Bid Response

Date Bids Due	Time of Bid Opening	Bid Opening Location
2/24/2016	1:00 PM	800 Lincoln Way, Ames, IA

Proposal Number	Description
15972	Tile Boring Projects

Contract to Begin	Date of Completion	Proposal Guaranty Amount	Liquidated Damages
		$0.00	$0.00

Purchasing Agent	E-Mail Address	Phone	Fax
Laura Linduski	laura.linduski@dot.iowa.gov	515-239-1429	515-239-1538

Company Name	Federal Tax ID

Street Address	City	State	Zip Code

Supplier Contact (type or print)	E-Mail Address	Phone	Fax

Supplier agrees to sell items/services at the same prices under the same terms and conditions to any other state agency, Regent or Political Subdivision upon request. Please check Yes or No.	Are you a Iowa Targeted Small Business?
☐ YES ☐ NO	☐ YES ☐ NO

GENERAL INFORMATION/PROPOSAL STATEMENT

The entire contents of this Proposal, Addendums to the Proposal, Specifications, Supplemental Terms and Conditions, Standard Terms and Conditions, and Schedule of Prices shall become part of the contract or purchase order. **Faxed or e-mail bids will be accepted.**

We certify that all materials, equipment and/or services proposed meet or exceed the specifications and will be supplied in accordance with the entire contents of this proposal including delivery schedules.

Standard Terms and Conditions for Quotations

Acceptance/Rejection: The State of Iowa reserves the right to accept or reject any or all bids and to waive irregularities or technicalities, provided such waiver does not substantially change the offer or provide a competitive advantage to any vendor, in the judgment of the Iowa DOT. The Iowa DOT also reserves the right to accept that bid which is deemed to be in the best interests of the state. Any unauthorized changes, additions, or conditional bids including any ties to another bid or proposal or any reservations about accepting an award or entering into a contract, may result in rejection of the bid.

Method of Award: Award shall be made to the lowest responsible, responsive bidder unless otherwise specified. By virtue of statutory authority preference will be given to products and provisions grown and coal produced within the State of Iowa.

Contracts: Successful contractor(s) may be sent either a formal Contract or a purchase order. The contractor may not assign the contract to another party without written authorization from the Office of Procurement and Distribution.

Pricing and Discount: Unit prices shown on the documents shall be quoted as the price per unit (e.g., gal., case, each, etc.) as stated on the request. If there is a discrepancy between the unit bid prices, extension, or total amount of bid, the unit prices shall prevail. Unless otherwise indicated, prices shall be firm for the duration of the contract or purchase. Discounts for early payment are allowed, but not considered in award of the contract.

Signed: _____ **Date:** _____

Schedule Of Prices

Number: 15972

Date Required: 02/24/2016 1:00 PM

Title: Tile Boring Projects

Vendor:

Delivery Location:

PA Name: Laura Linduski

Shipping Terms: FOB Destination/Freight Prepaid

Phone: 515-239-1429

E-Mail: laura.linduski@dot.iowa.gov

Description: The intent is to get these boring projects done as quickly as possible. Please provide an estimated completion date.

Product Availability Days: _____

Price Good Until: _____

Item	Qty	Unit	Description	Part #	Unit Price	Total Price
1	1	JOB	IA 44 .839 miles east of US 169, Dallas Center All equipment, materials and labor for boring under Ia. 44 approximately 80 feet to place an 18 inch coated steel pipe for field tile drainage north to south. The properties involved are located approximately 0.839 miles east from the intersection of US 169 and Ia. 44 at Dallas Center, Ia. Sections 33-80N-27W and 4-79N-27W in Dallas County. Elevations for the proposed 18 inch coated steel tile. The Right of way north to south is 140 feet, however we will be boring as short as possible so from the toe of foreslope to toe of foreslope is right at 80 feet. The remainder of the connections to the 15 inch field tile on private property can be trenched in and the T connections made according to standard road plan DR-302.			

Comments:

Item	Qty	Unit	Description	Part #	Unit Price	Total Price
2	1	JOB	US 169 about 1.67 miles south of Minburn All equipment, materials and labor for Tile bore under US 169 in Dallas County about 1.66 miles south of Minburn. Section 20 and 19-80N-27W., highway station 491+/-64 The carrier pipe is going to be the 10 inch coated steel pipe, placed from Right of Way to Right of Way, approximately 83 feet. This pipe will be placed fairly shallow as new field tile on the east property is being placed at a depth of 2 feet to get enough slope to drain to the west, connecting to an existing 6 inch field tile located at about 22 inches below the ground level. An existing 5 inch clay tile under the highway is broken or plugged and is to be replaced with this 10 inch pipe.			
Comments:						
3	1	JOB	US 169 about .335 miles north of Boone/Dallas County line All equipment, materials and labor for Tiling project to be done about 0.355 miles north of the Dallas/Boone County Line on US 169. Boone County, sections 32 and 31-82N-27W. A bore of 90 feet to place a 10 inch diameter, coated steel pipe to carry water from the east side of US 169 to the west. An 8 inch tile, done by others will be connected to the west side and trenched about 550 feet west to hook up with an existing stand pipe. The east side will also be connected by others, to the inspection pipe junction. Our 10 inch steel pipe project will include the inspection pipes placed at the Right of Way limits, DR-302.			
Comments:						

I HEREBY CERTIFY THAT THIS PROPOSAL MEETS OR EXCEEDS THE MINIMUM REQUIREMENT INCLUDING SPECIFICATIONS AND ADDENDUMS.

Signature: _____ Date: _____

Iowa Department of Transportation
Standard Terms and Conditions
For

Submission of Quotations or Bids

-INFORMAL-

Informal - means a limited solicitation type of procurement where a sufficient number of quotations or bids from qualified sources are obtained and the aggregate amount of the purchase is less than $50,000.

The entire contents of this bid solicitation shall become a part of a contract or purchase order. In case of a discrepancy between the contents of the solicitation documents, the following items listed by descending order shall prevail:

- Addendums to the bid proposal
- Bid Proposal-
  - Schedule of Prices
  - Specifications
  - Plans and Drawings
- Supplemental Terms and Conditions
- Standard Terms and Conditions

(Example - if there is a statement in the Specifications that contradicts a statement in the Standard Terms and Conditions, the statement in the Specifications shall apply)

Preparation of Bid Response: All bid responses must address all aspects of the proposal including clearly answering all questions within the proposal. Bid responses must be typed or completed in ink and submitted on the forms supplied by the Iowa DOT.

Bid responses must be signed and received prior to the bid opening date and time as indicated on the Bid Response cover page or bid opportunity. The signed, submitted quotation or bidder's proposal shall become the official bid response to be considered for award.

Bid responses may be sent by email, fax, weblink, or delivered by a courier that ensures timely delivery.

A. Solicitation

1. **Bid Opening:** Bid openings are made public and conducted at the Iowa DOT, Ames complex unless otherwise specified. Bid Responses received after the time of the bid opening will be returned to the bidder and considered non-compliant.
2. **Communications:** Questions concerning this proposal should be directed to the purchasing agent listed on the bid proposal. Inquiries can be written, phoned, or faxed. In all cases, written communication will take precedence over verbal communication.
3. **Pricing and Discount:** Unit prices shown on the bid/response shall be quoted as the price per unit (e.g., gal., case, each, etc.) as stated in the bid proposal. If there is a discrepancy between the unit bid prices, extension, or total amount of bid, the unit prices shall prevail. Unless otherwise indicated, prices shall be firm for the duration of the contract or purchase. Discounts for early payment are allowed, but not considered in award of the contract.
4. **Acceptance/Rejection:** The Iowa DOT reserves the right to accept or reject any or all bids and to waive irregularities or technicalities, provided such waiver does not substantially change the offer or provide a competitive advantage to any supplier(s). The Iowa DOT also reserves the right to accept that bid which is deemed to be in the best interests of the state. Any unauthorized changes, additions, or conditional bids including any ties to another bid or proposal or any reservations about accepting an award or entering into a contract, may result in rejection of the bid. Bids must remain available for award for thirty (30) days from date of bid opening.

5. **Bid Results & Disclosure:** A bid tabulation will be sent to all responsive bidders and may be posted on the Iowa DOT website at www.iowadot.gov/purchasing under the *Bid Award link* referencing the proposal number with an award recommendation indicated. At the conclusion of the selection process, the contents of all received bid responses will be placed in the public domain and be open to inspection by interested parties, according to state law. Trade secrets or proprietary information that are recognized as such and are protected by law may be withheld if clearly identified as such in the proposal.
6. **Quality:** All material shall be new and of first quality. Items which are used, demonstrators, refurbished, obsolete, seconds, or which have been discontinued are unacceptable without prior written approval by the Iowa DOT.
7. **Recycled Content:** The Iowa Code encourages purchase of products and materials with recycled content, including but not limited to paper products, oils, plastic products, compost materials, aggregate, solvents, and rubber products. Recycled items or alternatives must be noted in the bid response, if known.
8. **Shipping Terms:** Deliveries shall be F.O.B. Destination unless otherwise specified. All deliveries shall be accompanied by a packing slip indicating the Supplier, quantities shipped, and the purchase order number(s). All delivery charges shall be included in the bid price and paid by the Supplier. No collect C.O.D. deliveries shall be accepted. When entering into a contract, the Supplier shall notify the freight company that all freight and delivery charges are to be prepaid by the Supplier. Goods delivered to the Iowa DOT Distribution Center at 800 Lincoln Way, Ames, IA shall be received between the hours of 7:00 a.m. and 3:00 p.m. on any day except Saturday, Sunday, or a holiday. For deliveries to other Iowa DOT locations, the Supplier may contact the destination location for available times to deliver as not all Iowa DOT locations have the same business hours. The Iowa DOT will not be liable for any freight claims or unpaid freight bills arising from contract or purchase order issues.

B. Award

The binding agreement (award) may be issued in the form a purchase order or contract or both depending on the requirements and complexity of the agreement.

1. **Method of Award:** Award shall be made to the lowest responsible, responsive bidder whose bid meets the requirements of the solicitation unless otherwise specified. An Iowa bidder will be given preference over an out-of-state bidder when bid responses are equal in all aspects and are tied in price. By virtue of statutory authority preference will be given to products and provisions grown and coal produced within the State of Iowa.
2. **Award Protests:** Protests of award recommendations are to be addressed to the Director of Purchasing, and shall be made in accordance with paragraph 761--20.4(6)"e" of the Iowa Administrative Code.
3. **Contracts:** Successful contractor(s) may be sent a formal Contract, Notification of Award or Purchase Order as confirmation of acceptance and award. Any of these binding agreements shall be for the term stated in the bid solicitation or on a purchase order and may be renewed for additional period(s) under the same terms and conditions upon mutual agreement as defined. The successful bidder may not assign a contract to another party without written authorization from the Iowa DOT Purchasing Section. The Iowa DOT may offer a contract extension to the Contractor when a scheduled target date cannot be met.
4. **Consumer Price Index (CPI-U):** A CPI may be allowed as specified in the terms of the Bid Proposal and at the discretion of the Iowa DOT based on currently posted CPI-U, US City Average, All Items – non seasonally adjusted unless otherwise specified. This applies each of any subsequent renewals, extensions, amendments issued under the contract for the duration of the contract.

