

BENCHMARK:
 SET LAG SCREW IN WEST FACE OF
 UTILITY POLE ON EAST SIDE OF LEWIS
 ROAD AND SOUTH OF DRAIN CROSSING.
 ELEVATION: 649.16

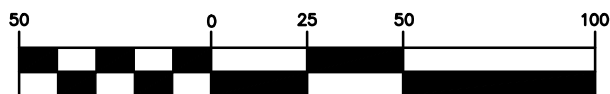
SECTION 7
 ARBELA TWP.
 T10N-R7E
 TUSCOLA COUNTY,
 MICHIGAN

SECTION 8
 ARBELA TWP.
 T10N-R7E
 TUSCOLA COUNTY,
 MICHIGAN

PROPOSED CROSS ROAD CULVERT
 POLYMER PRE-COATED (10 GAUGE)
 54' OF 60" C.S.P. WITH
 24" TALL HEAD WALL &
 WING WALL - EAST END
 END AREA: 16.84 SFT
 U.S. FLOW LINE 641.15 INV. 640.15
 D.S. FLOW LINE 640.96 INV. 639.96

EXISTING CROSS ROAD CULVERT
 42' OF 54" C.S.P. WITH
 CONC. BAG WALLS EACH END
 END AREA: 7.28 SFT
 U.S. FLOW LINE 642.07 INV. 639.53
 D.S. FLOW LINE 642.30 INV. 639.66

GRAPHIC SCALE



(IN FEET)
 1 inch = 50 ft.

FOR:

