

**CASS COUNTY HIGHWAY DEPARTMENT
BIDDERS PROPOSAL**

**FOR
COUNTY PROJECTS TB1305, TB1320, CH1409, TB1308
BOX CULVERT REPLACEMENTS**

28/33 Empire Township, 12 Gill/7 Everest Township, 11/14 Warren Township,
5/8 Hill Township

in Cass County, North Dakota

Date of Letting: 10:00 A.M., March 13, 2014

Proposal of: _____

COUNTY PROJECTS TB1305, TB1320, CH1409, TB1308

BOX CULVERT REPLACEMENTS

INSTRUCTIONS TO BIDDERS:

For the 2014 Construction season, Cass County Highway Department will be accepting bids as paper copies and electronically at BidExpress.com. For the 2015 Construction season and beyond, Cass County will be only accepting bids electronically.

The Cass County Auditor at the Auditor's Office, 211 9th Street South, Fargo, North Dakota, will receive sealed paper bids until 10:00 a.m. on March 13, 2014. Bids will be opened immediately both electronically and traditionally following the hour set for receiving bids in the Grasslands Room at the Cass County Courthouse, 211 9th Street South, Fargo, North Dakota.

Paper copies of plans and proposal may be obtained at the office of the Cass County Engineer, West Fargo, North Dakota, at \$10.00 per set, non-refundable. Digital copies are available at BidExpress.com free for viewing.

All envelopes containing paper bids must be clearly marked on the outside "**BID FOR BOX CULVERT REPLACEMENTS**", and the North Dakota contractor's license number must be shown.

A bidder's bond in the amount of 5% of the amount bid, made payable to Cass County shall accompany each bid in a SEPARATE ENVELOPE ATTACHED TO THE OUTSIDE OF THE PAPER BID or IN A SEPARATE ENVELOPE FOR ELECTRONIC BIDDING if a non-electronic bond is used. Certified or Cashier's checks will not be accepted. **A copy of the current ND Contractor's License or certificate of renewal shall be included in the Bid Bond envelope.** No bid will be read or considered which does not comply with the bond or license requirements.

Prequalification is required for all bidders prior to obtaining a bidders proposal. Contractors may be required to submit information detailing their ability to perform the work specific to this project. Cass County shall determine the Prequalification status of each contractor requesting a proposal, and reserves the right to deny bid documents to any contractor based on the County's responsibility determination.

The County reserves the right to reject any or all bids and to waive any irregularities. All bidders must be qualified to bid under the laws of the State of North Dakota in accordance with § 49-07-12 of the N.D.C.C.

COUNTY PROJECTS TB1305, TB1320, CH1409, TB1308

BOX CULVERT REPLACEMENTS

INDEX OF PROVISIONS:

North Dakota Supplemental Specifications

Supplemental Specifications dated October 1, 2013 are not included in this proposal but are available at the county engineer's office, or be downloaded from the NDDOT's website at the following website:

<http://www.dot.nd.gov/dotnet/suplspecs/standardspecs.aspx>

Price Schedule for Miscellaneous Items Dated March 1, 2013

Special Provision 14-1 Contractor License & Contractor Claims

Construction Notes

Box Culvert Details

Location Maps

Standard Drawings

NUMBER

TITLE

D-704-8, 9, 10, 11, 12, 14, 15, 22, & 26

CONSTRUCTION SIGNING

STANDARD DRAWINGS ARE NOT INCLUDED IN PLANS BUT ARE AVAILABLE AT THE COUNTY ENGINEER'S OFFICE.

NOT FOR BIDDING

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

PRICE SCHEDULE FOR MISCELLANEOUS ITEMS

March 1, 2013

The Contractor agrees to accept the following unit prices for each listed item of work and/or material when no project Contract Unit Price exists for that item. Each price listed will be full compensation for the cost of labor, material, and equipment necessary to provide the item of work and/or material, complete in place, including (but not limited to) royalty, disposal of unsuitable material, equipment rental, sales tax, use tax, overhead, profit, and incidentals.