5. **Payment Terms:** The Iowa DOT typically pays properly submitted vendor invoices within thirty (30) days of receipt, providing goods and/or services have been successfully delivered, installed or inspected (if required), and accepted. Invoices presented for payment must be only for quantities received by the Iowa DOT and must reference the purchase order number or contract to be submitted for processing.
6. **Default (Supplier):** Failure of the Supplier to adhere to specified delivery schedules or to promptly replace rejected materials shall render the Supplier liable for all costs in excess of the bid price when alternate procurement is necessary. This shall not be the exclusive remedy and the Iowa DOT reserves the right to pursue other remedies available to it by law or under the terms of the binding agreement.
7. **Default (Contractor):** Failure of a Contractor other than a Supplier to meet any specified project completion deadline shall render the Contractor liable for all costs incurred by the Iowa DOT that were: a) necessary to meet said deadline; or b) necessary to complete said project after said deadline. This shall not be the exclusive remedy and the Iowa DOT reserves the right to pursue other remedies available to it by law or under the terms of the agreement.

C. General

1. **Administrative Rules:** For Additional details on the rules governing the actions of the Iowa DOT Purchasing Section, refer to 761 IAC, Chapter 20, Iowa Administrative Code, entitled "Procurement of Equipment, Materials, Supplies and Services".
2. **Affirmative Action:** The Contractor (and also subcontractor, vendor or supplier) is prohibited from engaging in discriminatory employment practices forbidden by federal and state law, executive orders and rules of the Iowa Department of Management, pertaining to equal employment opportunity and affirmative action. Contractor may be required to have a copy of their affirmative action program on file, containing goal and time specifications. Contractors doing business with Iowa in excess of $5,000 annually and employing 50 or more full time employees may be required to file with the Iowa Department of Management a copy of their affirmative action plan. Failure to fulfill these non-discrimination requirements may cause the contract to be canceled and the contractor declared ineligible for future state contracts or subject to other sanctions as provided by law or rule.
3. **Applicable Law:** The contract shall be governed under the laws of the State of Iowa. The contractor shall at all times comply with and observe all federal and state laws, local laws, ordinances, and regulations which are in effect during the period of a contract and which in any manner affect the work or its conduct. Any legal action relating to a contract shall only be commenced in the Story County, Iowa, District Court or the United States District Court for the Southern District of Iowa.
4. **Conflict of Interest:** No state or county official or employee, elective or appointive shall be directly or indirectly interested in any contract issued by the Iowa DOT, see Code of Iowa 314.2.
5. **Debarment and Vendor Suspension:** By submitting a proposal, the contractor is certifying that it and its principals and/or subcontractors are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by the State of Iowa or any Federal department or agency.
6. **Equal Opportunity:** Firms submitting bids must be an "Equal Opportunity Employer" as defined in the Civil Rights Act of 1964 and in Iowa Executive Order Number Thirty-four.
7. **Indemnification-Goods:** To the extent the goods are not manufactured in accordance with Iowa DOT's designs, Supplier shall defend, indemnify and hold harmless Iowa DOT, its assignees, and other users of the goods from and against any claim of infringement of any letters patent, trade names, trademarks, copyright or trade secrets by reason of sale or use of any articles purchased. Iowa DOT shall promptly notify Supplier of any such claim.
8. **Infringement:** Goods shall be delivered free of the rightful claim of any third party by way of infringement. Contractor shall indemnify and save harmless the State of Iowa and the Iowa DOT against all claims for infringement of, and/or royalties claimed under, patents or copyrights on materials and equipment furnished under this bid.
9. **Iowa Open Records Law**: All Bid Responses are subject to terms and provisions of Iowa Code Chapter 22 Examination of Public Records (Open Records), specifically 22.7- Confidential Records.

10. **Records Audit:** The contractor agrees that the Auditor of the State of Iowa or any authorized representative of the state, and where federal funds are involved, the Comptroller General of the U.S. Government, shall have access to and the right to examine, audit, excerpt, and transcribe any directly pertinent books, documents, papers, and records of the contractor relating to orders, invoices, or payments of a contract or purchase order.
11. **Targeted Small Businesses:** The Iowa DOT seeks to provide opportunities for women and/or minority small business enterprises. To apply for certification as an Iowa Targeted Small Business, contact the Iowa Department of Inspection and Appeals (515-281-5796). Contractors shall take documented steps to encourage participation from Targeted Small Businesses for the purpose of subcontracting and supplying of goods or services or both.
12. **Taxes:** Prices quoted shall not include state or federal taxes from which the state is exempt. Exemption certificates will be furnished upon request.
13. **Termination:**
    - **Termination Due to Lack of Funds or Change in Law**
      The Iowa DOT shall have the right to terminate this Contract without penalty by giving thirty (30) days written notice to the vendor as a result of any of the following:
      - Adequate funds are not appropriated or granted to allow the Iowa DOT to operate as required and to fulfill its obligations under contract.
      - Funds are de-appropriated or not allocated or if funds needed by the Iowa DOT, at the Iowa DOT's sole discretion, are insufficient for any reason.
      - The Iowa DOT's authorization to operate is withdrawn or there is a material alteration in the programs administered by the Iowa DOT.
      - The Iowa DOT's duties are substantially modified.

Following a 30 day written notice, the Iowa DOT may terminate a binding agreement in whole or in part without the payment of any penalty or incurring any further obligation to the Supplier. Following termination upon notice, the Supplier shall be entitled to compensation upon submission of invoices and proper proof of claim for goods and services under contract up to and including the date of termination.

Iowa Department of Transportation
General Requirements
Bid No.: 15972
Tile Borings
Letting Date: February 24, 2016 1:00 PM

Part 1 General Conditions

1.1 Adoption of General Conditions

A. The General Requirements of this Contract shall include the "General Conditions", "Instructions to Bidders" and the "Supplementary General Conditions" as herein stated.

B. All bidder information and conditions, bid check lists and similar documents included in the specification by the Office of Finance, Purchasing Section of the Iowa Department of Transportation, Ames, Iowa are hereby made a part of the General Conditions.

Part 2 Supplementary Instructions to Bidders

2.1 General

A. Owner:

The Owner of this project is the Iowa Department of Transportation, 800 Lincoln Way, Ames, Iowa 50010.

B. Contract Document Information:

Questions regarding the bidding documents should be directed to:

Purchasing Section
Purchasing Agent – Laura Linduski
Phone No.: 515-239-1429
Email: laura.linduski@dot.iowa.gov

Location of Project
US highway 169

C. SCOPE OF WORK

Vendor to provide all labor, equipment and materials for tile boring projects as per specifications.

Work to be completed by May 15, 2016 or as quickly as possible.

The successful bidder will work through Pete Wonders the project manager, to coordinate work. Phone (515) 834-2368 or email Pete.wonders@dot.iowa.gov. .

D. Contract Award:

- Award will be based on the total lump sum amount of bid price shown on the Schedule of Prices. Bid price will include all requirements listed in Specifications and Supplemental Terms to complete this proposed project. The Prime Contractor shall be responsible for taking all sub-bids and for all coordination between trades.

- A single "Prime" contract shall be awarded for all work shown. Contractor shall be responsible for taking all sub-bids and for all coordination between trades.

- Contractor shall return all contractual documents within four (4) calendar days from date indicated in contract cover letter. ***If this is not returned within this time frame, contract may be voided and awarded to the next low bidder.***

2.2 Bidders Representatives

A. Site Visit:
It is not required however if a contractor feels they do not have enough information through the Scope of Work, photos, and drawings, any potential Contractor may contact Pete Wonders at Phone (515) 834-2368 to schedule a site visit.

B. Conditions of Work:
Bidders must inform themselves fully of the conditions relating to the construction of the project and the employment of labor thereon. Failure to do so will not relieve successful bidders of their obligation to furnish all material and labor necessary to carry out the provisions of this contract. Insofar as possible, the Contractor, in carrying out the work, must employ such methods or means as will not cause any interruption of, or interference with the work of any other contractor.

C. Obligation of Bidder:

- At the time of the opening of bids, each bidder will be presumed to have inspected the site and to have read and to be thoroughly familiar with the drawings, specifications, and other contract documents, including all addenda.

- The failure or omission of any bidder to examine any form, instrument, or document shall in no way relieve any bidder from any obligation in respect to their bid.

D. Codes, Laws and Regulations:
The laws of the State of Iowa in relation to and pertaining to public improvements shall apply to this project. All construction, materials and methods shall comply with the State and Local Building Codes and with Local Ordinances, except where plans and specifications establish a higher standard.

E. Licenses, Permits and Inspections
The Vendor shall give all notices and comply with all codes, laws, ordinances, rules and regulations of any public authority having jurisdiction that bears on the performance of its work. The Vendor shall pay for all licenses, permits and inspection fees required for its work. The Vendor must furnish copies of all approved inspection certificates and approvals from authorities having jurisdiction in a timely fashion upon completion of the work.

2.3 Bidding Documents

A. Plans and Specifications:
In the event of a conflict between the specifications and the drawings, the specifications shall take precedence.

B. Contents of the Contract Documents:
In case of a discrepancy between contents of the contract documents, the following items listed by descending order shall prevail:

1. Addendum
2. Proposal Form
3. Special Provision
4. Plans
5. Supplemental Specifications
6. Standard Specifications

Should there be a discrepancy between figures and drawings on any of the contract documents, the figures shall govern unless they are obviously incorrect.

C. Interpretation of Contract Documents:

If any person contemplating submitting a bid for the proposed contract is in doubt as to the true meaning of any part of the Plans, Specifications or other proposed contract documents, the bidder will submit to the Iowa DOT a written request for an interpretation thereof. Requests for interpretation must be received on or before **1:00 P.M., February 17, 2016**

The person submitting a request will be responsible for its prompt delivery.

No interpretation of the meaning of the drawings, specifications, or other pre-bid documents will be made to any bidder orally. Interpretations will be made only by addendum duly issued.

A copy of such addendum will be mailed or delivered to each person receiving a copy of the contract documents and to such other prospective bidders having requested that they be furnished with a copy of each addendum.

D. Addenda:

Addenda, if issued, will be emailed to all known plan holders, and acknowledgement of receipt of addenda will be indicated on the bidder's proposal form.

All addenda so issued shall become part of the contract documents.

2.4 Bidding Procedures

A. Proposed Form:
Each Bid must be submitted on the Schedule of Prices form.

All bids received by the Iowa DOT, which require allocation of appropriated state funds, are subject to the acceptance of the issuing department of the State of Iowa.

B. Submitting Proposals:
Each proposal must be submitted in ink or typewritten and may be submitted on-line or may be e-mailed to: laura.linduski@dot.iowa.gov on or before **1:00 P.M., February 24, 2016.**

C. Withdrawal Period:
Prime bidders, subcontractors and material suppliers on this project agree to guarantee their proposal for a period of thirty (30) days after the date of receipt of bids. No bid may be withdrawn during this period.

D. Nonmaterial and Material Variances
The Iowa DOT reserves the right to waive or permit cure of nonmaterial variances in the Bidder's Bid Response if, in the judgment of the Iowa DOT, it is in the Iowa DOT best interest to do so. Nonmaterial variances include minor informalities that do not affect responsiveness; that are merely a matter of form or format; that do not change the relative standing or otherwise prejudice other Contractors; that do not change the meaning or scope of the RFB; or that do not reflect a material change in the services. In the event the Iowa DOT waives or permits cure of nonmaterial variances, such waiver or cure will not modify the RFB requirements or excuse the Contractor from full compliance with RFB specifications or other contract requirements if the Contractor is awarded the contract. The determination of materiality is in the sole discretion of the Iowa DOT.

