

Information for File #2013-02281-NTD

Applicant: Town of Green Valley

Corps Contact: Nick Domer, U. S. Army Corps of Engineers, 211 North Broadway, Suite 221, Green Bay, Wisconsin 54303; nicholas.t.domer@usace.army.mil; (651) 290-5855.

Primary County: Shawano

Location: Sections 27, 28, 33, and 34, Township 27N, Range 18E

Information Complete On: 3-5-2014

Posting Expires On: 7-12-2014

Authorization Type: Section 404 Letter of Permission

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated waterbody/wetland impacts and compensatory mitigation requirements identified above. A preliminary or approved jurisdictional determination will be made prior to reaching a permit decision. If an approved determination is made, it will be posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/>.

PROJECT DESCRIPTION AND PURPOSE: The Town of Green Valley has applied for a Department of the Army permit to discharge dredged and fill material into waters of the United States to reconstruct a 1-mile segment of Plier Road from Strupp Road to CTH E. The purpose of the project is to improve the deteriorated pavement, correct drainage problems, create a safer roadway, and to comply with current town road design standards.

NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS) SUBJECT TO LOSS: Approximately 0.64 acre of hardwood swamp wetlands and 0.88 acre of wet meadow wetlands would be permanently filled as a result of the proposed road reconstruction project. Approximately 150 linear feet of stream, including impacts to three unnamed tributaries (50 linear feet each) to the Pensaukee River would also be impacted by culvert replacements along the project corridor.

ALTERNATIVES CONSIDERED: The no-build alternative would avoid impacts to wetlands; however the alternative was eliminated by the applicant because it failed to

address the need and purpose of the project. Additional alternatives considered and dismissed include:

- Resurfacing the roadway without reconstruction.
- Reconstruction without widening the footprint of the roadway.
- Construction of a new roadway at an alternative location.

Resurfacing the roadway without reconstruction and reconstructing the roadway without widening the footprint were eliminated because these alternatives would not meet current design standards. To comply with current town road standards, the shoulders need to be widened. Construction of a new roadway at a different location was dismissed because environmental impacts and construction costs would be much greater than the applicants preferred alternative.

The applicant's preferred alternative involves reconstructing the roadway incorporating changes to the current alignment, vertical profile, sideslopes, and drainage ditches. If authorized, the existing 1-2 foot shoulders would be widened to 3 feet to comply with AASHTO standards. The existing 10 foot travel lanes would be widened to 11 feet. Sideslopes would also be softened to improve safety, and roadside ditches would be graded to improve drainage.

AVOIDANCE AND MINIMIZATION: During the design process, side slopes were steepened in an effort to minimize wetland impacts. The applicant also proposes to implement erosion control best management practices to minimize potential impacts to undisturbed wetlands.

COMPENSATORY MITIGATION: To compensate for unavoidable adverse impacts to wetlands, the Town of Green Valley has purchased 1.28 in-kind wet meadow credits from the Chequamegon Wetland Mitigation Bank and 0.09 in-kind forested wetland credits from the Wolf River Basin Wetland Mitigation Bank located in Shawano County, Wisconsin. The replacement ratio for this project is 1.45:1 (1.45 credits debited for every 1 acre of wetland impacted).

DRAWINGS: See attached.

