



**SEMINOLE COUNTY PURCHASING
SEMINOLE COUNTY OFFICE BUILDING
WEWOKA, OKLAHOMA**

INVITATION TO BID

Please review the terms & conditions and bid regulations on pages 2, 3 & 4 relating to submission of this bid.

Please mark your bid envelope clearly,
"SEALED BID #SCD3-2526-CONCRETE BOX DRAINAGE CULVERTS

**BID NUMBER: SCD3-2526-REINFORCED
CONCRETE BOX DRAINAGE CULVERTS**

ISSUE DATE: December 15, 2025

**BID OPENING DATE & HOUR
January 26, 2026 @ 9:00 A.M.**

**Pre-Bid Meeting
January 15, 2026**

RETURN BIDS TO:

Angie White Arthur, Purchasing Agent
SEMINOLE COUNTY PURCHASING
PO BOX 1180
Wewoka, OK 74884
Phone Number: 405-257-5142

DESCRIPTION:

(SEE SPECIFICATIONS on Page 6)

Bidder's FEI/SSN: _____

Company: _____

Address: _____

Contact Name: _____

Phone Number: _____

Fax Number: _____

Email Address: _____

\$ _____

THIS AFFIDAVIT MUST BE EXECUTED FOR THE BID TO BE CONSIDERED

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 attached 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 County Official or employee as to quantity, quality or price in the perspective contract or any other terms of said prospective contract; or in any discussion between bidders and any County Official concerning exchange of money or 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 Seminole County (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.

No person, firm or corporation who is convicted of or pleads guilty to a felony involving fraud, bribery, corruption or sales to the State or to any of its political subdivisions may make sale of real or personal property to Seminole County.

Affiant further states that full payment shall be made of all indebtedness incurred by such contractor or his subcontractor who performs work in performance of any contract using labor, and or materials or repairs to and parts for equipment used and consumed in performance of a contract with Seminole County. False execution of this affidavit shall constitute perjury and is punishable as provided by law.

Bidder's Name (Type or Print): _____

Bidder's Signature: _____

Subscribed and sworn before me this _____ day of _____, 20____.

My Commission Expires: _____

NOTARY PUBLIC (CLERK)

SEMINOLE COUNTY GENERAL TERMS AND CONDITIONS

1. **Contract Type:**

This bid is submitted as a legal offer and any bid when accepted constitutes a firm contract. **HOWEVER, COUNTY RESERVES RIGHT TO RE-BID AT ANY TIME.** Firm Prices will be F.O.B destination.

2. **Preparation of Bids:**

- a. Bidders are expected to examine the solicitation, statement of work, instructions, and all amendments. Failure to do so will be at the bidder's risk.
- b. Each bidder shall provide the information required by the solicitation. Bids shall be typewritten or written in ink. Penciled bids, faxed or emailed bids will not be accepted. The person signing the bid shall initial erasures or other changes.
- c. Oklahoma laws require each bidder submitting a bid to a county for goods or services to furnish a notarized sworn "Statement of Non-Collusion" with original signatures. Bids without a notarized signature or seal will be rejected. Affidavit is supplied on front page of Invitation to Bid. **NOTE: NEW REQUIREMENT!! "AFFIDAVIT FOR PAYMENTS AND CONTRACTS" MUST BE SIGNED AND NOTARIZED AND INCLUDED WITH YOUR BID.**
- d. Unit prices will be guaranteed correct by the bidder.
- e. Recipients of this solicitation not responding with a bid shall write **"NO BID"** on the front of the envelope being mailed.
- f. **PLEASE PUT ADDITIONAL BIDS IN SEPARATE SEALED ENVELOPES.**
- g. **Bids will be firm until**

3. **FOB Destination and Shipping Instructions:**

Unless otherwise specified, all goods are to be shipped pre-paid, F.O.B. Destination. F.O.B. Destination shall mean delivered to the receiving dock or other point specified in the purchase order. The county assumes no responsibility for goods until accepted at the receiving point in good condition. Title and risk of loss or damage to all items shall be the responsibility of the contract supplier until accepted by the ordering agency. The successful supplier shall be responsible for filing, processing and collecting all damage claims.

4. **Delivery:**

For any exception to the delivery date as specified on this order, vendor shall give prior notification and obtain written approval thereto from the Purchasing Agent or appropriate buyer with respect to delivery under this contract. Time is of the essence and the order is subject to termination for failure to deliver as specified.

5. **Amendments to Invitation to Bid:**

- a. If this solicitation is amended, then all terms and conditions, which are not modified, remain unchanged.
- b. Bidders shall acknowledge receipt of any amendment to this solicitation by signing and returning the amendment form. The Seminole County Purchasing Department must receive the acknowledgement by the opening time and date specified for receipt of bids.

6. **Rejection:**

All goods or materials purchased herein are subject to approval by the end user. Any rejection of goods or materials resulting because of nonconformity to the terms and specifications of this order, whether held by the end user or returned, will be at the Vendor's risk and expense.

7. **Bid Compliance:**

The County reserves the right to reject any bid that does not comply with the requirements and specifications of the solicitation. A bid shall be rejected when the bidder imposes terms or conditions that would modify requirements of the solicitation or limit the bidder's liability to the County.

8. **Evaluation and Award:**

- a. The County shall evaluate bids in response to this solicitation and will award a contract based on lowest and best criteria in accordance with Oklahoma Statutes.
- b. Acquisition based on lowest and best criteria which includes, but not limited to, the operational cost the County, quality and/or technical competency, delivery and /or implementation schedule, maximum facilitation, data exchange and/or integration, warranties, guarantees, return policy, vendor stability, best solution to proposed planning documents and/or strategic program, vendor experience, vendor prior performance, vendor expertise with similar scope, extent and quality of proposed participation and acceptance of all user groups, proven methodology and tools, innovative use of current technologies and quality results by vendor.
- c. The County may (1) reject any or all bids, (2) accept other than the lowest bid, and (3) waive informalities or minor irregularities in bids received.
- d. The County reserves the right to accept by item, group of items or by the total bid.
- e. The County may award multiple contracts for the same or similar to two or more sources under this solicitation.

SEMINOLE COUNTY
GENERAL TERMS AND CONDITIONS CONTINUED

9. Notice of Award/Rejection Letter:

A letter and bid summary will be furnished to each bidder after bid is approved/awarded by the Board of County Commissioners. The awarded vendor must contact the Department listed for order information. No order may be placed without a purchase order being issued by Seminole County.

PURCHASING AND BID REGULATIONS:

BID PROCEDURES

A Bid selection. If no bids are received and a new bid is not issued, the County Purchasing Agent may solicit telephone quotes from three or more vendors selected at random and select the lowest and best bid.

B Formal requirements on bid form.

1. Submitted bids shall be in strict conformity with the instructions to bidders and shall be submitted on the approved form. All bids, quotations, and contracts shall be typewritten or written in ink. Any corrections to this instrument shall be initialed in ink.
2. This form must be made out in the name of the bidder and must be properly executed by an authorized person, in ink, and notarized with full knowledge and acceptance of all its provisions.
3. Bids and any bid amendments thereto shall be submitted in a single envelope, package, or container and shall be sealed. The name and address of the bidder shall be inserted in the upper left corner of the single envelope, package or container. **BIDDER NAME, BID NUMBER AND BID CLOSING DATE MUST APPEAR ON THE FACE OF THE SINGLE ENVELOPE, PACKAGE, OR CONTAINER.**

C Bid Contents – Terms and Conditions

1. **Entire Agreement.** The General Terms & Conditions of this solicitation, together with the specifications and any other documents made a part of the bid package, shall constitute the entire agreement between the parties. The selected bidder will be required to enter into a contract approved by the Seminole County District Attorney's office within 30-days. Failure to do so will result in the bid award being retracted and the award going to the next selected bidder or rebid.
2. **Amendments.** An amendment will be issued for any changes or waivers of specifications, terms, or conditions of a bid. This amendment must be issued by the County Purchasing Department.
3. **Offer Firm for Thirty Days.** Bid prices will be firm until approved by the Board of County Commissioners or for 30 calendar days from the bid opening date.
4. **Unit and Total Prices.** Prices per unit should be clearly shown and extended. Bidder guarantees the unit price to be correct.
5. **Items to be New.** Unless otherwise stated with the solicitation, goods, materials or equipment offered are to be new and of current design.
6. **Shipping Instruction.** Firm price should be F.O.B. destination unless otherwise specified. The bidder shall prepay all packaging, handling, shipping & delivery charges.
7. **Inspection and Rejections.** All goods and materials shall be subject to inspection by the receiving officer. Any goods not in complete conformance with the contract specifications, defective in material or workmanship, or found to contain latent defects, may be rejected. Such goods are to be removed and replaced by and at the cost of the vendor promptly after notification. The costs of inspection and risk of loss shall be borne by the vendor.
8. **Exemption from Taxes.** Purchases made by the County are exempt from State Sales Taxes (68 Okla. Stat. 71&23532) and from Federal Excise Taxes (Chapter #32 of the Internal Revenue Code). These taxes should not be included in price quotation.

