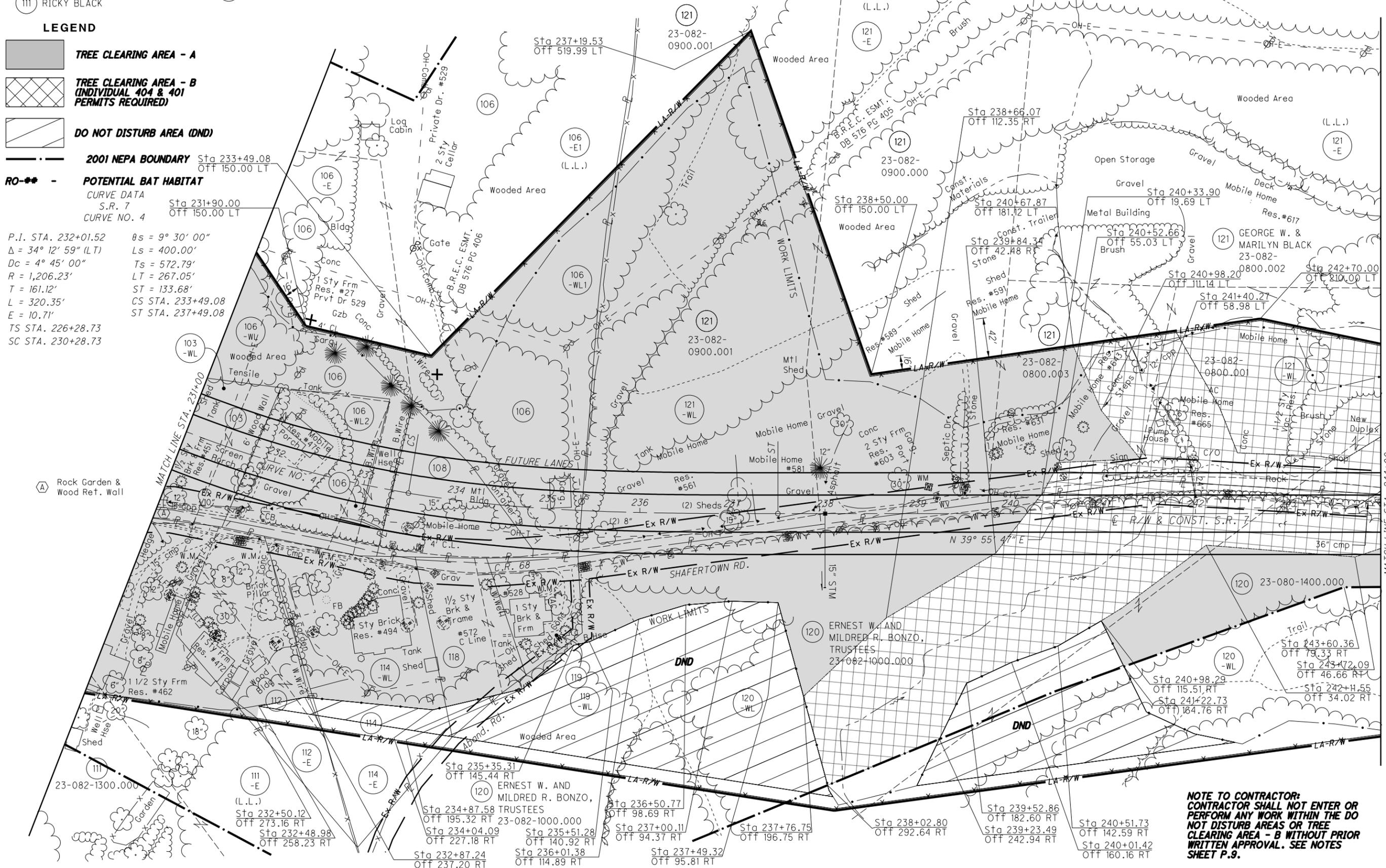
- TREE CLEARING AREA - A
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

P.I. STA. 232+01.52
 $\Delta = 34^\circ 12' 59''$ (LT)
 $Dc = 4^\circ 45' 00''$
 $R = 1,206.23'$
 $T = 161.12'$
 $L = 320.35'$
 $E = 10.71'$
 TS STA. 226+28.73
 SC STA. 230+28.73

$\theta s = 9^\circ 30' 00''$
 $Ls = 400.00'$
 $Ts = 572.79'$
 $LT = 267.05'$
 $ST = 133.68'$
 CS STA. 233+49.08
 ST STA. 237+49.08

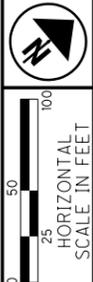
CURVE DATA
 S.R. 7
 CURVE NO. 4
 Sta 233+49.08
 OFF 150.00 LT
 Sta 231+90.00
 OFF 150.00 LT

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NOTE TO CONTRACTOR:
 CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.

LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 22, T-1-N, R-16-W



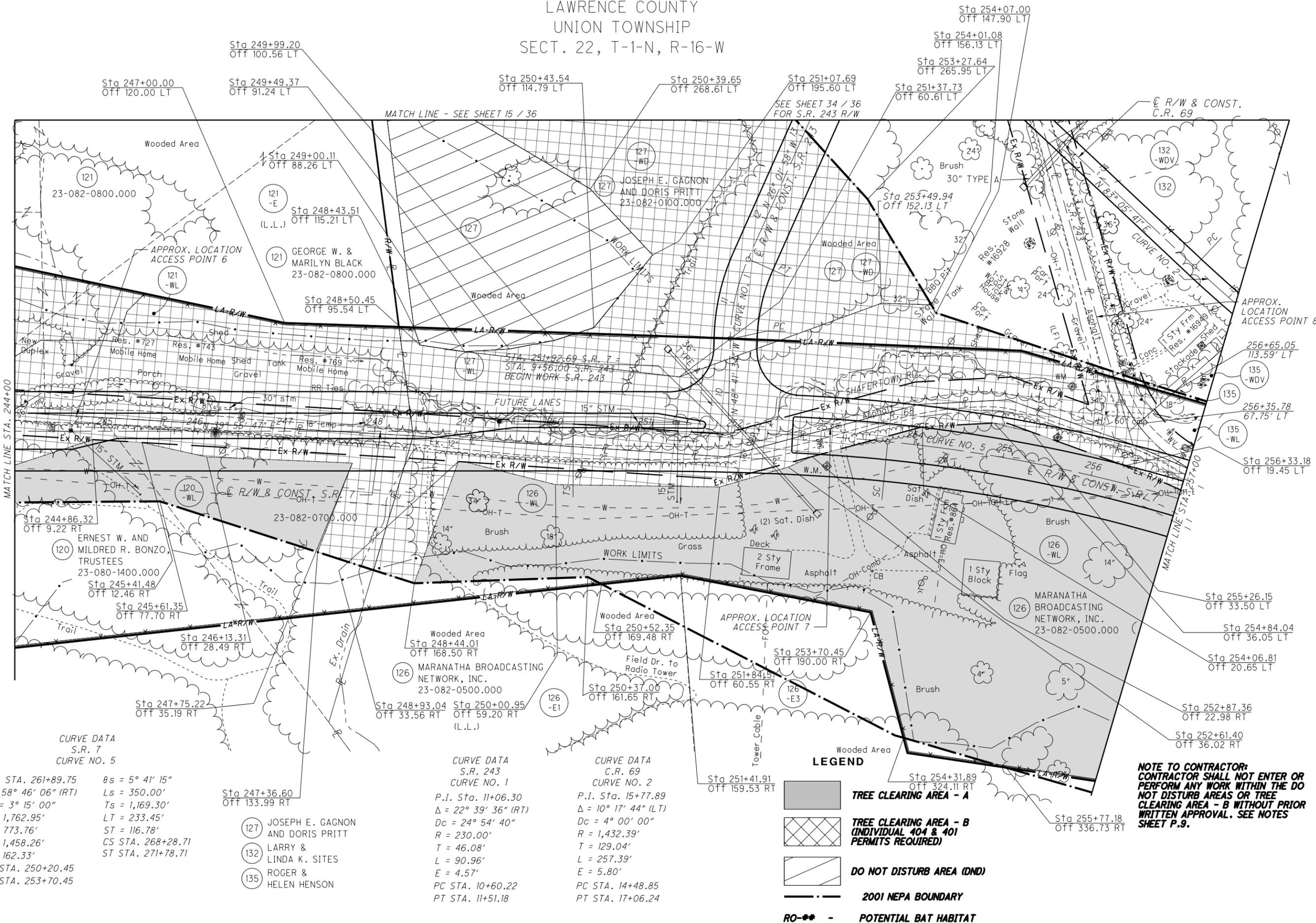
PID NO. **120720**
R/W DESIGNER TDW
R/W REVIEWER JQH

**TREE CLEARING PLAN - S.R. 7
STA. 244+00 TO STA. 257+00**

**LAW-7-2.17
TREE CLEARING**

14 / 36

P.32
54



CURVE DATA
S.R. 7
CURVE NO. 5

P.I. STA. 261+89.75
 $\Delta = 58^\circ 46' 06''$ (RT)
 $D_c = 3^\circ 15' 00''$
 $R = 1,762.95'$
 $T = 773.76'$
 $L = 1,458.26'$
 $E = 162.33'$
TS STA. 250+20.45
SC STA. 253+70.45

$\theta_s = 5^\circ 41' 15''$
 $L_s = 350.00'$
 $T_s = 1,169.30'$
 $LT = 233.45'$
 $ST = 116.78'$
CS STA. 268+28.71
ST STA. 271+78.71

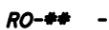
CURVE DATA
S.R. 243
CURVE NO. 1

P.I. Sta. 11+06.30
 $\Delta = 22^\circ 39' 36''$ (RT)
 $D_c = 24^\circ 54' 40''$
 $R = 230.00'$
 $T = 46.08'$
 $L = 90.96'$
 $E = 4.57'$
PC STA. 10+60.22
PT STA. 11+51.18

CURVE DATA
C.R. 69
CURVE NO. 2

P.I. Sta. 15+77.89
 $\Delta = 10^\circ 17' 44''$ (LT)
 $D_c = 4^\circ 00' 00''$
 $R = 1,432.39'$
 $T = 129.04'$
 $L = 257.39'$
 $E = 5.80'$
PC STA. 14+48.85
PT STA. 17+06.24

LEGEND

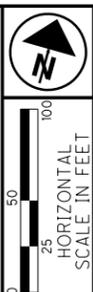
-  **TREE CLEARING AREA - A**
-  **TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)**
-  **DO NOT DISTURB AREA (DND)**
-  **2001 NEPA BOUNDARY**
-  **POTENTIAL BAT HABITAT**

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.

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LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 15 & 22, T-1-N, R-16-W

- (132) LARRY & LINDA K. SITES
- (133) CARL & NANCY DANFORD
- (134) DARRELL HARDY
- (135) ROGER & HELEN HENSON
- (136) CARL & NANCY DANFORD
- (137) STATE OF OHIO
- (138) STATE OF OHIO
- (139) FRED HENSON, JR.
- (140) STATE OF OHIO
- (141) STATE OF OHIO



PID NO. **120720**
R/W DESIGNER TDW
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
STA. 257+00 TO STA. 266+99.95

LAW-7-2.17
TREE CLEARING

SEE SHEET 34 / 36

CURVE DATA
C.R. 69
CURVE NO. 2
P.I. Sta. 15+77.89
 $\Delta = 10^\circ 17' 44''$ (LT)
 $Dc = 4^\circ 00' 00''$
 $R = 1,432.39'$
 $T = 129.04'$
 $L = 257.39'$
 $E = 5.80'$
PC Sta. 14+48.85
PT Sta. 17+06.24

P.I. Sta. 25+76.25
 $\Delta = 22^\circ 45' 00''$ (RT)
 $Dc = 1^\circ 45' 00''$
 $R = 3,274.04'$
 $T = 658.68'$
 $L = 1,300.00'$
 $E = 65.60'$
TS STA. 17+89.74
SC STA. 19+14.74

P.I. STA. 261+89.75
 $\Delta = 58^\circ 46' 06''$ (RT)
 $Dc = 3^\circ 15' 00''$
 $R = 1,762.95'$
 $T = 773.76'$
 $L = 1,458.26'$
 $E = 162.33'$
TS STA. 250+20.45
SC STA. 253+70.45

$\theta s = 1^\circ 05' 37''$
 $Ls = 125.00'$
 $Ts = 786.51'$
 $LT = 83.33'$
 $ST = 41.67'$
CS Sta. 32+14.74
ST Sta. 33+39.74

CURVE DATA S.R. 7
CURVE NO. 5

$\theta s = 5^\circ 41' 15''$
 $Ls = 350.00'$
 $Ts = 1,169.30'$
 $LT = 233.45'$
 $ST = 116.78'$
CS STA. 268+28.71
ST STA. 271+78.71

Sta 257+63.89
OFF 112.47 LT
259+07.35
3.03' RT
258+69.90
2.50' RT
257+56.91
29.03' LT
Sta 257+54.69
OFF 4.13 LT
CURVE DATA
C.R. 69
CURVE NO. 3

Sta 258+41.56
OFF 63.07 RT
Sta 259+69.56
OFF 30.66 RT
Sta 258+38.23
OFF 161.39 RT

Sta 258+63.09
OFF 301.39 RT

Sta 259+52.39
OFF 104.30 RT

Sta 259+05.57
OFF 100.00 RT

Sta 262+00.00
OFF 110.00 RT

Sta 261+76.70
OFF 33.41 RT

Sta 263+32.87
OFF 32.27 RT

Sta 266+07.02
OFF 46.18 RT

Sta 265+47.08
OFF 36.76 RT

Sta 266+85.78
OFF 6.27 RT

Sta 266+76.30
OFF 29.44 RT

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.

