

CONTRACT DOCUMENTS  
AND  
PLANS AND SPECIFICATIONS

for

**2017 County Road Improvements**  
**AF2017-003**



for

Alfalfa County, Oklahoma

August 2016

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Alfalfa County, Oklahoma  
COUNTY PURCHASING OFFICE  
Alfalfa County Courthouse  
300 South Grand  
Cherokee, OK 73728  
Phone: 580-596-3158

**INVITATION TO BID**

PLEASE REVIEW TERMS AND CONDITIONS ON REVERSE SIDE RELATING TO SUBMISSION OF THIS BID.				DATE ISSUED	
Notarized Affidavit completions and signature required on reverse side.				Page 1 of <u>  2  </u>	
BID NUMBER <u>  2017  </u> - <u>  003  </u>		BID CLOSING DATE AND HOUR Friday, September 16, 2016, 9:30 a.m.		REQUIRED DELIVERY DATE  <u>      </u> Days after award of Purchase Order	
TERMS: Bidding documents shall be obtained from the County Clerk's office in Cherokee, OK. Bids will be opened during the commissioners meeting on Monday, September 19, 2016 at 10:00 a.m.				DATE OF DELIVERY:	
Item	Quantity	Unit of Issue	Description	Unit Price	Total
			2017 County Road Improvements Project # AF2017-003 For Alfalfa County District #3  <b>Pre-Bid Meeting</b> <b>Non-Mandatory</b> <b>Date: September 6, 2016</b> <b>Time: 2:00 pm</b> <b>Location: Alfalfa County Courthouse</b> <b>300 S. Grand</b> <b>Cherokee, OK 73728</b>		

## TERMS AND CONDITIONS

1. Sealed bids will be opened in the Commissioners Conference Room, Alfalfa County Courthouse, 300 South Grand, Cherokee, OK 73728 at the time and date shown on the invitation to bid form.
2. Late bids will not be considered. Bids must be received in sealed envelopes (one to an envelope) with bid number and closing date written on the outside of each envelope.
3. Unit prices will be guaranteed correct by the bidder.
4. Firm prices will be F.O.B. destination.
5. Purchases by Alfalfa County, Oklahoma are not subject to state or federal taxes.
6. This bid is submitted as a legal offer and any bid when accepted by the County constitutes a firm contract.
7. Oklahoma laws require each bidder submitting a bid to a county for goods or services to furnish a notarized sworn statement of non-collusion. A form is supplied below.
8. Bids will be firm until \_\_\_\_\_ .  
(Date)

**AFFIDAVIT:** I, the undersigned, of lawful age, being first duly sworn on oath say that he (she) is the agent authorized by the bidder to submit the above bid. Affiant further states that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding; or with any state official or employee as to quantity; quality or price in the prospective contract or any other terms of said prospective contract; or in any discussions between bidders and any state official concerning exchange of money or other thing of value for special consideration in the letting of a contract; that the bidder/contractor has not paid, given or donated or agreed to pay, give or donate to any officer or employee of the State of Oklahoma (or other entity) any money or other thing of value, either directly or indirectly in the procuring of the award of a contract pursuant to this bid.

Subscribed and sworn before this \_\_\_\_\_ day

of \_\_\_\_\_, 20\_\_\_\_\_.

(SEAL)

Firm: \_\_\_\_\_

My commission expires: \_\_\_\_\_

Signed by: \_\_\_\_\_ Title: \_\_\_\_\_  
(Manual Signature of Undersigned)

\_\_\_\_\_  
NOTARY PUBLIC (CLERK OR JUDGE)

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zip: \_\_\_\_\_



## PROPOSAL

TO: The Board of County Commissioners  
Alfalfa County, Oklahoma

Gentlemen:

Pursuant to the notice inviting proposals, the undersigned bidder herewith submits his proposal.

He declares he has carefully examined the Plans, Specifications and forms of Contract and bonds as set forth in the proceedings for:

### **2017 County Road Improvements AF2017-003**

and that he has reached a full understanding of everything required on said Plans and Specifications, and that he has informed himself as to the kind and quantities of various materials to be furnished and/or the nature and location of the work to be done, and all other matters affecting the work.

The undersigned bidder proposes and agrees that if his proposal is accepted, to enter into contract with the Commission, on forms prescribed, with approved sureties, within seven (7) days, after notice of award to execute the Contract, and to furnish to the Commission a satisfactory Performance and Statutory Bond in the sum of 100% of the contract price, guaranteeing the faithful performance of the work and payment of bills.

To do any extra work not covered by the following schedule of prices or stipulated lump sum price which may be ordered by the Engineer and to accept as full compensation therefor such prices as may be agreed upon in writing by the Engineer and the Contractor in accordance with Section 108.04 of the General Provisions.

It is further agreed that the Contractor shall begin the work on the date indicated in the Notice to Proceed and to prosecute said work in such a manner as to complete all work contracted for within 120 calendar days following the Notice to Proceed. The Notice to Proceed shall become effective within 70 calendar days of the bid opening.

The Contractor shall take out and maintain public liability insurance in accordance with Section 106.25 of the General Provisions of the Specifications. A copy of said Specifications is now on file in the Office of the County Clerk.

Upon completion of the Contract, the Contractor shall furnish to the County a satisfactory Maintenance Bond in the amount of 100% of the final contract price, guaranteeing the maintenance of the work for a period of ONE (1) year after acceptance by the County.

Accompanying this proposal is a proposal guaranty for 5% of the total bid, payable to ALFALFA COUNTY, which is to be forfeited, as liquidated damages, if, in the event that this proposal is accepted, the undersigned shall fail to execute the contract and furnish satisfactory contract bond under the conditions and within the time specified in this proposal. Otherwise said proposal guaranty is to be returned to the undersigned.

## PROPOSAL

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<b>NS-265 - BASE BID</b>						
<b>Item No.</b>		<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Total Price</b>
202(A)	0183	Unclassified Excavation	C.Y.	2,395.39		
202(D)	0184	Unclassified Borrow	C.Y.	3,615.04		
221(F)	0100	Temporary Silt Dike	L.F.	210.00		
230(A)	2806	Solid Slab Sodding	S.Y.	8,164.00		
307(C)	4220	Portland Cement	Ton	137.84		
307(E)	4240	Cementitious Stabilized Subgrade	S.Y.	13,006.56		
311(D)	0154	Processing Existing Base & Surface, Method B	L.F.	1,787.00		
402(E)	0225	Traffic Bound Surface Course Type E	Ton	40.00		
407(B)	0250	Tack Coat	Gal	759.81		
408	5774	Prime Coat	Gal	4,204.16		
411(B)	5945	Superpave, Type S3 (PG 64-22 OK)	Ton	2,690.66		
411(C)	5960	Superpave, Type S4 (PG 64-22 OK)	Ton	1,708.03		
411(I)	6310	Superpave, Type S4(Patch)(PG64-22OK)	Ton	30.00		
		Full-Depth Asphalt Repair	S.F.	2,500.00		
501(A)	0313	Structural Excavation Unclassified	C.Y.	55.00		
501(G)	6315	CLSM Backfill	C.Y.	55.00		
509(D)	0325	Class C Concrete	C.Y.	10.00		
601(A)	0297	Type I Plain Riprap	Ton	15.00		
613(A)	4496	22" x 13" R.C.Pipe Arch Class A-III	L.F.	56.00		
613(A)	4497	36" x 22" R.C.Pipe Arch Class A-III	L.F.	56.00		
613(B)	4527	21" x 15" Corr. Galv. Steel Pipe Arch	L.F.	48.00		
613(L)	4504	21" x 15" Prefab. Culvert End Section, Arch	EA.	2.00		
613(M)	7187	Type A4 Culvert End Treatment	EA.	1.00		
613(M)	7187	Type B4 Culvert End Treatment	EA.	2.00		
619(B)	5918	Removal of Existing Pipe	L.F.	131.00		
619(C)	0924	Sawing Pavement	L.F.	270.00		
623(A)	0932	Beam Guardrail W-Beam Single	L.F.	100.00		
623(F)	5686	Guardrail Anchor Unit (Type D-BF)	EA.	4.00		
623(G)	8571	Guardrail End Treatment (GET)	EA.	4.00		
850(A)	8110	Sheet Aluminum Signs	S.F.	45.93		
856(A)	8530	Traffic Stripe (Multi-Polymer)(4" Wide)	L.F.	2,205.87		
856(B)	8525	Traffic Stripe (Multi-Polymer)(Symbols,Etc.)	EA.	2.00		
880(J)	8905	Construction Traffic Control	L. Sum	1.00		
220	2800	SWPPP Documentation and Management	L. Sum	1.00		
641	1552	Mobilization	L. Sum	1.00		
642(B)	0096	Construction Staking Level II	L. Sum	1.00		
<b>TOTAL BASE BID</b>						

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**PROPOSAL**

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<b>7TH STREET - ALTERNATE 1</b>						
<b>Item No.</b>		<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Total Price</b>
202(A)	0183	Unclassified Excavation	C.Y.	35.41		
202(D)	0184	Unclassified Borrow	C.Y.	520.00		
221(F)	0100	Temporary Silt Dike	L.F.	105.00		
230(A)	2806	Solid Slab Sodding	S.Y.	8,174.44		
307(C)	4220	Portland Cement	Ton	6.88		
307(E)	4240	Cementitious Stabilized Subgrade	S.Y.	637.33		
402(E)	0225	Traffic Bound Surface Course Type E	Ton	120.00		
407(B)	0250	Tack Coat	Gal	1,843.31		
408	5774	Prime Coat	Gal	204.48		
411(B)	5945	Superpave, Type S3 (PG 64-22 OK)	Ton	130.87		
411(C)	5960	Superpave, Type S4 (PG 64-22 OK)	Ton	2,184.21		
411(I)	6310	Superpave, Type S4(Patch)(PG64-22OK)	Ton	210.00		
		Full-Depth Asphalt Repair	S.F.	2,500.00		
509(D)	0325	Class C Concrete	C.Y.	10.00		
613(B)	4527	21" x 15" Corr. Galv. Steel Pipe Arch	L.F.	40.00		
613(L)	4504	21" x 15" Prefab. Culvert End Section, Arch	EA.	2.00		
619(B)	4728	Removal of Asphalt Pavement	S.Y.	584.22		
619(B)	5918	Removal of Existing Pipe	L.F.	20.00		
850(A)	8110	Sheet Aluminum Signs	S.F.	44.18		
856(A)	8530	Traffic Stripe (Multi-Polymer)(4" Wide)	L.F.	3,568.27		
880(J)	8905	Construction Traffic Control	L. Sum	1.00		
220	2800	SWPPP Documentation and Management	L. Sum	1.00		
641	1552	Mobilization	L. Sum	1.00		
642(B)	0096	Construction Staking Level II	L. Sum	1.00		
<b>TOTAL ALTERNATE 1</b>						

## PROPOSAL

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<b>KRASSER ROAD - ALTERNATE 2</b>						
<b>Item No.</b>		<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Total Price</b>
202(D)	0184	Unclassified Borrow	C.Y.	240.00		
221(F)	0100	Temporary Silt Dike	L.F.	56.00		
230(A)	2806	Solid Slab Sodding	S.Y.	3,981.00		
402(E)	0225	Traffic Bound Surface Course Type E	Ton	26.00		
407(B)	0250	Tack Coat	Gal	773.30		
411(C )	5960	Superpave, Type S4 (PG 64-22 OK)	Ton	875.10		
411(I)	6310	Superpave, Type S4(Patch)(PG64-22OK)	Ton	60.00		
		Full-Depth Asphalt Repair	S.F.	400.00		
509(B)	0321	Class A Concrete	C.Y.	1.50		
509(D)	0325	Class C Concrete	C.Y.	10.00		
511(A)	0332	Reinforcing Steel	LBS	250.00		
613(A)	4496	28" X 18" R.C.Pipe Arch Class A-III	L.F.	224.00		
613(M)	7187	Type B4 Culvert End Treatment	EA.	3.00		
613(M)	7192	Type BB4 Culvert End Treatment	EA.	4.00		
619(B)	5918	Removal of Existing Pipe	L.F.	176.00		
619(B)	6189	Removal of Existing Slab	S.Y.	11.00		
850(A)	8110	Sheet Aluminum Signs	S.F.	22.25		
856(A)	8530	Traffic Stripe (Multi-Polymer)(4" Wide)	L.F.	845.33		
880(J)	8905	Construction Traffic Control	L. Sum	1.00		
641	1552	Mobilization	L. Sum	1.00		
642(B)	0096	Construction Staking Level II	L. Sum	1.00		
<b>TOTAL ALTERNATE 2</b>						

**TOTAL BASE BID** \_\_\_\_\_

**TOTAL BASE BID + ALTERNATE 1** \_\_\_\_\_

**TOTAL BASE BID + ALTERNATE 2** \_\_\_\_\_

**TOTAL BASE BID + ALTERNATE 1 + ALTERNATE 2** \_\_\_\_\_

## PROPOSAL

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A Bidder's Bond, Certified or Cashier's Check is enclosed in the amount of \$\_\_\_\_\_, as required.

STATE OF \_\_\_\_\_ )  
 ) SS:  
COUNTY OF \_\_\_\_\_ )

\_\_\_\_\_; of lawful age, being first duly sworn, upon his oath, deposes and says, that he executed the accompanying bid on behalf of the bidder named therein for the construction of the above improvement in ALFALFA COUNTY, OKLAHOMA, that he had lawful authority so to do and that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding; or with any State or County official or employee as to quantity, quality, or price in the prospective contract, or any other terms of said prospective contract; or in any discussions between bidders and any State or County officials concerning exchange of money or other thing of value for special consideration in the letting of a contract; said bidder has neither directly nor indirectly entered into any agreement, express or implied, with any bidder or bidders, having for its object the controlling of the price or amount of such bid or bids, the limiting of the bids or bidders, the parceling or farming out to any bidder or bidders, or other persons of any part of the contract or any part of the profits thereof and that he has not and will not divulge the sealed bid on such public improvement to any person whatsoever, except those having a partnership or other financial interest with him in said bid or bids, until after the sealed bid or bids are opened.

If partnership, give name  
and address of each partner

\_\_\_\_\_  
By: \_\_\_\_\_

\_\_\_\_\_  
Address: \_\_\_\_\_

\_\_\_\_\_  
Incorporated under the  
laws of the State of: \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

(SEAL)

\_\_\_\_\_  
Notary Public

My Commission Expires:

\_\_\_\_\_

**NON-COLLUSION AFFIDAVIT**  
To Accompany Contractor's Bid

STATE OF \_\_\_\_\_ )  
 ) ss:  
COUNTY OF \_\_\_\_\_ )

\_\_\_\_\_  
first duly sworn upon his/her oath, states: (Contractor's Authorized Agent), of lawful age, being

1. I am the duly authorized agent of \_\_\_\_\_ (Bidder's Company Name), the bidder submitting the attached competitive bid (the "bid"), for the purpose of certifying the facts pertaining to the existence or nonexistence of collusion among bidders or between bidders and municipal officials or employees, as well as facts pertaining to the giving or offering of things of value to government personnel in return for special consideration in the award of any contract associated with the bid attached to this document;
2. I am fully aware of the facts and circumstances surrounding the making of the bid and have been personally and directly involved in the proceedings leading to the submission of such bid;
3. Neither the bidder nor anyone subject to the bidder's direction or control has been a party to: Any collusion among bidders to restrain the freedom of competition by agreement to bid at a fixed price or to refrain from bidding; Any collusion with any county official or employee as to quantity, quality, or price in the bid or contemplated contract, or as to any other terms of such bid or contemplated contract; nor any discussions between bidders and any county official or employee concerning the exchange of money or other thing of value for special consideration in the award of the contemplated contract.

Further, Affiant saith not.

\_\_\_\_\_  
Signature of Authorized Agent

\_\_\_\_\_  
Title (printed)

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

(SEAL)

My commission expires:

\_\_\_\_\_  
Notary Public

**BUSINESS RELATIONSHIP AFFIDAVIT**

To Accompany Contractor's Bid

STATE OF \_\_\_\_\_ )  
 ) ss:

COUNTY OF \_\_\_\_\_ )

\_\_\_\_\_  
(Contractor's Authorized Agent), of lawful age, being  
first duly sworn upon his/her oath, states:

1. I am the duly authorized agent of \_\_\_\_\_ (Bidder's  
Company Name), the bidder submitting the attached competitive bid (the "bid").

2. My position in the above named company is \_\_\_\_\_.

3. Affiant further states the nature of any partnership, joint venture, or other business  
relationship presently in effect, or which existed within one (1) year prior to the date of this  
Affidavit, with the architect, engineer, or other party to the project is as follows:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(if none, so state)

4. Affiant further states that any such business relationship presently in effect or which existed  
within one (1) year prior to the date of this Affidavit between any official or director of the  
architectural or engineering firm or any other party to the project is as follows:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(if none, so state)

5. Affiant further states that the names of all persons who have any such business relationship  
and the positions they hold with their respective companies or firms are as follows:

\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
(if none, so state)

Further, Affiant saith not.

\_\_\_\_\_  
Signature of Authorized Agent

\_\_\_\_\_  
Title (printed)

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

(SEAL)

My commission expires:

\_\_\_\_\_

\_\_\_\_\_  
Notary Public



## CONSTRUCTION CONTRACT

This Contract is made and entered into this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by and between Alfalfa County, hereinafter called "County," and \_\_\_\_\_, a(n) \_\_\_\_\_, hereinafter called "Contractor."

### W I T N E S S E T H

WHEREAS, in accordance with the state law and the Public Competitive Bidding act of 1974, 61 Okla. Stat. §§ 101 et seq. (hereinafter collectively referred to as "state law"), the County has caused to be prepared certain plans, specifications, and other bidding documents (the "Bidding Documents") for the work hereinafter described; and,

WHEREAS, in accordance with state law, the County has approved and adopted all of said Bidding Documents and has caused an Invitation to Bid to be given and advertised and has received sealed bids for the furnishing of all labor and materials for:

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as outlined and set out in the Bidding Documents and in accordance with the terms and provisions of this Contract; and,

WHEREAS, Contractor, in response to said Invitation to Bid, has submitted to the County, in the manner and at the time specified, a sealed bid in accordance with the terms of the Bidding Documents; and,

WHEREAS, the County, in the manner provided by state law, has publicly opened, examined and canvassed the bids submitted and has determined and declared the above-named Contractor to be the lowest responsible bidder on the above described project; and,

WHEREAS, the County has duly awarded this Contract to said Contractor, for the sum named in the bid, to-wit:

**Dollars and Cents spelled out here (\$0.00).**

NOW THEREFORE, in consideration of the mutual promises, covenants, and conditions herein stated and in consideration of the mutual benefits, which will accrue to the parties, the sufficiency of which is acknowledged by the parties, the parties agree as follows:

1. Incorporation of Bidding Documents. This Contract hereby incorporates, as if fully set out herein, the Plans, Specifications, General Provisions, Special Provisions, Contractor's Proposal and any and all Addendums issued. All of these documents have been provided to and/or by the Contractor and are on file in the Office of the County Clerk. Hereinafter, these documents shall be collectively referred to as "Bidding Documents."
2. Engagement of Contractor. The County hereby engages Contractor to perform certain construction services for the benefit of the County. Contractor accepts such engagement pursuant to the terms and

conditions set forth herein.

3. Scope of Engagement. Contractor shall, in a good and first-class, workmanlike manner, at its own cost and expense, furnish all labor, materials, tools and equipment required to perform and complete said work in strict accordance with the Bidding Documents, with the following additions and/or exceptions: (if none, so state.)

(NONE)

4. Payments to Contractor. The County shall make payments to the Contractor in the following manner:

- a. On or about the first (1st) day of each month, the Engineer, or other appropriate person, will make accurate estimates of the value, based on contract prices, of the work done and materials incorporated in the work and of materials suitably stored at the site thereof during the preceding calendar month. The Contractor shall furnish to the Engineer such detailed information as he may request to aid him as a guide in the preparation of the monthly estimates. Ninety-five percent (95%) of such estimated sum shall be paid to the Contractor within five (5) days after the first regularly scheduled meeting of the County of the following month.
- b. On completion of the work, but prior to the acceptance thereof by the County, it shall be the duty of the Engineer for the County, or other appropriate person, to determine that said work has been completely and fully performed in accordance with this Contract and all incorporated documents; and upon making such determination, said official shall make his final certification to the County.
- c. The Contractor shall furnish proof that all claims and obligations incurred by him in connection with the performance of said work have been fully paid and settled; said information shall be in the form of an affidavit, which shall bear the approval of the surety on the contract bonds, for payment of the final estimate to the Contractor; thereupon, the final estimate (including retainage, but less any liquidated damages), will be approved and paid, within five (5) days after the first regularly scheduled meeting of the County of the following month.

5. Bargaining. The County and the Contractor have had the opportunity to seek independent legal counsel before entering into this Contract. The language of this Contract shall be construed simply, according to its fair meaning, and not strictly for or against either party.

6. Third Party Beneficiaries. Nothing in this Contract, expressed or implied, is intended to confer upon any person other than the parties hereto and their respective assigns, any rights or remedies under or by reason of this Contract, except as provided expressly herein.

7. Notices. Whenever a notice is required to be given in writing and under the terms of this Contract, or any extension hereunder, such notice shall either be hand-delivered or mailed by certified mail, return receipt requested, and directed to the respective parties at the following addresses:

If to the County:

If to Contractor:

Alfalfa County  
300 South Grand  
Cherokee, OK 73728

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

or at such other address as a party shall specify by like notice to the other party hereto. Notices shall be effective on the date of delivery.

8. Counterparts. This Contract may be executed in any number of counterparts, and when each party has signed and delivered to the other at least one (1) such counterpart, each counterpart shall be deemed an original, and when taken together with other signed counterparts, shall constitute one (1) agreement; provided, however, this Contract shall not be binding upon the parties hereto until signed by all of the parties.
9. Integration and Amendments. This Contract constitutes the entire agreement between the parties and may not be amended, altered, modified or changed in any way except in writing signed by all parties to this Contract and which specifically references this Contract. There are no other agreements, representations or warranties, whether oral or written, regarding the subject matter of this Contract. No course of dealings involving the parties hereto and no usage of trade shall be relevant or admissible to interpret, supplement, explain or in any way vary any of the terms expressly set forth in this Contract. Any amendment to this Contract shall be attached to this Contract and all of the terms in this Contract not addressed in the amendment shall remain in full force and effect.
10. Binding Effect. This Contract binds the parties and any successors and assigns of the parties.
11. Severability. If any one or more of the sections, sentences, clauses, or parts be held invalid for any reason, the invalidity of such section, sentence, clause, or part shall not affect nor prejudice the applicability and validity of any other provision of this Contract.

IN WITNESS WHEREOF, the parties hereto have caused this Contract to be executed on the day and year last written below.

Date: \_\_\_\_\_

Alfalfa County,

\_\_\_\_\_  
Chairman

(SEAL)

ATTEST:

\_\_\_\_\_  
County Clerk

Approved as to form:

\_\_\_\_\_  
District Attorney

Date: \_\_\_\_\_

\_\_\_\_\_,  
a(n) \_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

ATTEST:

\_\_\_\_\_  
Secretary and/or Witness

State of Oklahoma                    )  
  ) ss.  
County of \_\_\_\_\_                )

\_\_\_\_\_, of lawful age, being first duly sworn, on oath, says that (s)he is the agent authorized by the Contractor to submit the above Contract to Alfalfa County. Affiant further states that Contractor has not paid, given or donated, or agreed to pay give or donate to any officer or employee of the County, any money or other valuable thing, either directly or indirectly, in the procuring of this Contract.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name/Title

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

(SEAL)

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

My Commission Number: \_\_\_\_\_

## MAINTENANCE BOND

KNOW ALL MEN BY THESE PRESENT, that \_\_\_\_\_, Principal, and \_\_\_\_\_, a corporation organized under the laws of the State of \_\_\_\_\_, and authorized to transact business in the State of Oklahoma, as Surety, are held firmly bound unto Alfalfa County, in the penal sum of \_\_\_\_\_ Dollars (\$\_\_\_\_\_) in lawful money of the United States of America, said sum being the contract price, for the payment of which, well and truly to be made, we bind ourselves and each of us, our heirs, executors, administrators, trustees, successors, and assigns, jointly and severally, firmly by these presents.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

The condition of this obligation is such that:

WHEREAS, said Principal entered into a written contract with Alfalfa County, dated \_\_\_\_\_, 20\_\_\_\_, for:

### **2017 County Road Improvements AF2017-003**

all in compliance with the plans and specifications therefor, made a part of said contract and on file in the Office of the County Clerk, located in the County Courthouse Building in Cherokee, Oklahoma.

NOW, THEREFORE, if said Principal shall pay or cause to be paid to Alfalfa County, Oklahoma, all damage, loss, and expense which may result by reason of defective materials and/or workmanship in connection with said work, occurring within a period of **one (1) year** from and after acceptance of said project by Alfalfa County, Oklahoma; then this obligation shall be null and void, otherwise to be and remain in full force and effect.

It is further expressly agreed and understood by the parties hereto that no changes or alterations in said contract and no deviations from the plan or mode of procedure herein fixed shall have the effect of releasing the sureties, or any of them, from the obligations of this bond.

IN WITNESS WHEREOF, the said Principal has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its duly authorized officers, and the same Surety has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its attorney-in- fact, duly authorized so to do, the day and year first above written.

Principal:

\_\_\_\_\_

By: \_\_\_\_\_

Title

(SEAL)  
ATTEST:

\_\_\_\_\_  
Secretary

Surety:

\_\_\_\_\_

By: \_\_\_\_\_

Attorney-in-Fact

## PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENT, that \_\_\_\_\_, Principal, and \_\_\_\_\_, a corporation organized under the laws of the State of \_\_\_\_\_, and authorized to transact business in the State of Oklahoma, as Surety, are held firmly bound unto Alfalfa County, in the penal sum of \_\_\_\_\_ Dollars (\$\_\_\_\_\_) in lawful money of the United States of America, for the payment of which, well and truly to be made, we bind ourselves and each of us, our heirs, executors, administrators, trustees, successors, and assigns, jointly and severally, firmly by these presents.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

The condition of this obligation is such that:

WHEREAS, said Principal entered into a written contract with Alfalfa County, dated \_\_\_\_\_, 20\_\_\_\_, for:

### **2017 County Road Improvements AF2017-003**

all in compliance with the plans and specifications therefor, made a part of said contract and on file in the Office of the County Clerk, located in the County Courthouse Building in Cherokee, Oklahoma.

NOW, THEREFORE, if said Principal shall in all particulars, well, truly, and faithfully perform and abide by said contract and each and every covenant, condition, and part thereof and shall fulfill all obligations resting upon said principal by the terms of said contract and specifications and if said principal shall protect and save harmless Alfalfa County from any pecuniary loss resulting from the breach of any of the items, covenants and conditions of said contract resting upon said principal, then this obligation shall be null and void, otherwise to be and remain in full force and effect.

It is further expressly agreed and understood by the parties hereto that no changes or alterations in said contract and no deviations from the plan or mode of procedure herein fixed shall have the effect of releasing the sureties, or any of them, from the obligations of this bond.

IN WITNESS WHEREOF, the said Principal has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its duly authorized officers, and the same Surety has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its attorney-in-fact, duly authorized so to do, the day and year first above written.

Principal:

\_\_\_\_\_

By: \_\_\_\_\_

Title

(SEAL)  
ATTEST:

\_\_\_\_\_  
Secretary

Surety:

\_\_\_\_\_

By: \_\_\_\_\_

Attorney-in-Fact

## STATUTORY BOND

KNOW ALL MEN BY THESE PRESENT, that \_\_\_\_\_,  
Principal, and \_\_\_\_\_, a corporation organized under the laws of the State of \_\_\_\_\_, and authorized to transact business in the State of Oklahoma, as Surety, are held firmly bound unto Alfalfa County, in the penal sum of \_\_\_\_\_ Dollars (\$\_\_\_\_\_) in lawful money of the United States of America, for the payment of which, well and truly to be made, we bind ourselves and each of us, our heirs, executors, administrators, trustees, successors, and assigns, jointly and severally, firmly by these presents.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

The condition of this obligation is such that:

WHEREAS, said Principal entered into a written Contract with Alfalfa County, dated \_\_\_\_\_, 20\_\_\_\_, for:

### **2017 County Road Improvements AF2017-003**

all in compliance with the plans and specifications therefor, made a part of said contract and on file in the Office of the County Clerk, located in the County Courthouse Building in Cherokee, Oklahoma.

NOW, THEREFORE, if said Principal shall fail or neglect to pay all indebtedness incurred by said Principal or subcontractors of said Principal who performs work in the performance of such contract, for labor and materials and repairs to and parts of equipment used and consumed in the performance of said contract within thirty (30) days after the same becomes due and payable, the person, firm, or corporation entitled thereto may sue and recover on this bond, the amount so due and unpaid.

It is further expressly agreed and understood by the parties hereto that no changes or alterations in said contract and no deviations from the plan or mode of procedure herein fixed shall have the effect of releasing the sureties, or any of them, from the obligations of this bond.

IN WITNESS WHEREOF, the said Principal has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its duly authorized officers, and the same Surety has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its attorney-in-fact, duly authorized so to do, the day and year first above written.

Principal:

\_\_\_\_\_

By: \_\_\_\_\_

Title

(SEAL)  
ATTEST:

\_\_\_\_\_  
Secretary

Surety:

\_\_\_\_\_

By: \_\_\_\_\_

Attorney-in-Fact

**NOTICE TO PROCEED**

TO:

FROM: ALFALFA COUNTY

YOU ARE HEREBY NOTIFIED that all contract documents have been executed and accepted in relation to the contract on

**2017 County Road Improvements  
AF2017-003**

entered into on the \_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_, by and between the COUNTY and \_\_\_\_\_ and that work may now be commenced in accordance with said Contract. With a contract time of **120** calendar days, the completion date is the \_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_.

DATED at Alfalfa County, Oklahoma this \_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_.

ALFALFA COUNTY

By: \_\_\_\_\_  
Chairman

cc: County Clerk



## INVOICE AFFIDAVIT

STATE OF \_\_\_\_\_ )  
 ) SS.  
COUNTY OF \_\_\_\_\_ )

The undersigned (architect, contractor, supplier, engineer, or supervisory official) of lawful age, being first duly sworn, on oath says that this invoice, claim or contract is true and correct. Affiant further states that the work, services, or materials as shown by this invoice or claim have been completed or supplied in accordance with the plans, specifications, orders or requests furnished to the affiant. Affiant further states that (s) he has made no payment, given or donated or agreed to pay, give or donate either directly or indirectly to any elected official, officer or employee of the State of Oklahoma, of money or any other thing of value to obtain payment or the award of this contract.

2017 County Road Improvements  
**Project Name**

AF2017-003  
**Project No.**

\_\_\_\_\_  
Signature - Contractor or Supplier

\_\_\_\_\_  
Company Name (Print or Type)

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_, Notary Public

My Commission Expires: \_\_\_\_\_

August 12, 2016

<b>TOTAL BASE BID</b>	<b>\$ 801,375.43</b>
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## August 12, 2016

**TOTAL ALTERNATE 1**

August 12, 2016

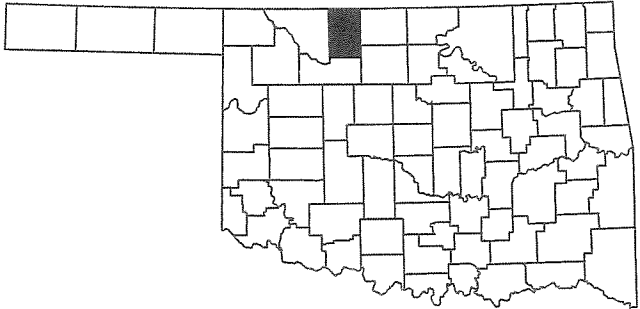
<b>TOTAL ALTERNATE 2</b>	<b>\$ 202,378.49</b>
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FED. ROAD DIST. NO.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
6	AF2017-003	1	43

INDEX OF SHEETS

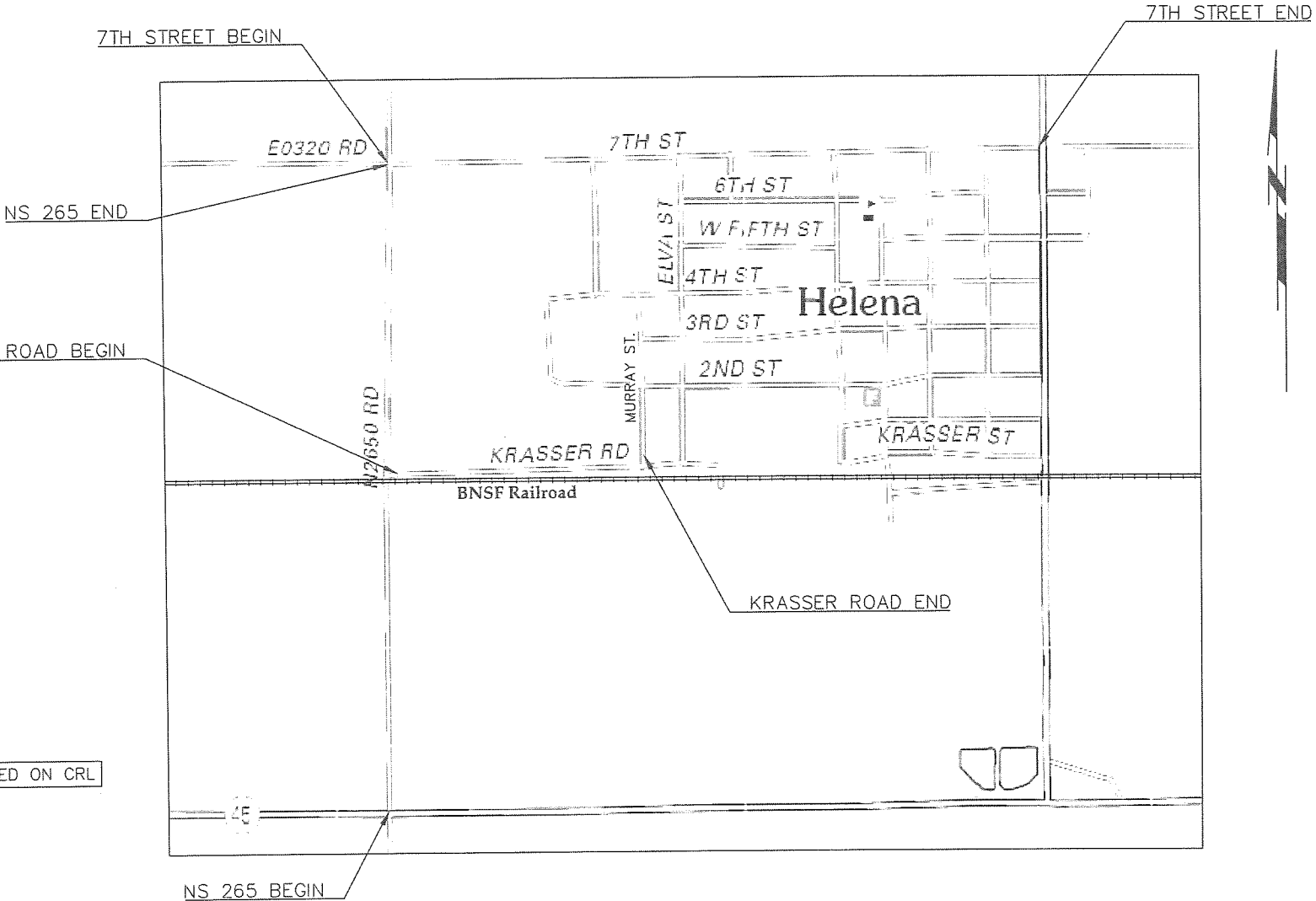
SHEET NO.	DESCRIPTION
1	TITLE
2	TYPICAL SECTIONS
3	DETAILS
4	PAY QUANTITIES & NOTES-7TH STREET
5	PAY QUANTITIES & NOTES-KRASSER ROAD
6	PAY QUANTITIES & NOTES-NS 265
7	SUMMARY SHEET-7TH STREET
8	SUMMARY SHEET-KRASSER ROAD
9	SUMMARY SHEET-NS 265
10	STORM WATER MANAGEMENT PLAN-NS 265
11	TRAFFIC CONTROL PLAN-NS 265
12-16	PLAN AND PROFILE-7TH STREET
17-18	PLAN AND PROFILE-KRASSER ROAD
19-22	PLAN AND PROFILE-NS 265
23	CROSS SECTIONS-KRASSER ROAD
24-43	CROSS SECTIONS-NS 265

STATE OF OKLAHOMA  
ALFALFA COUNTY  
PLAN OF PROPOSED  
2017 COUNTY ROAD  
IMPROVEMENTS  
PROJECT NO. AF2017-003  
GRADE, DRAIN, & SURFACE PLANS  
ALFALFA COUNTY  
HELENA, OK



SURVEY DATA

- HORIZONTAL CONTROL
  - HORIZONTAL CONTROL FOR THIS SURVEY IS THE ESTABLISHED SECTION CORNERS ALONG THE CONSTRUCTION REFERENCE LINE & SECTION LINE
- VERTICAL CONTROL
  - LEVEL DATUM IS MEAN SEA LEVEL (U.S.C. & G.S.)