D Submission Procedures

1. **Sealed Envelope.** Bids must be submitted in a sealed envelope with the name and address of the vendor, the bid number and date and time of closing clearly marked on the outside of the envelope. See illustration.

Vendor name Vendor address	Seminole County Purchasing Attn: Angie White Arthur PO BOX 1180 Wewoka, OK 74884
Bid # _____	

PURCHASING AND BID REGULATIONS CONTINUED:

2. **Where to Submit.** File the bid proposal with Seminole County Purchasing, either by mail or in person. Bids received after this time will be rejected and returned unopened. All bids will be opened at 9:00 a.m., Monday, January 26, 2026, during the County Commissioners' meeting held at Seminole County Courthouse in the Commissioners Conference Room.
3. **Change or Withdrawal of Bid.** A bid may not be changed or withdrawn after it has been received unless changes are to be made by submission of a substitute bid or a letter may be submitted to the Purchasing Agent withdrawing a bid before the bid due date which will be returned to the vendor.
4. **Late Bids.** The time/date stamp in the Seminole County Clerk Office shall be the official time of receipt. Bids received after the due date & time listed on the solicitation will be rejected. Late bids shall not be accepted. Late bids will be returned to the vendor unopened.
5. **Bid Questions**
If you have any questions regarding the bid specifications, contact Keith Jennings, at (405)257-3562.
If you have any questions regarding the bid deadlines, etc., contact Angie White Arthur, Purchasing Agent at (405) 257-5142.
6. **Payments.** For prompt payment of all invoices, please submit original invoice with reference to the Seminole County purchase order number, to the ordering agency. Upon receipt of properly executed invoice and receiving report from the ordering agency, payment will be processed. If the invoice totals \$25,000.00 or more, the attached "AFFIDAVIT FOR CONTRACTS AND PAYMENTS" must be filled out, notarized and included with this sealed Invitation to Bid.

E Grounds for Rejection

Any bid which does not meet the requirements or specifications of the solicitation or is unsuitable for the intended use, or does not comply with these rules and regulations may be rejected. The County Commissioners reserve the right to reject any or all bids when such is deemed in the best interest of the County.

F. Open Records

All bids received are subject to the Oklahoma Open Records Act, and as such, may be acquired and distributed by the County as requested.

TERMINATION

Subject to the provisions below, the contract award derived from this Invitation to Bid may be terminated by either party upon thirty (30) days advance written notice to the other party: but if any work or service hereunder is in progress, but not completed as of the date of termination, then this contract may be extended upon written approval of the County until said work or services are completed and accepted.

1. Termination of Convenience

This contract award shall be considered to be in force until the expiration date or until 30 days after notice has been given by either party of its desire to terminate the contract.

2. Termination for Default

Termination by the County for cause, default, or negligence on the part of the Bidder shall be excluded from the foregoing provision; termination costs, if any, shall not apply. The thirty (30) days advance notice requirement is waived in the event of Termination for Cause.

3. Immediate Termination

Immediate termination shall be administered when violations are found to be an impediment to the function of the County and detrimental to its cause, or when conditions preclude the 30-day notice.

AFFIDAVIT FOR CONTRACTS AND PAYMENTS

Seminole County Oklahoma

STATE OF OKLAHOMA]
] ss
COUNTY OF SEMINOLE]

The undersigned (architect, contractor, supplier or engineer), of lawful age, being the first duly sworn, on oath says that this contract is true and correct. Affiant further states that the (work, services or materials) will be (completed or supplied) in accordance with the plans, specifications, orders or requests furnished the affiant. Affiant further states that (s)he has made no payment directly or indirectly to any elected official, officer or employee of the State of Oklahoma, any County or local subdivision of the state, of money or other thing of value to obtain or procure the contract or purchase order.

(Contractor, architect, supplier or engineer)

Attested to before me this _____ day of _____, 20_____.

(Notary Public (or Clerk or Judge)

Note: Any county, municipality or school district executing a contract with any architect, contractor, supplier or engineer for construction work, services or materials which are needed on a continual basis from such architect, contractor, supplier or engineer, may require that the architect, contractor, supplier or engineer complete a signed affidavit as provided for in Title 62 Sect. 310.9.A which shall apply to all work, services or materials completed or supplied under the terms of the contract or contracts.

Internal Use Only:

Business or Individual name:

Address:

Contact:

Telephone Number:

Affidavit good thru: _____

SPECIFICATIONS FOR SEMINOLE COUNTY BID
#SCD3-2526-REINFORCED CONCRETE BOX DRAINAGE CULVERT
CONSTRUCTION

The specifications provided for this bid are guidelines intended to insure adequate and quality products for the County. The Board of County Commissioners may accept any variation from these specifications if the changes are found to be in the best interest of the County. The intent of the Board of County Commissioners is to provide the best product or service available for the lowest price.

SCOPE OF WORK

Project shall consist of construction of three (3) 16' x 6' x 30' RCBs, one (1) 14' x 5' x 30' RCB and one (1) 10' x 4' x 30' RCB. Work shall consist of removal of existing structures, earthwork and bearing pad construction, construction of box culverts consisting of the barrel, headwalls and curtain walls. Traffic control signage, wing wall construction, backfilling and surfacing shall be the responsibility of the County.

SPECIFICATIONS

All work shall be performed using 2019 Oklahoma Standard Specifications for Highway Construction, excluding section 100. State Statutes and County Ordinances shall govern the administration of the contract.

BASIS OF PAYMENT

County shall make two (2) payments for each structure completed. The first payment will be made at 15% of each structure bid amount, once the existing structure is removed and sight work and bearing pad construction are completed. The second payment will be made once sight cleanup is completed and the County accepts the RCB construction.

RCB Structure A - 16' x 6' x 30' RCB: Vendor's Proposed Bid: \$ _____

RCB Structure B - 16' x 6' x 30' RCB: Vendor's Proposed Bid: \$ _____

RCB Structure C - 16' x 6' x 30' RCB: Vendor's Proposed Bid: \$ _____

RCB Structure D - 14' x 5' x 30' RCB: Vendor's Proposed Bid: \$ _____

RCB Structure E - 10' x 4' x 30' RCB: Vendor's Proposed Bid: \$ _____

VENDOR'S TOTAL PROPOSED BID: \$ _____

The Board of County Commissioners reserves the right to reject any or all bids, to waive informality in bids, to accept in whole or in part such bid or bids as may be deemed in the best interest of the County.

VENDOR'S STATEMENT:

Exceptions:

Fill in the following contact person information:

Name: _____

Title: _____

Address: _____

Telephone: _____

Fax: _____

NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN that the Board of County Commissioners of Seminole County will be receiving sealed bids from all interested bidders beginning December 15, 2025 for the Construction of the following:

Three (3) 16' x 6' Reinforced Concrete Box Drainage Culverts

One (1) 14' x 5' Reinforced Concrete Box Drainage Culvert

One (1) 10' x 4' Reinforced Concrete Box Drainage Culvert

Various Locations within District 3

All work shall be performed using 2019 Oklahoma Standard Specifications for Highway Construction, excluding section 100. State Statutes and County Ordinances shall govern the administration of the contract.

Mandatory Pre-Bid Meeting on January 15, 2026 at 9:00 A.M. This meeting will be held at County Commissioner's Office at 110 S. Wewoka Ave, Wewoka, OK 74884. Contractor shall be in attendance in order to bid on project.

All proposals must be filed on forms furnished by the County Clerk's Office, sealed and plainly marked. The Seminole County Board of Commissioners reserves the Right to waive technicalities, to reject any or all bids, and to award the contract to the bidder determined to serve the best interest of Seminole County.

Bidders must familiarize themselves with the conditions and must bid with the understanding that full cooperation in carrying out the requirements of the specifications will be expected.

Bid forms, Plan sets and specifications with the non-collusion affidavit are available at the County Clerk's Office at 110 S. Wewoka Ave, Wewoka, OK 74884.

Bids shall be in writing, notarized, sealed and delivered to the County Purchasing Agent at the Seminole County Clerk's Office located at 110 S. Wewoka Ave, Wewoka, OK 74884 or mailed to PO Box 1180, Wewoka, OK 74884.

Sealed bids will be received until **9:00 A.M. January 26, 2026** to be publicly opened in a meeting of the Board of County Commissioners at that time.

