



ADDENDUM NO. 3

FOR

**BID #015-19
STINSON ROAD PAVING AND DRAINAGE IMPROVEMENTS**

**BID #016-19
BLONDY JHUNE ROAD RECONSTRUCTION (Base and Add Alternative 1)**

**BID # 017-19
WINNINGKOFF ROAD PHASE 2 PAVING AND DRAINAGE PROJECT**

To: ALL BIDDERS

This is instruction to make the following changes to the Bid Package you now have for the subject projects: Replace pages 4-6, 18-21, 24, 27, 30, 31, 33, 34, 39, 40, 44, 45, 49-52, 55-58, 62, 68-71, 77, 80, 82-84 and 139. Add revised sheets to construction plans.

Attached for your use are revisions to the Bid Package previously distributed. The following is a summary of the revisions broken down by project:

Section I. Notice to Bidders, Page 4 & 5

- Added Forms to Required Forms List, Section 1.12
- Removed Critical Path Form From List of Required Forms, Section 1.12

Section I. Notice to Bidders, Page 6

- Remove Reference to Critical Path, Section 1.18

BID #015-19 STINSON ROAD PAVING AND DRAINAGE IMPROVEMENTS

Section III. Bid Schedule of Values and Bid Endorsements, Page 18

- Updated Bid Item 466 6063 (2 EA)

Section III. Bid Schedule of Values and Bid Endorsements, Page 19

- Added Bid Item 506 6000 (1 LS)

Section III. Bid Schedule of Values and Bid Endorsements, Page 20

- Added Bid Item 530 6017 (100 CY)

Section III. Bid Schedule of Values and Bid Endorsements, Page 21

- Added Bid Item 1004 6002 (1 EA)

Section III. Bid Schedule of Values and Bid Endorsements, Page 24

- Updated Bid Item 6001 6001 (1 LS)

Section III. Bid Schedule of Values and Bid Endorsements, Page 27

- Updated Bid Endorsement Page

Construction Plans

- Revision 2: Updated Notes on General Notes, Sheet 10.
- Revision 2: Updated Bid Item Numbers and Added Note to Estimates and Summary of Quantities, Sheet 11.
- Revision 2: Added Note to Driveway Detail, Sheet 23.
- Revision 2: Updated Labels on Culvert Layout, Sheet 24.
- Revision 2: Updated Labels on Cross Section, Sheet 31-33.

BID #016-19 BLONDY JHUNE ROAD RECONSTRUCTION (Base and Add Alternative 1)

Section III. Bid Schedule of Values and Bid Endorsements, Page 30

- Added Bid Item 506 6000 (1 LS)

Section III. Bid Schedule of Values and Bid Endorsements, Page 31

- Added Bid Item 530 6017 (100 CY)

Section III. Bid Schedule of Values and Bid Endorsements, Page 33

- Added Bid Item 1004 6002 (1 LSA)

Section III. Bid Schedule of Values and Bid Endorsements, Page 34

- Updated Bid Item 6001 6001 (1 LS)

Section III. Bid Schedule of Values and Bid Endorsements, Page 39

- Updated Bid Item 6001 6001 (1 LS)

Section III. Bid Schedule of Values and Bid Endorsements, Page 40

- Updated Bid Endorsement Page

Construction Plans

- Revision 2: Added Note to General Notes, Sheet 7.
- Revision 2: Updated Bid Item Numbers and Added Note to Estimates and Summary of Quantities, Sheet 8.
- Revision 2: Added Note to Driveway Detail, Sheet 24.

BID #017-19 WINNINGKOFF ROAD PHASE 2 PAVING AND DRAINAGE PROJECT

Section III. Bid Schedule of Values and Bid Endorsements, Page 44

- Updated Bid Item 118 (4 EA)

Section III. Bid Schedule of Values and Bid Endorsements, Page 45

- Updated Bid Item 121 (3 LS)

Section III. Bid Schedule of Values and Bid Endorsements, Page 49

- Updated Bid Item 144 (2 EA)

Section III. Bid Schedule of Values and Bid Endorsements, Page 50

- Updated Bid Item 145 (1 EA)
- Updated Bid Item 146 (60 LF)

Section III. Bid Schedule of Values and Bid Endorsements, Page 51

- Updated Bid Item 152 (1 LS)
- Added Bid Item 155 (5070 CY)
- Added Bid Item 156 (114 Tons)
- Added Bid Item 157 (1 LSA)

Section III. Bid Schedule of Values and Bid Endorsements, Page 52

- Updated Maximum Number of Days of Construction (270 Days)
- Updated Bid Endorsement Page

Section VI. Special Conditions, Page 139

- Modified Special Condition SC.24

Construction Plans

- Revision 2: Updated General Notes, Sheet 2.
- Revision 2: Added Note, Sheet 32.
 - Add the following as a general note applicable to all phases of construction:
“Pay Item 127 is provided for High Early Strength Concrete reaching 4000 psi at 24 hours. This pay item is included to facilitate construction on some of the driveways and at Manor Lane.”

ALTERNATIVE BID

Section III. Bid Schedule of Values and Bid Endorsements, Page 55

- Updated Bid Item 466 6063 (2 EA)

Section III. Bid Schedule of Values and Bid Endorsements, Page 56

- Added Bid Item 506 6000 (1 LS)

Section III. Bid Schedule of Values and Bid Endorsements, Page 57

- Added Bid Item 530 6017 (100 CY)

Section III. Bid Schedule of Values and Bid Endorsements, Page 58

- Added Bid Item 1004 6002 (1 EA)

Section III. Bid Schedule of Values and Bid Endorsements, Page 62

- Updated Bid Item 6001 6001 (1 LS)

Section III. Bid Schedule of Values and Bid Endorsements, Page 68

- Updated Bid Item 506 6000 (1 LS)

Section III. Bid Schedule of Values and Bid Endorsements, Page 69

- Added Bid Item 530 6017 (100 CY)

Section III. Bid Schedule of Values and Bid Endorsements, Page 70

- Added Bid Item 1004 6002 (1 LSA)

Section III. Bid Schedule of Values and Bid Endorsements, Page 71

- Updated Bid Item 6001 6001 (1 LS)

Section III. Bid Schedule of Values and Bid Endorsements, Page 77

- Updated Bid Item 6001 6001 (1 LS)

Section III. Bid Schedule of Values and Bid Endorsements, Page 80

- Updated Bid Item 118 (4 EA)
- Updated Bid Item 121 (3 LS)

Section III. Bid Schedule of Values and Bid Endorsements, Page 82

- Updated Bid Item 144 (2 EA)
- Updated Bid Item 145 (1 EA)

Section III. Bid Schedule of Values and Bid Endorsements, Page 83

- Updated Bid Item 146 (60 LF)
- Updated Bid Item 152 (1 LS)
- Added Bid Item 155 (5070 CY)
- Added Bid Item 156 (114 Tons)
- Added Bid Item 157 (1 LSA)

Section III. Bid Schedule of Values and Bid Endorsements, Page 84

- Updated Bid Endorsement Page

electronically on the Texas Ethics Commission website, <https://www.ethics.state.tx.us>. Once you have electronically completed the form, you must print the form, sign & notarize the form, then deliver the form to the City of Lucas along with the executed contract. This will apply to contracts that will require Council approval, in most situations will be \$50,000 or greater.

1.8 ADDENDUMS/AMENDMENTS

Any interpretations, corrections and/or changes to a bid/proposal solicitation or extensions to the opening date will be made by addenda to the respective document when necessary. An addendum will be published and distributed by email or facsimile to all that are known to have received a copy of the bid/proposal and related specifications. However, it shall be the sole responsibility of the bidder/proposer to verify issuance/non-issuance of addenda and to check all avenues of document availability prior to opening date and time to insure bidder's receipt of any addenda issued. No addenda will be issued 3 days prior to bid opening. The last day for questions will be on **(January 28, 2019) at 2:00 PM**. The last day for addenda will be on **(January 29, 2019) at 2:00 PM**.

The bidder is required to acknowledge receipt of any amendments by submitting a signed copy of each amendment issued. Signed copies must be submitted as part of the signed bid/proposal submittal.

1.9 BID SUBMITTALS

Bids/Proposals shall be submitted on the forms provided to insure complete uniformity of wording of all bids. All lump sum and unit prices must be stated in both script and figures. Bids may be rejected if they show any omissions, alterations in wording, conditional clauses, or irregularities of any kind.

If an emergency or unanticipated event interrupts normal City processes so as to cause postponement of the scheduled bid opening, the time specified for receipt of bids will be deemed to be extended to the same time of day specified in the solicitation on the first work day on which normal City processes resume or to such other date and time as may be provided on the city website.

1.10 BIDDING ALTERNATES

Bid #016-19 Blondy Jhune Road Reconstruction includes two roadway segments, referred to as Base and Add Alternative 1. Bidders are required to provide bids for both roadway segments on the Schedule of Values and Bid Endorsement Form of this Bid Package.

This Invitation to Bid includes an ALTERNATIVE BID option that provides the opportunity for bidders to submit one collective bid for all three projects (please see SECTION III BID SCHEDULE OF VALUES AND BID ENDORSEMENTS).

1.11 ACCEPTANCE

Any offer received shall be considered an offer, which may be accepted by the City of Lucas based on initial submission without discussions or negotiations. By submitting an offer in response to this solicitation the bidder/proposer agrees that any offer it submits may be accepted by the City of Lucas at any time within 90 days from the close date.

The City of Lucas reserves the right to reject any or all offers and to waive informalities and minor irregularities in offers received, and/or to accept any portion of the offer if deemed in the best interest of the City of Lucas. Failure of the bidder/proposer to provide in its offer any information requested in the bid may result in rejection for non-responsiveness.

1.12 REQUIRED FORMS TO BE RETURNED WITH BID SUBMITTAL

- | | |
|---|--------------------------------------|
| a. Certificate of Insurance | f. Schedule of Subcontractors |
| b. Affidavit of No Prohibited Interest | g. Workforce Composition |
| c. Bidders Qualification Statement with three references | h. Schedule of Values Forms |
| d. Supplemental Information | i. Bid Endorsement Pages |
| e. Conflict of Interest Questionnaire | j. Standard Form of Agreement |

- k. **Bid Bond for 5% of total project due with bid submittal**
- l. **Acknowledgement of Addendums**
- m. **REMOVED** (Addendum #3)

- n. **Affidavit of Bills Paid**
- o. **Bidder/Vender Application** (Addendum #3)
- p. **Certificate of Interested Parties**

1.13 COMMENCEMENT OF WORK

The Contractor agrees to commence work within then (10) days after the date of written notice to proceed.

1.14 REQUIRED BONDS

The following bonds are required prior to contract execution OR project acceptance:

- Bid Bond – due with bid submittal
- Payment Bond – due prior to contract execution
- Performance Bond – due prior to contract execution
- Maintenance Bond to be executed at final acceptance for two (2) years and 100% of project total

1.15 AWARD

The City of Lucas intends to make an award using the evaluation criteria and other factors as indicated in this bid/proposal. The award shall be based on the lowest responsible and best-qualified bidder whose evaluation by the City of Lucas indicates to be in the best interest of the City and taxpayers.

This Bid will be awarded on the basis of "best value". The award to the successful bidder will be determined by best value to the City of Lucas as allowed by **Chapter 252 of the Local Government Code**. The following criteria will be considered when selecting the successful bidder:

- the purchase price
- the reputation of the bidder and the bidder's services;
- the quality of the bidder's service;
- the extent to which the bidder's services meet the City's needs;
- the bidder's past business relationship with the City;
- the impact on the ability of the City to comply with laws and rules relating to contracting with historically underutilized businesses and non-profit organizations employing persons with disabilities;
- the total long-term cost to the City to acquire the bidder's goods or services; and
- any relevant criteria specifically listed in the request for bids or proposals.

1.15.1 Factors for consideration in the evaluation process:

Bidders should be aware that the evaluation for the award of this contract will consider both the **bid amount and the number of days bid for each individual Project** (BLONDY JHUNE ROAD RECONSTRUCTION, STINSON ROAD PAVING AND DRAINAGE IMPROVEMENTS, AND WINNINGKOFF ROAD), to determine the "best value" for the City. This bidding method is sometimes referred to as 'A+B' bidding.

Formula: A + B = Total Bid

A = Amount Bid

B = Time Bid (Total Days Bid x Monetary Value of a Calendar Day).

The monetary value of a calendar day will be determined by the following table based on the bid amount for each project.

(Addendum #3)	Amount of Bid (\$)	Value of a Calendar Day (\$)
	Less than 25,000	100 per day
	25,000 to 99,999.99	160 per day
	100,000 to 999,999.99	240 per day
	1,000,000 to 1,999,999.99	500 per day
	2,000,000 to 2,999,999.99	1,000 per day
	3,000,000 to 3,999,999.99	1,500 per day
	More than 4,000,000.00	2,000 per day

Invitation for Bid (Project Grouping Alternative)

This Invitation for Bid is part of a **Project Grouping Alternative** where, based on the combined Total Bid (A + B), the successful bidder(s) may be awarded all the **Projects** listed herein.

A Bidder may bid on any of the three projects or provide an Alternative Bid which incorporates all three Projects into one Bid. The “B” (time bid amount) should be calculated for each project independently and not based on the combined value of all three projects. All the Bid/Proposals will be opened and evaluated independently.

The City of Lucas, at their discretion, will select the successful bidder for each **Project** individually or one (1) bidder for the **Project Grouping**. **The City will evaluate each responsive bid and recommend award of a Contract that provides the City with the Best Value to the City Council at their meeting scheduled for Thursday, February 21, 2019.**

Projects Considered for this Grouping:

Project Name: (BID #016-19) BLONDY JHUNE ROAD RECONSTRUCTION

Project Name: (BID #015-19) STINSON ROAD PAVING AND DRAINAGE IMPROVEMENTS

Project Name: (BID #017-19) WINNINGKOFF ROAD PHASE 2 PROJECT

1.16 LIQUIDATED DAMAGES

Bidders should be aware that the City of Lucas expects timely completion of the contract within the timeframe indicated by the bidder in their bid. Consequently, bidders should be aware that the following schedule will be applied by the City as liquidated damages for each day the project is delayed in completion:

Amount of Contract (\$)	Value of a Calendar Day (\$)
Less than 25,000	100 per day
25,000 to 99,999.99	160 per day
100,000 to 999,999.99	240 per day
1,000,000 to 1,999,999.99	500 per day
2,000,000 to 2,999,999.99	1,000 per day
3,000,000 to 3,999,999.99	1,500 per day
More than 4,000,000.00	2,000 per day

Note: The sum of money thus deducted for such delay, failure, or noncompletion is not to be considered as a penalty, but shall be deemed, taken and treated as reasonable liquidated damages, per day that the contractor shall be in default after the time stipulated in the contract for completing the work.

1.17 RETAINAGE

As security for the faithful completion of the work by the contractor, the owner shall retain ten percent (10%) of the total dollar amount of work done on all contracts less than \$400,000; five percent (5%) of the total dollar amount of work done on all contracts of \$400,000 or more. Retainage will be held from each progress payment/invoice through final project completion/closeout.

1.18 CONTRACTOR’S CONSTRUCTION SCHEDULE

(Addendum #3) The contactor must submit a Construction Schedule within 10 days of award for each of the Projects they are awarded. The schedule or schedules shall be project specific and will identify all milestones and critical path. **The**

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
466	6063	2.0	EA Headwall (Concrete Headwall - Flared wing - 0 Degree Skew) (Design 4) complete in place, the sum of _____ Dollars and _____ Cents per Each		
467	6159	2.0	EA Safety End Treatment (Type I)(S=4 feet)(HW = 7 feet)(6:1) (Precast) complete in place, the sum of _____ Dollars and _____ Cents per Each		
467	6192	2.0	EA Safety End Treatment (Type I)(S=5 feet)(HW = 7 feet)(6:1) (Precast) complete in place, the sum of _____ Dollars and _____ Cents per Each		
467	6229	2.0	EA Safety End Treatment (Type I)(S=6 feet)(HW = 7 feet)(6:1) (Precast) complete in place, the sum of _____ Dollars and _____ Cents per Each		
467	6363	14.0	EA Safety End Treatment (Type II) (18 inch) (Reinforced Concrete Pipe) (6:1) (Precast) complete in place, the sum of _____ Dollars and _____ Cents per Each		
467	6395	4.0	EA Safety End Treatment (Type II) (24 inch) (Reinforced Concrete Pipe) (6:1) (Precast) complete in place, the sum of _____ Dollars and _____ Cents per Each		
467	6545	2.0	EA Safety End Treatment (Type II) (Design 3) (Reinforced Concrete Pipe) (6:1) (Precast) complete in place, the sum of _____ Dollars and _____ Cents per Each		
467	6555	6.0	EA Safety End Treatment (Type II) (Design 4) (Reinforced Concrete Pipe) (6:1) (Precast) complete in place, the sum of _____ Dollars and _____ Cents per Each		

Addendum #3

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
506	6000	1.0	LS Storm Water Pollution Prevention Plan Permitting complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
506	6001	272.7	LF Rock Filter Dams (Install) (Type I) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
506	6011	272.7	LF Rock Filter Dams (Remove) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
506	6022	356.0	SY Construction Exits (Install) (Type 3) complete in place, the sum of _____ Dollars and _____ Cents per Square Yard		
506	6024	356.0	SY Construction Exits (Remove) complete in place, the sum of _____ Dollars and _____ Cents per Square Yard		
506	6038	9507.9	LF Temporary Sediment Control Fence (Install) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
506	6039	9507.9	LF Temporary Sediment Control Fence (Remove) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
529	6004	317.3	LF Concrete Curb (Monolithic) (Type I) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
529	6005	56.0	LF Concrete Curb (Monolithic) (Type II) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		

Addendum #3

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
530	6004	872.5	SY Driveways (Concrete) complete in place, the sum of _____ Dollars and _____ Cents per Square Yard		
530	6017	100.0	CY Driveways (Concrete)(High Early Strength)(6 inch)(4000 psi) complete in place, the sum of _____ Dollars and _____ Cents per Cubic Yard		
536	6004	199.9	SY Concrete Directional Island complete in place, the sum of _____ Dollars and _____ Cents per Square Yard		
550	6001	93.5	LF Chain Link Fence (Install)(6 feet) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
550	6003	70.8	LF Chain Link Fence (Remove)(6 feet) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
550	6006	1.0	EA Gate Remove complete in place, the sum of _____ Dollars and _____ Cents per Each		
552	6005	1.0	EA Gate (Type I) complete in place, the sum of _____ Dollars and _____ Cents per Each		
560	6011	3.0	EA Mailbox Install-Single (Thin Walled White-Post) Type 4 complete in place, the sum of _____ Dollars and _____ Cents per Each		
1001	6006	1.0	LS Landscaping Architectural Features Relocation/Replacement complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		

Addendum #3

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
1004	6001	1.0	LS Tree Protection complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
1004	6002	1.0	EA Certified Arborist Root Pruning complete in place, the sum of _____ Dollars and _____ Cents per Each		Addendum #3
644	6060	28.0	EA Install Small Road Sign Support & Assembly Type (Thin-walled Tubing- Post) (1) Wedge Anchor Steel (Prefabricated) complete in place, the sum of _____ Dollars and _____ Cents per Each		
644	6076	10.0	EA Remove Small Road Sign Support and Assembly complete in place, the sum of _____ Dollars and _____ Cents per Each		
666	6002	74.1	LF Reflective Pavement Markings Type I (White) 4 inch (Break)(090 MIL) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		Addendum #1
666	6011	9429.0	LF Reflective Pavement Markings Type I (White) 4 inch (Solid)(090 MIL) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		Addendum #1
666	6020	147.0	LF Reflective Pavement Markings Type I (White) 6 inch (Solid)(090 MIL) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		Addendum #1
666	6053	3.0	EA Reflective Pavement Markings Type I (White)(Arrow)(090 MIL) complete in place, the sum of _____ Dollars and _____ Cents per Each		Addendum #1
666	6101	12.0	EA Reflective Pavement Markings Type I (White) 36 inch (Yield Triangle)(090 MIL) complete in place, the sum of _____ Dollars and _____ Cents per Each		Addendum #1

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
512	6049	1.0	LS Portable Concrete Traffic Barrier (Remove) (Single Slope) (Type I) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
560	6011	1.0	LS Mailbox Install - Single (Thin Walled White-Post) Type 4 complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
662	6063	1.0	LS Work Zone Pavement Markings Remove (White) 4 inch (Solid) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
662	6095	1.0	LS Work Zone Pavement Markings Remove (Yellow) 4 inch (Solid) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
6001	6001	1.0	LS Portable Changeable Message Sign complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
6000	6153	1.0	EA Replace Access Hole Cover complete in place, the sum of _____ Dollars and _____ Cents per Each		
6295	6001	1.0	EA Decorative Lighting Assembly complete in place, the sum of _____ Dollars and _____ Cents per Each		
7049	6004	45.0	LF Water Main Pipe (PVC) (6 inch) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
7049	6087	2.0	EA Tapping Sleeve and Valve (12 inch x 6 inch) complete in place, the sum of _____ Dollars and _____ Cents per Each		

Addendum #3

BID ENDORSEMENT FOR BID #015-19, STINSON ROAD PAVING AND DRAINAGE IMPROVEMENTS:

The Contractor hereby agrees to commence work within Ten (10) days after the date written notice to do so shall have been given to him, and to substantially complete the same within _____ calendar days after the date of the written notice to commence work subject to such extensions of time as are provided by the General and Special Conditions. The work proposed to be done shall be accepted when fully completed and finished in accordance with the plans and specifications.