SCALES 1" = 50'  
PLAN 1" = 50'  
PROFILE HOR. 1" = 50'  
VER. 1" = 5'  
LAYOUT MAP 1" = 5,280'

CONVENTIONAL SIGNS

- PROPOSED ROAD
- RAILROADS
- RANGE & TOWNSHIP
- SECTION LINES
- QUARTER SECTION LINES
- FENCES
- GROUND LINE
- EXISTING ROADS
- BASE LINE
- GRADE LINES
- TELEPHONE & TELEGRAPH
- POWER LINES
- OIL WELLS
- BUILDINGS
- DRAINAGE STRUCTURES-IN PLACE
- DRAINAGE STRUCTURES-NEW
- RIGHT-OF-WAY LINES-EXISTING
- RIGHT-OF-WAY LINES-NEW
- RIGHT-OF-WAY MARKERS-IN PLACE
- RIGHT-OF-WAY MARKERS-REMOVE & RESET
- RIGHT-OF-WAY MARKERS-NEW
- CONTROLLED ACCESS
- RIGHT-OF-WAY FENCE

PROJECT LENGTHS BASED ON CRL

ROADWAY LENGTH 12,814.00 FT. 2.426 MI.  
PROJECT LENGTH 12,814.00 FT. 2.426 MI.  
EXCEPTIONS NONE  
EQUATIONS NONE

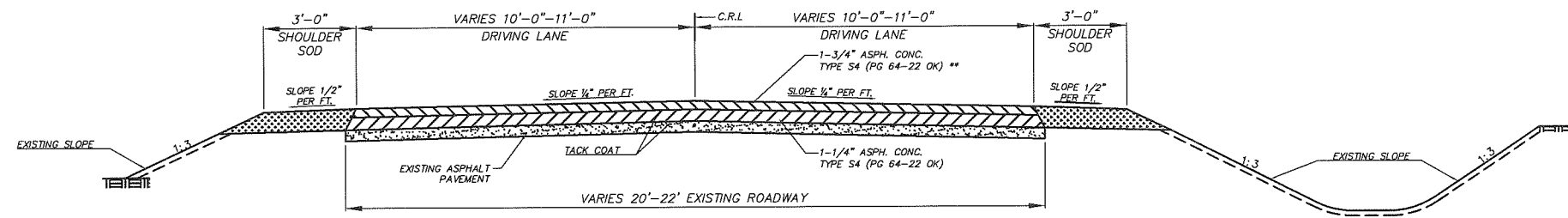
THE FOLLOWING STANDARDS SHALL BE USED:

ROADWAY	SIGNING	TRAFFIC
ASCD-5-1	GMS1-1-00	TCS1-1-01
CET4S-3-1	PM3-1-02	TCS2-1-00
FHTCP-3-0	RS01-1-00	TCS4-1-01
FHTMP-5-0	SBS1-1-00	TCS5-1-00
PDT-1-1	SBS2-1-00	TCS6-1-02
RDI-3-1	SSA1-1-00	TCS7-1-01
SPB-1-2	WSD1-1-00	TCS8-1-00
SPI-4-0		TCS9-1-01
SSS-1-1		

DATE \_\_\_\_\_  
COMM. DIST. 1 \_\_\_\_\_  
COMM. DIST. 2 \_\_\_\_\_  
COMM. DIST. 3 \_\_\_\_\_  
ATTEST \_\_\_\_\_  
COUNTY CLERK

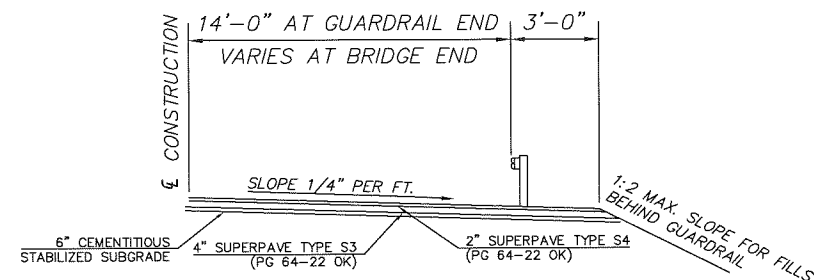
JASON C. BRINLEY  
REGISTERED PROFESSIONAL ENGINEER NO. 19344  
8-11-16

CIRCUIT ENGINEERING DIST. 8  
2901 N. VAN BUREN  
ENID, OK 73703  
(580) 237-4810

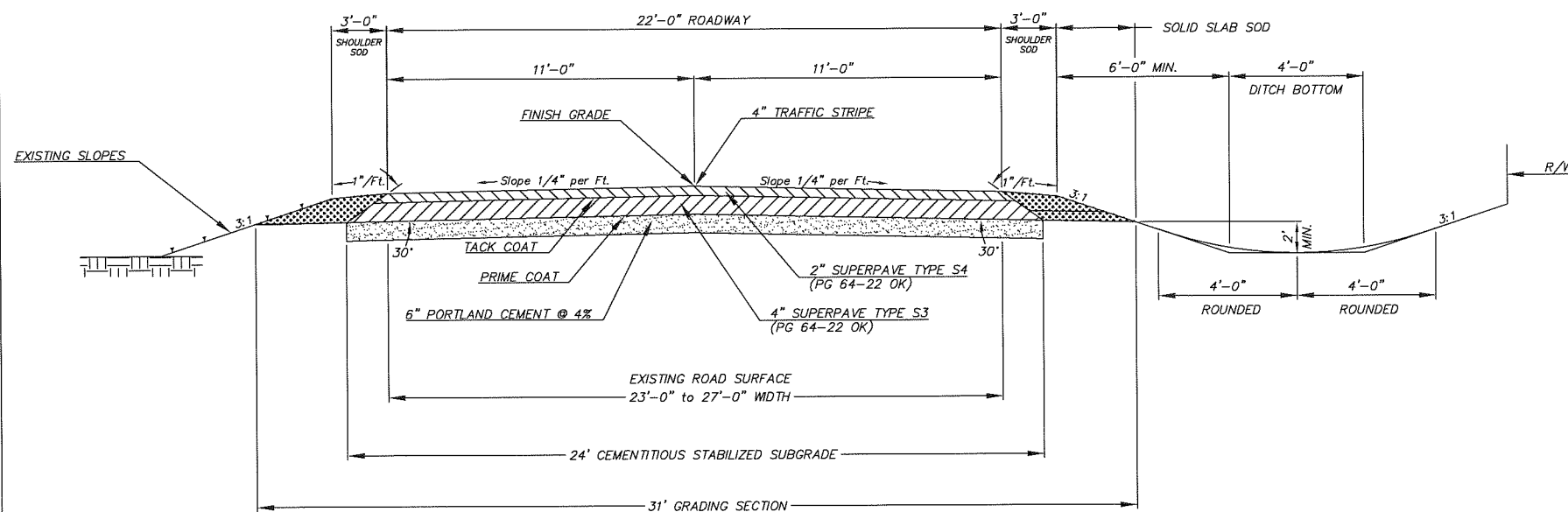


**TYPICAL SECTION 1**  
7TH STREET - 3+26 TO SH-58  
KRASSER ROAD  
NS-265 - SH-45 TO 8+25

\*\* top lift shall be 2" from SH-45 to 8+25

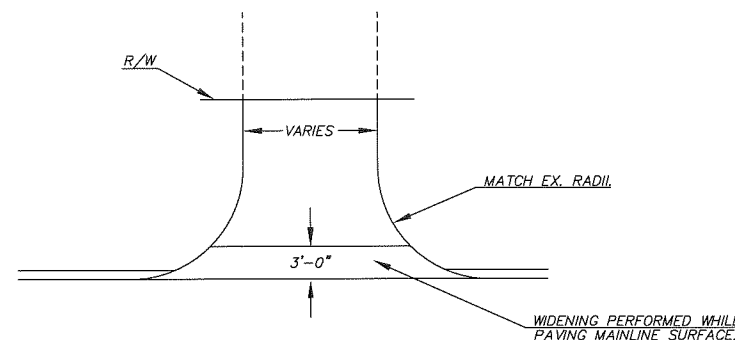


**SHOULDER WIDENING FOR GUARDRAIL**

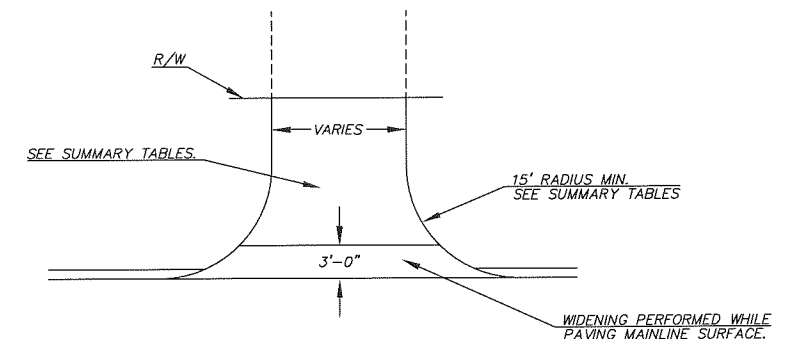


**TYPICAL SECTION 2**  
7TH STREET - 0+87 TO 3+26  
NS 265 - 8+25 TO 7TH STREET

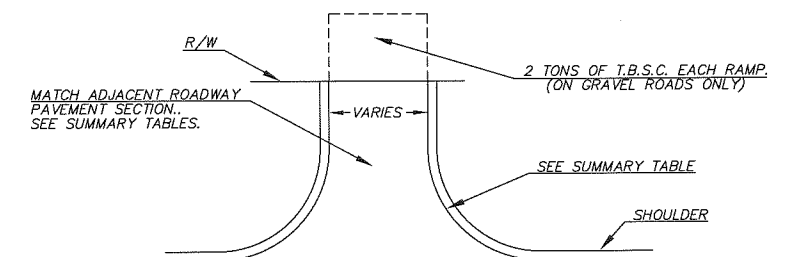
☐ OF CONSTRUCTION WILL GENERALLY FOLLOW THE ☐ OF EXISTING ASPHALT SURFACE EXCEPT AT STRUCTURES WHERE ☐ OF CONSTRUCTION MAY BE SHIFTED TO BETTER FIT THE SURFACE AND SHOULDERS BETWEEN THE HEADWALLS.



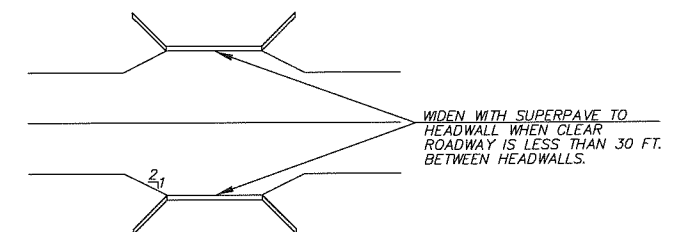
**TYPICAL STREET RETURN**



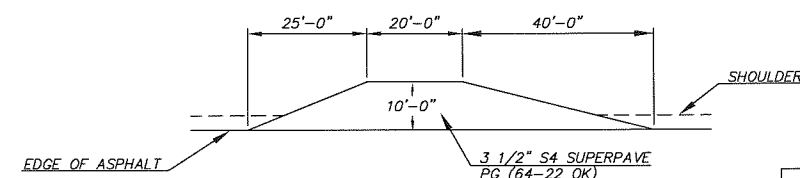
**TYPICAL PRIVATE DRIVE OR FIELD ENTRANCE**



**TYPICAL SECTION LINE RETURN**



**ASPHALT WIDENING AT NARROW STRUCTURES**



**MAILBOX TURNOUT**

ALFALFA COUNTY

BNSF RAILWAY COMPANY NOTES:

NOTIFICATION OF WORK:  
The Contractor is required to give the BNSF Railway Company at least 10 working days advance notice, in writing, before any work is started on the site. To avoid hazards, the BNSF Railway Company may have a representative present, if deemed necessary, for the purpose of inspection and the issuance of any appropriate instructions for railroad operations during the grading, drainage and surfacing work on County Road NS-294 in Garfield County as it relates to the BNSF Railway Company's property that intersects the project.

The contractor shall notify:

Mr.  
BNSF Road Master  
BNSF Railway Company  
7233 South Air Depot  
Oklahoma City, OK 73135  
Phone: 405-670-7693

Mrs. Kamie Young  
Public Projects Manager  
BNSF Railway Company  
4515 Kansas Avenue  
Kansas City, KS 66106  
Phone: 913-551-4484

FLAGGING AND INSURANCE:  
Flagging and Insurance shall be provided as specified in Section 107 of the Standard Specifications and in the Special Provisions for RAILROAD FLAGGING (See Proposal for Special Provisions) and what is stated in the BNSF Railway Company's Contractor's General Construction Agreement, Exhibit "C" and "C-1". BNSF Railway Company, at their discretion, shall provide Flagging for the railroad during construction operations.

The Contractor is required to reimburse BNSF Railway Company for flagging services provided.

The Contractor shall also furnish satisfactory evidence to Garfield County that he has provided insurance of the kinds and amounts as specified in the Special Provisions for RAILROAD INSURANCE and in BNSF Railway Company's Contractor's General Construction Agreement, Exhibit "C" and "C-1".

The Contractor will be required to enter into a Contractor's General Construction Agreement, Exhibit "C" and "C-1" with the BNSF Railway Company before they will be allowed on the railroad's right-of-way.

PRE-WORK MEETING:  
Prior to working on the BNSF Railway Company's right-of-way or in the vicinity of their tracks, you MUST contact the local Roadmaster for the BNSF Railway Company to coordinate your work. It is vital that you have contact with the BNSF Railway Company Roadmaster prior to getting on the railroad's property.

COORDINATION WITH RAILROAD  
The contractor shall conduct construction operations in a manner which will not delay or interfere with train operations. Construction activity within 25 (twenty-five) feet of active tracks will require a flagman to be provided by the BNSF Railway Company at the contractor's expense.

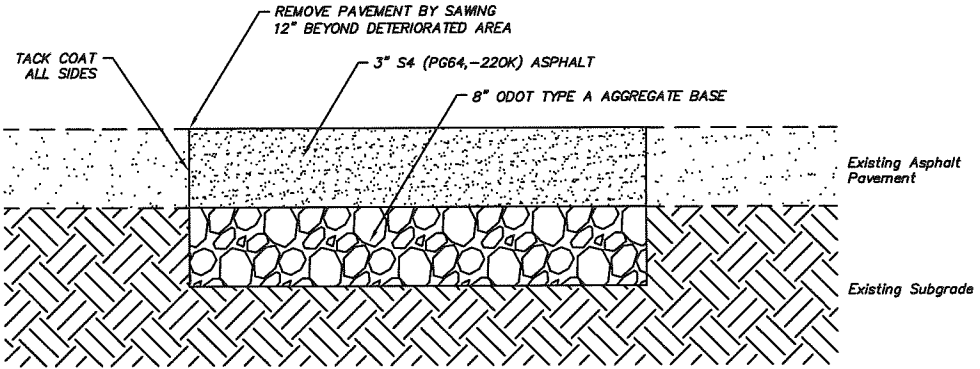
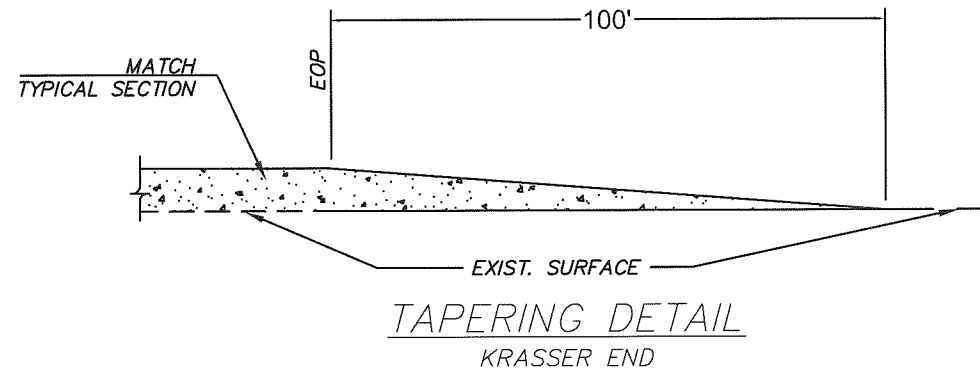
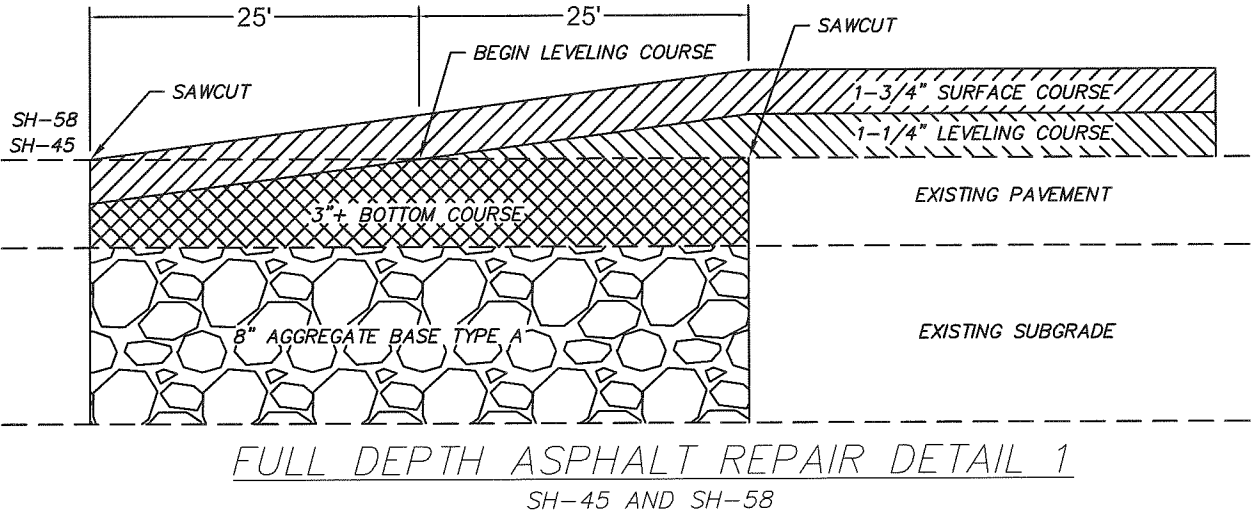
The contractor shall give written notice to the BNSF Railway Company Roadmaster, a minimum of 30 (thirty) calendar days in advance of when flagging is required.

Special permission must be obtained from the BNSF Railway Company before moving any equipment or other object which could make the track impassable if it fell within the area shown on the construction clearance diagram.

Railroad flaggers, protective services, and protective devices will be required, but not limited to, events when:

- The contractor work activities are within 25 (twenty-five) feet of the track, measured from the track centerline.
- Activities are over or under the track.
- Cranes or similar equipment will not be positioned where they could foul the track if they tipped over or experienced some other catastrophic event.
- In the opinion of the BNSF Railway Company Representative:
  - 1) It is necessary to safeguard the BNSF Railway Company property, employees, trains, engines, and facilities.
  - 2) When any excavation is performed below the bottom of the elevations and track or other Union Pacific Railroad Company facilities may be subject to movement or settlement.
  - 3) When work in any way interferes with safe operation of trains and timetable speeds.
  - 4) When any hazard is presented to railroad track, signals, communications, electrical, or other facilities either due to person, material, equipment, or blasting in the area.

RAIL TRAFFIC  
The BNSF Railway Company has 8 trains per day at 49 MPH on the Enid Subdivision.



- NOTES
1. Contractor shall be responsible for location of all underground facilities.
  2. Engineer shall mark repair locations. Contractor shall begin full depth repairs immediately.
  3. Price bid per SF of full depth pavement repair shall include all costs for a complete repair including labor, material, equipment, and sawing to remove and replace pavement.
  4. Compact existing subgrade to a firm and unyielding condition prior to placing aggregate base.
  5. Undercutting and backfilling of additional, unsuitable subgrade shall be performed in a manner approved by the Engineer. Backfill shall be compacted to not less than 95% of standard density. Cost of undercutting and backfilling shall be included in this pay item.

FULL DEPTH ASPHALT REPAIR DETAIL 2  
no transverse cracks are included in this project

ALFALFA COUNTY

DETAILS  
(7TH ST, KRASSER RD, NS 265)

PROJECT NO. AF2017-003

SHEET NO. 3

GENERAL CONSTRUCTION NOTES

THIS PROJECT IS TO BE CONSTRUCTED WITHOUT CLOSING THE EXISTING ROAD TO LOCAL TRAFFIC. SEE STANDARD SPECIFICATIONS FOR MAINTENANCE OF LOCAL TRAFFIC AND THE TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNING IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND TCS STANDARDS. CONSTRUCTION SIGNS OVER 10 SQ. FT. SHALL BE DOUBLE POSTED.

THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO THE COUNTY FOURTEEN (14) CALENDAR DAYS BEFORE ANY CONSTRUCTION OR DEMOLITION BEGINS ON THIS PROJECT.

THE CONTRACTOR SHALL MAINTAIN ALL EXISTING TRAFFIC CONTROL DEVICES SUCH AS STOP SIGNS, WARNING SIGNS, ETC. IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. COST TO BE INCLUDED IN PRICE BID FOR OTHER TRAFFIC CONTROL WORK.

NEW PAVEMENT MARKINGS SHALL BE DONE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND STATE STANDARDS.

ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH THE 2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION ENGLISH VERSION, EXCEPT AS MODIFIED BY THE PLANS AND SPECIAL PROVISIONS.

IN ACCORDANCE WITH THE OKLAHOMA UNDERGROUND FACILITIES DAMAGE PREVENTION ACT THE CONTRACTOR SHALL NOTIFY THE OKLAHOMA ONE-CALL SYSTEM, INC. 48 HOURS "CALL OKIE" 1-800-522-6543 OR 811.

UTILITIES

1. TOWN OF HELENA, 580-852-3250
2. ONEOK

GENERAL CONSTRUCTION NOTES-EROSION CONTROL

GRASS: ALL DISTURBED AREAS AROUND STRUCTURES ONLY SHALL BE SODDED WITH BERMUDA SOLID SLAB SOD IN ACCORDANCE WITH SECTION 230.04(A) OF THE STANDARD SPECIFICATIONS.

FERTILIZER: AREAS ON WHICH BERMUDA SOLID SLAB SOD IS TO BE PLANTED SHALL HAVE 10-20-10 FERTILIZER APPLIED AT THE RATE OF 200 LBS. PER 1,000 SQ. YDS. OF SODDING, ONE HALF AFTER WATERING THE PREPARED SURFACE AND PRIOR TO PLANTING OF SOD, AND ONE HALF AFTER SODDING IS COMPLETED WITH WATERING USED TO INCORPORATE THE FERTILIZER INTO THE SOIL.

WATERING: ALL AREAS TO BE SODDED SHALL BE WATERED BEFORE SOD IS PLANTED TO OBTAIN ADEQUATE SOIL MOISTURE TO A DEPTH OF AT LEAST 5".

SEASONAL PLANTING RESTRICTIONS:

AT THE BEGINNING OF TURFING OPERATIONS, ANY AREAS INCLUDED IN PLANNED QUANTITIES THAT HAVE GROWN A SATISFACTORY VOLUNTEER TURF OF PERENNIAL GRASS, AS DETERMINED BY THE ENGINEER SHALL NOT BE SODDED.

PAY QUANTITY NOTES

- (R-1) PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITY ONLY. SEE SECTION 109.01B OF THE STANDARD SPECIFICATIONS.
- (R-20) ESTIMATE AT 21.6 LBS./SY. (SOIL EST. AT 120 LBS/CF.)
- (R-28) PRIME COAT SHALL BE APPLIED AT AN ESTIMATED RATE OF 0.35 GAL. PER SQ. YD. WHEN APPLIED TO SUBGRADE, AND 0.25 GAL. PER YD. WHEN APPLIED TO AGGREGATE BASE. THE ACTUAL CUTBACK PRIME COAT REQUIRED FOR PLACEMENT OPERATIONS WILL BE DETERMINED BY THE CONTRACTOR, AND SHALL CONSIDER THE RESIDUE FROM DISTILLATION PERCENTAGE SHOWN IN SECTION 708.03 OF THE STANDARD SPECIFICATIONS.
- (R-32) ESTIMATED AT 112 LBS. PER SQ. YD. PER 1" THICK.
- (1) PRICE BID TO INCLUDE COST OF SILT REMOVAL.
- (2) ESTIMATED QUANTITY ONLY TO BE USED FOR EROSION AND SEDIMENT CONTROL IN A MANNER APPROVED BY THE ENGINEER (SEE STANDARDS. TSC2-3 & TSD-2).
- (3) SOLID SLAB QUANTITIES TO BE FIELD MEASURED BEFORE CUTTING SOD. PRICE BID TO INCLUDE WATERING, ESTIMATED AT 40 GAL. PER S.Y. AND 10-20-10 FERTILIZER AT 200 LBS. PER 1000 S.Y. CONTRACTOR WILL SUPPLY SUFFICIENT WATER TO PRODUCE ADEQUATE GRASS GROWTH AS APPROVED BY THE ENGINEER. SODDING TO BE PLACED ON DISTURBED AREAS AROUND BRIDGE AND STRUCTURES, AS DIRECTED BY THE ENGINEER.
- (4) ESTIMATED AT 141 LBS. PER C. F.
- (5) ESTIMATED AT 0.05 GAL. PER SQ. YD. PRIOR TO DILUTION.
- (6) TO BECOME PROPERTY OF THE CONTRACTOR.
- (7) PRIDE BID TO INCLUDE DELIVERING THE EXISTING SIGNS AND REFLECTORS ON THE RIGHT-OF-WAY TO THE COUNTY YARD LOCATED AT 1ST ST. AND KINGMAN ST. IN HELENA.
- (8) PRICE BID INCLUDE THE POSTS AND HARDWARE FOR INSTALLATION. THE HEIGHT OF A SIGN, MEASURED FROM THE EDGE OF PAVEMENT TO THE BOTTOM OF SIGN, SHALL NOT EXCEED 8 FT.
- (9) SHALL INCLUDE ALL TRAFFIC CONTROL DEVICES NECESSARY TO REGULATE TRAFFIC DURING CONSTRUCTION. THIS ITEM SHALL BE PAID FOR AS A LUMP SUM DUE TO MINOR EXTENT OF CONSTRUCTION FOR THIS PROJECT. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH STATE STANDARDS AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
- (10) IN ADDITION TO THE RESPONSIBILITIES SHOWN IN THE SPECIFICATIONS, CONTRACTOR SHALL PROVIDE 1) STATIONING FOR ASPHALT FIELD CALCULATIONS, 2) HORIZONTAL AND VERTICAL CONTROL, AND 3) A LICENSED SURVEYOR TO RESET ALL SECTION CORNERS.
- (11) THIS ITEM REFERENCES THE FULL-DEPTH ASPHALT REPAIR DETAILS AND WILL BE USED WHEN THE SUBGRADE MUST BE REPLACED.
- (12) THIS ITEM INCLUDES MILLING THE EXISTING PAVEMENT DISTRESS AREA TO THE DEPTH OF APPROX. 3 IN. AND FILLING WITH NEW ASPHALT.

AF2015-1					
PAY QUANTITIES - 7TH STREET					
0100 ROADWAY					
Item No.		Description		Unit	Quantity
202(A)	0183	Unclassified Excavation	(R-1)	C.Y.	35.41
202(D)	0184	Unclassified Borrow	(R-1)	C.Y.	520.00
221(F)	0100	Temporary Silt Dike	(1)(2)	L.F.	105.00
230(A)	2806	Solid Slab Sodding	(3)	S.Y.	8,174.44
307(C)	4220	Portland Cement	(R-20)	Ton	6.88
307(E)	4240	Cementitious Stabilized Subgrade		S.Y.	637.33
402(E)	0225	Traffic Bound Surface Course Type E	(4)	Ton	120.00
407(B)	0250	Tack Coat	(5)	Gal	1,843.31
408	5774	Prime Coat	(R-28)	Gal	204.48
411(B)	5945	Superpave, Type S3 (PG 64-22 OK)	(R-32)	Ton	130.87
411(C )	5960	Superpave, Type S4 (PG 64-22 OK)	(R-32)	Ton	2,184.21
411(I)	6310	Superpave, Type S4(Patch)(PG64-22OK)	(12)(R-32)	Ton	210.00
		Full-Depth Asphalt Repair	(11)	S.F.	2,500.00
509(D)	0325	Class C Concrete		C.Y.	10.00
613(B)	4527	21" x 15" Corr. Galv. Steel Pipe Arch		L.F.	40.00
613(L)	4504	21" x 15" Prefab. Culvert End Section, Arch		EA.	2.00
619(B)	4728	Removal of Asphalt Pavement		S.Y.	584.22
619(B)	5918	Removal of Existing Pipe	(6)	L.F.	20.00
850(A)	8110	Sheet Aluminum Signs	(7)(8)	S.F.	44.18
856(A)	8530	Traffic Stripe (Multi-Polymer){4" Wide}		L.F.	3,568.27
880(J)	8905	Construction Traffic Control	(9)	L. Sum	1.00

AF2015-1				
PAY QUANTITIES - 7TH STREET				
0640 CONSTRUCTION				
220	2800	SWPPP Documentation and Management	L. Sum	1.00
641	1552	Mobilization	L. Sum	1.00

AF2015-1					
PAY QUANTITIES - 7TH STREET					
0600 STAKING					
642(B)	0096	Construction Staking Level II	(10)	L. Sum	1.00

ALFALFA COUNTY

SUMMARY OF PAY QUANTITIES  
(7TH STREET)

PROJECT NO. AF2017-003

SHEET NO. 4



GENERAL CONSTRUCTION NOTES

THIS PROJECT IS TO BE CONSTRUCTED WITHOUT CLOSING THE EXISTING ROAD TO LOCAL TRAFFIC. SEE STANDARD SPECIFICATIONS FOR MAINTENANCE OF LOCAL TRAFFIC AND THE TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNING IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND TCS STANDARDS. CONSTRUCTION SIGNS OVER 10 SQ. FT. SHALL BE DOUBLE POSTED.

THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO THE COUNTY FOURTEEN (14) CALENDAR DAYS BEFORE ANY CONSTRUCTION OR DEMOLITION BEGINS ON THIS PROJECT.

THE CONTRACTOR SHALL MAINTAIN ALL EXISTING TRAFFIC CONTROL DEVICES SUCH AS STOP SIGNS, WARNING SIGNS, ETC. IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. COST TO BE INCLUDED IN PRICE BID FOR OTHER TRAFFIC CONTROL WORK.

NEW PAVEMENT MARKINGS SHALL BE DONE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND STATE STANDARDS.

ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH THE 2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION ENGLISH VERSION, EXCEPT AS MODIFIED BY THE PLANS AND SPECIAL PROVISIONS.

IN ACCORDANCE WITH THE OKLAHOMA UNDERGROUND FACILITIES DAMAGE PREVENTION ACT THE CONTRACTOR SHALL NOTIFY THE OKLAHOMA ONE-CALL SYSTEM, INC. 48 HOURS "CALL OKIE" 1-800-522-6543 OR 811.

UTILITIES

1. TOWN OF HELENA, 580-852-3250

GENERAL CONSTRUCTION NOTES-EROSION CONTROL

GRASS: ALL DISTURBED AREAS AROUND STRUCTURES ONLY SHALL BE SODDED WITH BERMUDA SOLID SLAB SOD IN ACCORDANCE WITH SECTION 230.04(A) OF THE STANDARD SPECIFICATIONS.

FERTILIZER: AREAS ON WHICH BERMUDA SOLID SLAB SOD IS TO BE PLANTED SHALL HAVE 10-20-10 FERTILIZER APPLIED AT THE RATE OF 200 LBS. PER 1,000 SQ. YDS. OF SODDING, ONE HALF AFTER WATERING THE PREPARED SURFACE AND PRIOR TO PLANTING OF SOD, AND ONE HALF AFTER SODDING IS COMPLETED WITH WATERING USED TO INCORPORATE THE FERTILIZER INTO THE SOIL.

WATERING: ALL AREAS TO BE SODDED SHALL BE WATERED BEFORE SOD IS PLANTED TO OBTAIN ADEQUATE SOIL MOISTURE TO A DEPTH OF AT LEAST 5".

SEASONAL PLANTING RESTRICTIONS:

AT THE BEGINNING OF TURFING OPERATIONS, ANY AREAS INCLUDED IN PLANNED QUANTITIES THAT HAVE GROWN A SATISFACTORY VOLUNTEER TURF OF PERENNIAL GRASS, AS DETERMINED BY THE ENGINEER SHALL NOT BE SODDED.

PAY QUANTITY NOTES

(R-1) PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITY ONLY. SEE SECTION 109.01B OF THE STANDARD SPECIFICATION. (shoulders and pipe removal)

(R-32) ESTIMATED AT 112 LBS. PER SQ. YD. PER 1" THICK.

- (1) PRICE BID TO INCLUDE COST OF SILT REMOVAL.
- (2) ESTIMATED QUANTITY ONLY TO BE USED FOR EROSION AND SEDIMENT CONTROL IN A MANNER APPROVED BY THE ENGINEER (SEE STANDARDS. TSC2-3 & TSD-2).
- (3) SOLID SLAB QUANTITIES TO BE FIELD MEASURED BEFORE CUTTING SOD. PRICE BID TO INCLUDE WATERING, ESTIMATED AT 40 GAL. PER S.Y. AND 10-20-10 FERTILIZER AT 200 LBS. PER 1000 S.Y. CONTRACTOR WILL SUPPLY SUFFICIENT WATER TO PRODUCE ADEQUATE GRASS GROWTH AS APPROVED BY THE ENGINEER. SODDING TO BE PLACED ON DISTURBED AREAS AROUND BRIDGE AND STRUCTURES, AS DIRECTED BY THE ENGINEER.
- (4) ESTIMATED AT 141 LBS. PER C. F.
- (5) ESTIMATED AT 0.05 GAL. PER SQ. YD. PRIOR TO DILUTION.
- (6) PRICE BID TO INCLUDE THE COST OF TRENCH EXCAVATION AND STANDARD BEDDING MATERIAL CLASS B.
- (7) TO BECOME PROPERTY OF THE CONTRACTOR.
- (8) PRIDE BID TO INCLUDE DELIVERING THE EXISTING SIGNS AND REFLECTORS ON THE RIGHT-OF-WAY TO THE COUNTY YARD LOCATED AT 1ST ST. AND KINGMAN ST. IN HELENA.
- (9) PRICE BID INCLUDE THE POSTS AND HARDWARE FOR INSTALLATION. THE HEIGHT OF A SIGN, MEASURED FROM THE EDGE OF PAVEMENT TO THE BOTTOM OF SIGN, SHALL NOT EXCEED 8 FT.
- (10) SHALL INCLUDE ALL TRAFFIC CONTROL DEVICES NECESSARY TO REGULATE TRAFFIC DURING CONSTRUCTION. THIS ITEM SHALL BE PAID FOR AS A LUMP SUM DUE TO MINOR EXTENT OF CONSTRUCTION FOR THIS PROJECT. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH STATE STANDARDS AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
- (11) IN ADDITION TO THE RESPONSIBILITIES SHOWN IN THE SPECIFICATIONS. CONTRACTOR TO PROVIDE STATIONING FOR ASPHALT FIELD CALCULATIONS AND HORIZONTAL AND VERTICAL CONTROL.
- (12) THIS ITEM REFERENCES THE FULL-DEPTH ASPHALT REPAIR DETAILS AND WILL BE USED WHEN THE SUBGRADE MUST BE REPLACED.
- (13) THIS ITEM INCLUDES MILLING THE EXISTING PAVEMENT DISTRESS AREA TO THE DEPTH OF APPROX. 3 IN. AND FILLING WITH NEW ASPHALT.

AF2015-1					
PAY QUANTITIES - KRASSER ROAD					
0100 ROADWAY					
Item No.		Description		Unit	Quantity
202(D)	0184	Unclassified Borrow	(R-1)	C.Y.	240.00
221(F)	0100	Temporary Silt Dike	(1)(2)	L.F.	56.00
230(A)	2806	Solid Slab Sodding	(3)	S.Y.	3,981.00
402(E)	0225	Traffic Bound Surface Course Type E	(4)	Ton	26.00
407(B)	0250	Tack Coat	(5)	Gal	773.30
411(C )	5960	Superpave, Type S4 (PG 64-22 OK)	(R-32)	Ton	875.10
411(I)	6310	Superpave, Type S4(Patch)(PG64-22OK)	(13)(R-32)	Ton	60.00
		Full-Depth Asphalt Repair	(12)	S.F.	400.00
509(B)	0321	Class A Concrete		C.Y.	1.50
509(D)	0325	Class C Concrete		C.Y.	10.00
511(A)	0332	Reinforcing Steel		LBS	250.00
613(A)	4496	28" X 18" R.C.Pipe Arch Class A-III	(6)	L.F.	224.00
613(M)	7187	Type B4 Culvert End Treatment		EA.	3.00
613(M)	7192	Type BB4 Culvert End Treatment		EA.	4.00
619(B)	5918	Removal of Existing Pipe	(7)	L.F.	176.00
619(A)	6189	Removal of Existing Slab		S.Y.	11.00
850(A)	8110	Sheet Aluminum Signs	(8)(9)	S.F.	22.25
856(A)	8530	Traffic Stripe (Multi-Polymer)(4" Wide)		L.F.	845.33
880(J)	8905	Construction Traffic Control	(10)	L. Sum	1.00

AF2015-1					
PAY QUANTITIES - KRASSER ROAD					
0640 CONSTRUCTION					
641	1552	Mobilization		L. Sum	1.00

AF2015-1					
PAY QUANTITIES - KRASSER ROAD					
0600 STAKING					
642(B)	0096	Construction Staking Level II	(11)	L. Sum	1.00

ALFALFA COUNTY

SUMMARY OF PAY QUANTITIES  
(KRASSER ROAD)

PROJECT NO. AF2017-003

SHEET NO. 5

GENERAL CONSTRUCTION NOTES

THIS PROJECT IS TO BE CONSTRUCTED WITHOUT CLOSING THE EXISTING ROAD TO LOCAL TRAFFIC. SEE STANDARD SPECIFICATIONS FOR MAINTENANCE OF LOCAL TRAFFIC AND THE TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNING IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND TCS STANDARDS. CONSTRUCTION SIGNS OVER 10 SQ. FT. SHALL BE DOUBLE POSTED.

THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO THE COUNTY FOURTEEN (14) CALENDAR DAYS BEFORE ANY CONSTRUCTION OR DEMOLITION BEGINS ON THIS PROJECT.

THE CONTRACTOR SHALL MAINTAIN ALL EXISTING TRAFFIC CONTROL DEVICES SUCH AS STOP SIGNS, WARNING SIGNS, ETC. IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. COST TO BE INCLUDED IN PRICE BID FOR OTHER TRAFFIC CONTROL WORK.

NEW PAVEMENT MARKINGS SHALL BE DONE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND STATE STANDARDS.

ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH THE 2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION ENGLISH VERSION, EXCEPT AS MODIFIED BY THE PLANS AND SPECIAL PROVISIONS.

IN ACCORDANCE WITH THE OKLAHOMA UNDERGROUND FACILITIES DAMAGE PREVENTION ACT THE CONTRACTOR SHALL NOTIFY THE OKLAHOMA ONE-CALL SYSTEM, INC. 48 HOURS "CALL OKIE" 1-800-522-6543 OR 811.