Angie White Arthur, Purchasing Agent

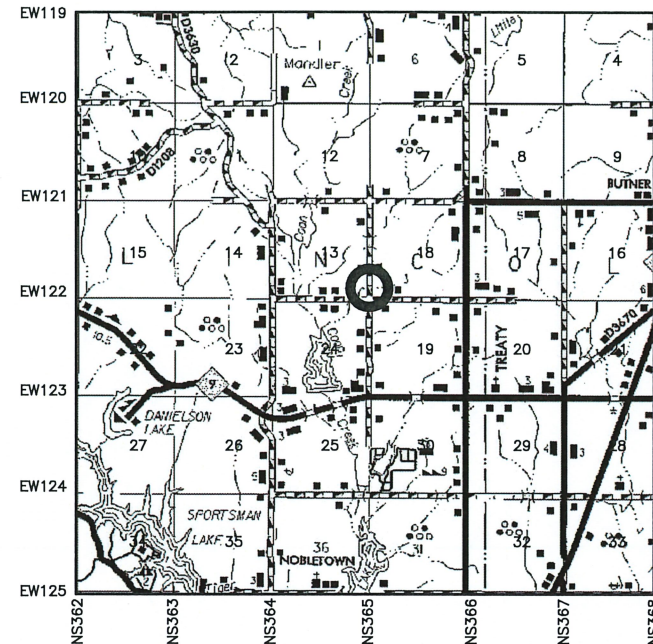
STATE OF OKLAHOMA
SEMINOLE COUNTY DISTRICT NO.3

PLAN OF PROPOSED

COUNTY ROADWAY RCB DRAINAGE STRUCTURES

INDEX OF SHEETS

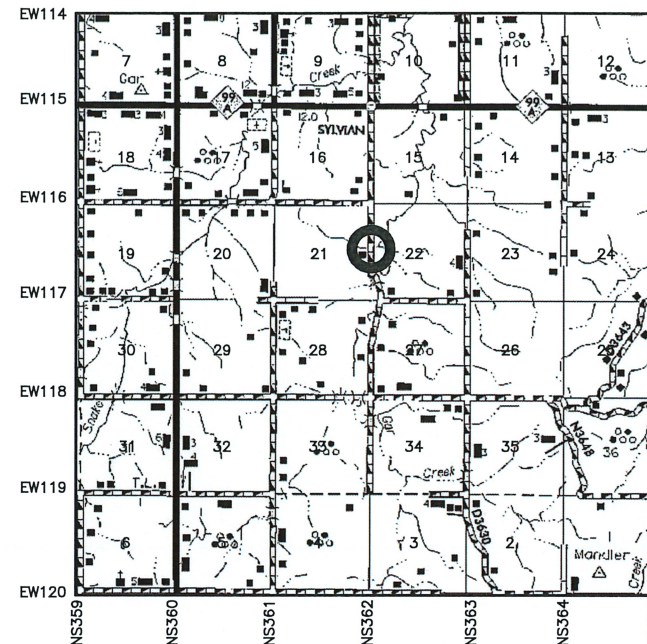
1	TITLE
2	CONSTRUCTION NOTES AND PAY ITEMS
3	SUMMARY OF QUANTITIES - RCB BARREL
4	HEADWALL DETAILS
5	CURTAIN WALL DETAILS
6	BEARING PAD AND MISC. DETAILS
RCB-C1-16(2-10)-01E	ODOT STANDARD SHEET STRUCTURES A, B, & C
RCB-C1-14(2-10)-01E	ODOT STANDARD SHEET STRUCTURES D
RCB-C1-10(2-14)-01E	ODOT STANDARD SHEET STRUCTURES E



RCB STRUCTURE A

LOCATION NO. 67N3650E1220008

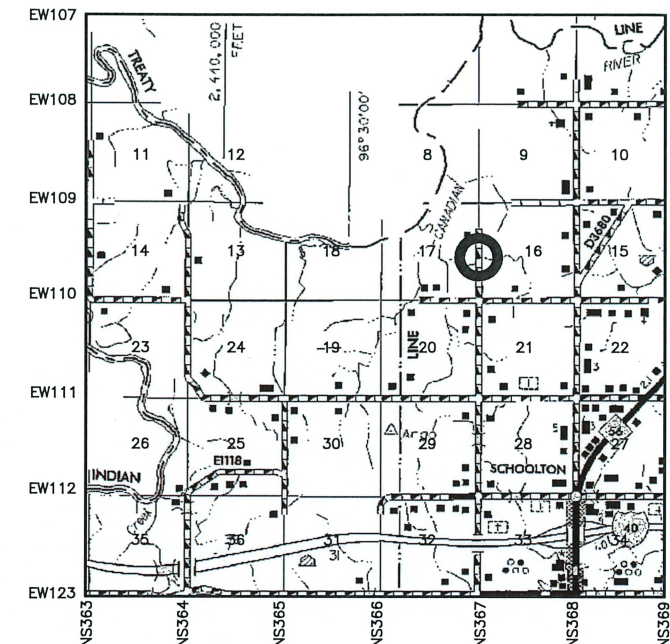
LATITUDE 35°14'52" N, LONGITUDE 96°30'43" W



RCB STRUCTURE B

LOCATION NO. 67N3620E1160004

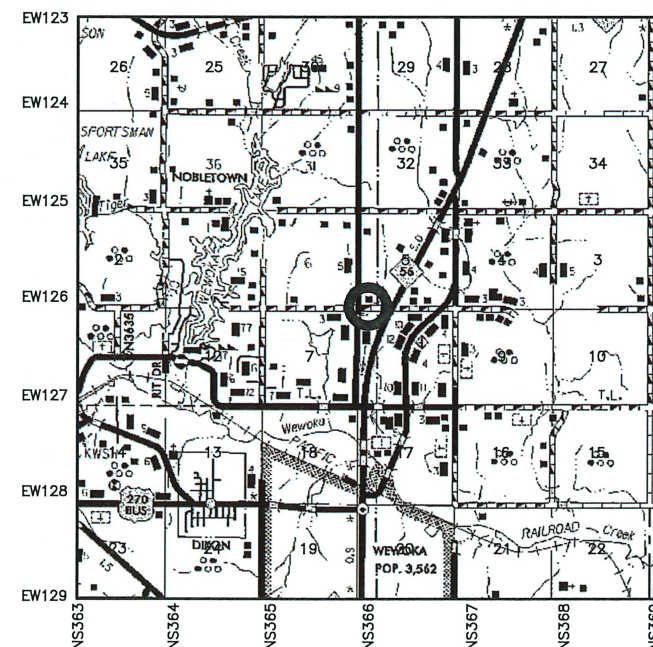
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RCB STRUCTURE C

LOCATION NO. 67N3670E1090006

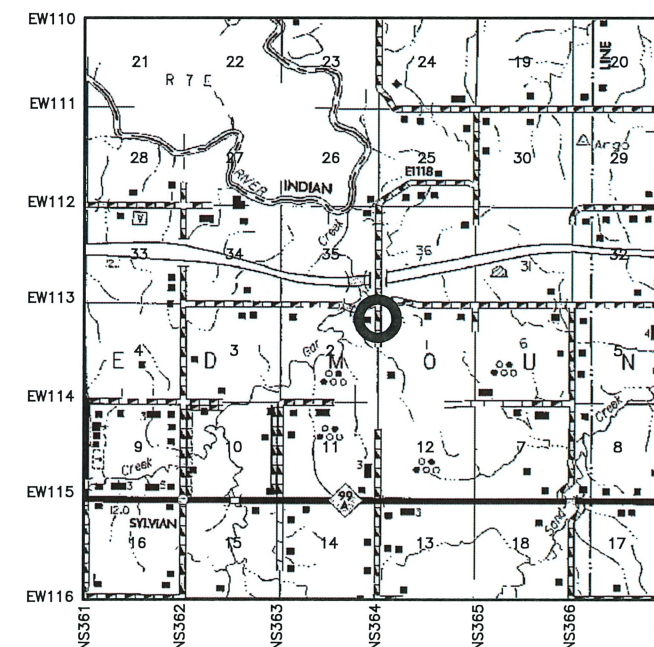
LATITUDE 35°25'35" N, LONGITUDE 96°28'36" W



RCB STRUCTURE D

LOCATION NO. 67E1260N3660002

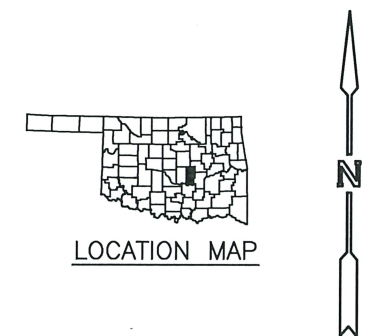
LATITUDE 35°11'19" N, LONGITUDE 96°29'31" W



RCB STRUCTURE E

LOCATION NO. 67N3640E1130002

LATITUDE 35°22'37" N, LONGITUDE 96°31'47" W



Seminole County
OKLAHOMA

PAY QUANTITY NOTES

- (1)

PRICE BID SHALL INCLUDE ALL ALL MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO CONSTRUCT RCB STRUCTURES AS SHOWN IN THE PLANS.