PROJECT ID: N/A

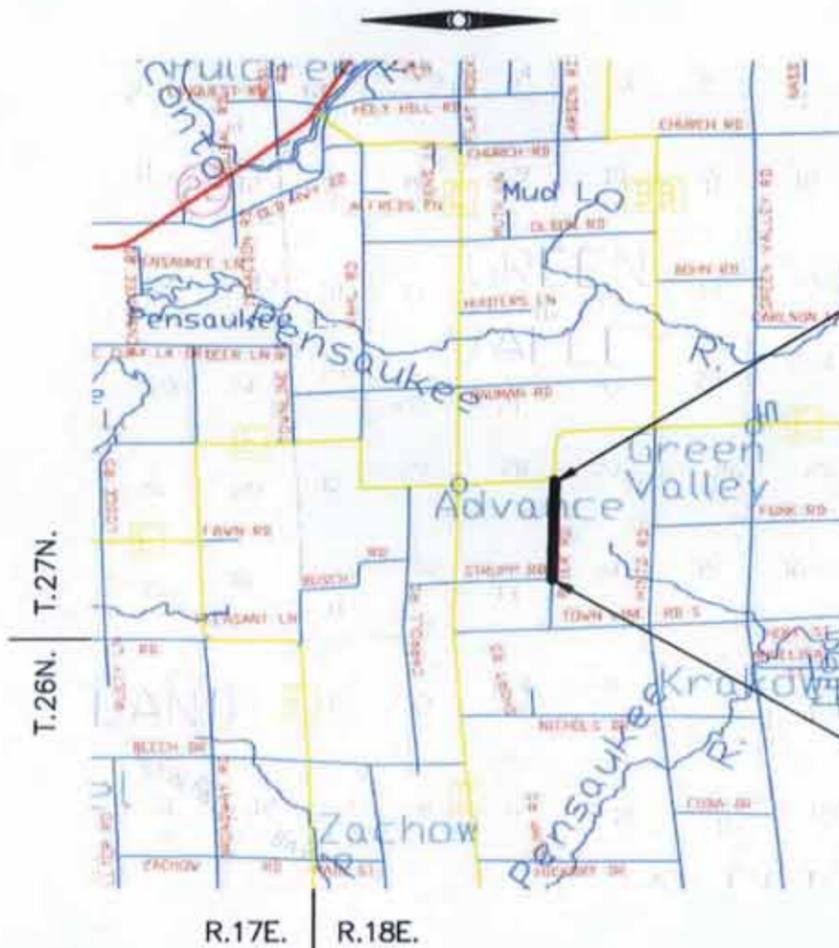
COUNTY: SHAWANO

ORDER OF SHEETS

- Section No. 1 Title
- Section No. 2 Typical Sections and Details
- Section No. 3 Miscellaneous Quantities
- Section No. 4 Right-of-Way Plat
- Section No. 5 Plan and Profile (Includes erosion control plan)
- Section No. 6 Standard Detail Drawings

- Section No. 9 Cross-Sections

STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION
 PLAN OF PROPOSED IMPROVEMENT
STRUPP RD – CTH E
 TOWN OF GREEN VALLEY
 PLIER RD
 SHAWANO COUNTY

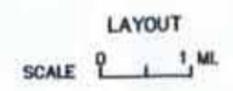


END PROJECT
 STA 179+84.09

BEGIN PROJECT
 STA 125+32.13
 X = 937001.737
 Y = 268713.970

CONVENTIONAL SYMBOLS

- | | | | |
|-----------------------------------|--|--|--|
| PLAN | | PROFILE | |
| CORPORATE LIMITS | | GRADE LINE | |
| PROPERTY LINE | | ORIGINAL GROUND | |
| LOT LINE | | MARSH OR ROCK PROFILE
(To be noted as such) | |
| LIMITED HIGHWAY EASEMENT | | SPECIAL DITCH | |
| EXISTING RIGHT OF WAY | | GRADE ELEVATION | |
| PROPOSED OR NEW R/W LINE | | CULVERT (Profile View) | |
| SLOPE INTERCEPT | | UTILITIES | |
| REFERENCE LINE | | ELECTRIC | |
| EXISTING CULVERT | | OVERHEAD LINES | |
| PROPOSED CULVERT
(Box or Pipe) | | FIBER OPTIC | |
| COMBUSTIBLE FLUIDS | | GAS | |
| MARSH AREA | | SANITARY SEWER | |
| WOODED OR SHRUB AREA | | STORM SEWER | |
| RIGHT-OF-WAY MARKERS | | TELEPHONE | |
| | | UTILITY PEDESTAL | |
| | | POWER POLE | |
| | | TELEPHONE POLE | |



TOTAL NET LENGTH OF CENTERLINE = 1.033 MI

ACCEPTED FOR TOWN OF GREEN VALLEY	
DATE _____	TOWN CHAIRMAN _____
ORIGINAL PLANS PREPARED BY _____	
DATE _____	
PREPARED BY Surveyor <u>SHAWANO COUNTY HIGHWAY DEPT.</u> Designer <u>KATHRYN SCHWARTZ, P.E.</u>	
COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), SHAWANO COUNTY.	
E	

GENERAL NOTES

CONSTRUCTION SHALL COMPLY WITH APPLICABLE PROVISIONS OF THE CURRENT EDITION OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

CURVE DATA SHOWN ON THE PLAN IS 'ARC DEFINITION'.

PLAN ELEVATIONS = NAVD DATUM (1988).

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY FACILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER IN THE FIELD.

WETLAND AREAS ARE SHOWN ON THE PLANS. LIMIT CONSTRUCTION ACTIVITIES TO WORK WITHIN THE SLOPE INTERCEPTS IN THE WETLAND AREAS.

ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS BETWEEN SUBGRADE SHOULDER POINTS, SHALL BE SALVAGED TOPSOILED, FERTILIZED, SEEDED, AND MULCHED. DISTURBED AREAS ADJACENT TO LAWNS SHALL BE SEEDED WITH MIXTURE NO. 40, ALL OTHERS SHALL BE SEEDED WITH MIXTURE NO. XX.

DRIVEWAYS SHALL BE REPLACED IN KIND. CRUSHED AGGREGATE DRIVEWAYS SHALL CONSIST OF 6-INCHES OF BASE AGGREGATE DENSE 3/4-INCH.

THE EXACT LOCATION AND WIDTH OF DRIVEWAYS SHALL BE DETERMINED IN THE FIELD.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN ARE APPROXIMATE AND SHALL BE DETERMINED IN THE FIELD.

IF EXCAVATION BELOW SUBGRADE IS REQUIRED IT WILL BE MEASURED AND PAID FOR AS COMMON EXCAVATION.

UTILITIES



Toll Free (800) 242-8511
 Milwaukee Area (414) 259-1181
 Hearing Impaired TDD (800) 542-2289
 www.DiggersHotline.com

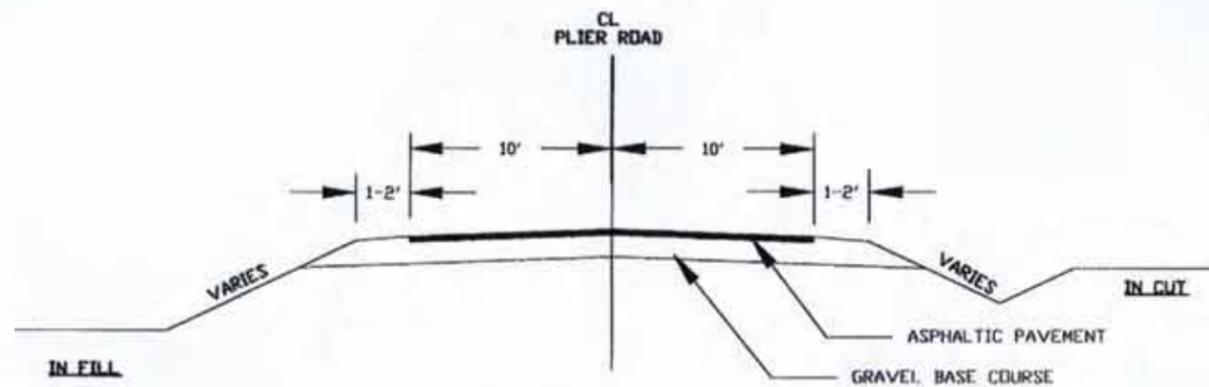
FRONTIER COMMUNICATIONS
 JAMES JASKOLSKI
 26 WEST TWELFTH STREET
 CLINTONVILLE, WI 54929
 1-715-853-6843 (MOBILE)
 1-715-823-1227
 James.Jaskolski@ftr.com

WE ENERGIES (ELECTRIC)
 JIM QUINN
 P.O. BOX 1699
 APPLETON, WI 54912-1699
 1-800-452-3311
 1-920-380-3447
 1-920-380-3401 (MOBILE)
 Jim.Quinn@we-energies.com