UTILITIES

1. TOWN OF HELENA, 580-852-3250

PAY QUANTITY NOTES

- (R-1) PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITY ONLY. SEE SECTION 109.01B OF THE STANDARD SPECIFICATIONS.
- (R-20) ESTIMATE AT 21.6 LBS./SY. (SOIL EST. AT 120 LBS/CF.)
- (R-28) PRIME COAT SHALL BE APPLIED AT AN ESTIMATED RATE OF 0.35 GAL. PER SQ. YD. WHEN APPLIED TO SUBGRADE, AND 0.25 GAL. PER YD. WHEN APPLIED TO AGGREGATE BASE. THE ACTUAL CUTBACK PRIME COAT REQUIRED FOR PLACEMENT OPERATIONS WILL BE DETERMINED BY THE CONTRACTOR, AND SHALL CONSIDER THE RESIDUE FROM DISTILLATION PERCENTAGE SHOWN IN SECTION 708.03 OF THE STANDARD SPECIFICATIONS.
- (R-32) ESTIMATED AT 112 LBS. PER SQ. YD. PER 1" THICK.
- (1) PRICE BID TO INCLUDE COST OF SILT REMOVAL.
- (2) ESTIMATED QUANTITY ONLY TO BE USED FOR EROSION AND SEDIMENT CONTROL IN A MANNER APPROVED BY THE ENGINEER (SEE STANDARDS. TSC2-3 & TSD-2).
- (3) SOLID SLAB QUANTITIES TO BE FIELD MEASURED BEFORE CUTTING SOD. PRICE BID TO INCLUDE WATERING, ESTIMATED AT 40 GAL. PER S.Y. AND 10-20-10 FERTILIZER AT 200 LBS. PER 1000 S.Y. CONTRACTOR WILL SUPPLY SUFFICIENT WATER TO PRODUCE ADEQUATE GRASS GROWTH AS APPROVED BY THE ENGINEER. SODDING TO BE PLACED ON DISTURBED AREAS AROUND BRIDGE AND STRUCTURES, AS DIRECTED BY THE ENGINEER.
- (4) ESTIMATED AT 141 LBS. PER C. F.
- (5) ESTIMATED AT 0.05 GAL. PER SQ. YD. PRIOR TO DILUTION.
- (6) PRICE BID TO INCLUDE THE COST OF TRENCH EXCAVATION AND STANDARD BEDDING MATERIAL CLASS B.
- (7) TO BECOME PROPERTY OF THE CONTRACTOR.
- (8) PRIDE BID TO INCLUDE DELIVERING THE EXISTING SIGNS AND REFLECTORS ON THE RIGHT-OF-WAY TO THE COUNTY YARD LOCATED AT 1ST ST. AND KINGMAN ST. IN HELENA.
- (9) PRICE BID INCLUDE THE POSTS AND HARDWARE FOR INSTALLATION. THE HEIGHT OF A SIGN, MEASURED FROM THE EDGE OF PAVEMENT TO THE BOTTOM OF SIGN, SHALL NOT EXCEED 8 FT.
- (10) SHALL INCLUDE ALL TRAFFIC CONTROL DEVICES NECESSARY TO REGULATE TRAFFIC DURING CONSTRUCTION. THIS ITEM SHALL BE PAID FOR AS A LUMP SUM DUE TO MINOR EXTENT OF CONSTRUCTION FOR THIS PROJECT. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH STATE STANDARDS AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
- (11) IN ADDITION TO THE RESPONSIBILITIES SHOWN IN THE SPECIFICATIONS. CONTRACTOR SHALL PROVIDE 1) STATIONING FOR ASPHALT FIELD CALCULATIONS, 2) HORIZONTAL AND VERTICAL CONTROL, AND 3) A LICENSED SURVEYOR TO RESET ALL SECTION CORNERS.
- (12) THIS PAY ITEM WILL INCLUDE SKT-SP-MSG OR APPROVED SUBSTITUTE. THE ET-PLUS WILL NOT BE ALLOWED.
- (13) THIS ITEM REFERENCES THE FULL-DEPTH ASPHALT REPAIR DETAILS AND WILL BE USED WHEN THE SUBGRADE MUST BE REPLACED.
- (14) THIS ITEM INCLUDES MILLING THE EXISTING PAVEMENT DISTRESS AREA TO THE DEPTH OF APPROX. 3 IN. AND FILLING WITH NEW ASPHALT.
- (15) THE CONTRACTOR SHALL DELIVER ALL MILLINGS NOT INCORPORATED INTO THE SUBGRADE TO THE COUNTY YARD.
- (16) THIS ITEM SHALL BE MEASURED AT THE BORROW PIT.

GENERAL CONSTRUCTION NOTES-EROSION CONTROL

GRASS: ALL DISTURBED AREAS AROUND STRUCTURES ONLY SHALL BE SODDED WITH BERMUDA SOLID SLAB SOD IN ACCORDANCE WITH SECTION 230.04(A) OF THE STANDARD SPECIFICATIONS.

FERTILIZER: AREAS ON WHICH BERMUDA SOLID SLAB SOD IS TO BE PLANTED SHALL HAVE 10-20-10 FERTILIZER APPLIED AT THE RATE OF 200 LBS. PER 1,000 SQ. YDS. OF SODDING, ONE HALF AFTER WATERING THE PREPARED SURFACE AND PRIOR TO PLANTING OF SOD, AND ONE HALF AFTER SODDING IS COMPLETED WITH WATERING USED TO INCORPORATE THE FERTILIZER INTO THE SOIL.

WATERING: ALL AREAS TO BE SODDED SHALL BE WATERED BEFORE SOD IS PLANTED TO OBTAIN ADEQUATE SOIL MOISTURE TO A DEPTH OF AT LEAST 5".

SEASONAL PLANTING RESTRICTIONS:

AT THE BEGINNING OF TURFING OPERATIONS, ANY AREAS INCLUDED IN PLANNED QUANTITIES THAT HAVE GROWN A SATISFACTORY VOLUNTEER TURF OF PERENNIAL GRASS, AS DETERMINED BY THE ENGINEER SHALL NOT BE SODDED.

AF2015-1					
PAY QUANTITIES - NS-265					
0100 ROADWAY					
Item No.		Description		Unit	Quantity
202(A)	0183	Unclassified Excavation	(R-1)	C.Y.	2,395.39
202(D)	0184	Unclassified Borrow	(16)	C.Y.	3,615.04
221(F)	0100	Temporary Silt Dike	(1)(2)	L.F.	210.00
230(A)	2806	Solid Slab Sodding	(3)	S.Y.	8,164.00
307(C)	4220	Portland Cement	(R-20)	Ton	137.84
307(E)	4240	Cementitious Stabilized Subgrade		S.Y.	13,006.56
311(D)	0154	Processing Existing Base & Surface, Method B	(15)	L.F.	1,787.00
402(E)	0225	Traffic Bound Surface Course Type E	(4)	Ton	40.00
407(B)	0250	Tack Coat	(5)	Gal	759.81
408	5774	Prime Coat	(R-28)	Gal	4,204.16
411(B)	5945	Superpave, Type S3 (PG 64-22 OK)	(R-32)	Ton	2,690.66
411(C )	5960	Superpave, Type S4 (PG 64-22 OK)	(R-32)	Ton	1,708.03
411(I)	6310	Superpave, Type S4(Patch)(PG64-22OK)	(14)(R-32)	Ton	30.00
		Full-Depth Asphalt Repair	(13)	S.F.	2,500.00
501(A)	0313	Structural Excavation Unclassified		C.Y.	55.00
501(G)	6315	CLSM Backfill		C.Y.	55.00
509(D)	0325	Class C Concrete		C.Y.	10.00
601(A)	0297	Type I Plain Riprap		Ton	15.00
613(A)	4496	22" x 13" R.C.Pipe Arch Class A-III	(6)	L.F.	56.00
613(A)	4497	36" x 22" R.C.Pipe Arch Class A-III	(6)	L.F.	56.00
613(B)	4527	21" x 15" Corr. Galv. Steel Pipe Arch	(6)	L.F.	48.00
613(L)	4504	21" x 15" Prefab. Culvert End Section, Arch		EA.	2.00
613(M)	7187	Type A4 Culvert End Treatment		EA.	1.00
613(M)	7187	Type B4 Culvert End Treatment		EA.	2.00
619(B)	5918	Removal of Existing Pipe	(7)	L.F.	131.00
619(C)	0924	Sawing Pavement		L.F.	270.00
623(A)	0932	Beam Guardrail W-Beam Single		L.F.	100.00
623(F)	5686	Guardrail Anchor Unit (Type D-BF)		EA.	4.00
623(G)	8571	Guardrail End Treatment (GET)	(12)	EA.	4.00
850(A)	8110	Sheet Aluminum Signs	(8)(9)	S.F.	45.93
856(A)	8530	Traffic Stripe (Multi-Polymer)(4" Wide)		L.F.	2,205.87
856(B)	8525	Traffic Stripe (Multi-Polymer)(Symbols,Words,Etc.)		EA.	2.00
880(J)	8905	Construction Traffic Control	(10)	L. Sum	1.00

AF2015-1					
PAY QUANTITIES - NS-265					
0640 CONSTRUCTION					
220	2800	SWPPP Documentation and Management		L. Sum	1.00
641	1552	Mobilization		L. Sum	1.00

AF2015-1					
PAY QUANTITIES - NS-265					
0600 STAKING					
642(B)	0096	Construction Staking Level II	(11)	L. Sum	1.00

ALFALFA COUNTY

SUMMARY OF PAY QUANTITIES  
(NS 265)

PROJECT NO. AF2017-003

SHEET NO. 6

SUMMARY OF MAINLINE SURFACING QUANTITIES									
Station Extent	Length	Superpave Type S3 (PG 64-22 OK)	Superpave Type S4 (PG 64-22 OK)	Cementious Stabilized Subgrade	Portland Cement	Prime Coat	Tack Coat	Removal of Asphalt Pavement	Unclassified Excavation
		Tons	Tons	S.Y.	Tons	Gal.	Gal.	S.Y.	C.Y.
00+87.00 TO 03+26.00	239.00	130.87	65.43	637.33	6.88	204.48	29.21	584.22	35.41
03+26.00 TO 52+55.00	4,929.00	0.00	2,024.18	0.00	0.00	0.00	1,807.30	0.00	0.00
TOTAL	5,168.00	130.87	2,089.61	637.33	6.88	204.48	1,836.51	584.22	35.41

SUMMARY OF SECTION LINE RETURNS					
Station	Location	Style	Width	Superpave Type S4 PG(64,-22)OK	Tack Coat
			FT.	TON	GALS
52+55	RT	SLR	40	3.0	2.7
52+55	LT	SLR	52	4.5	4.0
TOTAL				7.6	6.8

SUMMARY OF SIGNS							
Station	Location	Type	Size	Sign Area	Square Tube Posts 2-1/4" x 12 ga.		Label
					Sign Post Length	Lateral Clearance from Surface	
					S.F.	Ft.	
2+21	RT	SPEED LIMIT	24x30	5.00	10	6	R2-1(35)
24+48	RT	SPEED LIMIT	24x30	5.00	10	6	R2-1(25)
33+83	LT	SPEED LIMIT	24x30	5.00	10	6	R2-1(25)
44+20	RT	SPEED LIMIT	24x30	5.00	10	6	R2-1(25)
44+20	RT	END SCHOOL ZONE	24x30	5.00	10	6	S5-2
47+84	LT	REDUCE SPEED SCHOOL ZONE AHEAD	36x36	9.00	10	6	S4-5
50+24	LT	SPEED LIMIT	24x30	5.00	10	6	R2-1(25)
52+43	RT	STOP	30x30	5.18	10	6	R1-1
Total				44.18	80.00		

SUMMARY OF TRAFFIC STRIPE								
Station Extent	4" Dashed Yellow			4" Solid Yellow		8" White Solid	24" White Solid	Traffic Stripe (Plastic) (4" Wide) 855(A)
	Left	Center	Right	Left	Right			
	LF	LF	LF	LF	LF		LF	LF
0+87 to 17+00		430.13						430.13
17+00 to 26+50	253.33				950.00			1,203.33
26+50 to 27+00				50.00	50.00			100.00
27+00 to 36+50			253.33	950.00				1,203.33
36+50 to 51+93		411.47						411.47
51+93 to 52+43						50.00		100.00
52+43 to 52+43							20.00	120.00
TOTAL								3,568.27

SUMMARY OF DRIVES						
Station	Location	Style	Width	Area	4" T.B.S.C.	4" Superpave, Type S4 PG(64,-22)OK
			FT.	SF	TONS	Tons
01+08	Rt.	FIELD	29	737	17	3
02+54	Lt.	FIELD	31	916	21	3
06+97	Lt.	FIELD	10	285	7	3
07+21	Rt.	FIELD	25	769	0	3
09+85	Lt.	FIELD	89	2057	0	12
10+57	Lt.	FIELD	9	207	0	3
16+63	Rt.	STREET	16	453	0	3
20+59	Rt.	FIELD	26	758	0	3
23+87	Rt.	STREET	23	257	0	3
26+17	Lt.	FIELD	20	476	11	3
26+38	Rt.	PRIVATE	20	425	0	3
27+09	Rt.	PRIVATE	16	397	0	3
28+92	Rt.	STREET	16	693	0	3
31+86	Rt.	PRIVATE	22	480	0	3
32+80	Rt.	PRIVATE	11	319	0	3
33+64	Rt.	PRIVATE	14	291	0	3
34+52	Rt.	PRIVATE	24	475	0	3
36+10	Rt.	STREET	22	1322	0	6
37+55	Rt.	PRIVATE	26	534	12	3
38+87	Rt.	PRIVATE	22	485	11	3
41+07	Rt.	PRIVATE	28	719	17	3
43+58	Rt.	STREET	18	948	0	3
45+35	Rt.	PRIVATE	18	394	9	3
45+81	Rt.	PRIVATE	13	262	6	3
48+14	Rt.	STREET	20	783	0	3
51+57	Rt.	PRIVATE	16	350	8	3
TOTAL					120	87

SUMMARY OF DRAINAGE STRUCTURES						
STR. NO.	P & P SHEET NO.	STATION	DESCRIPTION	DESIGN	CORRUGATED GALVANIZED STEEL PIPE	PREFAB CULVERT END SECTION
					ARCH	
					613(B)	613(L)
					21"X 15"	21"X 15"
					L.F.	EA
1-7	10	06+93.97	CONST. 21" X 15" CGSPA	SPI-4, SPB-1, FHTMPP-5, PCES-4	40	2
SHEET TOTAL					40	2

ALFALFA COUNTY

SUMMARY TABLES  
(7TH STREET)

SUMMARY OF DRAINAGE STRUCTURES										
STR. NO.	P & P SHEET NO.	STATION	DESCRIPTION	DESIGN	INLET (SMD TYPE 1) (MODIFIED L, W, H)	CLASS A CONCRETE (NO APRON)	REINFORCING STEEL	REINFORCED CONCRETE PIPE	CULVERT END TREATMENT	
					611(G)	509(B)	511(A)	ARCH	613(M)	613(M)
								613(A)		
								28" X 18"		
								EA		
1-K		01+50.00	CONST. (2) 28" x 18" RCP	SPI-4, SPB-1, FHTCP-3, CET4D-3				128		4
2-K		15+95.62	CONST. 6'L x 4'W x 2.33'H MEDIAN DRAIN STUB 56 LF OF 28" X 18" RCPA INTO S. DITCH W/ (1) B4 CET	SPI-4, SPB-1, FHTCP-3, CET4S-3, SMD-3	1	1.50	250	56	1	
3-K		18+75.00	CONST. 28" X 18" RCPA	SPI-4, SPB-1, FHTCP-3, CET4S-3				40	2	
SHEET TOTAL					1	1.50	250	224	3	4

SUMMARY OF DRIVES						
Station	Location	Style	Width	Area	4" T.B.S.C.	4" Superpave, Type S4 PG(64,-22)OK
			FT.	SF	TONS	Tons
16+52.53	Lt.	Private	12	374	9	3
17+65.15	Lt.	Private	23	456	11	3
18+52.06	Lt.	Private	9	268	6	3
TOTAL					26	9

SUMMARY OF SIGNS							
Station	Location	Type	Size	Sign Area	Square Tube Posts 2-1/4" x 12 ga.		Label
					Sign Post Length	Lateral Clearance from Surface	
					S.F.	Ft.	
-00+61.00	Lt.	STOP	30x30	5.18	10	6	R1-1
01+50.00	Rt.	SPEED LIMIT	24x30	5.00	10	6	R2-1(35)
05+00.00	Lt.	RAILROAD CROSSING	36" Dia.	7.07	10	6	W10-1
07+00.00	Lt.	STOP AHEAD	30x30	5.00	10	6	W3-1
Total				22.25	40.00		

SUMMARY OF TRAFFIC STRIPE								
Station Extent			4" Dashed Yellow			4" Solid Yellow		Traffic Stripe (Plastic) (4" Wide) 855(A)
			Left	Center	Right	Left	Right	
			LF	LF	LF	LF	LF	
-0+61	to	-0+61						180.00
-0+61	to	-0+11						100.00
-0+11	to	21+09		565.33				565.33
TOTAL								845.33

SUMMARY OF MAINLINE SURFACING QUANTITIES			
Station Extent	Length	Superpave Type S4 (PG 64-22 OK)	Tack Coat
		Tons	Gal.
00+00.00 TO 21+09.00	2,109.00	866.10	773.30
TOTAL	2,109.00	866.10	773.30

SUMMARY OF DRAINAGE STRUCTURES										
STR. NO.	P & P SHEET NO.	STATION	DESCRIPTION	DESIGN	REINFORCED CONCRETE PIPE		CORRUGATED GALVANIZED METAL PIPE	PREFAB CULVERT END SECTION	CULVERT END TREATMENT	
					ARCH		ARCH	ARCH	A4	B4
					613(A)	613(A)	613(B)	613(L)	613(M)	613(M)
					22" X 13"	36" X 22"	21" X 15"	21" X 15"	22" X 13"	36" X 22"
					LF	LF	L.F.	EA	EA	EA
1-N		02+76.00	CONST. 21" X 15" CGSPA	SPI-4, SPB-1, FHTMPP-1, PCES-4			48.00	2.00		
2-N		26+72.00	CONST. 22" X 13" RCPA	SPI-4, SPB-1, FHTCP-3, PCES-4	56.00				1.00	
3-N		27+81.00	CONST. 36" X 22" RCPA	SPI-4, SPB-1, FHTCP-3, PCES-4		56.00				2.00
SHEET TOTAL					56.00	56.00	48.00	2.00	1.00	2.00

SUMMARY OF SIGNS							
Station	Location	Type	Size	Sign Area	Square Tube Posts 2-1/4" x 12 ga.		Label
					Sign Post Length	Lateral Clearance from Surface	
					S.F.	Ft.	
00+44.00	Lt.	STOP	30x30	5.18	10	6	R1-1
02+00.00	Rt.	SPEED LIMIT	24x30	5.00	10	6	R2-1(55)
20+77.00	Rt.	RAILROAD CROSSING	36" Dia.	7.07	10	6	W10-1
27+13.00	Lt.	T-INTERSECTION WARNING	30x30	6.25	10	6	W2-4
32+17.00	Lt.	RAILROAD CROSSING	36" Dia.	7.07	10	6	W10-1
50+00.00	Lt.	SPEED LIMIT	24x30	5.00	10	6	R2-1(55)
52+10.00	Rt.	STOP	30x30	5.18	10	6	R1-1
52+87.00	Lt.	STOP	30x30	5.18	10	6	R1-1
Total				45.93	80.00		

SUMMARY OF GUARDRAIL												
Station Extent		Location	Length	Guardrail Anchor Unit (Type D-BF)	Guardrail End Treatment (GET)	Beam Guardrail, W-Beam Single	Superpave Type S3 (PG 64-22 OK)	Superpave Type S4 (PG 64-22 OK)	Cementitious Stabilized Subgrade	Portland Cement	Prime Coat	Tack Coat
			L.F.	EA.	EA.	L.F.	Tons	Tons	S.Y.	Tons	Gal.	Gal.
10+94	to 11+94	LT	100.00	1.00	1.00	25.00	14.93	7.47	66.67	0.72	23.33	3.33
10+94	to 11+94	RT	100.00	1.00	1.00	25.00	14.93	7.47	66.67	0.72	23.33	3.33
12+24	to 13+24	LT	100.00	1.00	1.00	25.00	14.93	7.47	66.67	0.72	23.33	3.33
12+24	to 13+24	RT	100.00	1.00	1.00	25.00	14.93	7.47	66.67	0.72	23.33	3.33
Total			400.00	4.00	4.00	100.00	59.73	29.87	266.67	2.88	93.33	13.33

SUMMARY OF MAINLINE SURFACING QUANTITIES - SOUTH OF RAILROAD										
Station Extent			Length	Superpave Type S3 (PG 64-22 OK)	Superpave Type S4 (PG 64-22 OK)	Cementious Stabilized Subgrade	Portland Cement	Prime Coat	Tack Coat	Processing Existing Base & Surface, Method B
				Tons	Tons	S.Y.	Tons	Gal.	Gal.	L.F.
00+00.00 to 08+25.00			825.00	0.00	338.80	0.00	0.00	0.00	151.25	0.00
08+25.00 to 11+94.00			369.00	202.05	101.02	984.00	10.63	315.70	45.10	369.00
12+24.00 to 26+42.00			1,418.00	776.43	388.22	3,781.33	40.84	1,213.18	173.31	1,418.00
TOTAL			2,612.00	978.48	828.04	4,765.33	51.47	1,528.88	369.66	1,787.00

SUMMARY OF TRAFFIC STRIPE										
Station Extent		4" Dashed Yellow			4" Solid Yellow		8" Solid White	24" Solid White	Railroad Symbol	Traffic Stripe (Plastic) (4" Wide) 855(A)
		Left	Center	Right	Left	Right				
		LF	LF	LF	LF	LF				
0+08	to 0+08							30		180.00
0+08	to 0+58						50			100.00
0+58	to 21+77		565.07							565.07
21+77	to 26+42	124.00							1	124.00
26+42	to 26+52									0.00
26+52	to 31+17			124.00					1	124.00
31+17	to 51+60		544.80							544.80
51+60	to 52+10						50			100.00
52+10	to 52+10							30		180.00
52+87	to 52+87							30		180.00
52+87	to 53+41						54			108.00
TOTAL									2	2,205.87

SUMMARY OF MAINLINE SURFACING QUANTITIES - NORTH OF RAILROAD							
Station Extent	Length	Superpave Type S3 (PG 64-22 OK)	Superpave Type S4 (PG 64-22 OK)	Cementitious Stabilized Subgrade	Portland Cement	Prime Coat	Tack Coat
		Tons	Tons	S.Y.	Tons	Gal.	Gal.
26+52.00 to 53+41.00	2,689.00	1,472.38	736.19	7,170.67	77.44	2,300.59	328.66
TOTAL	2,689.00	1,472.38	736.19	7,170.67	77.44	2,300.59	328.66

SUMMARY OF EARTHWORK - NORTH OF RAILROAD		
Item	Unit	Total
Unclassified Excavation	CY	1,971.53
Embankment + 15%	CY	1,513.39
Unclassified Borrow	CY	0.00
Excess Excavation	CY	458.14

SUMMARY OF EARTHWORK - SOUTH OF RAILROAD		
Item	Unit	Total
Unclassified Excavation	CY	423.86
Embankment + 15%	CY	2,101.65
Unclassified Borrow	CY	1,677.79
Excess Excavation	CY	0.00

SUMMARY OF SECTION LINE AND STREET RETURNS									
Station	Location	Style	Width	Superpave Type S3 PG(64,-22)OK	Superpave Type S4 PG(64,-22)OK	Cementitious Stabilized Subgrade	Portland Cement	Prime Coat	Tack Coat
			FT.	TON	TON	S.Y.	Ton	GALS	GALS
00+00.00	Lt.	ROAD	0	NA	6.82	NA	NA	NA	4.57
00+00.00	Rt.	ROAD	0	NA	5.08	NA	NA	NA	3.40
27+15.00	Rt.	ROAD	19	64.11	32.06	286.22	3.09	100.18	14.31
52+50.00	Lt.	ROAD	24	28.25	14.12	126.11	1.36	44.14	6.31
52+50.00	Rt.	ROAD	22	87.71	43.85	391.56	4.23	137.04	19.58
TOTAL				180.07	101.93	803.89	8.68	281.36	48.16

SUMMARY OF DRIVES						
Station	Location	Style	Width	Area	4" T.B.S.C.	4" Superpave, Type S4 PG(64,-22)OK
			FT.	SF	TONS	Tons
02+75.00	Lt.	Private	41	932	22	3
02+77.00	Rt.	Field	25	537	12	3
27+27.00	Lt.	Field	11	242	6	3
TOTAL					40	9

ALFALFA COUNTY

SUMMARY TABLES  
(NS 265)

STORM WATER MANAGEMENT PLAN

REVISIONS

DESCRIPTION	DATE

SITE DESCRIPTION

PROJECT LIMITS:On county road NS 265 from SH 45 N. to 7th street.

PROJECT DESCRIPTION:Overlay from SH-45 to 8+25.

Reconstruct from 8+25 to 7th Street, except at new bridge.

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:

Prior to initiating soil disturbing activities, the Contractor will install all perimeter temporary sediment controls specified. Strip, stockpile and stabilize topsoil. Clear and grub only in necessary areas, preserving as much native vegetation as possible. Install, maintain and/or move temporary sediment items with construction operations as practical. If directed by the Engineer, plant temporary seeding. Replace salvaged topsoil. Remove temporary devices when an acceptable vegetative cover (at least 70%) has been attained. As site conditions warrant, the Contractor may choose to modify the type or arrangement of specified practices to improve their effectiveness as approved by the Engineer. The Contractor will maintain a log of the dates of major soil disturbance activities, and also the dates of installation of erosion control measures.

SOIL TYPE:Renfrow and Grant silt/loam

AREA TO BE DISTURBED:2.12 ACRES

OFFSITE AREA TO BE DISTURBED:

(FOR CONTRACTOR USE)

MAXIMUM ACRES TO BE DISTURBED AT ANY ONE TIME:

(FOR CONTRACTOR USE)

LATITUDE & LONGITUDE OF CENTER OF PROJECT:36°32'34"N 98°17'0.80"W

NAME OF RECEIVING WATERS:UNNAMED TRIBUTARIES OF TURKEY CREEK.

SENSITIVE WATERS OR WATERSHEDS:

YES

NO x

303(d) IMPAIRED WATERS:

YES

NO x

NOTE:  
THIS SHEET SHOULD BE USED IN CONJUNCTION WITH A DRAINAGE MAP THAT ILLUSTRATES THE DRAINAGE CHARACTERISTICS AND RECEIVING WATERS FOR THIS PROJECT. THIS SHEET SHOULD ALSO BE USED WITH THE EROSION CONTROL SUMMARIES, PAY ITEMS, & NOTES.

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

TEMPORARY SEEDING

X PERMANENT SODDING, SPRIGGING OR SEEDING

X VEGETATIVE MULCHING

SOIL RETENTION BLANKET

X PRESERVATION OF EXISTING VEGETATION

NOTE: TEMPORARY EROSION CONTROL METHODS MUST BE USED ON ALL DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR OVER 14 DAYS. METHODS USED WILL BE AS SHOWN ON PLANS, OR AS DIRECTED BY THE ENGINEER.

STRUCTURAL PRACTICES:

STABILIZED CONSTRUCTION EXIT

X TEMPORARY SILT FENCE

X TEMPORARY SILT DIKES

TEMPORARY FIBER LOG

DIVERSION, INTERCEPTOR OR PERIMETER DIKES

DIVERSION, INTERCEPTOR OR PERIMETER SWALES

ROCK FILTER DAMS

TEMPORARY SLOPE DRAIN

PAVED DITCH W/ DITCH LINER PROTECTION

TEMPORARY DIVERSION CHANNELS

TEMPORARY SEDIMENT BASINS

TEMPORARY SEDIMENT TRAPS

TEMPORARY SEDIMENT FILTERS

X TEMPORARY SEDIMENT REMOVAL

RIP RAP

INLET SEDIMENT FILTER

TEMPORARY BRUSH SEDIMENT BARRIERS

SANDBAG BERMS

TEMPORARY STREAM CROSSINGS

OFFSITE VEHICLE TRACKING:

HAUL ROADS DAMPENED FOR DUST CONTROL

LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN

EXCESS DIRT ON ROAD REMOVED DAILY

NOTES:

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:

MAINTENANCE AND INSPECTION:  
ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER FROM THE BEGINNING OF CONSTRUCTION UNTIL AN ACCEPTABLE VEGETATIVE COVER IS ESTABLISHED. INSPECTION BY THE CONTRACTOR AND ANY NECESSARY REPAIRS SHALL BE PERFORMED ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCH AS RECORDED BY A NON-FREEZING RAIN GAUGE TO BE LOCATED ON SITE. POTENTIALLY ERODIBLE AREAS, DRAINAGEWAYS, MATERIAL STORAGE, STRUCTURAL DEVICES, CONSTRUCTION ENTRANCES AND EXITS ALONG WITH EROSION AND SEDIMENT CONTROL LOCATIONS ARE EXAMPLES OF SITES THAT NEED TO BE INSPECTED.

WASTE MATERIALS:  
PROPER MANAGEMENT AND DISPOSAL OF CONSTRUCTION WASTE MATERIAL IS REQUIRED BY THE CONTRACTOR. MATERIALS INCLUDE STOCKPILES, SURPLUS, DEBRIS AND ALL OTHER BY-PRODUCTS FROM THE CONSTRUCTION PROCESS. PRACTICES INCLUDE DISPOSAL, PROPER MATERIALS HANDLING, SPILL PREVENTION AND CLEANUP MEASURES. CONTROLS AND PRACTICES SHALL MEET THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL AGENCIES.

HAZARDOUS MATERIALS:  
PROPER MANAGEMENT AND DISPOSAL OF HAZARDOUS WASTE MATERIALS IS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS, STATE AND FEDERAL REGULATIONS TO ENSURE CORRECT HANDLING, DISPOSAL, SPILL PREVENTION AND CLEANUP MEASURES. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: PAINTS, ACIDS, CLEANING SOLVENTS, CHEMICAL ADDITIVES, CONCRETE CURING COMPOUNDS AND CONTAMINATED SOILS.

GENERAL NOTES:  
A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO COMPLY WITH THE OKLAHOMA POLLUTION DISCHARGE ELIMINATION SYSTEM (OPDES) REGULATIONS. THIS PLAN IS INITIATED DURING THE DESIGN PHASE, CONFIRMED IN THE PRE-WORK MEETINGS AND AVAILABLE ON THE JOB SITE ALONG WITH COPIES OF THE NOTICE OF INTENT (NOI) FORMS THAT HAVE BEEN FILED WITH THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ). THE PLAN MUST BE KEPT CURRENT WITH UP-TO-DATE AMENDMENTS DURING THE PROGRESSION OF THE PROJECT. ALL CONTRACTOR OFF-SITE OPERATIONS ASSOCIATED WITH THE PROJECT MUST BE DOCUMENTED IN THE SWPPP, I.E., BORROW PITS, WORK ROADS, DISPOSAL SITES, ASPHALT/CONCRETE PLANTS, ETC. THE BASIC GOAL OF STORM WATER MANAGEMENT IS TO IMPROVE WATER QUALITY BY REDUCING POLLUTANTS IN STORM WATER DISCHARGES. RUNOFF FROM CONSTRUCTION SITES HAS A POTENTIAL FOR POLLUTION DUE TO EXPOSED SOILS AND THE PRESENCE OF HAZARDOUS MATERIALS USED IN THE CONSTRUCTION PROCESS. THE PREVENTION OF SOIL EROSION, CONTAINMENT OF HAZARDOUS MATERIALS AND/OR THE INTERCEPTION OF THESE POLLUTANTS BEFORE LEAVING THE CONSTRUCTION SITE ARE THE BEST PRACTICES FOR CONTROLLING STORM WATER POLLUTION.

THE FOLLOWING SECTIONS OF THE 2009 ODOT STANDARD SPECIFICATIONS SHOULD BE NOTED:  
103.05 BONDING REQUIREMENTS  
104.10 FINAL CLEAN UP  
104.12 CONTRACTOR'S RESPONSIBILITY FOR WORK  
104.13 ENVIRONMENTAL PROTECTION  
106.08 STORAGE AND HANDLING OF MATERIAL  
107.01 LAWS, RULES AND REGULATIONS TO BE OBSERVED  
107.20 STORM WATER MANAGEMENT  
220 MANAGEMENT OF EROSION, SEDIMENTATION AND STORM WATER POLUTION PREVENTION AND CONTROL  
221 TEMPORARY SEDIMENT CONTROL

IN ADDITION:  
"ODEQ GENERAL PERMIT (OKR10) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES WITHIN THE STATE OF OKLAHOMA." ODEQ, WATER QUALITY DIVISION, SEPTEMBER 13, 2012.

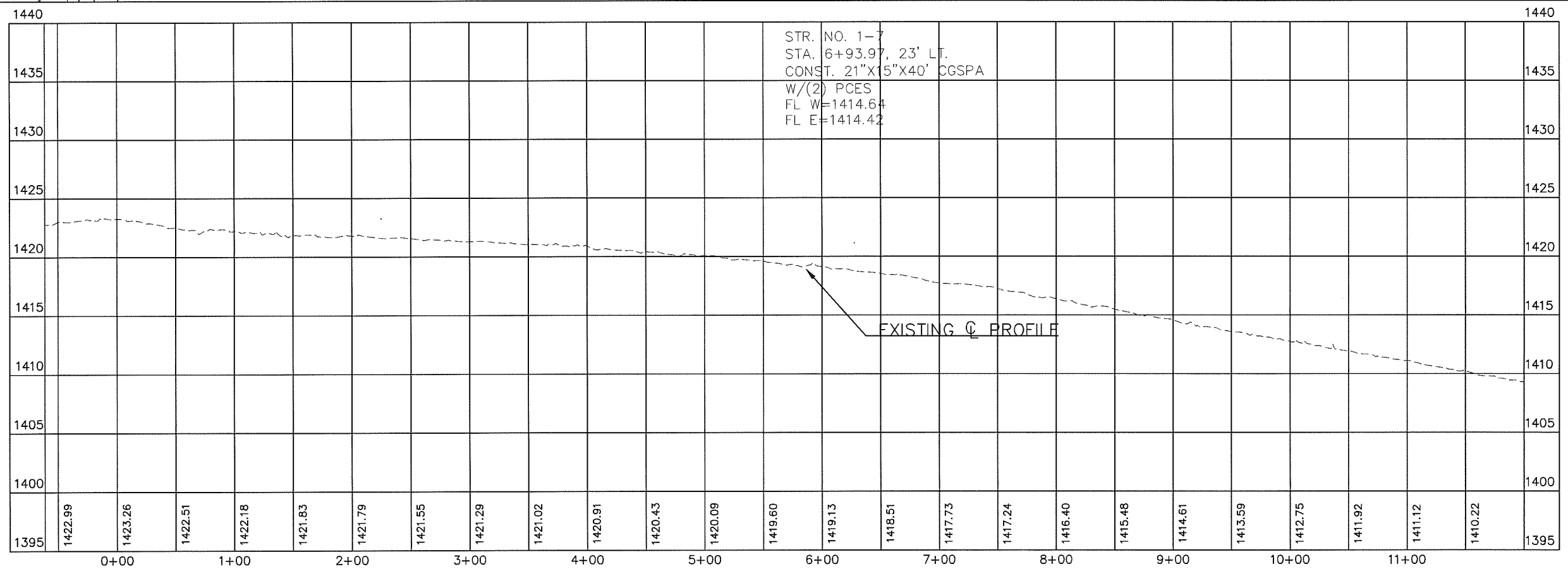
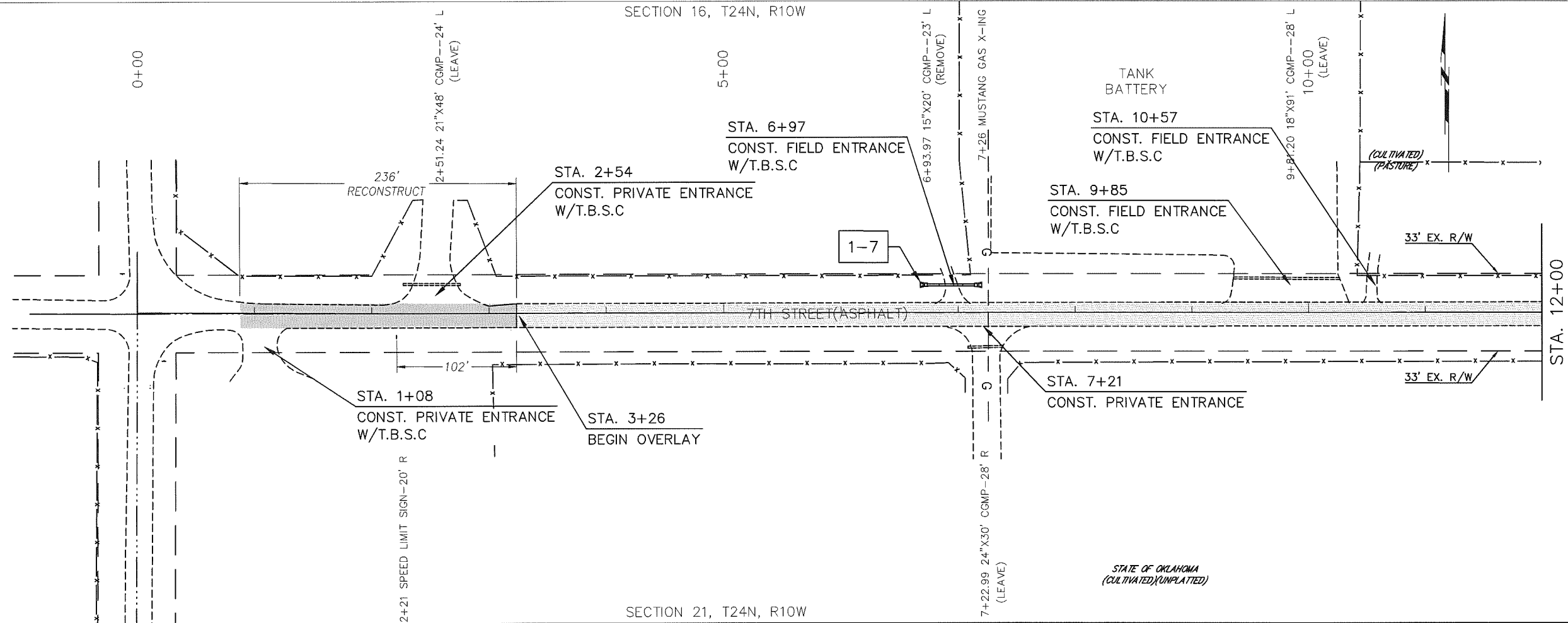
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OKLAHOMA DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DRAWING  
STORM WATER MANAGEMENT PLAN  
NS 265  
PROJECT AF2017-003 SHEET NO.10