TUSCOLA
 COUNTY
 ROAD
 COMMISSION



Job No.: 2101-13

TITLE: Lewis Road over Elliot Branch of the
 Smith Drain

DRAWN
 BY: BEN

DATE:
 02-13-2021

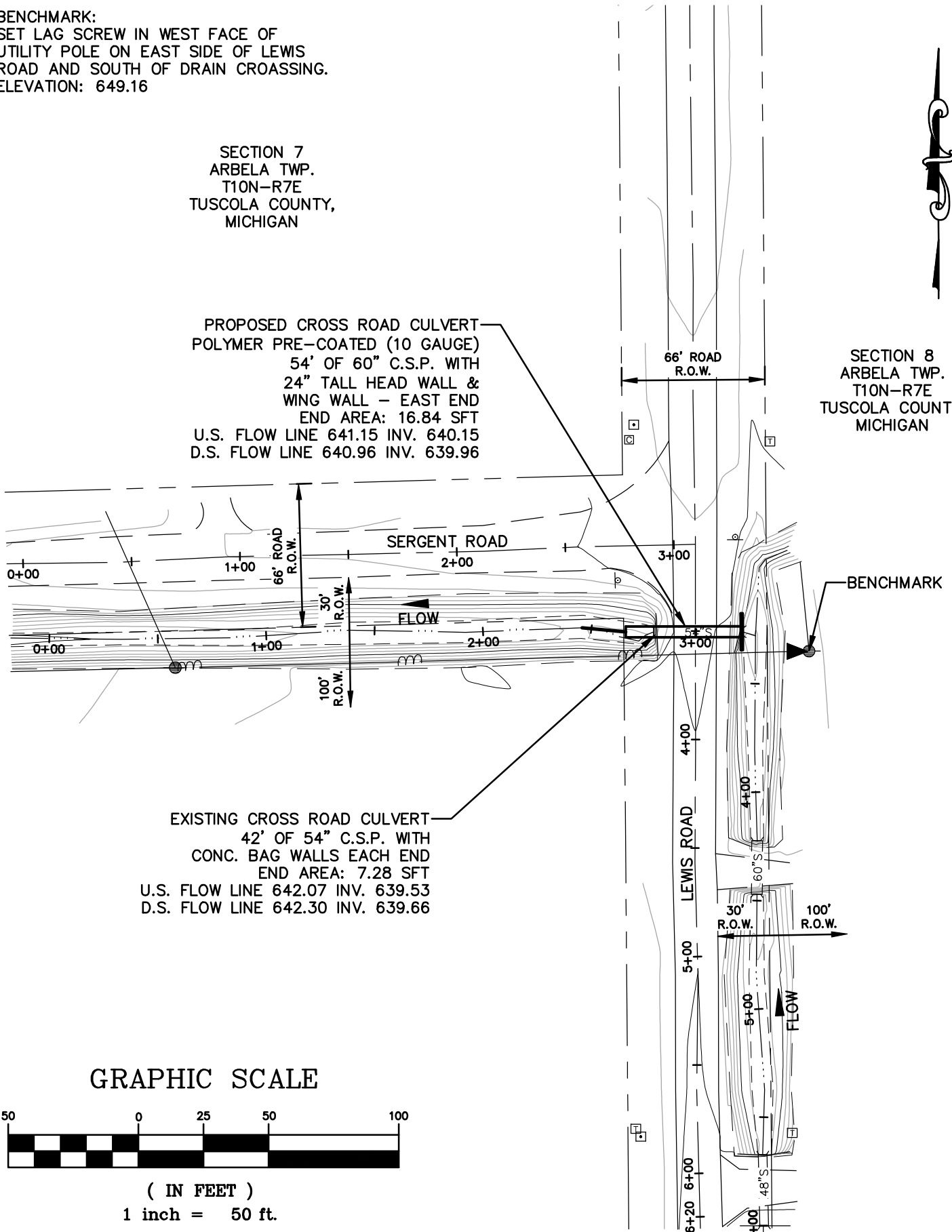
CHECKED
 BY: PRP

PAGE: 2