In the event of the award of a contract to the undersigned, the undersigned will furnish a Performance Bond and Payment Bond for the full amount of the contract. The undersigned certifies that the bid prices contained in this proposal have been carefully checked and are submitted as correct and final.

NOTE: Unit and lump sum prices must be shown in words and figures for each item listed in the Schedule of Values and in the event of discrepancy the words shall control.

Receipt is hereby acknowledged for the following addenda to the bid and contract documents:

Addendum No. 1 dated	_____	Received	_____
Addendum No. 2 dated	_____	Received	_____
Addendum No. 3 dated	_____	Received	_____

The undersigned, in submitting this bid proposal and their endorsement of same, represents that they are authorized to obligate their firm, that they have read this entire bid proposal package, is aware of the covenants contained herein and will abide by and adhere to the expressed requirements. Submittals will be considered as being responsive only if entire Bid Package plus any/all attachments is returned with all blanks completed. **The price portion of the bid is not the only consideration in the award.**

The total days bid for this project cannot exceed 460 calendar days.

A – Bid Amount: \$ _____

Total Days Bid: _____

B – Total Days Value: \$ _____

Contractor

By: _____
(please print name)

Signature: _____

Title: _____

Seal and Authorization
(If a Corporation)

Address

City, County, State and Zip

Telephone

Fax No.

E-Mail Address: _____

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
464	6007	80	LF Reinforced Concrete Pipe (Class III) (30 inch) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
464	6008	120	LF Reinforced Concrete Pipe (Class III) (36 inch) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
465	6187	1	EA Inlet (Complete)(Drop)(Type 1) (1 Grate) complete in place, the sum of _____ Dollars and _____ Cents per Each		
466	6005	2	EA Headwall (Concrete Headwall - Flared wing - 0 Degree Skew) (Diameter = 24 inch) complete in place, the sum of _____ Dollars and _____ Cents per Each		
466	6007	4	EA Headwall (Concrete Headwall - Flared wing - 0 Degree Skew) (Diameter = 30 inch) complete in place, the sum of _____ Dollars and _____ Cents per Each		
466	6009	2	EA Headwall (Concrete Headwall - Flared wing - 0 Degree Skew) (Diameter = 36 inch) complete in place, the sum of _____ Dollars and _____ Cents per Each		
466	6039	2	EA Headwall (Concrete Headwall - Flared wing - 30 Degree Skew) (Diameter = 36 inch) complete in place, the sum of _____ Dollars and _____ Cents per Each		
467	6363	20	EA Safety End Treatment (Type II) (18 inch) (Reinforced Concrete Pipe) (6:1) (Precast) complete in place, the sum of _____ Dollars and _____ Cents per Each		
506	6000	1	LS Storm Water Pollution Prevention Plan Permitting complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
506	6001	229	LF Rock Filter Dams (Install) (Type I) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		

Addendum #3

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
506	6011	229	LF Rock Filter Dams (Remove) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
506	6022	356	SY Construction Exits (Install) (Type 3) complete in place, the sum of _____ Dollars and _____ Cents per Square Yard		
506	6024	356	SY Construction Exits (Remove) complete in place, the sum of _____ Dollars and _____ Cents per Square Yard		
506	6038	4604	LF Temporary Sediment Control Fence (Install) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
506	6039	4604	LF Temporary Sediment Control Fence (Remove) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
529	6005	1471	LF Concrete Curb (Monolithic) (Type II) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
530	6004	1095	SY Driveways (Concrete) complete in place, the sum of _____ Dollars and _____ Cents per Square Yard		
530	6017	100	CY Driveways (Concrete)(High Early Strength)(6 inch)(4000 psi) complete in place, the sum of _____ Dollars and _____ Cents per Cubic Yard		
533	6002	2254	LF Rumble Strips (Centerline) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
533	6005	4791	LF Rumble Strips (Shoulder) Concrete complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		

Addendum #3

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
677	6001	1556	LF Eliminate Existing Pavement Markings & Markers (4 inch) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
678	6001	20981	LF Pavement Surface Preparation for Markings (4-inch) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
678	6033	164	EA Pavement Surface Preparation for Markings (Raised Pavement Markers) complete in place, the sum of _____ Dollars and _____ Cents per Each		
1004	6001	1	LS Tree Protection complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
1004	6002	1	LSA Certified Arborist Root Pruning complete in place, the sum of _____ Dollars Five Thousand _____ Dollars and _____ Zero _____ Cents per Lump Sum Allowance	\$ 5,000.00	\$ 5,000.00
500	6001	1	LS Mobilization complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
502	6001	1	LS Barricades, Signs and Traffic Handling complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
510	6001	1	LS One-Way Traffic Control (Flagger Control) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
512	6001	1	LS Portable Concrete Traffic Barrier (Furnish & Install) (Single Slope) (Type I) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
512	6025	1	LS Portable Concrete Traffic Barrier (Move) (Single Slope) (Type I) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		

Addendum #3

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
512	6049	1	LS Portable Concrete Traffic Barrier (Remove) (Single Slope) (Type I) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
560	6011	1	LS Mailbox Install - Single (Thin Walled White-Post) Type 4 complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
662	6063	1	LS Work Zone Pavement Markings Remove (White) 4 inch (Solid) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
662	6095	1	LS Work Zone Pavement Markings Remove (Yellow) 4 inch (Solid) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
6001	6001	1	LS Portable Changeable Message Sign complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
SUBTOTAL BID AMOUNT - BASE:					

Addendum #3

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
500	6001	1	LS Mobilization complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
502	6001	1	LS Barricades, Signs and Traffic Handling complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
510	6001	1	LS One-Way Traffic Control (Flagger Control) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
512	6001	1	LS Portable Concrete Traffic Barrier (Furnish & Install) (Single Slope) (Type I) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
512	6025	1	LS Portable Concrete Traffic Barrier (Move) (Single Slope) (Type I) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
512	6049	1	LS Portable Concrete Traffic Barrier (Remove) (Single Slope) (Type I) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
560	6011	1	LS Mailbox Install - Single (Thin Walled White-Post) Type 4 complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
662	6063	1	LS Work Zone Pavement Markings Remove (White) 4 inch (Solid) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
662	6095	1	LS Work Zone Pavement Markings Remove (Yellow) 4 inch (Solid) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
6001	6001	1	LS Portable Changeable Message Sign complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
SUBTOTAL BID AMOUNT - ADD ALTERNATE 1:					
TOTAL BID AMOUNT (BASE + ADD ALTERNATE 1):					

Addendum #3

BID ENDORSEMENT FOR BID #016-19, BLONDY JHUNE ROAD RECONSTRUCTION:

The Contractor hereby agrees to commence work within Ten (10) days after the date written notice to do so shall have been given to him, and to substantially complete the same within _____ calendar days after the date of the written notice to commence work subject to such extensions of time as are provided by the General and Special Conditions. The work proposed to be done shall be accepted when fully completed and finished in accordance with the plans and specifications.

In the event of the award of a contract to the undersigned, the undersigned will furnish a Performance Bond and Payment Bond for the full amount of the contract. The undersigned certifies that the bid prices contained in this proposal have been carefully checked and are submitted as correct and final.

NOTE: Unit and lump sum prices must be shown in words and figures for each item listed in the Schedule of Values and in the event of discrepancy the words shall control. Receipt is hereby acknowledged for the following addenda to the bid and contract documents:

Addendum No. 1 dated _____	Received _____
Addendum No. 2 dated _____	Received _____
Addendum No. 3 dated _____	Received _____

The undersigned, in submitting this bid proposal and their endorsement of same, represents that they are authorized to obligate their firm, that they have read this entire bid proposal package, is aware of the covenants contained herein and will abide by and adhere to the expressed requirements. Submittals will be considered as being responsive only if entire Bid Package plus any/all attachments is returned with all blanks completed. **THE TOTAL AMOUNT BID FOR THIS PROJECT, BLONDY JHUNE ROAD RECONSTRUCTION (BID #016-19) MUST INCLUDE THE COMBINED COSTS IDENTIFIED BY THE CONTRACTOR IN THE SCHEDULE OF VALUES FOR ROAD SEGMENTS 1 AND 2. The price portion of the bid is not the only consideration in the award. At the time of bid opening, the project is awarded to the bidder with the lowest sum of A + B. Bidders are instructed to use the Grand Total for both the Base and Alternate Schedules of Value for the Total Amount Bid Line below. Likewise, bidders are instructed to use the combined number of days bid times the Monetary Value for each day in the Line Item Below. Please identify the number of days for the Base and Alternate bids.**

The total days bid for this project cannot exceed 550 calendar days.

BASE	ADD ALTERNATE 1
A – Bid Amount: \$ _____	A – Bid Amount: \$ _____
Sub Total Days Bid: _____	Sub Total Days Bid: _____
B – Sub Total Days Value: \$ _____	B – Sub Total Days Value: \$ _____
A – Bid Amount (BASE + ADD ALTERNATE 1): \$ _____	
Total Days Bid (BASE + ADD ALTERNATE 1): _____	
B – Total Days Value (BASE + ADD ALTERNATE 1): \$ _____	

Seal and Authorization
(If a Corporation)

Contractor
By: _____
(Please print name)
Signature: _____
Title: _____

Address

City, County, State and Zip

Telephone _____ Fax No. _____
E-Mail Address: _____

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
115	814	L.F.	Remove & Dispose of Pipe Rail Fence complete in place, the sum of _____ _____ Dollars and _____ Cents per Linear Foot		
116	1	L.S.	Remove & Dispose of PVC Pipes of Various Sizes complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		
117	1	Ea.	Remove & Dispose of Existing WYE Inlet complete in place, the sum of _____ _____ Dollars and _____ Cents per Each		
118	4	Ea.	Remove & Replace Existing Sign complete in place, the sum of _____ _____ Dollars and _____ Cents per Each		
119	1	L.S.	Relocate Existing Fire Hydrant and Valve complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		

(Addendum #3)

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
120	1	L.S.	Relocate Existing Water Meter complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		
121	3	L.S.	Relocate Existing Water Valve complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		
122	2	L.S.	Remove & Re-Set Brick Mailbox complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		
123	3	Ea.	Remove & Re-Set Mailbox complete in place, the sum of _____ _____ Dollars and _____ Cents per Each		
124	976	S.Y.	Furnish, Install, Maintain & Remove Type 'C' Temporary Asphalt Pavement complete in place, the sum of _____ _____ Dollars and _____ Cents per Square Yard		

(Addendum #3)

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
140	1	Ea.	Furnish & Install 4'x4' Drop Inlet and Connect to Existing HDPE complete in place, the sum of _____ _____ Dollars and _____ Cents per Each		
141	1	Ea.	Furnish & Install 18-Inch CH-FW-0 Reinforced Concrete Headwall complete in place, the sum of _____ _____ Dollars and _____ Cents per Each		
142	553	S.Y.	Furnish & Install 12-Inch Thick Grouted Rock Rip-Rap complete in place, the sum of _____ _____ Dollars and _____ Cents per Square Yard		
143	150	L.F.	Furnish & Install 10' x 6' Box Culverts complete in place, the sum of _____ _____ Dollars and _____ Cents per Linear Foot		
144	2	Ea.	Furnish & Install TxDOT Type PW Headwall complete in place, the sum of _____ _____ Dollars and _____ Cents per Each		

(Addendum #3)

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
145	1	Ea.	Furnish & Install TxDOT Type CH-FW-O Headwall complete in place, the sum of _____ _____ Dollars and _____ Cents per Each		(Addendum #3)
146	60	L.F.	Lower Existing Waterline Including Cast Iron Fittings & Concrete Encasement complete in place, the sum of _____ _____ Dollars and _____ Cents per Linear Foot		(Addendum #3)
147	10,500	S.Y.	Furnish, Install & Maintain Hydromulch complete in place, the sum of _____ _____ Dollars and _____ Cents per Square Yard		
148	4,500	S.Y.	Furnish, Install & Maintain Solid Block Sod complete in place, the sum of _____ _____ Dollars and _____ Cents per Square Yard		
149	1	L.S.	Furnish, Install, Maintain & Remove Erosion Control Devices complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
150	1	L.S.	Furnish, Stormwater Pollution Prevention Plan (SW3P) complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		
151	1	L.S.	Furnish, Install, Maintain & Remove Traffic Control Devices complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		
152	1	L.S.	Furnish, Install, Maintain & Remove Four (4) Changeable Message Signs for Duration of Project complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		(Addendum #3)
153	1	L.S.	Furnish Trench Safety Plan complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		
154	1	L.F.	Install & Implement Trench Safety Plan complete in place, the sum of _____ _____ Dollars and _____ Cents per Linear Foot		
155	5,070	C.Y.	Unclassified Excavation complete in place, the sum of _____ _____ Dollars and _____ Cents per Cubic Yard		(Addendum #3)
156	114	Tons	Furnish Hydrated Lime (27 lbs./SY) complete in place, the sum of _____ _____ Dollars and _____ Cents per Ton		(Addendum #3)
157	1	L.S.A	Certified Arborist Root Pruning complete in place, the sum of _____ _____ Dollars and _____ Zero Cents per Lump Sum Allowance	\$ 5,000.00	\$ 5,000.00 (Addendum #3)
TOTAL AMOUNT BID (Items 101 Through 157)					

BID ENDORSEMENT FOR BID #017-19, WINNINGKOFF ROAD PHASE 2 Project:

The Contractor hereby agrees to commence work within Ten (10) days after the date written notice to do so shall have been given to him, and to substantially complete the same within _____ calendar days after the date of the written notice to commence work subject to such extensions of time as are provided by the General and Special Conditions. The work proposed to be done shall be accepted when fully completed and finished in accordance with the plans and specifications.

In the event of the award of a contract to the undersigned, the undersigned will furnish a Performance Bond and Payment Bond for the full amount of the contract. The undersigned certifies that the bid prices contained in this proposal have been carefully checked and are submitted as correct and final.

NOTE: Unit and lump sum prices must be shown in words and figures for each item listed in the Schedule of Values and in the event of discrepancy the words shall control.

Receipt is hereby acknowledged for the following addenda to the bid and contract documents:

Addendum No. 1 dated	_____	Received	_____
Addendum No. 2 dated	_____	Received	_____
Addendum No. 3 dated	_____	Received	_____

The undersigned, in submitting this bid proposal and their endorsement of same, represents that they are authorized to obligate their firm, that they have read this entire bid proposal package, is aware of the covenants contained herein and will abide by and adhere to the expressed requirements. Submittals will be considered as being responsive only if entire Bid Package plus any/all attachments is returned with all blanks completed. **The price portion of the bid is not the only consideration in the award.**

The total days bid for this project cannot exceed 270 calendar days. (Addendum #3)

A – Amount Bid: \$ _____

Total Days Bid: _____

B – Total Days Value: \$ _____

Contractor

By: _____
(please print name)

Signature: _____

Title: _____

Seal and Authorization
(If a Corporation)

Address

City, County, State and Zip

Telephone

Fax No.

E-Mail Address: _____

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
432	6058	85.6	CY Bedding Material (Variable) complete in place, the sum of _____ Dollars and _____ Cents per Cubic Yard		
462	6003	237.0	LF Concrete Box Culvert (4x2) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
462	6007	142.0	LF Concrete Box Culvert (5x3) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
462	6010	60.0	LF Concrete Box Culvert (6x3) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
464	6003	214.0	LF Reinforced Concrete Pipe (Class III) (18 inch) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
464	6005	161.0	LF Reinforced Concrete Pipe (Class III) (24 inch) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
464	6032	34.0	LF Reinforced Concrete Pipe (Arch)(Class III)(Design 3) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
464	6033	381.0	LF Reinforced Concrete Pipe (Arch)(Class III)(Design 4) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
466	6063	2.0	EA Headwall (Concrete Headwall - Flared wing - 0 Degree Skew) (Design 4) complete in place, the sum of _____ Dollars and _____ Cents per Each		

Addendum #3

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
467	6159	2.0	EA Safety End Treatment (Type I)(S=4 feet)(HW = 7 feet)(6:1) (Precast) complete in place, the sum of _____ Dollars and _____ Cents per Each		
467	6192	2.0	EA Safety End Treatment (Type I)(S=5 feet)(HW = 7 feet)(6:1) (Precast) complete in place, the sum of _____ Dollars and _____ Cents per Each		
467	6229	2.0	EA Safety End Treatment (Type I)(S=6 feet)(HW = 7 feet)(6:1) (Precast) complete in place, the sum of _____ Dollars and _____ Cents per Each		
467	6363	14.0	EA Safety End Treatment (Type II) (18 inch) (Reinforced Concrete Pipe) (6:1) (Precast) complete in place, the sum of _____ Dollars and _____ Cents per Each		
467	6395	4.0	EA Safety End Treatment (Type II) (24 inch) (Reinforced Concrete Pipe) (6:1) (Precast) complete in place, the sum of _____ Dollars and _____ Cents per Each		
467	6545	2.0	EA Safety End Treatment (Type II) (Design 3) (Reinforced Concrete Pipe) (6:1) (Precast) complete in place, the sum of _____ Dollars and _____ Cents per Each		
467	6555	6.0	EA Safety End Treatment (Type II) (Design 4) (Reinforced Concrete Pipe) (6:1) (Precast) complete in place, the sum of _____ Dollars and _____ Cents per Each		
506	6000	1.0	LS Storm Water Pollution Prevention Plan Permitting complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
506	6001	272.7	LF Rock Filter Dams (Install) (Type I) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
506	6011	272.7	LF Rock Filter Dams (Remove) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		

Addendum #3

Item No.		Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
506	6022	356.0	SY	Construction Exits (Install) (Type 3) complete in place, the sum of _____ Dollars and _____ Cents per Square Yard		
506	6024	356.0	SY	Construction Exits (Remove) complete in place, the sum of _____ Dollars and _____ Cents per Square Yard		
506	6038	9507.9	LF	Temporary Sediment Control Fence (Install) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
506	6039	9507.9	LF	Temporary Sediment Control Fence (Remove) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
529	6004	317.3	LF	Concrete Curb (Monolithic) (Type I) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
529	6005	56.0	LF	Concrete Curb (Monolithic) (Type II) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
530	6004	872.5	SY	Driveways (Concrete) complete in place, the sum of _____ Dollars and _____ Cents per Square Yard		
530	6017	100.0	CY	Driveways (Concrete)(High Early Strengt)(6 inch)(4000 psi) complete in place, the sum of _____ Dollars and _____ Cents per Cubic Yard		
536	6004	199.9	SY	Concrete Directional Island complete in place, the sum of _____ Dollars and _____ Cents per Square Yard		
550	6001	93.5	LF	Chain Link Fence (Install)(6 feet) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		

Addendum #3

Item No.		Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
550	6003	70.8	LF	Chain Link Fence (Remove)(6 feet) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
550	6006	1.0	EA	Gate Remove complete in place, the sum of _____ Dollars and _____ Cents per Each		
552	6005	1.0	EA	Gate (Type I) complete in place, the sum of _____ Dollars and _____ Cents per Each		
560	6011	3.0	EA	Mailbox Install-Single (Thin Walled White-Post) Type 4 complete in place, the sum of _____ Dollars and _____ Cents per Each		
1001	6006	1.0	LS	Landscaping Architectural Features Relocation/Replacement complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
1004	6001	1.0	LS	Tree Protection complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
1004	6002	1.0	EA	Certified Arborist Root Pruning complete in place, the sum of _____ Dollars and _____ Cents per Each		
644	6060	28.0	EA	Install Small Road Sign Support & Assembly Type (Thin-walled Tubing-Post) (1) Wedge Anchor Steel (Prefabricated) complete in place, the sum of _____ Dollars and _____ Cents per Each		
644	6076	10.0	EA	Remove Small Road Sign Support and Assembly complete in place, the sum of _____ Dollars and _____ Cents per Each		
666	6002	74.1	LF	Reflective Pavement Markings Type I (White) 4 inch (Break)(090 MIL) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		

Addendum #3

Addendum #1

Item No.		Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
6001	6001	1.0	LS	Portable Changeable Message Sign complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
6000	6153	1.0	EA	Replace Access Hole Cover complete in place, the sum of _____ Dollars and _____ Cents per Each		
6295	6001	1.0	EA	Decorative Lighting Assembly complete in place, the sum of _____ Dollars and _____ Cents per Each		
7049	6004	45.0	LF	Water Main Pipe (PVC) (6 inch) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
7049	6087	2.0	EA	Tapping Sleeve and Valve (12 inch x 6 inch) complete in place, the sum of _____ Dollars and _____ Cents per Each		
7049	6122	3.0	EA	Adjusting Meter Box complete in place, the sum of _____ Dollars and _____ Cents per Each		
7049	6161	2.0	EA	Remove and Relocate Fire Hydrant complete in place, the sum of _____ Dollars and _____ Cents per Each		
7126	6007	1.0	EA	Adjusting and/or Relocated Water Meter Box complete in place, the sum of _____ Dollars and _____ Cents per Each		