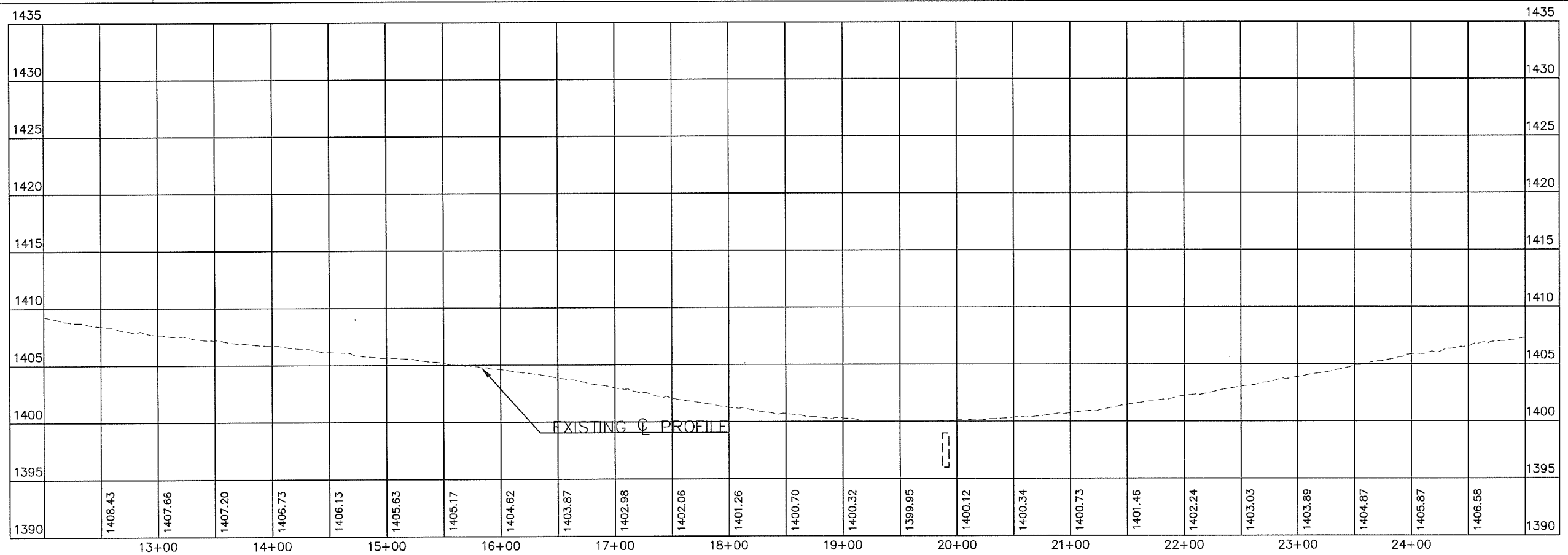
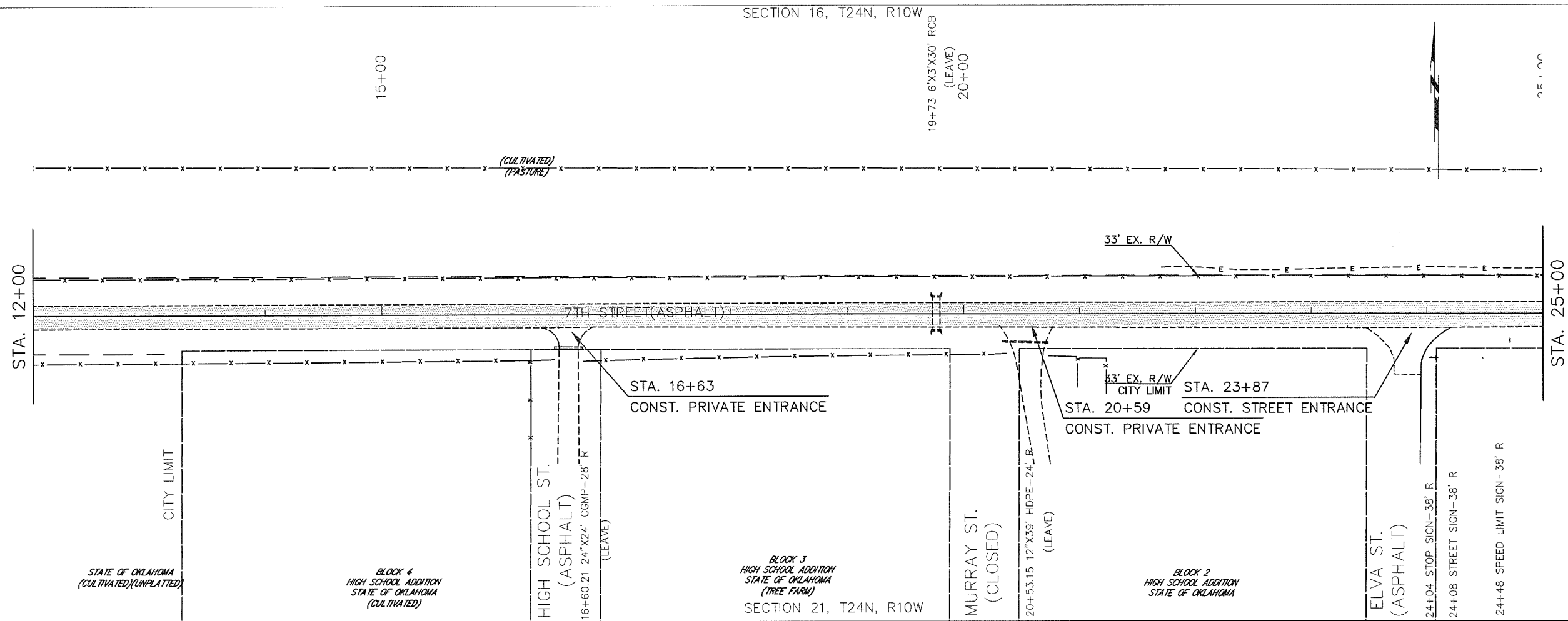
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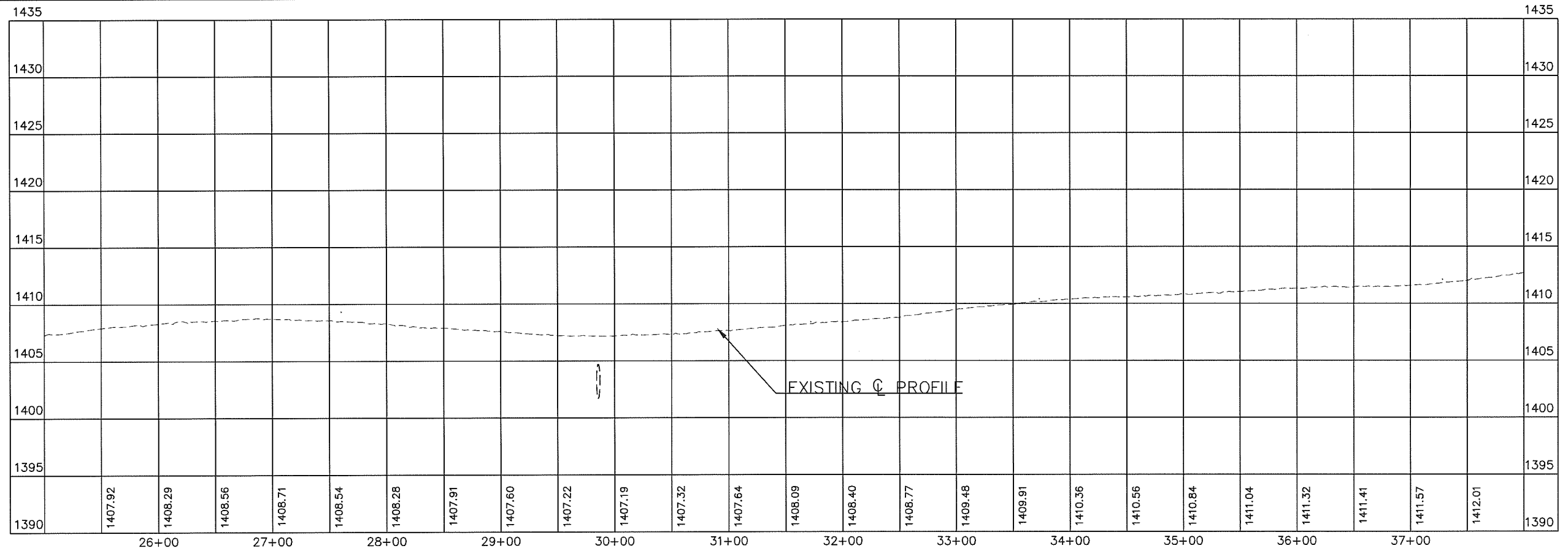
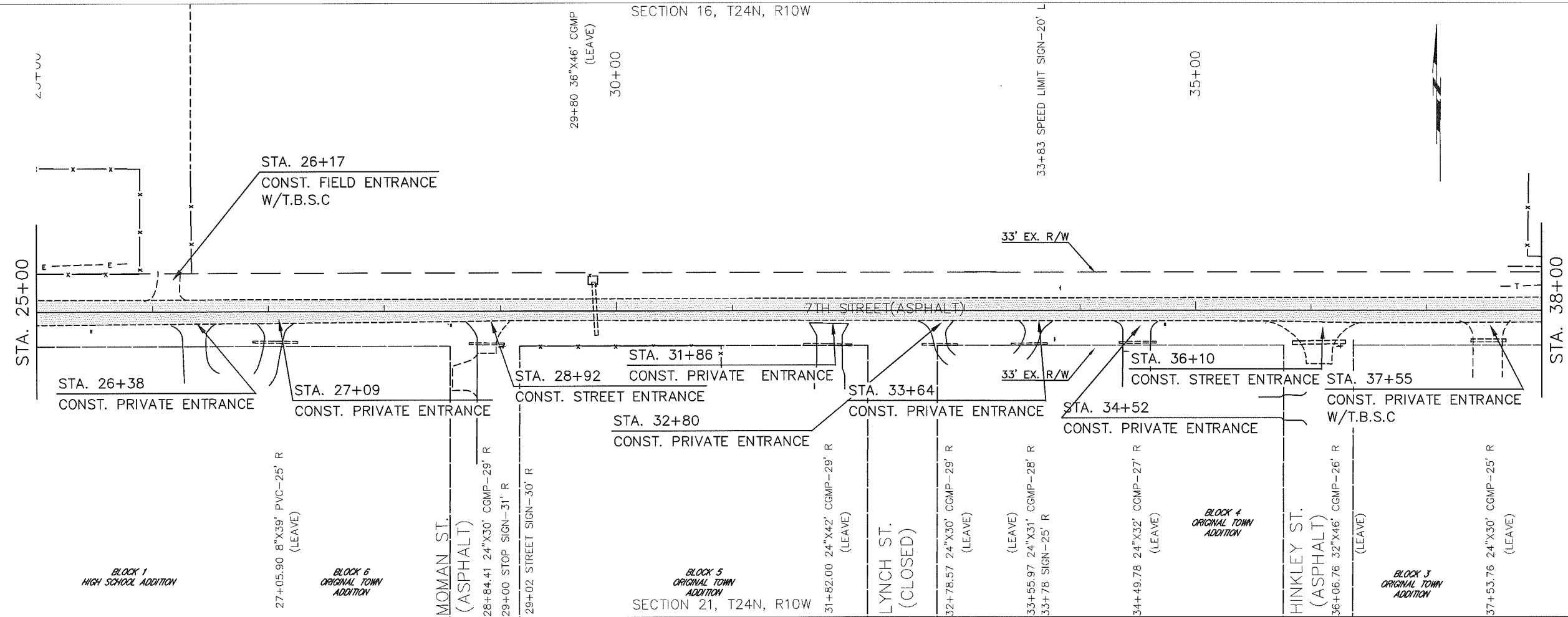


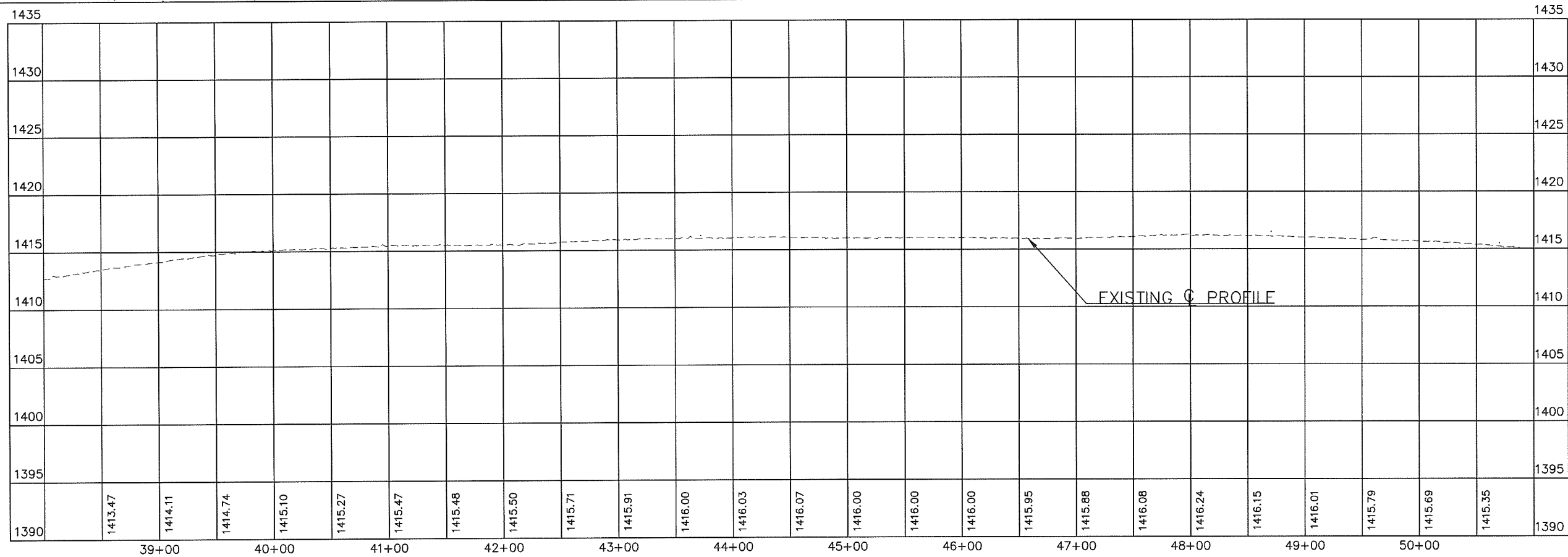
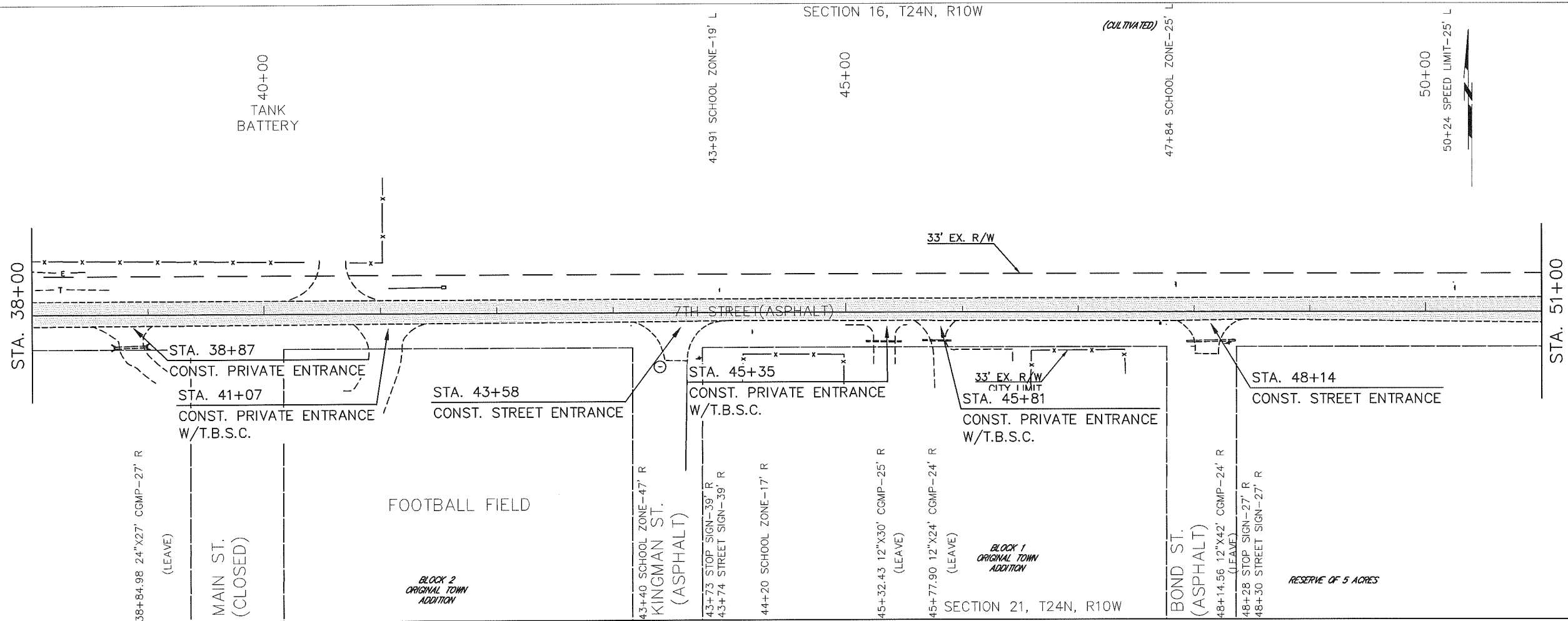


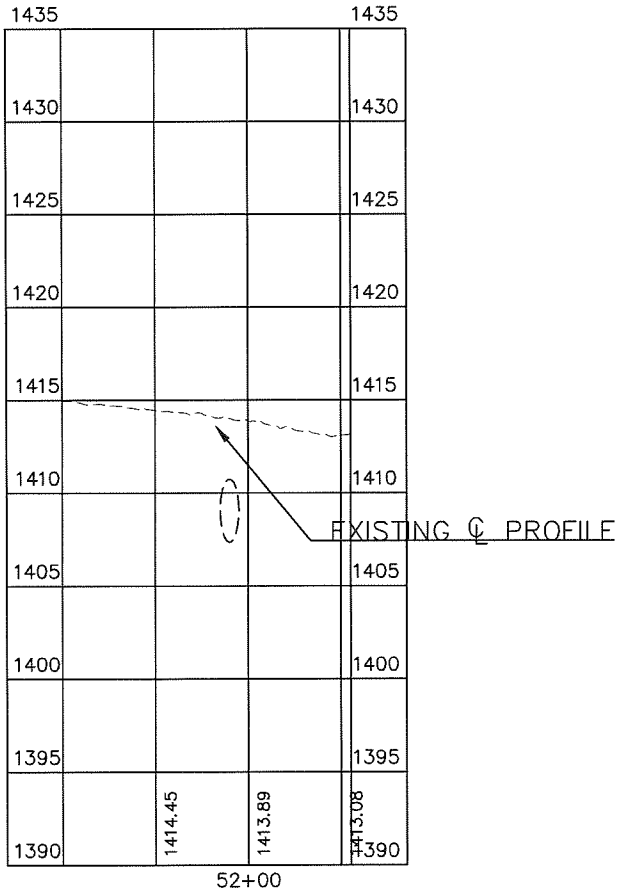
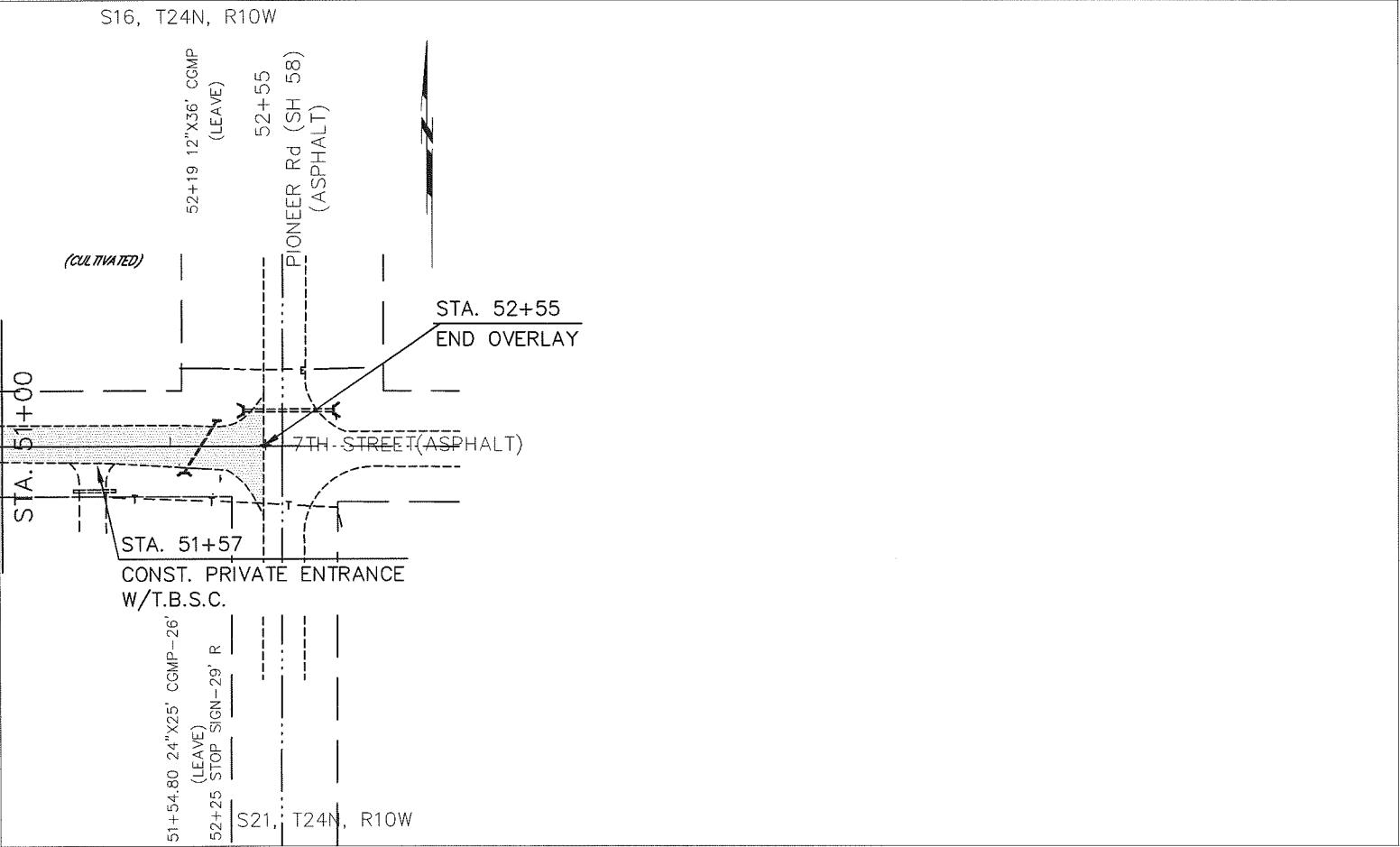


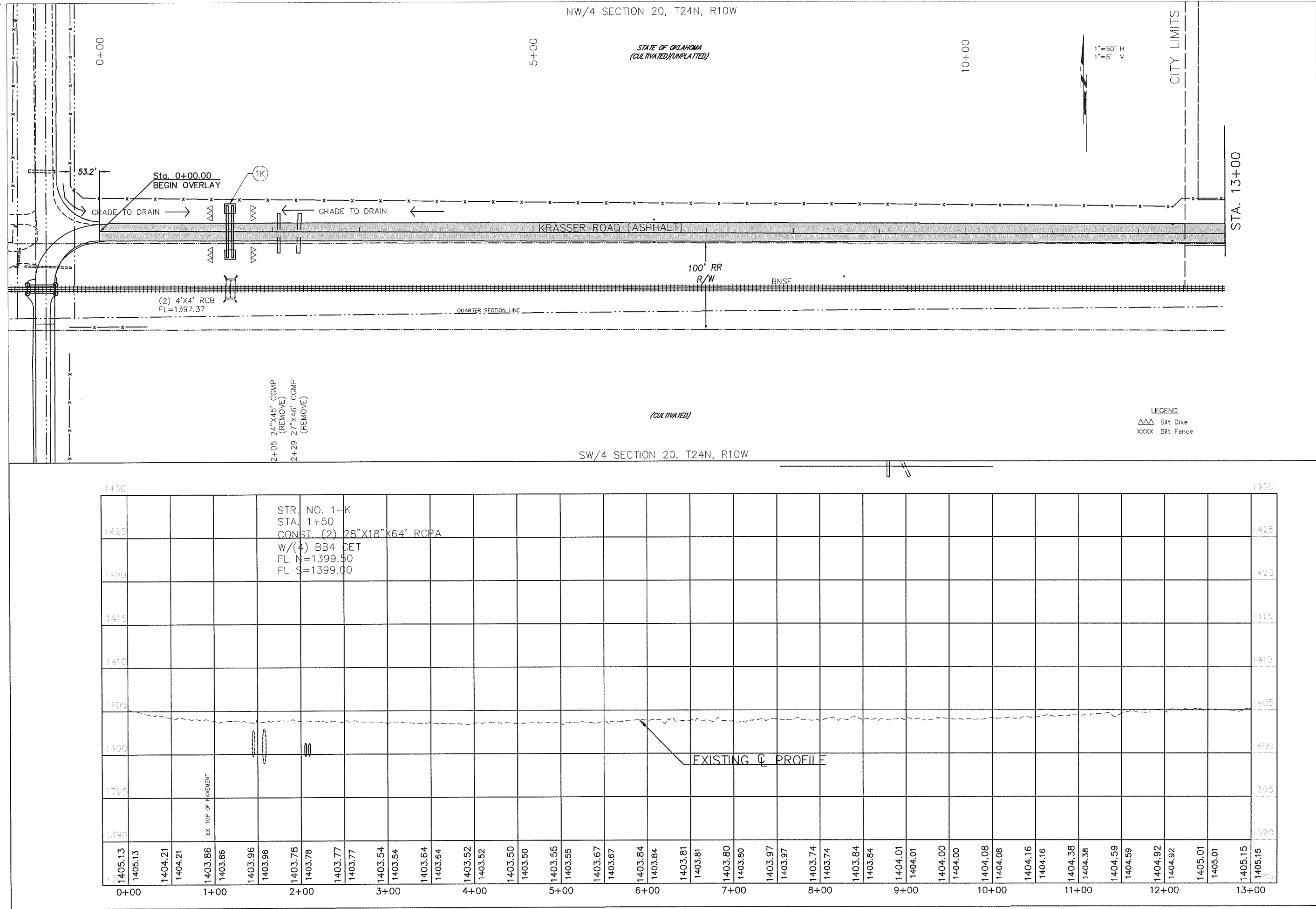


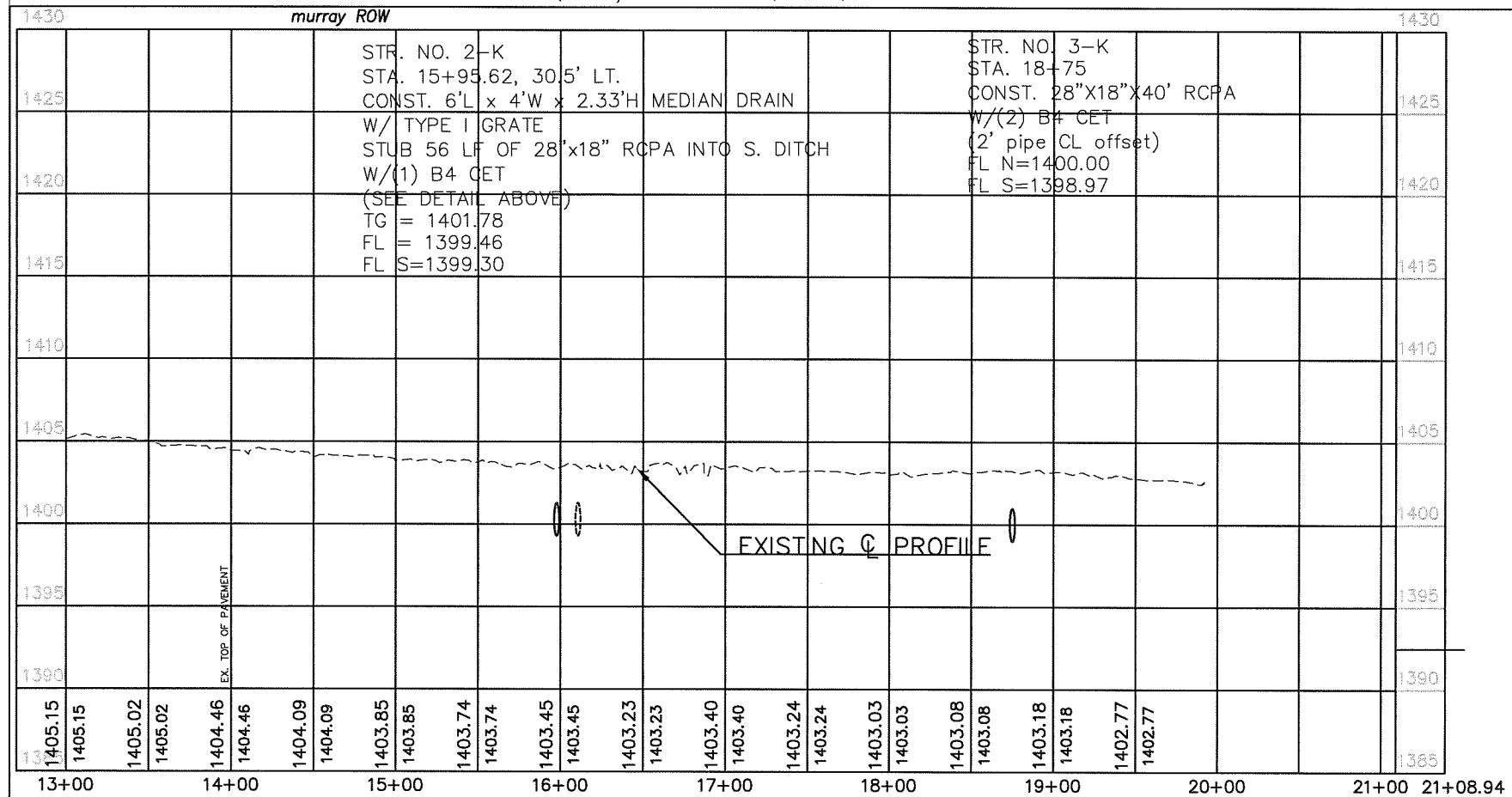
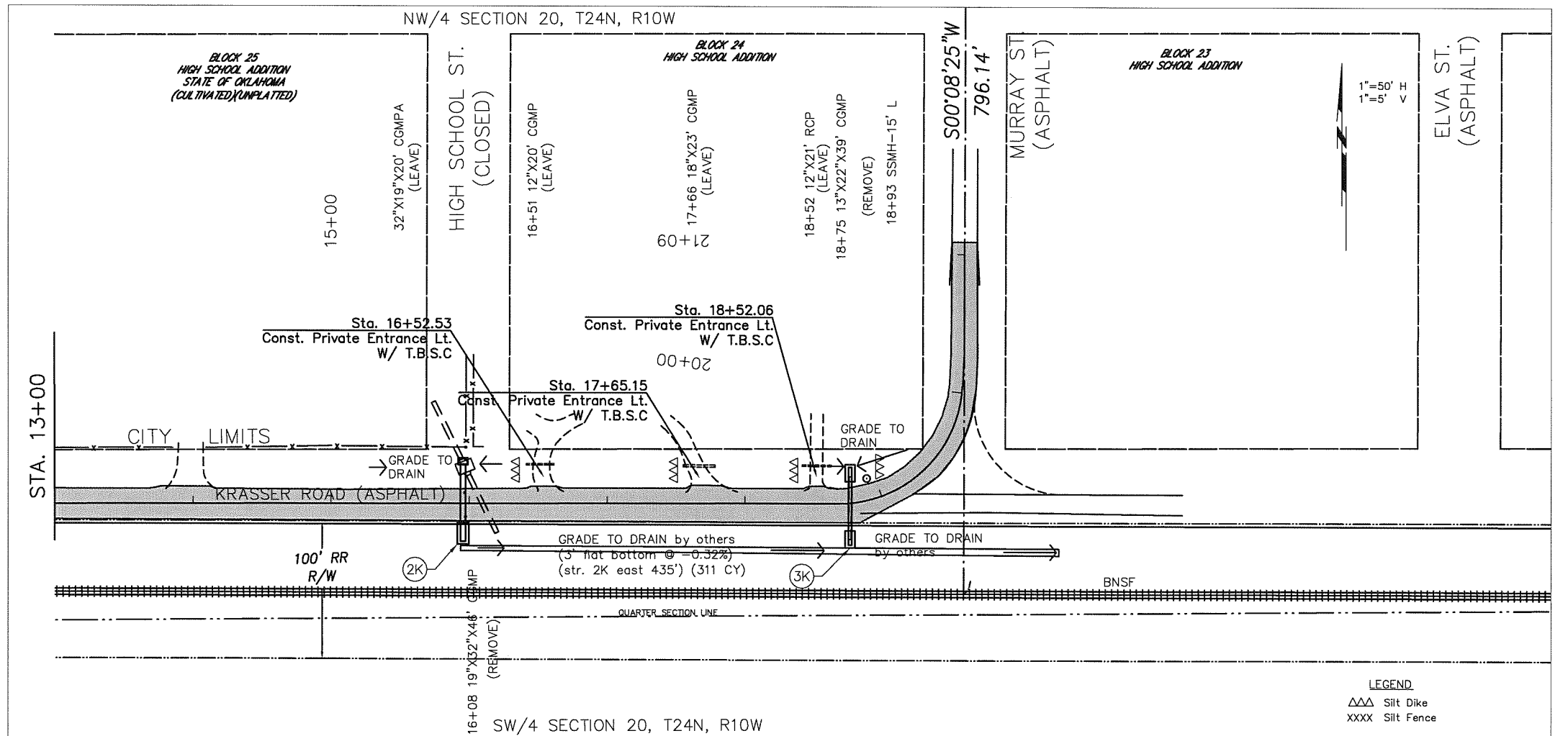
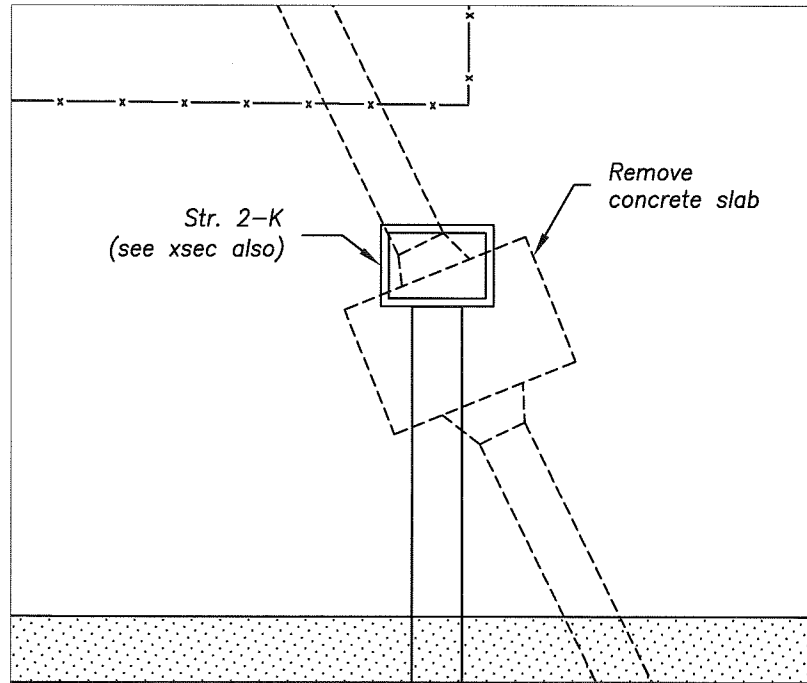