 OF: 7

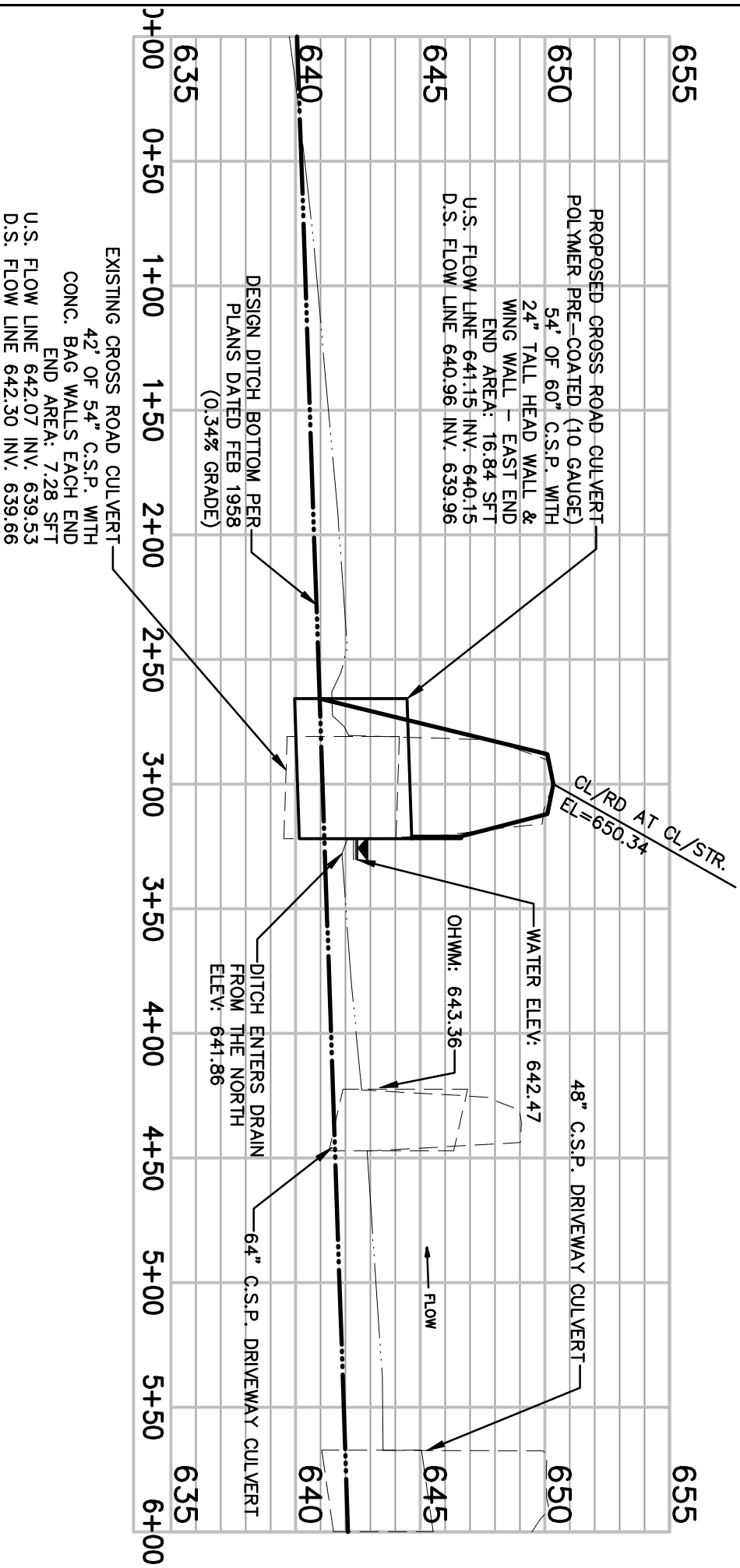
LOCATION: Lewis Road Cross Culvert Elliot Branch of the
 Smith Drain ±25' South of Sergent Rd, Arbel Township,
 T10N-R7E Section 7& 8, Tuscola County, Michigan

