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# **WEXFORD COUNTY ROAD COMMISSION**

*OUR MISSION IS TO IMPROVE AND MAINTAIN A SAFE AND EFFICIENT ROAD SYSTEM*

May 17, 2023

## **NOTICE TO CONTRACTORS**

Sealed bids will be received at the office of the Wexford County Road Commission, 85 West Highway M-115, Boon, Michigan 49618 until 10:00 a.m. Tuesday, May 30th, 2023, at which time and place the bids will be opened and read for furnishing the Wexford County Road Commission for construction of the following:

### **DIRECTIONALLY DRILLED HDPE STORM PIPE REPLACEMENT AND ABANDONMENT**

325 Lft of 24" Directionally Drilled HDPE Storm Pipe, and Abandon Existing 30" CMP/RCP  
Wexford County, Haring Township, Section 27

Specifications are available at the Road Commission office in Boon, Michigan, or located on the Wexford County Road Commission web site. [www.wexfordcrc.org](http://www.wexfordcrc.org) Telephone, emailed, or faxed bids will not be accepted.

All materials and all work will be in accordance with the 2012 MDOT Standard Specifications for Construction. Insurance requirements shall be in accordance with the 2012 MDOT Standard Specifications for Construction. Award is contingent upon Board approval.

The Wexford County Road Commission, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Sub-Title A, Office of the Secretary, Part 21, Nondiscrimination 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 contact entered into pursuant to this advertisement, minority business enterprises 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, or national origin in consideration for an award.

The Board reserves the right to reject any or all bids or any part of the same, to waive irregularities and/or informalities and to make the award in part or entirety in any manner deemed to be in the best interest of the Wexford County Road Commission.

Wexford County Road Commission

Harry Hagstrom, Chairman  
Harold Falan, Vice-Chairman  
Dean Jurik, Member  
Jim Leggett, Member  
Robert Hilty, Member

## **13<sup>th</sup> Street/WMISD Directional Drilled Culvert Replacement Proposal**

### **Project Location:**

Directional Drilled HDPE Culvert Replacement, 13<sup>th</sup> Street, Haring Township, Section 27, Wexford County, Michigan.

### **Description of Work:**

The work of this contract involves the abandonment of the existing storm pipe, directional drilling in a new storm pipe, setting 2 new manholes to transition pipe, curb and gutter remove and replacement, along with HMA surface repair.

- Due to the bottom of the existing structure being rotted out, the old pipe will be abandoned. Abandonment of the pipe will include bulkheading the pipe at both ends with concrete and filling with flowable fill grout. The east end of the existing pipe will be removed where outside of the curb line.
- New pipe is going to be HDPE, directionally drilled in place. Installation of new concrete manholes set to transition pipe from existing concrete to HDPE. There is an 18" RCP storm to connect to the new manhole. Invert grades and pipe slope to be determined in field and approved by the Engineer **prior** to construction.
- Concrete manholes will be 48" diameter, most likely will need to be a "doghouse" type built on a concrete cookie. Both manholes will have new covers. Invert grades to be determined in field and approved by Engineer **prior** to construction.
- There will be a portion of curb and gutter to remove and replace, along with HMA surface to remove and repave.

Some work items will be paid for as separate pay items due to high unit cost. All other work to complete this project will be included in a lump sum pay item, including traffic control.

All work, including restoration and traffic control shall be included for this project. The contractor will be responsible for all items of work listed in the Bid Proposal and shown in the plans. A list of pay items are attached to this proposal. The quantities are estimated based on field findings and measurements. The contractor will provide traffic control. The contractor is responsible for proper signage per MMUTCD guidelines and to maintain safe a construction area.

### **Construction Notes:**

There are multiple existing utilities in the work area. This includes 3 phase electric, 2 fiber optic cables, gas main, and phone line.

WCRC has provided a sketch with approximate locations and quantities of work for this project. Grades for pipe and manhole elevations will be determined in the field after exposing existing conditions and must be approved by the Engineer prior to any construction.