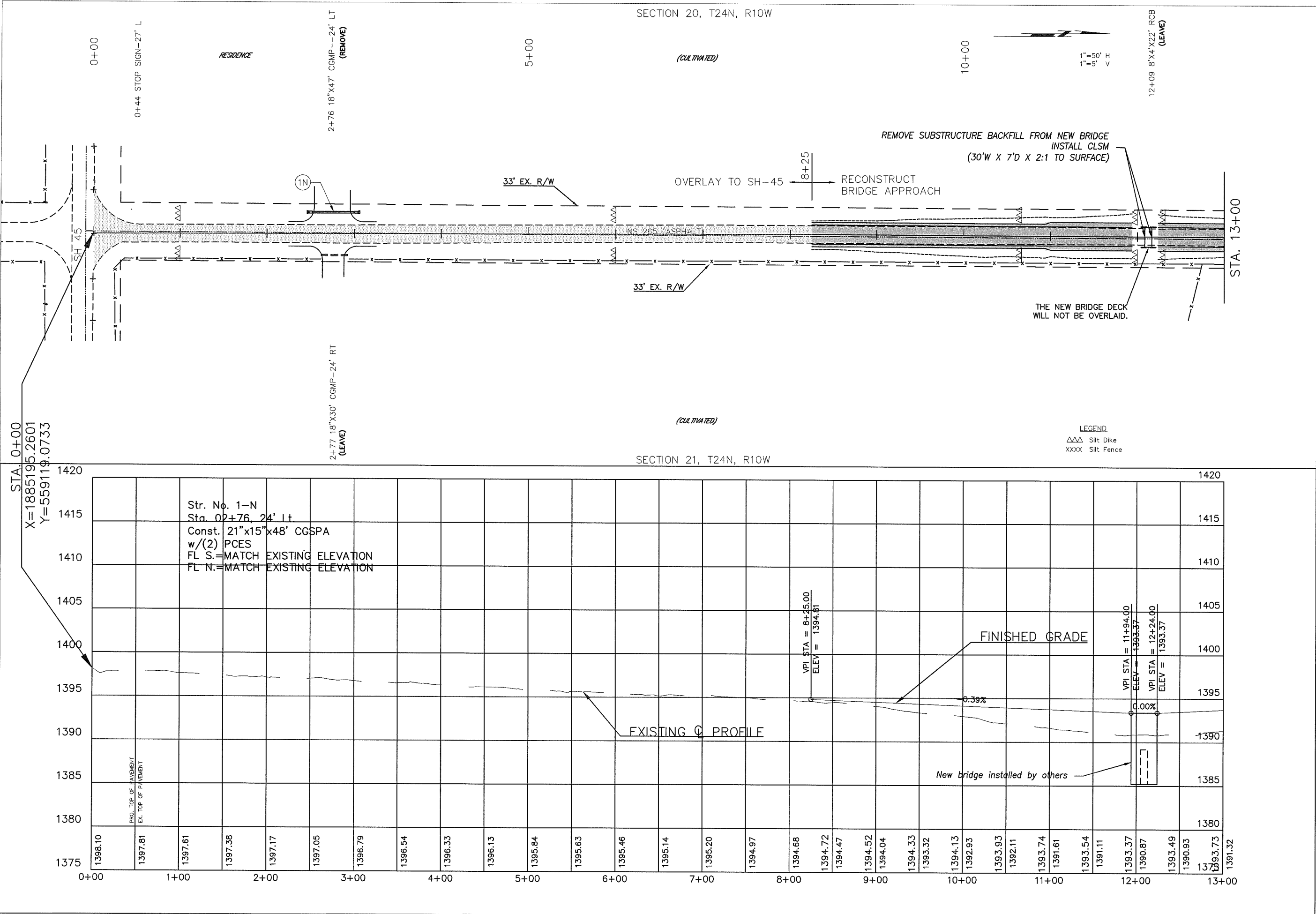


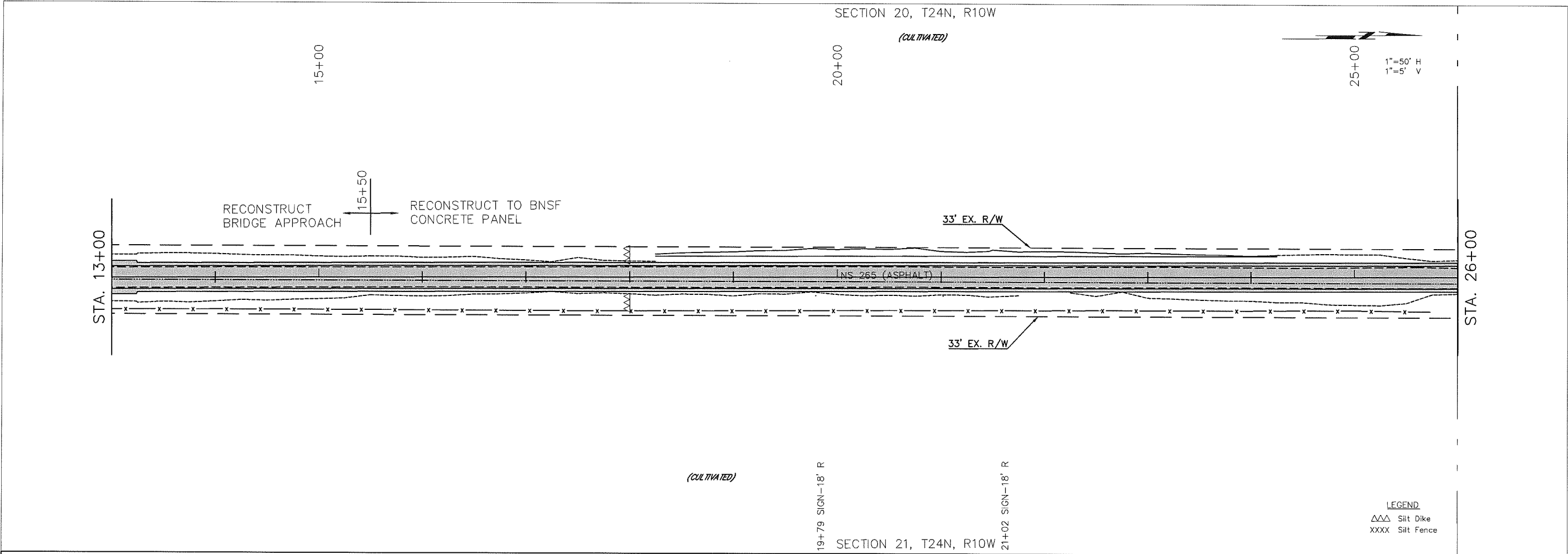
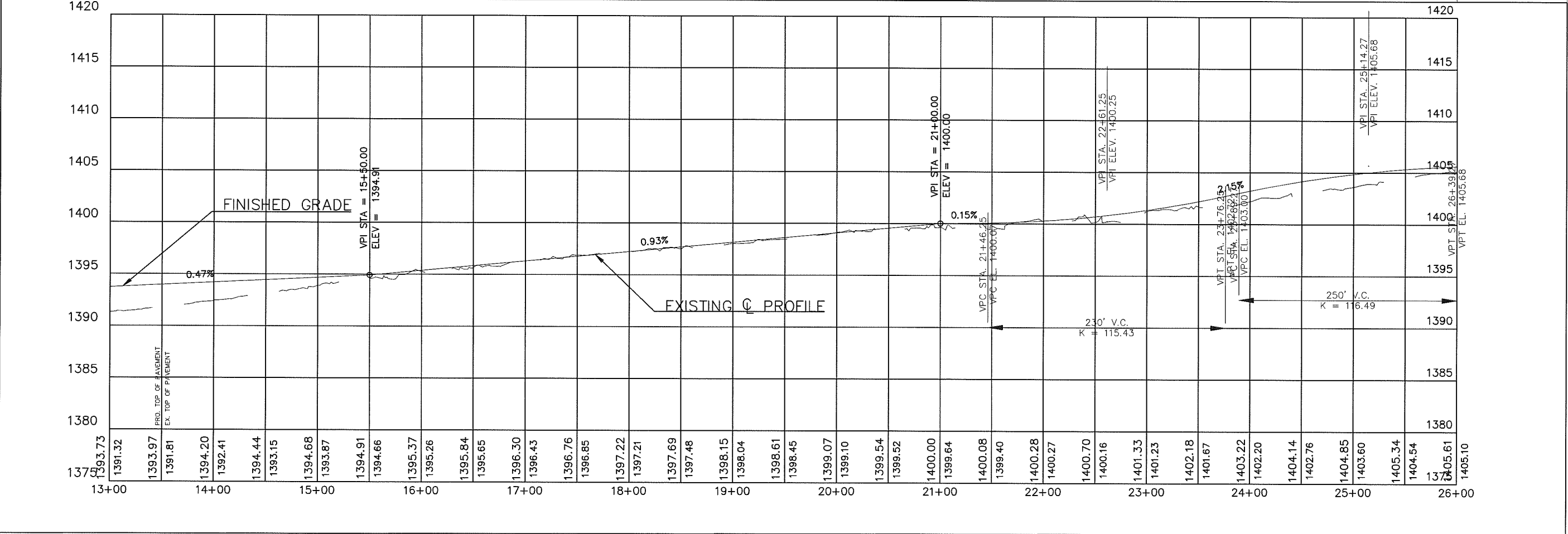




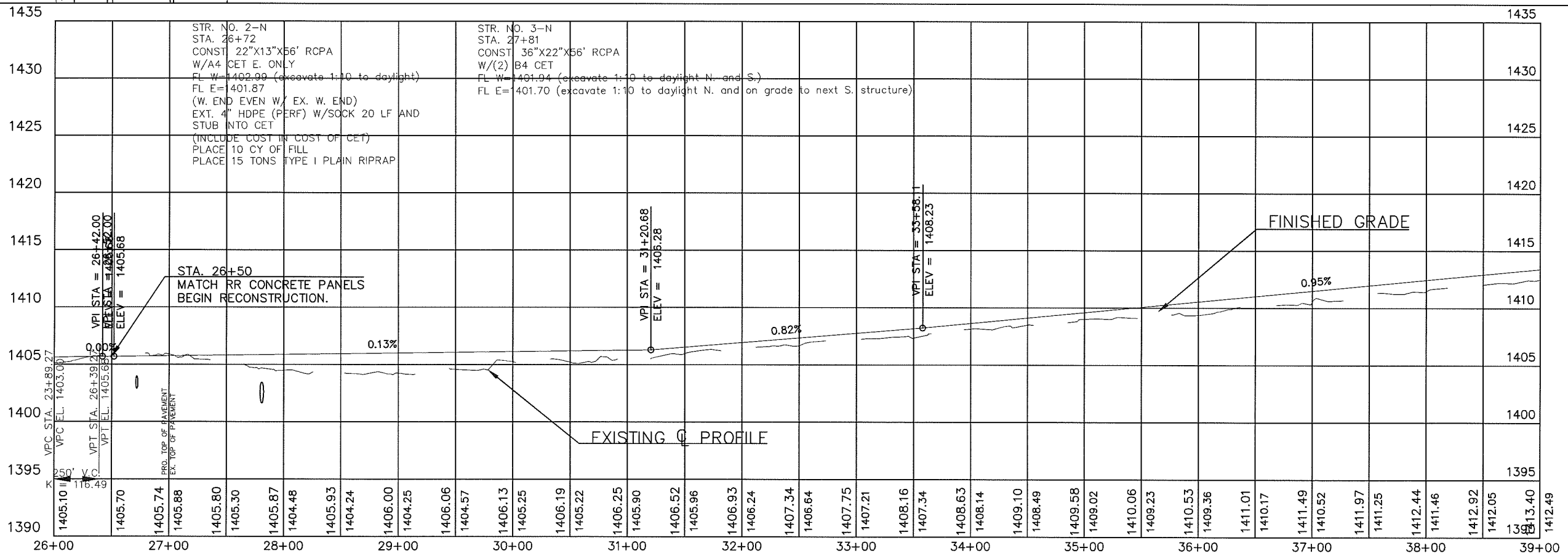
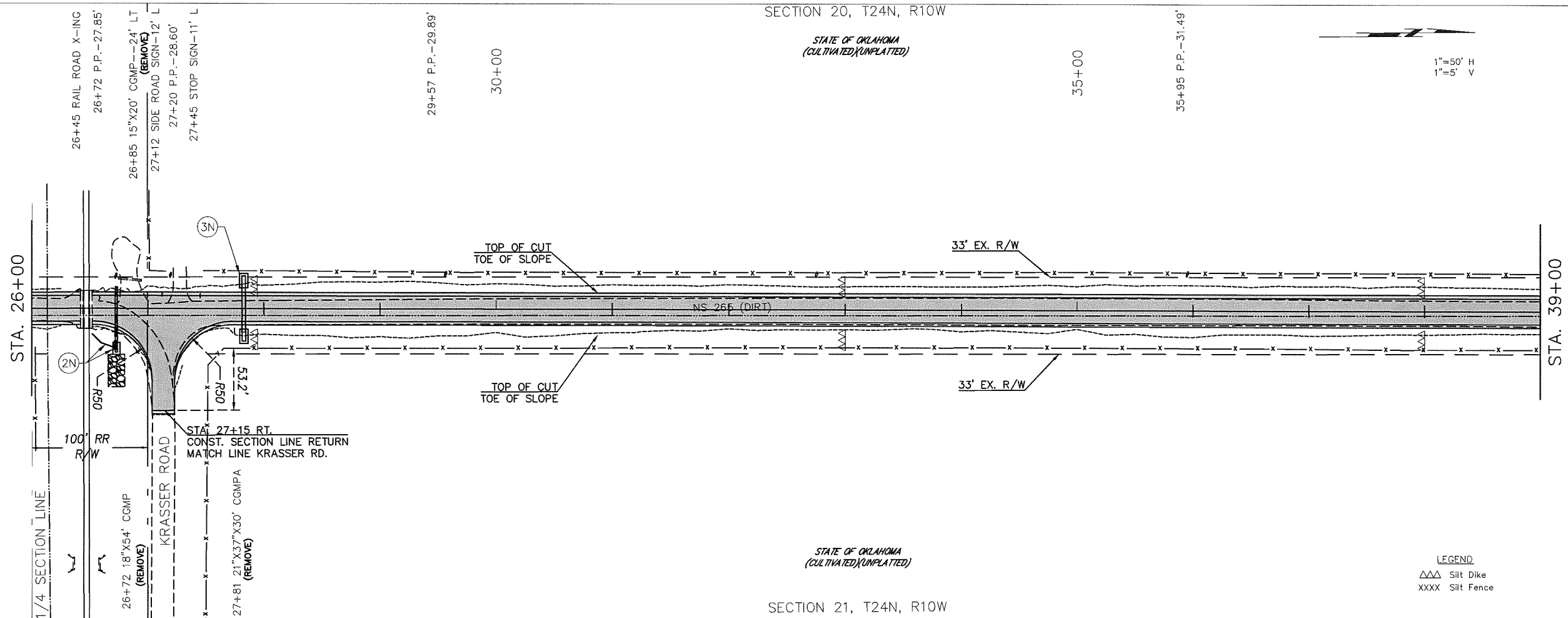


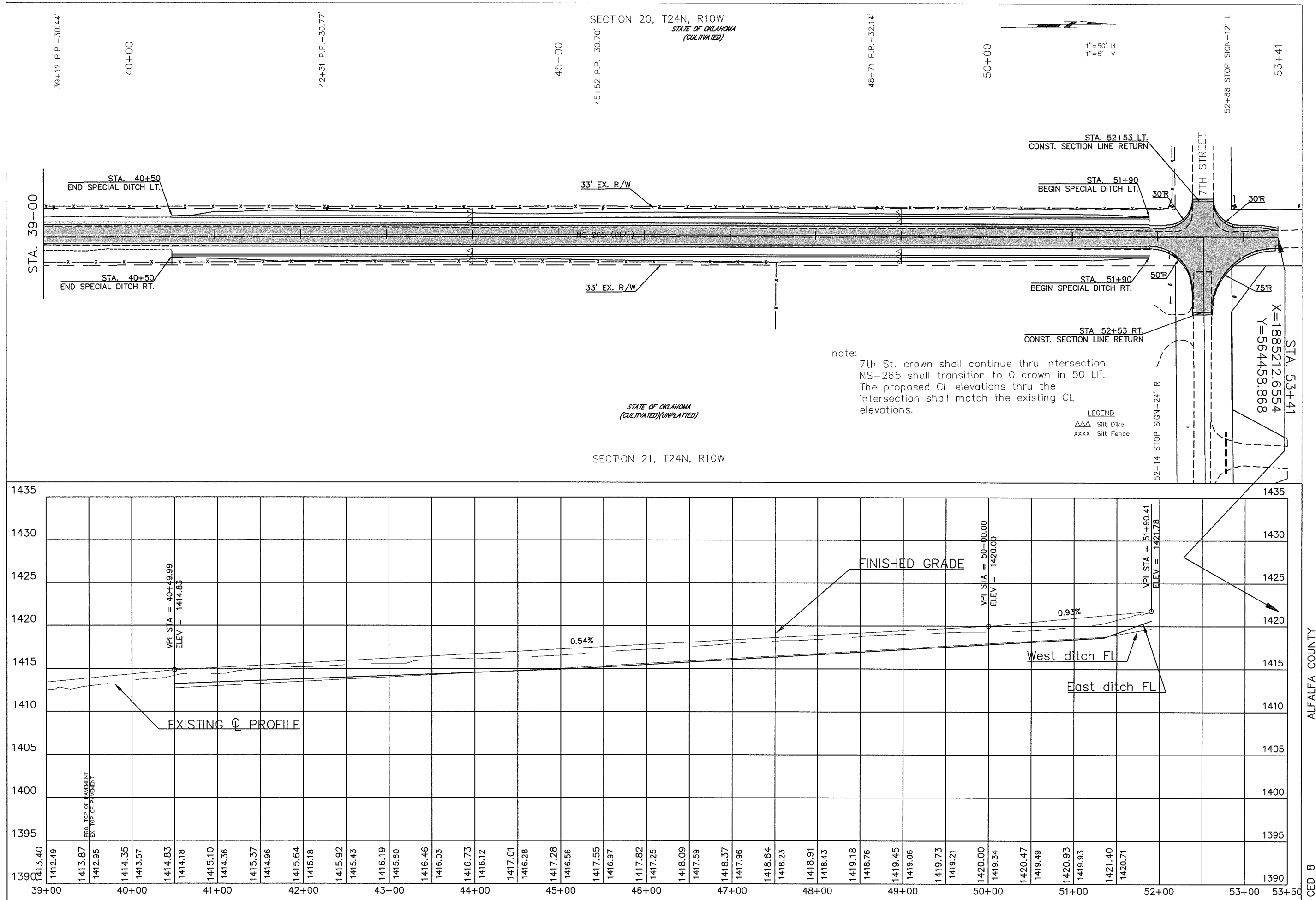


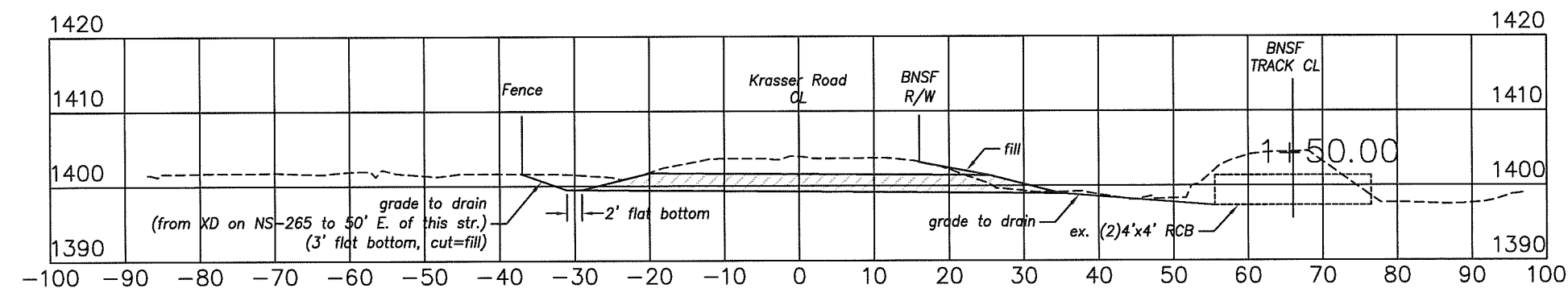
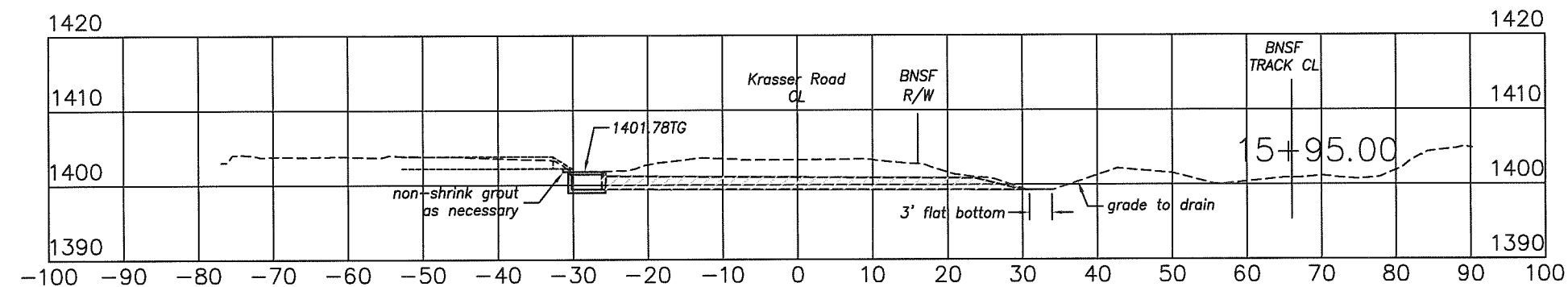
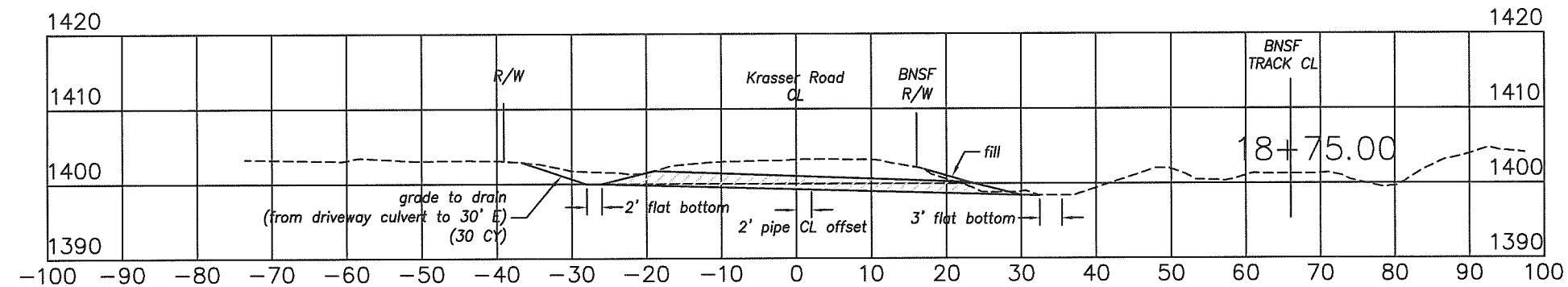




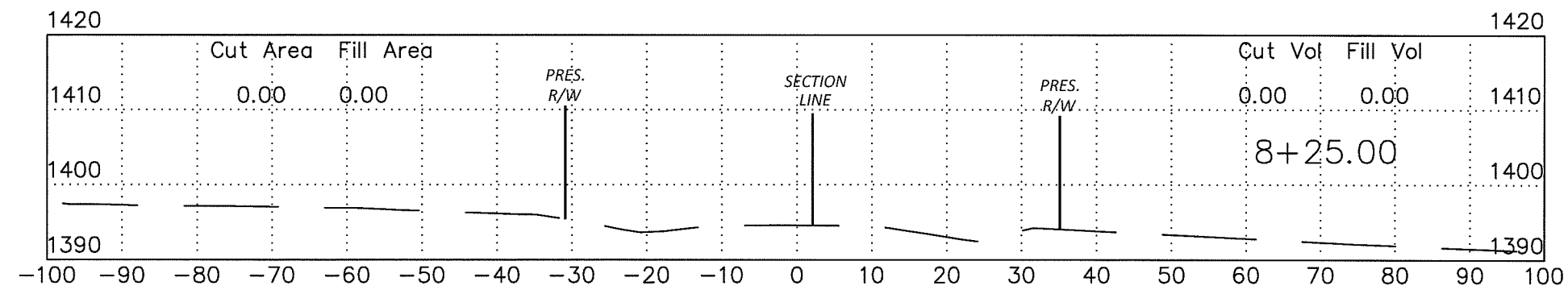
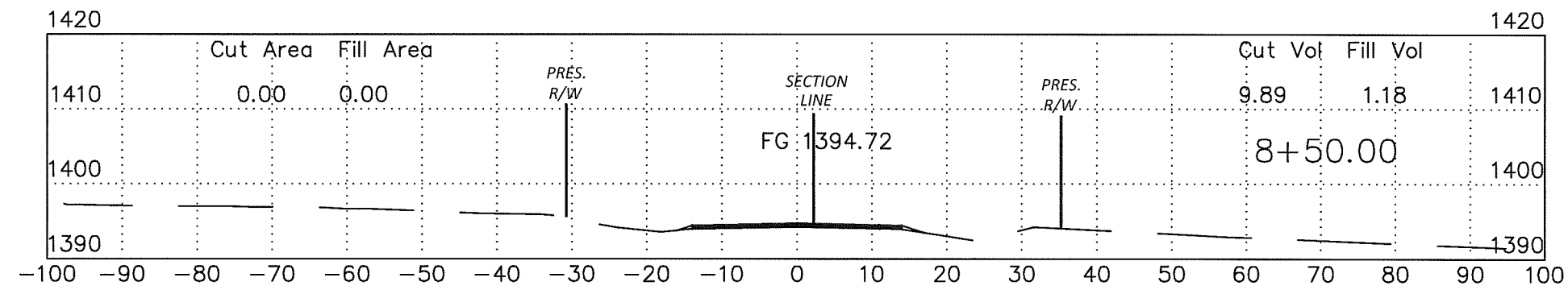
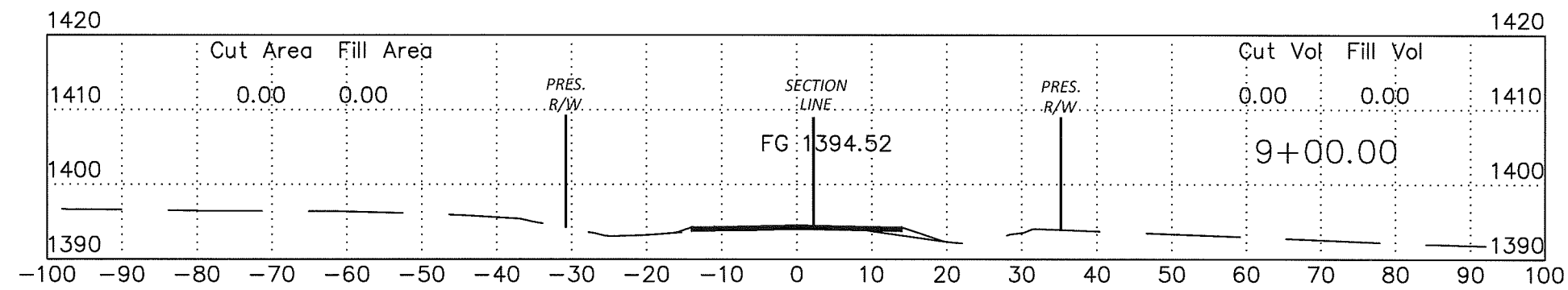
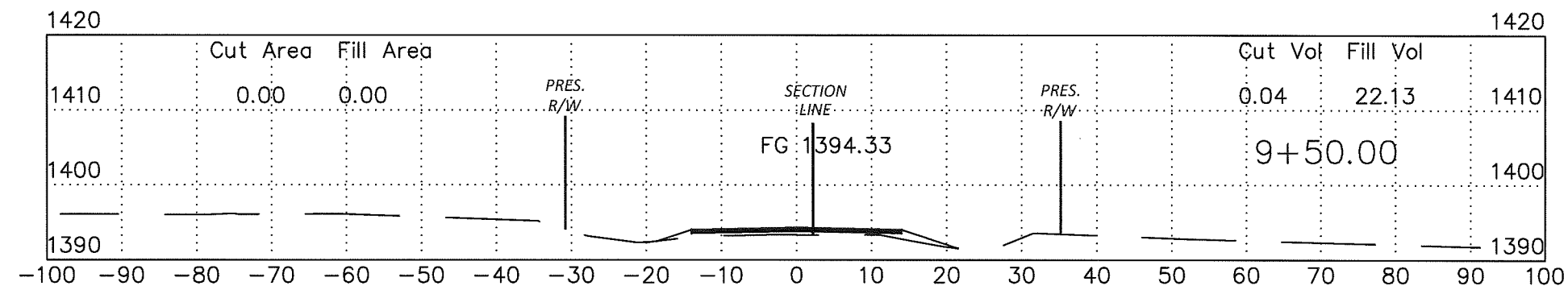
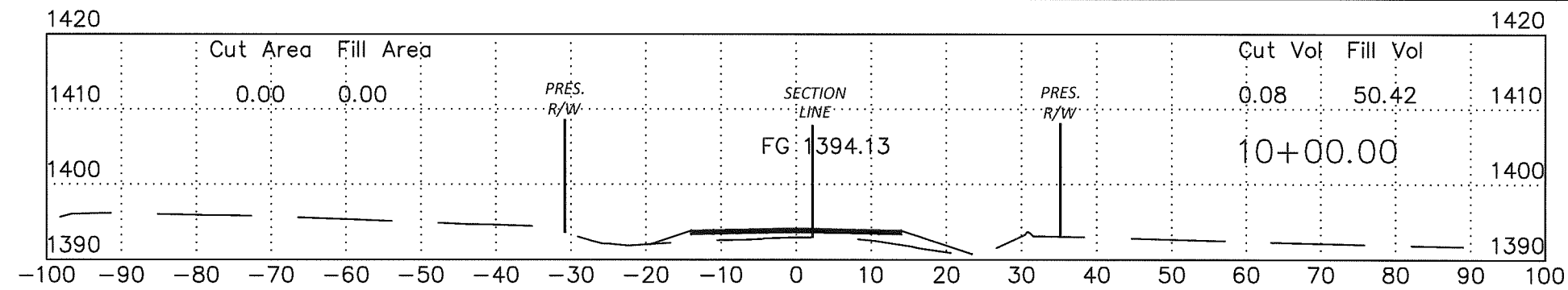




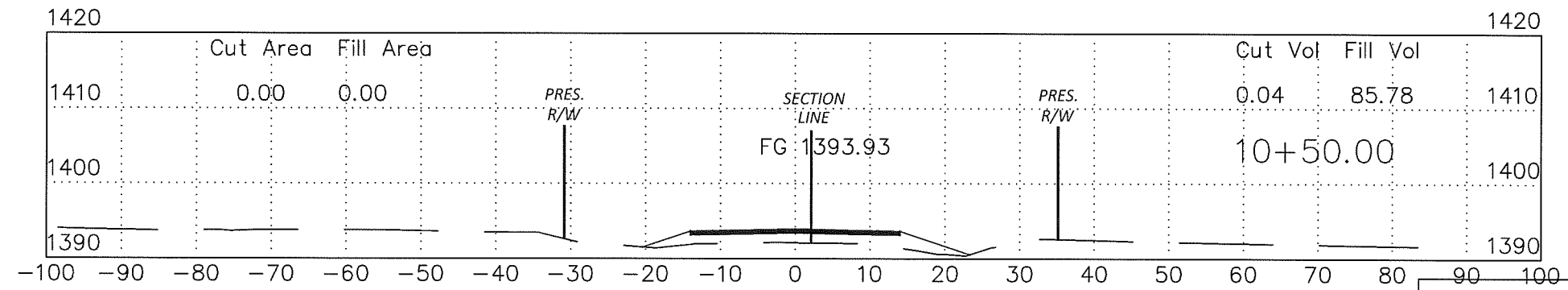
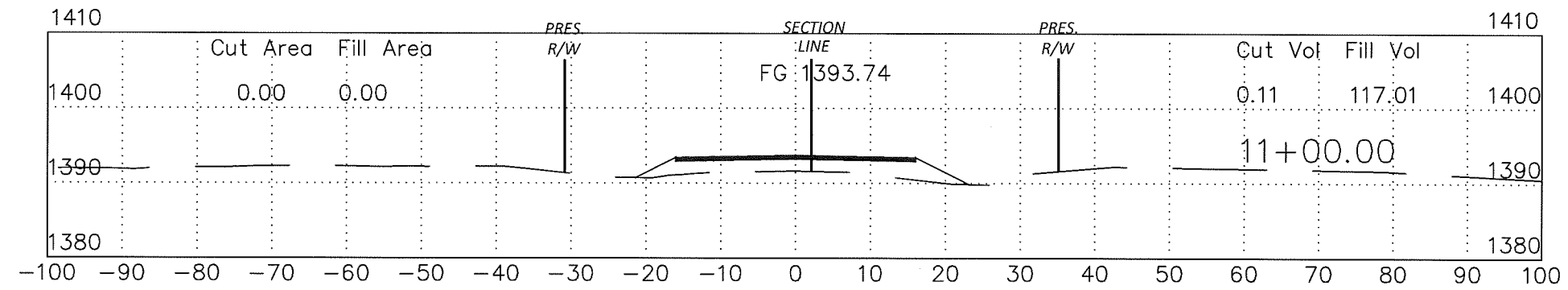
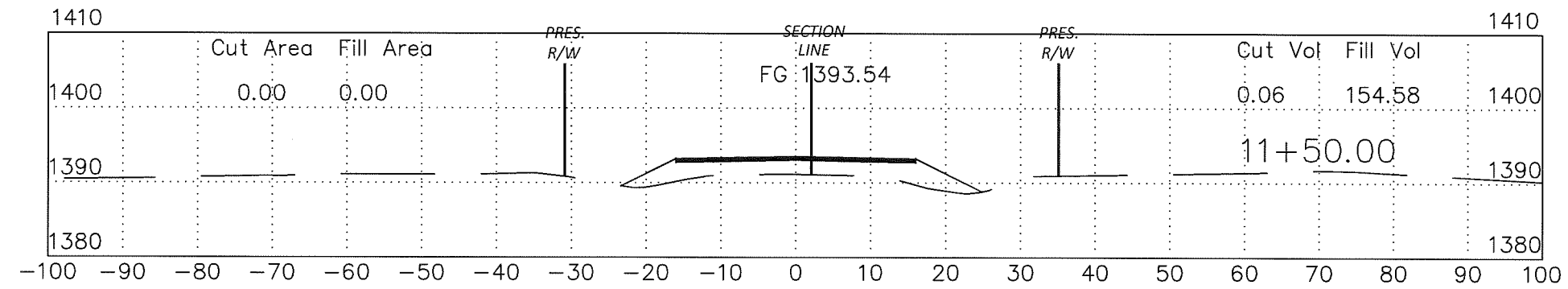
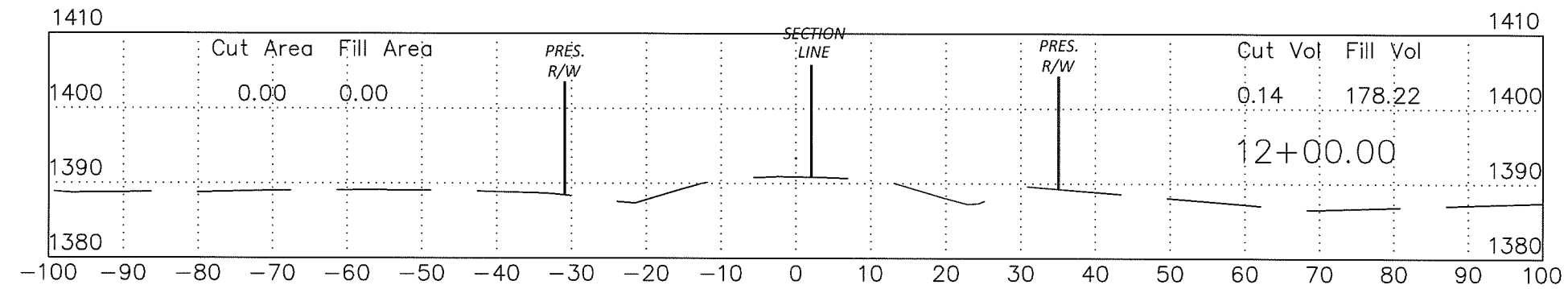
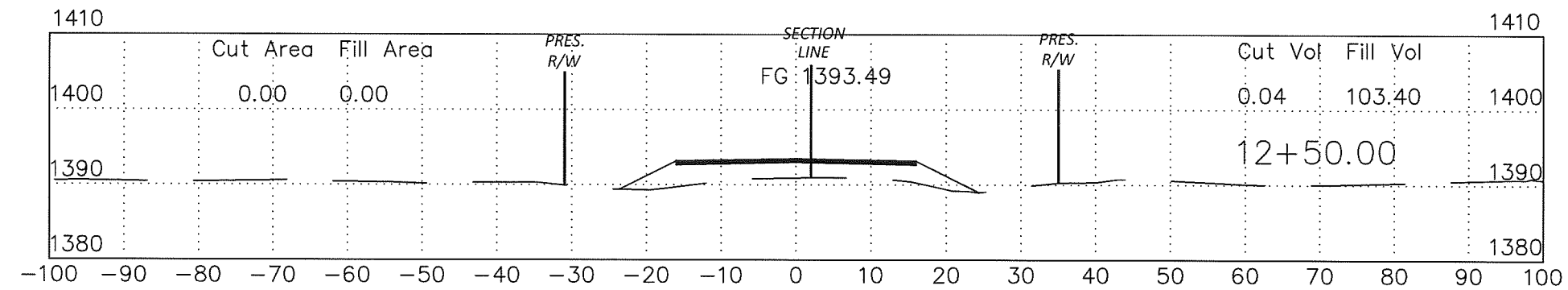