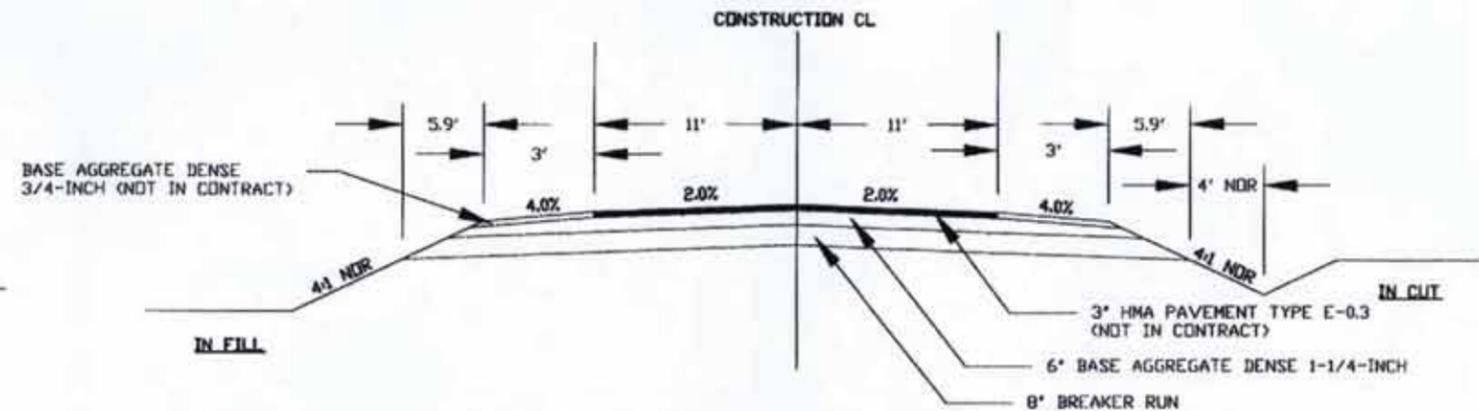
DNR AREA LIAISON
 JAMES DOPERALSKI JR.
 2984 SHAWANO AVENUE
 GREEN BAY, WI 54313
 1-920-662-5119
 1-920-662-5159 (FAX)
 James.Doperalski@wisconsin.gov

COUNTY SURVEYOR
 DAVE YURK, R.L.S. - DMNI
 1-715-526-6766
 1-715-526-6273 (FAX)