APPROVED:
 PRP

SCALE:
 1" = 60'

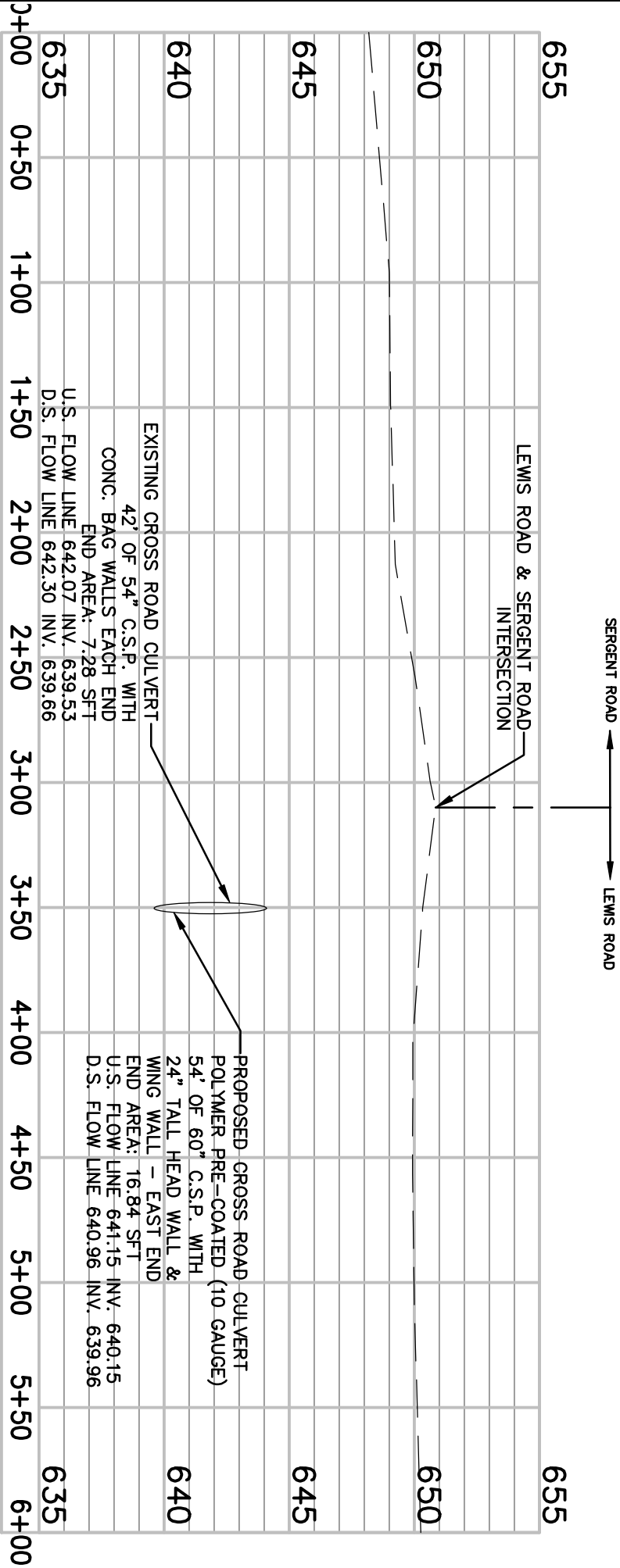


Lewis Road over Elliot Branch of the Smith Drain Stream Flow Line Profile



FOR: TUSCOLA COUNTY ROAD COMMISSION		BMJ ENGINEERS & SURVEYORS, INC.		TITLE: Lewis Road over Elliot Branch of the Smith Drain		LOCATION: Lewis Road Cross Culvert/Elliot Branch of the Smith Drain ±25' South of Sergeant Rd, Arbela Township, T10N-R7E Section 7& 8, Tuscola County, Michigan	
Job No.: 2101-13		DRAWN BY: BEN		DATE: 02-13-2021		APPROVED: PRP	
CHECKED BY: PRP		PAGE: 3		OF: 7		SCALE: 1" = 60'H 1" = 6'V	

Lewis Road & Sergent Road Centerline Profile



FOR: TUSCOLA COUNTY ROAD COMMISSION		BMJ BUREAU OF MUNICIPALITIES & JUDICIAL SERVICES, INC.		TITLE: Lewis Road over Elliot Branch of the Smith Drain		LOCATION: Lewis Road Cross Culvert/Elliot Branch of the Smith Drain ±25' South of Sergent Rd, Arbela Township, T10N-R7E Section 7& 8, Tuscola County, Michigan	
Job No.: 2101-13		DRAWN BY: BEN		DATE: 02-13-2021		APPROVED: PRP	
CHECKED BY: PRP		PAGE: 4		OF: 7		SCALE: 1" = 60'H 1" = 6'V	



LOOKING AT UPSTREAM
END OF CULVERT




LOOKING UPSTREAM FROM
UPSTREAM END OF CULVERT



LOOKING DOWNSTREAM FROM
UPSTREAM SURVEY LIMITS



LOOKING UPSTREAM FROM
UPSTREAM SURVEY LIMITS

FOR: TUSCOLA COUNTY ROAD COMMISSION	 BMJ <small>ENGINEERS & SURVEYORS, INC.</small>	TITLE: Lewis Road over Elliot Branch of the Smith Drain		LOCATION: Lewis Road Cross Culvert Elliot Branch of the Smith Drain ±25' South of Sergeant Rd, Arbel Township, T10N-R7E Section 7& 8, Tuscola County, Michigan	
		DRAWN BY: BEN	DATE: 02-13-2021	APPROVED: PRP	SCALE: N/A
	Job No.: 2101-13	CHECKED BY: PRP	PAGE: 5 OF: 7		



LOOKING AT DOWNSTREAM
END OF CULVERT



LOOKING DOWNSTREAM FROM
DOWNSTREAM END OF CULVERT



LOOKING UPSTREAM FROM
DOWNSTREAM SURVEY LIMITS



LOOKING DOWNSTREAM FROM
DOWNSTREAM SURVEY LIMITS

FOR:

TUSCOLA
COUNTY
ROAD
COMMISSION



Job No.: 2101-13

TITLE: Lewis Road over Elliot Branch of the
Smith Drain

DRAWN
BY: BEN

DATE:
02-13-2021

CHECKED
BY: PRP

PAGE: 6
OF: 7

LOCATION: Lewis Road Cross Culvert Elliot Branch of the
Smith Drain $\pm 25'$ South of Sergeant Rd, Arbel Township,
T10N-R7E Section 7& 8, Tuscola County, Michigan