(126) MARANATHA BROADCASTING NETWORK, INC.
23-082-0500.000

LEGEND

- TREE CLEARING AREA - A
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

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LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 14, 15 & 22 T-1-N, R-16-W

FOR LOCATION AND TYPE OF LA-R/W FENCE
SEE THE TABLE IN THE ROADWAY PLAN

120720

P.35
54

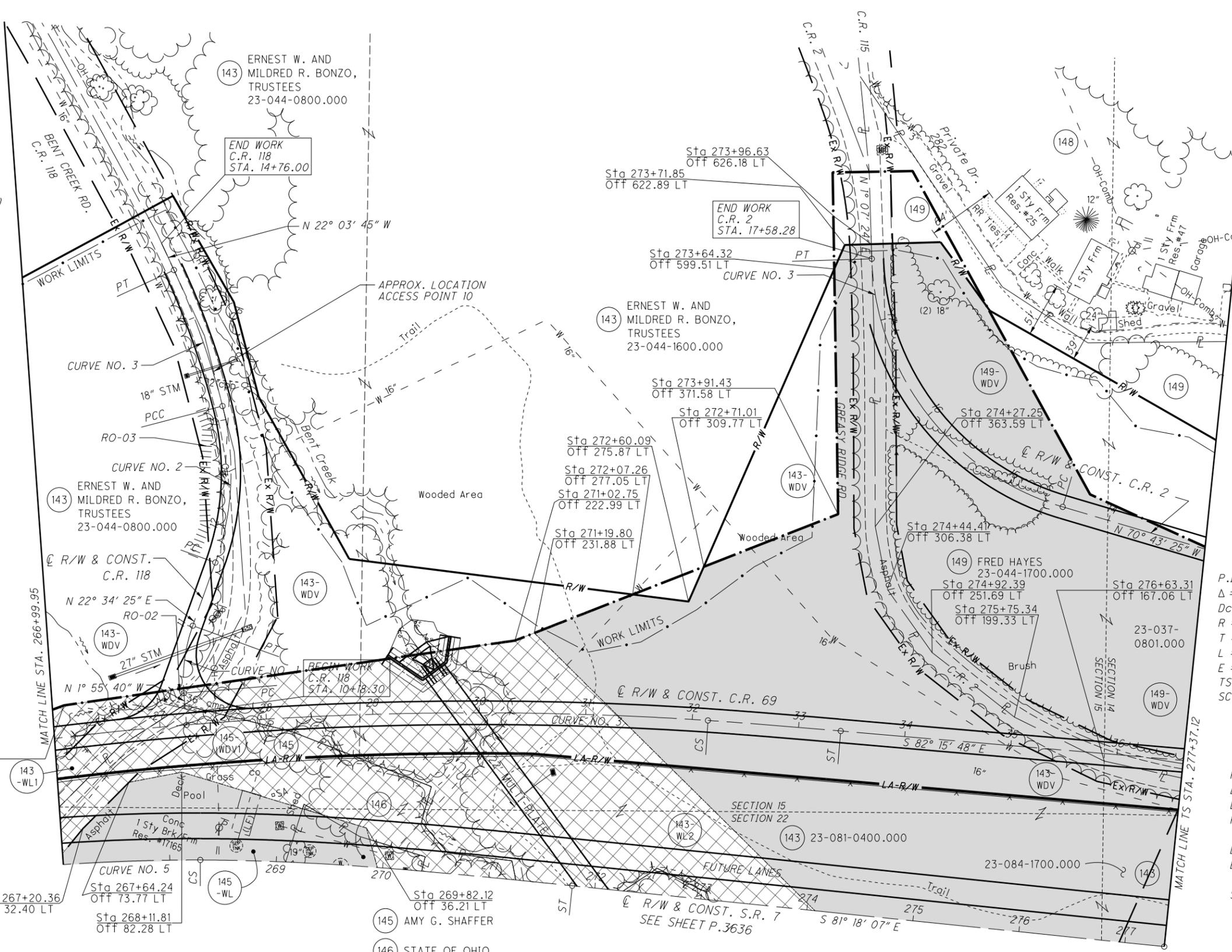
17/36

TREE CLEARING PLAN - S.R. 7
STA. 266+99.95 TO STA. 277+37.12 (NORTH)



NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR
PERFORM ANY WORK WITHIN THE DO
NOT DISTURB AREAS OR TREE
CLEARING AREA - B WITHOUT PRIOR
WRITTEN APPROVAL. SEE NOTES
SHEET P.9.

- LEGEND**
- TREE CLEARING AREA - A
 - TREE CLEARING AREA - B
(INDIVIDUAL 404 & 401
PERMITS REQUIRED)
 - DO NOT DISTURB AREA (DND)
 - 2001 NEPA BOUNDARY
 - POTENTIAL BAT HABITAT



CURVE DATA
C.R. 118
CURVE NO. 1
P.I. Sta. 10+69.71
 $\Delta = 24^\circ 30' 05''$ (RT)
 $D_c = 38^\circ 11' 50''$
 $R = 150.00'$
 $T = 32.57'$
 $L = 64.14'$
 $E = 3.49'$
PC STA. 10+37.14
PT STA. 11+01.28

CURVE DATA
C.R. 118
CURVE NO. 2
P.I. STA. 12+40.87
 $\Delta = 34^\circ 13' 00''$ (LT)
 $D_c = 23^\circ 00' 00''$
 $R = 249.11'$
 $T = 76.68'$
 $L = 148.77'$
 $E = 11.53'$
PC STA. 11+64.19
PCC STA. 13+12.96

CURVE DATA
C.R. 118
CURVE NO. 3
P.I. STA. 13+80.89
 $\Delta = 10^\circ 25' 10''$ (LT)
 $D_c = 7^\circ 41' 27''$
 $R = 745.00'$
 $T = 67.93'$
 $L = 135.48'$
 $E = 3.09'$
PCC STA. 13+12.96
PT STA. 14+48.44

CURVE DATA
C.R. 2
CURVE NO. 3
P.I. Sta. 16+25.92
 $\Delta = 71^\circ 50' 49''$ (RT)
 $D_c = 22^\circ 55' 06''$
 $R = 250.00'$
 $T = 181.13'$
 $L = 313.49'$
 $E = 58.72'$
PC Sta. 14+44.79
PT Sta. 17+58.28

CURVE DATA
C.R. 69
CURVE NO. 3
P.I. Sta. 25+76.25
 $\Delta = 22^\circ 45' 00''$ (RT)
 $D_c = 1^\circ 45' 00''$
 $R = 3,274.04'$
 $T = 658.68'$
 $L = 1,300.00'$
 $E = 65.60'$
TS STA. 17+89.74
SC STA. 19+14.74

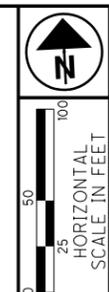
CURVE DATA
S.R. 7
CURVE NO. 5
P.I. STA. 261+89.75
 $\Delta = 58^\circ 46' 06''$ (RT)
 $D_c = 3^\circ 15' 00''$
 $R = 1,762.95'$
 $T = 773.76'$
 $L = 1,458.26'$
 $E = 162.33'$
TS STA. 250+20.45
SC STA. 253+70.45

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LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 22 & 23, T-1-N, R-16-W

CURVE DATA
S.R. 7
CURVE NO. 5

P.I. STA. 261+89.75 $\theta_s = 5^\circ 41' 15''$
 $\Delta = 58^\circ 46' 06''$ (RT) $L_s = 350.00'$
 $D_c = 3^\circ 15' 00''$ $T_s = 1,169.30'$
 $R = 1,762.95'$ $LT = 233.45'$
 $T = 773.76'$ $ST = 116.78'$
 $L = 1,458.26'$ CS STA. 268+28.71
 $E = 162.33'$ ST STA. 271+78.71
 TS STA. 250+20.45
 SC STA. 253+70.45



PID NO. **120720**

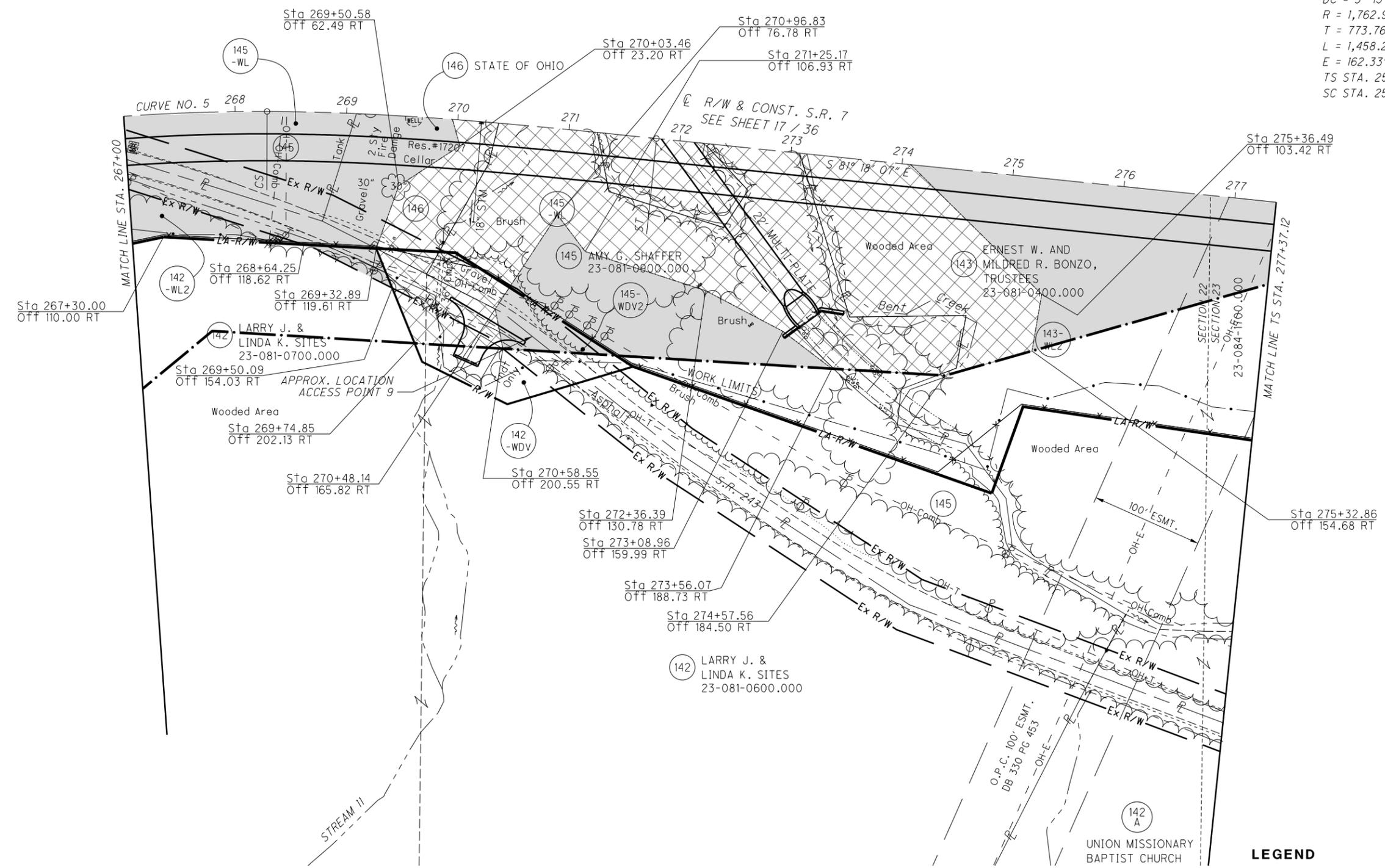
R/W DESIGNER TDW
R/W REVIEWER JQH

**TREE CLEARING PLAN - S.R. 7
STA. 267+00 TO STA. 277+37.12 (SOUTH)**

**LAW-7-2.17
TREE CLEARING**

18 / 36

P.36
54



NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.

- LEGEND**
- TREE CLEARING AREA - A
 - TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
 - DO NOT DISTURB AREA (DND)
 - 2001 NEPA BOUNDARY
 - RO-## - POTENTIAL BAT HABITAT

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LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 14 & 23, T-1-N, R-16-W

CURVE DATA
C.R. 69
CURVE NO. 4

P.I. STA. 42+81.74
 $\Delta = 4^\circ 32' 03''$ (LT)
 $Dc = 0^\circ 30' 00''$
 $R = 11,459.16'$
 $T = 453.67'$
 $L = 906.86'$
 $E = 8.98'$
 $e_{max} = 1.60\%$
PC STA. 38+28.07
PT STA. 47+34.93

CURVE DATA
C.R. 2
CURVE NO. 1

P.I. Sta. 10+85.37
 $\Delta = 42^\circ 28' 52''$ (LT)
 $Dc = 38^\circ 11' 49''$
 $R = 150.00'$
 $T = 58.30'$
 $L = 111.21'$
 $E = 10.93'$
PC Sta. 10+27.07
PCC Sta. 11+38.28

CURVE DATA
C.R. 2
CURVE NO. 2

P.I. Sta. 12+19.19
 $\Delta = 35^\circ 52' 10''$ (LT)
 $Dc = 22^\circ 55' 06''$
 $R = 250.00'$
 $T = 80.91'$
 $L = 156.51'$
 $E = 12.77'$
PCC Sta. 11+38.28
PT Sta. 12+94.79

CURVE DATA
C.R. 69
CURVE NO. 4

P.I. STA. 42+81.74
 $\Delta = 4^\circ 32' 03''$ (LT)
 $Dc = 0^\circ 30' 00''$
 $R = 11,459.16'$
 $T = 453.67'$
 $L = 906.86'$
 $E = 8.98'$
PC STA. 38+28.07
PT STA. 47+34.93

- 143 ERNEST W. AND MILDRED R. BONZO, TRUSTEES
- 147 CHARLES MAYENSCHEN AND NORMA MAYENSCHEN
- 148 WILLIAM W. ELDER, JR. & BETTY T. ELDER

- 149 FRED HAYES
- 150 MARY MASSIE

- 153 ROMAINE A. MARTING
- 155 ERNEST W. AND MILDRED R. BONZO, TRUSTEES
- 157 MICHAEL J. RILEY

- 156 CARL & FAYE MAYENSCHEN 23-038-1000.001

LEGEND

- TREE CLEARING AREA - A
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

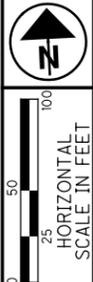
CURVE DATA
S.R. 7
CURVE NO. 6

P.I. STA. 280+92.68
 $\Delta = 5^\circ 51' 21''$ (RT)
 $Dc = 1^\circ 00' 00''$
 $R = 5,729.58'$
 $T = 230.42'$
 $L = 460.59'$
 $E = 4.63'$
TS STA. 277+37.12
SC STA. 278+62.12

$\theta s = 0^\circ 37' 30''$
 $Ls = 125.00'$
 $Ts = 355.56'$
 $LT = 83.33'$
 $ST = 41.67'$
CS STA. 283+22.71
ST STA. 284+47.71

CAUTION:
APPROX. LOCATION OF ABANDONED NATURAL GAS WELL. API WELL NUMBER 34087600970000. LOCATION REPORTED AT 38.457105, -82.408853. PLUGGED AND ABANDONED 1952. SEE SPECIAL PROVISION.

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.



PID NO. 120720

R/W DESIGNER TDW
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
STA. 277+37.12 TO STA. 291+00 (NORTH)

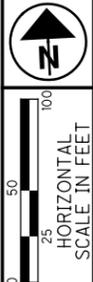
LAW-7-2.17
TREE CLEARING

19/36

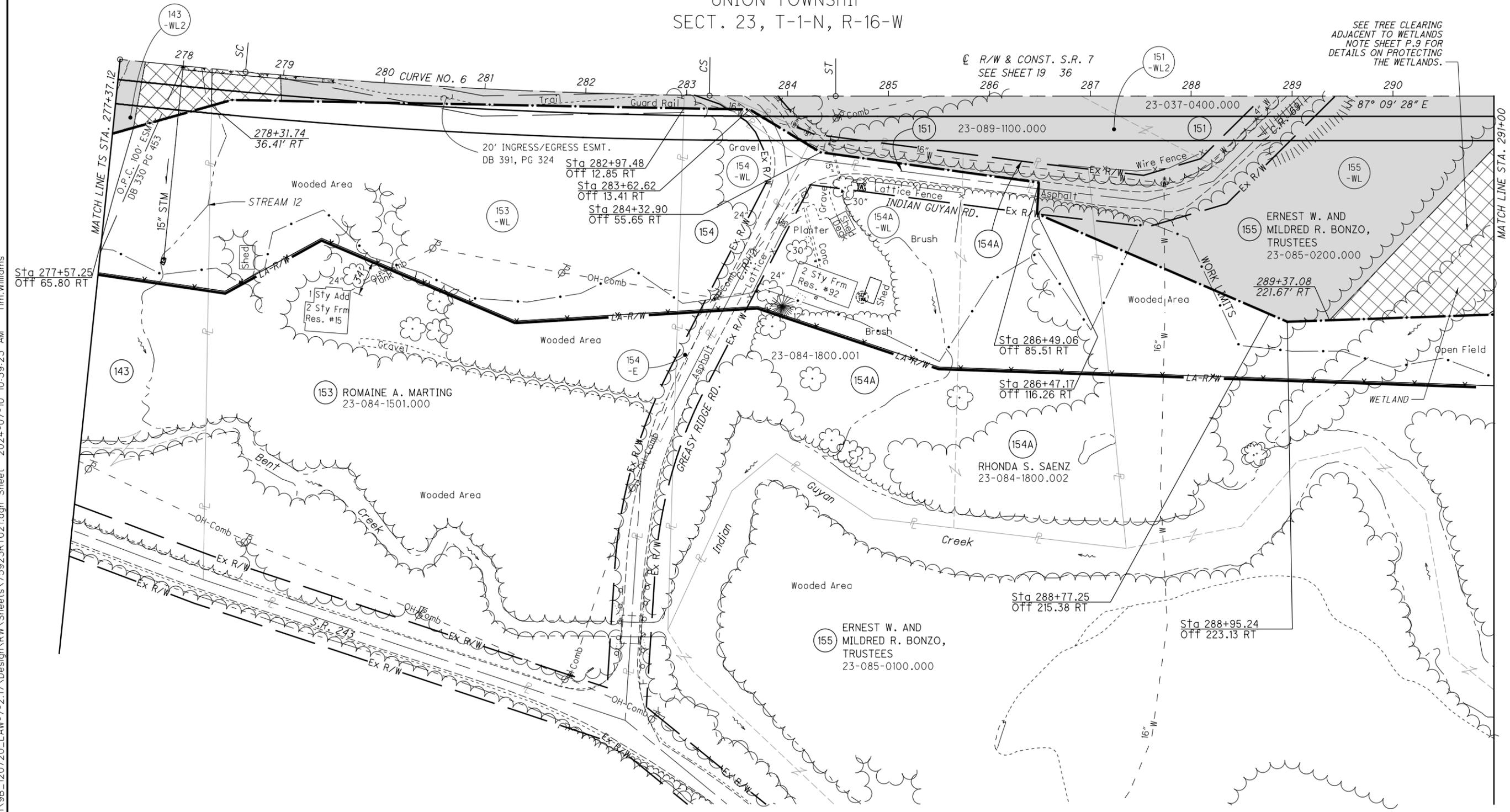
P.37
54

J:\143885_BG_D09_GES\7.0_Production\LAW-7-2.17\Design\RW_Sheets\75923\RT020.dgn_Sheet 2024-07-10 10:39:18 AM Tim Williams

LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 23, T-1-N, R-16-W



SEE TREE CLEARING
ADJACENT TO WETLANDS
NOTE SHEET P.9 FOR
DETAILS ON PROTECTING
THE WETLANDS.