 Dave.Yurk@co.shawano.wis.

DESIGN CONTACT
 KATIE SCHWARTZ, P.E.
 3035 EAST RICHMOND STREET
 SHAWANO, WI 54166
 1-715-526-9182
 1-715-524-4162 (FAX)
 Katie.Schwartz@co.shawano.wis.

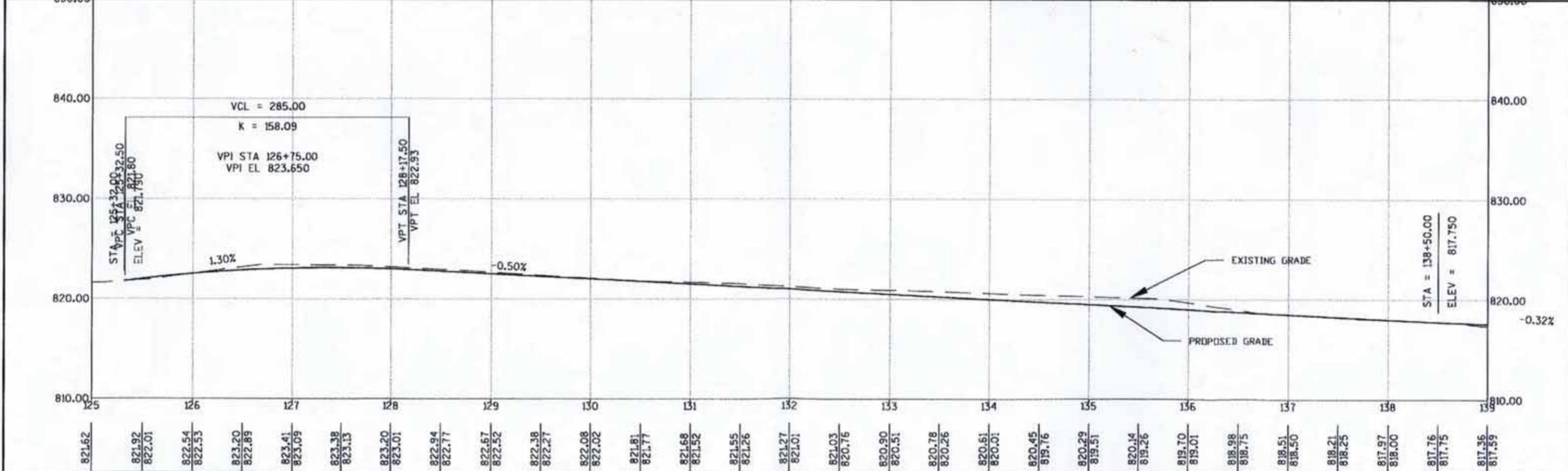
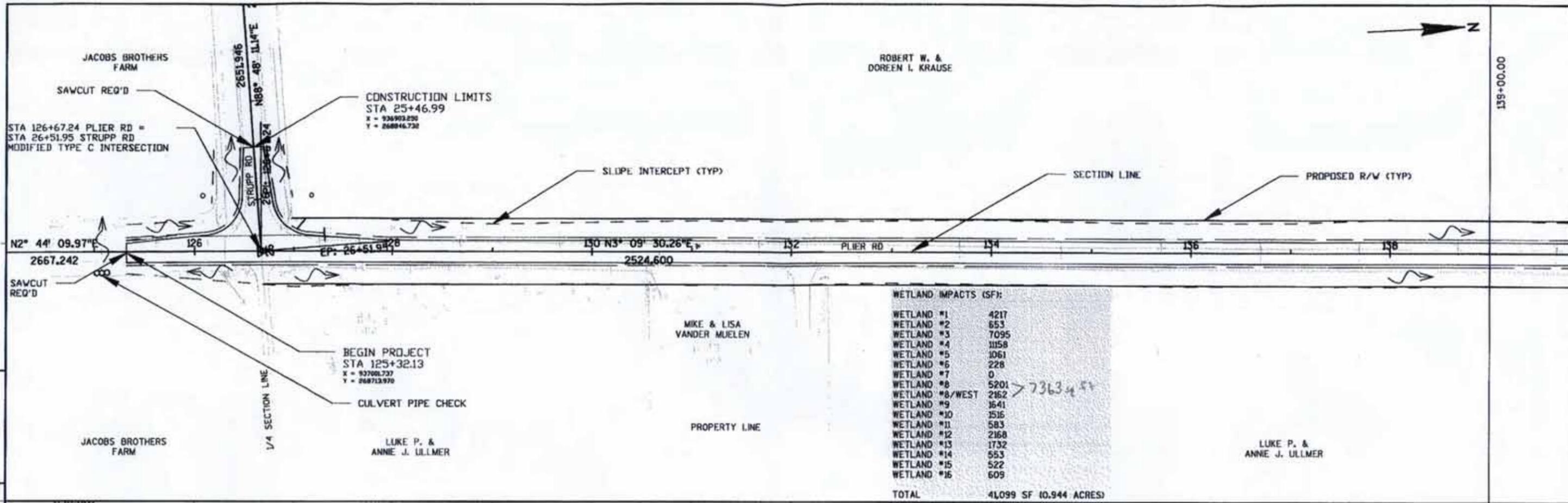