Payment for items of work under this schedule performed by a Subcontract shall include an additional allowance for the Prime Contractor as specified in Section 104.03 of the Standard Specifications.

Each listed price is referenced to the Standard Specifications by Section number and Section name.

SECTION NO.	SECTION NAME	ITEM NAME	PRICE PER ITEM
107.05 A.1	Maintaining Traffic	Flagging	\$32 per MHR
107.05 B.1	Haul Roads	Water	\$27 per M Gal.
107.05 B.7	Haul Roads	Bituminous Mix	\$42 per Ton**
107.05 B.7	Haul Roads	Bitumen for Mix	Invoice Price* + 10%
107.05 B.7	Haul Roads	Aggregate Base	\$17 per Ton**
203.01 B	Rock Excavation	Rock Excavation	\$11 per CY
203.01 C	Shale Excavation	Shale Excavation	Common Excavation Bid Price + \$1.00 per CY
203.01 D	Muck Excavation	Muck Excavation	\$9 per CY
203.02 F	Embankment Construction	Overhaul	\$1.40 per CY - Mile
407.07 B.2.a or 408.07 C.2.a	Hot Bit. Pavement (Excavated Material Hauled to Disposal Area)	Bituminous Mixture	Machine Placed: Bid or Invoice Price + \$31 per Ton Hand Placed: Bid or Invoice Price + \$48 per Ton
420.06	Bituminous Seal Coat	Blotter Sand	\$27 per Ton**
650.04 D.2 Step 3 650.05 D.2 Step 3	Repair & Overlay of PCC Bridge Decks	Low-Slump Concrete	\$335.55 per CY
708	Erosion Control	Mucking Silt Fence	\$3.90 per L.F.
708	Erosion Control	Mucking of Fiber Rolls	\$3.90 per L.F.
708	Erosion Control	Removal of Silt Fence ***	\$4.25 per L.F.
708	Erosion Control	Removal of Fiber Rolls ***	\$4.25 per L.F.

* Price paid for bituminous material will be Invoice Price plus Freight Costs.

** Price includes haul up to 10 miles. Payment for haul exceeding 10 miles will be according to Section 109.04 C of the Standard Specifications. The haul distance for Aggregate Base and Bituminous Mix will be based on the average haul. The haul distance for Blotter Sand will be from the point where the haul begins to the point where it enters the project.

*** This is only for pre-existing items that were not installed under the Contract.

CASS COUNTY HIGHWAY DEPARTMENT

SPECIAL PROVISION 14-1

January 1, 2014

SECTION 102.02 CONTRACTOR LICENSE

Section 102.02 of the Standard Specifications for Road and Bridge Construction, 2008 edition is deleted. All bidders must possess a current North Dakota Contractors License in accordance with § 43-07-12 of the North Dakota Century Code.

SECTION 104.06 CONTRACTOR CLAIMS

If the Contractor claims additional compensation for work or material not covered by the Contract, the Contractor is required to prosecute the claim in accordance with Standard Specifications for Road and Bridge Construction, 2008 edition, paragraph 104.06, et seq. The provisions of subparagraph 104.06 D are not applicable to this contract, nor are the provisions of North Dakota Century Code 24-02-26 et seq. as the North Dakota Department of Transportation is not a party to this contract.

References in the Standard Specifications for Road and Bridge Construction, 2008 edition, to the North Dakota Department of Transportation or Department must be construed as referring to the owner. Likewise, a reference by the same works to engineer or director must be construed as referring to the owner of the project.

NOT FOR BIDDING

CONSTRUCTION NOTES

PRECAST REINFORCED CONCRETE BOX CULVERT

Precast Reinforced Concrete Box Culvert: A precast reinforced concrete box culvert shall be installed at the existing centerline of the bridge per the plans for each individual project. The concrete box culverts shall be designed for at least two feet of fill.

The installation of each precast RCB shall satisfy the applicable portions of "AASHTO standard specifications for highway bridges," Division II, Section 27, and Section 2 along with Section 210 of the "North Dakota standard specifications for road and bridge construction." The contractor shall provide a 6-inch minimum thickness of bedding (screedable granular material) for a leveling course, and a 1' minimum thickness of 1.5-inch crushed rock for foundation fill under the RCB. Geotextile fabric type S1 shall be placed between the foundation fill and the sand bedding.