PRICE BID SHALL INCLUDE COST TO EXCAVATE AND CONSTRUCT A BEARING PAD FOR THE BOTTOM SLAB. WORKING FOUNDATION SHALL BE COMPRISED OF 1-INCH COMPACTED ROCK, 8 INCHES IN DEPTH AND SHALL MATCH THE FOOTPRINT AREA OF THE RCB. SEE BEARING PAD DETAIL SHEET NO. 6 FOR ADDITIONAL INFORMATION.
- (2)

PRICE BID SHALL INCLUDE THE REMOVAL OF THE EXISTING STRUCTURE AND ANY OTHER OBSTRUCTIONS THAT THE CONTRACTOR MAY ENCOUNTER DURING THE CONSTRUCTION OF THE RCB. ANY EXISTING STRUCTURE REMOVED SHALL BE LEFT ON COUNTY RIGHT-OF-WAY TO BE HAULED OFF BY COUNTY. ALL OTHER MATERIALS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- (3)

USE ODOT STANDARD RCB-C1-16(2-10)-01E SECTIONAL DIMENSIONS 16'X6' FOR BARREL CONSTRUCTION.
- (4)

USE ODOT STANDARD RCB-C1-14(2-10)-01E SECTIONAL DIMENSIONS 14'X5' FOR BARREL CONSTRUCTION.
- (5)

USE ODOT STANDARD RCB-C1-10(2-10)-01E SECTIONAL DIMENSIONS 10'X4' FOR BARREL CONSTRUCTION.

GENERAL CONSTRUCTION NOTES

2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EXCLUDING SECTION 100 SHALL GOVERN CONSTRUCTION. STATE STATUES AND COUNTY ORDINANCES SHALL GOVERN THE ADMINISTRATION OF THE CONTRACT.

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

THE COUNTY RESPONSIBILITIES SHALL INCLUDE:
ACQUIRING RIGHT-OF-WAY
RELOCATION OF UTILITY LINES AS NECESSARY
RELOCATION OF FENCES AS NECESSARY
INSTALLATION OF ROAD CLOSURE AND DETOUR SIGNAGE
WING WALL CONSTRUCTION
BACKFILLING AND SURFACING OPERATIONS

CREEK BANKS AND SHALL BE KEPT IN THEIR NATURAL STATE AS MUCH AS POSSIBLE.

BIDDERS SHALL FULLY INFORM THEMSELVES OF THE NATURE OF THE WORK AND CONDITIONS UNDER WHICH IT WILL BE PERFORMED. THE CONTRACTOR SHALL ADOPT METHODS CONSISTENT WITH GOOD CONSTRUCTION PRACTICE AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO CREEK BANKS AND APPROACH ROADWAYS. ANY DAMAGE TO THE EXISTING ROADWAY AND CREEK BANKS DUE TO CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE COUNTY.

THE FLOWLINE ELEVATION OF THE NEW RCB SHALL BE ESTABLISHED BY MATCHING THE EXISTING CHANNEL FLOWLINE ELEVATION AT THE DOWNSTREAM END. THE RCB SLAB SHALL BE CONSTRUCTED AT A DRAINAGE SLOPE NO LESS THAN 0.25% TO ALLOW FOR POSITIVE DOWNSTREAM DRAINAGE.

ALL CONCRETE SHALL BE ODOT CLASS AA CONCRETE WITH A COMPRESSIVE STRENGTH OF 4,000 PSI.

PAY QUANTITIES

RCB STRUCTURE – 16' x 6' x 30' (28' CLEAR ROADWAY)		
DESCRIPTION	UNIT	QUANTITY
CONSTRUCTION OF 16'x6'x30' RCB (1)(3)	LSUM	1.00
REMOVAL OF STRUCTURES AND OBSTRUCTIONS (2)	LSUM	1.00

PAY QUANTITIES

RCB STRUCTURE B – 16' x 6' x 30' (28' CLEAR ROADWAY)		
DESCRIPTION	UNIT	QUANTITY
CONSTRUCTION OF 16'x6'x30' RCB (1)(3)	LSUM	1.00
REMOVAL OF STRUCTURES AND OBSTRUCTIONS (2)	LSUM	1.00

PAY QUANTITIES

RCB STRUCTURE C – 16' x 6' x 30' (28' CLEAR ROADWAY)		
DESCRIPTION	UNIT	QUANTITY
CONSTRUCTION OF 16'x6'x30' RCB (1)(3)	LSUM	1.00
REMOVAL OF STRUCTURES AND OBSTRUCTIONS (2)	LSUM	1.00

PAY QUANTITIES

RCB STRUCTURE D – 14' x 5' x 30' (28' CLEAR ROADWAY)		
DESCRIPTION	UNIT	QUANTITY
CONSTRUCTION OF 14'x5'x30' RCB (1)(4)	LSUM	1.00
REMOVAL OF STRUCTURES AND OBSTRUCTIONS (2)	LSUM	1.00

PAY QUANTITIES

RCB STRUCTURE E – 10' x 4' x 30' (28' CLEAR ROADWAY)		
DESCRIPTION	UNIT	QUANTITY
CONSTRUCTION OF 10'x4'x30' RCB (1)(5)	LSUM	1.00
REMOVAL OF STRUCTURES AND OBSTRUCTIONS (2)	LSUM	1.00



BAR LIST – 16' X 6' X 30' RCB BARREL					
MARK	NO.	SIZE	FORM	LENGTH	LENGTH VARIATION
A1	120	#8	STR.	18'-0"	–
A2	62	#4	STR.	18'-0"	–
B1	120	#6	BENT	6'-8"	–
B2	120	#6	BENT	10'-7"	–
C1	64	#4	STR.	2'-7"	–
C2	64	#4	STR.	7'-3"	–
E1	80	#4	STR.	28'-8"	–
E2	24	#4	STR.	28'-8"	–

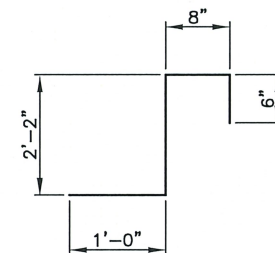
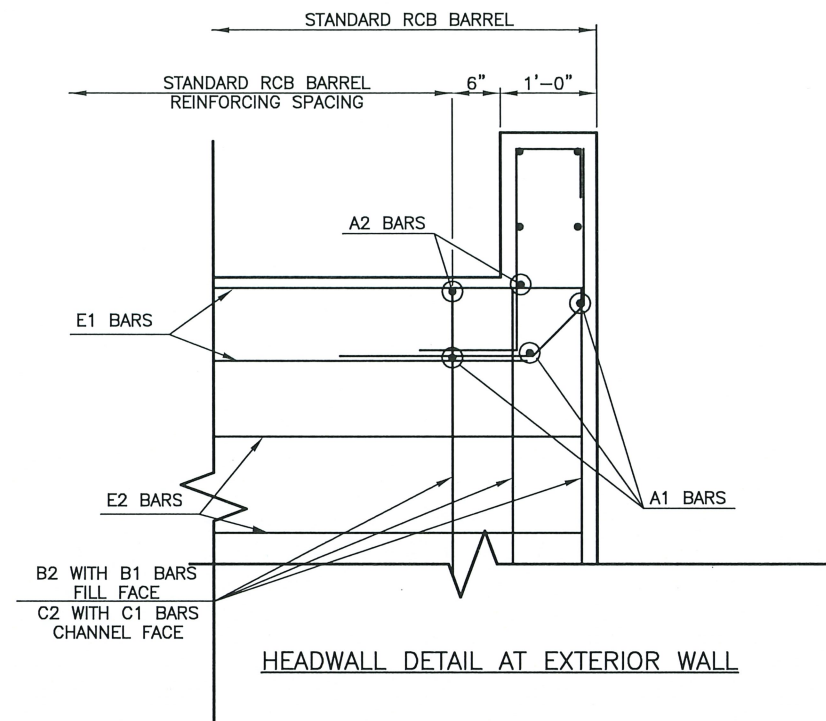
SUMMARY OF QUANTITIES 10' X 6' X 30' BARREL		
ITEM	UNIT	QUANTITY
CLASS AA CONCRETE	CY	75.00
REINFORCING STEEL	LBS	12,040.00

BAR LIST – 14' X 5' X 30' RCB BARREL					
MARK	NO.	SIZE	FORM	LENGTH	LENGTH VARIATION
A1	120	#7	STR.	15'-8"	–
A2	62	#4	STR.	15'-8"	–
B1	120	#6	BENT	6'-0"	–
B2	120	#6	BENT	8'-11"	–
C1	64	#4	STR.	2'-4"	–
C2	64	#4	STR.	6'-0"	–
E1	72	#4	STR.	28'-8"	–
E2	20	#4	STR.	28'-8"	–