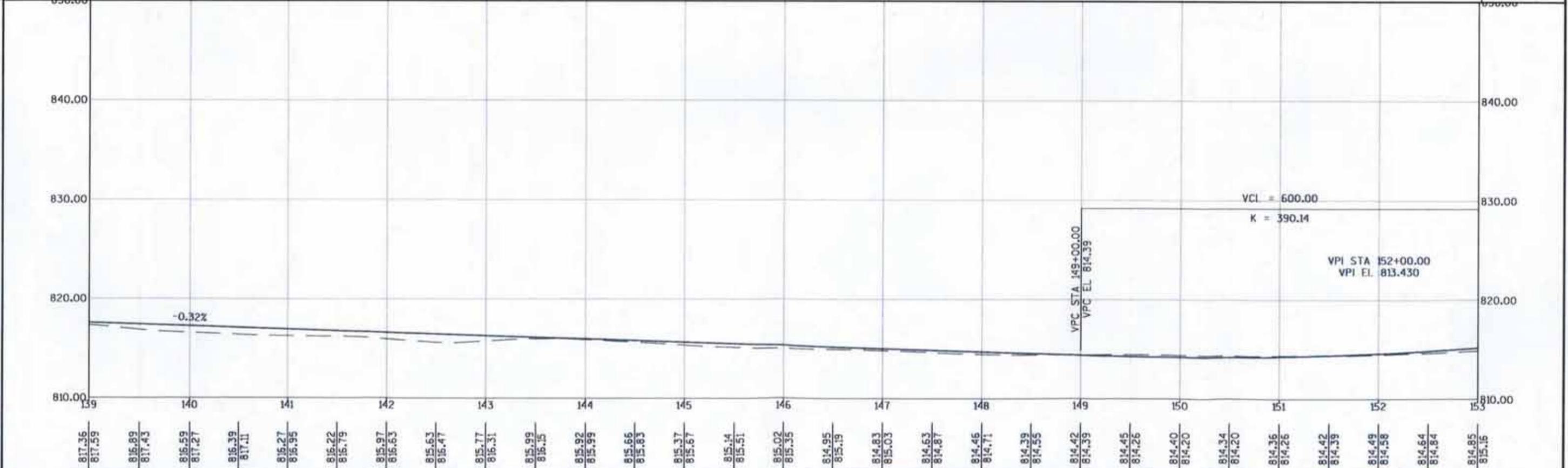
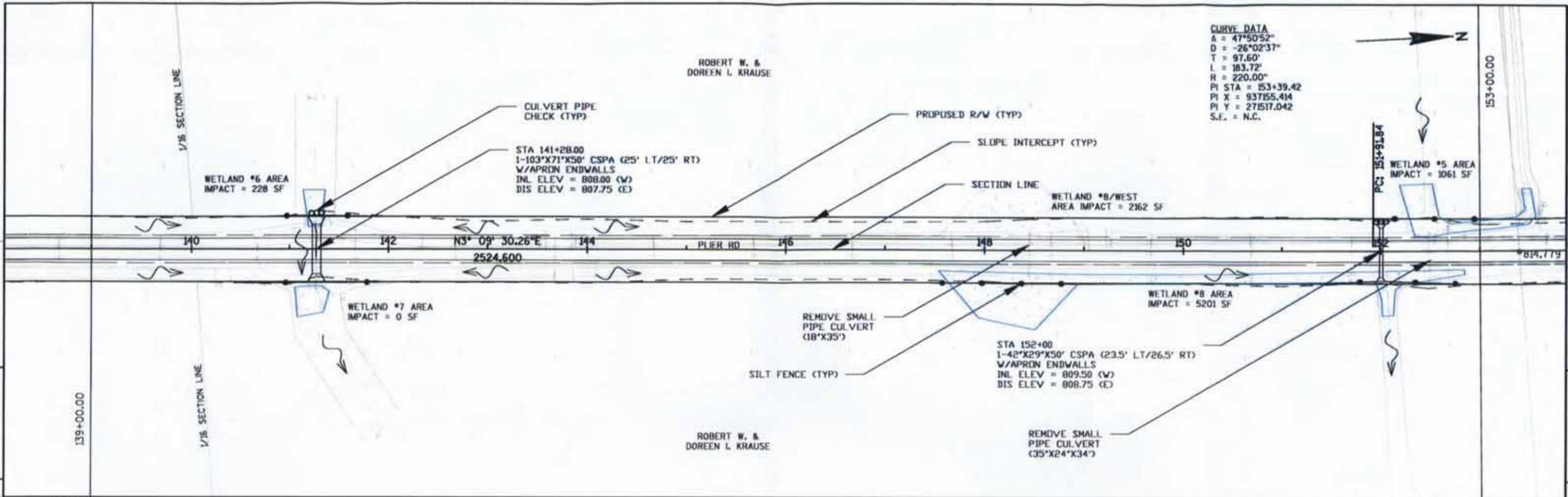
EXISTING TYPICAL SECTION