The design and manufacture of each precast RCB shall satisfy the applicable portion of "AASHTO standard specifications for highway bridges," division I, section 17, and "AASHTO materials specification M259." The design shall also meet or exceed the following criteria:

- A. Live load: HS25
- B. Load factor design
 - 1. Dead load factor = 1.30
 - 2. Live load factor = 2.17
 - 3. Strength reduction (ϕ) factors
 - A. Shear = 0.85
 - B. Flexure = 0.9
- C. Dead loads
 - 1. Concrete = 150 lbs./cu. ft.
 - 2. Earth = 120 lbs./cu. ft.
 - 3. Lateral earth = 40 lbs./sq. ft./ft. of depth
- D. Applications of loads - the RCBs shall be designed for the greater moments and shears resulting from the following two load conditions:
 - 1. Dead load + live load + balanced lateral earth load
 - 2. $0.8 \times$ (dead load + live load + unbalanced lateral earth load). The unbalanced lateral earth load occurs when one side of the culvert has 40 lbs./sq. ft./ft. of depth while the other side has 20 lbs./sq. ft./ft. of depth.

The precast RCBs shall be comprised of barrel sections and end sections. The concrete used to make the sections shall have a minimum compressive strength of 4,000 psi.

The barrel sections shall not be any shorter than 4 feet long. The minimum thickness of the barrel parts is 10 inches for the roof and floor, and 8 inches for the walls. Any haunch or fillet at the inside corners of the barrel shall not exceed a triangular shape with 12 inch horizontal and 12 inch vertical legs. The barrel section joints shall be tongue and groove.

The end sections shall include a reinforced concrete parapet on the top of the roof, and a reinforced concrete cutoff wall below the floor. The parapet shall be 1' x 1' and shall be as long as the barrel section is wide. The cutoff walls shall be placed under the end of the apron and shall be a minimum of 8 inches thick, 2.5 feet deep, and 3 feet longer than the barrel sections are wide. Holes shall be cast at 3' centers through the floor of each end section and into the cutoff walls to receive 3/4" diameter dowels. Then the voids shall be filled with grout. The slope of the end sections shall not be any steeper than 2 to 1, measured perpendicular to the centerline of the roadway. The end of the section shall not be higher than 2' - 4" above the floor. The end sections shall be connected to the main barrel by the use of galvanized U-bolts or galvanized steel-bolted plates in such a manner that the inside corner surface is smooth.

An acceptable method shall tie all the RCB sections together. The ties should adequately hold the sections together under construction load and service load conditions. The sections shall be tied together with prestressing strands or galvanized steel U-bolts. There shall be a minimum of four strands at each joint placed at each outside corner. If the U-bolts are used, the four U-bolts will be located at the third points of the outside walls. All hardware shall either be hot-dipped galvanized according to section 854 of the "North Dakota Standard Specifications for Road and Bridge Construction" or mechanically galvanized according to ASTM B695. Prestressing cables shall be corrosion protected and their ends grouted.

The top and two outside surfaces of each barrel section joint shall be wrapped with a geotextile fabric that prevents soil from leaking through the joint. The geotextile fabric shall be a minimum of 24 inches wide and shall meet the requirements of geotextile fabric type S1. Geotextile fabric shall also be required at the outside of each cutoff wall vertical joint, if more than one unit is used. A groove should be made in the bedding 1" deep and 2" - 3" wide in front of each joint to prevent sand from being pushed into the joint during installation. Each joint shall also be sealed with 1 1/4" cord preformed plastic joint sealant (ASTM C-990) on all four sides or on the bottom and up 1/3 of the sides.

The costs of providing and installing the ties, the geotextile fabric, and joint sealant shall be included in the price bid for the precast RCBs.