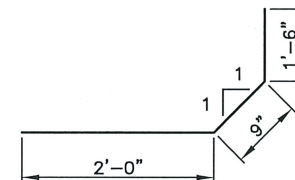
SUMMARY OF QUANTITIES 10' X 6' X 30' BARREL		
ITEM	UNIT	QUANTITY
CLASS AA CONCRETE	CY	54.10
REINFORCING STEEL	LBS	9,300.00

BAR LIST – 10' X 4' X 30' RCB BARREL					
MARK	NO.	SIZE	FORM	LENGTH	LENGTH VARIATION
A1	120	#7	STR.	11'-4"	–
A2	62	#4	STR.	11'-4"	–
B1	120	#5	BENT	4'-7"	–
B2	120	#5	BENT	6'-11"	–
C1	64	#4	STR.	2'-2"	–
C2	64	#4	STR.	4'-10"	–
E1	56	#4	STR.	28'-8"	–
E2	16	#4	STR.	28'-8"	–

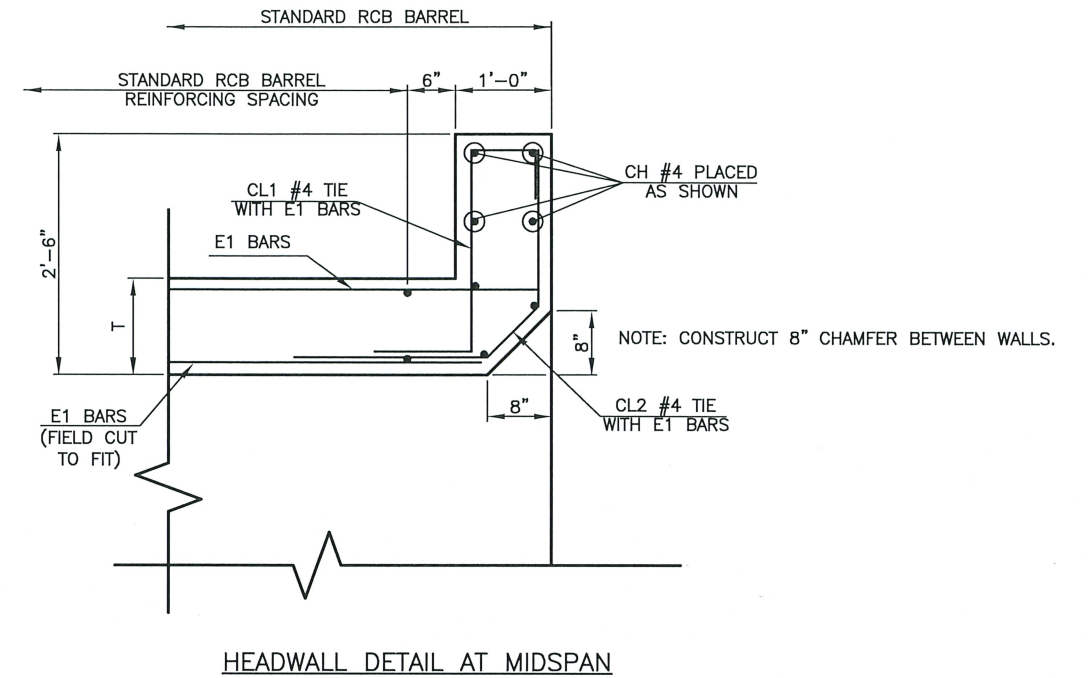
SUMMARY OF QUANTITIES 10' X 6' X 30' BARREL		
ITEM	UNIT	QUANTITY
CLASS AA CONCRETE	CY	34.50
REINFORCING STEEL	LBS	6,370.00



CL1 #4 X 4'-4"



CL2 #4 X 4'-3"



16' X 6' RCB DIMENSIONS BAR LIST - ONE HEADWALL					
MARK	NO.	SIZE	FORM	LENGTH	LENGTH VARIATION
CH	4	#4	STR.	18'-0"	-
CL1	20	#4	BENT	4'-4"	-
CL2	20	#4	BENT	4'-3"	-

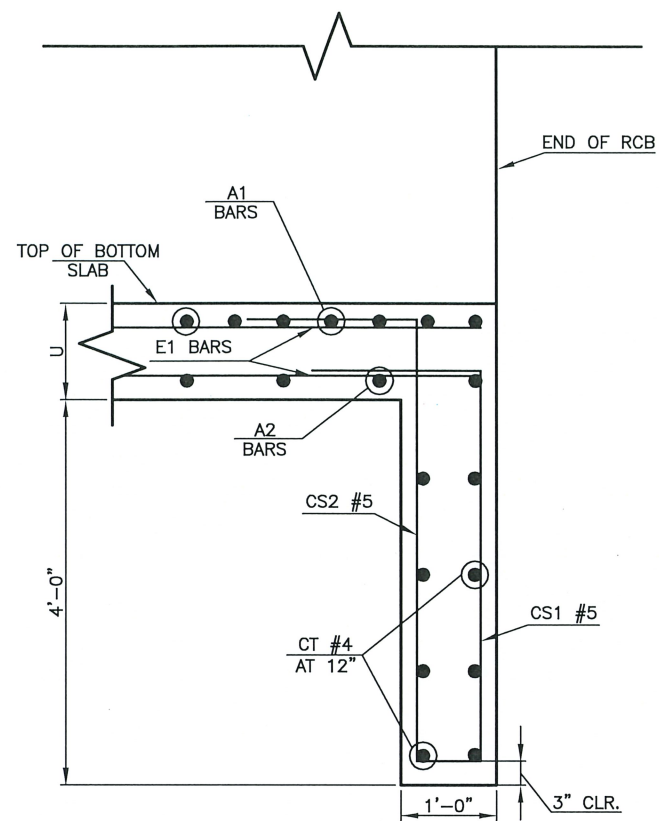
14' X 5' RCB DIMENSIONS BAR LIST - ONE HEADWALL					
MARK	NO.	SIZE	FORM	LENGTH	LENGTH VARIATION
CH	4	#4	STR.	15'-8"	-
CL1	18	#4	BENT	4'-4"	-
CL2	18	#4	BENT	4'-3"	-

10' X 4' RCB DIMENSIONS BAR LIST - ONE HEADWALL					
MARK	NO.	SIZE	FORM	LENGTH	LENGTH VARIATION
CH	4	#4	STR.	11'-4"	-
CL1	14	#4	BENT	4'-4"	-
CL2	14	#4	BENT	4'-3"	-

16' X 6' RCB DIMENSIONS SUMMARY OF QUANTITIES - TWO HEADWALLS		
ITEM	UNIT	QUANTITY
CLASS AA CONCRETE	CY	1.60
REINFORCING STEEL	LBS	340.00

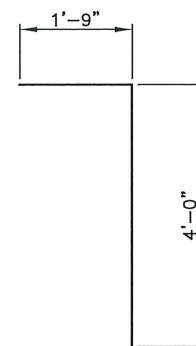
14' X 5' RCB DIMENSIONS SUMMARY OF QUANTITIES - TWO HEADWALLS		
ITEM	UNIT	QUANTITY
CLASS AA CONCRETE	CY	1.80
REINFORCING STEEL	LBS	300.00

10' X 4' RCB DIMENSIONS SUMMARY OF QUANTITIES - TWO HEADWALLS		
ITEM	UNIT	QUANTITY
CLASS AA CONCRETE	CY	1.60
REINFORCING STEEL	LBS	240.00

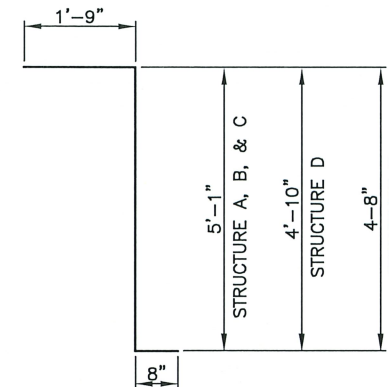


CURTAIN WALL DETAIL AT MID-SPAN

NOTE: CS1 AND CS2 BARS ALIGN WITH E1 BARS.



CS1 #5 X 5'-9"



CS2 #5 X 7'-6" STR. A, B, & C

CS2 #5 X 7'-3" STR. D

CS2 #5 X 7'-1" STR. E

CURTAIN WALL NOTE:
IF ROCK IS ENCOUNTERED BEFORE THE TOTAL DEPTH OF THE CURTAIN WALL HAS BEEN REACHED, THE CURTAIN WALL SHALL THEN BE KEYED A MINIMUM OF 6 INCHES IN THE ROCK.