2.5 Consideration of Bids

A. Rejection of Bids:

- The Iowa DOT reserves the right to reject any bid if the evidence submitted by, or investigation of, such bidder fails to satisfy the Iowa DOT that such bidder is properly qualified to carry out the obligations of the Contract and to complete the work contemplated therein.
- Conditional bids will not be accepted.
- The Iowa DOT reserves the right to negotiate the terms of the contract, including the award amount, with the awarded Contractor prior to entering into a contract. If contract negotiations cannot be concluded successfully, the Iowa DOT reserves the right to negotiate a contract with the next lowest Bidder.

B. Qualification of Bidder:

The Iowa DOT may make such investigations as they deem necessary to determine the ability of the bidder to perform the required work, and the bidder shall furnish to the Iowa DOT all such information and data for this purpose as the Iowa DOT may request.

2.6 Notice of Tax Exempt Status

A Sales Tax Exemption Certificate and authorization letter will be issued to the successfully awarded construction contractor for the purchase of building materials, supplies and equipment used in the performance of this construction contract.

The Department of Transportation is exempt from paying sales and use taxes. ***Do not include sales tax in your bid for this project.***

2.7 Labor Regulations

All contractors, before entering into a contract with the Department, must be registered with the Division of Labor in the Iowa Department of Workforce Development (515-281-3606) according to chapter 91C, Code of Iowa 2003.

Bonds

If the contracted estimated value is $25,000 or more, the successful Bidder shall furnish bonds covering the faithful performance of 100% of the Contract and the payment of all obligations arising thereunder. One copy of the bond shall be submitted on Iowa Department of Transportation Form 131070. All items must be properly filled in, including Bidder's signature. Resident commission agent or attorney-in-fact must file a copy of the power of attorney.

2.8 Targeted Small Business Program

The 1986 Iowa Legislature enacted legislation relating to procurement from Iowa Targeted Small Businesses. (Iowa Code, Chapter 73. And Iowa Administrative Code rules 820--[01,B] Chapter 2). It is hereby agreed that when entering into a contract with the State of Iowa, the vendor/contractor will take documented steps to encourage participation from TSB's for the purpose of subcontracting and supplying of materials.

A list of Targeted Small Business Contractors is available on the Internet at https://dia.iowa.gov/tsb and click on Search Targeted Small Businesses.

Part 3 Supplementary General Conditions

3.1 The Contractor

A. Guidelines:

- Contractors shall comply with Iowa Occupational Safety and Health Standards as found in 29 CFR Parts 1910 and 1926. Of particular importance are those standards referring to the use of personal protective equipment, fall protection and ventilation.
- Contractor may be required to make available to Iowa DOT at time the apparent low bidder has been determined all Material Safety Data Sheets (MSDS) for all products provided prior to approved contractor and award. These must be faxed to Purchasing 515-239-1538 with cover indicating project the MSDS sheets pertain to. This shall be faxed within two (2) days upon request.

B. Guarantee:

The Contractor shall guarantee all work executed under this contract, both as the workmanship and materials, for a period of twelve (12) months after the date of acceptance, except that special guarantee provision specified elsewhere in these Specifications shall take precedence. Neither the final payment nor any provision of the contract documents shall relieve the Contractor of responsibility for faulty materials or workmanship. The Contractor shall remedy any defect thereto and pay for any damage to other work resulting therefrom, which shall appear within a period of one (1) year from the date of the final acceptance. With one month remaining in the guarantee period, the Contractor shall notify the Iowa DOT and set up a complete building walk-through inspection.

- All materials, items of equipment, and workmanship furnished under this division of the specifications shall carry the standard warranty against all defects in material and workmanship. Any fault due to defective or improper material, equipment, or workmanship which may develop, shall be made good, forthwith.

- The Guarantee shall include, but not be limited to the following elements and services:
    a. Repair or replace defective materials, equipment, workmanship and installation that develops within the guarantee period, promptly and to Iowa DOT's satisfaction and correct damage caused in making necessary repairs and replacements, including all other damage done to areas, materials, and other systems resulting from the failure or defect, under guarantee by and at the expense of the Contractor.

    b. Replace material or equipment that requires excessive service during guarantee period, as defined and as directed by the Iowa DOT.

    c. Make all service calls, replacements, repairs and adjustments during the guarantee period without cost to the Iowa DOT.

C. Workmanship

Work shall be performed in best, most workmanlike manner by mechanics, skilled and employed continuously in their respective trade. Installation shall be made by the manufacturer or their authorized installer where specified. Unsatisfactory work shall be replaced at Contractor's expense.

D. Clean-Up:

- Throughout the period of construction, the Contractor shall clean up all work and yard areas and keep the area reasonably free of debris, etc., as required for proper protection of the work. Prior to final acceptance, the Contractor shall remove all debris, tools and equipment from the project site.

E. Immunity of Iowa Department of Transportation

The Contractor shall defend, indemnify and hold harmless the Iowa Department of Transportation, and its officials and employees from liability arising out of or resulting from the Contractor's activities at the rest area, its performance or attempted performance of the contract, as well as the Contractor's activities with Sub-Contractors and all other third parties.

F. Suspensions and Debarment.

The Vendor certifies pursuant to 48 CFR Part 9 that neither it nor its principles are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this Contract by any federal Agency or agency. The Vendor certifies that it is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in any contracts with the State of Iowa.

G. Termination Due to Lack of Funds or Change in Law

Notwithstanding anything in this Contract to the contrary, and subject to the limitations set forth below, the Iowa DOT shall have the right to terminate this Contract without penalty and without any advance notice as a result of any of the following:

Adequate funds are not appropriated or granted to allow the Iowa DOT to operate as required and to fulfill its obligations under this Contract.

Funds are de-appropriated, reduced, not allocated, or receipt of funds is delayed, or if any funds or revenues needed by the Iowa DOT to make any payment hereunder are insufficient or unavailable for any other reason as determined by the Iowa DOT in its sole discretion; or

The Iowa DOT's authorization to conduct its business or engage in activities or operations related to the subject matter of this Contract is withdrawn or materially altered or modified; or

The Iowa DOT's duties programs or responsibilities are modified or materially altered; or

If there is a decision of any court, administrative law judge or an arbitration panel or any law, rule, regulation or order is enacted, promulgated or issued that materially or adversely affects the Agency's ability to fulfill any of its obligations under this Contract.

The Agency shall provide Vendor with written notice of termination pursuant to this section.

H. Preference

By virtue of statutory authority, a preference will be given to products and provisions grown and coal produced within the state of Iowa. Preference application: Tied responses to solicitations, regardless of the type of solicitation, are decided in favor of Iowa products and Iowa-based businesses per 11 IAC 105.5(1)-(2), 105.12(4).

3.2 Administration of the Contract

A. Inspection and Supervision:

- All work shall be according to the approved design and shall be under the direct supervision of the Iowa DOT.
- Periodic site inspections will be carried on by the Iowa DOT with the contractor to ensure coordination of the project.
- The owner will provide a list of items requiring inspection prior to or during installation. The Contractor is to give the Owner notice no less than 24 hours in advance of installation.
- The Iowa DOT contact shall be Pete Wonders and may be reached at 515-834-2368.

3.3 Sub Contractors

- The apparent successful contractor for the project shall, within seven (7) calendar days after opening of the bids, furnish the Iowa DOT with a complete list of subcontractors and major material suppliers.

3.4 Protection of Persons and Property

A. Safety and Health Regulations:

The Contractor, serving in the role of the employer for the project, shall exercise at all times the protection of all persons and property. Contractor shall comply with all requirements of the Occupational Safety and Health Act of 1970, Iowa Bureau of Labor and all applicable state and municipal laws, as well as building and construction codes. It is the Contractor's responsibility to enforce all regulations that apply to this project.

B. Protection of Site:

The Contractor shall furnish all permanent and temporary guards, signs, fencing, shoring, and underpinning and other protection necessary in the performance of the contract and for the necessary protection of all public and private property and shall be responsible for any damage caused by failure to comply with this requirement.

- After building operations are completed, the Contractor shall replace or satisfactorily repair all damaged walks or pavements which shall have become damaged due to operations of this project.

- The Contractor shall take care of all underground pipes, conduits, etc., encountered in the excavations, and protect same from damage until such time as they can be permanently disposed of.

- The Contractor shall continuously maintain adequate protection of all work from damage and shall protect the Owner's property and adjacent property from damage arising in connection with this contract.

3.5 Insurance Requirements

Contractor's Insurance

- It shall be the Contractor's responsibility to have liability insurance covering all of the project operations incident to contract completion and the Contractor(s) must have on file with the Contracting Authority a current "Certificate of Insurance" prior to award of contract. The certificate shall identify the insurance company firm name and address, contractor firm name, policy period, type of policy, limits of coverage, and scope of work covered (single contract or statewide). This requirement shall apply with equal force, whether the work is performed by persons employed directly by the Contractor(s) including a subcontractor, persons employed by a subcontractor(s), or by an independent contractor(s).

- In addition to the above, the Contracting Authority shall be included as an insured party, or a separate owner's protective policy shall be filed showing the Contracting Authority as an insured party.

- The liability insurance shall be written by an insurance company (or companies) qualified to do business in Iowa. For independent contractors engaged solely in the transportation of materials, the minimum coverage provided by such insurance shall be not less than that required by Chapter 325A, Code of Iowa, for such truck operators or contract carriers as defined therein. For all other contractors, subcontractors, independent contractors, and the Contracting Authority, the minimum coverage by such insurance shall be as follows:

    - *Comprehensive General Liability* including Contractual Liability;
    - Contingent Liability; Explosion, Collapse and Underground Drainage
    - Damage; Occurrence Basis Bodily Injury: Broad Form Personal Injury; Broad Form Property Damage.

Bodily Injury

The contractor will purchase and maintain throughout the term of this contract the follow minimum limits and coverage:

- Each person $750,000
- Each accident/occurrence $750,000
- Workers Compensation $750,000
- Statutory Limits $750,000
- Employer's liability $750,000
- Pollution Liability $750,000
- Occupation Disease $750,000

Operations

- Property Damage $250,000 each occurrence

Builders Risk Insurance:

- Each Contractor holding a valid contract with the Owner shall furnish and pay for builder's risk insurance, providing coverage for at least the following losses: fire, extended coverage, vandalism and malicious damage to materials incorporated in the project, and materials purchased to be incorporated in the project, either stored on or off the permanent job site. If this insurance coverage is not provided,

the Contractor shall assume all responsibility for the perils outlined above which may occur prior to project completion and acceptance.

- Failure on the part of the Contractor(s) to comply with the requirements of this Article will be considered sufficient cause to suspend the work, withhold estimates, and to deny the Contractor(s) any further contract awards, as provided in Article 1103.01.