CURVE DATA
S.R. 7
CURVE NO. 6

P.I. STA. 280+92.68 $\theta_s = 0^\circ 37' 30''$
 $\Delta = 5^\circ 51' 21''$ (RT) $L_s = 125.00'$
 $D_c = 1^\circ 00' 00''$ $T_s = 355.56'$
 $R = 5,729.58'$ $LT = 83.33'$
 $T = 230.42'$ $ST = 41.67'$
 $L = 460.59'$ CS STA. 283+22.71
 $E = 4.63'$ ST STA. 284+47.71
 TS STA. 277+37.12
 SC STA. 278+62.12

- (143) ERNEST W. AND MILDRED R. BONZO, TRUSTEES
- (151) ERNEST W. AND MILDRED R. BONZO, TRUSTEES
- (154) DANNY HOLSCHUH

LEGEND

- TREE CLEARING AREA - A
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR
PERFORM ANY WORK WITHIN THE DO
NOT DISTURB AREAS OR TREE
CLEARING AREA - B WITHOUT PRIOR
WRITTEN APPROVAL. SEE NOTES
SHEET P.9.

J:\143885_BG_D09_GES\7.0_Production\9B_120720_LAW-7-2.17_Design\RW_Sheets\75923RT021.dgn Sheet 2014-07-10 10:39:23 AM Tim Williams

PID NO. 120720

R/W DESIGNER TDW
R/W REVIEWER JDH

TREE CLEARING PLAN - S.R. 7
STA. 277+37.12 TO STA. 291+00 (SOUTH)

LAW-7-2.17
TREE CLEARING

20/36

P.38
54

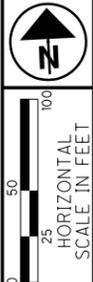
LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 14 & 23, T-1-N, R-16-W

LEGEND

-  TREE CLEARING AREA - A
-  TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
-  DO NOT DISTURB AREA (DND)
-  2001 NEPA BOUNDARY
-  POTENTIAL BAT HABITAT

CURVE DATA
C.R. 69
CURVE NO. 5
P.I. STA. 56+05.43
 $\Delta = 56^\circ 46' 59''$ (RT)
 $D_c = 38^\circ 11' 50''$
 $R = 150.00'$
 $T = 81.08'$
 $L = 148.66'$
 $E = 20.51'$
PC STA. 55+24.35
PT STA. 56+73.01

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.



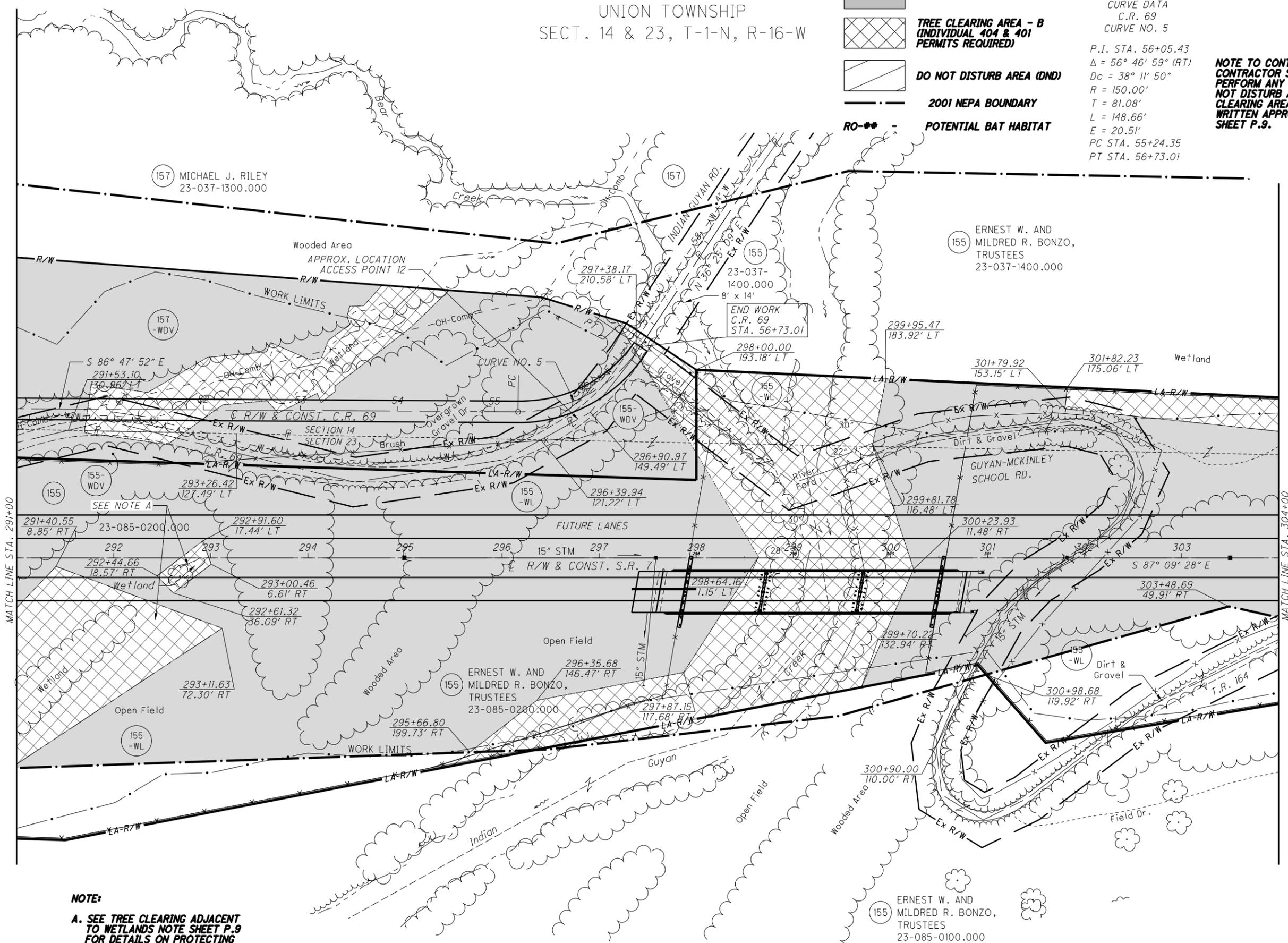
PID NO. 120720
R/W DESIGNER TDW
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
STA. 291+00 TO STA. 304+00

LAW-7-2.17
TREE CLEARING

21/36

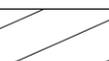
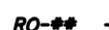
P.39
54



NOTE:
A. SEE TREE CLEARING ADJACENT TO WETLANDS NOTE SHEET P.9 FOR DETAILS ON PROTECTING THE WETLANDS.

J:\143885_BG_D09_GES\7.0_Production\9B_120720_LAW-7-2.17_Design\RW_Sheets\75923RT022.dgn Sheet 2024-07-10 10:39:31 AM Tim Williams

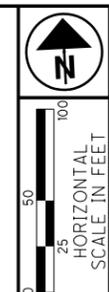
LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 14 & 23, T-1-N, R-16-W

- LEGEND**
-  TREE CLEARING AREA - A
 -  TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
 -  DO NOT DISTURB AREA (DND)
 -  2001 NEPA BOUNDARY
 -  RO-## - POTENTIAL BAT HABITAT

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.

NOTE TO CONTRACTOR:
SEE NOTE ON SHEET P.9 REGARDING PRIORITY TO BEGIN TREE CLEARING BETWEEN STA. 307+00 AND STA. 348+00.

NOTE TO CONTRACTOR:
TREES CAN BE CUT IN, AROUND, AND OVER THE ROCK OUTCROP AREAS.



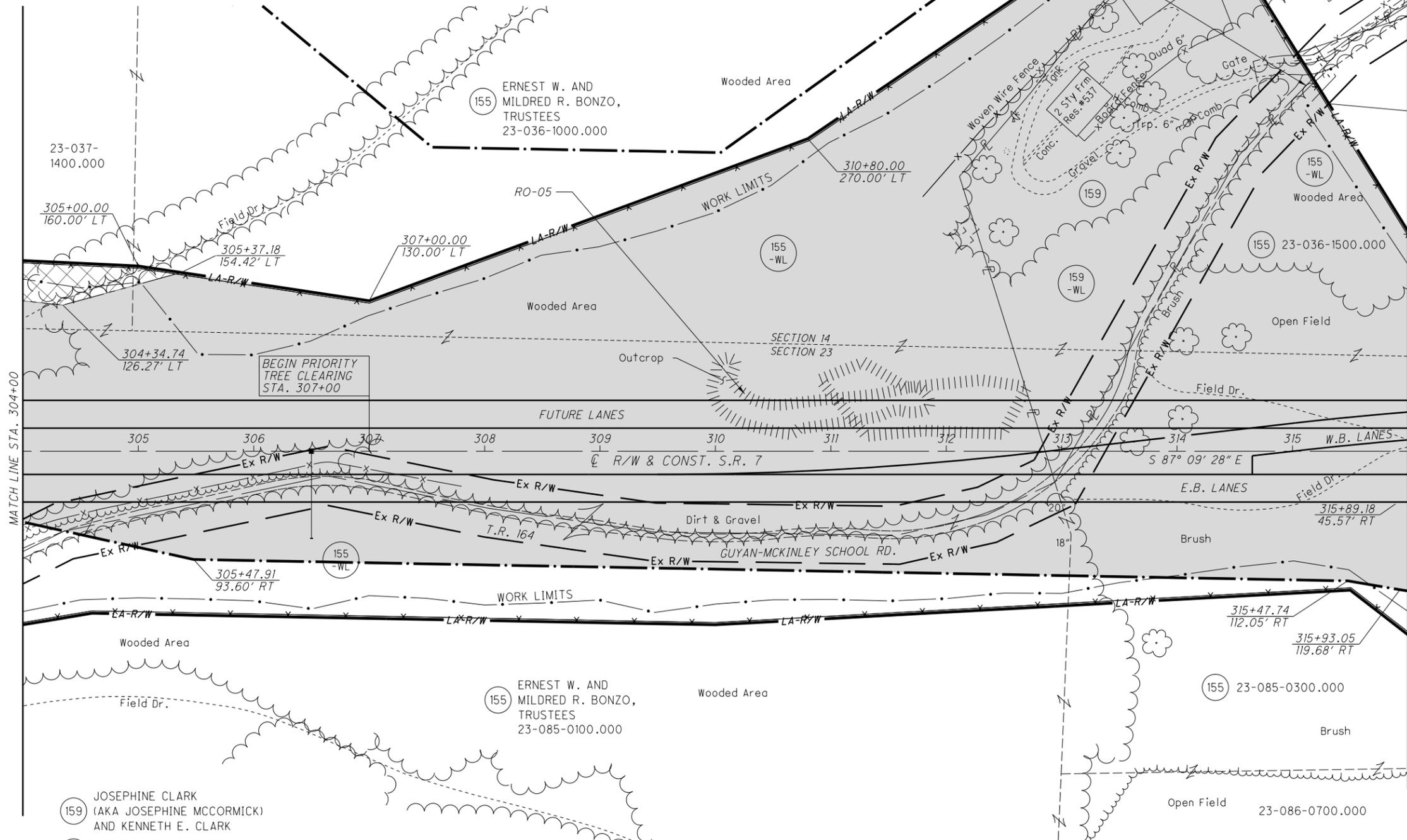
PID NO. **120720**
R/W DESIGNER TDW
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
STA. 304+00 TO STA. 316+00

LAW-7-2.17
TREE CLEARING

22/36

P.40
54



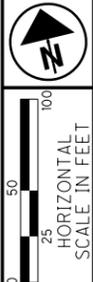
- (159) JOSEPHINE CLARK (AKA JOSEPHINE MCCORMICK) AND KENNETH E. CLARK
- (160) A. JOSEPHINE MCCORMICK
- (161) GARY WHITLEY, JIMMY WHITLEY, RONNIE WHITLEY, AND BRENDA BLACK

FOR LOCATION AND TYPE OF LA-R/W FENCE SEE THE TABLE IN THE ROADWAY PLAN

J:\143885_BG_D09_GES\7.0_Production\9B_120720_LAW-7-2.17_Design\RW_Sheets\75923RTO23.dgn_Sheet 2024-07-10 10:39:37 AM Tim.Williams

LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 14 & 23, T-1-N, R-16-W

160 A. JOSEPHINE McCORMICK
161 KEVIN L. & SHERRI L. SALYER



PID NO. 120720

R/W DESIGNER TDW
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
STA. 316+00 TO STA. 327+00

LAW-7-2.17
TREE CLEARING

23/36

P.41
54

NOTE TO CONTRACTOR:
TREES CAN BE CUT IN, AROUND, AND
OVER THE ROCK OUTCROP AREAS.