The following items are being provided for information only and are **estimated quantities**:

Culvert Rem, >24"	50 Ft
Embankment, CIP	15 Cyd
Bulkhead Pipe	3 Ea
Flowable Fill, Non-Structural	95 Cyds
48" Concrete Manhole	2 Ea
Casting Type B w/frame	2 Ea
24" HDPE Pipe	325 Ft
24" Metal End Section	1 Ea
Ditching to Realign Inlet	75 Lft
Connect to Existing Sewer	2 Ea
Curb Remove	100 Ft
HMA Surface Rem	215 Syds
Structure Backfill, CIP	5 Cyds
Aggregate Base, CIP	10 Ton
F4 Modified Conc Curb & Gutter	100 Ft
4E1 HMA	57 Ton
Topsoil, Seed, and Mulch	
Misc brick, block & mortar	
Traffic Control, Shoulder Closure	1 Ea

\*HDPE Pipe to be Sclairpipe SDR11 (200 psi) 24" NPS. Fusable pipe. Avg ID 19.37" – Min Wall Thickness 2.182" – Avg Weight 65.55 Lbs/Ft or approved equal.

\*HMA to be 4E1 placed in 2 lifts at a rate of 220 Lbs/Syd each lift. Bond coat required if wearing course and leveling course are not paved the same day. Bond coat, if needed, to be applied at a rate of 0.05 to 0.15 gal/syd.

### **Project Schedule:**

The timing of this project is critical. WCRC has placed a temporary repair on the failed section of pipe to buy some time. The Wexford/Missaukee ISD School has asked WCRC to postpone the work until after the end of the school year to minimize disruption to traffic using the entrance. School is scheduled to recess for summer on June 8<sup>th</sup>. No work is to be performed prior to June 8<sup>th</sup>, unless the existing pipe fails, requiring an emergency replacement.

### **Measurement and Payment:**

Some work items will be paid for as separate pay items due to high unit cost (see bid tab). All other equipment, materials, and work to complete this project will be included in a lump sum pay item, including traffic control.

### **Insurance Requirements:**

Insurance: Requirements as per MDOT 2012 Standard Specifications for Construction.

**13<sup>th</sup> Street/WMISD  
 Directional Drilled Culvert Replacement Proposal**

Wexford County, Michigan.

All of the work herein specified will be paid for and included in the following pay items:

<b>Items of Work</b>	<b>Qty</b>	<b>Unit Price</b>	<b>Extended Price</b>
24" HDPE Pipe Drilled in Place	325 Ft	_____	_____
Flowable Fill, Non-Structural	95 Cyds	_____	_____
HMA, 4E1	57 Ton	_____	_____
Curb, Conc, Det F4, Modified	100 Ft	_____	_____
*All other material and labor To complete the connection of Pipe and manholes, ditching, and restoration, including Traffic control.	1 Lump Sum		_____
	<b>TOTAL BID AMOUNT =</b>		_____

Company Name \_\_\_\_\_

Address \_\_\_\_\_

By (Name and Title) \_\_\_\_\_

Authorized Signature \_\_\_\_\_

Date \_\_\_\_\_

**SPECIAL PROVISION**  
**FOR**  
**MAINTAINING TRAFFIC**

*KFH / WCRC*

*1 of 2*

*8-11-18*

**Description:**

This work shall consist of all labor, materials, and equipment required to maintain traffic as specified herein.

**General:**

Traffic shall be maintained in accordance with Section 103.05, 103.06, and 812 of the 2012 MDOT Standard Specifications for Construction, including any supplemental specifications, and as herein specified. All traffic control devices and their usage shall comply with the 2010 edition of the Michigan Manual of Uniform Traffic Control Devices (MMUTCD).

The Contractor shall submit a written plan for maintaining traffic prior to beginning work, and subsequent updates of the plan to the Engineer for approval prior to putting changes into effect. The information shall note the traffic control devices and their placement, the location of flag persons, and intermediate flag persons as necessary. The maximum length of a flag control sequence shall be two miles with only one flag control sequence allowed at a time. Flag persons shall be equipped with two-way radios and a warning garment that is both fluorescent orange and reflectorized. Flag persons shall be used at crossroads or other traffic generators within the lane closure as directed by the Engineer.