APPROVED:
PRP

SCALE:
N/A



LOOKING NORTH ON LEWIS ROAD





LOOKING SOUTH ON LEWIS ROAD



LOOKING DOWNSTREAM FROM
LEWIS ROAD



LOOKING UPSTREAM FROM
LEWIS ROAD

<div>FOR:</div> <div>TUSCOLA COUNTY ROAD COMMISSION</div> <div></div>	<div></div> <div>Job No.: 2101-13</div>	TITLE: Lewis Road over Elliot Branch of the Smith Drain		LOCATION: Lewis Road Cross CulvertElliot Branch of the Smith Drain ±25' South of Sergeant Rd, Arbela Township, T10N-R7E Section 7& 8, Tuscola County, Michigan	
		DRAWN BY: BEN	DATE: 02-13-2021		
		CHECKED BY: PRP	PAGE: 7 OF: 7	APPROVED: PRP	SCALE: N/A

TUSCOLA COUNTY ROAD COMMISSION
TITLE IV COMPLIANCE
APPENDIX A

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. **Compliance with Regulations:** The contractor shall comply with the Regulations relative to non-discrimination in Federally-assisted programs of the Department of Transportation, Title 49, code of Federal Regulations, Part 21 as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
2. **Non-discrimination:** The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by section 21.5 of the Regulation, including employment practices when the contractor covers a program set forth in Appendix B of the Regulations.
3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to non-discrimination on the grounds of race, color, or national origin.
4. **Information and Reports:** The contractor shall provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the **Tuscola County Road Commission** to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of a contractor is in the exclusive possession of another who fails or refuses this information, the contractor shall so certify to the State highway department, or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.
5. **Sanctions for Non-compliance:** In the event of the contractor's non-compliance with the non-discrimination provisions of this contract, the **Tuscola County Road Commission** shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
 - a. Withholding of payments to the contractor under the contract until the contractor complies, and/or
 - b. Cancellation, termination, or suspension of the contract, in whole or in part.
6. **Incorporation of Provisions:** The contractor shall include the provisions of paragraphs(1) through (6) in every subcontract, including procurement of materials and leases of equipment, unless exempt by the Regulations, or directives issues pursuant thereto. The contractor shall take such action with respect to any subcontract or procurement as the **Tuscola County Road Commission** may direct as a means of enforcing such provisions including sanctions for non-compliance: Provided, however, that, in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the **Tuscola County Road Commission** to enter into such litigation to protect the interests of the County, and, in addition, the contractor may request the State highway department to enter into such litigation to protect the interests of the State and/or the United States to enter into such litigation to protect the interests of the United States.

"The **TUSCOLA COUNTY ROAD COMMISSION**, in accordance with Title VI of the Civil Rights Act of 1964, 78-252, 42 U.S.C. 2000d-222d-4, the Civil Rights Act of 1987, P.L. 100-259, and Title 49, Code of Federal Regulations, Department of Transportation, subtitle A, Office of the Secretary, Part 21, Non- discrimination in federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, Disadvantaged Business Enterprise firms will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of Race, Color, Sex, Age, National Origin, or Handicap in consideration for an award. For additional compliance information, please see Appendix A."

Your bid will not be accepted
unless the enclosed agreement is
signed and returned with your bid.

AGREEMENT

This agreement made this _____ day of _____, 20____

by and between the Board of Tuscola County Road Commissioners and _____
_____.

1. I _____ hereby agrees to undertake the following work in the status of an independent contractor performing the following job:

2. Said contractor, _____, shall at all times exercise extreme care and shall assume any and all liability for property damage or bodily injury resulting from the above operation by this employees, agents, assigns, sub-contractors and anyone else acting under his control or direction; and will indemnify, hold harmless and defend the Tuscola County Road Commission, its Commissioners or employees from any and all claims for property damage 01·bodily injury arising out of this Agreement.

3. Said contractor, _____, while engaged in said job shall maintain and furnish certificates of insurance, naming the Tuscola County Road Commission and Commissioners as an additional insured under the policy, with policy limits of \$500,000/\$1,000,000 for property damage and bodily injury, and shall furnish the Tuscola County Road Commission copies of said certificates of insurance prior to commencing any work on said project. Additionally, said contractor, _____, shall furnish prior to start of said job with the Board of Tuscola County Road Commissioners, a policy of insurance certifying he carries and has in effect worker's compensation insurance on all those required to be covered under Michigan law.

4. The address of the Board of Tuscola County Road Commissioners is 1733 S. Mertz Rd., Caro, MI 48723.

Witnessed:

Board of Tuscola County Road Commissioners

Contractor