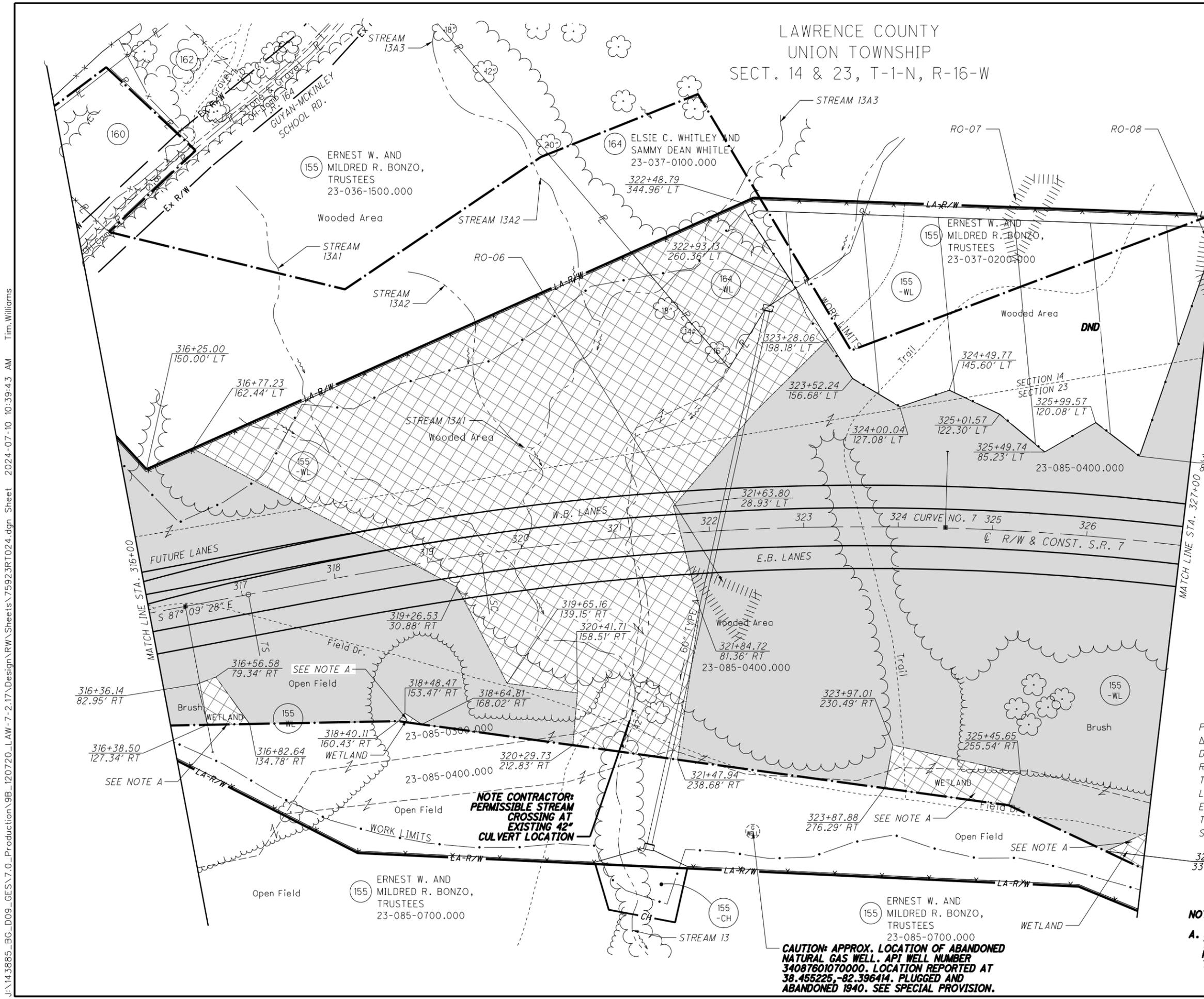
NOTE TO CONTRACTOR:
SEE NOTE ON SHEET P.9 REGARDING
PRIORITY TO BEGIN TREE CLEARING
BETWEEN STA. 307+00 AND STA.
348+00.

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR
PERFORM ANY WORK WITHIN THE DO
NOT DISTURB AREAS OR TREE
CLEARING AREA - B WITHOUT PRIOR
WRITTEN APPROVAL. SEE NOTES
SHEET P.9.

- LEGEND**
- TREE CLEARING AREA - A
 - TREE CLEARING AREA - B
(INDIVIDUAL 404 & 401
PERMITS REQUIRED)
 - DO NOT DISTURB AREA (DND)
 - 2001 NEPA BOUNDARY
 - POTENTIAL BAT HABITAT
- CURVE DATA
S.R. 7
CURVE NO. 7

P.I. STA. 326+36.08 $\theta_s = 2^\circ 30' 00''$
 $\Delta = 31^\circ 21' 41''$ (RT) $L_s = 250.00'$
 $D_c = 2^\circ 00' 00''$ $T_s = 929.46'$
 $R = 2,864.79'$ $LT = 166.68'$
 $T = 670.91'$ $ST = 83.35'$
 $L = 1,318.07'$ CS STA. 332+74.69
 $E = 77.51'$ ST STA. 335+24.69
 TS STA. 317+06.62
 SC STA. 319+56.62

NOTE:
A. SEE TREE CLEARING ADJACENT
TO WETLANDS NOTE SHEET P.9
FOR DETAILS ON PROTECTING
THE WETLANDS.



NOTE CONTRACTOR:
PERMISSIBLE STREAM
CROSSING AT
EXISTING 42"
CULVERT LOCATION

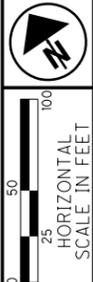
CAUTION: APPROX. LOCATION OF ABANDONED
NATURAL GAS WELL. API WELL NUMBER
34087601070000. LOCATION REPORTED AT
38.455225, -82.396414. PLUGGED AND
ABANDONED 1940. SEE SPECIAL PROVISION.

J:\143885_BG_D09_GES\7.0_Production\9B_120720_LAW-7-2.17\Design\RW_Sheets\75923RT024.dgn_Sheet 2024-07-10 10:39:43 AM Tim Williams

LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 13, 14, 23, & 24
T-1-N, R-16-W

CURVE DATA
S.R. 7
CURVE NO. 7

P.I. STA. 326+36.08 $\theta_s = 2^\circ 30' 00''$
 $\Delta = 31^\circ 21' 41''$ (RT) $L_s = 250.00'$
 $D_c = 2^\circ 00' 00''$ $T_s = 929.46'$
 $R = 2,864.79'$ $LT = 166.68'$
 $T = 670.91'$ $ST = 83.35'$
 $L = 1,318.07'$ $CS STA. 332+74.69$
 $E = 77.51'$ $ST STA. 335+24.69$
 $TS STA. 317+06.62$
 $SC STA. 319+56.62$



PID NO. 120720

R/W DESIGNER TDW
R/W REVIEWER JQH

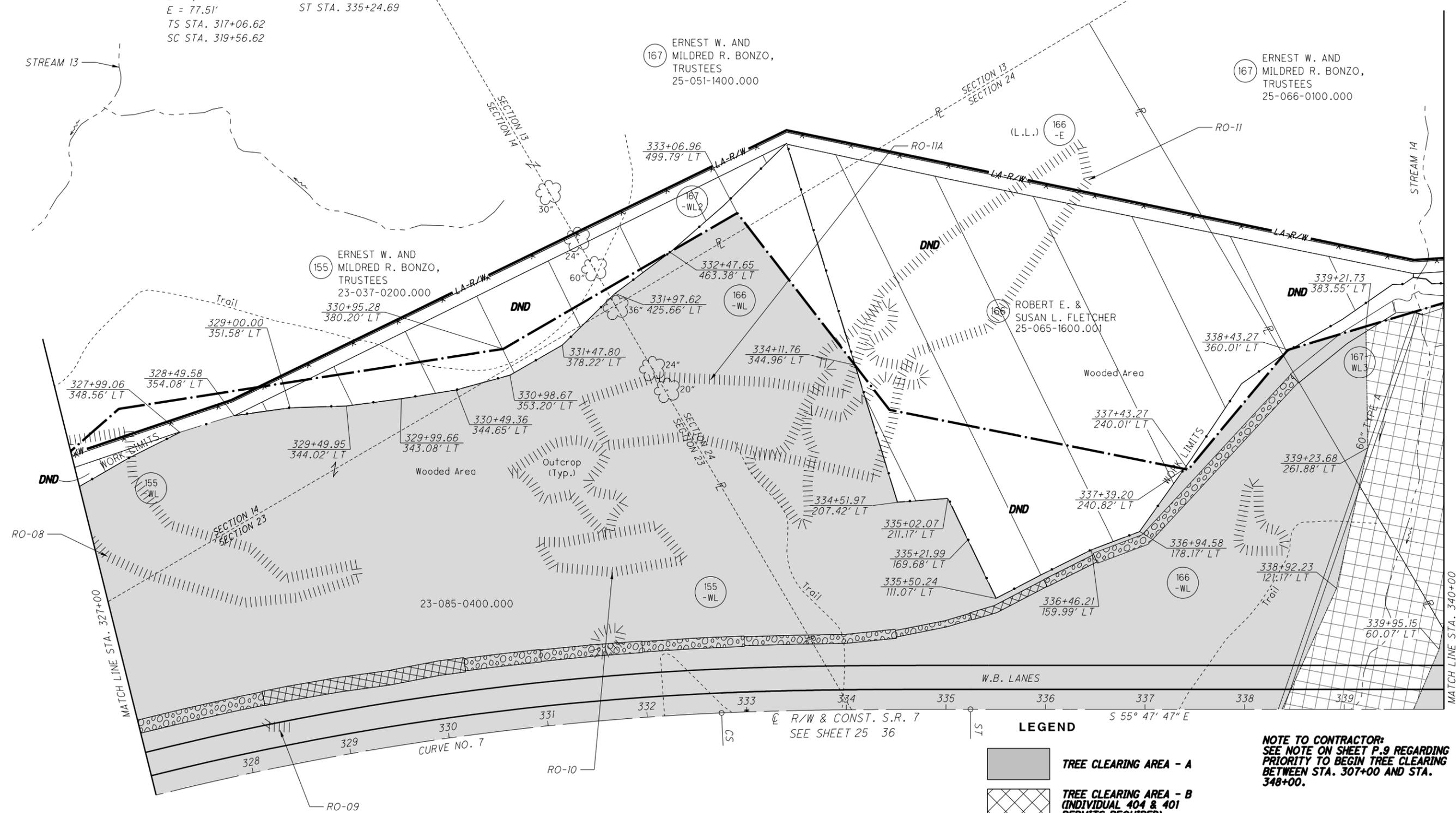
TREE CLEARING PLAN - S.R. 7
STA. 327+00 TO STA. 340+00 (NORTH)

LAW-7-2.17
TREE CLEARING

24/36

P.42
54

J:\143885_BG_D09_GES\7.0_Production\9B_120720_LAW-7-2.17\Design\RW_Sheets\75923RT025.dgn_Sheet 2024-07-10 10:39:48 AM Tim.Williams



167 ERNEST W. AND MILDRED R. BONZO, TRUSTEES 25-051-1400.000

167 ERNEST W. AND MILDRED R. BONZO, TRUSTEES 25-066-0100.000

155 ERNEST W. AND MILDRED R. BONZO, TRUSTEES 23-037-0200.000

166 ROBERT E. & SUSAN L. FLETCHER 25-065-1600.001

23-085-0400.000

155 -WL

166 -WL

W.B. LANES
R/W & CONST. S.R. 7
SEE SHEET 25 36
S 55° 47' 47" E

- LEGEND**
- TREE CLEARING AREA - A
 - TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
 - DO NOT DISTURB AREA (DND)
 - 2001 NEPA BOUNDARY
 - RO-## - POTENTIAL BAT HABITAT

NOTE TO CONTRACTOR:
TREES CAN BE CUT IN, AROUND, AND OVER THE ROCK OUTCROP AREAS.

NOTE TO CONTRACTOR:
SEE NOTE ON SHEET P.9 REGARDING PRIORITY TO BEGIN TREE CLEARING BETWEEN STA. 307+00 AND STA. 348+00.

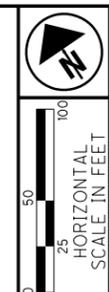
NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.

LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 23 & 24, T-1-N, R-16-W

R/W & CONST. S.R. 7
SEE SHEET 24 36

NOTE:

A. SEE TREE CLEARING ADJACENT TO WETLANDS NOTE SHEET P.9 FOR DETAILS ON PROTECTING THE WETLANDS.



PID NO. 120720

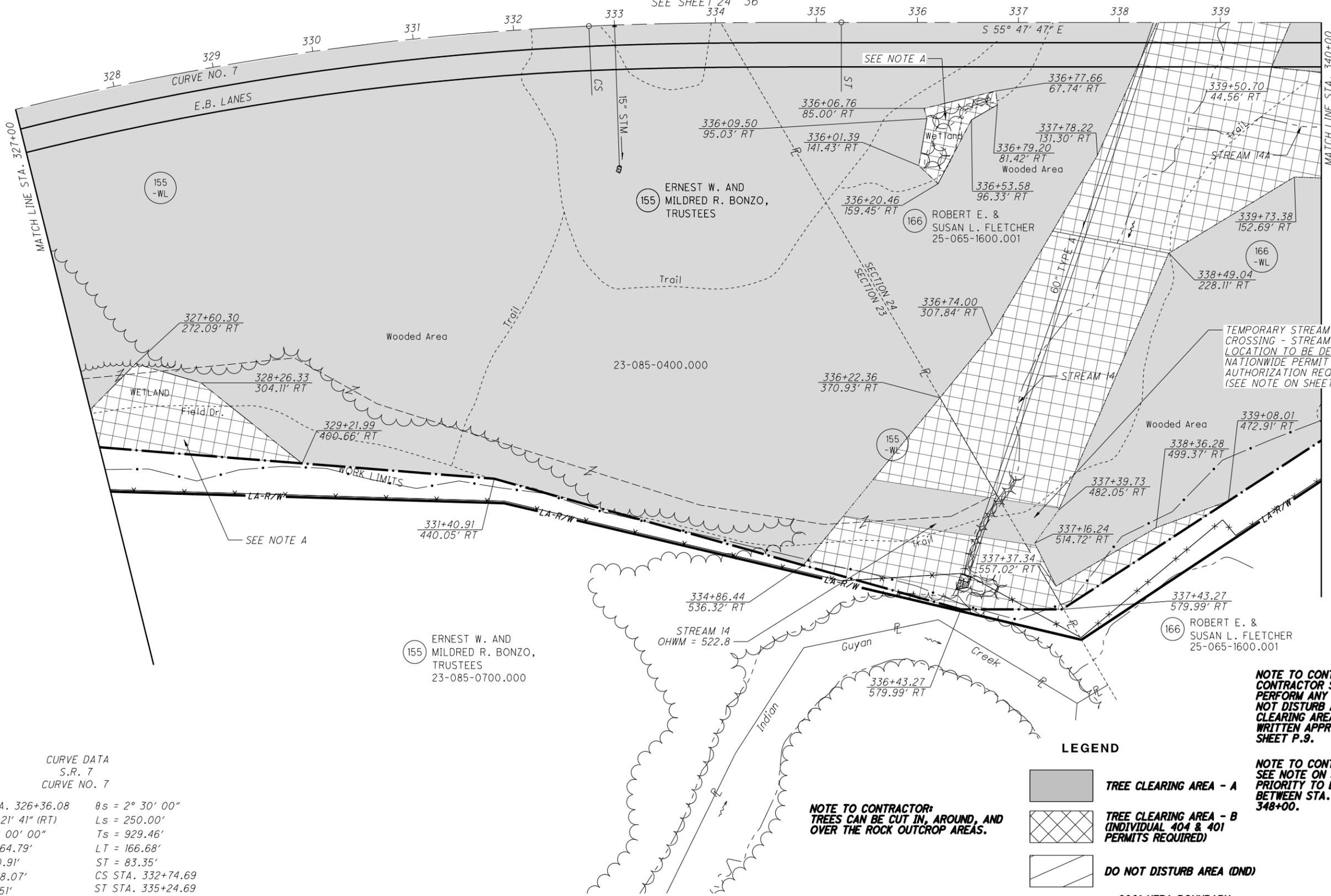
R/W DESIGNER TDW
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
STA. 327+00 TO STA. 340+00 (SOUTH)

LAW-7-2.17
TREE CLEARING

25/36

P.43
54



CURVE DATA
S.R. 7
CURVE NO. 7

P.I. STA. 326+36.08	$\theta_s = 2^\circ 30' 00''$
$\Delta = 31^\circ 21' 41''$ (RT)	$L_s = 250.00'$
$D_c = 2^\circ 00' 00''$	$T_s = 929.46'$
$R = 2,864.79'$	$L_T = 166.68'$
$T = 670.91'$	$ST = 83.35'$
$L = 1,318.07'$	CS STA. 332+74.69
$E = 77.51'$	ST STA. 335+24.69
TS STA. 317+06.62	
SC STA. 319+56.62	

- LEGEND
- TREE CLEARING AREA - A
 - TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
 - DO NOT DISTURB AREA (DND)
 - 2001 NEPA BOUNDARY
 - POTENTIAL BAT HABITAT

NOTE TO CONTRACTOR:
TREES CAN BE CUT IN, AROUND, AND OVER THE ROCK OUTCROP AREAS.