Addendum #3

Item No.		Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
467	6363	20	EA	Safety End Treatment (Type II) (18 inch) (Reinforced Concrete Pipe) (6:1) (Precast) complete in place, the sum of _____ Dollars and _____ Cents per Each		
506	6000	1	LS	Storm Water Pollution Prevention Plan Permitting complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
506	6001	229	LF	Rock Filter Dams (Install) (Type I) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
506	6011	229	LF	Rock Filter Dams (Remove) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
506	6022	356	SY	Construction Exits (Install) (Type 3) complete in place, the sum of _____ Dollars and _____ Cents per Square Yard		
506	6024	356	SY	Construction Exits (Remove) complete in place, the sum of _____ Dollars and _____ Cents per Square Yard		
506	6038	4604	LF	Temporary Sediment Control Fence (Install) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
506	6039	4604	LF	Temporary Sediment Control Fence (Remove) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
529	6005	1471	LF	Concrete Curb (Monolithic) (Type II) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		

Addendum #3

Item No.		Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
530	6004	1095	SY	Driveways (Concrete) complete in place, the sum of _____ Dollars and _____ Cents per Square Yard		
530	6017	100	CY	Driveways (Concrete)(High Early Strength)(6 inch)(4000 psi) complete in place, the sum of _____ Dollars and _____ Cents per Cubic Yard		
533	6002	2254	LF	Rumble Strips (Centerline) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
533	6005	4791	LF	Rumble Strips (Shoulder) Concrete complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
550	6003	41	LF	Chain Link Fence (Remove) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
550	6026	41	LF	Chain Link Fence (Install) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
560	6011	6	EA	Mailbox Install-Single (Thin Walled White-Post) Type 4 complete in place, the sum of _____ Dollars and _____ Cents per Each		
644	6060	34	EA	Install Small Road Sign Support & Assembly Type (Thin-walled Tubing-Post) (1) Wedge Anchor Steel (Prefabricated) complete in place, the sum of _____ Dollars and _____ Cents per Each		
644	6076	18	EA	Remove Small Road Sign Support and Assembly complete in place, the sum of _____ Dollars and _____ Cents per Each		
666	6011	10461	LF	Reflective Pavement Markings Type I (White) 4 inch (Solid)(090 MIL) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		

Addendum #3

Addendum #1

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
666	6125	10520	LF Reflective Pavement Markings Type I (Yellow) 4 inch (Solid)(090 MIL) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
					Addendum #1
666	6224	20981	LF Pavement Sealer 4 inch complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
					Addendum #1
672	6009	164	EA Raised Pavement Markers Type II-A-A complete in place, the sum of _____ Dollars and _____ Cents per Each		
672	6010	6	EA Raised Pavement Markers Type II-B-B complete in place, the sum of _____ Dollars and _____ Cents per Each		
677	6001	1556	LF Eliminate Existing Pavement Markings & Markers (4 inch) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
678	6001	20981	LF Pavement Surface Preparation for Markings (4-inch) complete in place, the sum of _____ Dollars and _____ Cents per Linear Feet		
678	6033	164	EA Pavement Surface Preparation for Markings (Raised Pavement Markers) complete in place, the sum of _____ Dollars and _____ Cents per Each		
1004	6001	1	LS Tree Protection complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
1004	6002	1	LSA Cirtified Arborist Root Pruning complete in place, the sum of _____ Five Thousand Dollars and _____ Zero Cents per Lump Sum Allowance	\$ 5,000.00	\$ 5,000.00
					Addendum #3
500	6001	1	LS Mobilization complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
502	6001	1	LS Barricades, Signs and Traffic Handling complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
510	6001	1	LS One-Way Traffic Control (Flagger Control) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
512	6001	1	LS Portable Concrete Traffic Barrier (Furnish & Install) (Single Slope) (Type I) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
512	6025	1	LS Portable Concrete Traffic Barrier (Move) (Single Slope) (Type I) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
512	6049	1	LS Portable Concrete Traffic Barrier (Remove) (Single Slope) (Type I) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
560	6011	1	LS Mailbox Install - Single (Thin Walled White-Post) Type 4 complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
662	6063	1	LS Work Zone Pavement Markings Remove (White) 4 inch (Solid) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
662	6095	1	LS Work Zone Pavement Markings Remove (Yellow) 4 inch (Solid) complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
6001	6001	1	LS Portable Changeable Message Sign complete in place, the sum of _____ Dollars and _____ Cents per Lump Sum		
SUBTOTAL BID AMOUNT - BASE:					

Addendum #3

Item No.		Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
662	6063	1	LS	Work Zone Pavement Markings Remove (White) 4 inch (Solid) complete in place, the sum of <hr/> Dollars and <hr/> Cents per Lump Sum		
662	6095	1	LS	Work Zone Pavement Markings Remove (Yellow) 4 inch (Solid) complete in place, the sum of <hr/> Dollars and <hr/> Cents per Lump Sum		
6001	6001	1	LS	Portable Changeable Message Sign) complete in place, the sum of <hr/> Dollars and <hr/> Cents per Lump Sum		
SUBTOTAL BID AMOUNT - ADD ALTERNATE 1:						
SUBTOTAL BID AMOUNT (ADD ALTERNATE 1 + BASE):						

Addendum #3

Item No.	Estimated	Unit	Description and Price in Words	Price in Figures	Extended Amount
118	4	Ea.	Remove & Replace Existing Sign complete in place, the sum of _____ _____ Dollars and _____ Cents per _____ Each		
					Addendum #3
119	1	L.S.	Relocate Existing Fire Hydrant and Valve complete in place, the sum of _____ _____ Dollars and _____ Cents per _____ Lump Sum		
120	1	L.S.	Relocate Existing Water Meter complete in place, the sum of _____ _____ Dollars and _____ Cents per _____ Lump Sum		
121	3	L.S.	Relocate Existing Water Vault complete in place, the sum of _____ _____ Dollars and _____ Cents per _____ Lump Sum		
					Addendum #3
122	2	L.S.	Remove & Re-Set Brick Mailbox complete in place, the sum of _____ _____ Dollars and _____ Cents per _____ Lump Sum		
123	3	Ea.	Remove & Re-Set Mailbox complete in place, the sum of _____ _____ Dollars and _____ Cents per _____ Each		
124	976	S.Y.	Furnish, Install, Maintain & Remove Type 'C' Temporary Asphalt Pavement complete in place, the sum of _____ _____ Dollars and _____ Cents per _____ Square Yard		
125	7280.7	S.Y.	Furnish & Install 6-Inch Thick 4000 psi Reinforced Concrete Pavement complete in place, the sum of _____ _____ Dollars and _____ Cents per _____ Square Yard		
126	767.4	S.Y.	Furnish & Install 6-Inch Thick 3600 psi Reinforced Concrete Driveway, complete in place, the sum of _____ _____ Dollars and _____ Cents per _____ Square Yard		
127	750	S.Y.	Furnish & Install 6-Inch Thick 4000 psi High Early Strength Reinforced complete in place, the sum of _____ _____ Dollars		

Item No.	Estimated	Unit	Description and Price in Words	Price in Figures	Extended Amount
137	1	Ea.	Furnish & Install 24-Inch Safety End Treatment complete in place, the sum of _____ _____ Dollars and _____ Cents per _____ Each		
138	2	Ea.	Furnish & Install 30-Inch Safety End Treatment complete in place, the sum of _____ _____ Dollars and _____ Cents per _____ Each		
139	2	Ea.	Furnish & Install 42-Inch Safety End Treatment complete in place, the sum of _____ _____ Dollars and _____ Cents per _____ Each		
140	1	Ea.	Furnish & Install 4'x4' Drop Inlet and Connect to Existing HDPE complete in place, the sum of _____ _____ Dollars and _____ Cents per _____ Each		
141	1	Ea.	Furnish & Install 18-Inch CH-FW-0 Reinforced Concrete Headwall complete in place, the sum of _____ _____ Dollars and _____ Cents per _____ Each		
142	553	S.Y.	Furnish & Install 12-Inch Thick Grouted Rock Rip-Rap complete in place, the sum of _____ _____ Dollars and _____ Cents per _____ Square Yard		
143	150	L.F.	Furnish & Install 10' x 6' Box Culverts complete in place, the sum of _____ _____ Dollars and _____ Cents per _____ Linear Foot		
144	2	EA.	Furnish & Install TxDOT Type PW Headwall complete in place, the sum of _____ _____ Dollars and _____ Cents per _____ Each		
145	1	EA.	Furnish & Install TxDOT Type CH-FW-O Headwall complete in place, the sum of _____ _____ Dollars and _____ Cents per _____ Each		

Addendum #3

Addendum #3

Item No.	Estimated	Unit	Description and Price in Words	Price in Figures	Extended Amount
146	60	L.F.	Lower Existing Waterline Including Cast Iron Fittings & Concrete Encasement complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		
					Addendum #3
147	10500	S.Y.	Furnish, Install & Maintain Hydromulch complete in place, the sum of _____ _____ Dollars and _____ Cents per Square Yard		
148	4500	S.Y.	Furnish, Install & Maintain Solid Block Sod complete in place, the sum of _____ _____ Dollars and _____ Cents per Square Yard		
149	1	L.S.	Furnish, Install, Maintain & Remove Erosion Control Devices complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		
150	1	L.S.	Furnish, Stormwater Pollution Prevention Plan (SW3P) complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		
151	1	L.S.	Furnish, Install, Maintain & Remove Traffic Control Devices complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		
152	1	L.S.	Furnish, Install, Maintain & Remove Changeable Message Signs complete in place, the sum of _____ _____ Dollars and _____ Cents per Each		
					Addendum #3
153	1	L.S.	Furnish Trench Safety Plan complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		
154	1	L.F.	Install & Implement Trench Safety Plan complete in place, the sum of _____ _____ Dollars and _____ Cents per Linear Foot		
155	5070	C.Y.	Unclassified Evacuation complete in place, the sum of _____ _____ Dollars and _____ Cents per Cubic Yard		
					Addendum #3
156	114	Tons	Furnish Hydrated Lime (27 lbs./SY) complete in place, the sum of _____ _____ Dollars and _____ Cents per Ton		
					Addendum #3
157	1	L.S.A.	Certified Arborist Root Pruning complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum Allowance	\$5,000.00	\$5,000.00
					Addendum #3
SUBTOTAL AMOUNT BID (Items 101 Through 154)					

BID ENDORSEMENT FOR ALTERNATIVE BID:

The Contractor hereby agrees to commence work within Ten (10) days after the date written notice to do so shall have been given to him, and to substantially complete the same within _____ calendar days after the date of the written notice to commence work subject to such extensions of time as are provided by the General and Special Conditions. The work proposed to be done shall be accepted when fully completed and finished in accordance with the plans and specifications.

In the event of the award of a contract to the undersigned, the undersigned will furnish a Performance Bond and Payment Bond for the full amount of the contract. The undersigned certifies that the bid prices contained in this proposal have been carefully checked and are submitted as correct and final.

NOTE: Unit and lump sum prices must be shown in words and figures for each item listed in the Schedule of Values and in the event of discrepancy the words shall control.

Receipt is hereby acknowledged for the following addenda to the bid and contract documents:

Addendum No. 1 dated _____	Received _____
Addendum No. 2 dated _____	Received _____
Addendum No. 3 dated _____	Received _____

The undersigned, in submitting this bid proposal and their endorsement of same, represents that they are authorized to obligate their firm, that they have read this entire bid proposal package, is aware of the covenants contained herein and will abide by and adhere to the expressed requirements. Submittals will be considered as being responsive only if entire Bid Package plus any/all attachments is returned with all blanks completed. **The price portion of the bid is not the only consideration in the award.**

#16-19 Blondy Jhune Base Bid

A - Total Amount Bid: \$ _____
Total Days Bid: _____
B - Total Days Value: \$ _____

#16-19 Blondy Jhune (Base + Add Alt 1)

A - Total Amount Bid: \$ _____
Total Days Bid: _____
B - Total Days Value: \$ _____

#15-19 Stinson

A - Total Amount Bid: \$ _____
Total Days Bid: _____
B - Total Days Value: \$ _____

#17-19 Winningkoff

A - Total Amount Bid: \$ _____
Total Days Bid: _____
B - Total Days Value: \$ _____

By: _____
 (please print name)

Signature: _____

Title: _____

Contractor: _____

Address: _____

City, County, State and Zip _____

Telephone: _____

Fax No.: _____

Email Address: _____

Seal and Authorization (if a Corporation)

SC.22 CLEANUP

The Contractor shall at all times keep the job site as free from all material, debris and rubbish as is practicable and shall remove same from any portion of the job site as construction of that portion is completed. No item of work will be considered complete for payment purposes until required cleanup has been performed.

Upon completion of the work, the Contractor shall remove from the site all plant, materials, tools and equipment belonging to him and leave the site with an acceptable appearance. The Contractor shall thoroughly clean all equipment and materials installed by him and shall deliver over such materials and equipment in a bright, clean, polished and new-appearing condition.

SC.23 GUARANTY AGAINST DEFECTIVE WORK

The Contractor shall indemnify the Owner against any repairs which may become necessary to any part of the work performed under the contract, arising from defective workmanship or materials used therein, for a period of two (2) years from the date of final acceptance of the work.

SC.24 TESTING AND QUALITY CONTROL

A. Testing Materials

Observation of the Contractor's work to determine compliance with the plans and specifications will include testing of material installed on the project. Testing of work performed and materials furnished shall be done by a commercial laboratory employed by the Contractor. The Contractor shall use only materials in the work which meet the requirements of the specifications. REMOVED

The Contractor shall furnish, at his own expense, all necessary specimens for testing of the materials and when requested, shall furnish a complete written statement of the origin, composition, and/or manufacturer of any or all materials that are to be used in the work. All materials not conforming to the requirements of the specifications will be rejected.

B. Quality Control

During the construction, the Contractor will retain the Engineering Testing Laboratory to perform services related to checking the quality of the work being performed by the Contractor to determine if the improvements are being constructed in accordance with the plans and specifications. THIS QUALITY CONTROL SERVICE DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY WITH REGARD TO CONSTRUCTING THE WORK IN ACCORDANCE WITH THE CONTRACT. If the Contractor fails to meet specified conditions on the first test, further tests to demonstrate compliance with the contract shall be at the expense of the Contractor.

THE CONTRACTOR SHALL GIVE THE ON-SITE REPRESENTATIVE OF THE OWNER SUFFICIENT NOTICE OF HIS INTENTION TO CONSTRUCT PORTLAND CEMENT CONCRETE PAVEMENT, STRUCTURAL CONCRETE, OR HOT MIX ASPHALTIC CONCRETE TO ASSURE THE ADEQUATE QUALITY CONTROL OF CONSTRUCTION MATERIALS AND WORKMANSHIP.

1. Contractor shall employ a certified testing Laboratory to perform density testing in accordance with TxDOT procedure tex-115-e. All test results shall be submitted to the engineer. Test locations shall be marked in the plans and submitted with the results.

2. Contractor shall employ a certified testing laboratory for concrete sampling and testing in accordance with astm c31-75 and astm c39-79 and temperature. One set of five (6in x 12in) concrete cylinders (test one at three, one at seven, and two at 28 days) for each day's production. If the two 28 days test fail to meet required strength, test the 5th cylinder at 48 days. Cost of concrete testing shall be included in concrete pour operations at no additional cost. All test results shall be submitted to the engineer. Test locations shall be marked in the plans and submitted with the results. Concrete shall be sampled at point of discharge and indicated as such on report.

3. All inspection and testing laboratories must be approved by the city prior to performing any work. Submit inspection and testing certifications a minimum of two weeks prior to beginning related work.

4. When air temperature is between 85 deg. F (30 deg. C) and 90 deg f (32 deg. C), reduce mixing and delivery time from 1 1/2 hours to 75 minutes, and when air temperature is above 90 deg. F (32 deg. C), reduce mixing and delivery time to 60 minutes. No admixture shall be permitted in the concrete mix without written approval by the architect/engineer. No water shall be added to the concrete mix at the job site.

C. Testing and Quality Control Services

Testing and Quality Control services shall include but are not limited to the following:

PLOTTED BY: JBoggess
 PLOT DATE: 1/29/2019
 LAST SAVED: 10:54:58 AM
 LOCATION: X:\18-112 Stinson Road\18112 Stinson Plan Set\roadway\GNTRD01.DGN