TYPICAL FINISHED SECTION PLIER RD

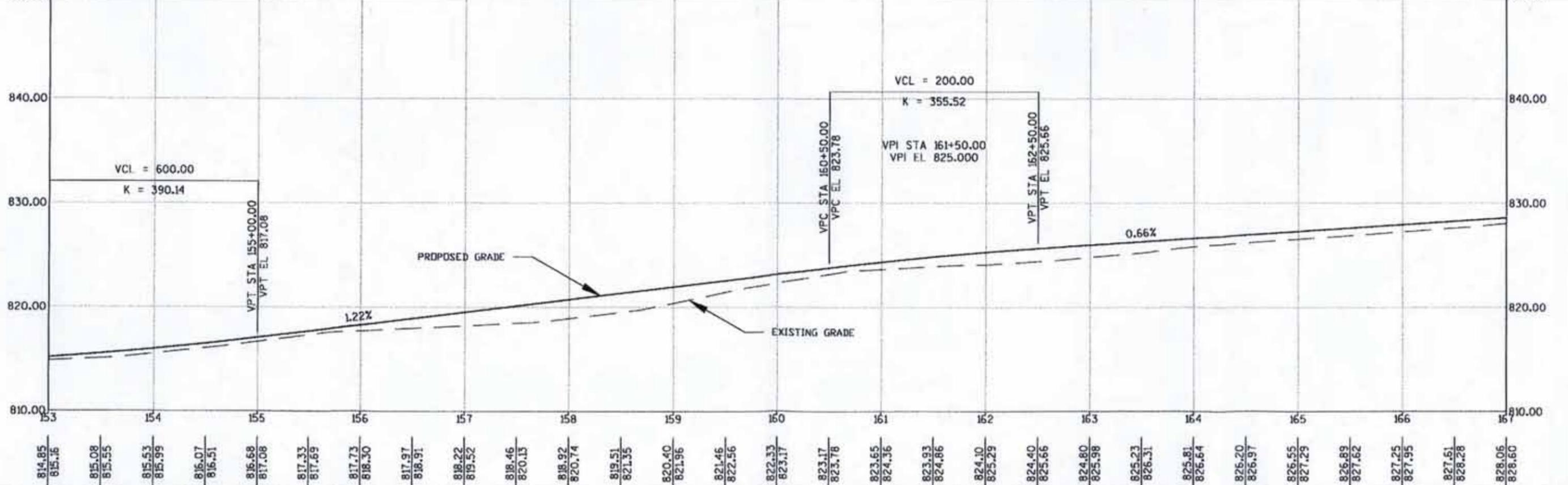
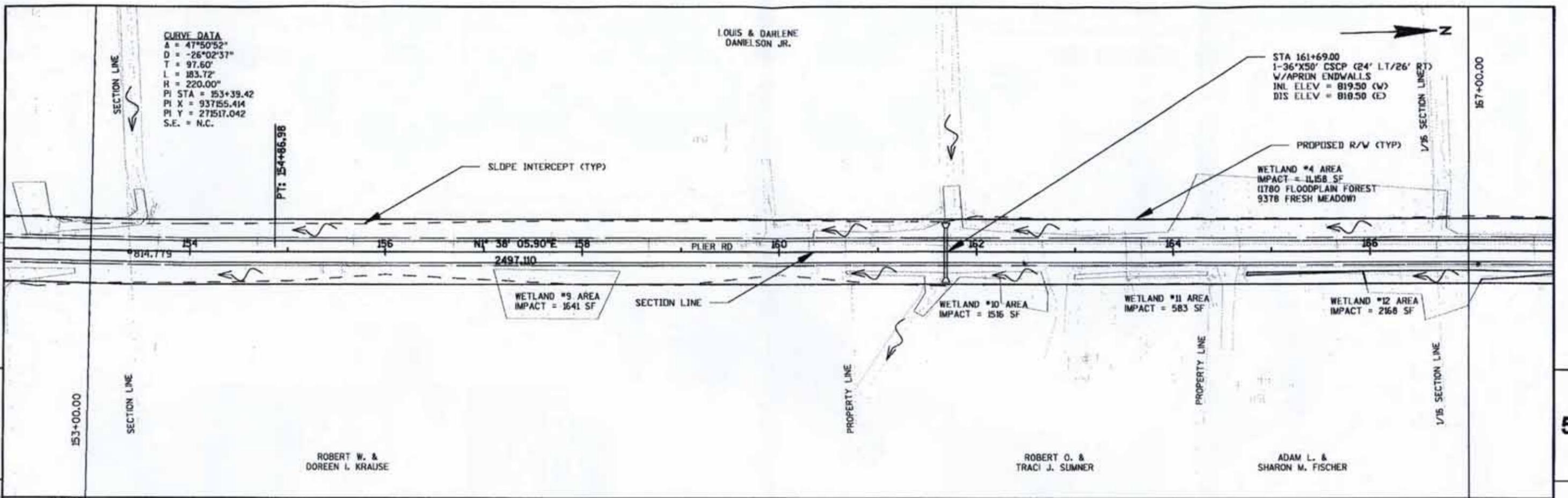
STA 125+32.13 - STA 179+84.09