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.

NOTE TO CONTRACTOR:
SEE NOTE ON SHEET 9 REGARDING PRIORITY TO BEGIN TREE CLEARING BETWEEN STA. 307+00 AND STA 348+00.

TEMPORARY STREAM CROSSING - STREAM 14: LOCATION TO BE DETERMINED; NATIONWIDE PERMIT (NWP) 33 AUTHORIZATION REQUIRED (SEE NOTE ON SHEET P.9).

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LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 24, T-1-N, R-16-W



CURVE DATA
S.R. 7
CURVE NO. 8

P.I. STA. 355+16.90 $\theta s = 0^\circ 32' 45''$
 $\Delta = 9^\circ 56' 13''$ (LT) $Ls = 125.00'$
 $Dc = 0^\circ 52' 24''$ $Ts = 632.80'$
 $R = 6,560.00'$ $LT = 83.33'$
 $T = 507.37'$ $ST = 41.67'$
 $L = 1,012.73'$ $CS STA. 360+21.83$
 $E = 19.59'$ $ST STA. 361+46.83$
 $TS STA. 348+84.10$
 $SC STA. 350+09.10$

PID NO. 120720
R/W DESIGNER TDW
R/W REVIEWER JWH

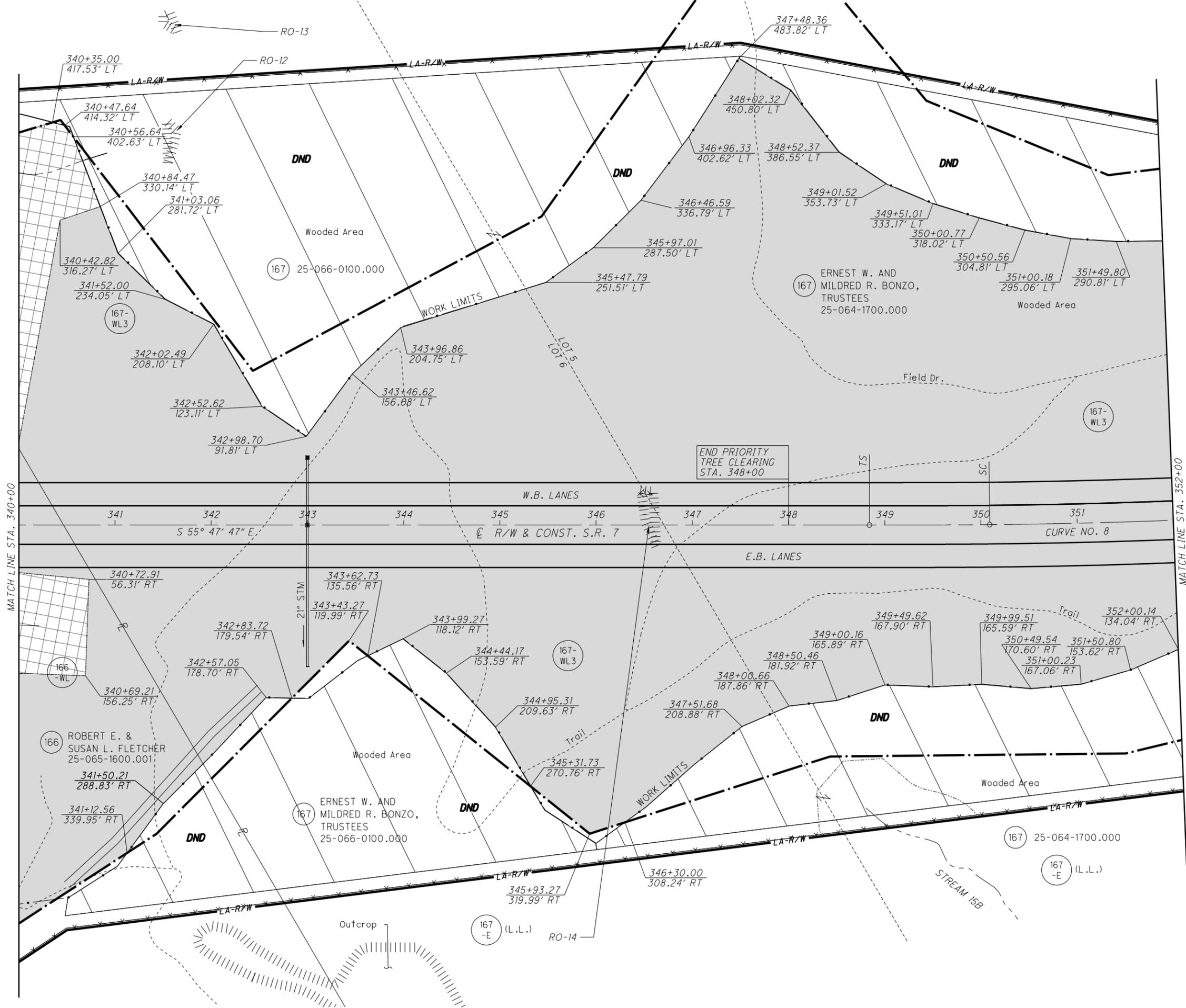
NOTE TO CONTRACTOR:
TREES CAN BE CUT IN, AROUND, AND OVER THE ROCK OUTCROP AREAS.

NOTE TO CONTRACTOR:
SEE NOTE ON SHEET P.9 REGARDING PRIORITY TO BEGIN TREE CLEARING BETWEEN STA. 307+00 AND STA. 348+00.

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.

LEGEND

- TREE CLEARING AREA - A
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

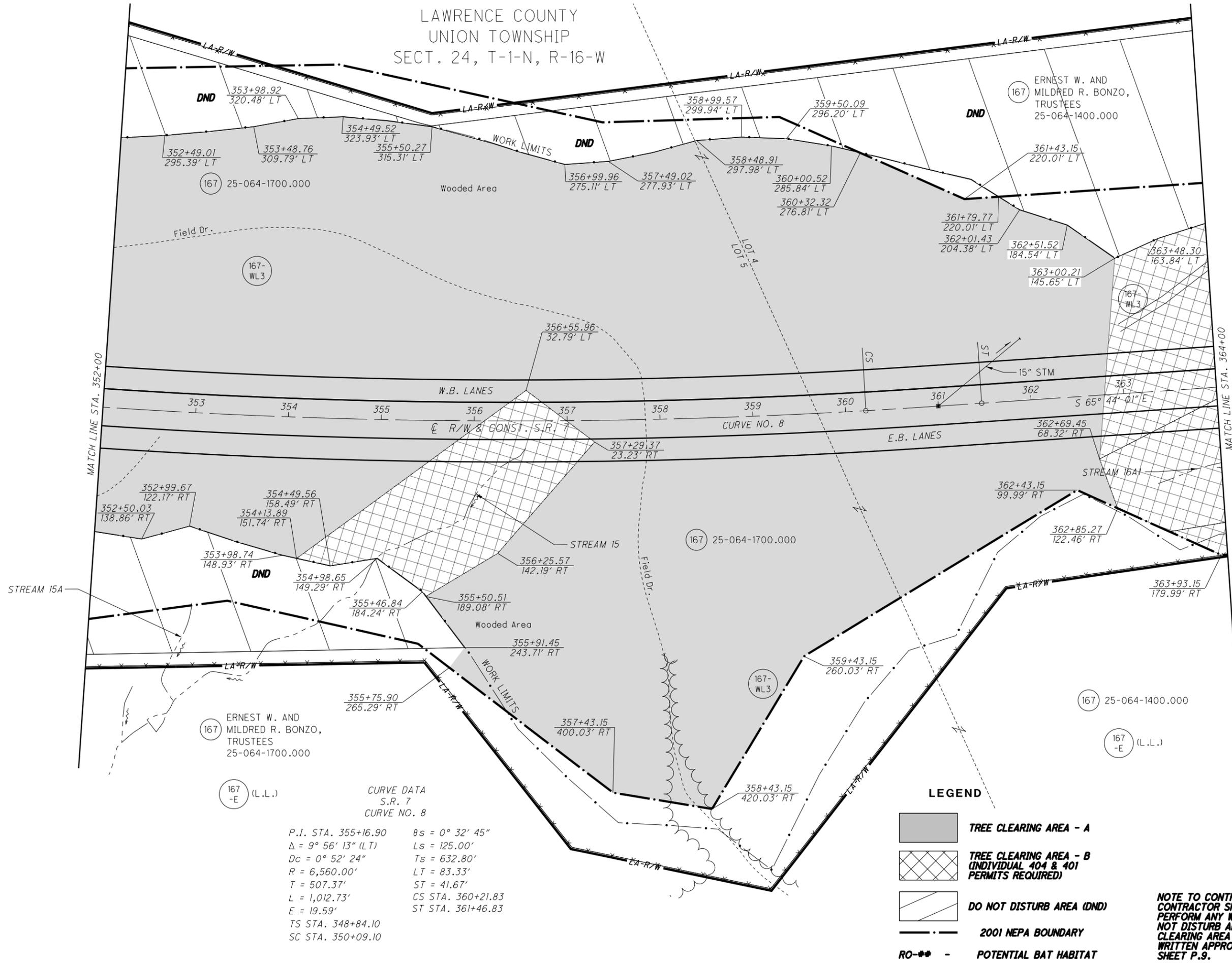


TREE CLEARING PLAN - S.R. 7
STA. 340+00 TO STA. 352+00

LAW-7-2.17
TREE CLEARING

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LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 24, T-1-N, R-16-W



CURVE DATA
S.R. 7
CURVE NO. 8

P.I. STA. 355+16.90	$\theta s = 0^\circ 32' 45''$
$\Delta = 9^\circ 56' 13''$ (LT)	$Ls = 125.00'$
$Dc = 0^\circ 52' 24''$	$Ts = 632.80'$
$R = 6,560.00'$	$LT = 83.33'$
$T = 507.37'$	$ST = 41.67'$
$L = 1,012.73'$	$CS STA. 360+21.83$
$E = 19.59'$	$ST STA. 361+46.83$
$TS STA. 348+84.10$	
$SC STA. 350+09.10$	

- LEGEND**
- TREE CLEARING AREA - A
 - TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
 - DO NOT DISTURB AREA (DND)
 - 2001 NEPA BOUNDARY
 - RO-** POTENTIAL BAT HABITAT

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.



PID NO. **120720**

R/W DESIGNER TDW
R/W REVIEWER JWH

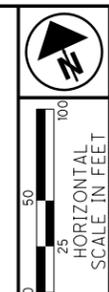
LAW-7-2.17
TREE CLEARING

TREE CLEARING PLAN - S.R. 7
STA. 352+00 TO STA. 364+00

27/36

P.45
54

LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 24, T-1-N, R-16-W



PID NO.
120720

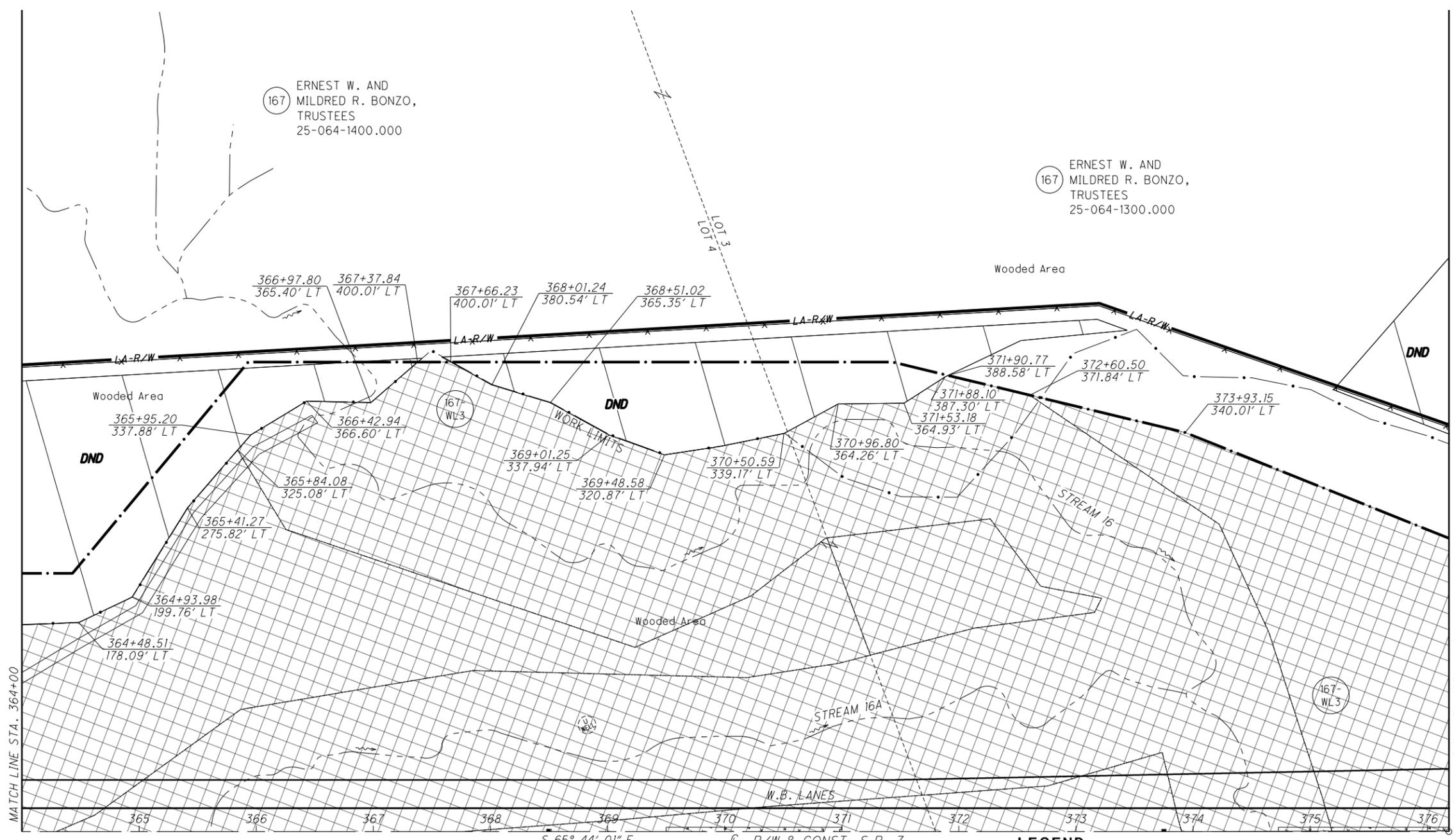
R/W DESIGNER TDW
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
STA. 364+00 TO STA. 376+18.38 (NORTH)