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES, NOVEMBER 2014 EDITION, REFERRED TO AS "THE STANDARD SPECIFICATIONS".
2. IN THE EVENT AN ITEM IS NOT COVERED WITHIN THESE PLANS AND SPECIFICATIONS, THE TXDOT STANDARD SPECIFICATIONS SHALL APPLY.
3. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS BEFORE ANY WORK MAY BEGIN. ALL PERMIT FEES SHALL BE CONSIDERED INCIDENTAL TO PAY ITEMS PROVIDED.
4. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION SCHEDULE UPDATE TO THE ENGINEER AND THE CONSTRUCTION INSPECTOR WITH THE MONTHLY PAY ESTIMATE.
5. THE CONTRACTOR WILL BE PAID ONLY FOR THE WORK WHICH IS COMPLETED IN STRICT CONFORMANCE TO THE PLANS AND CONSTRUCTION DETAILS.
6. FINAL PAYMENT TO CONTRACTOR SHALL BE RELEASED AFTER THE ACCEPTANCE OF THE FINAL INSPECTION BY AUTHORIZED PERSONNEL OF THE PUBLIC WORKS DEPARTMENT.
7. THE CONTRACTOR SHALL CONTACT THE ENGINEER SHOULD ANY DISCREPANCIES BE FOUND IN THE CONSTRUCTION PLANS AND/OR THE SPECIAL PROVISIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL NOT BE COMPENSATED FOR ANY WORK NOT AUTHORIZED BY THE ENGINEER.
8. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY CONSTRUCTION STAKING BY A TEXAS REGISTERED PROFESSIONAL LAND SURVEYOR. WORK IS NOT PERMITTED OUTSIDE OF THE RIGHT OF WAY OR EASEMENTS WITHOUT PRIOR PERMISSION AND COORDINATION WITH THE CITY.
9. CONSTRUCTION OBSERVATION AND ADDITIONAL MATERIALS TESTING WILL BE PERFORMED BY REPRESENTATIVES OF THE OWNER, ENGINEER AND REVIEW AUTHORITIES AND AGENCIES. UNRESTRICTED ACCESS SHALL BE PROVIDED TO THESE REPRESENTATIVES AT ALL TIMES. THE CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING THE REQUIRED INSPECTIONS AND ALLOWING FOR THEM IN HIS SCHEDULE OF OPERATIONS. CONTRACTOR WILL NOT BE ALLOWED ANY ADDITIONAL CONTRACT DAYS OR COMPENSATION AS A RESULT OF HIS FAILURE TO ADEQUATELY PROVIDE FOR AUTHORIZED INSPECTIONS.
10. THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT AND THE ENGINEER TWO WORKING DAYS BEFORE STARTING WORK.
11. THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT AND THE ENGINEER TWO WORKING DAYS IN ADVANCE OF ANY CONCRETE PLACING OR ASPHALT LAYING OPERATION.
12. THE CONTRACTOR MUST FURNISH AT LEAST TWO PHONE NUMBERS WHERE RESPONSIBLE PERSONNEL CAN BE REACHED IN CASE OF EMERGENCY DURING WORKING AND NONWORKING HOURS. IF THERE ARE ANY CHANGES, THE INFORMATION MUST BE UPDATED IMMEDIATELY FOR THE DURATION OF THE PROJECT.
13. IF CULTURAL RESOURCES (ARCHAEOLOGICAL FINDINGS UNEARTHED) ARE LOCATED DURING CONSTRUCTION, WORK SHALL STOP IMMEDIATELY IN THAT AREA. IMMEDIATELY NOTIFY THE ENGINEER.
14. THE ENGINEER/INSPECTOR WILL NOT SUPERVISE, DIRECT OR HAVE CONTROL OVER THE CONTRACTOR'S WORK; NOR WILL THE ENGINEER/INSPECTOR HAVE AUTHORITY OVER OR BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION; FOR THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENT TO THE WORK OF CONTRACTOR; OR FOR ANY FAILURE OF CONTRACTOR TO COMPLY WITH LAWS, RULES, REGULATIONS, ORDINANCES, CODES OR ORDERS APPLICABLE TO CONTRACTOR FURNISHING AND PERFORMING THE WORK.
15. THE CONTRACTOR SHALL PROTECT AND BE RESPONSIBLE FOR RESETTING OR ESTABLISHING NEW BENCHMARKS AFFECTED BY THE CONSTRUCTION (NO SEPARATE PAY ITEM).
16. ALL CONCRETE SHALL BE IN COMPLIANCE WITH THE SPECIFIED CLASSES OF CONCRETE PER TXDOT SPECIFICATIONS.
17. CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS OF TXDOT ITEM 360, CONCRETE PAVEMENT.
18. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE COMPLETE CONCRETE MIX (BATCH) DESIGN AT THE PRE- CONSTRUCTION CONFERENCE AND/OR AT LEAST TEN WORKING DAYS PRIOR TO THE START OF ANY CONCRETE PLACING OPERATIONS. VOLUMETRIC CONCRETE IS NOT APPROVED FOR THIS PROJECT.
19. CONTRACTOR SHALL SUBMIT PAVING CONSTRUCTION PLAN AS DESCRIBED IN TXDOT ITEM 360, CONCRETE PAVEMENT.
20. CONTRACTOR SHALL EMPLOY A CERTIFIED TESTING LABORATORY TO PERFORM DENSITY TESTING IN ACCORDANCE WITH TXDOT PROCEDURE TEX-115-E.
21. CONTRACTOR SHALL EMPLOY A CERTIFIED TESTING LABORATORY FOR CONCRETE SAMPLING AND TESTING IN ACCORDANCE WITH ASTM C31-18 AND ASTM C39-18 AND TEMPERATURE. ONE SET OF FIVE (6IN X 12IN) CONCRETE CYLINDERS (TEST 1@3, 1@7, 2@28 DAYS) FOR EACH DAY'S PRODUCTION. IF THE TWO 28 DAYS TEST FAIL TO MEET REQUIRED STRENGTH, TEST THE 5TH CYLINDER AT 48 DAYS. COST OF CONCRETE TESTING SHALL BE INCLUDED IN CONCRETE POUR OPERATIONS AT NO ADDITIONAL COST. ALL TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER. TEST LOCATIONS SHALL BE MARKED IN THE PLANS AND SUBMITTED WITH THE RESULTS. CONCRETE SHALL BE SAMPLED AT POINT OF DISCHARGE AND INDICATED AS SUCH ON REPORT. **CONCRETE SHALL HAVE AIR ENTRAINMENT OF 3-6%.**
22. CONTRACTOR SHALL EMPLOY A CERTIFIED TESTING SUBCONSULTANT TO PERFORM PRESSURE TESTING REQUIRED ON ALL WATERWORKS.
23. ALL INSPECTION AND TESTING LABORATORIES MUST BE APPROVED BY THE CITY PRIOR TO PERFORMING ANY WORK. SUBMIT INSPECTION AND TESTING CERTIFICATIONS A MINIMUM OF TWO WEEKS PRIOR TO BEGINNING RELATED WORK.
24. WHEN AIR TEMPERATURE IS BETWEEN 85 DEG. F (30 DEG. C) AND 90 DEG F (32 DEG. C), REDUCE MIXING AND DELIVERY TIME FROM 1 1/2 HOURS TO 75 MINUTES, AND WHEN AIR TEMPERATURE IS ABOVE 90 DEG. F (32 DEG. C), REDUCE MIXING AND DELIVERY TIME TO 60 MINUTES. NO ADMIXTURE SHALL BE PERMITTED IN THE CONCRETE MIX WITHOUT WRITTEN APPROVAL BY THE ARCHITECT/ENGINEER. NO WATER SHALL BE ADDED TO THE CONCRETE MIX AT THE JOB SITE.
25. CONCRETE WASHOUT WILL NOT BE PERMITTED ON SITE AND MUST BE CONDUCTED AT A FACILITY DESIGNATED FOR SUCH PURPOSES.
26. ALL REINFORCING STEEL AND DOWEL BARS IN PAVEMENT SHALL BE SUPPORTED AND MAINTAINED AT THE CORRECT CLEARANCES BY THE USE OF BAR CHAIRS OR OTHER APPROVED SUPPORT.
27. THE USE OF WOOD FORMS FOR PAVEMENT CONSTRUCTION WILL BE PERMITTED ONLY FOR LEAVE-OUTS, ALLEYS, SIDEWALKS, DRIVEWAYS, BARRIER FREE RAMPS AND INTERSECTIONS. WOOD FORMS MAY BE PERMITTED FOR OTHER USES, BUT ONLY ON A CASE-BY-CASE BASIS, AND MUST BE EXPLICITLY AUTHORIZED BY THE ENGINEER.
28. DRIVEWAY APPROACHES DAMAGED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED TO MATCH THE EXISTING CONDITIONS, AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE CITY OF LUCAS. DRAINAGE PIPE UNDER DRIVEWAY APPROACHES DAMAGED BY THE CONTRACTOR SHALL BE REPLACED OR REPAIRED TO EQUAL OR BETTER THAN EXISTING CONDITION, AT THE CONTRACTOR'S EXPENSE.
29. THE CONTRACTOR SHALL PROTECT ALL EXISTING FENCES (TO REMAIN). ANY DAMAGES DUE TO CONTRACTOR'S ACTION SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE CITY.
30. THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY THE CONSTRUCTION TO THE ORIGINAL CONDITION OR BETTER. RESTORED AREAS INCLUDE BUT NOT LIMITED TO TRENCH BACKFILL, SIDE SLOPES, FENCES, IRRIGATION SYSTEMS, DRIVEWAYS, PRIVATE YARDS, SIGNS AND ROADWAYS.
31. DISTURBED AREAS SHALL BE HYDRO MULCHED, WATERED & ESTABLISHED. DISTURBED CHANNEL SIDE SLOPES SHALL BE RESTORED WITH SOLID BLOCK SOD, WATERED, FERTILIZED & ESTABLISHED. THE ESTABLISHMENT OF GRASS IN DISTURBED AREAS SHALL BE DETERMINED BY THE CITY.
32. THE CONTRACTOR SHALL NOT PLACE FILL OR WASTE MATERIAL ON ANY PRIVATE PROPERTY WITHOUT A WRITTEN AGREEMENT WITH THE PROPERTY OWNER AND APPROVAL BY CITY. A COPY OF THIS AGREEMENT SHALL BE PROVIDED TO THE CITY. LETTERS OF FINAL APPROVAL AND RELEASE FROM THE AFFECTED PROPERTY OWNER(S) MUST BE SUBMITTED TO THE CITY BEFORE FINAL PAYMENT WILL BE AUTHORIZED ON THIS PROJECT.
33. NO EXCESS EXCAVATED MATERIAL SHALL BE DEPOSITED IN LOW AREAS OR ALONG ANY NATURAL DRAINAGE WAY, WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. IF THE CONTRACTOR PLACES EXCESS MATERIAL IN AREAS WITHOUT WRITTEN PERMISSION, HE WILL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM SUCH FILL AND HE SHALL REMOVE THE MATERIAL AT HIS OWN COST IF THE CITY SO DIRECTS.
34. THE CONTRACTOR SHALL PROTECT THE EXISTING TREES, BUSHES, LANDSCAPING PLANTS, SPRINKLERS, AND LAWNS UNLESS SHOWN OTHERWISE ON THE CONSTRUCTION DRAWINGS. ANY DAMAGE TO THE EXISTING TREES, BUSHES, LANDSCAPING PLANTS, SPRINKLERS, AND LAWNS CAUSED BY THE CONSTRUCTION SHALL BE REPLACED TO THE SATISFACTION OF THE PROPERTY OWNER AND THE CITY AT THE CONTRACTOR'S SOLE EXPENSE.
35. THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND IRRIGATION SYSTEMS. ADJUSTMENT OR RELOCATION OF IRRIGATION SYSTEM SHALL BE INSTALLED BY AN IRRIGATOR LICENSED IN THE STATE OF TEXAS AND, IF REQUIRED, SHALL BE INCIDENTAL TO RIGHT OF WAY PREPARATION.
36. NO TREES SHALL BE CUT EXCEPT ON SPECIFIC AUTHORITY OF THE ENGINEER. TREES 6-INCH OR LESS IN DIAMETER ARE SUBSIDIARY TO PROJECT (NO SEPARATE PAY ITEM).
37. SHOULD ANY TREE ROOTS BE FOUND IN CONFLICT WITH PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL HAVE A PROFESSIONAL ARBORIST PRUNE THE ROOTS TO PREVENT DAMAGE TO THE TREE. CONTRACTOR SHALL NOTIFY ENGINEER A LEAST 2 DAYS PRIOR TO ANY ROOT PRUNING ACTIVITIES.
38. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS, DRIVEWAYS AND SIDEWALKS ADJACENT TO THE PROJECT FREE OF MUD AND DEBRIS FROM THE CONSTRUCTION AT ALL TIMES.
39. MAIL BOXES WILL BE RESET AS DIRECTED IN THE PLANS OR BY THE ENGINEER. ALL MAIL BOXES TO BE REMOVED SHALL BE TEMPORARILY LOCATED AS TO NOT INTERRUPT MAIL SERVICE AND RESET AS SOON AS ALLOWED BY CONSTRUCTION ACTIVITIES. ALL MAIL BOXES DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED WITH MAILBOXES OF EQUAL OR BETTER QUALITY, AND OF A **IDENTICAL** STYLE TO THOSE BEING REPLACED.
40. ADJUSTMENT OF UNPAVED DRIVEWAYS BEHIND PROPERTY LINE AND RESTORATION OF THE SURFACE TO EQUAL OR BETTER THAN THE ORIGINAL IS INCIDENTAL WORK ON THIS PROJECT. CONTRACTOR MUST COORDINATE WITH THE ENGINEER AND PROPERTY OWNER PRIOR TO ACCESSING OR WORKING ON PRIVATE PROPERTY. HARMONIZATION IS INCIDENTAL TO THE RELATED WORK. NO ADDITIONAL PAYMENT WILL BE MADE.
41. EXISTING UTILITIES ARE SHOWN AT APPROXIMATE LOCATIONS AND DEPTHS BASED ON BEST AVAILABLE RECORDS AND LIMITED FIELD DATA. NOT ALL UTILITIES MAY BE SHOWN. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGES TO UTILITIES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
42. CALL 1-800-DIG-TESS (1-800-344-8377) AT LEAST TWO WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, SO THAT THE LOCATION OF UTILITIES CAN BE MARKED. IF NECESSARY, TEST DITCHES SHALL BE DUG TO VERIFY/DETERMINE ACTUAL FIELD LOCATIONS AND CONDITIONS. **LOCATION OF CITY UTILITIES TO BE PROVIDED BY THE CITY OF LUCAS.**
43. THE CONTRACTOR SHALL PROVIDE A TRENCH SAFETY PLAN. THIS DOCUMENT SHALL BE SUBMITTED TO THE CITY OF LUCAS AT THE PRE CONSTRUCTION CONFERENCE OR PRIOR TO THE START OF CONSTRUCTION.
44. ALL PAVEMENT MARKINGS, SIGN MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE LATEST ADDITIONS OF THE STANDARD HIGHWAY DEPARTMENT SIGN DESIGN FOR TEXAS, THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) UNLESS NOTED OTHERWISE.
45. SIGN LOCATIONS SHOWN ON THE PLANS ARE DIAGRAMMATIC. SIGNS SHALL BE PLACED IN CONFORMANCE WITH THE LATEST EDITION OF TMUTCD.
46. PAYMENT FOR EACH SIGN SHALL INCLUDE ALL MOUNTING HARDWARE, THE SIGN POLE AND WEDGE BASE SYSTEM. (TXDOT SMD (TWT)-08).
47. REFLECTORIZED PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, PER TXDOT STANDARD SPECIFICATIONS, ITEM 666. PAVEMENT MARKERS SHALL COMPLY WITH TXDOT STANDARD SPECIFICATIONS, ITEM 672.
48. ALL EXISTING SIGNS TEMPORARILY REMOVED BY THE CONTRACTOR SHALL BE PROTECTED FOR REINSTALLATION BY THE CONTRACTOR. ALL EXISTING SIGNS PERMANENTLY REMOVED SHALL BE SALVAGED.
49. **A MINIMUM OF 6% HYDRATED LIME BY DRY SOIL WEIGHT TO THE SPECIFIED DEPTH.**

REVISIONS	
DATE	DESCRIPTION
01/29/19	2 UPDATED/ADDED NOTES



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



STINSON ROAD IMPROVEMENTS
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

GENERAL NOTES

SHEET NO.
 10

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS: REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-TESS

ITEM-CODE			DESCRIPTION	UNIT	TOTAL	
ITEM NO.	DESC. CODE	SP NO			EST.	FINAL
100	6001		PREPARING ROW	AC		7
105	6011		REMOVING STAB BASE AND ASPH PAV (2"-6")	SY	12634	
110	6001		EXCAVATION (ROADWAY)	CY	5472	
132	6001		EMBANKMENT (FINAL)(ORDINARY COMPACTION)(TY A)	CY	2196	
134	6003		BACKFILLING (TYPE C)	STA	89	
160	6003		FURNISHING AND PLACING TOPSOIL (4")	SY	21893	
162	6002		BLOCK SODDING	SY	4333	
162	6004		MULCH SODDING	SY	15891	
166	6001		FERTILIZER	AC	4.523	
247	6449		FL BS (CIP)(TY D GR-1-2,3 OR 5)(FNL POS)	CY	30	
260	6079		LIME TREATED (SUBGRADE)(6")	SY	16763	
340	6011		D-GR HMA(SQ) TY-B PG64-22	TN	23	
344	6066		SUPERPAVE MIXTURES SP-C PG76-22 (OVERBUILD)	TN	45	
344	6138		SUPERPAVE MIXTURES SP-D PG76-22	TN	78	
354	6189		PLANE ASHP CONC PAV (1.25")	SY	1361	
360	6000		CONC PVMT (CONT REINF - CRCP) (6")	SY	14550	
431	6001		PNEUMATICALLY PLACED CONCRETE	CF	3813	
432	6058		BEDDING MATERIAL (VARIABLE)	CY	86	
462	6003		CONC BOX CULVERT (4X2)	LF	237	
462	6007		CONC BOX CULVERT (5X3)	LF	142	
462	6010		CONC BOX CULVERT (6X3)	LF	60	
464	6003		RC PIPE (CL III)(18 IN)	LF	214	
464	6005		RC PIPE (CL III)(24 IN)	LF	161	
464	6032		RC PIPE (ARCH)(CLASS III)(DES 3)	LF	34	
464	6033		RC PIPE (ARCH)(CLASS III)(DES 4)	LF	381	
466	6063		HEADWALL (CH-FW-A-0)(DES=4)	EA	2	
467	6159		SET (TY I) (S=4FT)(HW=7FT)(6: 1)(P)	EA	2	
467	6192		SET (TY I) (S=5FT)(HW=7FT)(6: 1)(P)	EA	2	
467	6229		SET (TY I) (S=6FT)(HW=7FT)(6: 1)(P)	EA	2	
467	6363		SET (TY II) (18 IN) (RCP) (6: 1) (P)	EA	14	
467	6395		SET (TY II) (24 IN) (RCP) (6: 1) (P)	EA	4	
467	6545		SET (TY II) (DES 3) (RCP) (6: 1) (P)	EA	2	
467	6555		SET (TY II) (DES 4) (RCP) (6: 1) (P)	EA	6	
506	6001		ROCK FILTER DAMS (INSTALL) (TY 1)	LF	273	
506	6011		ROCK FILTER DAMS (REMOVE)	LF	273	
506	6022		CONSTRUCTION EXITS (INSTALL) (TY 3)	SY	356	
506	6024		CONSTRUCTION EXITS (REMOVE)	SY	356	
506	6038		TEMP SEDMT CONT FENCE (INSTALL)	LF	9508	
506	6039		TEMP SEDMT CONT FENCE (REMOVE)	LF	9508	
529	6004		CONC CURB (MONO) (TY I)	LF	317	
529	6005		CONC CURB (MONO) (TY II)	LF	56	
530	6004		DRIVEWAYS (CONC)	SY	873	
530	6017		DRIVEWAYS (CONC)(HES)(6")(4000 PSI)	CY	100	
536	6004		CONCRETE DIRECTIONAL ISLAND	SY	200	
550	6001		CHAIN LINK FENCE (INSTALL) (6')	LF	93	
550	6003		CHAIN LINK FENCE (REMOVE)	LF	71	
550	6006		GATE REMOVE	EA	1	
552	6005		GATE (TYPE I)	EA	1	
560	6011		MAILBOX INSTALL-S (TWW-POST) TY 4	EA	3	
1001	6006		LANDSCAPING ARCHITECTURAL FEATURES			
			RELOCATION/REPLACEMENT	LS	1	
1004	6001		TREE PROTECTION	LS	1	

ITEM-CODE			DESCRIPTION	UNIT	TOTAL	
ITEM NO.	DESC. CODE	SP NO			EST.	FINAL
TRAFFIC CONTROL						
500	6001		MOBILIZATION	LS		1
502	6001		BARRICADES, SIGNS AND TRAFFIC HANDLING	LS		1
510	6001		ONE-WAY TRAF CONT (FLAGGER CONT)	LS		1
512	6001		PORT CTB (FUR & INST)(SGL SLOPE)(TY 1)	LS		1
512	6025		PORT CTB (MOVE)(SGL SLP)(TY 1)	LS		1
512	6049		PORT CTB (REMOVE)(SGL SLP)(TY 1)	LS		1
560	6011		MAILBOX INSTALL-S (TWW-POST) TY 4	LS		1
662	6063		WK ZN PAV MRK REMOV (W)4"(SLD)	LS		1
662	6095		WK ZN PAV MRK REMOV (Y)4"(SLD)	LS		1
6001	6001		PORTABLE CHANGEABLE MESSAGE SIGN	LS		1

ITEM-CODE			DESCRIPTION	UNIT	TOTAL	
ITEM NO.	DESC. CODE	SP NO			EST.	FINAL
SIGNING & PAVEMENT MARKINGS						
644	6060		IN SM RD SN SUP & AM TY TWT(1)WS(P)	EA		28
644	6076		REMOVE SM RD SN SUP & AM	EA		10
666	6002		REFL PAV MRK TY I (W) 4" (BRK)(090 MIL)	LF		74
666	6011		REFL PAV MRK TY I (W) 4" (SLD)(090 MIL)	LF		9429
666	6020		REFL PAV MRK TY I (W) 6" (SLD)(090 MIL)	LF		147
666	6053		REFL PAV MRK TY I (W) (ARROW)(090 MIL)	EA		3
666	6101		REFL PAV MRK TY I (W) 36" (YLD TRI)(090 MIL)	EA		12
666	6119		REFL PAV MRK TY I (Y) 4" (BRK)(090 MIL)	LF		2333
666	6125		REFL PAV MRK TY I (Y) 4" (SLD)(090 MIL)	LF		4260
666	6224		PAVEMENT SEALER 4"	LF		16096
666	6225		PAVEMENT SEALER 6"	LF		147
666	6231		PAVEMENT SEALER (ARROW)	EA		3
666	6243		PAVEMENT SEALER (YLD TRI)	EA		12
672	6009		REFL PAV MRKR TY II-A-A	EA		3570
672	6010		REFL PAV MRKR TY II-C-R	EA		7
678	6001		PAV SURF PREP FOR MRK (4")	LF		16096
678	6002		PAV SURF PREP FOR MRK (6")	LF		147
678	6009		PAV SURF PREP FOR MRK (ARROW)	EA		3
678	6023		PAV SURF PREP FOR MRK (36")(YLD TRI)	EA		12
678	6033		PAV SURF PREP FOR MRK (RPM)	EA		3574

ITEM-CODE			DESCRIPTION	UNIT	TOTAL	
ITEM NO.	DESC. CODE	SP NO			EST.	FINAL
UTILITIES						
6000	6153		REPLACE ACCESS HOLE COVER	EA		1
6295	6001		DECORATIVE LIGHTING ASSEMBLY	EA		1
7049	6004		WATER MAIN PIPE (PVC) (6IN)	LF		45
7049	6087		TAPPING SLEEVE AND VALVE (12IN X 6IN)	EA		2
7049	6122		ADJUSTING METER BOX	EA		3
7049	6161		REMOVE AND RELOCATE FIRE HYDRANT	EA		2
7126	6007		ADJUST AND/OR RELOCATE WATER METER BOX	EA		1
7128	6005		MULTI 3" CONDUITS AND CONDUCTORS (BORE	LF		48
7152	6021		CONNECT TO EXISTING WATER LINE	EA		2
7155	6051		ADJ EXST SAN SWR MNHL FNL GRADE	EA		1
7156	6006		ADJUST EXISTING FIRE HYDANT	EA		3
7164	6013		WTR GATE VALVE (6")	EA		2
7164	6019		ADJ EXT WTR VALVE BOX	EA		2
7167	6009		CUT AND PLUG EXIST WATER LINE (2"-12")	EA		2
7169	6006		6" GATE VALVE AND BOX	EA		3
7173	6022		ADJUST VALVE BOX TO GRADE	EA		14
7177	6003		RELOC EXIST METER & METER BOX	EA		2
7180	6010		CAP PIPE (6IN)	EA		2
7181	6024		RELOCATE FIRE HYDRANT	EA		2

PAY ITEM NOTES:

- COST FOR ALL TESTING AND SAMPLING REQUIRED PER THE STANDARD SPECIFICATION AND GENERAL NOTES IS TO BE INCLUDED IN THE RELATED PAY ITEMS.
- 431 6001 INCLUDES ALL MATERIAL AND LABOR REQUIRED FOR CONSTRUCTION OF ISOLATION JOINT CONNECTIONS BETWEEN CONCRETE DITCH LINING AND CONCRETE HEADWALLS.
- 506 6022 QUANTITY IS NOT A PLAN QUANTITY AND MAY BE INCREASED OR DECREASED BASED ON CONTRACTOR'S PHASING AND WORK ZONE. NO ADDITIONAL PAYMENT PROVIDED.
- 506 6024 INCLUDES REQUIRED INSPECTIONS WEEKLY AND AFTER RAIN EVENTS. NO EXTRA PAYMENT FOR REPAIRS TO EXISTING INSTALLATIONS.
- 506 6038 CONTRACTOR SHALL MATCH EXISTING FENCE TYPE, MATERIAL, CONSTRUCTION, AND HEIGHT WHERE REPLACING FENCING. NO ADDITIONAL PAYMENT FOR VARYING FENCE TYPES.
- 550 6008 EXISTING MAILBOXES TO BE RELOCATED SHALL BE PRESERVED AND INSTALLED OR REPLACED IN EQUAL OR BETTER CONDITION MATCHING MATERIAL TYPE, SIZE, AND COLOR. NO ADDITIONAL PAYMENT PROVIDED FOR VARYING MAILBOX TYPES.
- 672 6009 INCLUDES BLUE RPM'S AS SHOWN IN PLANS.
- 1004 6001 PROVIDE TREE PROTECTION ON ALL TREES TO REMAIN WITHIN 5 FT OF PROPOSED WORK OR WORK ZONE. LUMP SUM ITEM INCLUDES ALL TREES AS DESCRIBED AND DIRECTED BY THE ENGINEER.