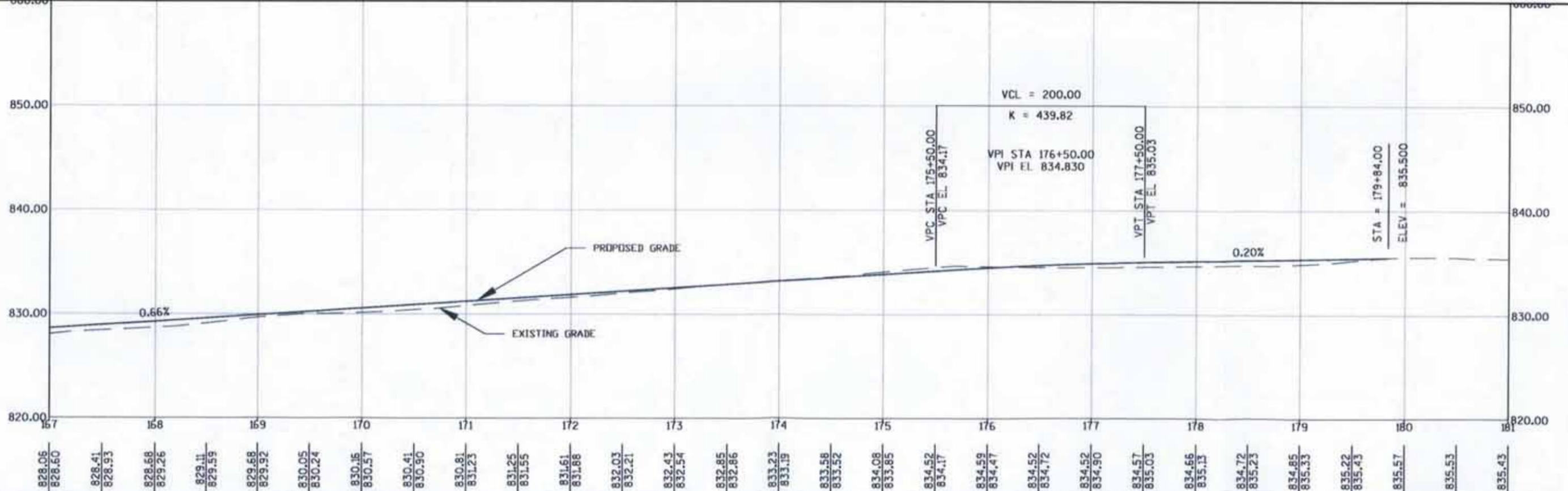
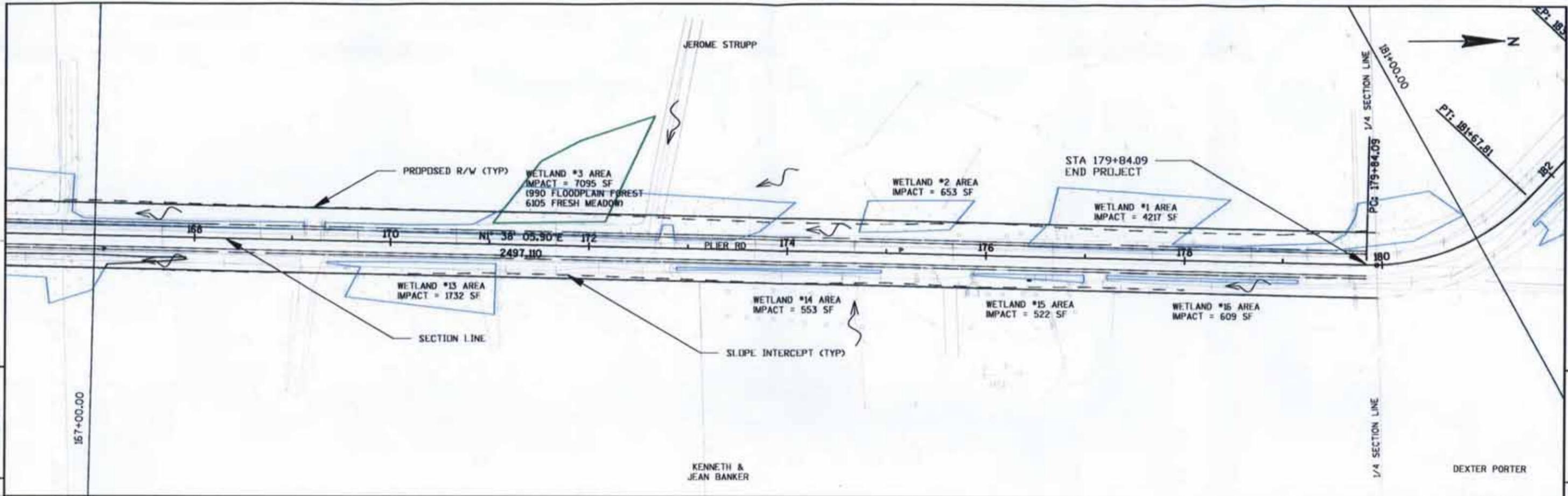


CURVE DATA
 A = 47°50'52"
 D = -26°02'37"
 T = 97.60'
 L = 183.72'
 H = 220.00'
 PI STA = 153+39.42
 PI X = 937155.414
 PI Y = 271517.042
 S.E. = N.C.

LOUIS & DARLENE DANIELSON JR.



PROJECT NO: STRUPP RD - CTH E HWY: PLIER ROAD COUNTY: SHAWANO PLAN AND PROFILE SHEET ----- E



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