LAW-7-2.17
TREE CLEARING

28/36

P.46
54



167 ERNEST W. AND MILDRED R. BONZO, TRUSTEES
25-064-1400.000

167 ERNEST W. AND MILDRED R. BONZO, TRUSTEES
25-064-1300.000

167 WL3

167 WL3

S 65° 44' 01" E

R/W & CONST. S.R. 7
SEE SHEET 29 36

- LEGEND**
-  **TREE CLEARING AREA - A**
 -  **TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)**
 -  **DO NOT DISTURB AREA (DND)**
 -  **2001 NEPA BOUNDARY**
 -  **POTENTIAL BAT HABITAT**

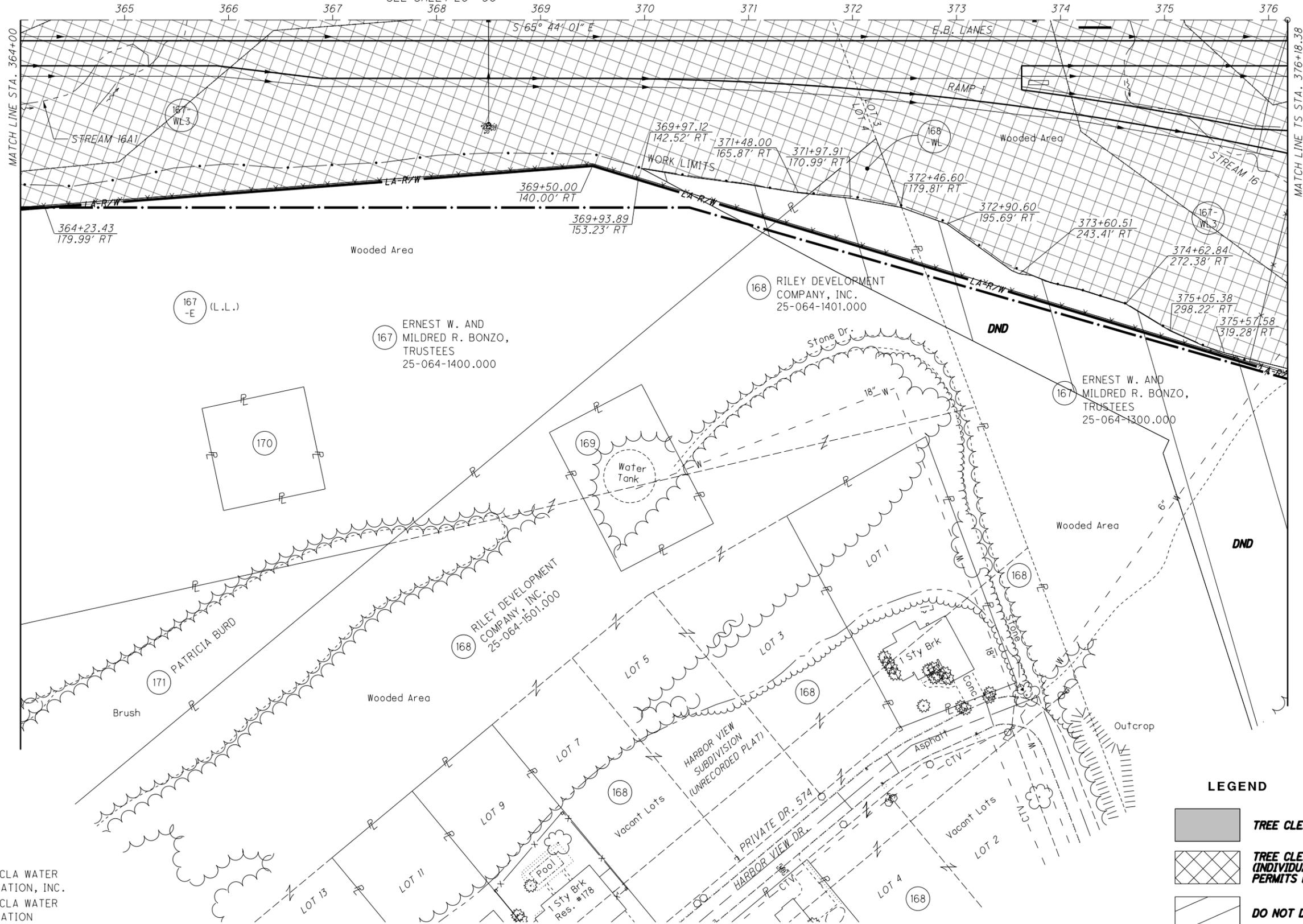
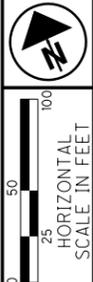
NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.

J:\143885_BG_D09_GES\7.0_Production\9B_120720_LAW-7-2.17\Design\RW_Sheets\75923RT029.dgn_Sheet 2024-07-10 10:40:12 AM Tim.Williams

LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 24, T-1-N, R-16-W

R/W & CONST. S.R. 7
SEE SHEET 28 36

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR
PERFORM ANY WORK WITHIN THE DO
NOT DISTURB AREAS OR TREE
CLEARING AREA - B WITHOUT PRIOR
WRITTEN APPROVAL. SEE NOTES
SHEET P.9.



- 169 THE HECLA WATER ASSOCIATION, INC.
- 170 THE HECLA WATER ASSOCIATION

- LEGEND**
- TREE CLEARING AREA - A
 - TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
 - DO NOT DISTURB AREA (DND)
 - 2001 NEPA BOUNDARY
 - POTENTIAL BAT HABITAT

PID NO.
120720

R/W DESIGNER TDW
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
TREE CLEARING STA. 364+00 TO STA. 376+18.38 (SOUTH)

LAW-7-2.17

29/36

P.47
54

J:\143885_BG_D09_GES\7.0_Production\9B_120720_LAW-7-2.17\Design\RW\Sheets\75923RTO30.dgn_Sheet 2024-07-10 10:40:17 AM Tim Williams

LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 24, T-1-N, R-16-W

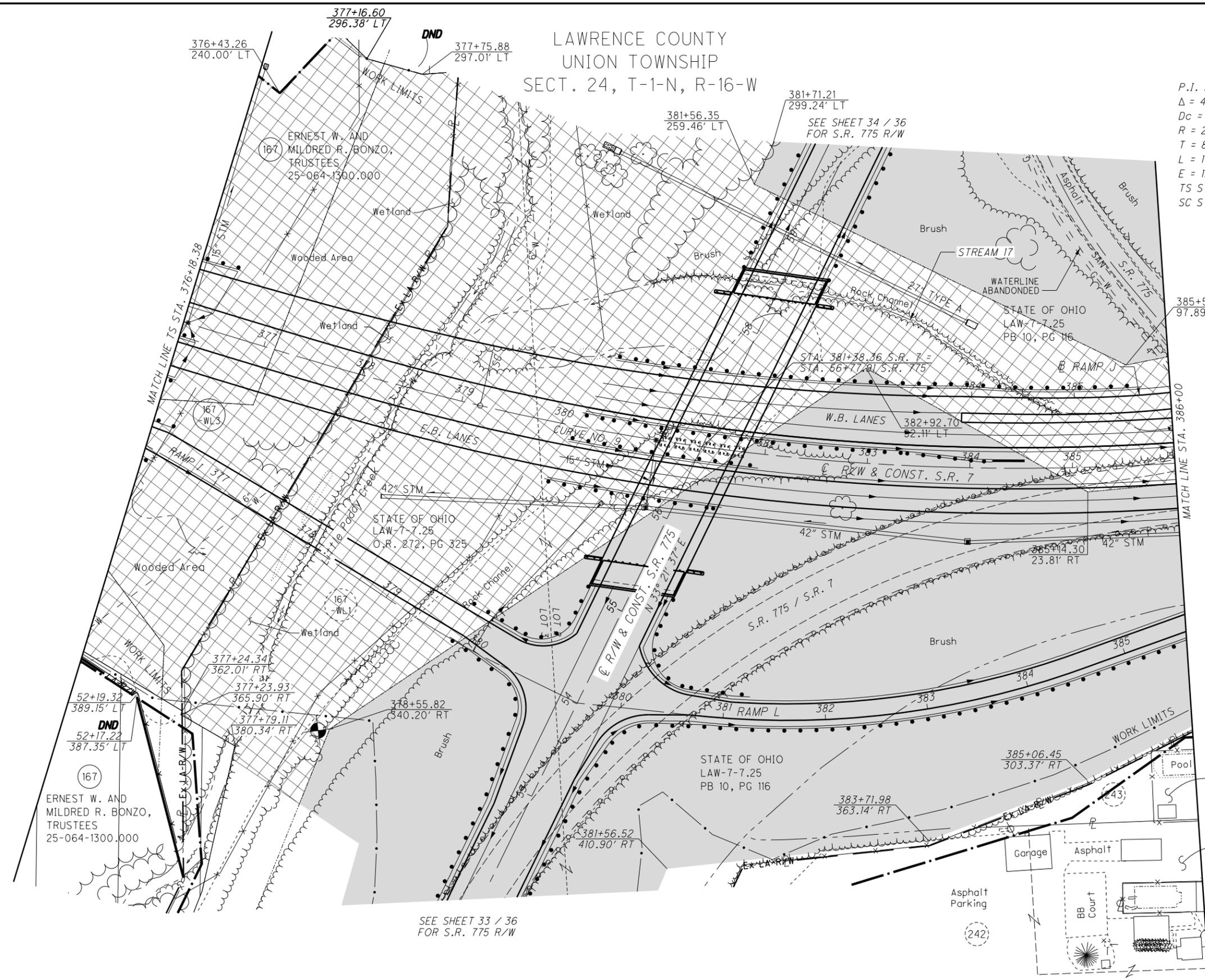
CURVE DATA
S.R. 7
CURVE NO. 9

P.I. STA. 387+47.15 $\theta_s = 3^\circ 44' 12''$
 $\Delta = 46^\circ 04' 34''$ (LT) $L_s = 300.00'$
 $D_c = 2^\circ 29' 28''$ $T_s = 1,128.77'$
 $R = 2,300.00'$ $LT = 200.04'$
 $T = 805.51'$ $ST = 100.04'$
 $L = 1,549.62'$ $CS STA. 394+68.00$
 $E = 136.98'$ $ST STA. 397+68.00$

TS STA. 376+18.38
SC STA. 379+18.38

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.

- LEGEND**
-  TREE CLEARING AREA - A
 -  TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
 -  DO NOT DISTURB AREA (DND)
 -  2001 NEPA BOUNDARY
 -  POTENTIAL BAT HABITAT



SEE SHEET 33 / 36
FOR S.R. 775 R/W





PID NO. **120720**

R/W DESIGNER TDW
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7

STA. 376+18.38 TO STA. 386+00

LAW-7-2.17

TREE CLEARING

30 / 36

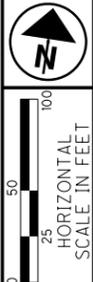
P.48

54

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LAWRENCE COUNTY
 UNION & ROME TOWNSHIP
 SECT. 24, T-1-N, R-16-W
 SECT. 34, T-1-N, R-15-W

FOR LOCATION AND TYPE OF LA-R/W FENCE
 SEE THE TABLE IN THE ROADWAY PLAN



PID NO. **120720**
 R/W DESIGNER TDW
 R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
STA. 386+00 TO STA. 397+68 (NORTH)

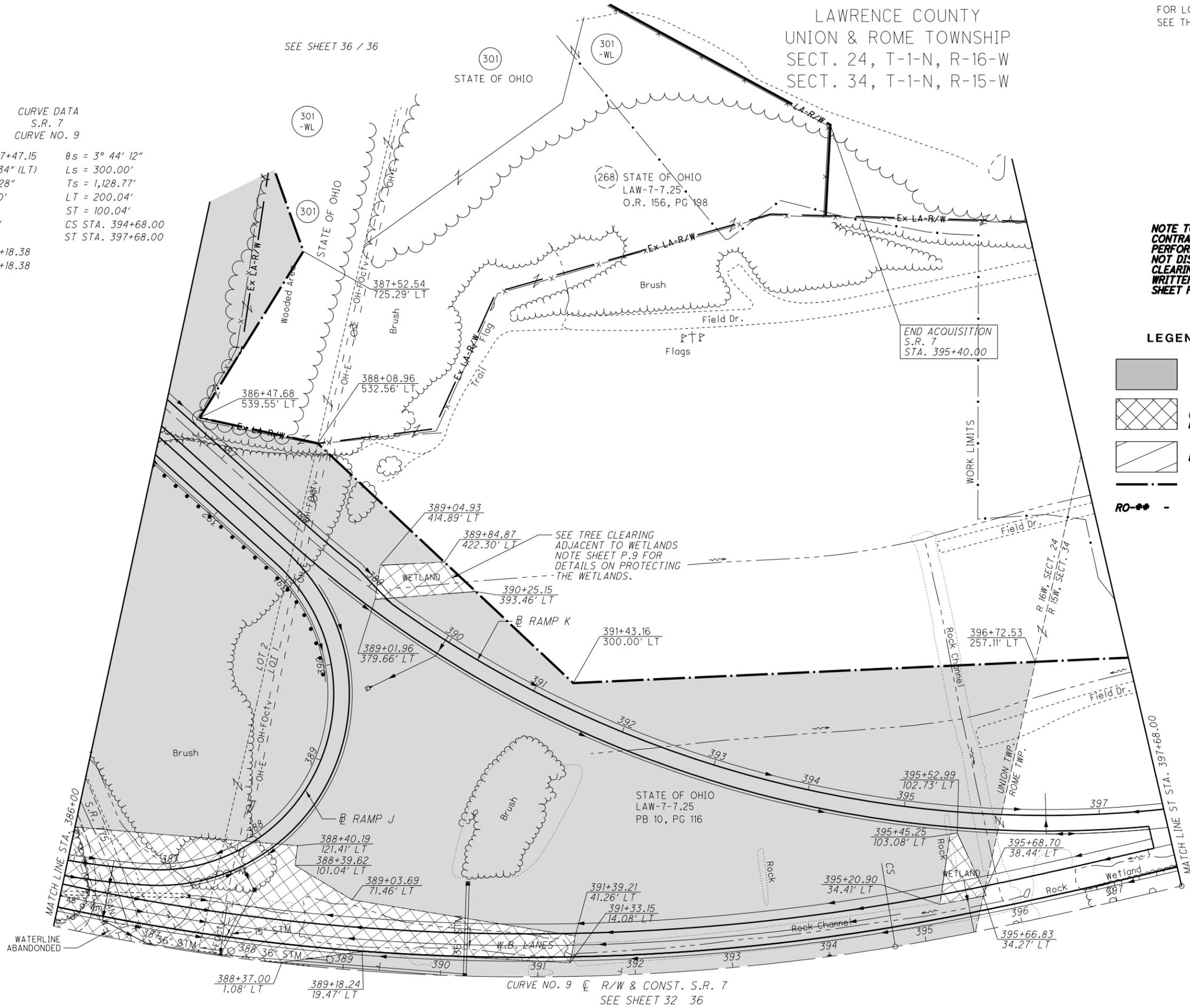
LAW-7-2.17
TREE CLEARING

31 / 36

P.49
 54

CURVE DATA
 S.R. 7
 CURVE NO. 9

P.I. STA. 387+47.15 $\theta_s = 3^\circ 44' 12''$
 $\Delta = 46^\circ 04' 34''$ (LT) $L_s = 300.00'$
 $D_c = 2^\circ 29' 28''$ $T_s = 1,128.77'$
 $R = 2,300.00'$ $LT = 200.04'$
 $T = 805.51'$ $ST = 100.04'$
 $L = 1,549.62'$ CS STA. 394+68.00
 $E = 136.98'$ ST STA. 397+68.00
 TS STA. 376+18.38
 SC STA. 379+18.38



NOTE TO CONTRACTOR:
 CONTRACTOR SHALL NOT ENTER OR
 PERFORM ANY WORK WITHIN THE DO
 NOT DISTURB AREAS OR TREE
 CLEARING AREA - B WITHOUT PRIOR
 WRITTEN APPROVAL. SEE NOTES
 SHEET P.9.