2 6001 6001 INCLUDES ALL PCMS FOR THE DURATION OF THE PROJECT

PLOTTED BY: JBoggess
 PLOT DATE: 1/31/2019
 LAST SAVED: 10:22:08 AM
 LOCATION: X:\18-112 Stinson Road\18112 Stinson Plan Set\roadway\SUMQRD01 (REV 2).DGN

DATE	REVISIONS DESCRIPTION
01/18/19	1 BID ITEMS UPDATED
01/29/19	2 ADDED PAY ITEMS AND NOTE



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243

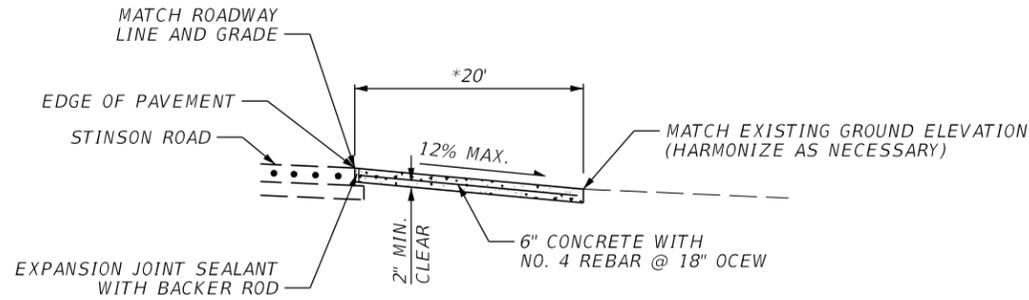


STINSON ROAD IMPROVEMENTS
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

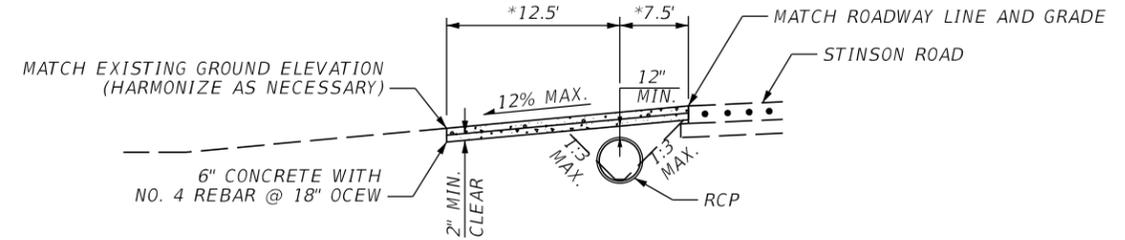
ESTIMATES AND SUMMARY OF QUANTITIES

SHEET NO.
11

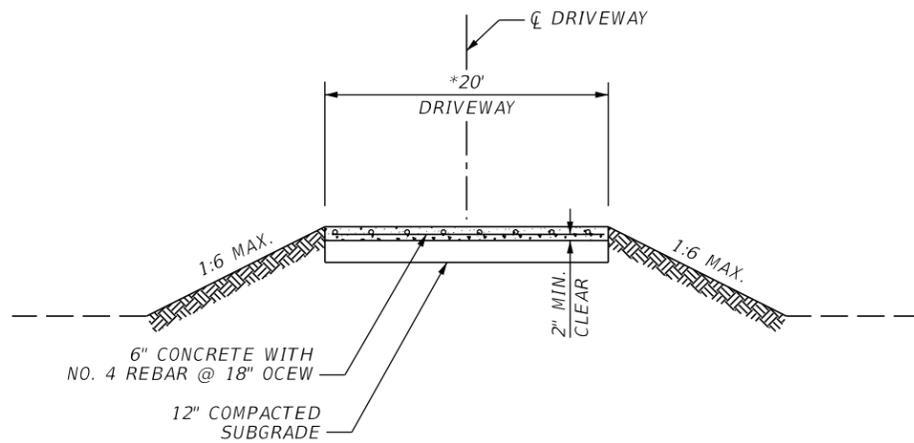
CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 1-800-DIG-TESS
 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL



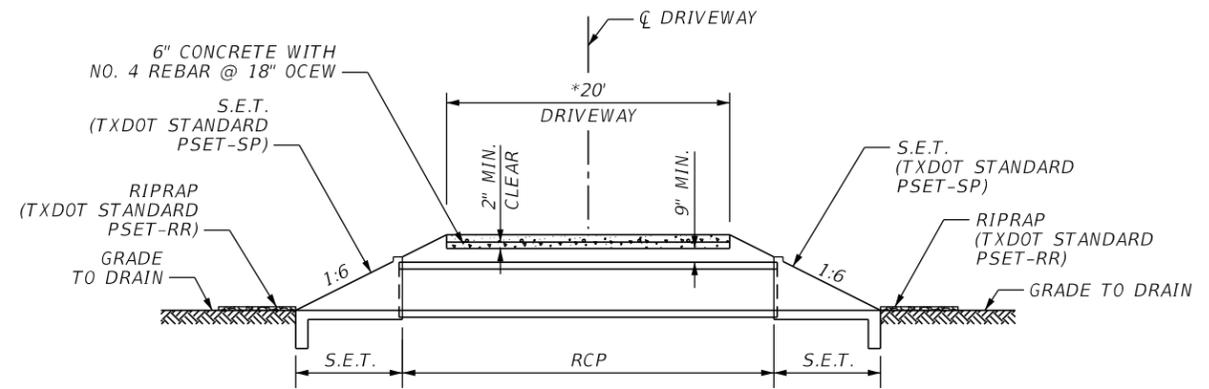
* DIMENSION MAY VARY AS SHOWN IN PLANS
DRIVEWAY TYPICAL PROFILE
 (WITHOUT SIDEDRAIN)



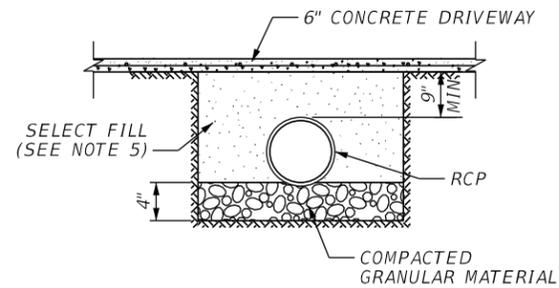
* DIMENSION MAY VARY AS SHOWN IN PLANS
DRIVEWAY TYPICAL PROFILE
 (WITH SIDEDRAIN)



* DIMENSION MAY VARY AS SHOWN IN PLANS
DRIVEWAY TYPICAL SECTION
 (WITHOUT SIDEDRAIN)



* DIMENSION MAY VARY AS SHOWN IN PLANS
DRIVEWAY TYPICAL SECTION
 (WITH SIDEDRAIN)



BACKFILL AND BEDDING DETAIL

NOTES:

- DRIVEWAY MAY BE EXTENDED BEYOND RIGHT OF WAY LINE AS REQUIRED TO MEET EXISTING GRADE. COORDINATE WITH PROPERTY OWNER AND CITY.
- EXACT LOCATIONS, DIMENSIONS, AND TYPE MAY BE FIELD MODIFIED WITH PRIOR APPROVAL FROM THE CITY.
- SIDE DRAINS TO BE INSTALLED WHERE ROADSIDE DITCH DRAINAGE IS PRESENT, AS INDICATED ON PLANS AND/OR AS DIRECTED BY THE ENGINEER.
- SIDE DRAINS TO BE INSTALLED WITH A MINIMUM OF 9" COVER, NOT INCLUDING CONCRETE DRIVEWAY THICKNESS.
- PLACE BACKFILL EQUALLY ALONG BOTH SIDES OF THE PIPE IN UNIFORM LIFTS (8 IN. MAX.). COMPACT EACH LIFT MECHANICALLY. THOROUGHLY COMPACT MATERIALS PLACED UNDER THE HAUNCHES OF THE PIPE TO PREVENT DAMAGE OR DISPLACEMENT OF THE PIPE. CONTINUE TO PLACE BACKFILL IN THIS MANNER TO THE TOP-OF-PIPE ELEVATION. PLACE AND COMPACT BACKFILL ABOVE THE TOP OF THE PIPE IN UNIFORM LIFTS (8 IN. MAX.).
- ALL SUBGRADE COMPACTION UNDER PAVEMENT SHALL BE 98% STANDARD PROCTOR DENSITY AT +2% OF OPTIMUM MOISTURE.
- FLOWABLE FILL SHALL BE PROVIDED IN LOCATIONS WHERE COMPACTION CANNOT BE ACHIEVED, SUCH AS BETWEEN HAUNCHES OF ADJACENT PIPES.

2. USE HIGH-EARLY STRENGTH 4,000 PSI CONCRETE AS DIRECTED BY THE ENGINEER.

PLOTTED BY: JBoggess
 PLOT DATE: 1/29/2019
 LAST SAVED: 12:47:24 PM
 LOCATION: X:\18-112 Stinson Road\18112 Stinson Plan Set\roadway\SPDRD01.DGN

DATE	REVISIONS DESCRIPTION
01/29/19	2 DRIVEWAY NOTE ADDED

LAKES ENGINEERING, INC.

CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243

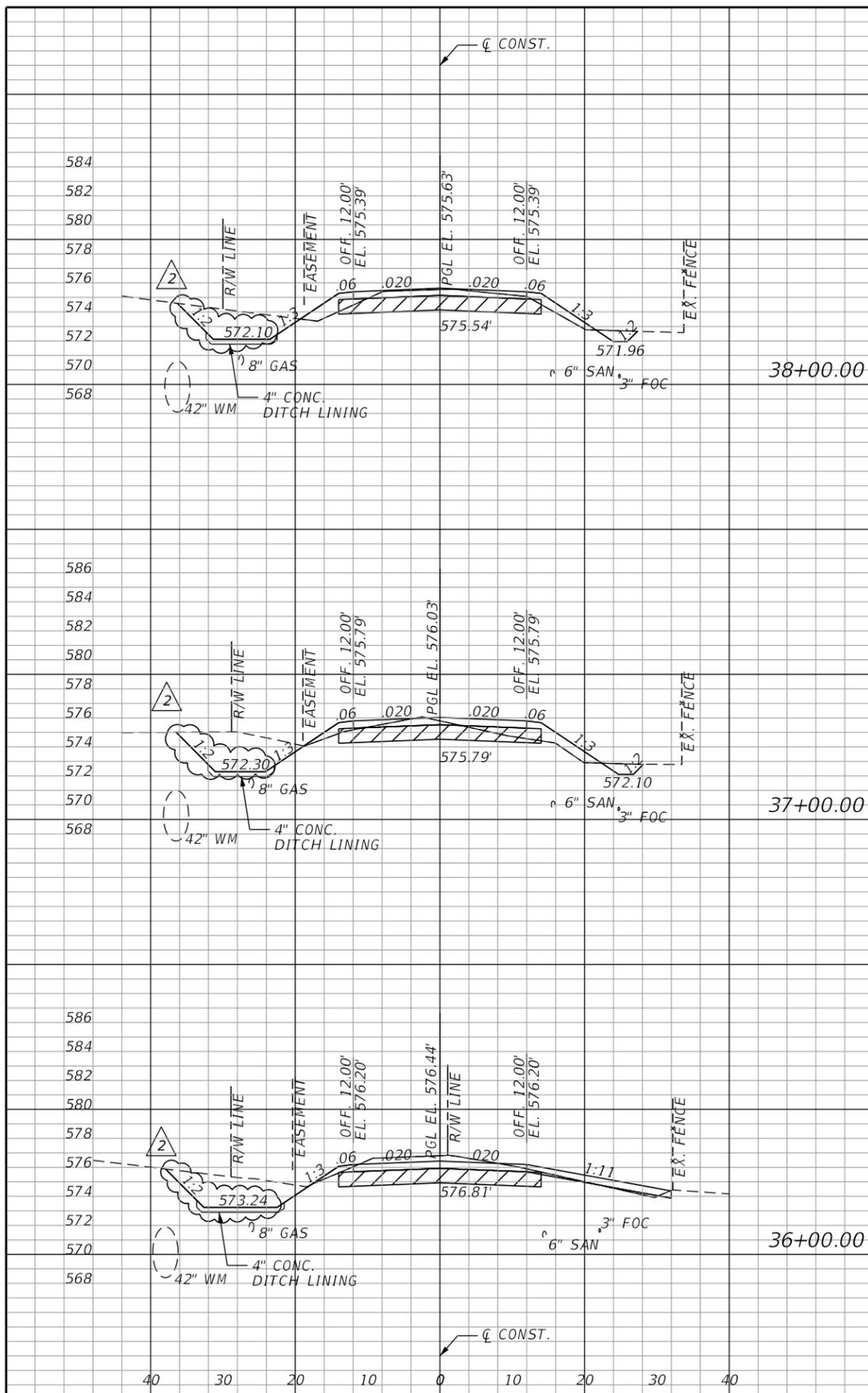


STINSON ROAD IMPROVEMENTS
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

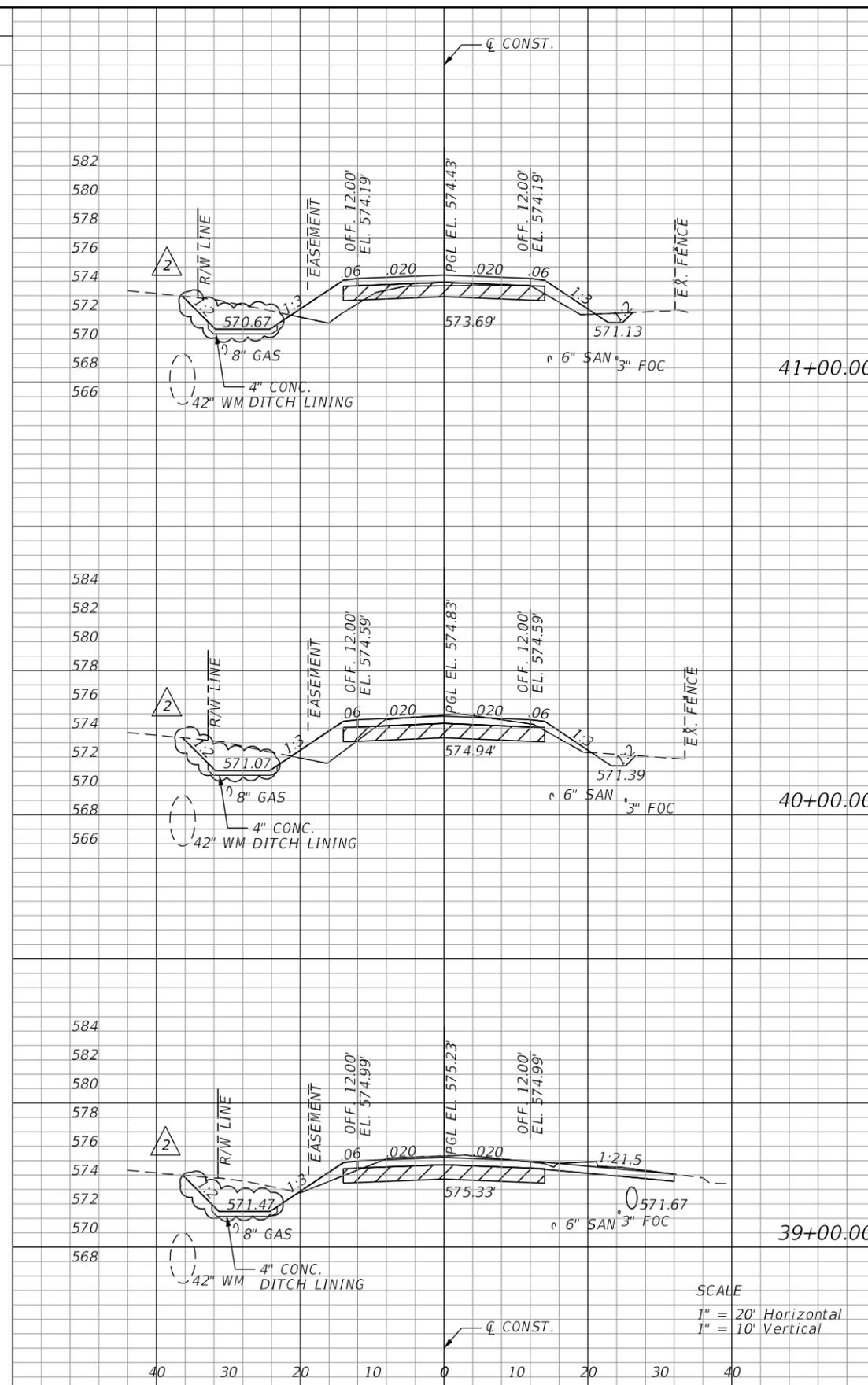
DRIVEWAY DETAILS

SHEET NO.
 23

CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 1-800-DIG-TESS
 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL



Regular Exc.		Embankment	
A	V	A	V
38.47	154.2	12.09	50.8
44.82	170.7	15.33	32.5
47.33	166.9	2.21	14.8



Regular Exc.		Embankment	
A	V	A	V
25.36	108.9	26.90	84.2
33.42	161.9	18.54	43
54.01	171.2	4.65	31

SCALE
 1" = 20' Horizontal
 1" = 10' Vertical

PLOTTED BY:
 DATE:
 LAST SAVED:
 LOCATION:

DATE	REVISIONS DESCRIPTION
01/29/19	2 REVISED DITCH LIMITS

LAKES ENGINEERING, INC.

CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243

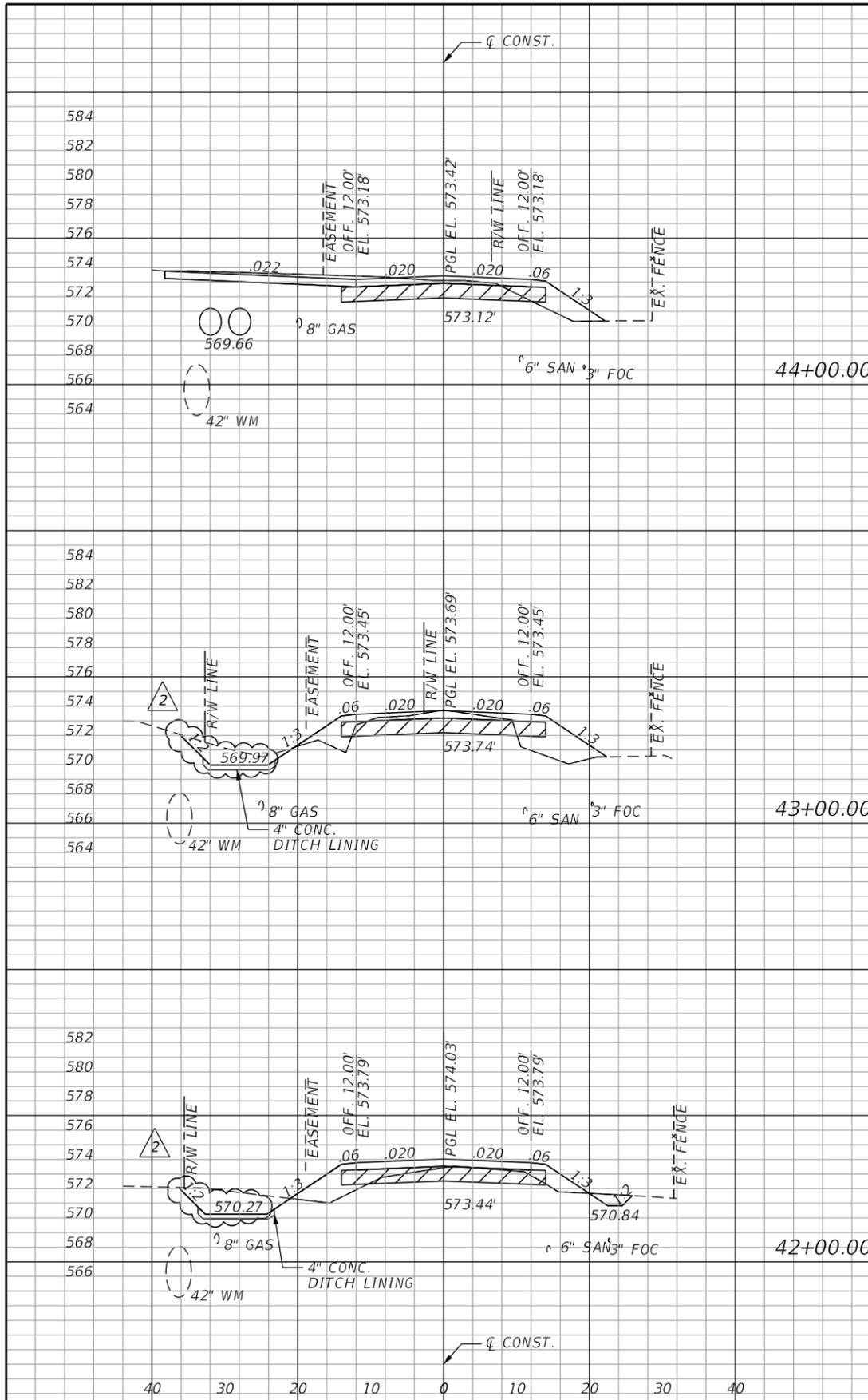


STINSON ROAD IMPROVEMENTS
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

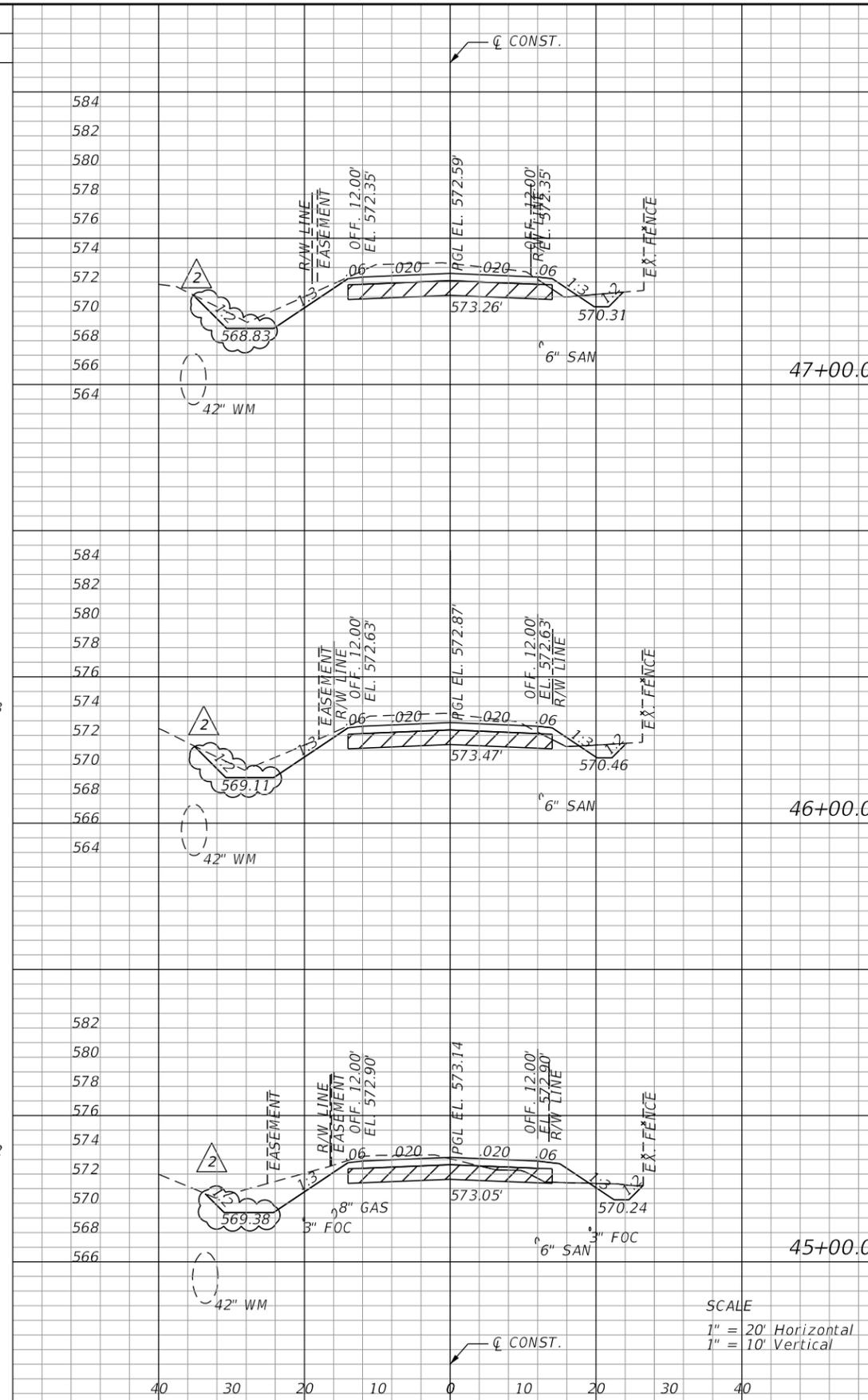
CROSS SECTIONS

SHEET NO.
 31

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL



Regular Exc.		Embankment	
A	V	A	V
23.96	82.8	14.90	86.6
20.76	78.7	31.84	110.3
21.74	87.2	27.74	101.2



Regular Exc.		Embankment	
A	V	A	V
53.56	200.4	2.75	10.9
54.63	180.2	3.15	21.7
42.69	106.6	8.57	43.5

SCALE
 1" = 20' Horizontal
 1" = 10' Vertical

PLOTTED BY:
 PLOT DATE:
 LAST SAVED:
 LOCATION:

REVISIONS	
DATE	DESCRIPTION
01/29/19	2 REVISED DITCH LIMITS



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243

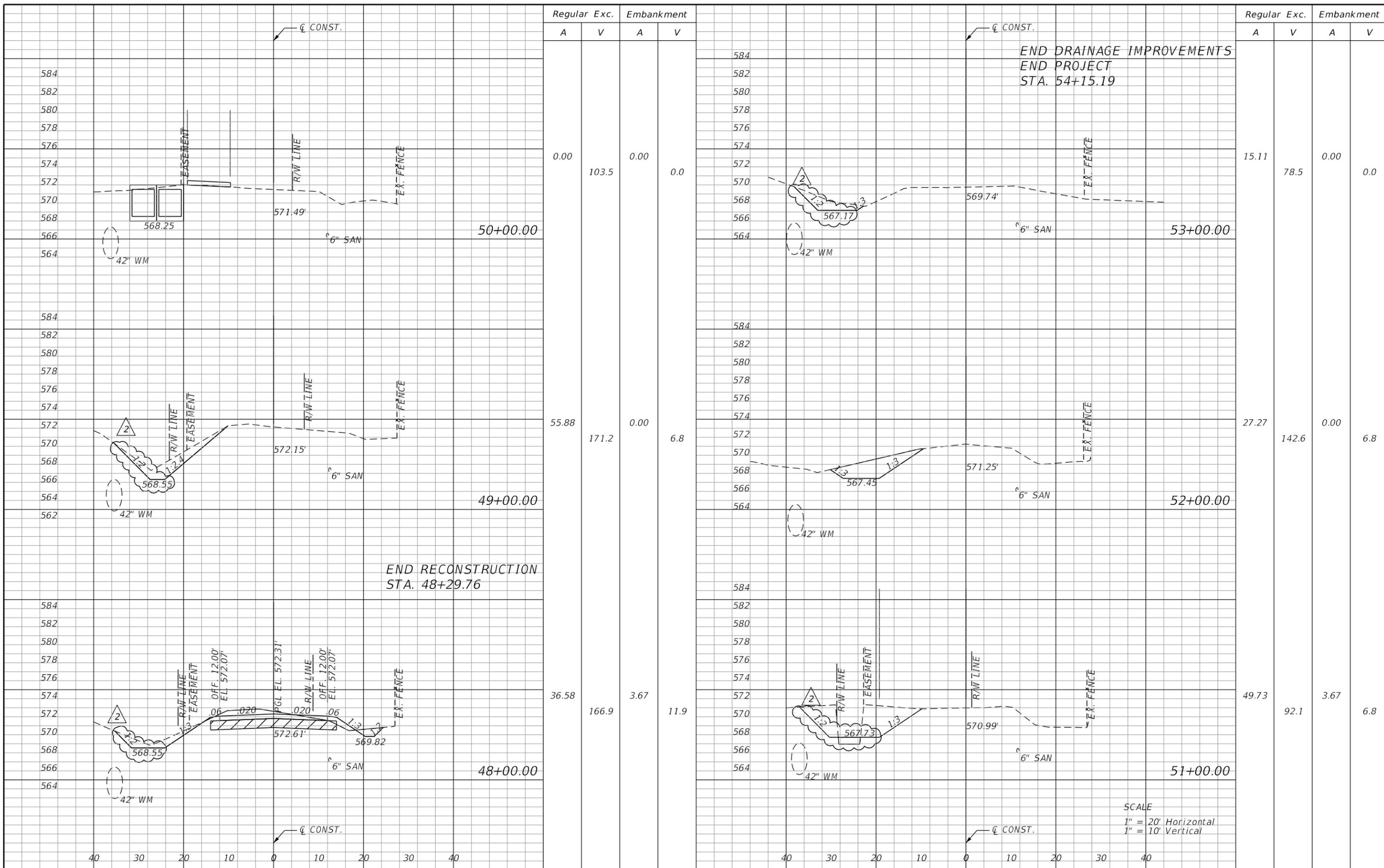


STINSON ROAD IMPROVEMENTS
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

CROSS SECTIONS

SHEET NO.
 32

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL



Regular Exc. Embankment

A V A V

Regular Exc. Embankment

A V A V

END DRAINAGE IMPROVEMENTS
END PROJECT
STA. 54+15.19

END RECONSTRUCTION
STA. 48+29.76

SCALE
1" = 20' Horizontal
1" = 10' Vertical

PLOTTED BY:
PLOT DATE:
LAST SAVED:
LOCATION:

REVISIONS	
DATE	DESCRIPTION
01/29/19	2 REVISED DITCH LIMITS



CHRISTOPHER P. MESZLER, P.E.
LIC. No. 112052
1903 CENTRAL DRIVE, SUITE #405
BEDFORD, TX 76021
PHONE: 817.618.3640
TBPE REG. F-15243



STINSON ROAD IMPROVEMENTS
CITY OF LUCAS
PUBLIC WORKS DEPARTMENT
665 COUNTRY CLUB ROAD
LUCAS, TX. 75002

CROSS SECTIONS

SHEET NO.
33

CALL BEFORE YOU DIG
TEXAS ONE CALL PARTICIPANTS REQUEST
48 HOURS NOTICE BEFORE YOU DIG, DRILL,
OR BLAST - STOP CALL

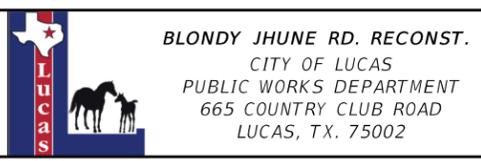
PLOTTED BY: JBoggess
 PLOT DATE: 1/29/2019
 LAST SAVED: 1:46:25 PM
 LOCATION: X:\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\3. Roadway\gntrd01(REV 2).DGN

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTIONS AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES, NOVEMBER 2014 EDITION, REFERRED TO AS "THE STANDARD SPECIFICATIONS".
2. IN THE EVENT AN ITEM IS NOT COVERED WITHIN THESE PLANS AND SPECIFICATIONS, THE TXDOT STANDARD SPECIFICATIONS SHALL APPLY.
3. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS BEFORE ANY WORK MAY BEGIN. ALL PERMIT FEES SHALL BE CONSIDERED INCIDENTAL TO PAY ITEMS PROVIDED.
4. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION SCHEDULE UPDATE TO THE ENGINEER AND THE CONSTRUCTION INSPECTOR WITH THE MONTHLY PAY ESTIMATE.
5. THE CONTRACTOR WILL BE PAID ONLY FOR THE WORK WHICH IS COMPLETED IN STRICT CONFORMANCE TO THE PLANS AND CONSTRUCTION DETAILS.
6. FINAL PAYMENT TO CONTRACTOR SHALL BE RELEASED AFTER THE ACCEPTANCE OF THE FINAL INSPECTION BY AUTHORIZED PERSONNEL OF THE PUBLIC WORKS DEPARTMENT.
7. THE CONTRACTOR SHALL CONTACT THE ENGINEER SHOULD ANY DISCREPANCIES BE FOUND IN THE CONSTRUCTION PLANS AND/OR THE SPECIAL PROVISIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL NOT BE COMPENSATED FOR ANY WORK NOT AUTHORIZED BY THE ENGINEER.
8. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY CONSTRUCTION STAKING BY A TEXAS REGISTERED LAND PROFESSIONAL LAND SURVEYOR. WORK IS NOT PERMITTED OUTSIDE OF THE RIGHT OF WAY OR EASEMENTS WITHOUT PRIOR PERMISSION AND COORDINATION WITH THE CITY.
9. CONSTRUCTION OBSERVATION AND ADDITIONAL MATERIALS TESTING WILL BE PERFORMED BY REPRESENTATIVES OF THE OWNER, ENGINEER AND REVIEW AUTHORITIES AND AGENCIES. UNRESTRICTED ACCESS SHALL BE PROVIDED TO THESE REPRESENTATIVES AT ALL TIMES. THE CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING THE REQUIRED INSPECTIONS AND ALLOWING FOR THEM IN HIS SCHEDULE OF OPERATIONS. CONTRACTOR WILL NOT BE ALLOWED ANY ADDITIONAL CONTRACT DAYS OR COMPENSATION AS A RESULT OF HIS FAILURE TO ADEQUATELY PROVIDE FOR AUTHORIZED INSPECTIONS.
10. THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT AND THE ENGINEER TWO WORKING DAYS BEFORE STARTING WORK.
11. THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT AND THE ENGINEER TWO WORKING DAYS IN ADVANCE OF ANY CONCRETE PLACING OR ASPHALT LAYING OPERATION.
12. THE CONTRACTOR MUST FURNISH AT LEAST TWO PHONE NUMBERS WHERE RESPONSIBLE PERSONNEL CAN BE REACHED IN CASE OF EMERGENCY DURING WORKING AND NONWORKING HOURS. IF THERE ARE ANY CHANGES, THE INFORMATION MUST BE UPDATED IMMEDIATELY FOR THE DURATION OF THE PROJECT.
13. IF CULTURAL RESOURCES (ARCHAEOLOGICAL FINDINGS UNEARTHED) ARE LOCATED DURING CONSTRUCTION, WORK SHALL STOP IMMEDIATELY IN THAT AREA. IMMEDIATELY NOTIFY THE ENGINEER.
14. THE ENGINEER/INSPECTOR WILL NOT SUPERVISE, DIRECT OR HAVE CONTROL OVER THE CONTRACTOR'S WORK; NOR WILL THE ENGINEER/INSPECTOR HAVE AUTHORITY OVER OR BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION; FOR THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENT TO THE WORK OF CONTRACTOR; OR FOR ANY FAILURE OF CONTRACTOR TO COMPLY WITH LAWS, RULES, REGULATIONS, ORDINANCES, CODES OR ORDERS APPLICABLE TO CONTRACTOR FURNISHING AND PERFORMING THE WORK.
15. THE CONTRACTOR SHALL PROTECT AND BE RESPONSIBLE FOR RESETTING OR ESTABLISHING NEW BENCHMARKS AFFECTED BY THE CONSTRUCTION (NO SEPARATE PAY ITEM).
16. ALL CONCRETE SHALL BE IN COMPLIANCE WITH THE SPECIFIED CLASSES OF CONCRETE PER TXDOT SPECIFICATIONS.
17. CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS OF TXDOT ITEM 360, CONCRETE PAVEMENT.
18. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE COMPLETE CONCRETE MIX (BATCH) DESIGN AT THE PRE- CONSTRUCTION CONFERENCE AND/OR AT LEAST TEN WORKING DAYS PRIOR TO THE START OF ANY CONCRETE PLACING OPERATIONS. VOLUMETRIC CONCRETE IS NOT APPROVED FOR THIS PROJECT.
19. CONTRACTOR SHALL SUBMIT PAVING CONSTRUCTION PLAN AS DESCRIBED IN TXDOT ITEM 360, CONCRETE PAVEMENT.
20. CONTRACTOR SHALL EMPLOY A CERTIFIED TESTING LABORATORY TO PERFORM DENSITY TESTING IN ACCORDANCE WITH TXDOT PROCEDURE TEX-115-E. ALL TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER. TEST LOCATIONS SHALL BE MARKED IN THE PLANS AND SUBMITTED WITH THE RESULTS. COST OF DENSITY TESTING SHALL BE INCLUDED IN THE COST OF BID ITEMS 132-6001, AND 260-6079.
21. CONTRACTOR SHALL EMPLOY A CERTIFIED TESTING LABORATORY FOR CONCRETE SAMPLING AND TESTING IN ACCORDANCE WITH ASTM C31-18b AND ASTM C39-18 AND TEMPERATURE. ONE SET OF FIVE (6IN X 12IN) CONCRETE CYLINDERS (TEST 1@3, 1@7, 2@28 DAYS) FOR EACH DAY'S PRODUCTION. IF THE TWO 28 DAYS TEST FAIL TO MEET REQUIRED STRENGTH, TEST THE 5TH CYLINDER AT 48 DAYS (COST OF CONCRETE TESTING SHALL BE INCLUDED IN CONCRETE POUR OPERATIONS AT NO ADDITIONAL COST. ALL TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER. TEST LOCATIONS SHALL BE MARKED IN THE PLANS AND SUBMITTED WITH THE RESULTS. CONCRETE SHALL BE SAMPLED AT POINT OF DISCHARGE AND INDICATED AS SUCH ON REPORT. CONCRETE SHALL HAVE AIR ENTRAINMENT OF 3-6%.
22. ALL INSPECTION AND TESTING LABORATORIES MUST BE APPROVED BY THE CITY PRIOR TO PERFORMING ANY WORK. SUBMIT INSPECTION AND TESTING CERTIFICATIONS A MINIMUM OF TWO WEEKS PRIOR TO BEGINNING RELATED WORK.
23. WHEN AIR TEMPERATURE IS BETWEEN 85 DEG. F (30 DEG. C) AND 90 DEG F (32 DEG. C), REDUCE MIXING AND DELIVERY TIME FROM 1 1/2 HOURS TO 75 MINUTES, AND WHEN AIR TEMPERATURE IS ABOVE 90 DEG. F (32 DEG. C), REDUCE MIXING AND DELIVERY TIME TO 60 MINUTES. NO ADMIXTURE SHALL BE PERMITTED IN THE CONCRETE MIX WITHOUT WRITTEN APPROVAL BY THE ARCHITECT/ENGINEER. NO WATER SHALL BE ADDED TO THE CONCRETE MIX AT THE JOB SITE.
24. CONCRETE WASHOUT WILL NOT BE PERMITTED ON SITE AND MUST BE CONDUCTED AT A FACILITY DESIGNATED FOR SUCH PURPOSES.
25. ALL REINFORCING STEEL AND DOWEL BARS IN PAVEMENT SHALL BE SUPPORTED AND MAINTAINED AT THE CORRECT CLEARANCES BY THE USE OF BAR CHAIRS OR OTHER APPROVED SUPPORT.
25. A MINIMUM OF 6% HYDRATED LIME BY DRY SOIL WEIGHT TO THE SPECIFIED DEPTH.
26. THE USE OF WOOD FORMS FOR PAVEMENT CONSTRUCTION WILL BE PERMITTED ONLY FOR LEAVE-OUTS, ALLEYS, SIDEWALKS, DRIVEWAYS, BARRIER FREE RAMPS AND INTERSECTIONS. WOOD FORMS MAY BE PERMITTED FOR OTHER USES, BUT ONLY ON A CASE-BY-CASE BASIS, AND MUST BE EXPLICITLY AUTHORIZED BY THE ENGINEER.
27. DRIVEWAY APPROACHES DAMAGED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED TO MATCH THE EXISTING CONDITIONS, AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE CITY OF LUCAS. DRAINAGE PIPE UNDER DRIVEWAY APPROACHES DAMAGED BY THE CONTRACTOR SHALL BE REPLACED OR REPAIRED TO EQUAL OR BETTER THAN EXISTING CONDITION, AT THE CONTRACTOR'S EXPENSE.
28. THE CONTRACTOR SHALL PROTECT ALL EXISTING FENCES (TO REMAIN). ANY DAMAGES DUE TO CONTRACTOR'S ACTION SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE CITY.
29. THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY THE CONSTRUCTION TO THE ORIGINAL CONDITION OR BETTER. RESTORED AREAS INCLUDE BUT NOT LIMITED TO TRENCH BACKFILL, SIDE SLOPES, FENCES, IRRIGATION SYSTEMS, DRIVEWAYS, PRIVATE YARDS, SIGNS AND ROADWAYS.
30. DISTURBED AREAS SHALL BE HYDRO MULCHED, WATERED & ESTABLISHED. DISTURBED CHANNEL SIDE SLOPES SHALL BE RESTORED WITH SOLID BLOCK SOD, WATERED, FERTILIZED & ESTABLISHED. THE ESTABLISHMENT OF GRASS IN DISTURBED AREAS SHALL BE DETERMINED BY THE CITY.
31. THE CONTRACTOR SHALL NOT PLACE FILL OR WASTE MATERIAL ON ANY PRIVATE PROPERTY WITHOUT A WRITTEN AGREEMENT WITH THE PROPERTY OWNER AND APPROVAL BY CITY. A COPY OF THIS AGREEMENT SHALL BE PROVIDED TO THE CITY. LETTERS OF FINAL APPROVAL AND RELEASE FROM THE AFFECTED PROPERTY OWNER(S) MUST BE SUBMITTED TO THE CITY BEFORE FINAL PAYMENT WILL BE AUTHORIZED ON THIS PROJECT.
32. NO EXCESS EXCAVATED MATERIAL SHALL BE DEPOSITED IN LOW AREAS OR ALONG ANY NATURAL DRAINAGE WAY, WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. IF THE CONTRACTOR PLACES EXCESS MATERIAL IN AREAS WITHOUT WRITTEN PERMISSION, HE WILL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM SUCH FILL AND HE SHALL REMOVE THE MATERIAL AT HIS OWN COST IF THE CITY SO DIRECTS.
33. THE CONTRACTOR SHALL PROTECT THE EXISTING TREES, BUSHES, LANDSCAPING PLANTS, SPRINKLERS, AND LAWNS UNLESS SHOWN OTHERWISE ON THE CONSTRUCTION DRAWINGS. ANY DAMAGE TO THE EXISTING TREES, BUSHES, LANDSCAPING PLANTS, SPRINKLERS, AND LAWNS CAUSED BY THE CONSTRUCTION SHALL BE REPLACED TO THE SATISFACTION OF THE PROPERTY OWNER AND THE CITY AT THE CONTRACTOR'S SOLE EXPENSE.
34. THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND IRRIGATION SYSTEMS. ADJUSTMENT OR RELOCATION OF IRRIGATION SYSTEM SHALL BE INSTALLED BY AN IRRIGATOR LICENSED IN THE STATE OF TEXAS AND, IF REQUIRED, SHALL BE INCIDENTAL TO RIGHT OF WAY PREPARATION.
35. NO TREES SHALL BE CUT EXCEPT ON SPECIFIC AUTHORITY OF THE ENGINEER. TREES 6-INCH OR LESS IN DIAMETER ARE SUBSIDIARY TO PROJECT (NO SEPARATE PAY ITEM).
36. SHOULD ANY TREE ROOTS BE FOUND IN CONFLICT WITH PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL HAVE A PROFESSIONAL ARBORIST PRUNE THE ROOTS TO PREVENT DAMAGE TO THE TREE. CONTRACTOR SHALL NOTIFY ENGINEER AT LEAST 2 DAYS PRIOR TO ANY ROOT PRUNING ACTIVITIES.
37. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS, DRIVEWAYS AND SIDEWALKS ADJACENT TO THE PROJECT FREE OF MUD AND DEBRIS FROM THE CONSTRUCTION AT ALL TIMES.
38. MAIL BOXES WILL BE RESET AS DIRECTED IN THE PLANS OR BY THE ENGINEER. ALL MAIL BOXES TO BE REMOVED SHALL BE TEMPORARILY LOCATED AS TO NOT INTERRUPT MAIL SERVICE AND RESET AS SOON AS ALLOWED BY CONSTRUCTION ACTIVITIES. ALL MAIL BOXES DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED WITH MAIL BOXES OF EQUAL OR BETTER QUALITY, AND OF A IDENTICAL STYLE TO THOSE BEING REPLACED.
39. ADJUSTMENT OF UNPAVED DRIVEWAYS BEHIND PROPERTY LINE AND RESTORATION OF THE SURFACE TO EQUAL OR BETTER THAN THE ORIGINAL IS INCIDENTAL WORK ON THIS PROJECT. CONTRACTOR MUST COORDINATE WITH THE ENGINEER AND PROPERTY OWNER PRIOR TO ACCESSING OR WORKING ON PRIVATE PROPERTY. HARMONIZATION IS INCIDENTAL TO THE RELATED WORK. NO ADDITIONAL PAYMENT WILL BE MADE.
40. EXISTING UTILITIES ARE SHOWN AT APPROXIMATE LOCATIONS AND DEPTHS BASED ON BEST AVAILABLE RECORDS AND LIMITED FIELD DATA. NOT ALL UTILITIES MAY BE SHOWN. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGES TO UTILITIES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
41. CALL 1-800-DIG-TESS (1-800-344-8377) AT LEAST TWO WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, SO THAT THE LOCATION OF UTILITIES CAN BE MARKED. IF NECESSARY, TEST DITCHES SHALL BE DUG TO VERIFY/DETERMINE ACTUAL FIELD LOCATIONS AND CONDITIONS. LOCATION OF CITY UTILITIES TO BE PROVIDED BY THE CITY OF LUCAS.
42. THE CONTRACTOR SHALL PROVIDE A TRENCH SAFETY PLAN. THIS DOCUMENT SHALL BE SUBMITTED TO THE CITY OF LUCAS AT THE PRE CONSTRUCTION CONFERENCE OR PRIOR TO THE START OF CONSTRUCTION.
43. NO STOP OR YIELD SIGN IS TO BE RELOCATED OR REMOVED WITHOUT PRIOR APPROVAL BY THE CITY. THE CONTRACTOR MUST CALL THE CITY'S PUBLIC WORKS DEPARTMENT AND OBTAIN PERMISSION FOR ANY CHANGES IN THESE SIGNS.
44. ALL PAVEMENT MARKINGS, SIGN MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE LATEST ADDITIONS OF THE STANDARD HIGHWAY DEPARTMENT SIGN DESIGN FOR TEXAS, THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) UNLESS NOTED OTHERWISE.
45. SIGN LOCATIONS SHOWN ON THE PLANS ARE DIAGRAMMATIC. SIGNS SHALL BE PLACED IN CONFORMANCE WITH THE LATEST EDITION OF TMUTCD.
46. PAYMENT FOR EACH SIGN SHALL INCLUDE ALL MOUNTING HARDWARE, THE SIGN POLE AND WEDGE BASE SYSTEM. (TXDOT SMD (TWT)-08).
47. REFLECTORIZED PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, PER TXDOT STANDARD SPECIFICATIONS, ITEM 666. PAVEMENT MARKERS SHALL COMPLY WITH TXDOT STANDARD SPECIFICATIONS, ITEM 672.
48. ALL EXISTING SIGNS TEMPORARILY REMOVED BY THE CONTRACTOR SHALL BE PROTECTED FOR REINSTALLATION BY THE CONTRACTOR. ALL EXISTING SIGNS PERMANENTLY REMOVED SHALL BE SALVAGED.