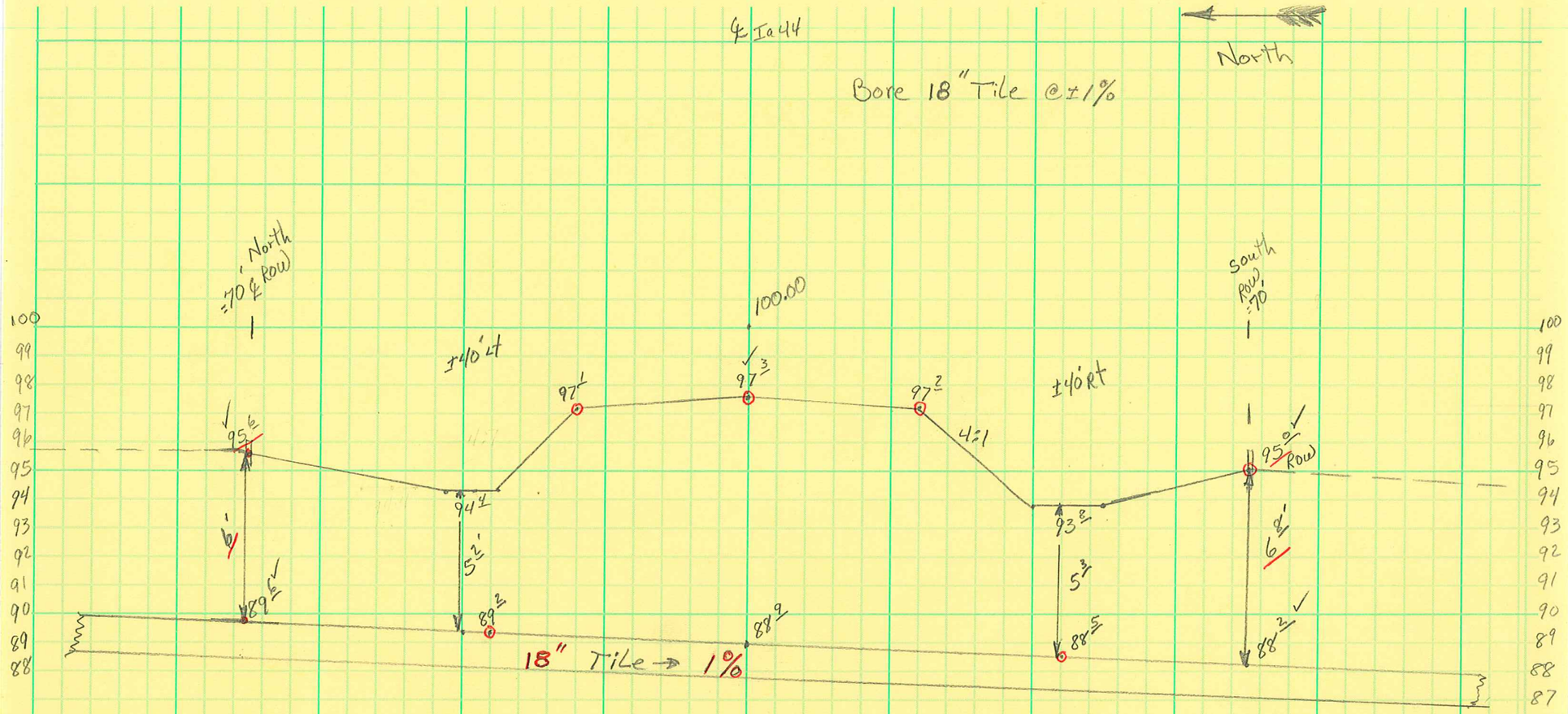
- The Contractor(s) shall require all subcontractor(s) meet the above insurance requirements.

The Certificate of Insurance must include the following;

- **Iowa Department of Transportation must be listed as an additional insured**

3.6 Public Contract Termination:

The provisions of Iowa Law as contained in Chapter 573A of the Code of Iowa, an Act to provide for termination of contracts for the construction of public improvements when construction or work thereon is stopped because of national emergency, shall apply to and be a part of this Contract, and shall be binding upon all parties hereto, including sub-contractors and sureties upon any bond given or filed in connection herewith.


℄ Ia 44
North
Bore 18" Tile @ ±1%
North ROW ±70' ℄
±40' Lt
100.00
South ROW ±70
±40' Rt
4:1
95.6
97.1
97.3
97.2
95.0
ROW
94.4
93.8
89.6
89.2
88.9
88.5
88.2
5.2'
5.3'
6'
8'
18" Tile → 1%
100
99
98
97
96
95
94
93
92
91
90
89
88
87

Form 640002
Rev. 6-99

Iowa Department of Transportation
Maintenance Division

ACCESS EXHIBIT

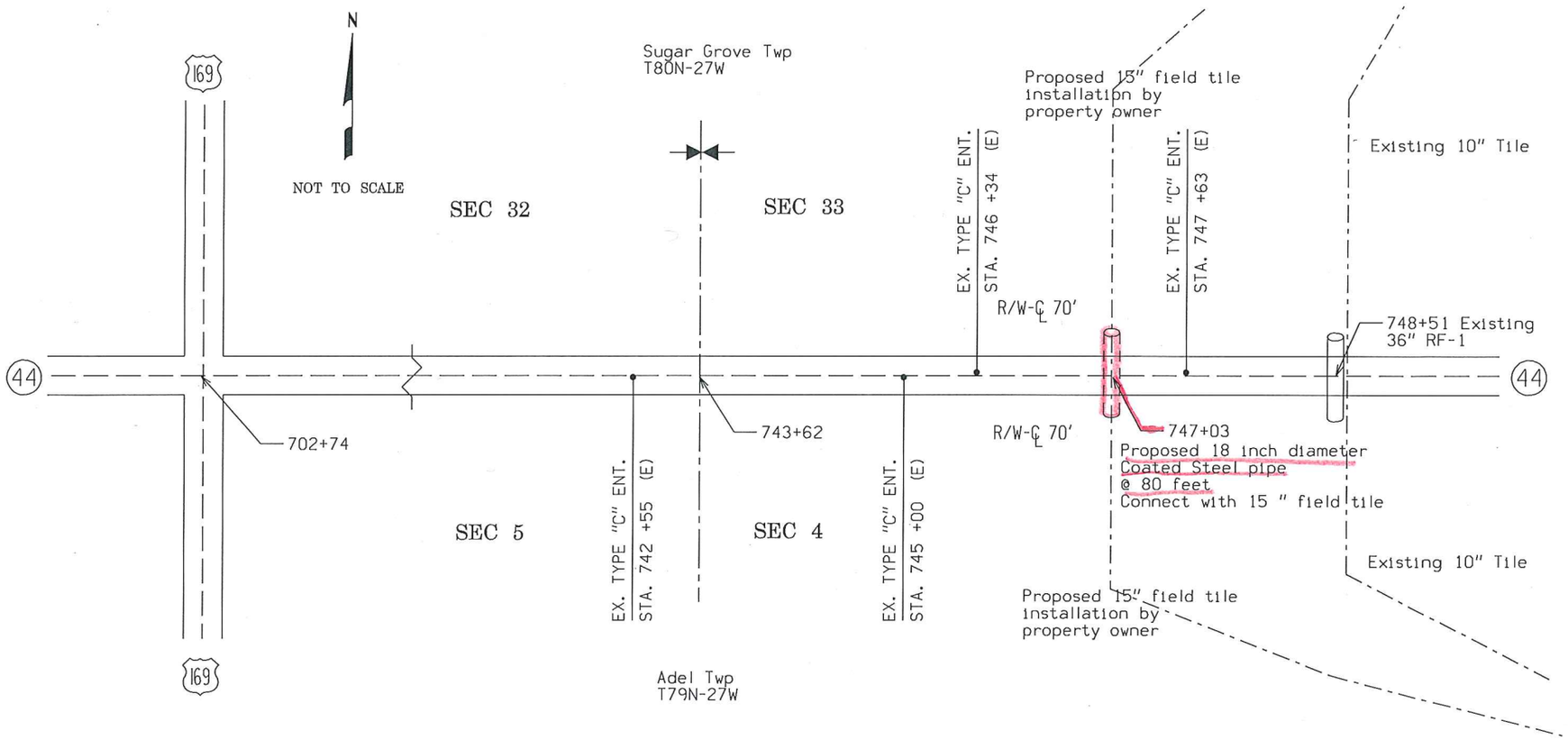
No. _____
County Dallas
Proj.No. F-44-5(5)--20-25

☐ SPECIAL ACCESS CONNECTION
Access Rights Acquired
Attach to Form 810052

☐ REVISION OF ACCESS
Access Rights Acquired
Attach to Form 810052

☐ ENTRANCE PERMIT APPLICATION
Access Rights Not Acquired
Attach to Form 640004

Location Description: Primary Road No. Ia. 44, Sec. 33 4, T. 80N, R. 27W, Dallas County,
Being 0.839 Miles East (Direction) From the intersection of Ia. 44 & US 169, More specifically described as:
Approximately 341 feet east from the section corner of 4, 5-79-27W and 32, 33-80-27W
In Eastern Dallas Center, Dallas County Ia.

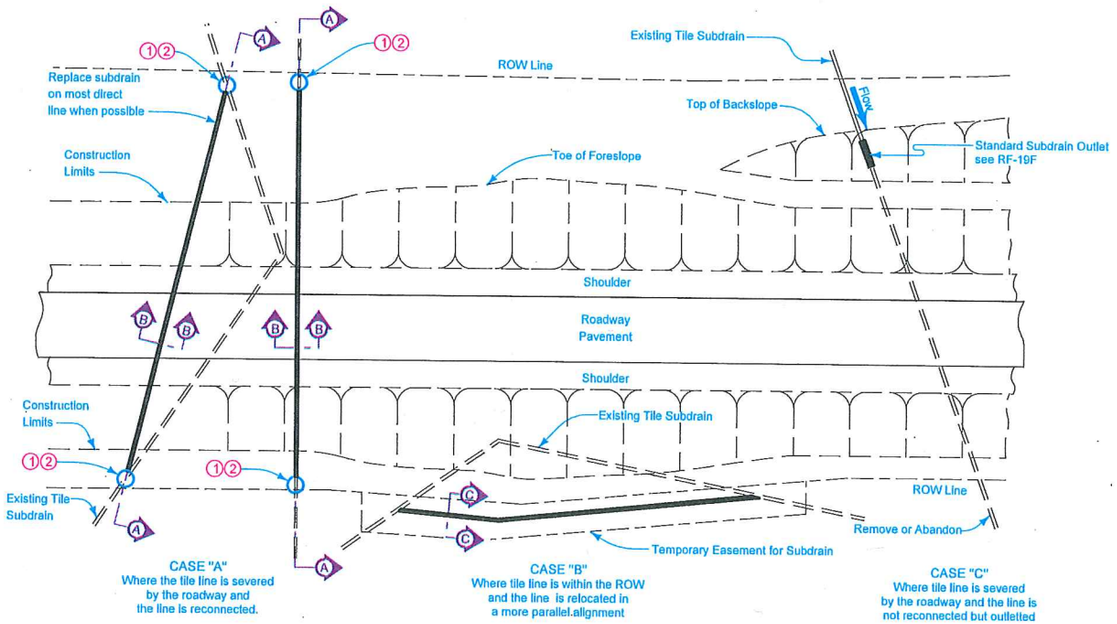


Applicant Iowa Department of Transportation c/o Bobby Dahl
Address 701 East Taylor Street
Creston, Ia. 50801

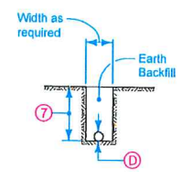
Telephone Number 641-782-4310
Date May 15, 2015

Disclosure Statement: The information furnished on this form will be used by the Department of Transportation to determine approval or denial of the application. Failure to provide all information will result in denial of the application. Information furnished is public information and copies may be provided to the public upon request.