LEGEND

- TREE CLEARING AREA - A
- TREE CLEARING AREA - B
(INDIVIDUAL 404 & 401
PERMITS REQUIRED)
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

SEE TREE CLEARING
 ADJACENT TO WETLANDS
 NOTE SHEET P.9 FOR
 DETAILS ON PROTECTING
 THE WETLANDS.

STATE OF OHIO
 LAW-7-7.25
 PB 10, PG 116

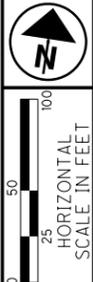
END ACQUISITION
 S.R. 7
 STA. 395+40.00

CURVE NO. 9 @ R/W & CONST. S.R. 7
 SEE SHEET 32 36

J:\143885_BG_D09_GES\7.0_Production\9B_120720_LAW-7-2.17\Design\RW\Sheets\75923RTO32.dgn_Sheet 2024-07-10 10:40:29 AM Tim.Williams

LAWRENCE COUNTY
 UNION & ROME TOWNSHIP
 SECT. 24, T-1-N, R-16-W
 SECT. 34, T-1-N, R-15-W

EX. R/W OFFSET:
 CONTRACTOR SHALL NOT CLEAR ANY
 TREES WITHIN AN OFFSET OF FIVE
 (5') FEET FROM EXISTING R/W LINE
 EXCEPT WHERE WORK LIMITS ARE
 NEEDED TO BE CLEARED.

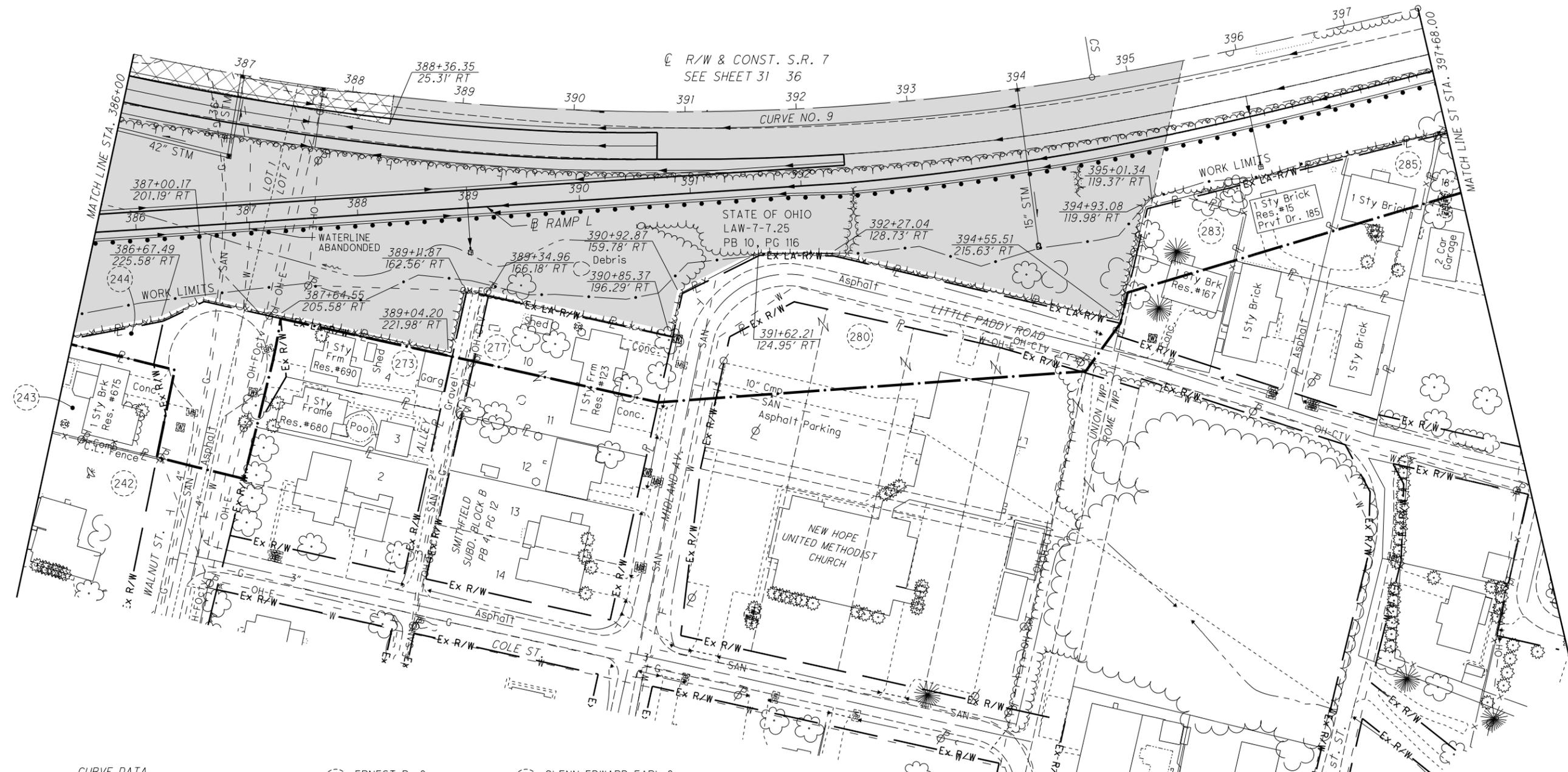


PID NO. 120720
 R/W DESIGNER TDW
 R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
 STA. 386+00 TO STA. 397+68 (SOUTH)

LAW-7-2.17
 TREE CLEARING
 32/36
 P.50
 54

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CURVE DATA
 S.R. 7
 CURVE NO. 9

P.I. STA. 387+47.15 $\theta s = 3^\circ 44' 12''$
 $\Delta = 46^\circ 04' 34''$ (LT) $Ls = 300.00'$
 $Dc = 2^\circ 29' 28''$ $Ts = 1,128.77'$
 $R = 2,300.00'$ $LT = 200.04'$
 $T = 805.51'$ $ST = 100.04'$
 $L = 1,549.62'$ $CS STA. 394+68.00$
 $E = 136.98'$ $ST STA. 397+68.00$
 TS STA. 376+18.38
 SC STA. 379+18.38

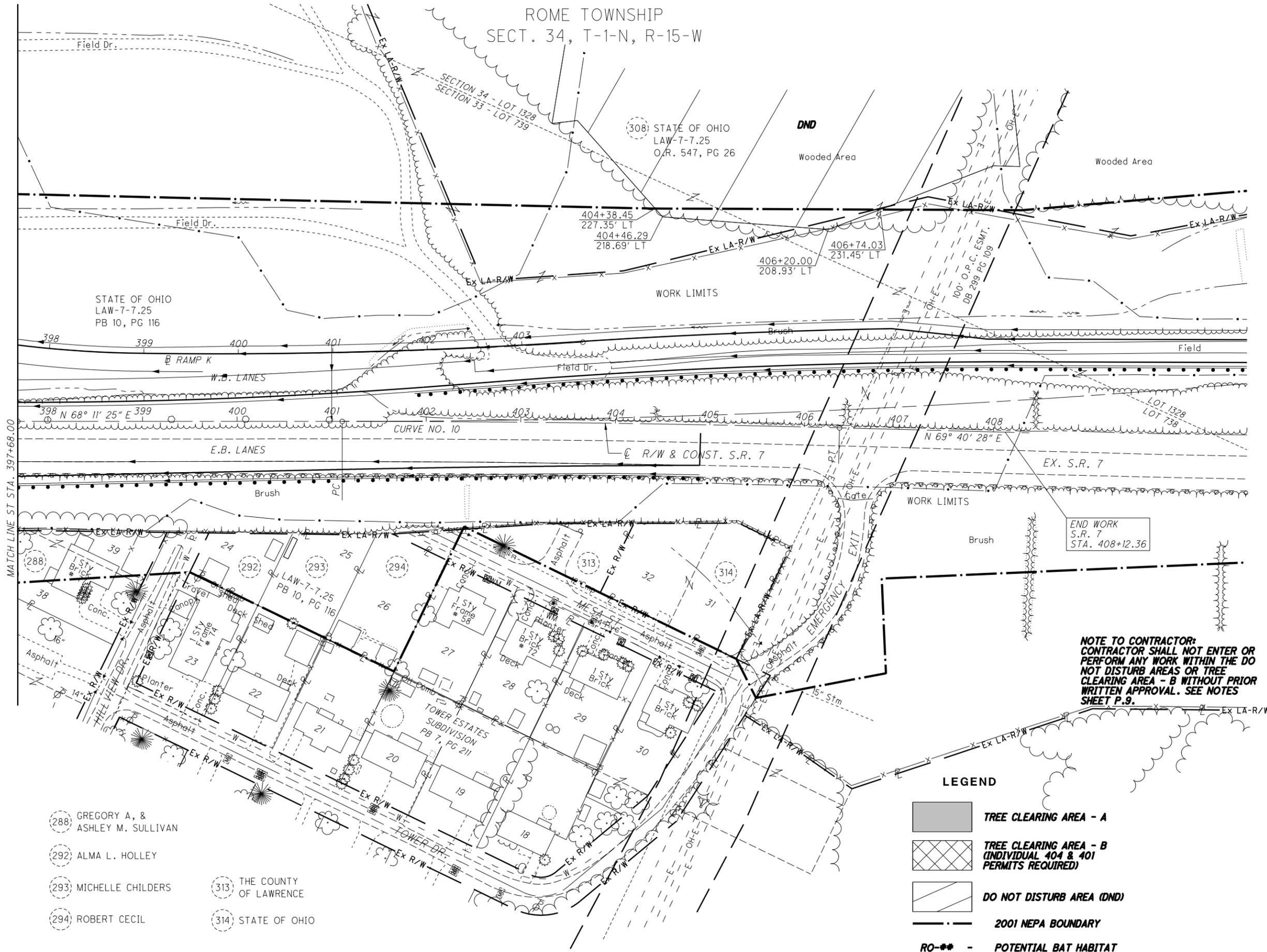
- (242) ERNEST B. & CLORINDA G. HALL
25-061-0500.000
- (243) ERNEST RALPH ROOD & MYRTLE RUTH ROOD
25-064-0700.000
- (244) STATE OF OHIO
25-063-0700.003
- (273) DANNY LEE BURCHAM
25-067-1500.000
- (277) GLENN EDWARD EARL & NANCY K. EARL
25-068-0200.000
- (280) NEW HOPE UNITED METHODIST CHURCH
25-060-1606.000
- (283) JOHN T. WILLIAMS II, & JENETTE WILLIAMS
18-137-1601.000
- (285) DANNY J. HOLSCHUH
18-137-1600.005

LEGEND

- TREE CLEARING AREA - A
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- RO-## - POTENTIAL BAT HABITAT

NOTE TO CONTRACTOR:
 CONTRACTOR SHALL NOT ENTER OR
 PERFORM ANY WORK WITHIN THE DO
 NOT DISTURB AREAS OR TREE
 CLEARING AREA - B WITHOUT PRIOR
 WRITTEN APPROVAL. SEE NOTES
 SHEET P.9.

LAWRENCE COUNTY
ROME TOWNSHIP
SECT. 34, T-1-N, R-15-W



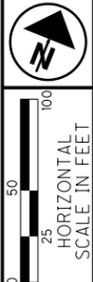
CURVE DATA
S.R. 7
CURVE NO. 10

P.I. STA. 403+74.19
 $\Delta = 1^\circ 29' 03''$ (RT)
 $D_c = 0^\circ 16' 56''$
 $R = 20,306.35'$
 $T = 263.02'$
 $L = 526.00'$
 $E = 1.70'$
 PC STA. 401+11.17
 PT STA. 406+37.18

- (288) GREGORY A, & ASHLEY M. SULLIVAN
- (292) ALMA L. HOLLEY
- (293) MICHELLE CHILDERS
- (294) ROBERT CECIL
- (313) THE COUNTY OF LAWRENCE
- (314) STATE OF OHIO

- LEGEND**
- TREE CLEARING AREA - A
 - TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
 - DO NOT DISTURB AREA (DND)
 - 2001 NEPA BOUNDARY
 - RO-**- POTENTIAL BAT HABITAT

NOTE TO CONTRACTOR:
 CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.



PID NO. 120720
 R/W DESIGNER TDW
 R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 7
 STA. 397+68 TO 408+12.36

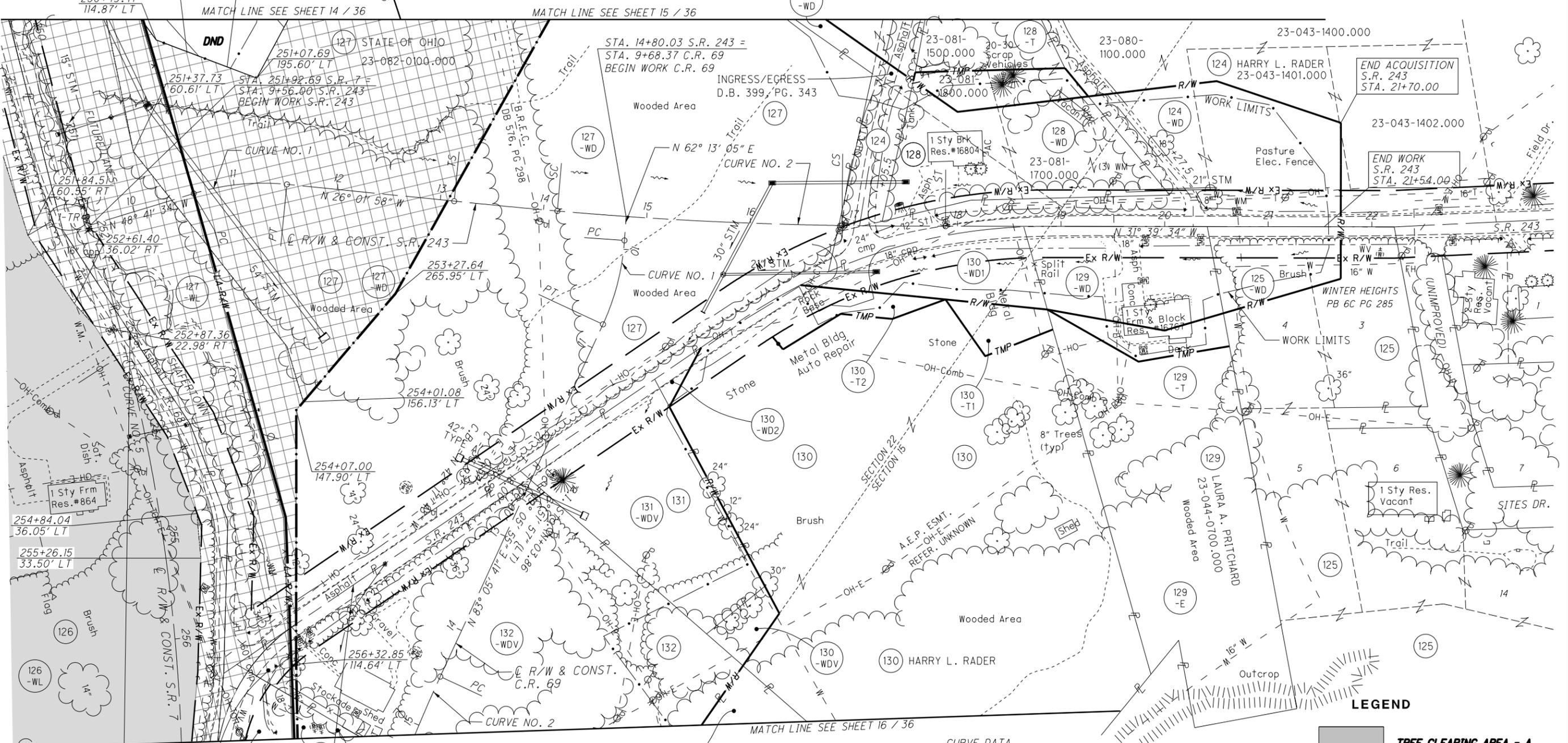
LAW-7-2.17
 TREE CLEARING

J:\143885_BG_D09_GES\7.0_Production\9B_120720_LAW-7-2.17_Design\RW_Sheets\75923RTO34.dgn_Sheet 2024-07-10 10:40:44 AM Tim.Williams