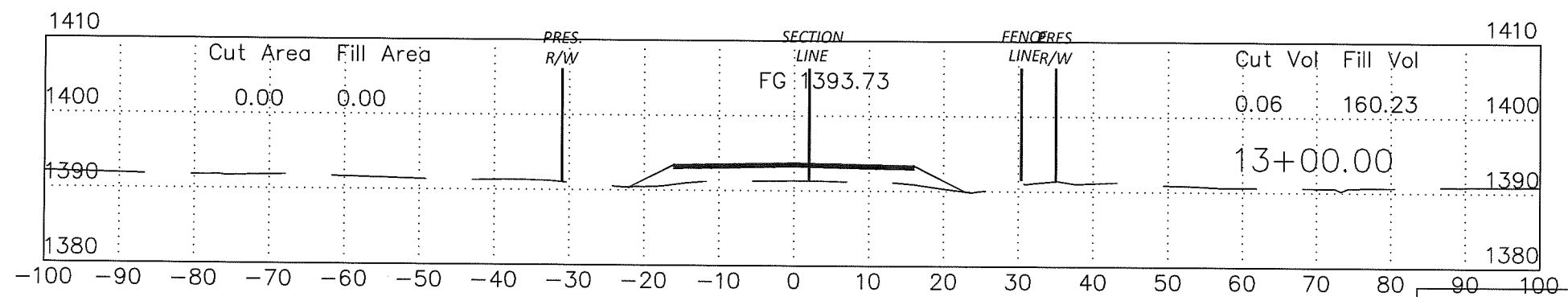
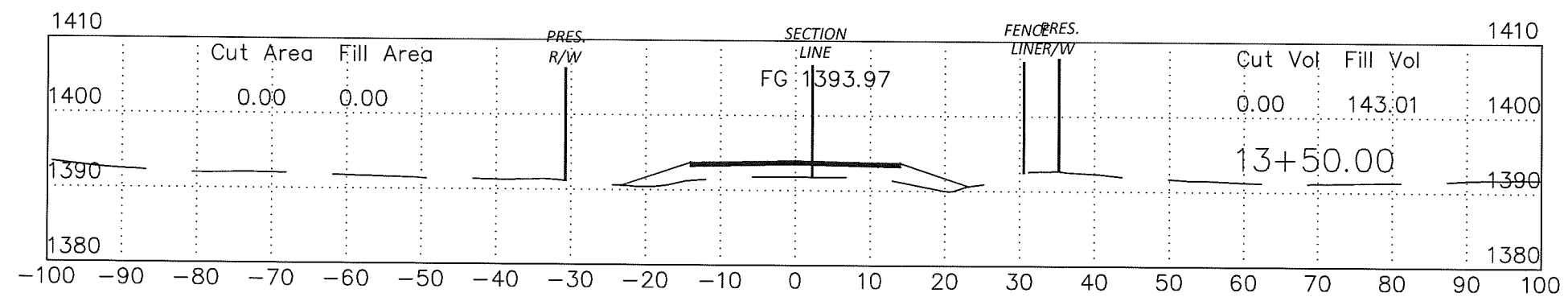
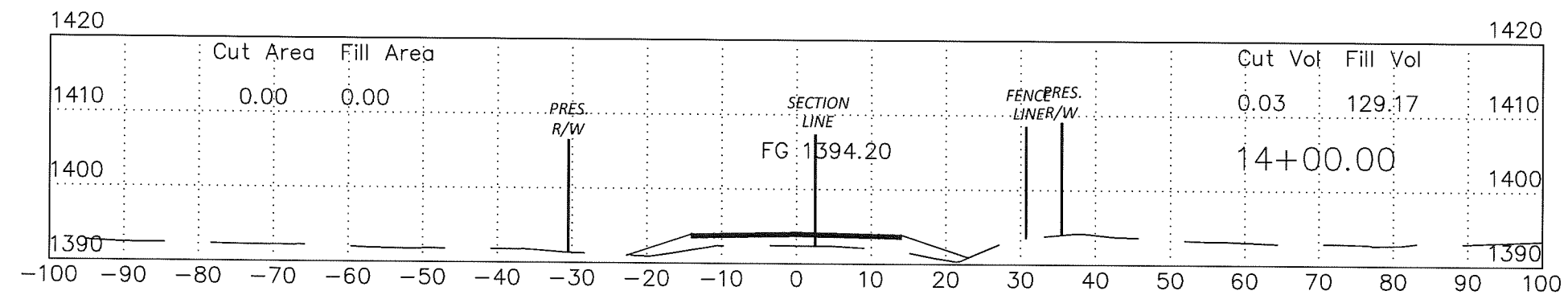
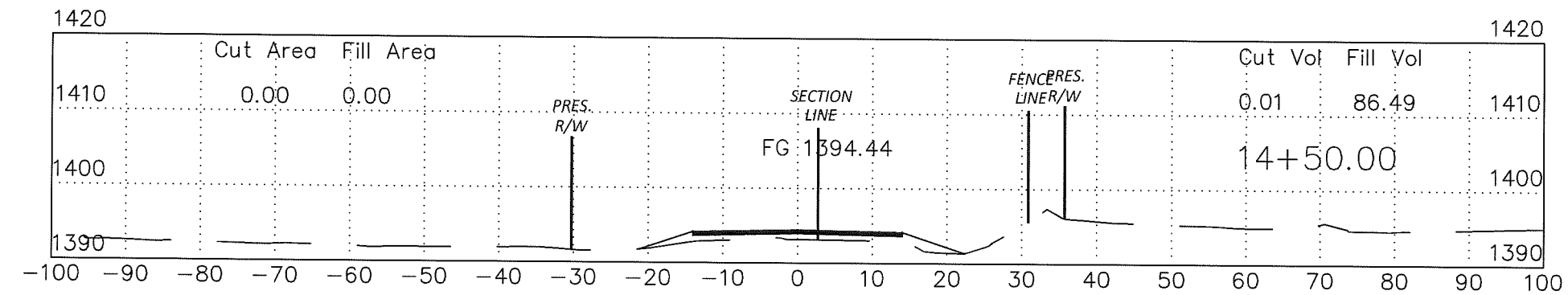
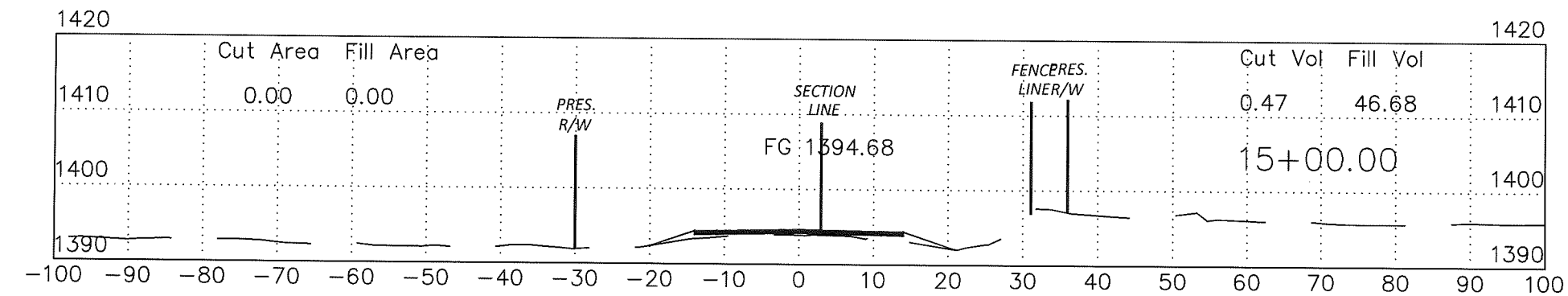
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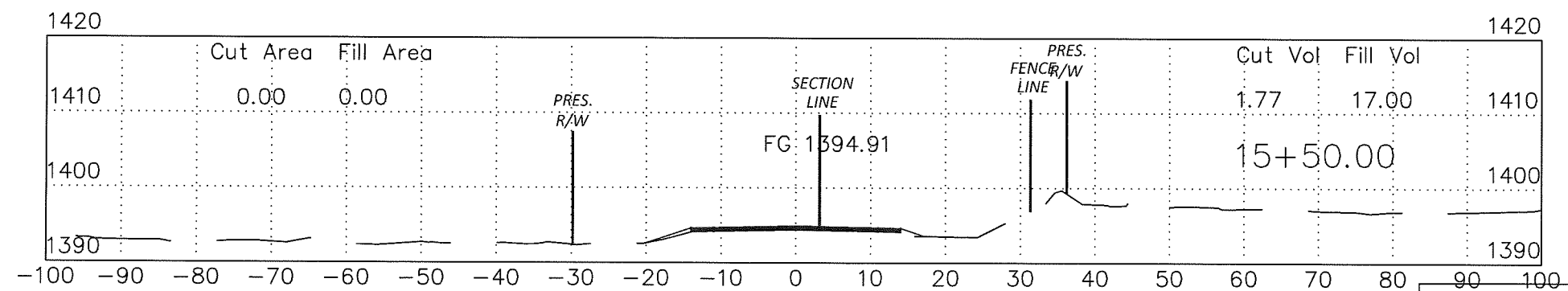
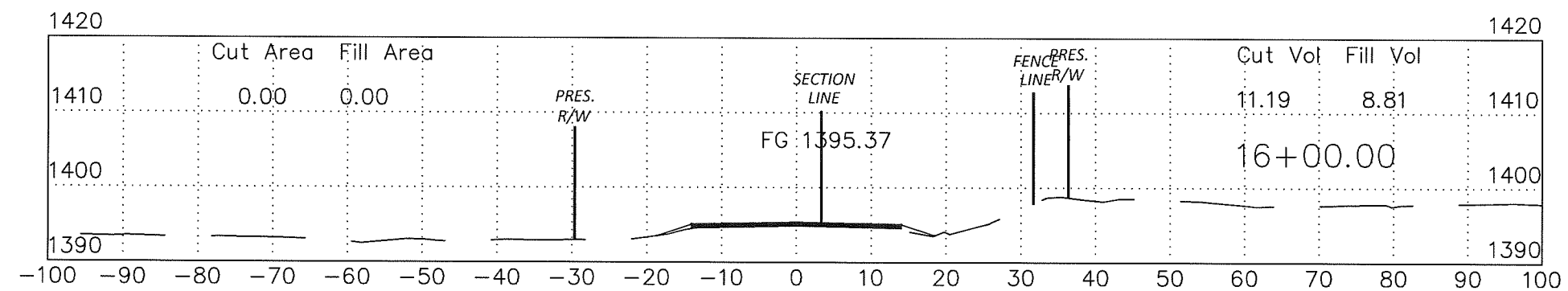
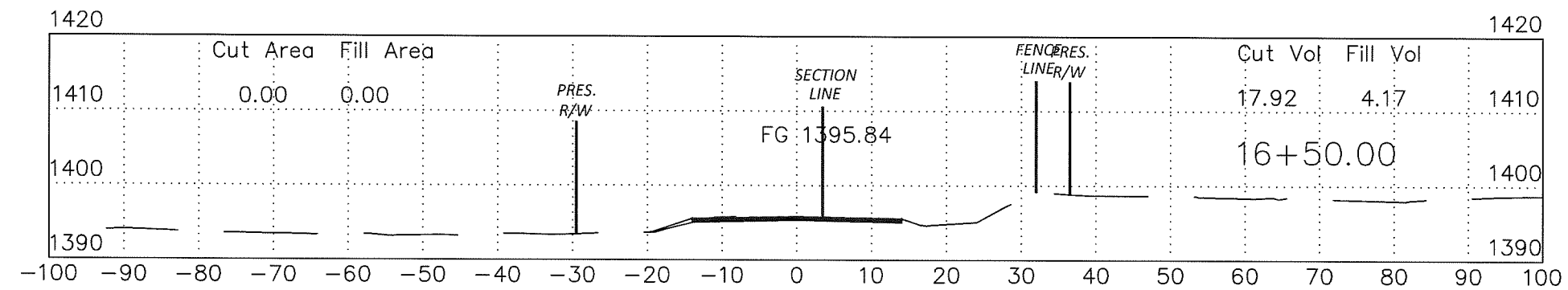
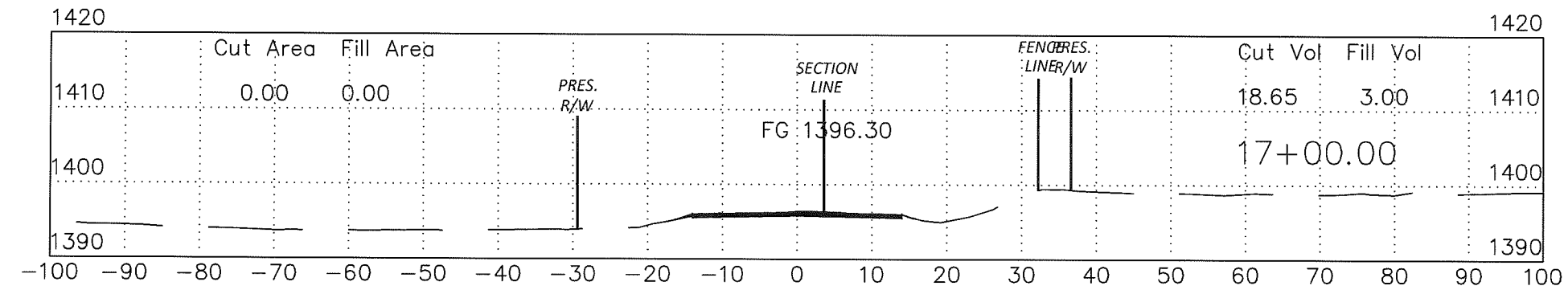
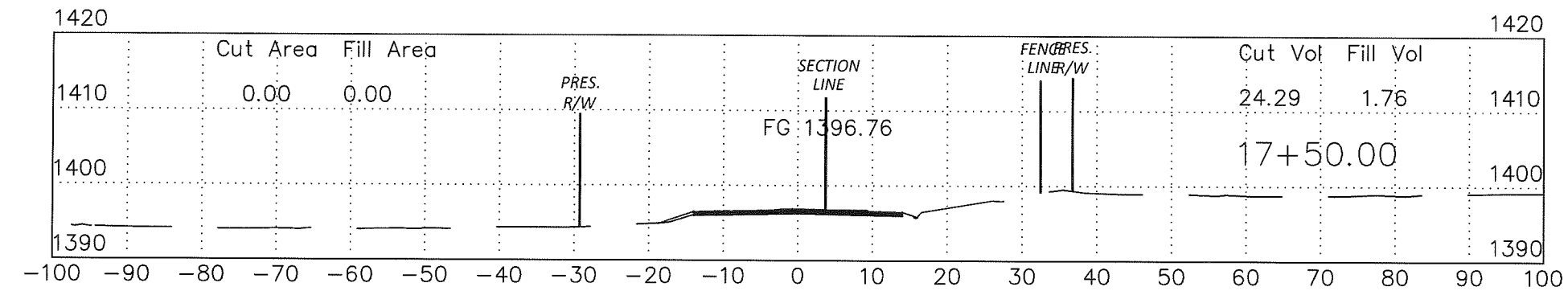
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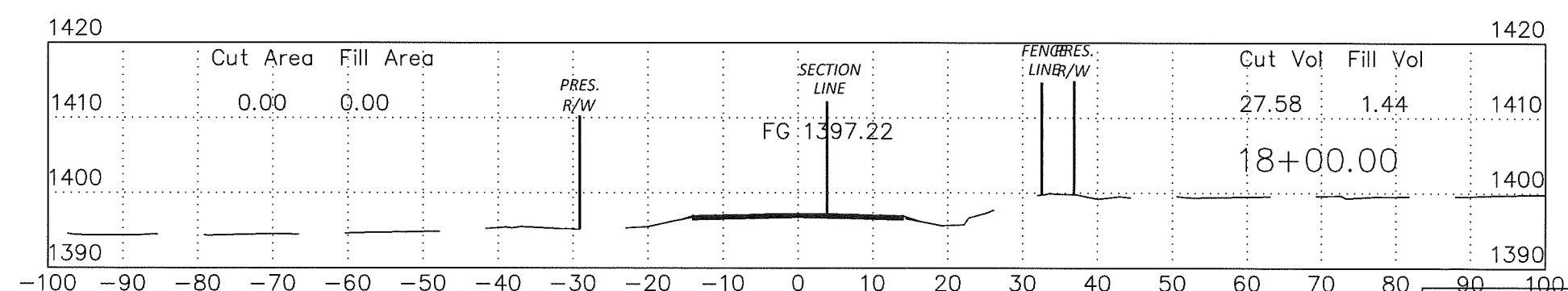
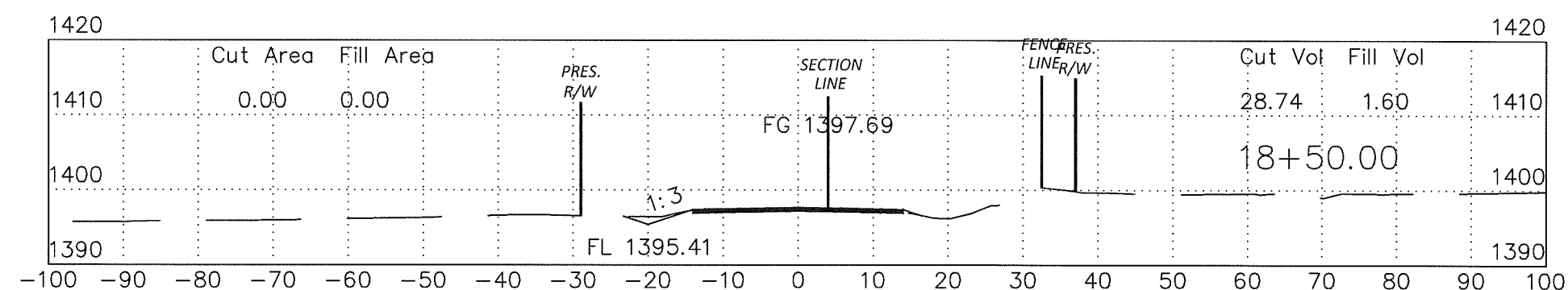
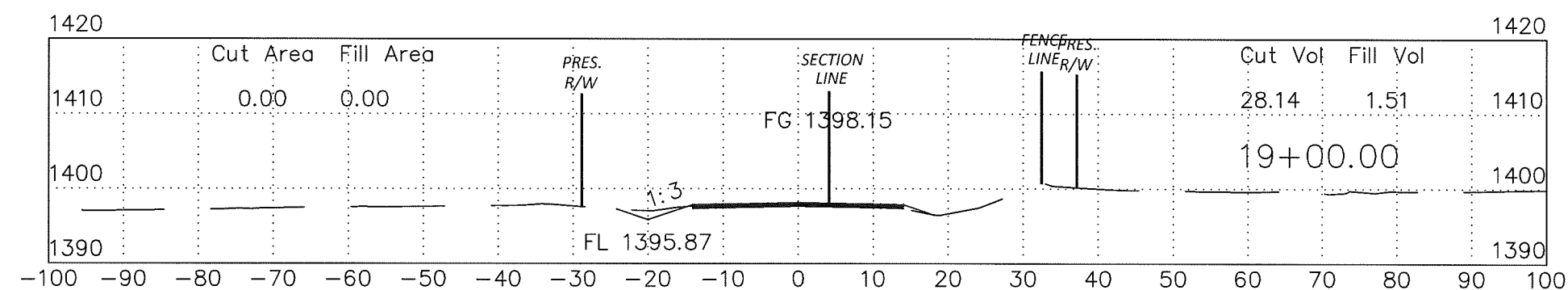
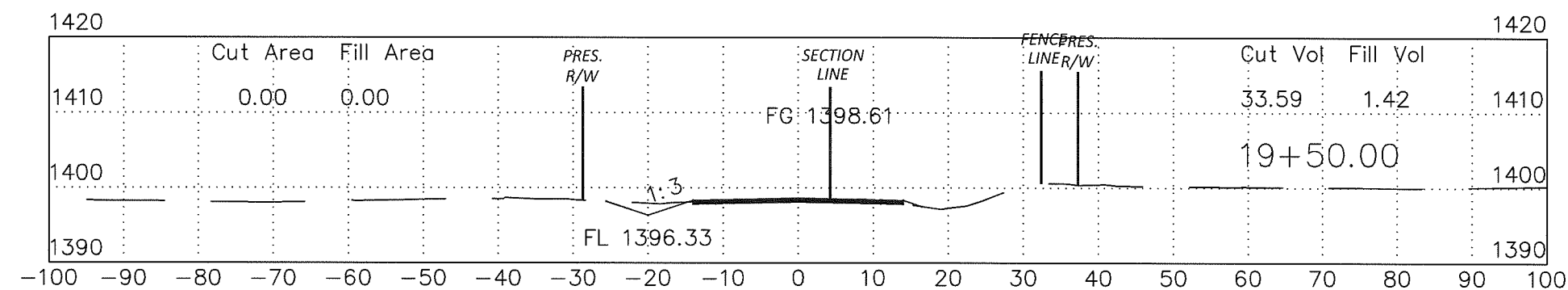
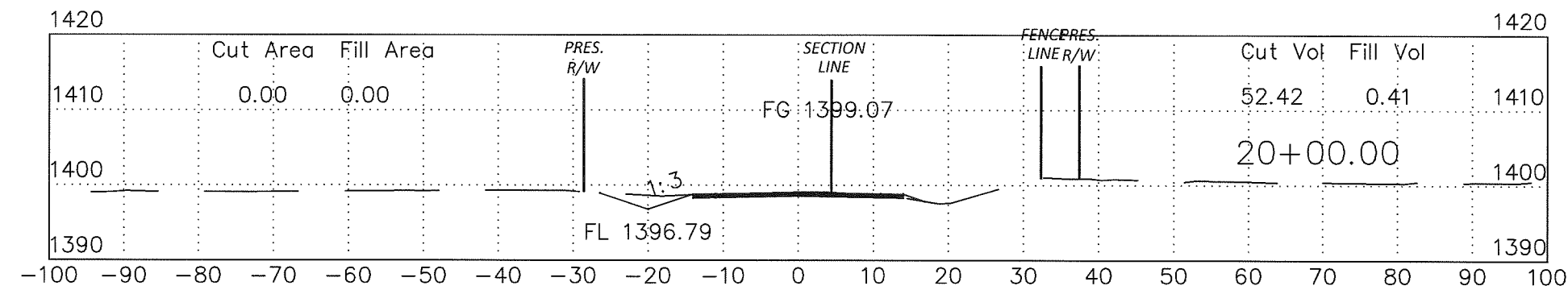
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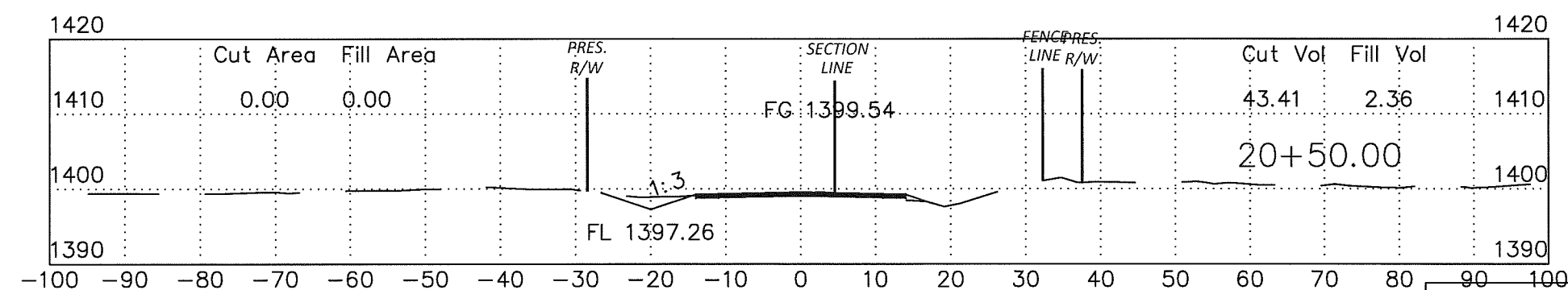
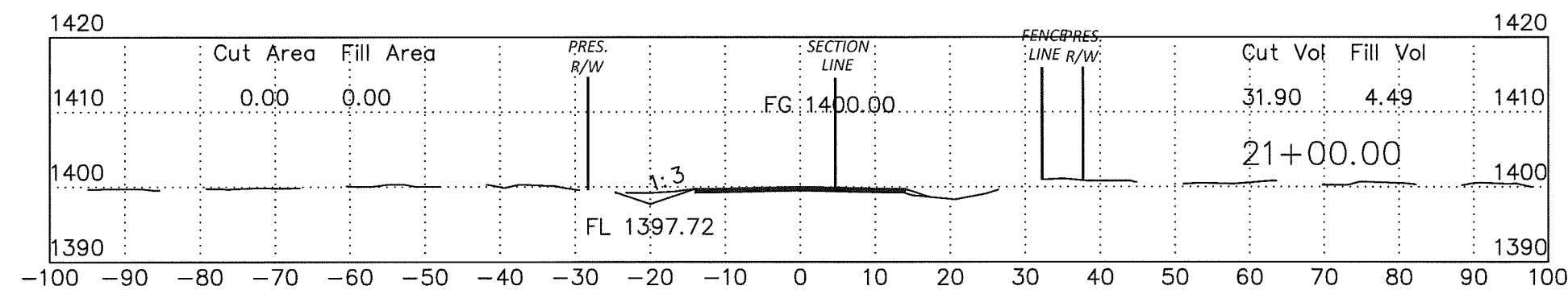
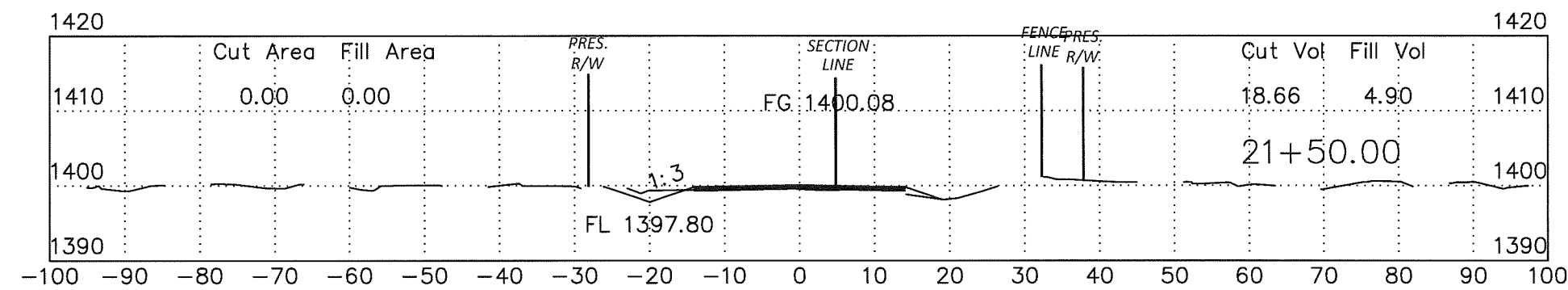
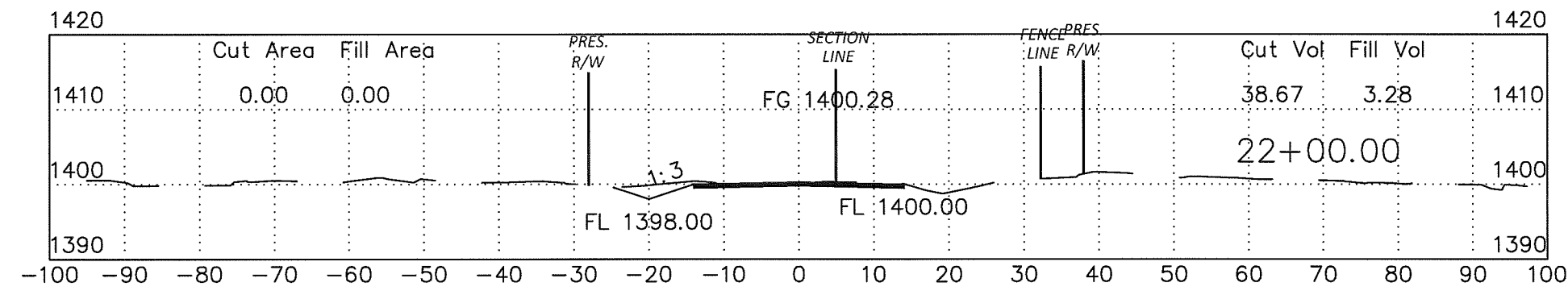
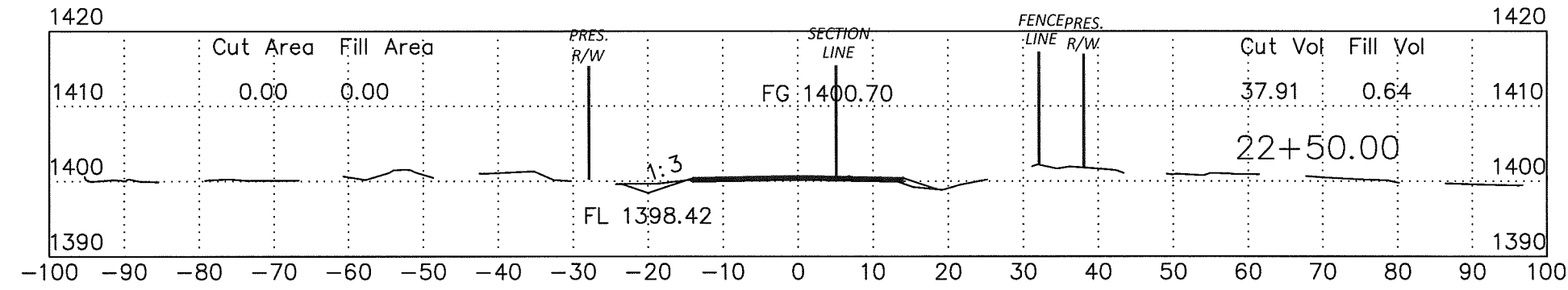


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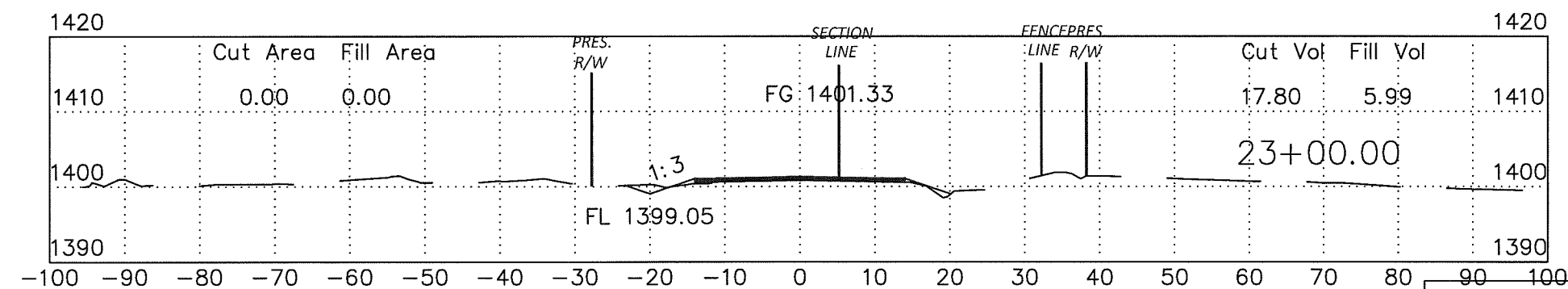
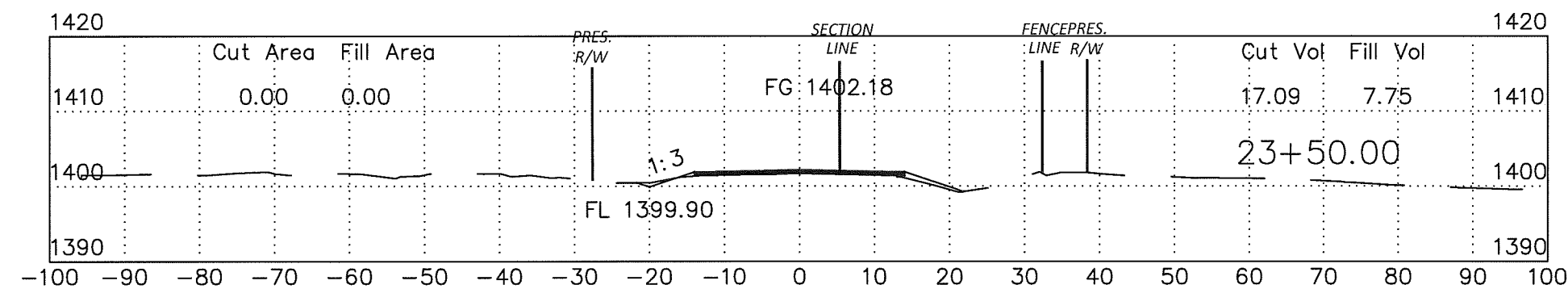
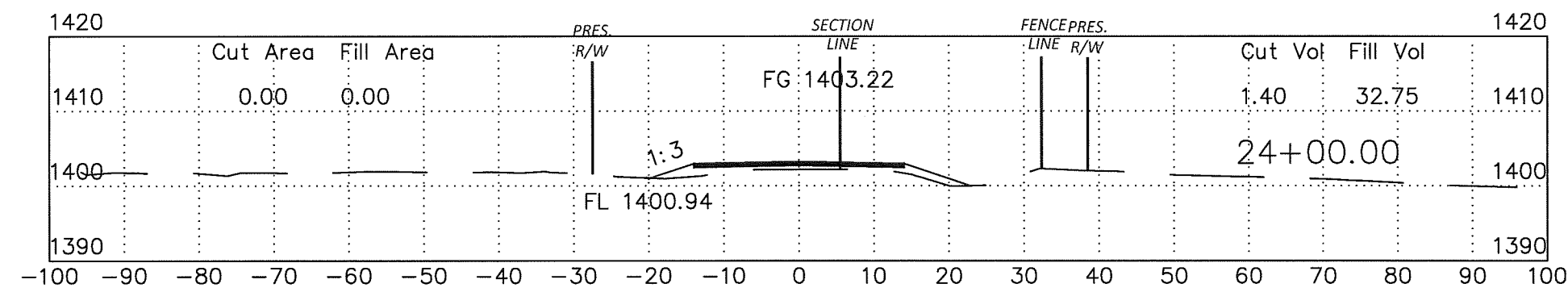
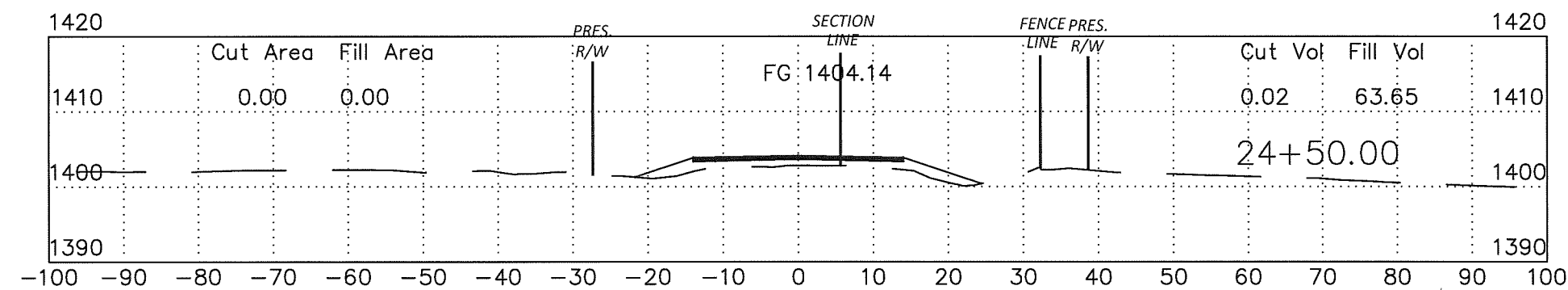
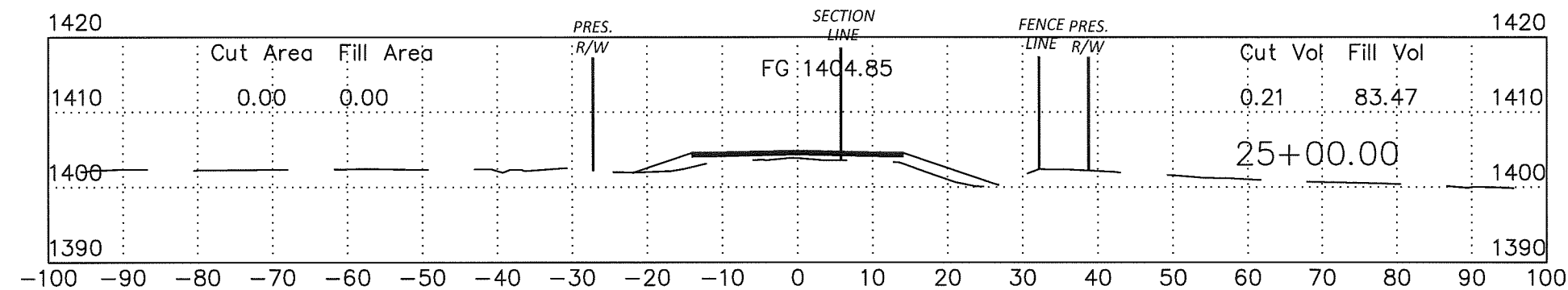


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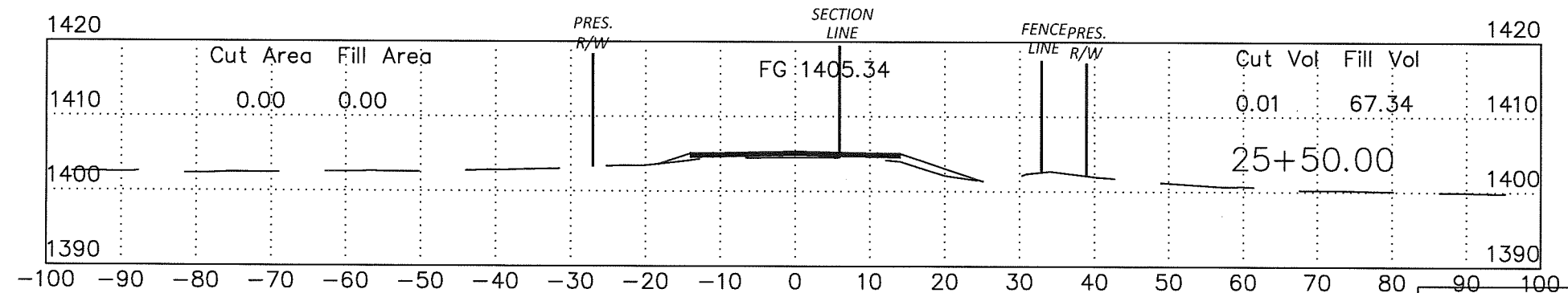
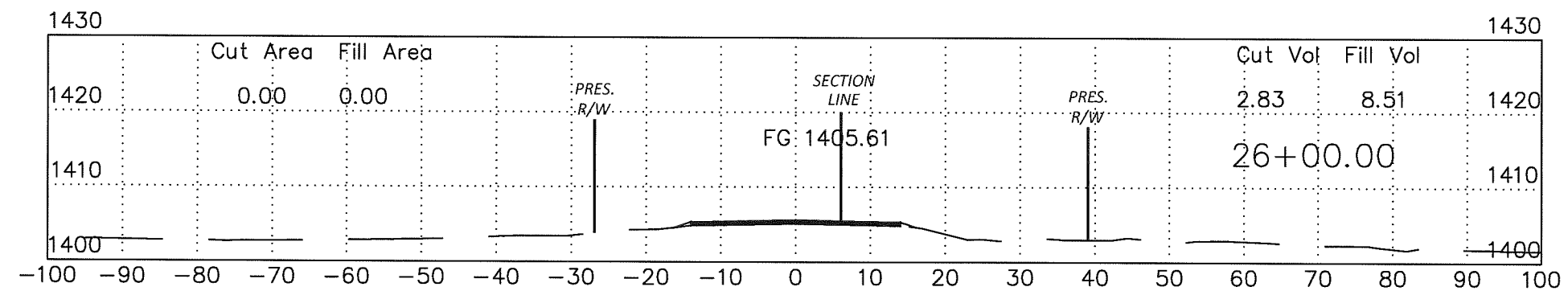
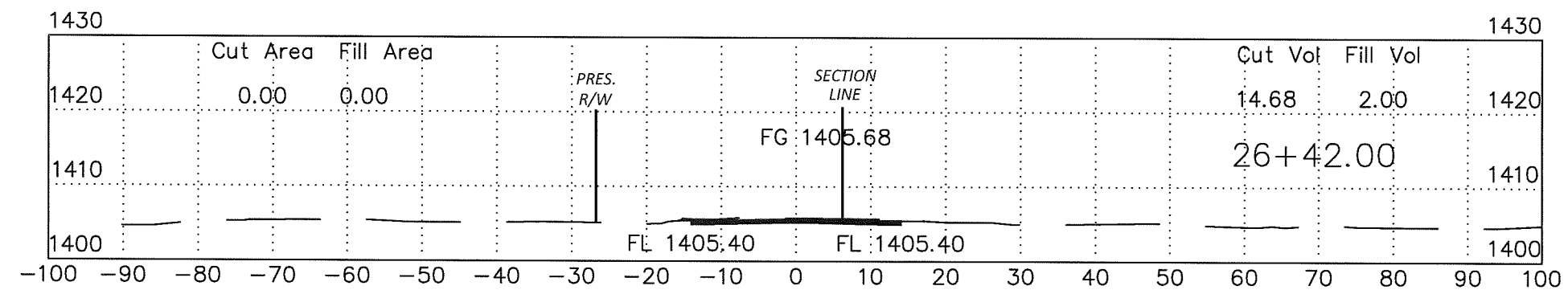