16' X 6' RCB DIMENSIONS BAR LIST - ONE CURTAIN WALL					
MARK	NO.	SIZE	FORM	LENGTH	LENGTH VARIATION
CT	8	#4	STR.	18'-0"	-
CS1	20	#5	BENT	5'-9"	-
CS2	20	#5	BENT	7'-6"	-

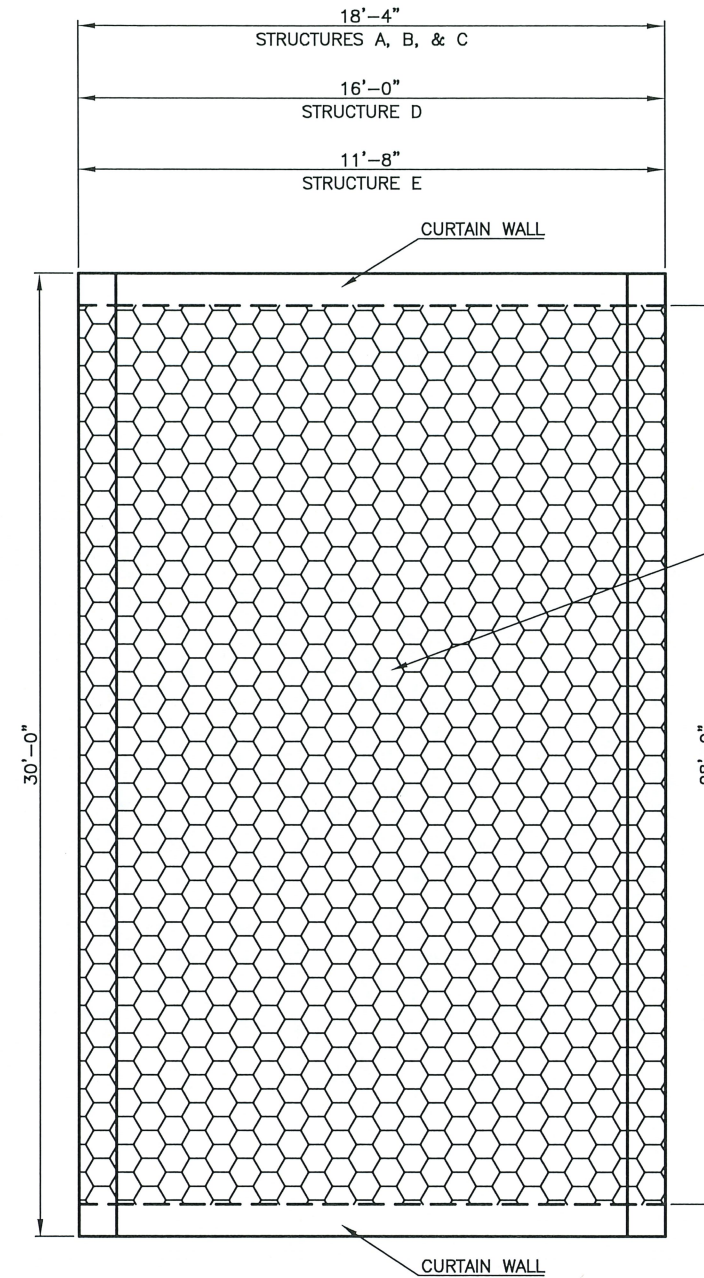
16' X 6' RCB DIMENSIONS SUMMARY OF QUANTITIES - TWO CURT. WALLS		
ITEM	UNIT	QUANTITY
CLASS AA CONCRETE	CY	5.60
REINFORCING STEEL	LBS	760.00

14' X 5' RCB DIMENSIONS BAR LIST - ONE CURTAIN WALL					
MARK	NO.	SIZE	FORM	LENGTH	LENGTH VARIATION
CT	8	#4	STR.	15'-8"	-
CS1	18	#5	BENT	5'-9"	-
CS2	18	#5	BENT	7'-3"	-

14' X 5' RCB DIMENSIONS SUMMARY OF QUANTITIES - TWO CURT. WALLS		
ITEM	UNIT	QUANTITY
CLASS AA CONCRETE	CY	4.80
REINFORCING STEEL	LBS	660.00

10' X 4' RCB DIMENSIONS BAR LIST - ONE CURTAIN WALL					
MARK	NO.	SIZE	FORM	LENGTH	LENGTH VARIATION
CT	8	#4	STR.	11'-4"	-
CS1	14	#5	BENT	5'-9"	-
CS2	14	#5	BENT	7'-1"	-

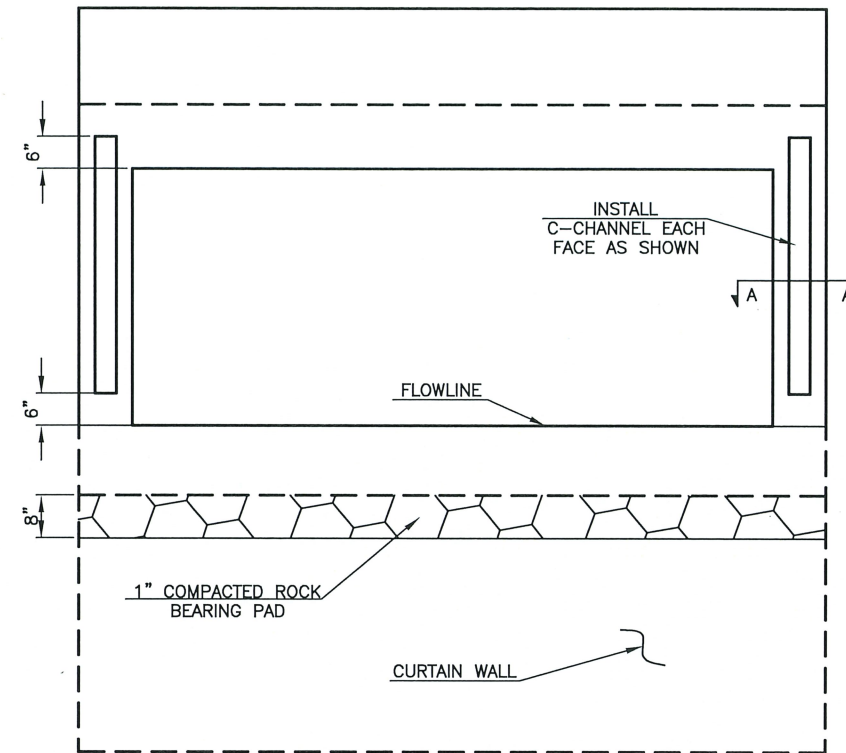
10' X 4' RCB DIMENSIONS SUMMARY OF QUANTITIES - TWO CURT. WALLS		
ITEM	UNIT	QUANTITY
CLASS AA CONCRETE	CY	3.60
REINFORCING STEEL	LBS	500.00



BEARING PAD PLAN VIEW

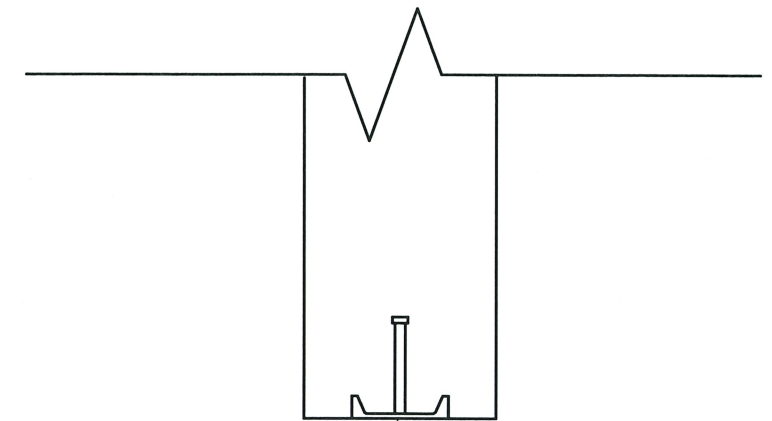
SUMMARY OF QUANTITIES – BEARING PAD ROCK		
ITEM	UNIT	QUANTITY
STRUCTURES A, B, & C	CY	25.00
STRUCTURES D	CY	22.00
STRUCTURES E	CY	16.00

CONSTRUCT 8" DEEP BEARING PAD FOR BOTTOM SLAB WITH 1" COMPACTED ROCK



C-CHANNEL INSTALLATION DETAIL

SUMMARY OF QUANTITIES C-CHANNEL (EACH WALL FACE)			
ITEM		UNIT	QUANTITY
STRUCTURES A, B, & C	C6 X 10.5	LF	6.00
STRUCTURES D	C6 X 10.5	LF	5.00
STRUCTURES E	C4 X 7.25	LF	4.00



SECTION A-A

DESCRIPTION	REVISIONS	DATE

SECTION DIMENSIONS					REINFORCING STEEL																														SECTION DIMENSIONS		QUANTITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
					A1-BARS				A2-BARS				B1-BARS				B2-BARS				C1-BARS				C2-BARS				E1-BARS AT 12" MAX.			E2-BARS AT 12" MAX.					PER FOOT OF BARREL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
					SIZE	SPA	LENGTH	WEIGHT PER FT.	SIZE	SPA	LENGTH	WEIGHT PER FT.	SIZE	SPA	*X*	*Y*	LENGTH	WEIGHT PER FT.	SIZE	SPA	*X*	*Y*	LENGTH	WEIGHT PER FT.	SIZE	SPA	LENGTH	WEIGHT PER FT.	SIZE	SPA	LENGTH	WEIGHT PER FT.	NO.	SIZE			WEIGHT PER FT.	NO.	SIZE	WEIGHT PER FT.	S	H	CONC. (C.Y.)	REINF. (LB.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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DESIGN DATA:

1. DESIGNED IN ACCORDANCE WITH 2007 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND INTERIM SPECIFICATIONS FROM 2008.
2. DESIGNED FOR HL-93 LOADING AND ODOT OVERLOAD TRUCK.
3. MATERIALS:

CONCRETE (CLASS AA) $f'_c = 4$ KSI

REINFORCING STEEL $f_y = 60$ KSI

GENERAL NOTES:

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
2. ALL CONCRETE EDGES SHALL HAVE A 1 1/2" CHAMFER UNLESS OTHERWISE SHOWN OR NOTED. ALL CHAMFER STRIPS SHALL BE SIZED LUMBER.
3. ALL REINFORCING STEEL SHALL HAVE A 2" MINIMUM CLEAR COVER UNLESS OTHERWISE SHOWN.
4. THE QUANTITY FOR REINFORCING STEEL DOES NOT INCLUDE LAP SPLICES OF E1-BARS OR E2-BARS IN THE LENGTH OF THE BARREL OR AT TRANSVERSE CONSTRUCTION JOINTS. THE SPLICE LENGTH FOR E-BARS SHALL BE 24" MINIMUM. THE NUMBER OF SPLICES USED IS TO BE APPROVED BY THE ENGINEER. REINFORCING STEEL FOR SPLICES SHALL NOT BE MEASURED FOR PAYMENT, AND ALL COSTS WILL BE INCLUDED IN THE UNIT BID PRICE FOR REINFORCING STEEL.
5. TRANSVERSE CONSTRUCTION JOINTS SHALL BE PLACED IN ALL CULVERTS 100 FT. OR MORE IN LENGTH. JOINTS SHALL BE SPACED AT 60 FT. MAX.
6. REINFORCING STEEL SHALL BE CONTINUOUS THROUGH THE TRANSVERSE CONSTRUCTION JOINT AND EXTEND A MIN. OF 24" INTO ADJACENT SECTION.

BASIS OF PAYMENT

ITEM NO.	ITEM	UNIT
509.06 (A)	CLASS AA CONCRETE	C.Y.
511.06 (A)	REINFORCING STEEL	LB.

APPROVED BY BRIDGE ENGINEER

DATE 4/2/10

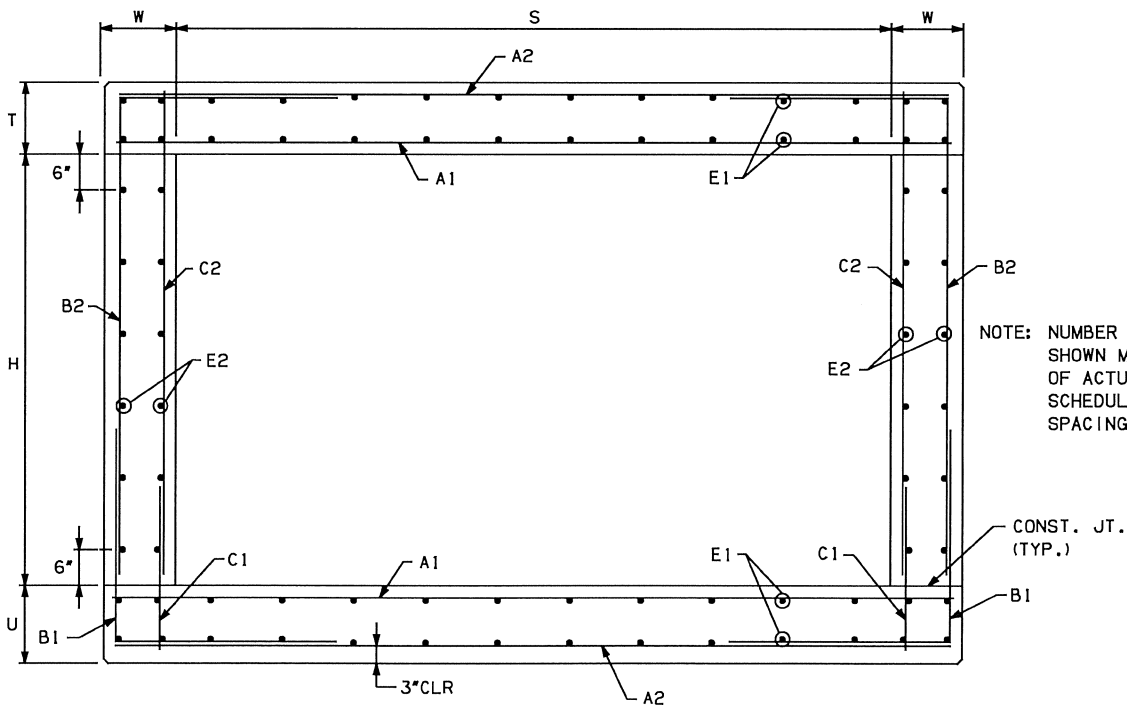
OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)
RCB CULVERTS - BARREL DETAILS
16'-0" SPAN - SINGLE CELL
2 FT. TO 10 FT. FILL

2009 SPECIFICATIONS

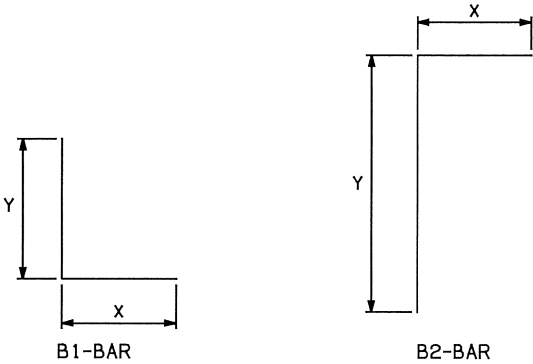
RCB-C1-16(2-10)

01E

B-520E

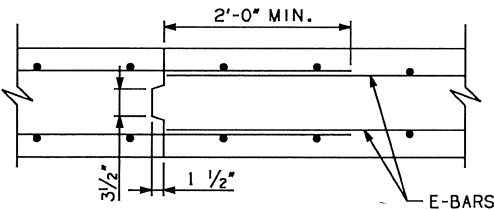


BARREL SECTION



BAR BEND DIAGRAMS

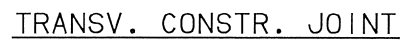
NOTE: ALL *X* DIMENSIONS ARE HORIZONTAL IN BARREL SECTION.
ALL *Y* DIMENSIONS ARE VERTICAL IN BARREL SECTION.



TRANSV. CONSTR. JOINT

[illegible]

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
509.06 (A)	CLASS AA CONCRETE	C.Y.
511.06 (A)	REINFORCING STEEL	LB.