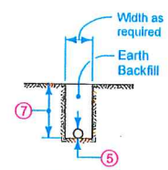
25u-2015-009



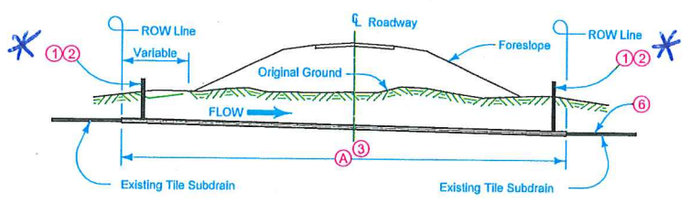
TYPICAL PLAN FOR REPLACING OR RELOCATING EXISTING FIELD TILE



CASE "A"
SECTION B-B



CASE "B"
SECTION C-C



CASE "A"
SECTION A-A

1. 4 inch diameter inspection access with cap. Minimum of 3 feet above ground. Use PVC meeting the requirements of Article 4146.03 of the Standard Specifications.
2. Inspection access is required to allow inspection by the upstream and downstream property owners. Perforated pipe may be used to allow ditch drainage into subdrain if approved by adjacent property owners.
3. Dimension (A) indicates the R.O.W. limits in which replacement of tile subdrain according to the replacement schedule is required.
4. Replacement sizes provide equivalent capacity based on a 6 inch settlement assuming a 0.20% slope with n=0.013 for concrete pipe and n=0.025 for corrugated pipe (Manning's Formula)
5. Replace in kind (size and type) or with 'PE' slotted pipe, a minimum of one size larger than existing line.
6. When multiple drains are connected to one outlet, the outlet is to provide full capacity for all connected drain systems.
7. Depth as required.

When the existing tile lines are intercepted by roadway construction, replace them within the ROW limits of the project, or outlet them in a ditch or channel. Where the roadway intersects the tile line in an undesirable alignment, as shown in Case 'A', relocate the tile line to accomplish a more nearly right angle. Where the existing tile line alignment is more parallel to the roadway and within the construction limits, relocate the tile outside the ROW line, as shown in Case 'B'. In cases where new construction requires existing subdrain to outlet into the roadway ditch, as shown in Case 'C', provide the Standard Subdrain Outlet shown in DR-305.

Replace tile lines within the ROW limits according to the replacement schedule shown below. Install an inspection access at each end of replaced tile line. Replace tile lines outside the ROW limits using the same size of pipe as existing line.

REPLACEMENT SCHEDULE CASE 'A'
(Pipe size in inches)

Existing Tile Size	PROPOSED SUBDRAIN SIZE (D) (4)	
	Concrete Pipe	Coated CMP Pipe
4	-	10
6	-	12
8	12	15
10	15	18
12	15	21
15	18	24
18	21	30
21	24	36
24	30	36
> 24	Existing tile size + 6"	(6)

Install relocated or replacement subdrain so as to cause a minimum of disturbance to existing field tile. Connect to lines of existing tile drains in such a way as to leave the existing tile drains in a functional condition.

Cap blind ends of subdrains with a metal cap or as approved by the Engineer.

When concrete culvert pipe of 2000D (Class III) or stronger is required, furnish and install a DR-121 Type 1 connection at no additional cost to the Contracting Authority.

Possible Contract Items:
Standard Subdrain
Subdrain Outlet

Possible Tabulation:
104-5C

IOWA DOT

STANDARD ROAD PLAN

REVISION
New 04-21-15

DR-302

SHEET 1 of 1

REVISIONS: New. Replaces RF-19B.

Brian Smith
APPROVED BY DESIGN METHODS ENGINEER

SUBDRAINS
STANDARD
(FARM TILE REPLACEMENT)

25u-2015-009

Property Owners
C-Edward C. Mortimer
E-Rhinehart Farms Inc.
G-Ray R. & Beulah Reed Et. AL.
BA-Lonnie C. & Margaret A. Robarson
F-John R. Mortimer

SUGAR GROVE TWP
T80N R27W

SEC.32 SEC.33 SEC.5 SEC.4

ADEL TWP
T79N R27W

Proposed 18" Coated steel pipe 747±03

LEGEND
N.W. Bell Tel. Co.
Ia. Po. & Light Co.
T-N.W. Bell Tel. Co.

0 50 100
SCALE

(E)
NAME Rhinehart Farms Inc.
CONTRACT DATE March 5, 1980
ACRES R.O.W. 9.1 CONSIDERATION $26,934.00
ACQUIRED BY Permanent Easement
RECORDED 6-6-80 BOOK 577 PAGE 744-48

Δ = 0°33' Lt.
D = 0°03'15"
T = 500.0'
L = 1000.0'
E = 1.20'
R = 104,174.14'

Equation: (Survey) P.O.T. Sta. 770+02.70 (Back) = (Survey) P.O.T. Sta. 770+02.03 (Ahead)

Water Hydrant & Brick Meter Pit
Prop. 18" Ent. Pipe
Subdrain No. 4
Subdrain No. 3
Subdrain No. 5
Water Shut-Off Valve
Water Line Depth Unknown
Sta. 748+51
D.A. = 23 Ac. G.P.
36" RF-1
Lt. 1020.0
F.L. Rt. 1020.0
(Survey) P.I. Sta. 756+78.40
(Off. Rel. loc.) P.I. Sta. 756+78.84
P.I. Sta. 770+02.93
Δ = 0°01' Lt.
& N. 1/4 Cor. Sec.
Closed
D.A. = 1060 Ac. R.F. & T.
Sta. 765+06
12' X 6' X 124' R.C.B.
Skewed 45° Lt. Ahead
F.L. Lt. 1010.5
Rt. 1009.0
Design No. 380

NAME John R. & Kay J. Mortimer
CONTRACT DATE January 16, 1980
ACRES R.O.W. 1.4 CONSIDERATION $4,060.00
ACQUIRED BY Permanent Easement
RECORDED 6-6-80 BOOK 577 PAGE 749-51

C = 4075
Uns. C = 1274
5340

F + 40% = 3284
F + 30% = 396
Uns. F = 0
To Sta. 722 t = 305
Uns. to Sta. 722 t = 1274
5340

(C) C = 8404
NAME John R. & Kay J. Mortimer
CONTRACT DATE March 5, 1980
ACRES R.O.W. 1.0 CONSIDERATION $3,915.00
ACQUIRED BY Permanent Easement
RECORDED 6-6-80 BOOK 577 PAGE 733-35

F + 30% = 1570
To Sta. 721 t = 4556
To Sta. 710 t = 2350
8404

Prop. Type "C" Ent.
Prop. Type "C" Ent. (Dry)
Prop. Type "C" Ent. (Dry)
Prop. Type "C" Ent.
Prop. Type "C" Ent.
Prop. Type "C" Ent.
Prop. Jt. Type "C" Ent.

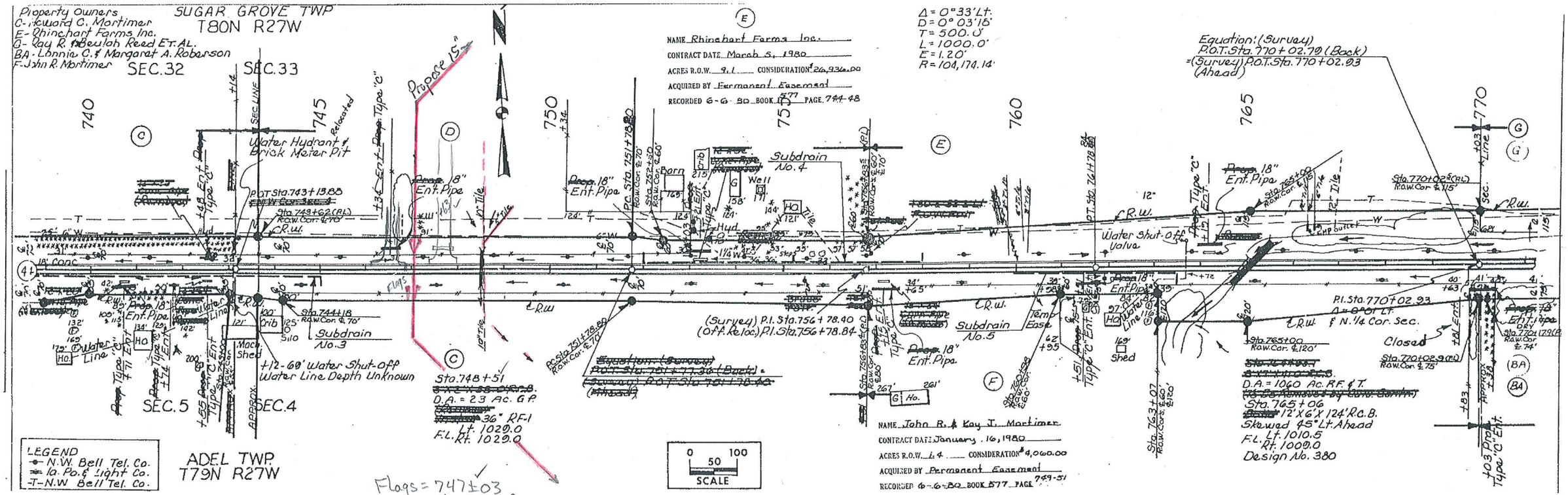
4:1 Lt. Foreslope
4:1 Rt. Foreslope
FL Lt. 1030.5
Rt. 1028.3
+00 - Lt. 1011.0
+0.5% Lt. Ditch Grade
+60 - Lt. 1013.3
Lt. 1011.0
Rt. 1010.2

Lt. Rt.
3' Ditch | Trans | 4' Ditch | Vari | 4'X8' Ditch | 5' Ditch | Trans. | 4'X8' Ditch | Trans. | Vari. Silt Fence | 3'X5' Ditch | Trans. | Silt Fence | Vari. | 4'X8' Ditch | Vari. | Lt. Rt.

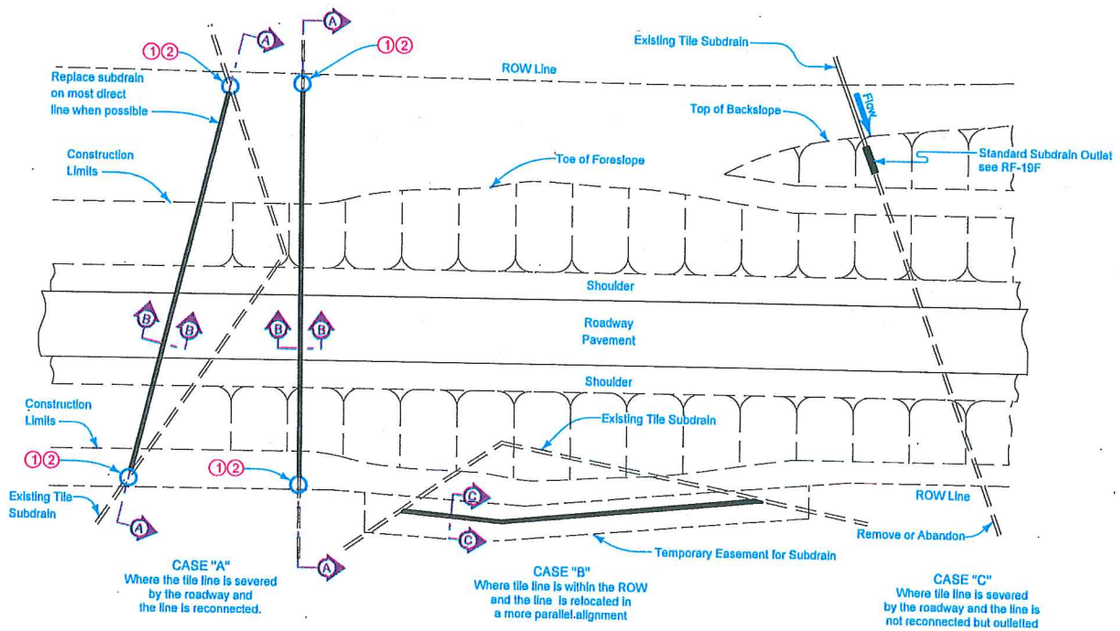
740 745 750 755 760 765 770

Dallas Co.