**SPECIAL PROVISION  
FOR  
MAINTAINING TRAFFIC**

*KFH / WCRC*

*2 of 2*

*8-11-17*

**Traffic Restrictions:**

All work shall be confined to daylight hours. No work shall be permitted on Sundays, holidays, holiday weekends, or during special events. All lanes of traffic shall be open at the end of each working day if constructing partial width. A minimum of one lane of traffic shall be maintained at all times, except where noted in the plans or if road is closed completely. Current MDOT signing sequences shall be utilized for the operation being performed. Commercial and residential driveways shall remain accessible at all times.

**Measurement and Payment:**

The completed work for Traffic Control, including all labor, materials, and equipment as required, shall include, but not be limited to, the following items as described in the 2012 MDOT Standard Specifications for Construction:

Flag Control  
Minor Traffic Devices  
Sign, Type B, Temporary  
Lighted Arrow, Type A  
Sign Covers

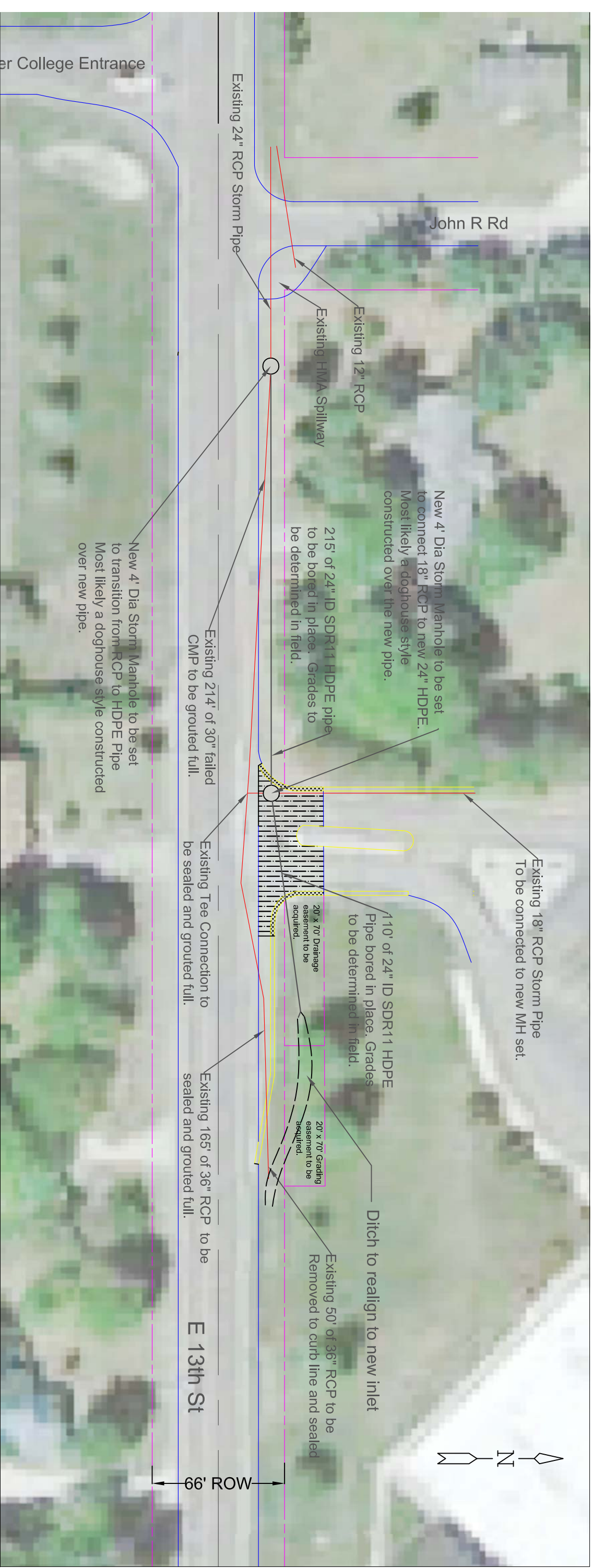
These items will not be paid for separately, but will be included in and paid for at the unit price for each culvert location contract pay item:

Pay Item

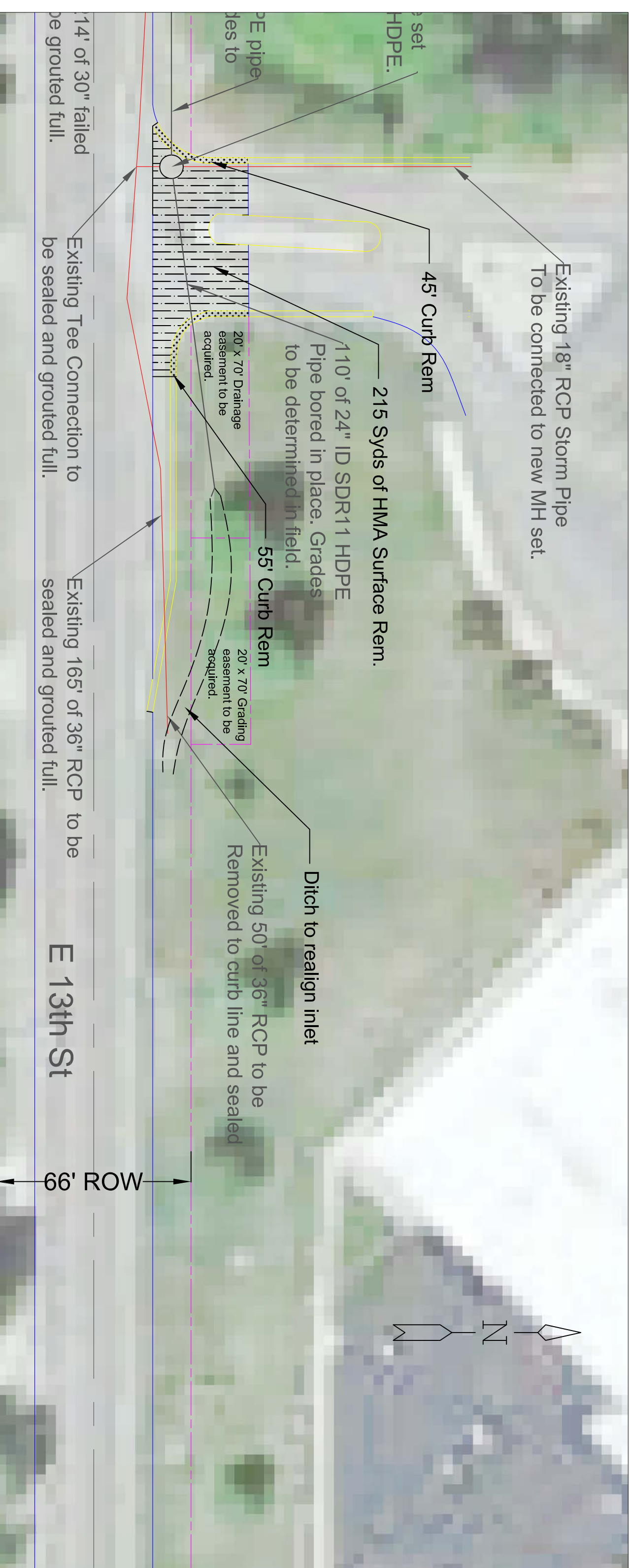
Unit

*Included in Lump Sum Materials/Labor*

*LSUM*



DATE: <b>06/15/23</b>	PROJECT: <b>13TH ST/ WMISD DIRECTIONAL DRILLED CULVERT REPLACEMENT AND ABANDONMENT</b>
Not to Scale	
	SKETCH
	PAGE: <b>1</b>



E 13th St

66' ROW

DATE: 06/15/23	PROJECT: 13TH ST/ WMISD DIRECTIONAL DRILLED CULVERT REPLACEMENT AND ABANDONMENT	SKETCH
Not to Scale		PAGE: 2