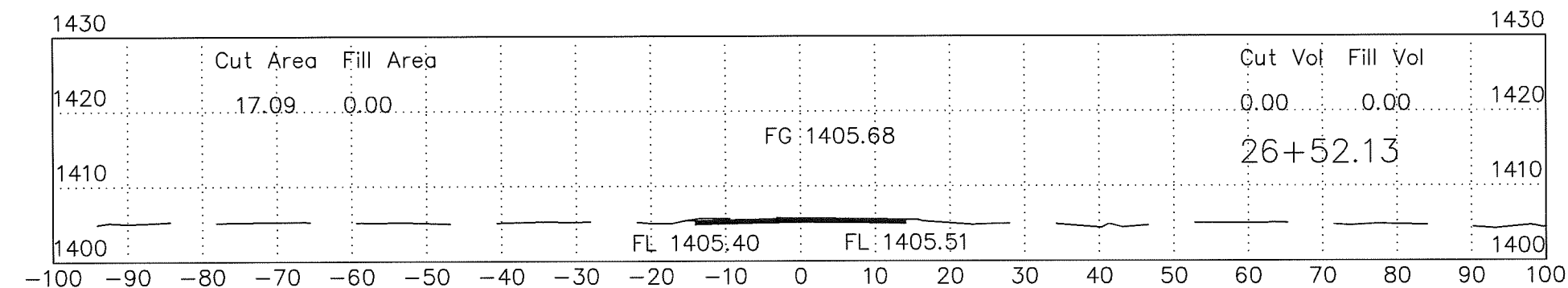
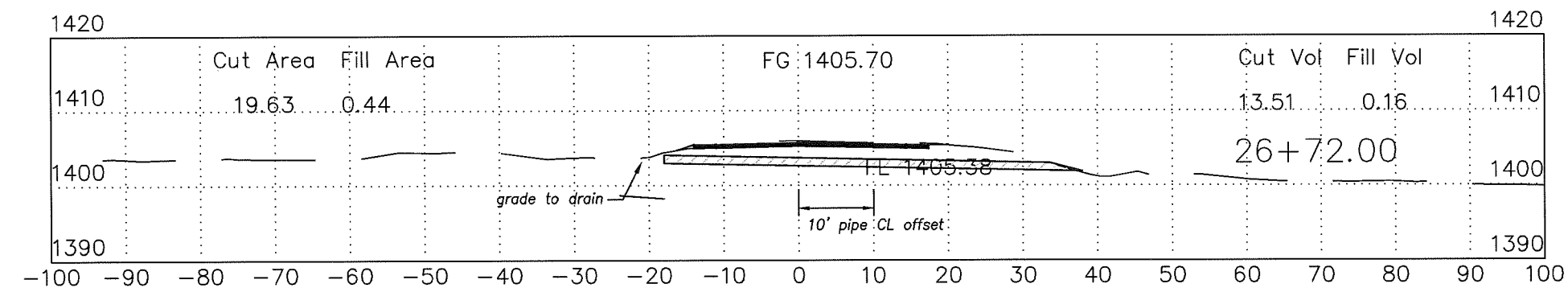
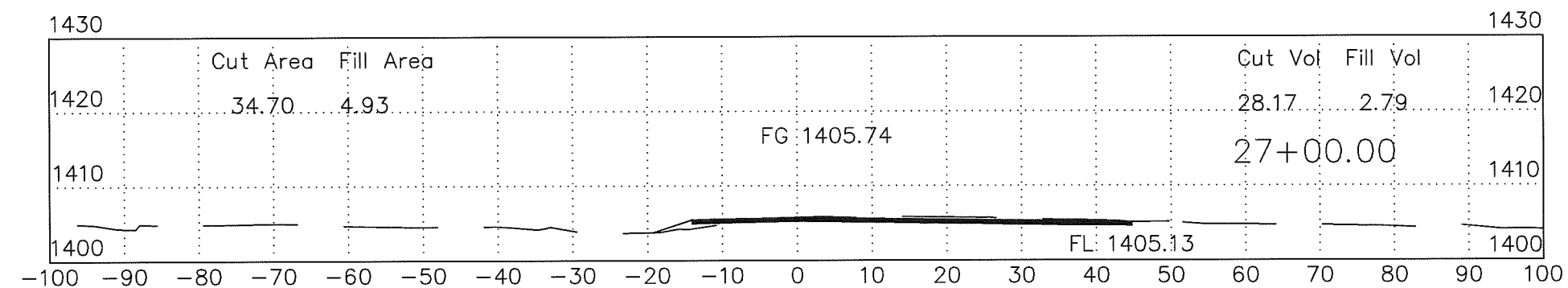
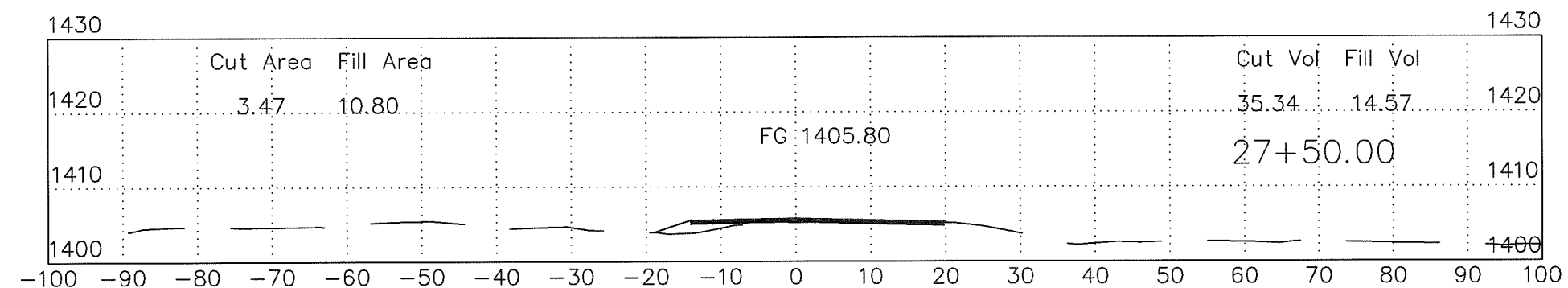
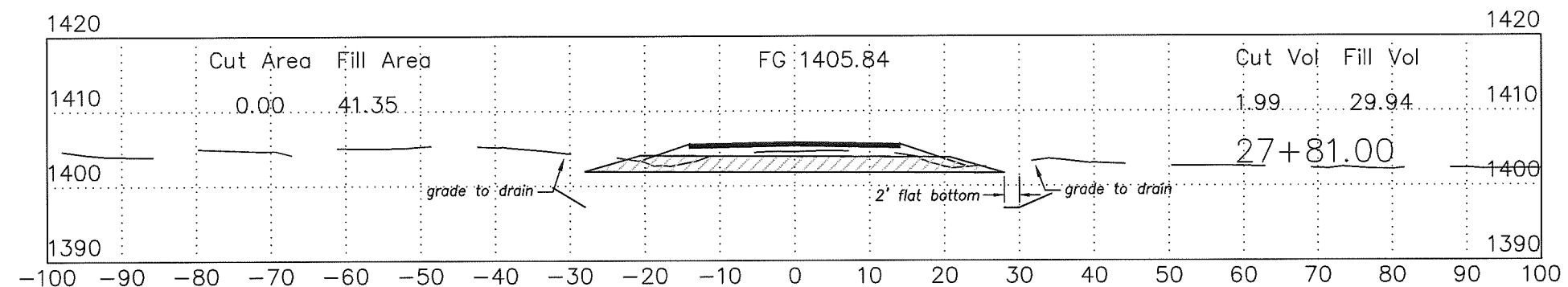
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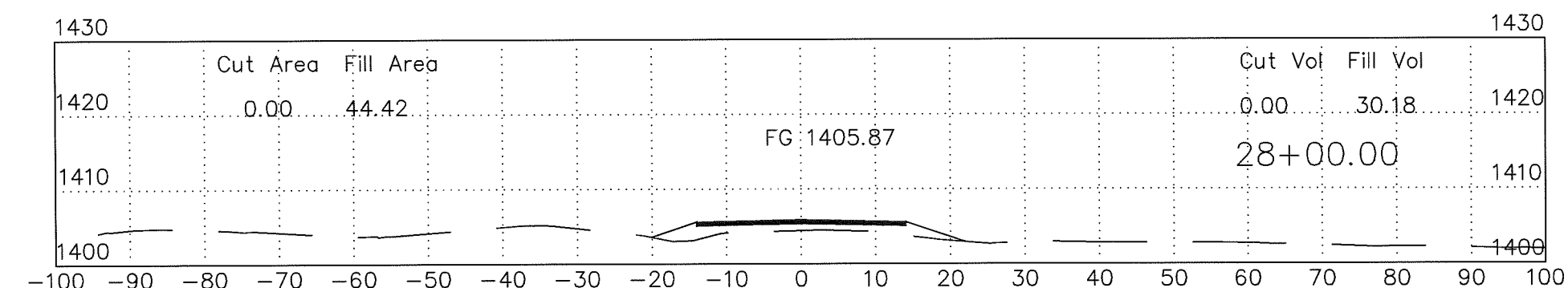
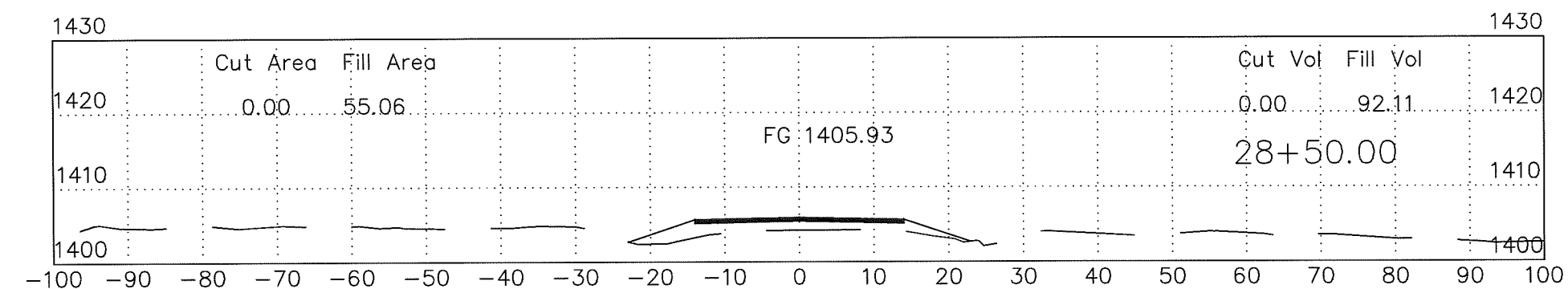
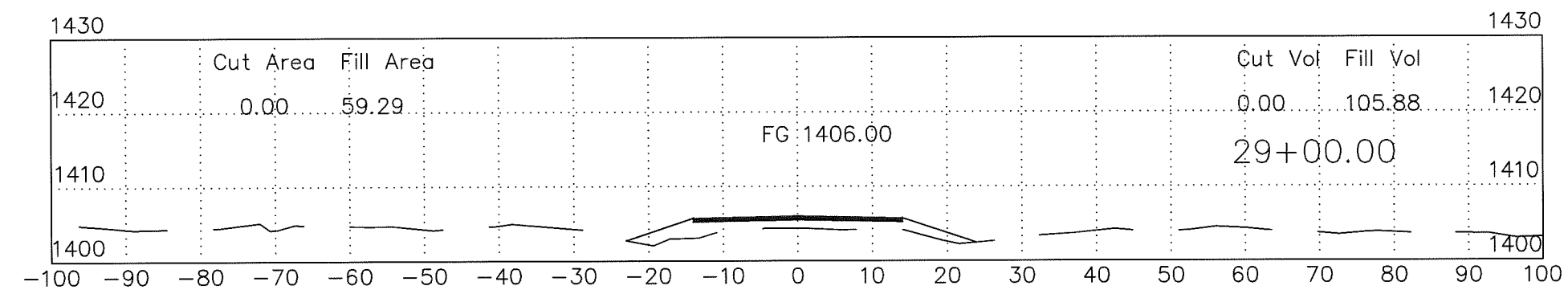
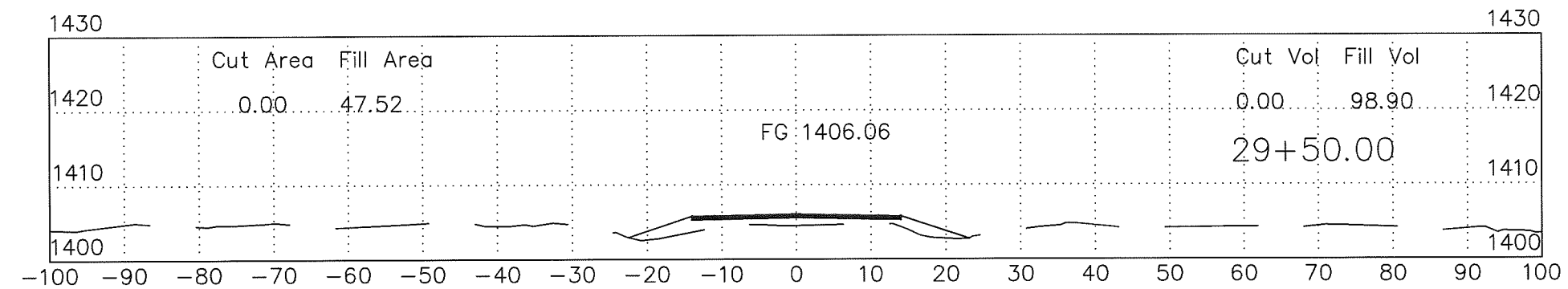
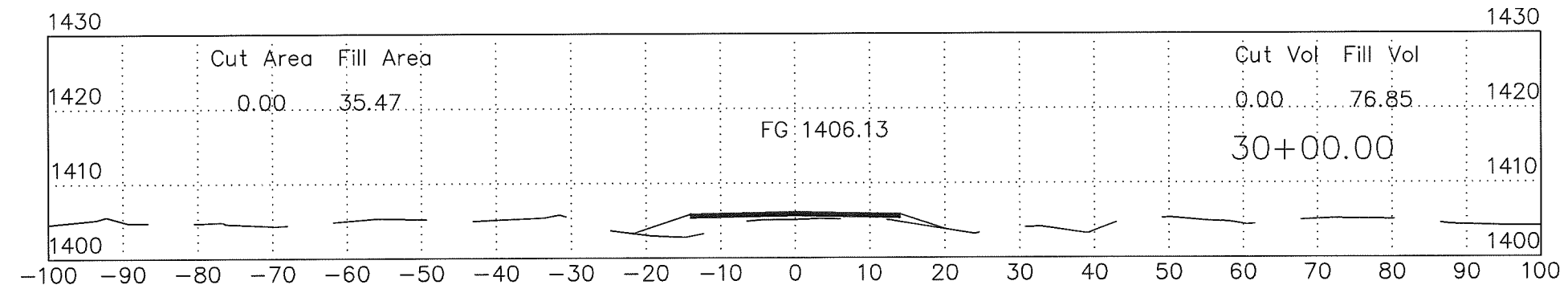
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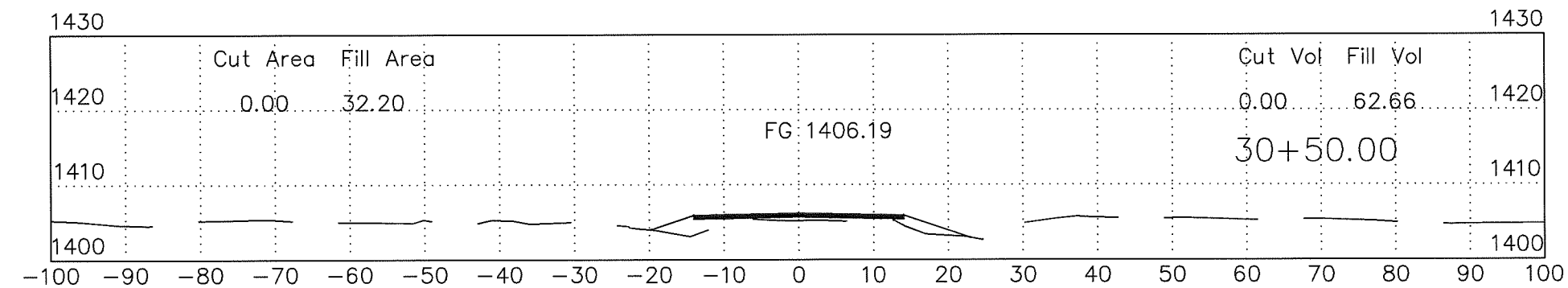
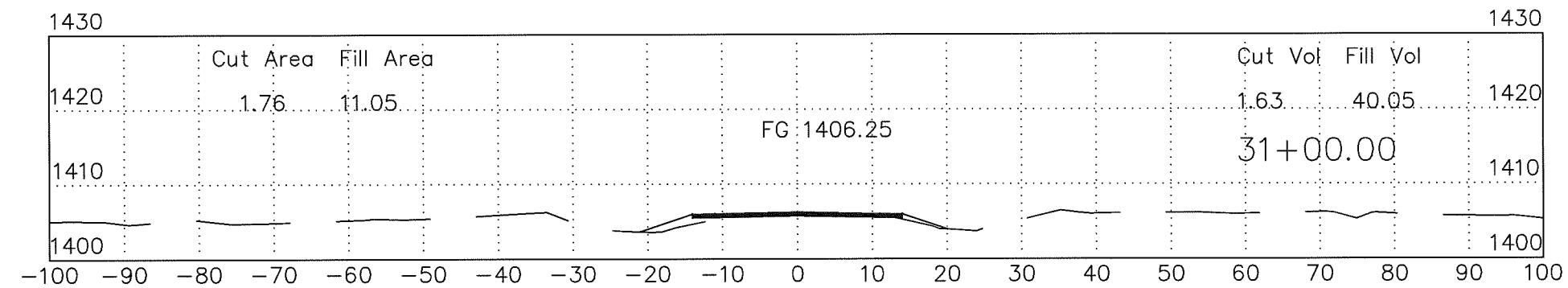
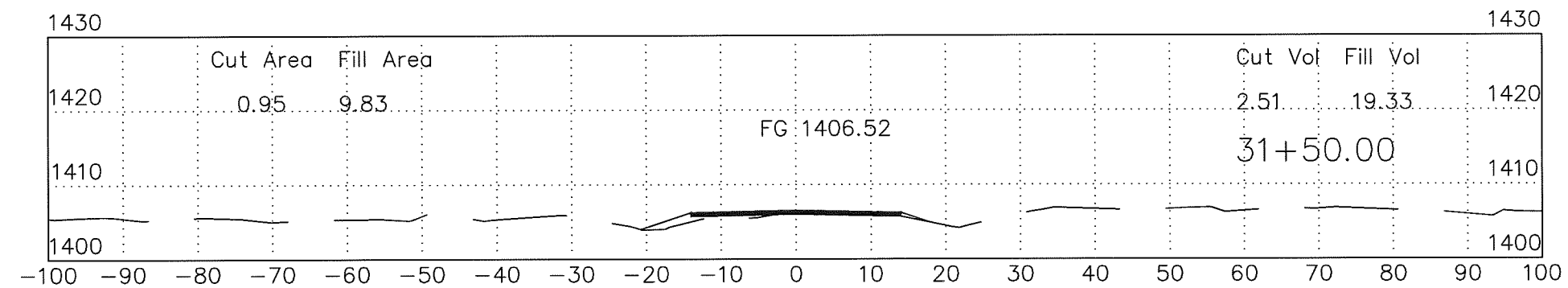
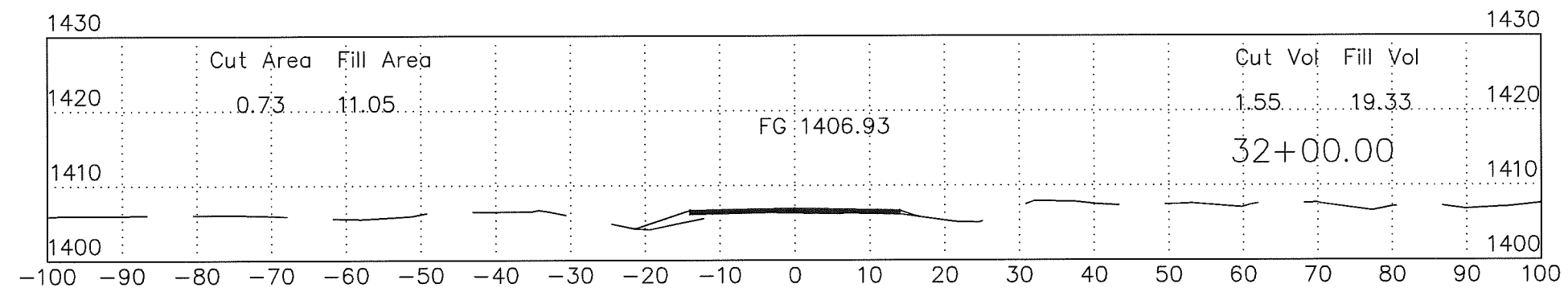
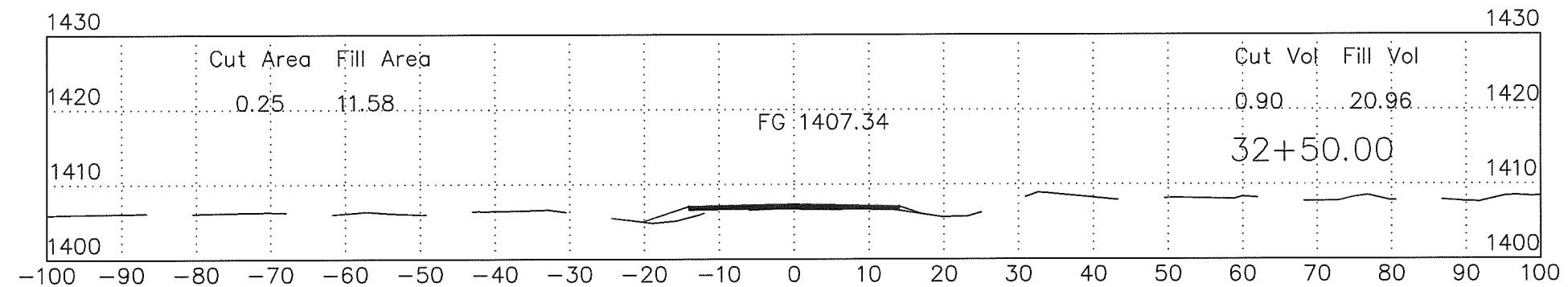
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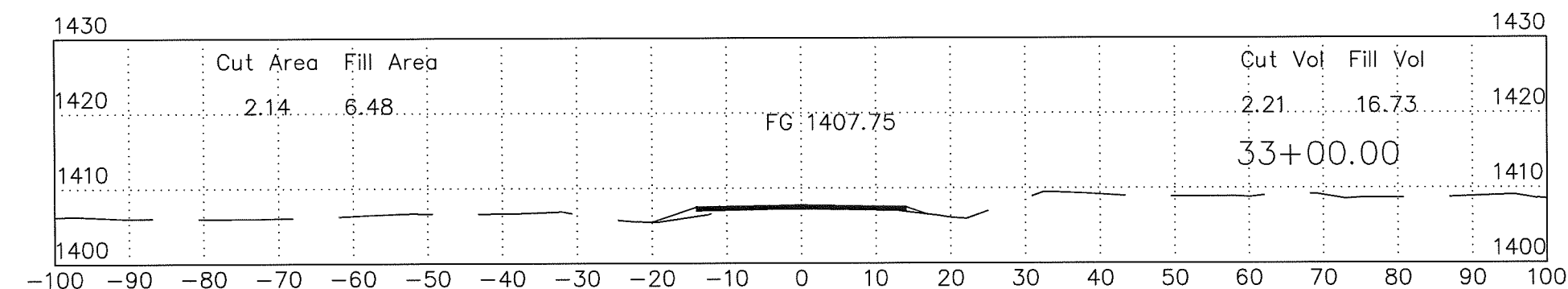
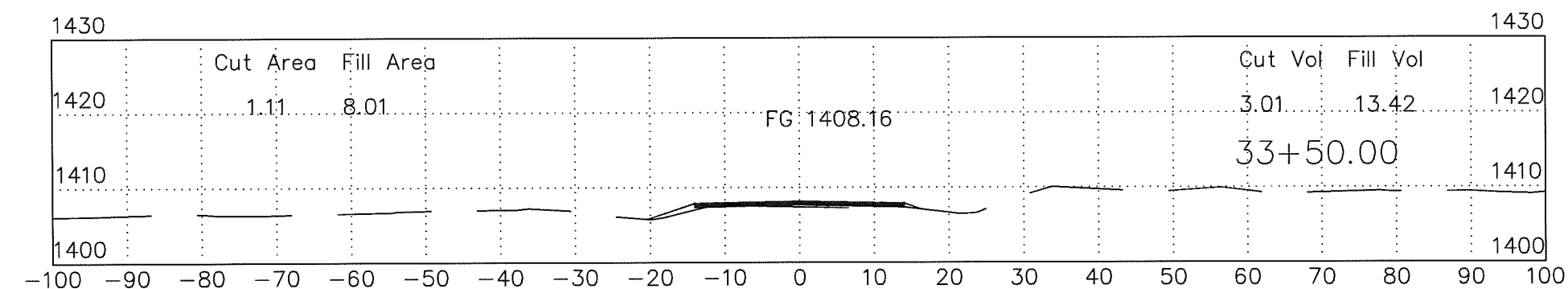
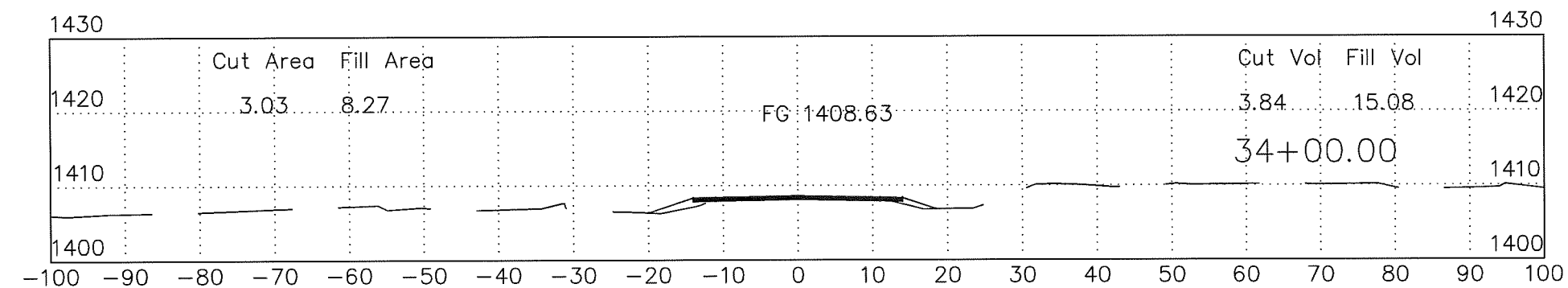
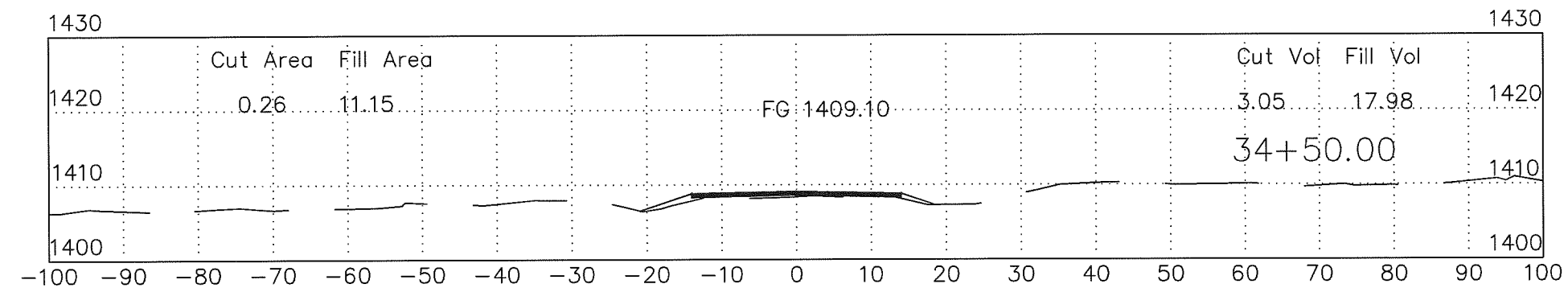
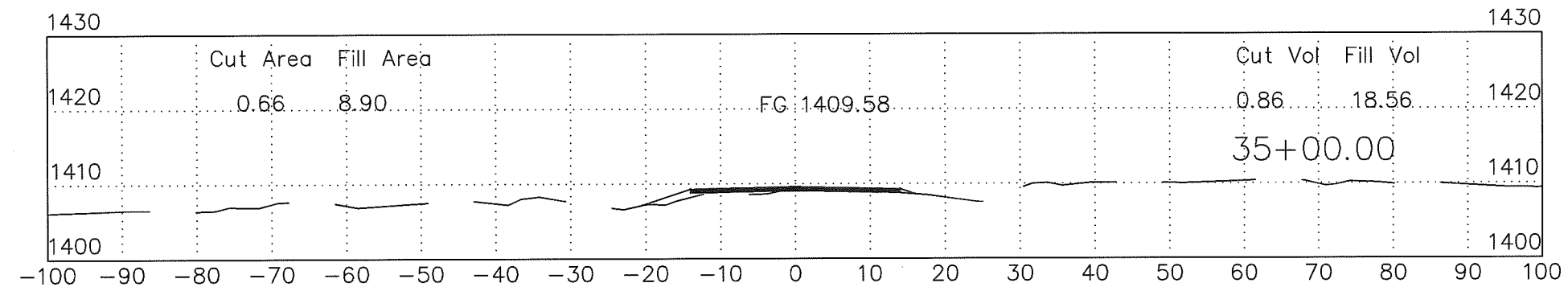
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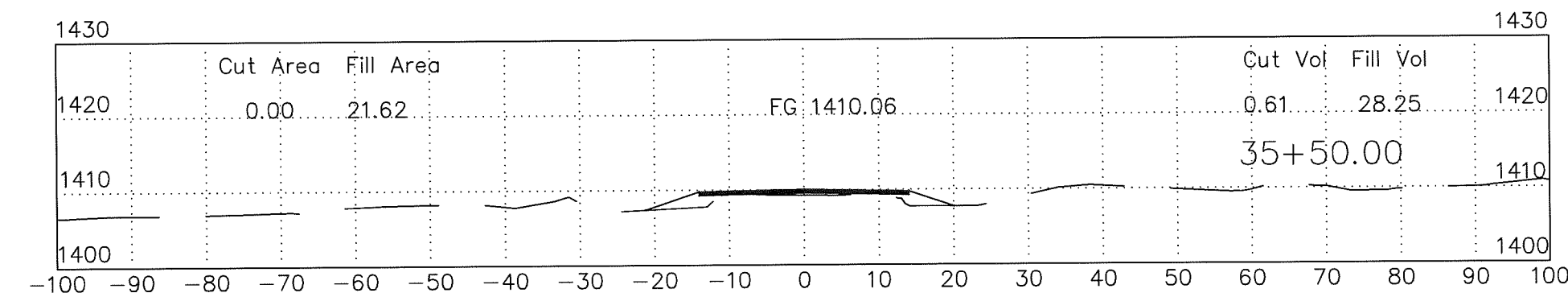
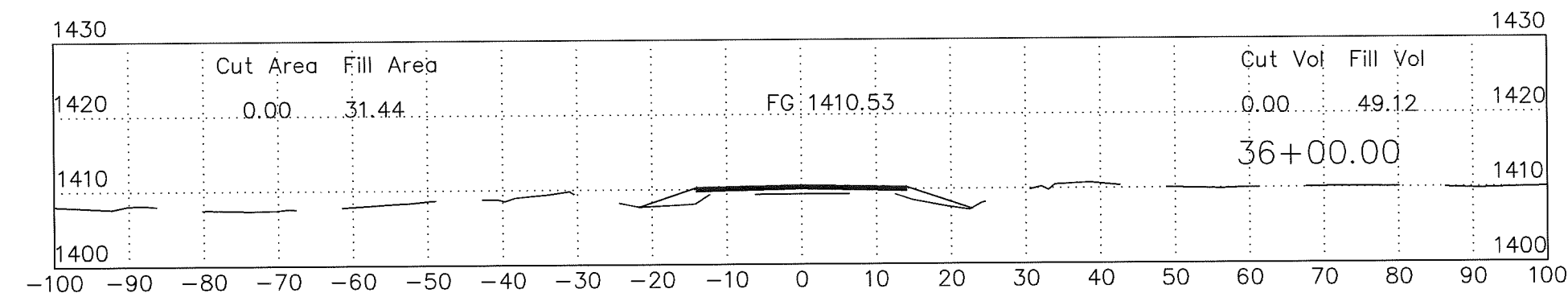
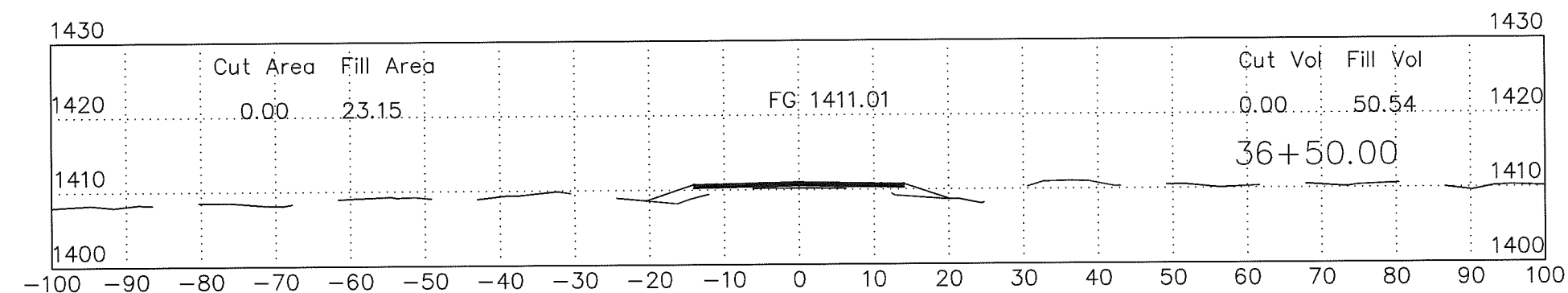
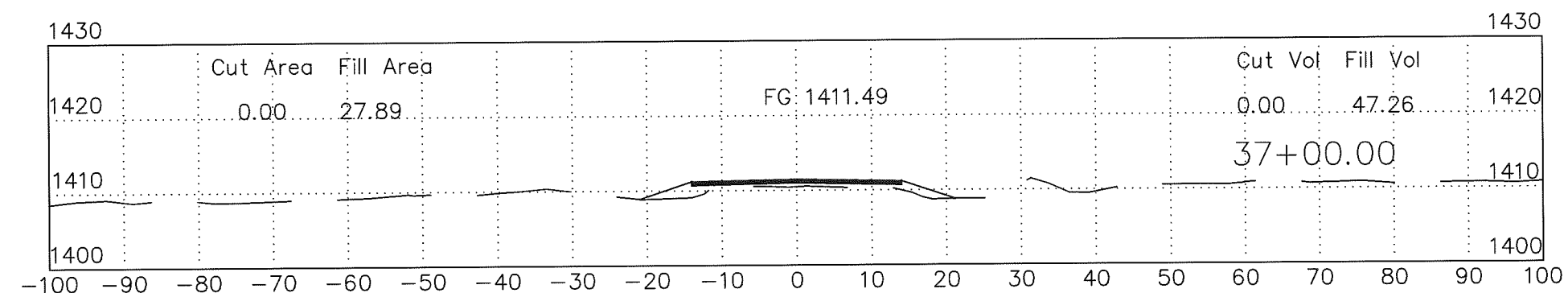
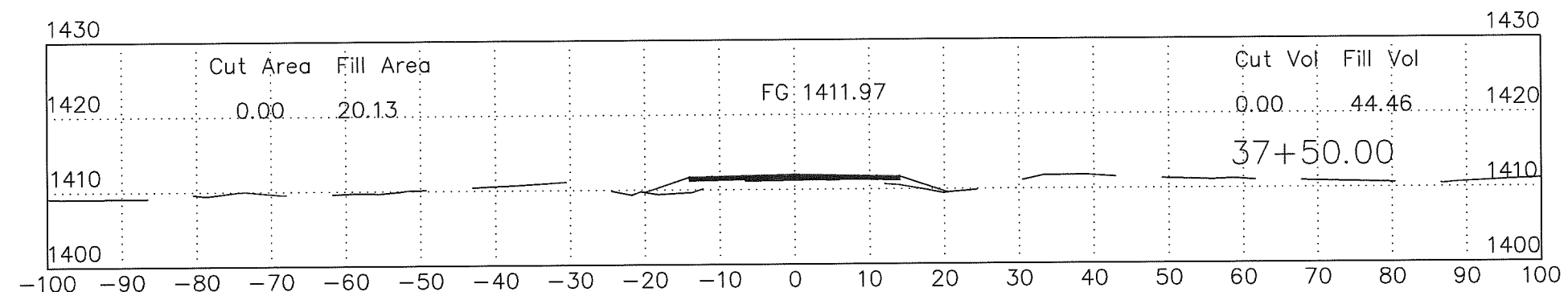
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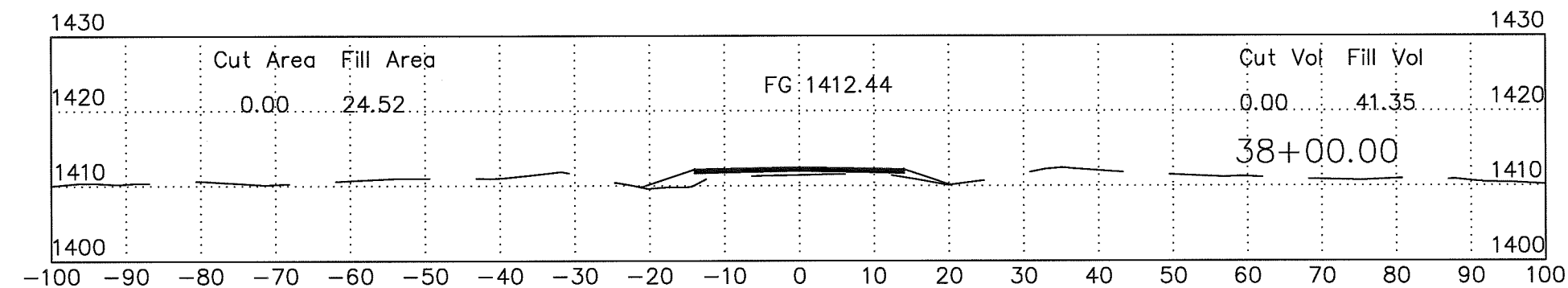
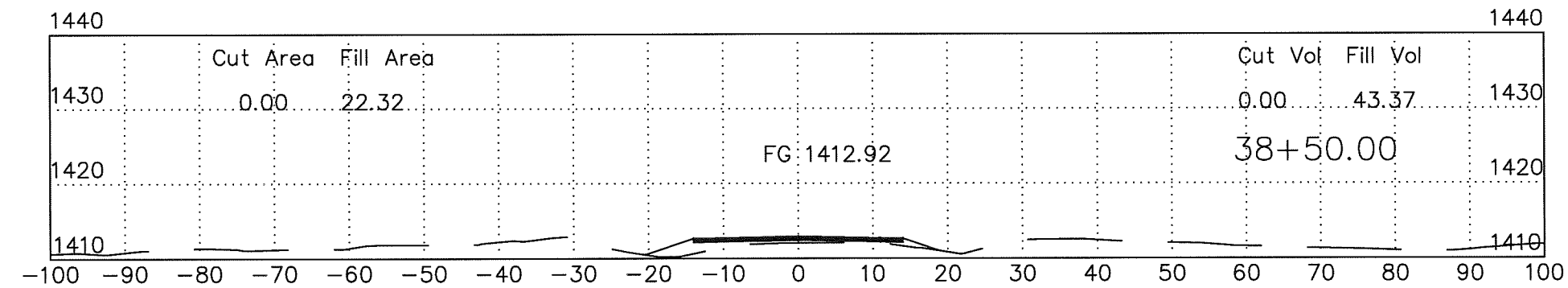
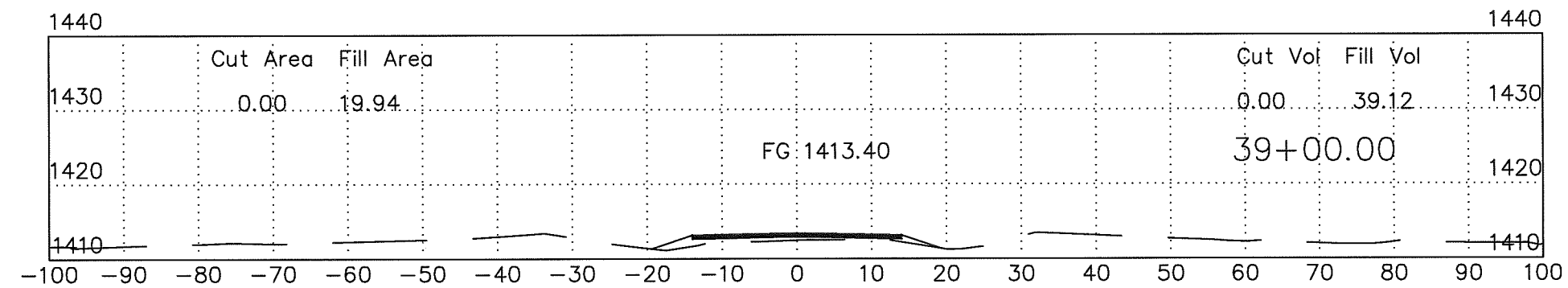
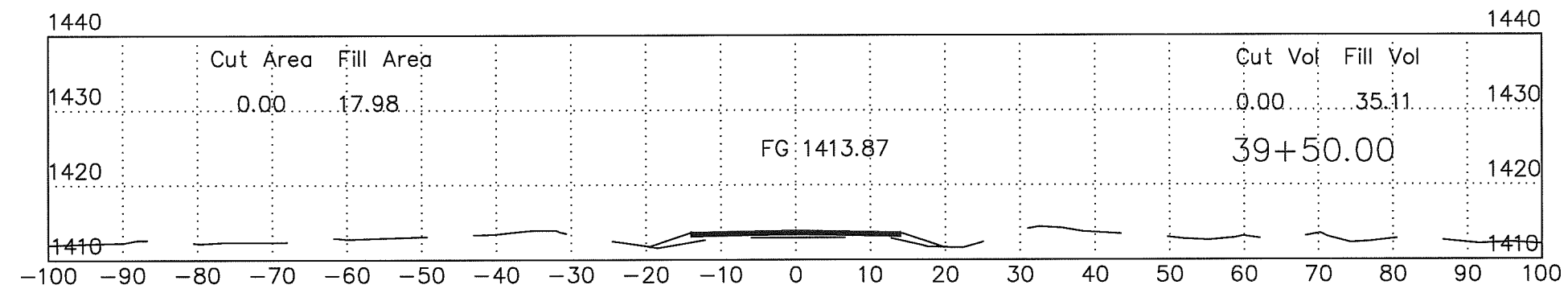
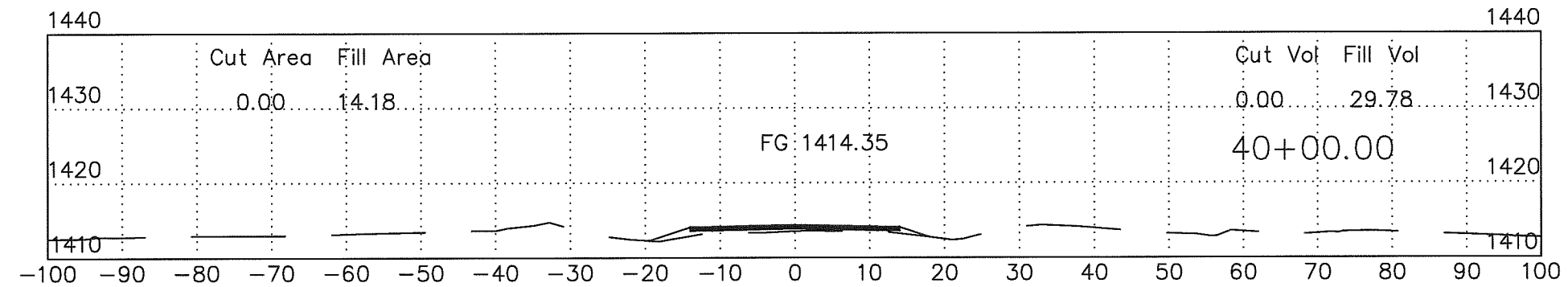