8-519E

DESCRIPTION	REVISIONS	DATE

SECTION DIMENSIONS					REINFORCING STEEL																														SECTION DIMENSIONS		QUANTITIES					
					A1-BARS				A2-BARS				B1-BARS				B2-BARS				C1-BARS				C2-BARS				E1-BARS AT 12" MAX.				E2-BARS AT 12" MAX.									
S	H	T	U	W	SIZE	SPA	LENGTH	WEIGHT PER FT.	SIZE	SPA	LENGTH	WEIGHT PER FT.	SIZE	SPA	*X*	*Y*	LENGTH	WEIGHT PER FT.	SIZE	SPA	*X*	*Y*	LENGTH	WEIGHT PER FT.	SIZE	SPA	LENGTH	WEIGHT PER FT.	SIZE	SPA	LENGTH	WEIGHT PER FT.	NO.	SIZE	WEIGHT PER FT.	NO.	SIZE	WEIGHT PER FT.	S	H	CONC. (C.Y.)	REINF. (LB.)
10'	3'	12"	13"	10"	#7	6"	11'-4"	92.7	#4	12"	11'-4"	15.1	#5	6"	2'-1"	2'-6"	4'-7"	19.1	#5	6"	2'-1"	3'-10"	5'-11"	24.7	#5	12"	2'-2"	4.5	#5	12"	3'-10"	8.0	56	#4	37.4	12	#4	8.0	10'	3'	1.09	209.5
10'	4'	12"	13"	10"	#7	6"	11'-4"	92.7	#4	12"	11'-4"	15.1	#5	6"	2'-1"	2'-6"	4'-7"	19.1	#5	6"	2'-1"	4'-10"	6'-11"	28.9	#4	12"	2'-2"	2.9	#4	12"	4'-10"	6.5	56	#4	37.4	16	#4	10.7	10'	4'	1.15	213.3
10'	5'	12"	13"	10"	#7	6"	11'-4"	92.7	#4	12"	11'-4"	15.1	#5	6"	2'-1"	2'-6"	4'-7"	19.1	#5	6"	2'-1"	5'-10"	7'-11"	33.0	#4	12"	2'-2"	2.9	#4	12"	5'-10"	7.8	56	#4	37.4	20	#4	13.4	10'	5'	1.21	221.4
10'	6'	12"	13"	12"	#7	6"	11'-8"	95.4	#4	12"	11'-8"	15.6	#6	6"	2'-5"	2'-10"	5'-3"	31.5	#6	6"	2'-5"	6'-10"	9'-3"	55.6	#4	12"	2'-2"	2.9	#4	12"	6'-10"	9.1	56	#4	37.4	24	#4	16.0	10'	6'	1.37	263.5
10'	7'	12"	13"	12"	#7	6"	11'-8"	95.4	#4	12"	11'-8"	15.6	#6	6"	2'-5"	2'-10"	5'-3"	31.5	#6	6"	2'-5"	7'-10"	10'-3"	61.6	#4	12"	2'-2"	2.9	#4	12"	7'-10"	10.5	56	#4	37.4	28	#4	18.7	10'	7'	1.44	273.6
10'	8'	12"	13"	12"	#7	6"	11'-8"	95.4	#4	12"	11'-8"	15.6	#6	6"	2'-5"	2'-10"	5'-3"	31.5	#6	6"	2'-5"	8'-10"	11'-3"	67.6	#4	12"	2'-2"	2.9	#4	12"	8'-10"	11.8	56	#4	37.4	32	#4	21.4	10'	8'	1.52	283.6
10'	9'	12"	13"	12"	#7	6"	11'-8"	95.4	#4	12"	11'-8"	15.6	#6	6"	2'-6"	2'-10"	5'-4"	32.0	#6	6"	2'-6"	9'-10"	12'-4"	74.1	#4	12"	2'-2"	2.9	#4	12"	9'-10"	13.1	56	#4	37.4	36	#4	24.0	10'	9'	1.59	294.5
10'	10'	12"	13"	12"	#7	6"	11'-8"	95.4	#4	12"	11'-8"	15.6	#6	6"	2'-8"	2'-10"	5'-6"	33.0	#6	6"	2'-8"	10'-10"	13'-6"	81.1	#5	12"	2'-6"	5.2	#5	12"	10'-10"	22.6	56	#4	37.4	40	#4	26.7	10'	10'	1.67	317.0

DESIGN DATA:

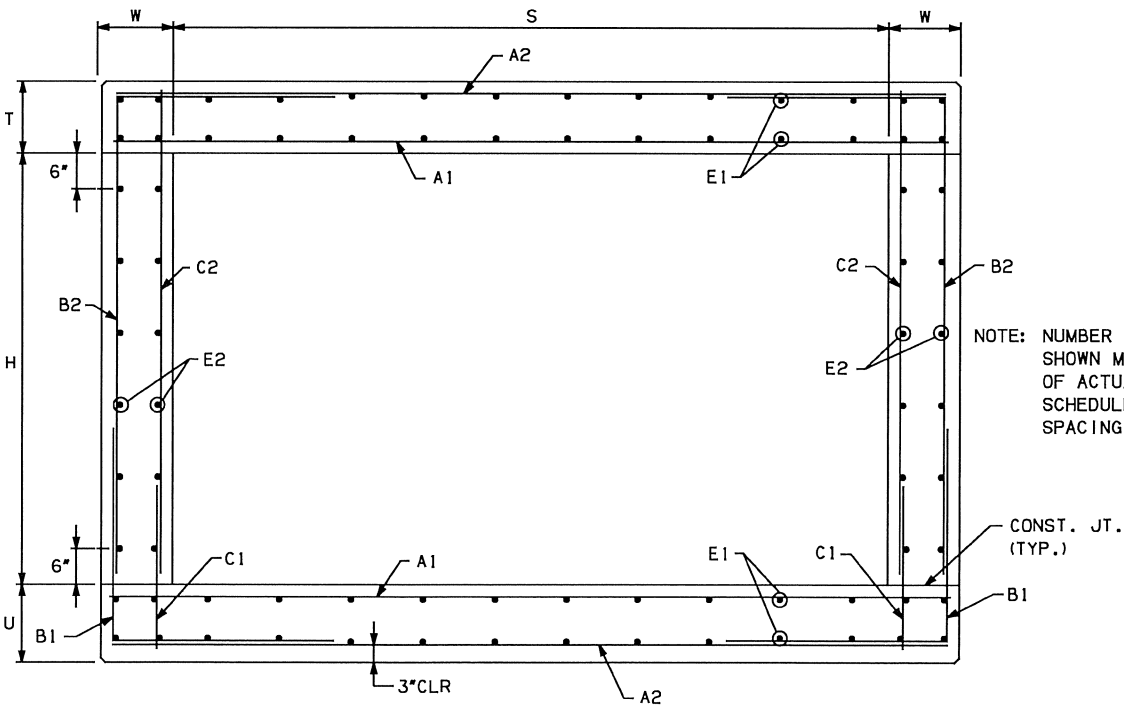
- DESIGNED IN ACCORDANCE WITH 2007 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND INTERIM SPECIFICATIONS FROM 2008.
- DESIGNED FOR HL-93 LOADING AND ODOT OVERLOAD TRUCK.
- MATERIALS:
CONCRETE (CLASS AA) $f'_c = 4$ KSI
REINFORCING STEEL $f_y = 60$ KSI

GENERAL NOTES:

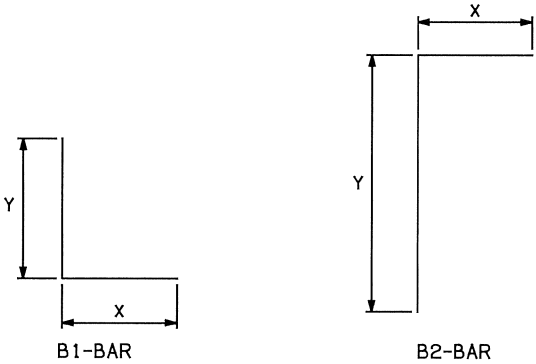
- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
- ALL CONCRETE EDGES SHALL HAVE A $1\frac{1}{2}$ " CHAMFER UNLESS OTHERWISE SHOWN OR NOTED. ALL CHAMFER STRIPS SHALL BE SIZED LUMBER.
- ALL REINFORCING STEEL SHALL HAVE A 2" MINIMUM CLEAR COVER UNLESS OTHERWISE SHOWN.
- THE QUANTITY FOR REINFORCING STEEL DOES NOT INCLUDE LAP SPLICES OF E1-BARS OR E2-BARS IN THE LENGTH OF THE BARREL OR AT TRANSVERSE CONSTRUCTION JOINTS. THE SPLICE LENGTH FOR E-BARS SHALL BE 24" MINIMUM. THE NUMBER OF SPLICES USED IS TO BE APPROVED BY THE ENGINEER. REINFORCING STEEL FOR SPLICES SHALL NOT BE MEASURED FOR PAYMENT, AND ALL COSTS WILL BE INCLUDED IN THE UNIT BID PRICE FOR REINFORCING STEEL.
- TRANSVERSE CONSTRUCTION JOINTS SHALL BE PLACED IN ALL CULVERTS 100 FT. OR MORE IN LENGTH. JOINTS SHALL BE SPACED AT 60 FT. MAX.
- REINFORCING STEEL SHALL BE CONTINUOUS THROUGH THE TRANSVERSE CONSTRUCTION JOINT AND EXTEND A MIN. OF 24" INTO ADJACENT SECTION.

BASIS OF PAYMENT

ITEM NO.	ITEM	UNIT
509.06 (A)	CLASS AA CONCRETE	C.Y.
511.06 (A)	REINFORCING STEEL	LB.

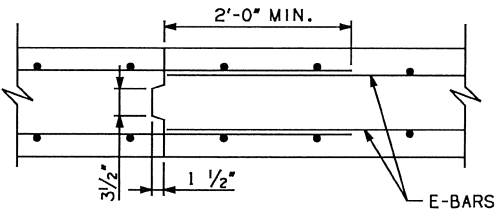


BARREL SECTION



BAR BEND DIAGRAMS

NOTE: ALL *X* DIMENSIONS ARE HORIZONTAL IN BARREL SECTION.
ALL *Y* DIMENSIONS ARE VERTICAL IN BARREL SECTION.



TRANSV. CONSTR. JOINT

APPROVED BY BRIDGE ENGINEER

Scott A. Smith

DATE 4/2/10

OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)
RCB CULVERTS - BARREL DETAILS
10'-0" SPAN - SINGLE CELL
2 FT. TO 14 FT. FILL

2009 SPECIFICATIONS

RCB-C1-10(2-14)

01E

B-515E