- 125 LARRY J. SITES, II, ETAL.
- 126 STATE OF OHIO
- 128 LAWRENCE A. & INEZ M. THOMPSON
- 131 STATE OF OHIO
- 132 STATE OF OHIO
- 135 ROGER & HELEN HENSON

LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 15 & 22, T-1-N, R-16-W

CURVE DATA	CURVE DATA	CURVE DATA	CURVE DATA
C.R. 69 CURVE NO. 1	C.R. 69 CURVE NO. 2	S.R. 243 CURVE NO. 1	S.R. 243 CURVE NO. 2
P.I. Sta. 10+33.80 $\Delta = 20^\circ 52' 36''$ (RT) Dc = 24° 54' 40" R = 230.00' T = 42.37' L = 83.80' E = 3.87' PC STA. 9+91.43 PT STA. 10+75.23	P.I. Sta. 15+77.89 $\Delta = 10^\circ 17' 44''$ (LT) Dc = 4° 00' 00" R = 1,432.39' T = 129.04' L = 257.39' E = 5.80' PC STA. 14+48.85 PT STA. 17+06.24	P.I. Sta. 11+06.30 $\Delta = 22^\circ 39' 36''$ (RT) Dc = 24° 54' 40" R = 230.00' T = 46.08' L = 90.96' E = 4.57' PC STA. 10+60.22 PT STA. 11+51.18	P.I. STA. 15+51.11 $\theta s = 00^\circ 45' 00''$ Ls = 100.00' Ts = 237.72' LT = 66.67' ST = 33.33' CS Sta. 16+88.52 ST Sta. 17+88.52



CURVE DATA	CURVE DATA	CURVE DATA
S.R. 7 CURVE NO. 5		
P.I. STA. 261+89.75 $\Delta = 58^\circ 46' 06''$ (RT) Dc = 3° 15' 00" R = 1,762.95' T = 773.76' L = 1,458.26' E = 162.33' TS STA. 250+20.45 SC STA. 253+70.45	$\theta s = 5^\circ 41' 15''$ Ls = 350.00' Ts = 1,169.30' LT = 233.45' ST = 116.78' CS STA. 268+28.71 ST STA. 271+78.71	

NOTE TO CONTRACTOR:
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LEGEND

- TREE CLEARING AREA - A
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

APPROX. LOCATION ACCESS POINT 7

APPROX. LOCATION ACCESS POINT 8

143 ERNEST W. & MILDRED R. BONZO, TRUSTEES

J:\143885_BG_D09_GES\7.0_Production\9B_120720_LAW-7-2.17_Design\RW_Sheets\75923RTO35.dgn_Sheet 2024-07-10 10:40:52 AM Tim.Williams

N

0 50 100
25 HORIZONTAL SCALE IN FEET

PID NO. 120720

R/W DESIGNER TDW
R/W REVIEWER JWH

TREE CLEARING PLAN - S.R. 243
TREE CLEARING S.R. 243

LAW-7-2.17

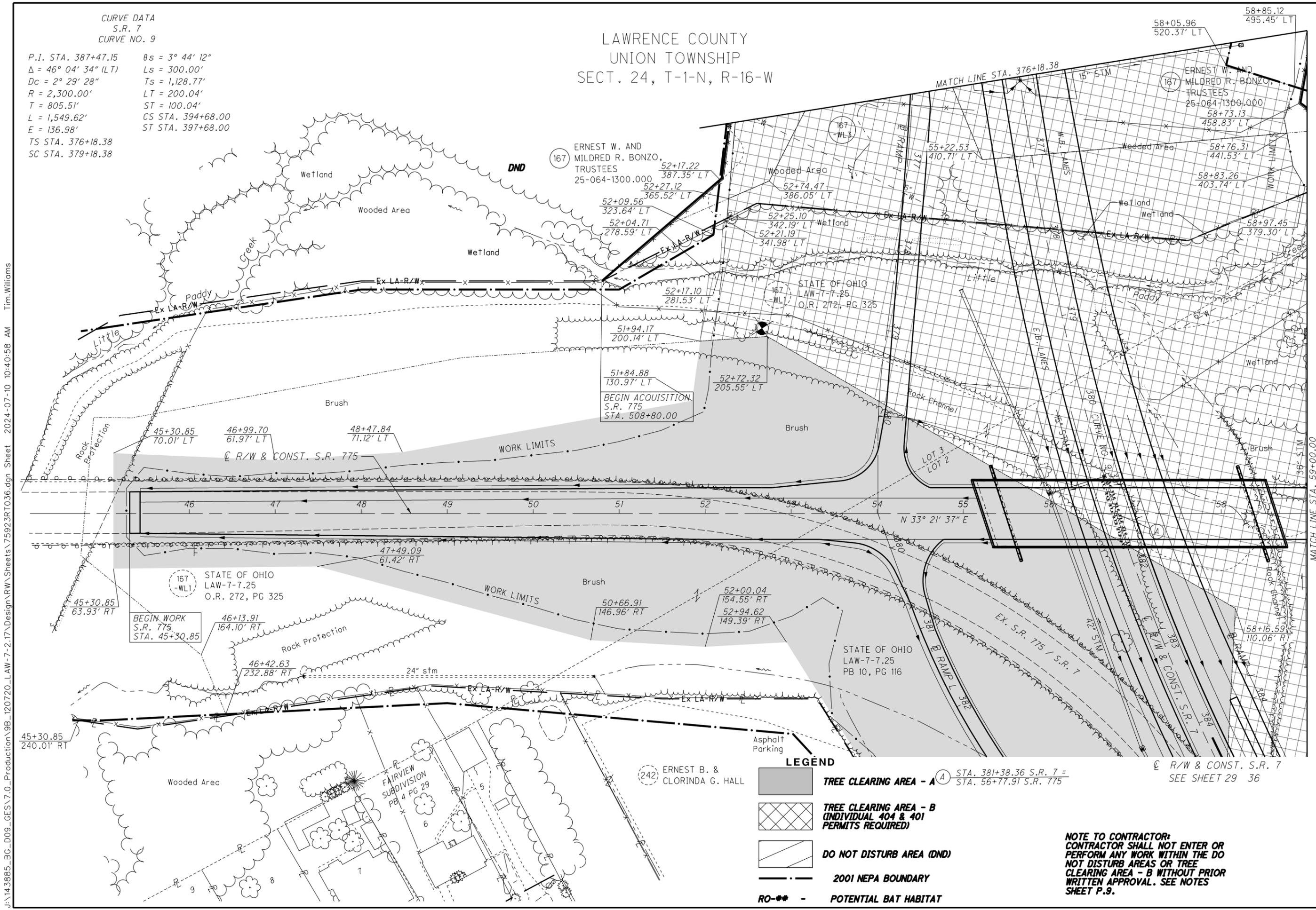
34/36

P.52
54

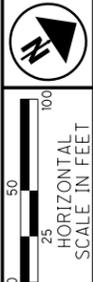
CURVE DATA
S.R. 7
CURVE NO. 9

P.I. STA. 387+47.15 $\theta_s = 3^\circ 44' 12''$
 $\Delta = 46^\circ 04' 34''$ (LT) $L_s = 300.00'$
 $D_c = 2^\circ 29' 28''$ $T_s = 1,128.77'$
 $R = 2,300.00'$ $LT = 200.04'$
 $T = 805.51'$ $ST = 100.04'$
 $L = 1,549.62'$ $CS STA. 394+68.00$
 $E = 136.98'$ $ST STA. 397+68.00$
 TS STA. 376+18.38
 SC STA. 379+18.38

LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 24, T-1-N, R-16-W



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PID NO. 120720
R/W DESIGNER TDW
R/W REVIEWER JWH

TREE CLEARING PLAN - S.R. 775
S.R. 775 - STA. 45+30.85 TO STA. 59+00

LAW-7-2.17
TREE CLEARING
35/36
P.53
54

LEGEND

- TREE CLEARING AREA - A (A) STA. 381+38.36 S.R. 7 = STA. 56+77.91 S.R. 775
- TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
- DO NOT DISTURB AREA (DND)
- 2001 NEPA BOUNDARY
- POTENTIAL BAT HABITAT

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR PERFORM ANY WORK WITHIN THE DO NOT DISTURB AREAS OR TREE CLEARING AREA - B WITHOUT PRIOR WRITTEN APPROVAL. SEE NOTES SHEET P.9.

STATE OF OHIO
LAW-7-7.25
O.R. 272, PG 325
BEGIN. WORK
S.R. 775
STA. 45+30.85

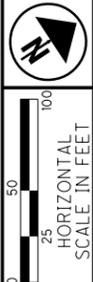
BEGIN ACQUISITION
S.R. 775
STA. 508+80.00

STATE OF OHIO
LAW-7-7.25
PB 10, PG 116

R/W & CONST. S.R. 7
SEE SHEET 29 36

LAWRENCE COUNTY
UNION TOWNSHIP
SECT. 24, T-1-N, R-16-W

(B) NEAREST BUILDING CORNER
DIMENSION TO LA-R/W LINE,
MOBILE HOME = 2.7', GARAGE = 9.6'



PID NO. **120720**

R/W DESIGNER TDW
R/W REVIEWER JQH

TREE CLEARING PLAN - S.R. 775

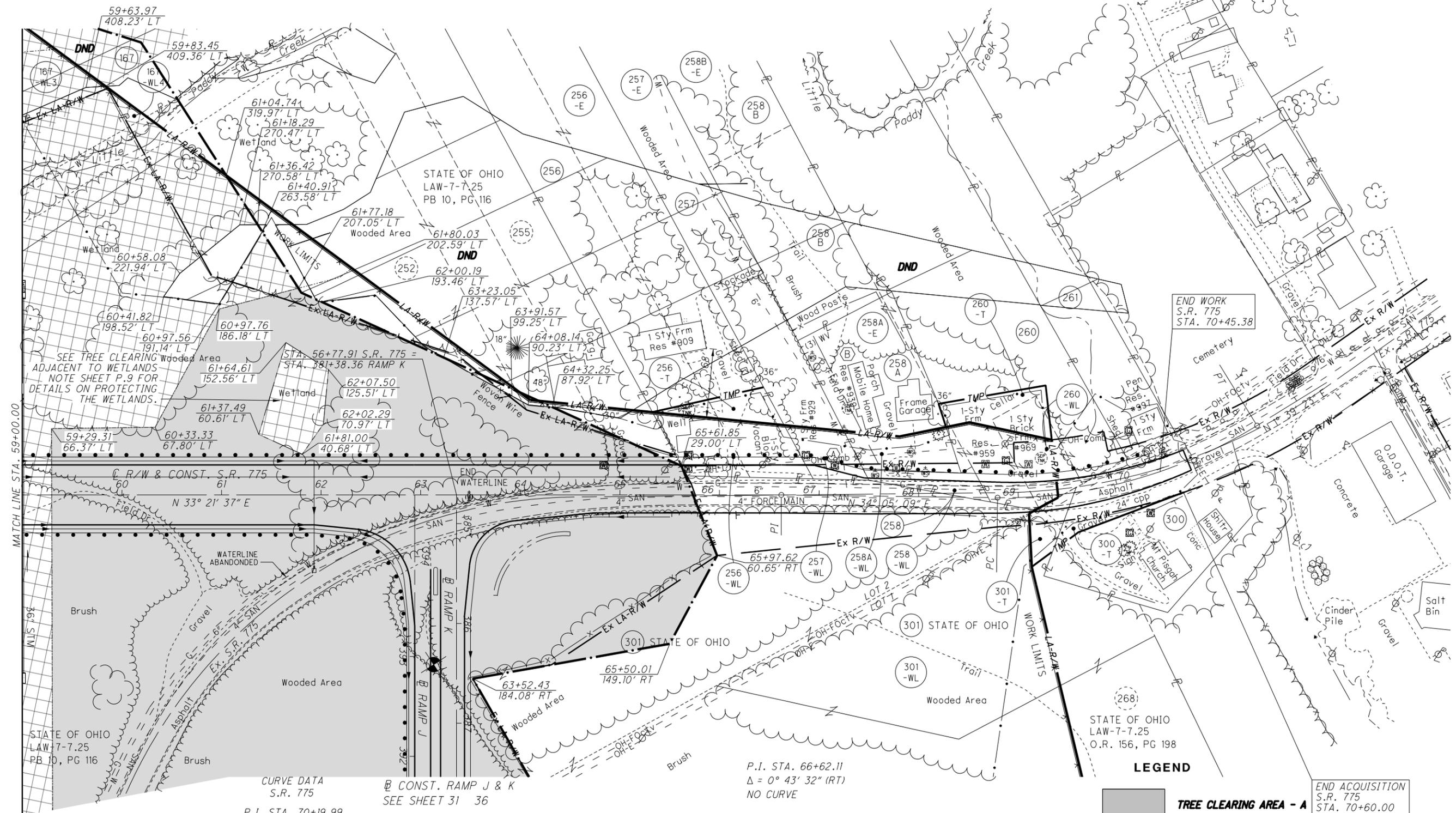
S.R. 775 - STA. 59+00 TO STA. 70+45.38

**LAW-7-2.17
TREE CLEARING**

36/36

P.54
54

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SEE TREE CLEARING
ADJACENT TO WETLANDS
NOTE SHEET P.9 FOR
DETAILS ON PROTECTING
THE WETLANDS.

END WORK
S.R. 775
STA. 70+45.38

END ACQUISITION
S.R. 775
STA. 70+60.00

CURVE DATA
S.R. 775
P.I. STA. 70+19.99
 $\Delta = 32^\circ 25' 07''$ (LT)
 $D_c = 11^\circ 50' 00''$
 $R = 484.19'$
 $T = 140.76'$
 $L = 273.96'$
 $E = 20.04'$
PC STA. = 68+79.23
PT STA. = 71+53.19

CONST. RAMP J & K
SEE SHEET 31 36

P.I. STA. 66+62.11
 $\Delta = 0^\circ 43' 32''$ (RT)
NO CURVE

- (167) ERNEST W. AND MILDRED R. BONZO, TRUSTEES
- (252) STATE OF OHIO
- (255) STATE OF OHIO
- (256) MANFORD KING
- (257) STATE OF OHIO
- (258) TERRY J. & KAY L. HOLLAND
- (258 A) HELEN KATHLEEN SPEARS
- (258 B) BURNIE E. WATSON
- (260) HELENA HAMMONS
- (261) GERTRUDE SCARBERRY
- (300) MT. PISGAH CHURCH
- (A) Conc. Walk & Pipe Handrails

- LEGEND**
- TREE CLEARING AREA - A
 - TREE CLEARING AREA - B (INDIVIDUAL 404 & 401 PERMITS REQUIRED)
 - DO NOT DISTURB AREA (DND)
 - 2001 NEPA BOUNDARY
 - POTENTIAL BAT HABITAT

NOTE TO CONTRACTOR:
CONTRACTOR SHALL NOT ENTER OR
PERFORM ANY WORK WITHIN THE DO
NOT DISTURB AREAS OR TREE
CLEARING AREA - B WITHOUT PRIOR
WRITTEN APPROVAL. SEE NOTES
SHEET P.9.