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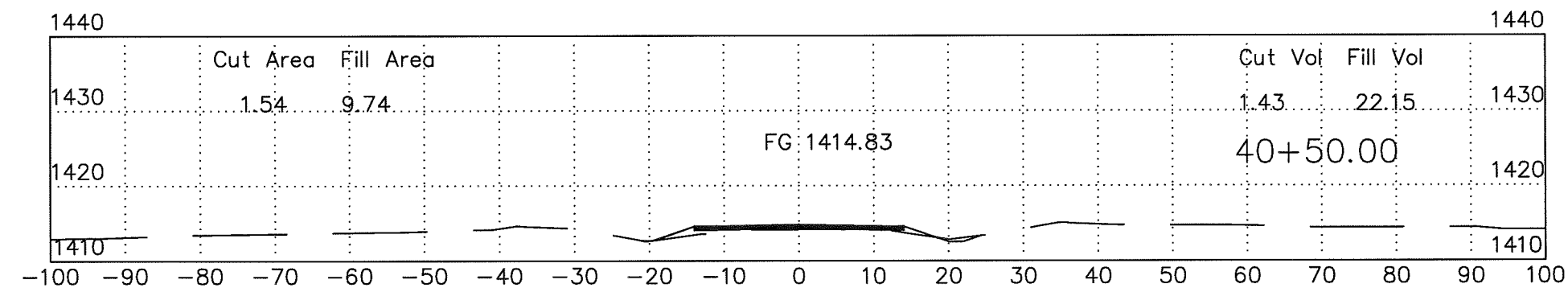
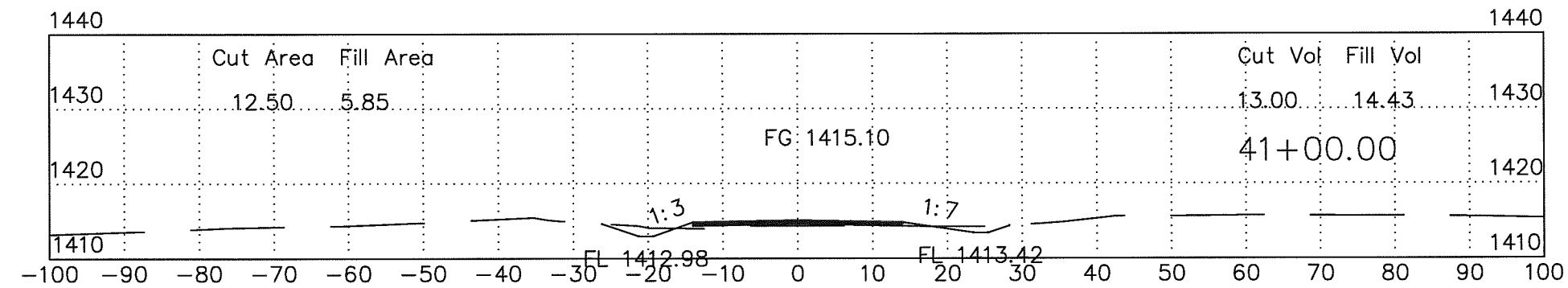
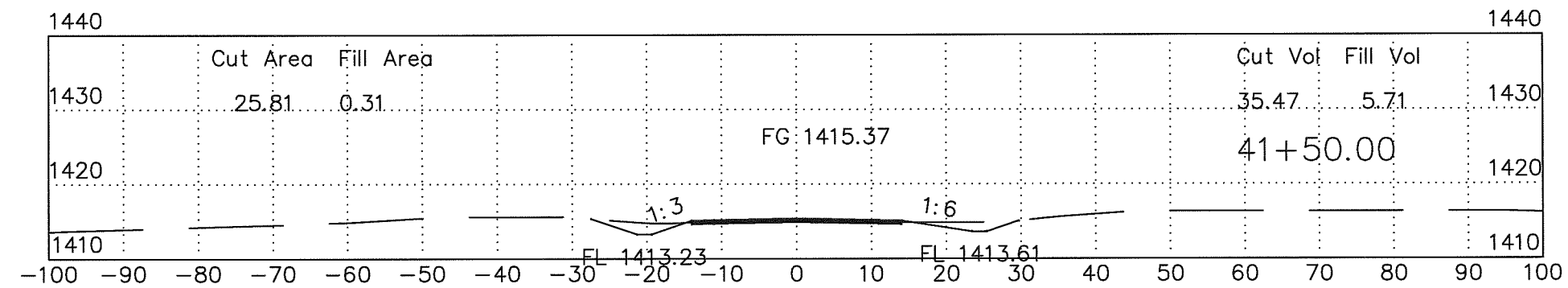
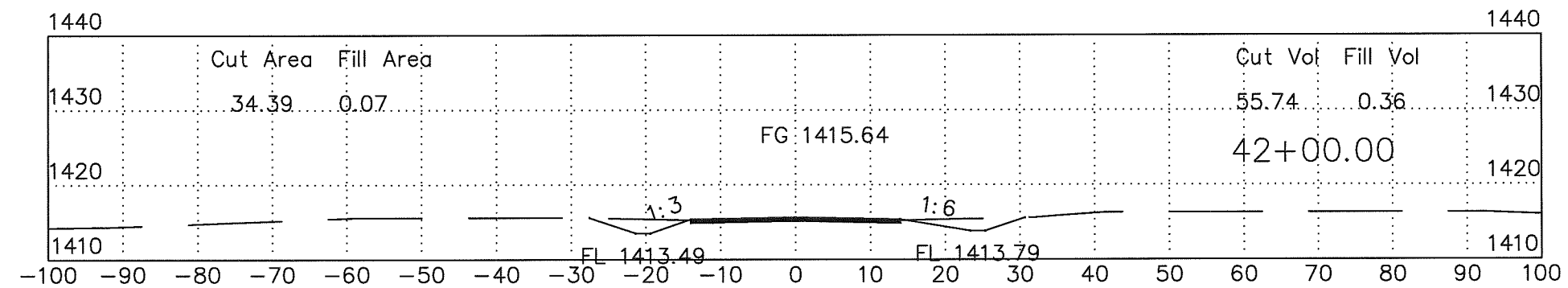
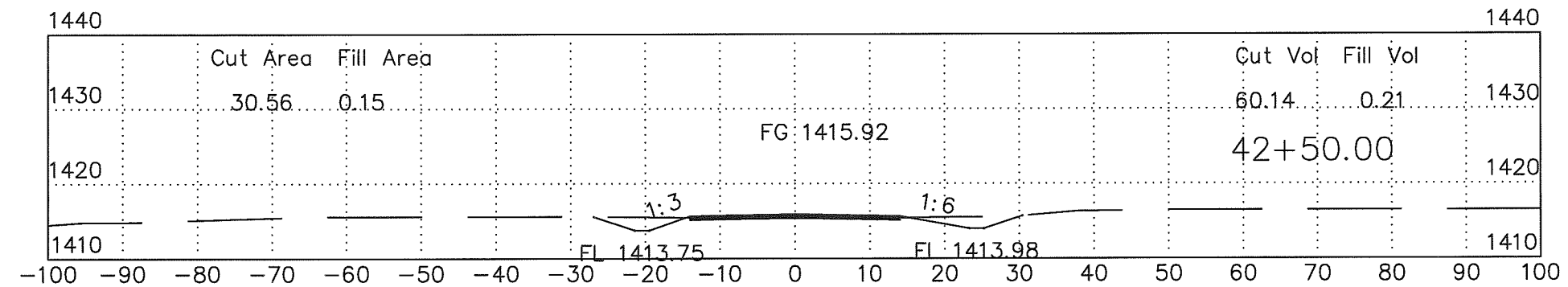


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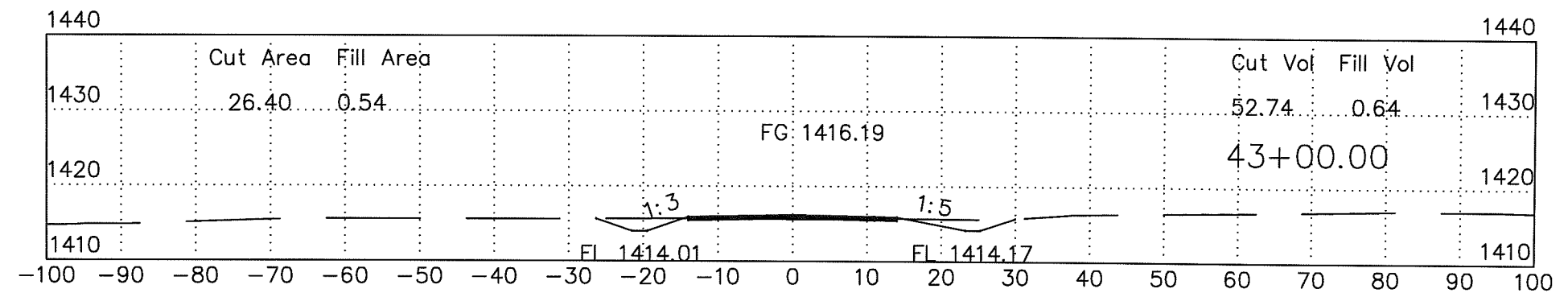
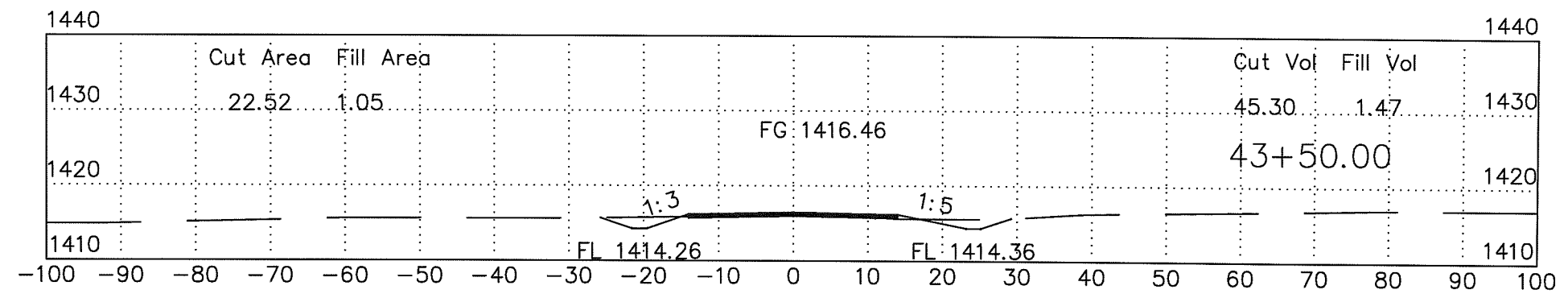
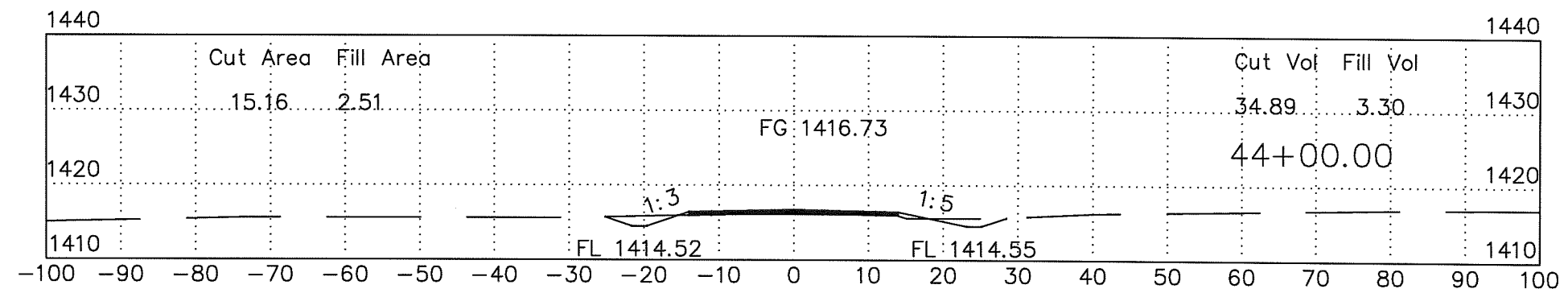
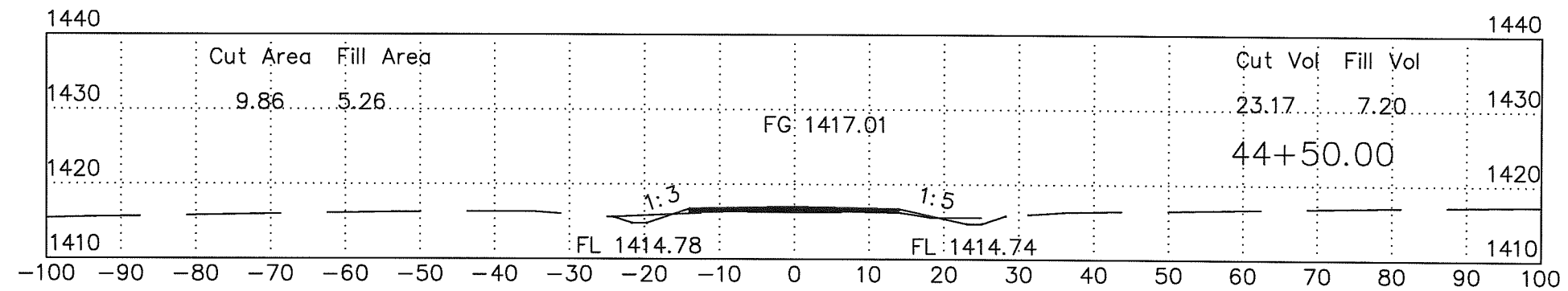
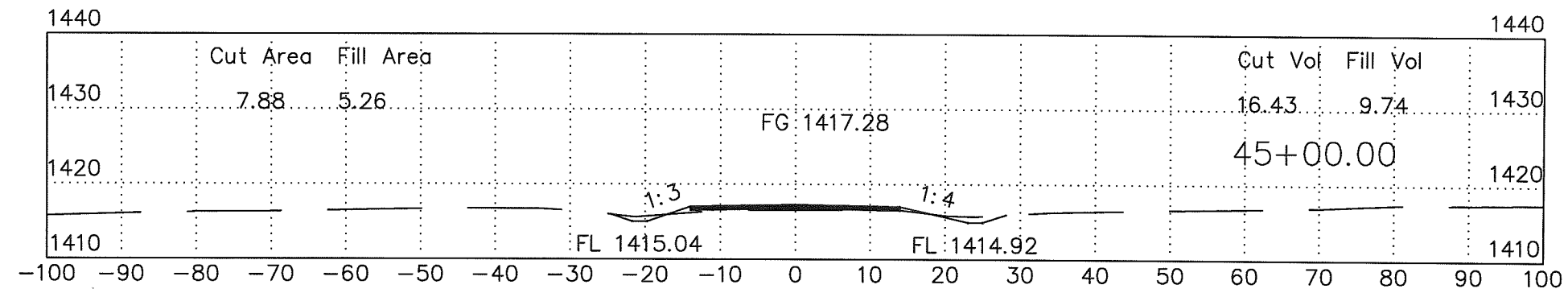




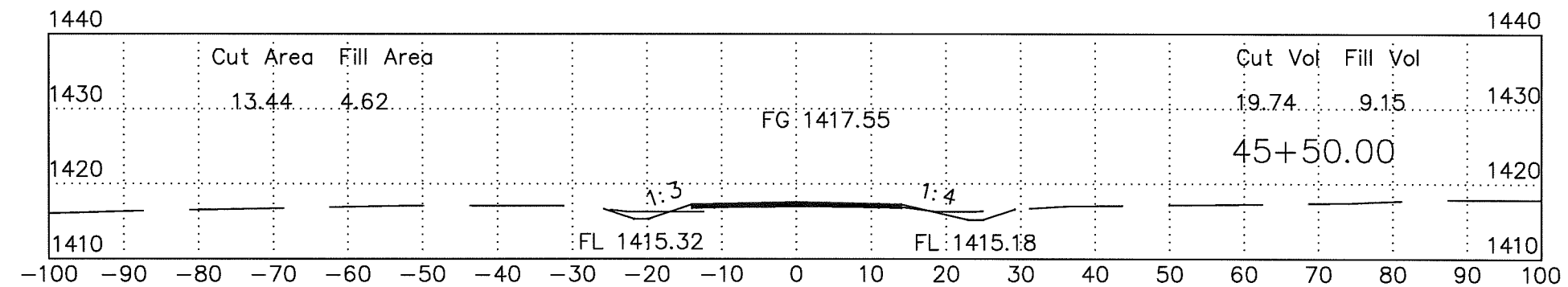
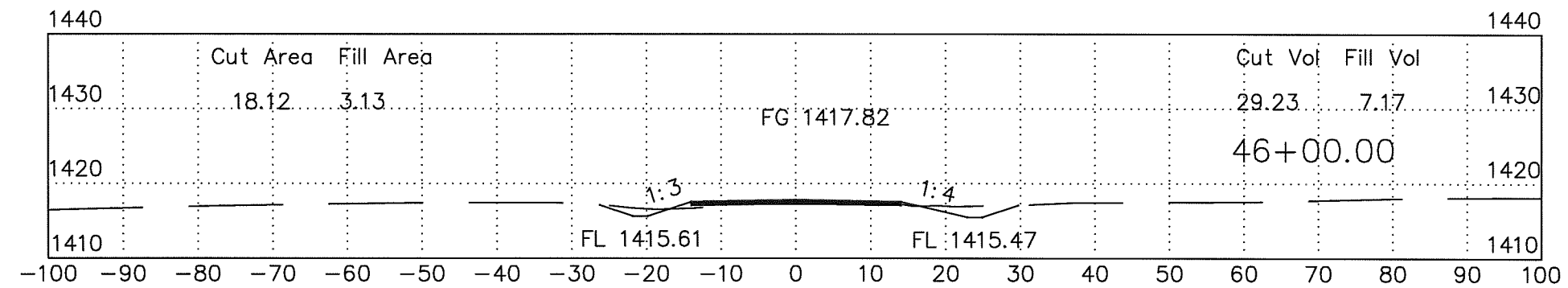
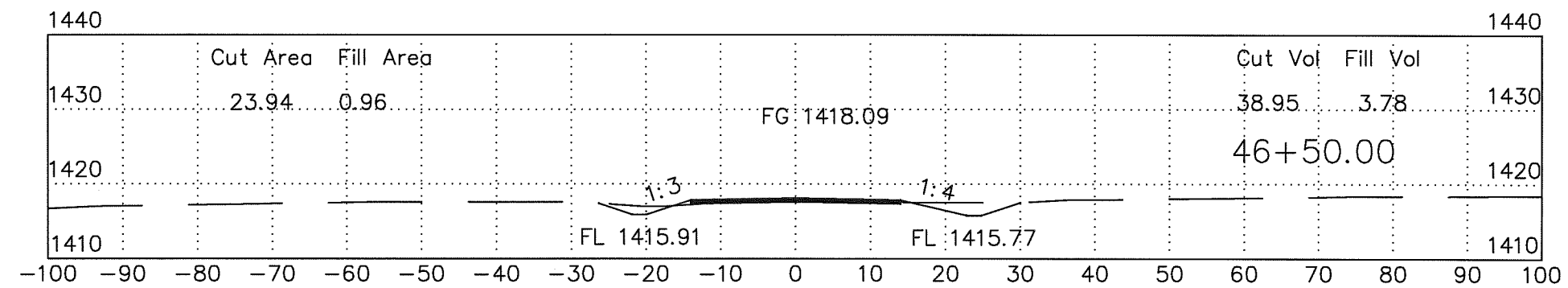
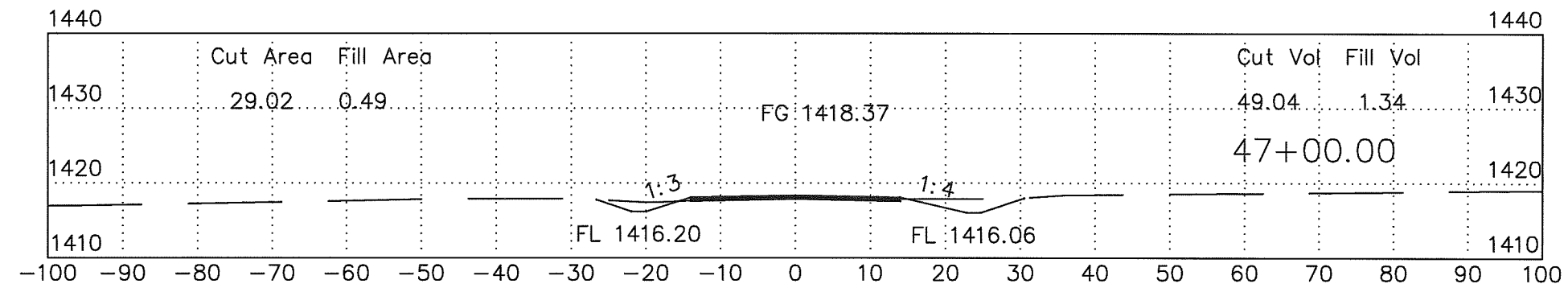
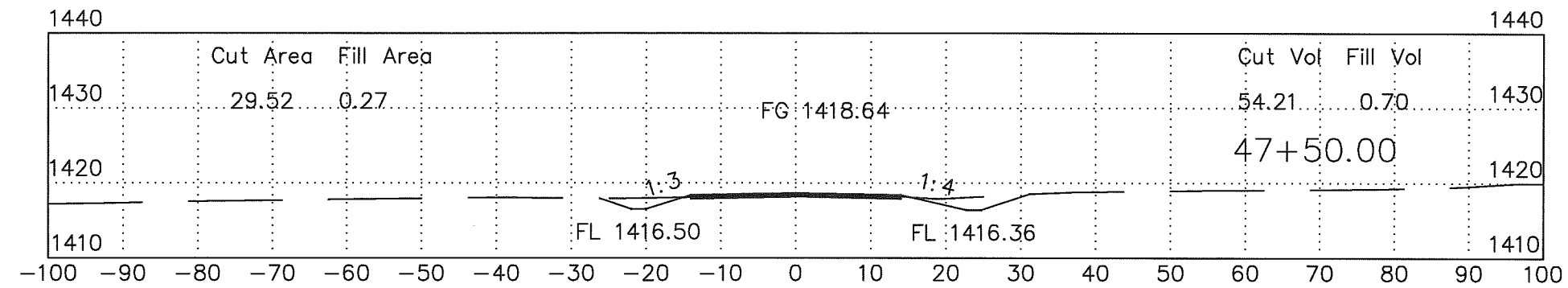
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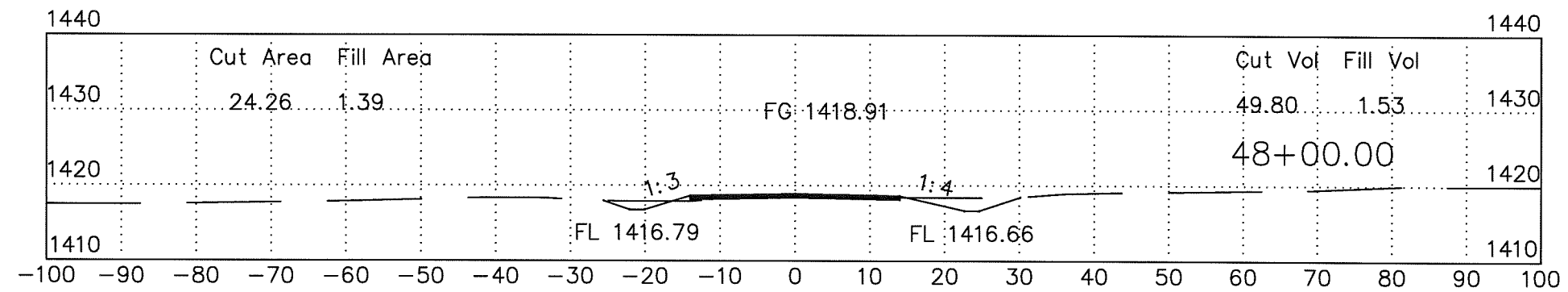
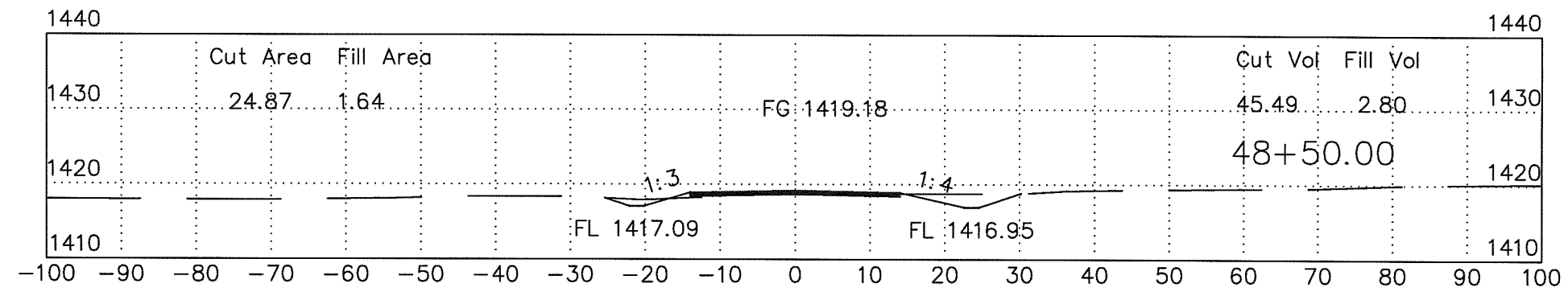
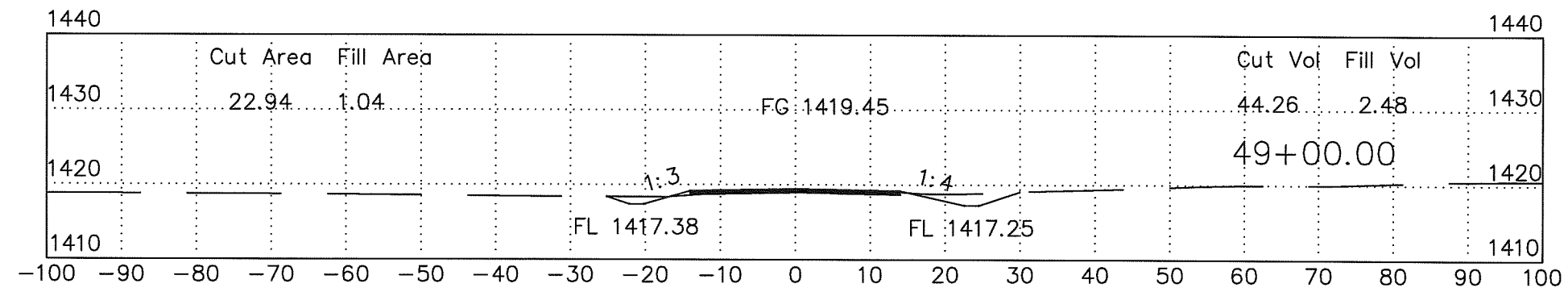
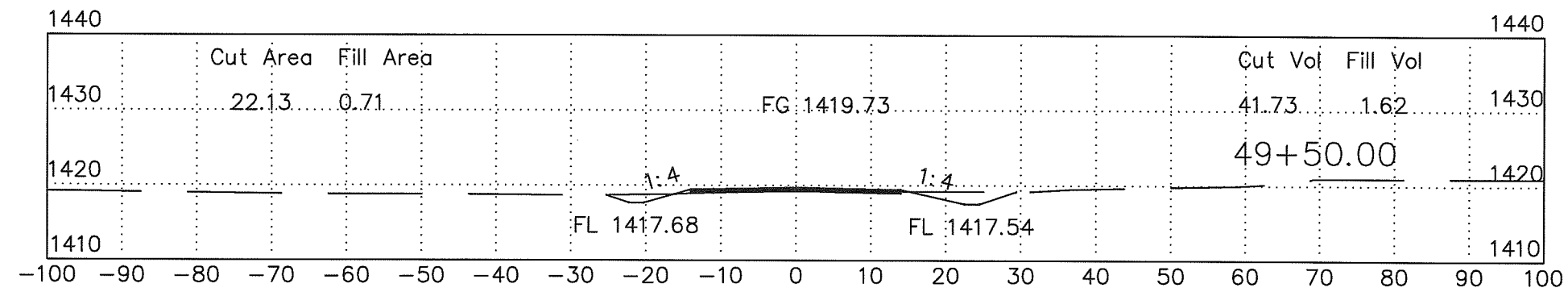
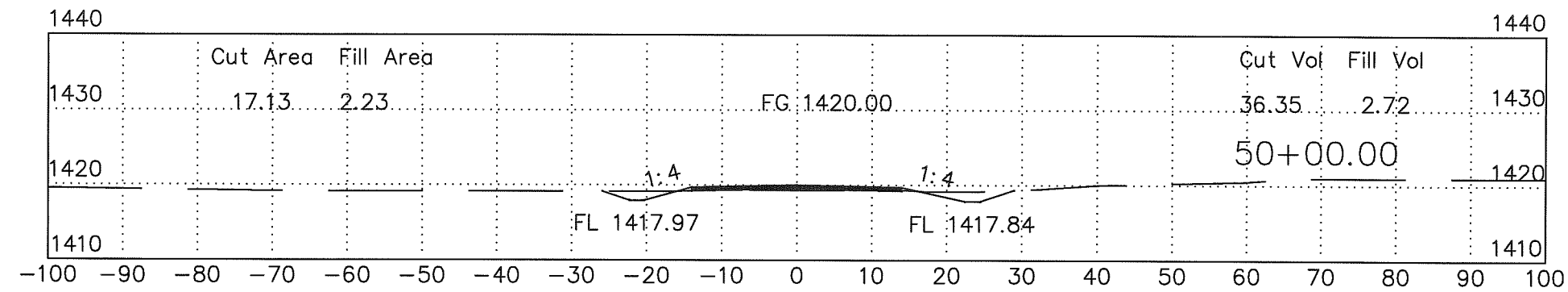
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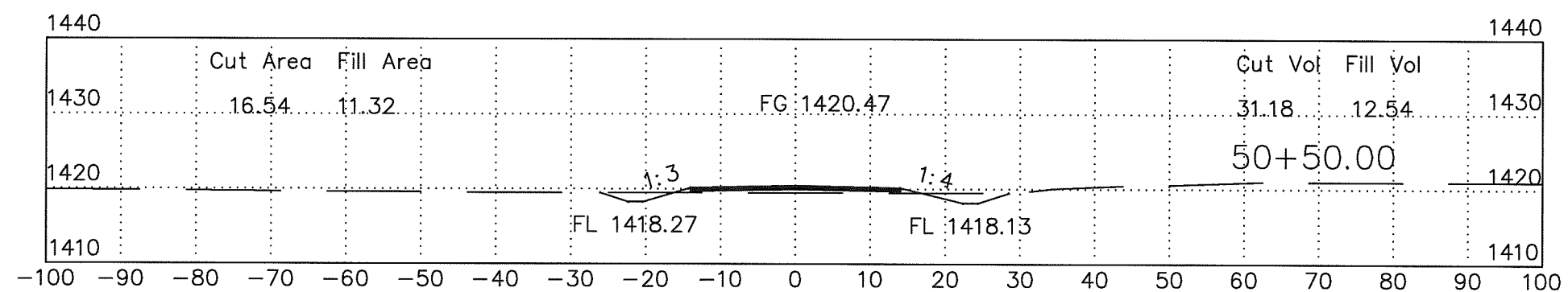
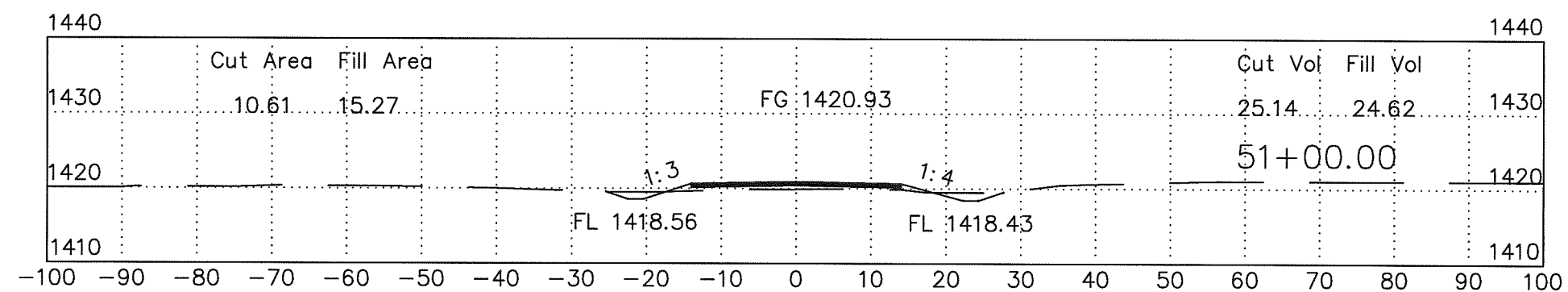
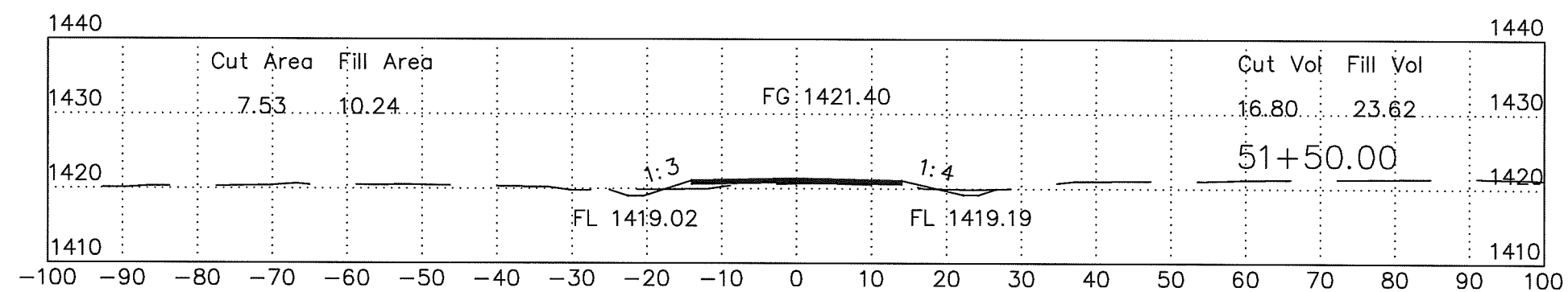
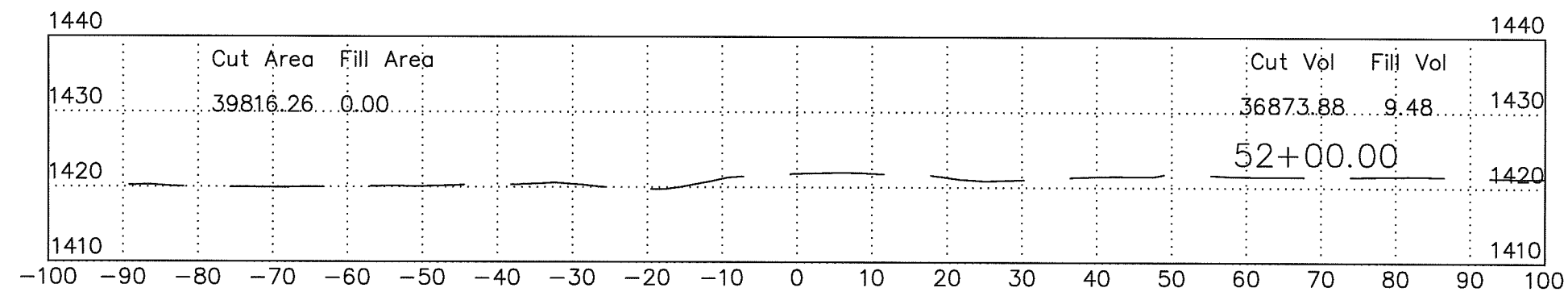
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