REVISIONS	
DATE	DESCRIPTION
01/29/19	2 UPDATED/ADDED NOTES



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

SHEET NO.
 7

GENERAL NOTES

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS: BEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-TESS

SUMMARY OF QUANTITIES - BLONDY JHUNE ROAD

ITEM-CODE			DESCRIPTION	UNIT	BASE		ADD ALTERNATIVE 1	
ITEM NO.	DESC. CODE	SP NO			TOTAL		TOTAL	
					EST.	FINAL	EST.	FINAL
100	6001		PREPARING ROW	AC	3.25		0.76	
105	6011		REMOVING STAB BASE AND ASPH PAV (2"-6")	SY	12552		3265	
110	6001		EXCAVATION (ROADWAY)	CY	3609.6		2275.3	
132	6001		EMBANKMENT (FINAL)(ORDINARY COMPACTION)(TY A)	CY	2540.0		625.4	
134	6003		BACKFILL (TYPE C)	LF	94		26	
160	6003		FURNISHING AND PLACING TOPSOIL (4")	SY	4971		1242	
162	6002		BLOCK SODDING	SY	3840		1242	
162	6004		MULCH SODDING	SY	1829		0	
166	6001		FERTILIZER	AC	1.03		0.26	
169	6003		SOIL RETENTION BLANKETS (CL 1) (TY C)	SY	76		0	
260	6079		LIME TREATED (SUBGRADE)(6")	SY	13482		3758	
360	6000		CONC PVMT (CONT REINF - CRCP) (6")	SY	5378		0	
360	6002		CONC PVMT (CONT REINF - CRCP) (8")	SY	12660		3464	
432	6058		BEDDING MATERIAL (VARIABLE)	CY	26.9		0.1	
432	6060		RIPRAP (TYPE R)(24 IN)(GROUTED)	CY	247.0		86.8	
464	6003		RC PIPE (CL III)(18 IN)	LF	300		30	
464	6005		RC PIPE (CL III)(24 IN)	LF	50		93	
464	6007		RC PIPE (CL III)(30 IN)	LF	80		0	
464	6008		RC PIPE (CL III)(36 IN)	LF	120		0	
465	6187		INLET (COMPL)(DROP)(TY 1)(1 GRATE)	EA	1		0	
466	6005		HEADWALL (CH - FW - 0) (DIA = 24 IN)	EA	2		3	
466	6007		HEADWALL (CH - FW - 0) (DIA = 30 IN)	EA	4		0	
466	6009		HEADWALL (CH - FW - 0) (DIA = 36 IN)	EA	2		0	
466	6039		HEADWALL (CH - FW - 30) (DIA = 36 IN)	EA	2		0	
466	6050		HEADWALL (CH - FW - 45) (DIA = 24 IN)	EA	0		1	
467	6363		SET (TY II) (18 IN) (RCP) (6:1) (P)	EA	20		2	
506	6001		ROCK FILTER DAMS (INSTALL) (TY 1)	LF	229		36	
506	6011		ROCK FILTER DAMS (REMOVE)	LF	229		36	
506	6022		CONSTRUCTION EXITS (INSTALL) (TY 3)	SY	356		178	
506	6024		CONSTRUCTION EXITS (REMOVE)	SY	356		178	
506	6038		TEMP SEDMT CONT FENCE (INSTALL)	LF	4604		1684	
506	6039		TEMP SEDMT CONT FENCE (REMOVE)	LF	4604		1684	
529	6005		CONC CURB (MONO) (TY II)	LF	1471		0	
530	6004		DRIVEWAYS (CONC)	SY	1095		276	
530	6017		DRIVEWAYS (CONC)(HES)(6")(4000 PSI)	CY	100		0	
533	6002		RUMBLE STRIPS (CENTERLINE)	LF	2254		1224	
533	6005		RUMBLE STRIPS (SHOULDER) CONCRETE	LF	4791		3648	
550	6003		CHAIN LINK FENCE (REMOVE)	LF	41		169	
550	6026		CHAIN LINK FENCE (INSTALL)(5')	LF	41		169	
560	6011		MAILBOX INSTALL-S (TWW-POST) TY 4	EA	6		2	
644	6060		IN SM RD SN SUP & AM TY TWT(1)WS(P)	EA	34		0	
644	6076		REMOVE SM RD SN SUP & AM	EA	18		0	
666	6011		REFL PAV MRK TY I (W) 4" (SLD)(090 MIL)	LF	10461		2235	
666	6125		REFL PAV MRK TY I (Y) 4" (SLD)(090 MIL)	LF	10520		2398	
666	6224		PAVEMENT SEALER 4 INCH	LF	20981		4633	
672	6009		REFL PAV MRKR TY II-A-A	EA	164		30	
672	6010		REFL PAV MRKR TY II-B-B	EA	6		3	
677	6001		ELIM EXT PAV MRK & MARKS (4")	LF	1556		0	
678	6001		PAV SURF PREP FOR MRK (4")	LF	20981		4633	
678	6033		PAV SURF PREP FOR MRK (RPM)	EA	164		30	
1004	6001		TREE PROTECTION	LS	1		1	
TRAFFIC CONTROL								
500	6001		MOBILIZATION	LS	1		1	
502	6001		BARRICADES, SIGNS AND TRAFFIC HANDLING	LS	1		1	
510	6001		ONE-WAY TRAF CONT (FLAGGER CONT)	LS	1		1	
512	6001		PORT CTB (FUR & INST)(SGL SLOPE)(TY 1)	LS	1		1	
512	6025		PORT CTB (MOVE)(SGL SLP)(TY 1)	LS	1		1	
512	6049		PORT CTB (REMOVE)(SGL SLP)(TY 1)	LS	1		1	
560	6011		MAILBOX INSTALL-S (TWW-POST) TY 4	LS	1		1	
662	6063		WK ZN PAV MRK REMOV (W)4"(SLD)	LS	1		1	
662	6095		WK ZN PAV MRK REMOV (Y)4"(SLD)	LS	1		1	
6001	6001		PORTABLE CHANGEABLE MESSAGE SIGN	LS	1		1	

SUMMARY OF SIDE DRAIN & MITERED END SECTIONS

LOCATION	SIDE	PIPE LENGTH - LF	SET - EA	CONSTRUCTION REMARKS
		ROUND (0464 6003)	ROUND (0467 6363)	
STA. TO STA.		18" RCP	18" (6:1)	
		P	P	
112+80.14 TO 113+10.14	RT	30.0	2	
126+57.34 TO 126+91.04	RT	30.0	2	
126+94.55 TO 127+16.42	LT	24.0	2	
146+60.63 TO 146+86.77	LT	26.0	2	
148+14.95 TO 148+41.19	LT	26.0	2	
148+85.18 TO 149+10.84	RT	26.0	2	
150+59.62 TO 150+85.87	LT	26.0	2	
157+01.97 TO 157+31.69	LT	31.0	2	
163+87.13 TO 164+13.13	LT	26.0	2	
166+39.84 TO 166+65.29	LT	26.0	2	
175+79.66 TO 176+34.01	RT	58.9	2	
SUB-TOTAL:		329.9	22	
TOTAL:		330	22	

PAY ITEM NOTES:

- COST FOR ALL TESTING AND SAMPLING REQUIRED PER THE STANDARD SPECIFICATION AND GENERAL NOTES IS TO BE INCLUDED IN THE RELATED PAY ITEMS.
- 260 6079 QUANTITY PROVIDED INCLUDES AREA OF CONCRETE PAVEMENT REPLACEMENT ON DETOUR ROUTE.
- 360 6000 INCLUDES 2200'x22' CONCRETE PAVEMENT REPLACEMENT ON DETOUR ROUTE. 6" CONC., #4@18" OCEW.
- 466 6039 INCLUDES CONCRETE DISSIPATOR BLOCKS WHERE SHOWN IN PLANS.
- 506 6022 QUANTITY IS NOT A PLAN QUANTITY AND MAY BE INCREASED OR DECREASED BASED ON CONTRACTOR'S PHASING AND WORK ZONE. NO ADDITIONAL PAYMENT PROVIDED.
- 550 6003 CONTRACTOR SHALL MATCH EXISTING FENCE TYPE, MATERIAL, CONSTRUCTION, AND HEIGHT WHERE REPLACING FENCING. NO ADDITIONAL PAYMENT FOR VARYING FENCE TYPES.
- 550 6026
- 506 6038 INCLUDES REQUIRED INSPECTIONS WEEKLY AND AFTER RAIN EVENTS. NO EXTRA PAYMENT FOR REPAIRS TO EXISTING INSTALLATIONS.
- 560 6011 EXISTING MAILBOXES TO BE RELOCATED SHALL BE PRESERVED AND INSTALLED OR REPLACED IN EQUAL OR BETTER CONDITION MATCHING MATERIAL TYPE, SIZE, AND COLOR. NO ADDITIONAL PAYMENT PROVIDED FOR VARYING MAILBOX TYPES.
- 1004 6001 PROVIDE TREE PROTECTION ON ALL TREES GREATER THAN 6 IN DIAMETER WITHIN 5 FT OF PROPOSED WORK OR WORK ZONE. LUMP SUM ITEM INCLUDES ALL TREES AS DESCRIBED AND DIRECTED BY THE ENGINEER.
- 6001 6001 INCLUDES ALL PCMS FOR THE DURATION FO THE PROJECT.

PLOTTED BY: JBoggess
 PLOT DATE: 1/31/2019
 LAST SAVED: 10:19:20 AM
 LOCATION: X:\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\3. Roadway\roadsum01(REV 2).dgn

2
1

2

DATE	REVISIONS DESCRIPTION
01/18/19	1 BID ITEMS UPDATED
01/29/19	2 ADDED PAY ITEMS AND NOTE



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243

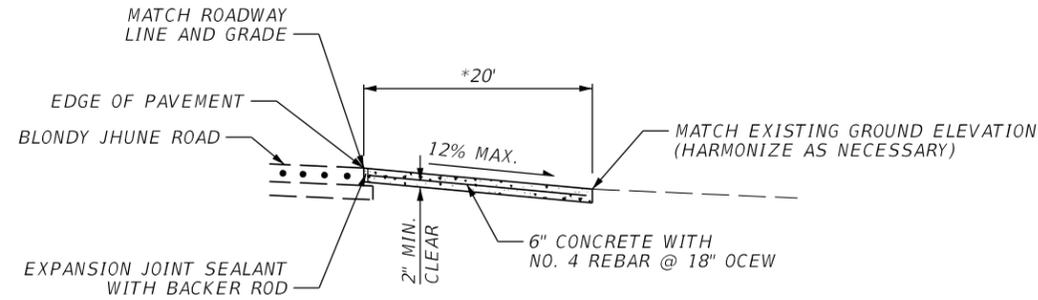


BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

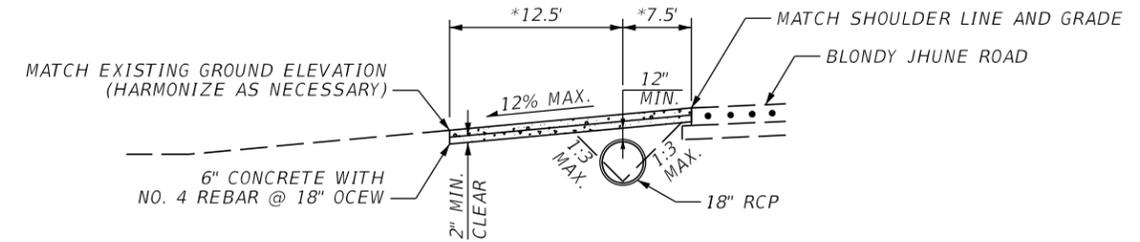
ESTIMATES AND SUMMARY OF QUANTITIES

SHEET NO. 8

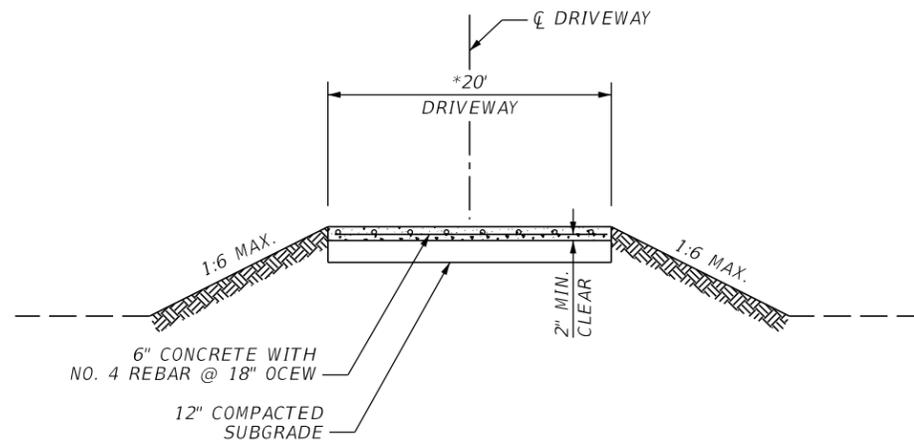
CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 1-800-DIG-TESS
 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL