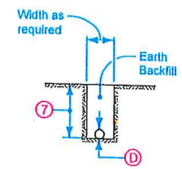
PROJECT NUMBER	STATE	FED. ROAD DIST. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
F-44-5(5)--20-25	IOWA	5		6	386


Property Owners
C-Edward C. Mortimer
E-Rhinehart Farms, Inc.
G-Ray R. & Beulah Reed Et. Al.
BA-Lonnie C. & Margaret A. Roberson
F-John R. Mortimer
SUGAR GROVE TWP
T80N R27W
SEC.32
SEC.33
SEC.5
SEC.4
ADEL TWP.
T79N R27W
LEGEND
N.W. Bell Tel. Co.
Ia. Po. & Light Co.
T-N.W. Bell Tel. Co.
SCALE
0 50 100
NAME Rhinehart Farms Inc.
CONTRACT DATE March 5, 1980
ACRES R.O.W. 9.1 CONSIDERATION $26,936.00
ACQUIRED BY Permanent Easement
RECORDED 6-6-80 BOOK 577 PAGE 744-48
NAME John R. & Kay J. Mortimer
CONTRACT DATE January 16, 1980
ACRES R.O.W. 1.4 CONSIDERATION $4,000.00
ACQUIRED BY Permanent Easement
RECORDED 6-6-80 BOOK 577 PAGE 749-51
Δ = 0°33' Lt.
D = 0° 03' 16"
T = 500.0'
L = 1000.0'
E = 1.20'
R = 104,174.14'
Equation: (Survey) P.O.T. Sta. 770+02.70 (Back) = (Survey) P.O.T. Sta. 770+02.93 (Ahead)
Water Hydrant & Brick Meter Pit
Water Shut-Off Valve
Subdrain No. 3
Subdrain No. 4
Subdrain No. 5
Water Line Depth Unknown
Sta. 748+51
D.A. = 2.3 Ac. G.P.
36" RF-1
Lt. 1020.0
Rt. 1020.0
(Survey) P.I. Sta. 756+78.40
(Off. Rec. loc.) P.I. Sta. 756+78.84
P.I. Sta. 770+02.93
Δ = 0°01' Lt.
℄ N. 1/4 Cor. Sec.
Closed
D.A. = 1.060 Ac. R.F. & T.
Sta. 765+06
12' X 6' X 124' R.C.B.
Skewed 45° Lt. Ahead
F.L. Lt. 1010.5
Rt. 1009.0
Design No. 380
Flags = 747±03
(4,429' East of 169 ℄)
mp 92.807
±341' East of the Section Corner
32 | 33 80N-27W
5 | 4 79N-27W
DALLAS County

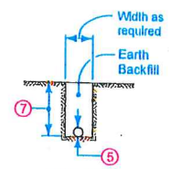
25u-2015-019



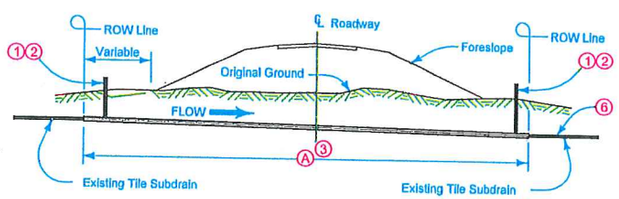
TYPICAL PLAN FOR REPLACING OR RELOCATING EXISTING FIELD TILE



CASE "A"
SECTION B-B



CASE "B"
SECTION C-C



CASE "A"
SECTION A-A

1. 4 inch diameter inspection access with cap. Minimum of 3 feet above ground. Use PVC meeting the requirements of Article 4146.03 of the Standard Specifications.
2. Inspection access is required to allow inspection by the upstream and downstream property owners. Perforated pipe may be used to allow ditch drainage into subdrain if approved by adjacent property owners.
3. Dimension (A) indicates the R.O.W. limits in which replacement of tile subdrain according to the replacement schedule is required.
4. Replacement sizes provide equivalent capacity based on a 6 inch settlement assuming a 0.20% slope with n=0.013 for concrete pipe and n=0.025 for corrugated pipe (Manning's Formula)
5. Replace in kind (size and type) or with 'PE' slotted pipe, a minimum of one size larger than existing line.
6. When multiple drains are connected to one outlet, the outlet is to provide full capacity for all connected drain systems.
7. Depth as required.

When the existing tile lines are intercepted by roadway construction, replace them within the ROW limits of the project, or outlet them in a ditch or channel. Where the roadway intersects the tile line in an undesirable alignment, as shown in Case 'A', relocate the tile line to accomplish a more nearly right angle. Where the existing tile line alignment is more parallel to the roadway and within the construction limits, relocate the tile outside the ROW line, as shown in Case 'B'. In cases where new construction requires existing subdrain to outlet into the roadway ditch, as shown in Case 'C', provide the Standard Subdrain Outlet shown in DR-305.

Replace tile lines within the ROW limits according to the replacement schedule shown below. Install an inspection access at each end of replaced tile line. Replace tile lines outside the ROW limits using the same size of pipe as existing line.

REPLACEMENT SCHEDULE CASE 'A'
(Pipe size in inches)

Existing Tile Size	PROPOSED SUBDRAIN SIZE (D) (4)	
	Concrete Pipe	Coated CMP Pipe
4	-	10
6	-	12
8	12	15
10	15	18
12	15	21
15	18	24
18	21	30
21	24	36
24	30	36
> 24	Existing tile size + 6"	(R)

Install relocated or replacement subdrain so as to cause a minimum of disturbance to existing field tile. Connect to lines of existing tile drains in such a way as to leave the existing tile drains in a functional condition.

Cap blind ends of subdrains with a metal cap or as approved by the Engineer.

When concrete culvert pipe of 2000D (Class III) or stronger is required, furnish and install a DR-121 Type 1 connection at no additional cost to the Contracting Authority.

Possible Contract Items:
Standard Subdrain
Subdrain Outlet

Possible Tabulation:
104-5C

IOWADOT

STANDARD ROAD PLAN

REVISION
New 04-21-15

DR-302

SHEET 1 of 1

REVISIONS: New. Replaces RF-19B.

Brian Smith
APPROVED BY DESIGN METHODS ENGINEER

SUBDRAINS
STANDARD
(FARM TILE REPLACEMENT)

Form 640002
Rev. 6-99

Iowa Department of Transportation
Maintenance Division

ACCESS EXHIBIT

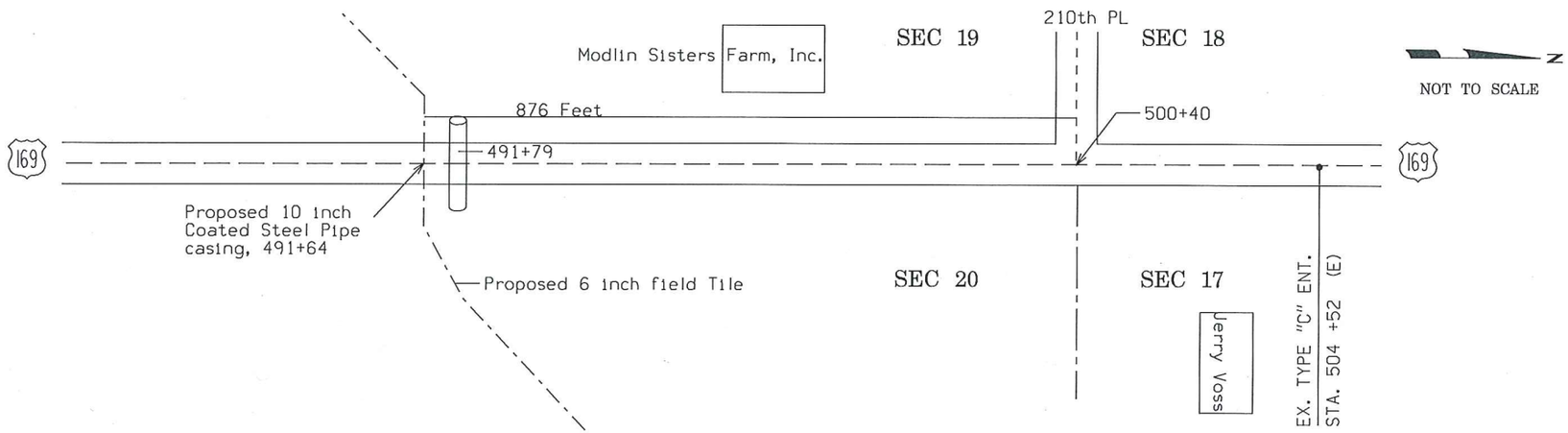
No. 25u-2015-019
County Dallas
Proj.No. FAP-641

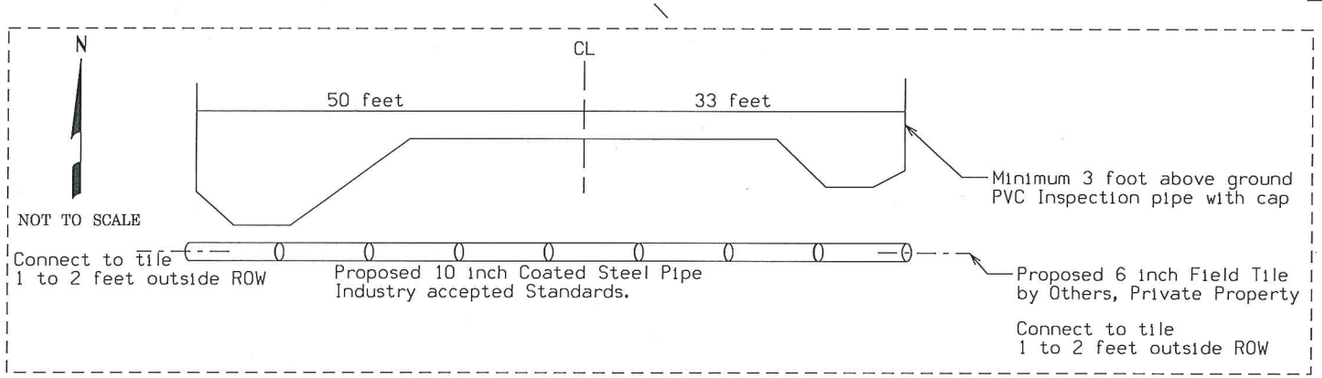
☐ SPECIAL ACCESS CONNECTION
Access Rights Acquired
Attach to Form 810052