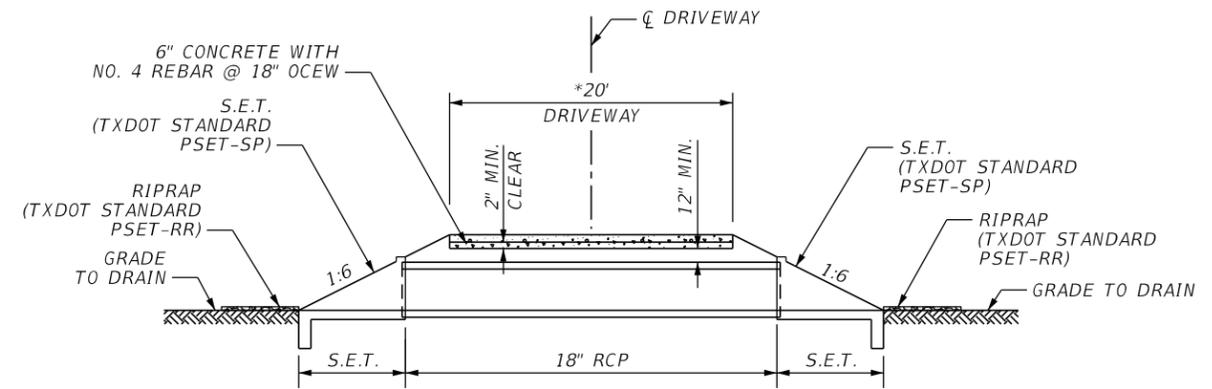
* DIMENSION MAY VARY AS SHOWN IN PLANS
DRIVEWAY TYPICAL PROFILE
 (WITHOUT SIDEDRAIN)



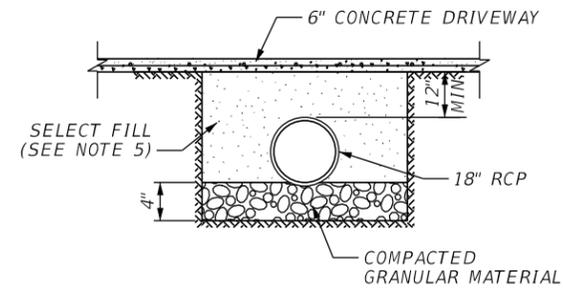
* DIMENSION MAY VARY AS SHOWN IN PLANS
DRIVEWAY TYPICAL PROFILE
 (WITH SIDEDRAIN)



* DIMENSION MAY VARY AS SHOWN IN PLANS
DRIVEWAY TYPICAL SECTION
 (WITHOUT SIDEDRAIN)



* DIMENSION MAY VARY AS SHOWN IN PLANS
DRIVEWAY TYPICAL SECTION
 (WITH SIDEDRAIN)



BACKFILL AND BEDDING DETAIL

NOTES:

- DRIVEWAY MAY BE EXTENDED BEYOND RIGHT OF WAY LINE AS REQUIRED TO MEET EXISTING GRADE. COORDINATE WITH PROPERTY OWNER AND CITY.
- EXACT LOCATIONS, DIMENSIONS, AND TYPE MAY BE FIELD MODIFIED WITH PRIOR APPROVAL FROM THE CITY.
- SIDE DRAINS TO BE INSTALLED WHERE ROADSIDE SWALE DRAINAGE IS PRESENT, AS INDICATED ON PLANS AND/OR AS DIRECTED BY THE ENGINEER.
- SIDE DRAINS TO BE INSTALLED WITH A MINIMUM OF 12" COVER, NOT INCLUDING CONCRETE DRIVEWAY THICKNESS.
- PLACE BACKFILL EQUALLY ALONG BOTH SIDES OF THE PIPE IN UNIFORM LIFTS (8 IN. MAX.). COMPACT EACH LIFT MECHANICALLY. THOROUGHLY COMPACT MATERIALS PLACED UNDER THE HAUNCHES OF THE PIPE TO PREVENT DAMAGE OR DISPLACEMENT OF THE PIPE. CONTINUE TO PLACE BACKFILL IN THIS MANNER TO THE TOP-OF-PIPE ELEVATION. PLACE AND COMPACT BACKFILL ABOVE THE TOP OF THE PIPE IN UNIFORM LIFTS (8 IN. MAX.).

6. USE HIGH-EARLY STRENGTH 4,000 PSI CONCRETE AS DIRECTED BY THE ENGINEER.

PLOTTED BY: JBoggess
 PLOT DATE: 1/29/2019
 LAST SAVED: 2:26:46 PM
 LOCATION: X:\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\3. Roadway\spatrrd03.DGN

DATE	REVISIONS DESCRIPTION
01/29/19	2 DRIVEWAY NOTE ADDED

LAKES ENGINEERING, INC.

CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

DRIVEWAY DETAILS

SHEET NO.
 24

CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 1-800-DIG-TESS
 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL

GENERAL NOTES:

1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR HIS REPRESENTATIVE (ENGINEER). THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MIGHT OCCUR DUE TO THE CONTRACTOR'S FAILURE TO LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
2. THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 4TH EDITION, OCTOBER 2004, ARE HEREAFTER, COLLECTIVELY REFERRED TO AS "THE STANDARD SPECIFICATIONS".
3. IN THE EVENT AN ITEM IS NOT COVERED WITHIN THESE PLANS AND SPECIFICATIONS, THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SHALL APPLY.
4. THE CONTRACTOR SHALL CONTACT THE ENGINEER SHOULD ANY DISCREPANCIES BE FOUND IN THE CONSTRUCTION PLANS AND/OR THE SPECIAL PROVISIONS. THE CONTRACTOR WILL NOT BE COMPENSATED FOR ANY WORK NOT AUTHORIZED BY THE CITY.
5. (NOTE REMOVED).
6. THE CONTRACTOR SHALL NOT PLACE FILL OR WASTE MATERIAL ON ANY PRIVATE PROPERTY WITHOUT A WRITTEN AGREEMENT WITH THE PROPERTY OWNER AND APPROVAL BY CITY. A COPY OF THIS AGREEMENT SHALL BE PROVIDED TO THE CITY.
7. TRENCH SAFETY DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT A TRENCH SAFETY DESIGN PLAN, SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF TEXAS, FOR REVIEW PRIOR TO THE START OF CONSTRUCTION.
8. THE CONTRACTOR SHALL PROTECT THE EXISTING TREES, BUSHES, LANDSCAPING PLANTS, SPRINKLERS, AND LAWNS UNLESS SHOWN OTHERWISE ON THE CONSTRUCTION DRAWINGS. ANY DAMAGE TO THE EXISTING TREES, BUSHES, LANDSCAPING PLANTS, SPRINKLERS, AND LAWNS CAUSED BY THE CONSTRUCTION SHALL BE REPLACED TO THE SATISFACTION OF THE PROPERTY OWNER AND THE CITY AT THE CONTRACTOR'S SOLE EXPENSE.
9. THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND IRRIGATION SYSTEMS. ADJUSTMENT OR RELOCATION OF IRRIGATION SYSTEM SHALL BE INSTALLED BY AN IRRIGATOR LICENSED IN THE STATE OF TEXAS AND, IF REQUIRED, SHALL BE INCIDENTAL TO RIGHT OF WAY PREPARATION.
10. THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY THE CONSTRUCTION TO THE ORIGINAL CONDITION OR BETTER. RESTORED AREAS INCLUDE BUT NOT LIMITED TO TRENCH BACKFILL, SIDE SLOPES, FENCES, IRRIGATION SYSTEMS, DRIVEWAYS, PRIVATE YARDS, SIGNS AND ROADWAYS. DISTURBED ROADWAY CLEAR ZONES SHALL BE HYDRO MULCHED, WATERED & ESTABLISHED. DISTURBED CHANNEL SIDE SLOPES SHALL BE RESTORED WITH SOLID BLOCK SOD, WATERED, FERTILIZED & ESTABLISHED. THE ESTABLISHMENT OF GRASS IN DISTURBED AREAS SHALL BE DETERMINED BY THE CITY.
11. TEMPORARY FENCING SHALL BE PLACED PRIOR TO ANY FENCE REMOVAL FOR CONSTRUCTION. TEMPORARY FENCING SHALL MATCH THE EXISTING FENCE. PAYMENT FOR TEMPORARY FENCE SHALL BE SUBSIDIARY TO THE REMOVAL AND REPLACEMENT OF THE FENCE.
12. NO SEPARATE PAY IS PROVIDED FOR THE TREE REMOVAL. TREE REMOVAL SHALL BE CONSIDERED SUBSIDIARY TO R.O.W. PREPARATION.

PAVING NOTES

1. THE CONTRACTOR SHALL KEEP STREETS ADJACENT TO THE PROJECT FREE OF MUD AND DEBRIS FROM THE CONSTRUCTION.
2. CONCRETE FOR ALL STREETS SHALL BE IN ACCORDANCE WITH NCTCOG CLASS "P1" CONCRETE (4,000 P.S.I. COMPRESSIVE @ 28 DAYS MINIMUM 6 SACK MIX).
3. THE CONTRACTOR SHALL PROVIDE ACCESS TO PRIVATE PROPERTY AT ALL TIMES. DRIVEWAYS WILL BE REPLACED AS DIRECTED BY THE ENGINEER. TEMPORARY DRIVEWAYS SHALL BE CONSTRUCTED IMMEDIATELY AFTER THE CONTRACTOR HAS DISTURBED OR ALTERED THE ADJACENT PROPERTY OWNERS ACCESS TO HIS PROPERTY.
4. DRIVEWAY LOCATIONS IF ANY SHOWN ARE SUBJECT TO CHANGE TO SUIT ACTUAL FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND MAY BE SHIFTED AS DIRECTED BY THE ENGINEER.
5. DRIVEWAYS CONSTRUCTED OFF RIGHT-OF-WAY SHALL MATCH THE EXISTING DRIVE CONSTRUCTION MATERIALS, OR AS DIRECTED BY THE ENGINEER, WHERE APPLIES.
6. WHEN EXCAVATION IS REQUIRED NEXT TO A PAVEMENT LANE CARRYING TRAFFIC AND WIDENING IS NOT COMPLETED WITHIN FORTY EIGHT (48) HOURS, SUFFICIENT BACKFILL SHALL BE PLACED AGAINST THE EDGE OF PAVEMENT TO PROVIDE A USUAL 3:1 SLOPE.
7. WHERE THE CONTRACTOR DESIRES TO MOVE ANY EQUIPMENT NOT LICENSED FOR OPERATION ON PUBLIC ROADWAYS ON OR ACROSS PAVEMENT, HE SHALL PROTECT THE PAVEMENT FROM DAMAGE. ANY DAMAGE TO PAVEMENT SHALL BE REPLACED AT THE CONTRACTOR'S SOLE EXPENSE.
8. THE CONTRACTOR SHALL NOT COMMENCE WORK ON THE ROADWAY BEFORE 7:00 AM AND SHALL ARRANGE HIS WORK SO THAT NO MACHINERY OR EQUIPMENT SHALL BE CLOSER THAN 30 FEET TO THE TRAVELED ROADWAY AFTER SUNSET EXCEPT AS APPROVED BY THE ENGINEER. UNLESS OTHERWISE APPROVED BY THE CITY, WORKING HOURS SHALL BE 7AM-6PM MON.-FRI. AND 8AM-5PM ON SATURDAYS. NO WORK SHALL BE DONE ON CITY HOLIDAYS OR SUNDAYS WITHOUT WRITTEN PERMISSION FROM THE CITY.
9. WHERE PROPOSED REINFORCED CONCRETE PAVEMENT CONNECT TO EXISTING REINFORCED CONCRETE PAVEMENT, THE CONTRACTOR SHALL MATCH AT SAME TOP CONCRETE ELEVATION WITH A SMOOTH TRANSITION INCLUDING AT CONCRETE CURB CONNECTIONS. SEE LONGITUDINAL BUTT JOINT DETAIL FOR TYPICAL CONNECTION.
10. THIS PROJECT WILL NOT BE CONSIDERED COMPLETE UNTIL THE ENGINEER DETERMINES THAT ALL CURBS, PAVEMENT AND SIDEWALKS HAVE BEEN SWEEPED CLEAN OF ALL DIRT AND DEBRIS.

PAVEMENT MARKINGS AND SIGNS

1. ALL PAVEMENT MARKINGS, SIGN MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE LATEST ADDITIONS OF THE STANDARD HIGHWAY DEPARTMENT SIGN DESIGN FOR TEXAS, THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) UNLESS NOTED OTHERWISE.
2. SIGN LOCATIONS SHOWN ON THE PLANS ARE DIAGRAMMATIC.
3. PAYMENT FOR EACH SIGN SHALL INCLUDE MOUNTING HARDWARE, THE SIGN POLE AND GROUND MOUNTING SYSTEM. ALL GROUND MOUNTED SIGNS SHALL BE GALVANIZED 12-GAUGE YIELDING BREAKAWAY GROUND MOUNTED SIGN SYSTEMS. THE SYSTEM SHALL CONSIST OF THE FOLLOWING THREE ELEMENTS:
 - a) 12-FOOT LONG 2-INCH SQUARE POLES WITH HOLES
 - b) 30-INCH LONG 2.25-INCH SQUARE BASE
 - c) 18-INCH LONG 2.5-INCH SQUARE SLEEVE
4. SIGNS SHALL BE PLACED IN CONFORMANCE WITH THE LATEST EDITION OF TMUTCD.
5. REFLECTORIZED PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, PER TXDOT STANDARD SPECIFICATIONS, ITEM 666. PAVEMENT MARKERS SHALL COMPLY WITH TXDOT STANDARD SPECIFICATIONS, ITEM 672.
6. ANY SIGNS TEMPORARILY REMOVED BY THE CONTRACTOR SHALL BE REPLACED. PAYMENT FOR THE REPLACEMENT OF SIGNS NOT CALLED OUT IN THE CONSTRUCTION PLANS AND INCLUDED IN THE BID SCHEDULE SHALL BE SUBSIDIARY TO THE PROJECT.

TRAFFIC CONTROL

1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE TRAFFIC CONTROL DURING THE PROJECT. ALL TRAFFIC CONTROL WORK SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD).
2. ALL TRAFFIC CONTROL PLANS MUST BE SUBMITTED BY THE CONTRACTOR FOR REVIEW A MINIMUM OF SEVEN WORKING DAYS PRIOR TO ANTICIPATED LANE CLOSURES. THE TRAFFIC CONTROL PLAN MUST BE APPROVED BY THE CITY PRIOR TO BEGINNING CONSTRUCTION ACTIVITY. TRAFFIC CONTROL PLANS MAY BE REQUIRED ON OTHER ROADWAYS AS DETERMINED BY THE CITY OR THE ENGINEER. ALL TRAFFIC CONTROL PLANS MUST BE PREPARED BY AN INDIVIDUAL CERTIFIED IN THEIR PREPARATION IN THE STATE OF TEXAS.
3. BARRICADES AND SIGNS SHALL BE PLACED IN SUCH A MANNER AS NOT TO INTERFERE WITH SIGHT DISTANCE OF DRIVERS ENTERING THE ROADWAY OR SIDE STREETS.
4. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL OR MOVED AS APPROPRIATE WHEN THEY ARE NO LONGER NEEDED.

UTILITY NOTES

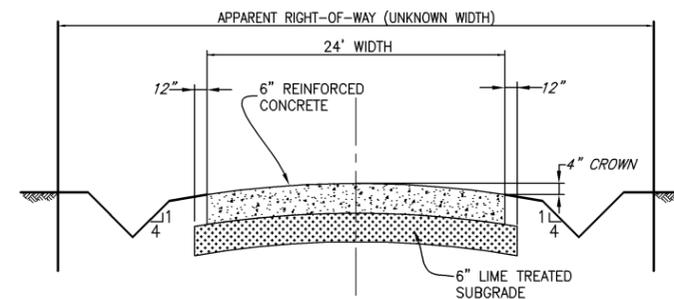
1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING PUBLIC AND PRIVATE UTILITIES THROUGHOUT THE CONSTRUCTION ON THIS PROJECT. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY FOR LINE RESPONSIBILITY AND IS LIABLE TO THESE COMPANIES FOR ANY DAMAGE CAUSED TO THEIR FACILITIES.
2. THE CONTRACTOR SHALL TAKE EXTREME CARE WHEN EXCAVATING IN THE VICINITY OF UTILITIES. THE CONTRACTOR MAY BE REQUIRED TO PROBE OR EXPOSE THESE FACILITIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGE TO THESE UTILITIES CAUSED BY THE CONTRACTOR.
3. ERECTION OF POLES AND STRUCTURES LOCATED NEAR ANY OVERHEAD OR UNDERGROUND UTILITIES SHALL BE ACCOMPLISHED USING ESTABLISHED INDUSTRY SAFETY AND UTILITY SAFETY PRACTICES.
4. THE CONTRACTOR SHALL COORDINATE WITH GCEC TO ALLOW FOR AN OPEN CUT INSTALLATION ACROSS THE PAVEMENT AT 980 WINNINGKOFF ROAD.

STORM WATER POLLUTION PREVENTION NOTES

1. PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL PROVIDE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) TO THE CITY.
2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR IMPLEMENTING ALL THE VARIOUS STORM WATER POLLUTION PREVENTION MEASURES AND SHALL BE REQUIRED TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL EROSION, CONSERVATION, AND SANITATION ORDINANCES.
3. IF THESE STORM WATER POLLUTION PREVENTION SYSTEMS, AS APPROVED, CANNOT CONTROL EROSION, THE SWPPP WILL BE REQUIRED TO BE REVISED AND/OR ADDITIONAL EROSION CONTROL DEVICES WILL BE REQUIRED ON SITE AT NO ADDITIONAL COST TO THE CITY.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF ALL ASSOCIATED FEES, INCLUDING BUT NOT LIMITED TO THE N.O.I. (NOTICE OF INTENT) APPLICATION FEE AND WATER QUALITY FEE.
5. PERIMETER CONTROLS SUCH AS SILT CONTROL FENCE OR HAY BALES SHALL BE INSTALLED AT ALL DOWN SLOPE BOUNDARIES AND AS REQUIRED WHERE PAVEMENT REMOVAL, UTILITY CONSTRUCTION, GRADING, OR OTHER CONSTRUCTION ACTIVITIES ARE TO BE PERFORMED. THE CONTRACTOR SHALL TAKE SUCH MEASURES AT ALL TIMES TO MINIMIZE SITE TRACKING OR TRANSPORT OF SEDIMENT AND DEBRIS OFF-SITE.
6. DAMAGES TO ADJACENT PROPERTY OR TO RECEIVING WATERS CAUSED BY IMPROPERLY INSTALLED OR POORLY MAINTAINED EROSION CONTROL MEASURES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
7. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF SILT AND SEDIMENT FROM EROSION CONTROL DEVICES WHEN THE EFFECTIVENESS OF THESE MEASURES IS REDUCED, OR AS DIRECTED BY THE ENGINEER.
8. THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR THE EXISTING AND PROPOSED STORM DRAINAGE INLETS AND PREVENT THE ENTRY OF ANY SEDIMENT OR OTHER MATERIALS INTO THE DRAINAGE SYSTEM.
9. THE CONTRACTOR SHALL NOT ALLOW ANY CONSTRUCTION DEBRIS OUTSIDE THE PROJECT BOUNDARIES. ANY DEBRIS (MUD, GRAVEL, ORGANIC MATERIAL, ETC.) THAT FALLS ONTO ADJACENT PROPERTY OR EXISTING PAVEMENT SHALL BE REMOVED IMMEDIATELY.
10. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF CONSTRUCTION ACTIVITIES.
11. INSPECTION INTERVAL REQUIREMENTS TO BE SENT TO CITY.

DRAINAGE NOTES

1. ALL DRAINAGE PIPES SHALL INTERSECT STRUCTURES AT THE CENTERLINE OF THE STRUCTURE INSIDE WALL FACE, UNLESS NOTED OTHERWISE.
2. ALL R.C.P. AND R.C.B. BEND AND INTERSECTIONS SHALL BE CONSTRUCTED UTILIZING PRECAST 45' OR 60' BENDS, WYES, UNLESS NOTED OTHERWISE AND SHALL BE SUBSIDIARY TO R.C.P. OR R.C.B. INSTALLATION.
3. ALL STORM SEWER SHALL BE ASTM C-76, CLASS III REINFORCED CONCRETE PIPE, UNLESS NOTED OTHERWISE.
4. ALL STORM SEWER INLETS, MANHOLES & EMBEDMENT SHALL BE AS PER THE DETAILS.



TYPICAL REINFORCED CONCRETE SECTION

SCOPE OF WORK

1. REMOVE EXISTING ASPHALT PAVEMENT. EXISTING ASPHALT IS 4-INCHES TO 6-INCHES IN DEPTH.
2. PREPARE 6-INCH LIME TREATED SUBGRADE IN ACCORDANCE WITH NCTCOG ITEM 301.2 USING A MINIMUM OF 6% HYDRATED LIME AND COMPACT TO A MINIMUM OF 98% STANDARD PROCTOR AT OPTIMUM MOISTURE TO OPTIMUM PLUS 2%.
3. FURNISH AND INSTALL 6-INCH CLASS "P1" 4000 PSI CONCRETE REINFORCED WITH NO. 4 DEFORMED BARS ON 24-INCH CENTERS.

ADDENDUM 3: REMOVE STRIPING 1/29/2019

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[Handwritten Signature]
 1/29/19

CITY OF LUCAS, TEXAS
 WINNINGKOFF ROAD PHASE II

GENERAL NOTES & TYPICAL SECTION

BHC
 PROJECT NO.
 2017-156

January, 2019

SHEET NO.

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