☐ REVISION OF ACCESS
Access Rights Acquired
Attach to Form 810052

☐ ENTRANCE PERMIT APPLICATION
Access Rights Not Acquired
Attach to Form 640004

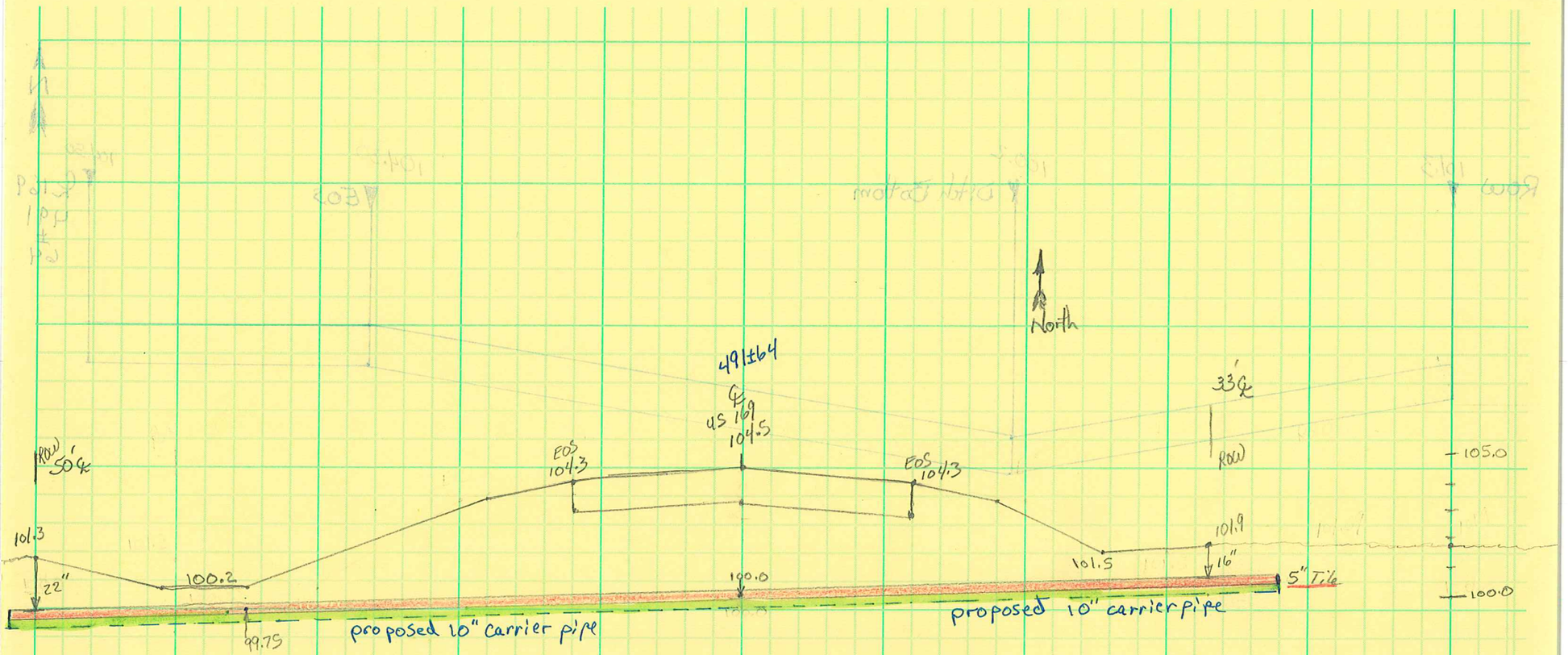
Location Description: Primary Road No. US 169, Sec. 20, T. 80N, R. 27W, _____ Dallas County,
Being 1.66 Miles South (Direction) From The SCL of Minburn, More specifically described as:
Approximately 876 feet south from the section corner of 17, 18, 19, and 20-80-27W in Dallas County
AKA 876 feet south of 210th PL

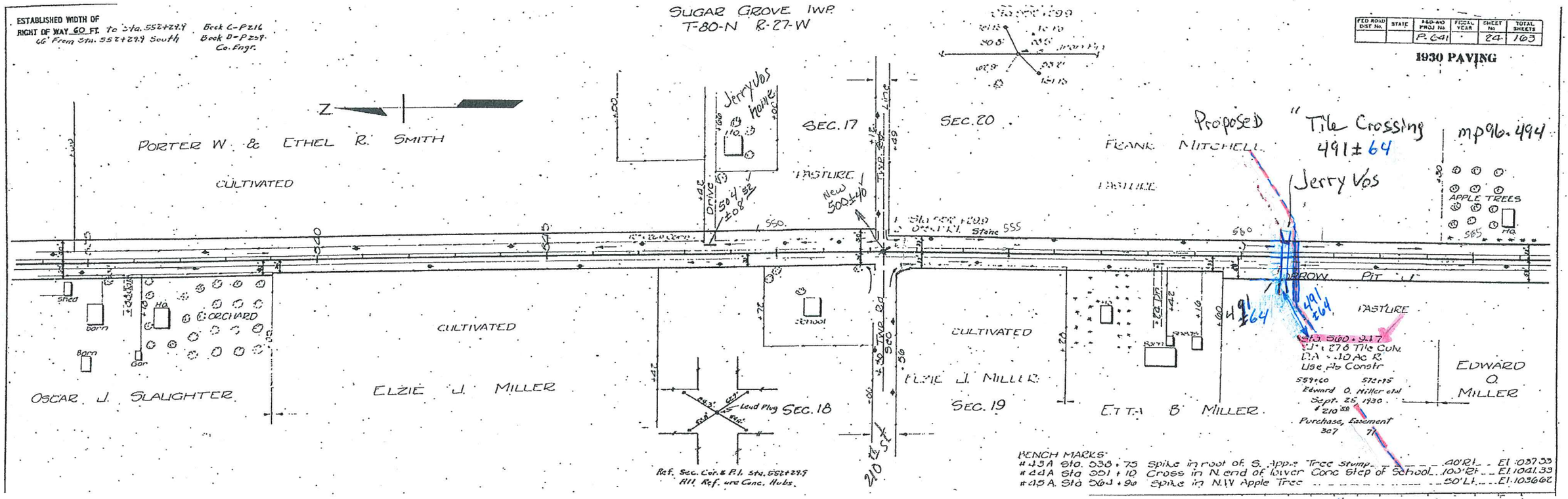




Applicant Iowa Department of Transportation c/o Bobby Dahl
Telephone Number 641-782-4310
Address 701 East Taylor Street
Creston, Ia. 50801
Date September 14, 2015

Disclosure Statement: The information furnished on this form will be used by the Department of Transportation to determine approval or denial of the application. Failure to provide all information will result in denial of the application. Information furnished is public information and copies may be provided to the public upon request.


North
49+64
℄
US 169
104.5
EOS
104.3
EOS
104.3
ROW
50'℄
33'℄
ROW
105.0
100.0
101.3
22"
100.2
99.75
100.0
101.5
101.9
16"
5" Tile
proposed 10" carrier pipe
proposed 10" carrier pipe


ESTABLISHED WIDTH OF RIGHT OF WAY 60 FT. to Sta. 552+24.9
66' From Sta. 552+24.9 South
Book C-P216
Book D-P258
Co. Engr.
SUGAR GROVE TWP.
T-80-N R-27-W
FED ROAD DIST No.
STATE
FED-AID PROJ No.
P. 641
FISCAL YEAR
SHEET No.
24
TOTAL SHEETS
163
1930 PAVING
N
PORTER W. & ETHEL R. SMITH
CULTIVATED
Jerry Vos home
SEC. 17
SEC. 20
PASTURE
New 500±40
Drive 504±08
Stone 555
FRANK MITCHELL
PASTURE
Proposed 10" Tile Crossing 491±64
Jerry Vos
mp96.494
APPLE TREES
Ha.
565
560
DROW PIT
491±64
PASTURE
Sta. 560+94.7
D.A. = 276 Tile Culv.
D.A. = .10 Ac R
Use As Constr
559+60 572+95
Edward O. Miller et al
Sept. 25, 1930
#210 88
Purchase, Easement
307 71
EDWARD Q. MILLER
Shed
Barn
Ha.
ORCHARD
Barn
Gar
OSCAR J. SLAIGHTER
CULTIVATED
ELZIE J. MILLER
School
Lead Plug
SEC. 18
CULTIVATED
ELZIE J. MILLER
SEC. 19
ETTA B. MILLER
Ref. Sec. Cor. & P.I. Sta. 552+24.9
All Ref. are Conc. Hubs.
BENCH MARKS
#43A Sta. 538+75 Spike in root of S. Apple Tree Stump 40'Rt. El. 1037.33
#44A Sta. 551+10 Cross in N end of lower Conc Step of School 100'Rt. El. 1041.33
#45A Sta. 564+96 Spike in N.W. Apple Tree 50'Lt. El. 1036.62
" Tile - Connect to
10", Coated steel pipe 491±95

Form 640002
Rev. 6-99

Iowa Department of Transportation
Maintenance Division

ACCESS EXHIBIT

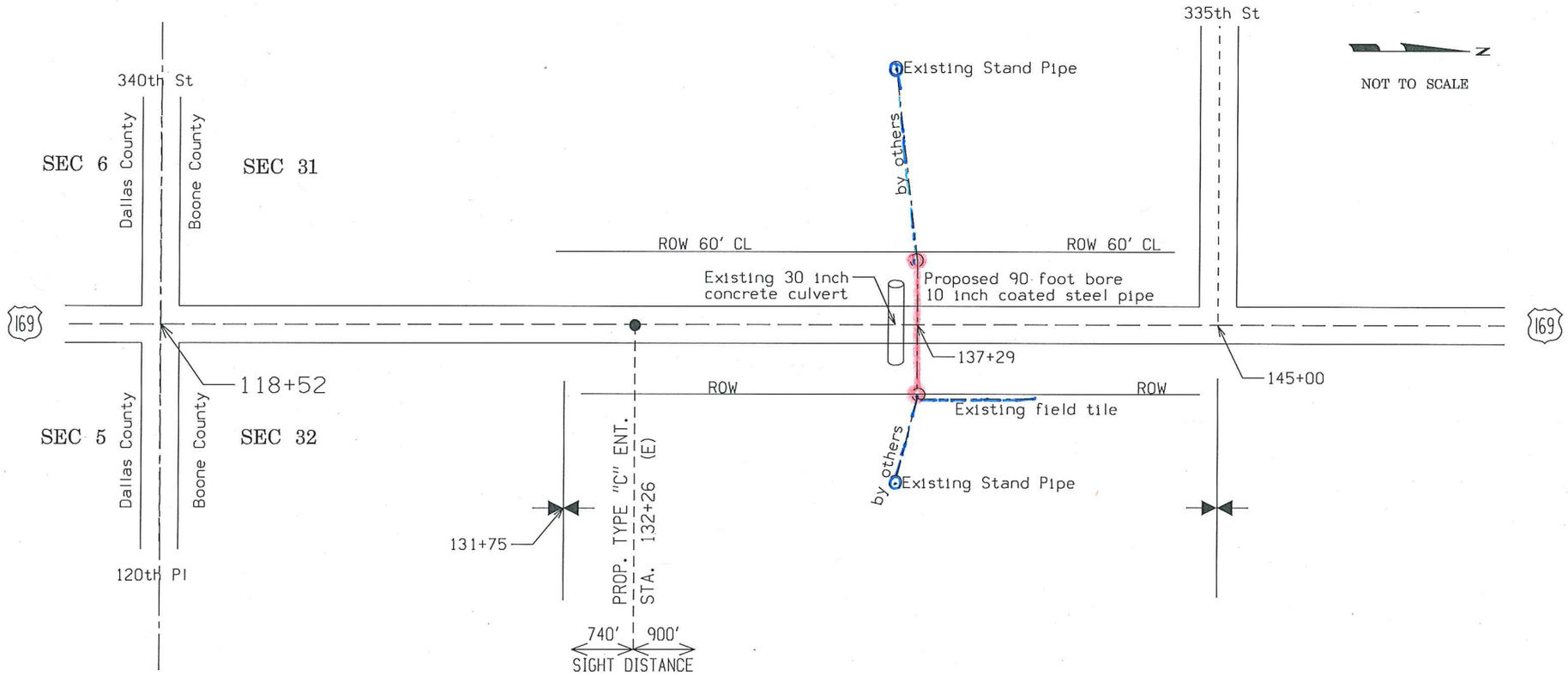
No. Bu-2015-012
County Boone
Proj.No. FA-65A(2)

☐ SPECIAL ACCESS CONNECTION
Access Rights Acquired
Attach to Form 810052

☐ REVISION OF ACCESS
Access Rights Acquired
Attach to Form 810052

☐ ENTRANCE PERMIT APPLICATION
Access Rights Not Acquired
Attach to Form 640004

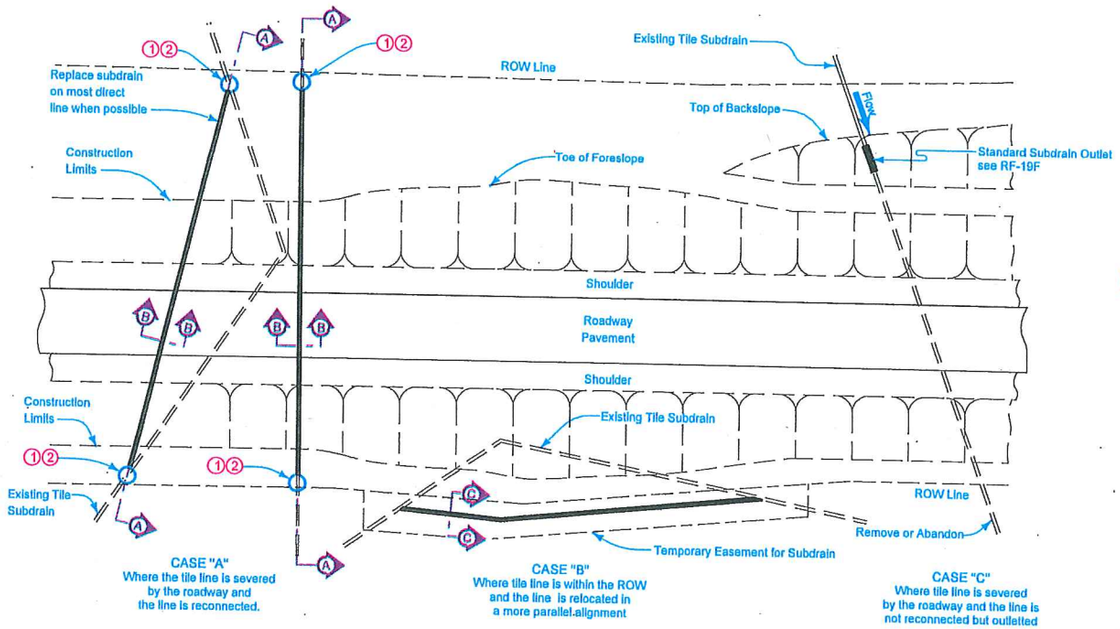
Location Description: Primary Road No. US 169, Sec. 32, T. 82N, R. 27W, Boone County,
Being 0.355 Miles North (Direction) From the Dallas/Boone County Line, 120th Pl, More specifically described as:
Approximately 1,877 feet north from the section corner of 5, 6-81-27W in Dallas County
and 31, 32-82N-27W in Boone County



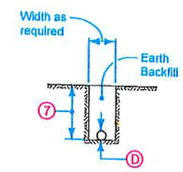
Applicant Iowa Department of Transportation c/o Bobby Dahl
Telephone Number 641-782-4310
Address 701 East Taylor Street
Creston, Iowa 50801
Date October 9, 2015

Disclosure Statement: The information furnished on this form will be used by the Department of Transportation to determine approval or denial of the application. Failure to provide all information will result in denial of the application. Information furnished is public information and copies may be provided to the public upon request.

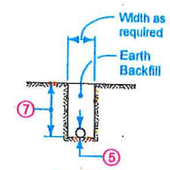
84-2015-012



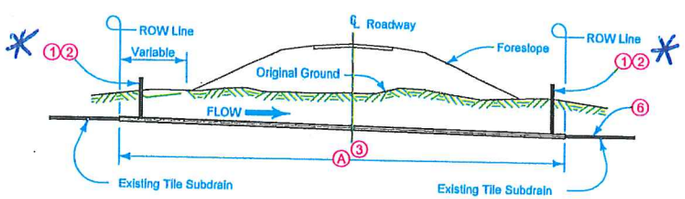
TYPICAL PLAN FOR REPLACING OR RELOCATING EXISTING FIELD TILE



CASE "A"
SECTION B-B



CASE "B"
SECTION C-C



CASE "A"
SECTION A-A

1. 4 inch diameter inspection access with cap. Minimum of 3 feet above ground. Use PVC meeting the requirements of Article 4146.03 of the Standard Specifications.
2. Inspection access is required to allow inspection by the upstream and downstream property owners. Perforated pipe may be used to allow ditch drainage into subdrain if approved by adjacent property owners.
3. Dimension (A) indicates the R.O.W. limits in which replacement of tile subdrain according to the replacement schedule is required.
4. Replacement sizes provide equivalent capacity based on a 6 inch settlement assuming a 0.20% slope with n=0.013 for concrete pipe and n=0.025 for corrugated pipe (Manning's Formula)
5. Replace in kind (size and type) or with 'PE' slotted pipe, a minimum of one size larger than existing line.
6. When multiple drains are connected to one outlet, the outlet is to provide full capacity for all connected drain systems.
7. Depth as required.

When the existing tile lines are intercepted by roadway construction, replace them within the ROW limits of the project, or outlet them in a ditch or channel. Where the roadway intersects the tile line in an undesirable alignment, as shown in Case 'A', relocate the tile line to accomplish a more nearly right angle. Where the existing tile line alignment is more parallel to the roadway and within the construction limits, relocate the tile outside the ROW line, as shown in Case 'B'. In cases where new construction requires existing subdrain to outlet into the roadway ditch, as shown in Case 'C', provide the Standard Subdrain Outlet shown in DR-305.

Replace tile lines within the ROW limits according to the replacement schedule shown below. Install an inspection access at each end of replaced tile line. Replace tile lines outside the ROW limits using the same size of pipe as existing line.

REPLACEMENT SCHEDULE CASE 'A'
(Pipe size in inches)

Existing Tile Size	PROPOSED SUBDRAIN SIZE (D) (4)	
	Concrete Pipe	Coated CMP Pipe
4	-	10
6	-	12
8	12	15
10	15	18
12	15	21
15	18	24
18	21	30
21	24	36
24	30	36
> 24	Existing tile size + 6"	(6)

Install relocated or replacement subdrain so as to cause a minimum of disturbance to existing field tile. Connect to lines of existing tile drains in such a way as to leave the existing tile drains in a functional condition.

Cap blind ends of subdrains with a metal cap or as approved by the Engineer.

When concrete culvert pipe of 2000D (Class III) or stronger is required, furnish and install a DR-121 Type 1 connection at no additional cost to the Contracting Authority.

Possible Contract Items:
Standard Subdrain
Subdrain Outlet

Possible Tabulation:
104-5C

IOWA DOT

STANDARD ROAD PLAN

REVISION
New 04-21-15

DR-302

SHEET 1 of 1

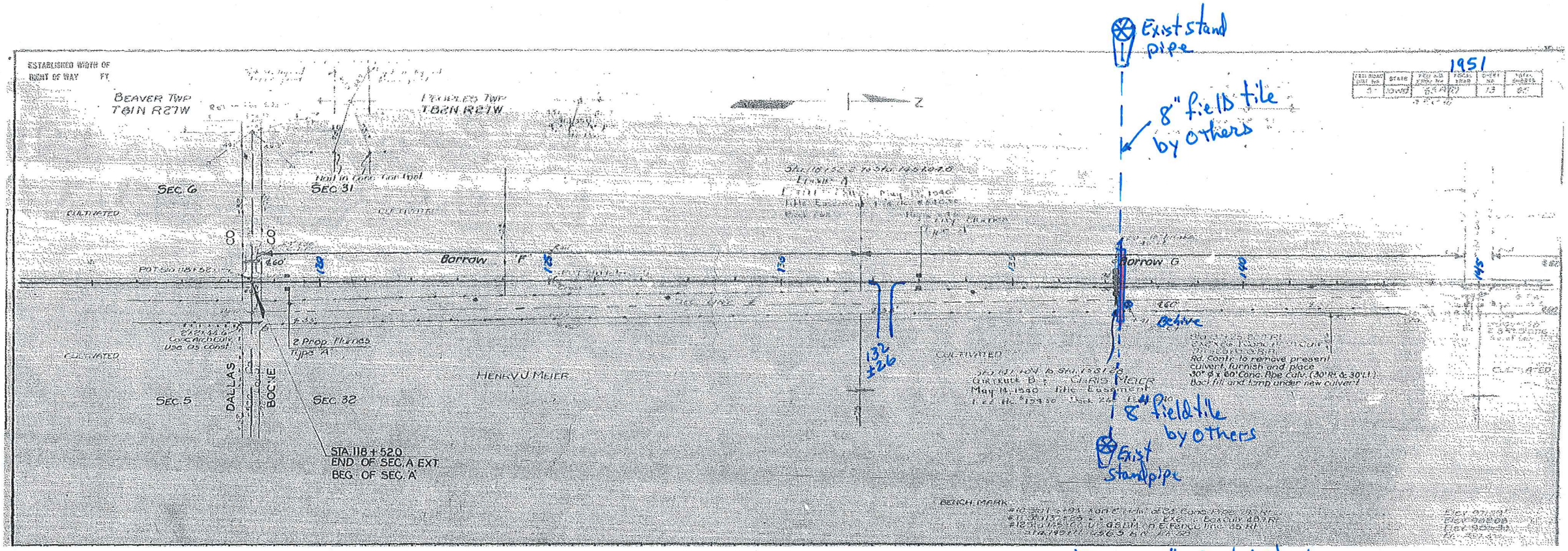
REVISIONS: New. Replaces RF-19B.

Brian Smith
APPROVED BY DESIGN METHODS ENGINEER

SUBDRAINS
STANDARD
(FARM TILE REPLACEMENT)

Bu-2015-012

FA-65A(2)



Bore 10" - Coated Steel pipe

137 ± 29

Standard Depth ± 4'

± 90' Bore