The contractor shall submit shop drawings to the construction engineer for approval before the manufacture of the RCB sections. These shop drawings shall show a minimum of the following:

- Layout showing RCB placement and clearances.
- Type and strength of concrete and reinforcing steel.
- All concrete and reinforcing dimensions.
- Reinforcing steel clearances.
- Method of tying sections together.
- Method of covering and sealing the joints.
- Installation and handling instructions.

End sections are required on each end of both lines. Barrels shall be spaced 1 foot apart, and flowable fill shall be used between the box culverts (including end sections). At each end, the flowable fill shall be capped with 6" of 3,000 psi concrete. The concrete cap, and any other additional items required for the installation of flowable fill shall be included in the price bid for flowable fill. Mix design for flowable fill shall be approved by engineer prior to placement.

Class AE-3 Concrete – Site 3: This bid item shall include all costs associated with placing concrete for the CMP headwalls, including the reinforcing steel.

Aggregates: The attention of the bidders is directed to M.S. 298.75 (Aggregate Material Tax), pursuant to the removal of aggregates from any deposit in Minnesota.

Haul Roads: The Contractor's attention is directed to Section 107.05 B of the Standard Specifications with regard to the use of public roads for hauling materials to the project. It shall be the Contractor's responsibility to investigate the suitability of routes with the agency having control of the road prior to submitting a bid.

Removal of Structure: This bid item shall include all costs associated with the removal of the existing structures. The structure shall be removed in its entirety. All material shall be disposed of off-site at a location of the contractor's choosing, approved by the engineer. Burial of the removed material will not be permitted.

Select Backfill: The Class 5 aggregate backfill shall be compacted in layers not to exceed 6 inches using a hand-held vibratory plate compactor or hand-held mechanical tamper to the top pipe a distance of two feet on either side of the pipe. All equipment shall be operated to produce a uniform density throughout the entire section. The desired degree of compaction will be considered obtained when the surface is tightly bound and shows no rutting or displacement under equipment operation. Water shall be applied as needed to secure required results. All other aggregate pertaining to pipe culverts shall be placed according to section 203.02H. Plan quantity includes 25% shrinkage.

Flowable Fill: CDF shall be used between the walls of the individual lines of precast RCB culverts. CDF shall have a compressive strength of 150-300 psi.

Seeding: Seeding - Type B, Class V shall meet the requirements of section 708 of the standard specifications except that the minimum amount of live seed per acre shall be modified as follows:

CLASS V	POUNDS OF LIVE SEED PER ACRE
Meadow Bromegrass	20
Intermediate Wheatgrass	20
Crested Wheatgrass	20
Tetraploid Int. Ryegrass	8
Creeping Alfalfa	12
Rye	<u>20</u>
TOTAL	100

Loose Rock Riprap And Geotextile Fabric Type RR: Excavation quantities for placement of loose rock riprap and geotextile fabric type RR shall be included in the price bid for riprap and not paid for separately. This item shall be placed at the locations shown on the plans. Exact dimensions to be determined by the Engineer in the field, and quantities may vary. Riprap shall be 6" to 12" diameter and uniformly graded. Materials shall meet the requirements of sections 708.04, 709, and 858 of the standard specifications. Unit price will not be adjusted with increase or decrease in quantity.

Borrow – Site 1 & 4: Borrow material shall be obtained from a borrow site located by the contractor and approved by the engineer. The price bid for “BORROW-EXCAVATION” shall include all royalties, utility and fencing adjustments, environmental and cultural clearances, erosion control measures, site restoration and any other costs associated with obtaining, transporting and placing borrow material. The quantity for “BORROW-EXCAVATION” shall be measured for payment by cross section of the borrow area.

Traffic Control: This item shall include all costs associated with flagging, and required signage for the sites to safely close the road. No official detour shall be posted. Temporary local access shall be maintained at all times. The contractor shall coordinate access for the residents north of Site 2.

Fiber Rolls 12IN: This item shall include all costs with placing and securing the 12IN fiber rolls for siltation and erosion control.

Geotextile Fabric – Type S1: This item shall include all costs associated with the placement of the geotextile fabric – Type S1. Actual surface area will be the measurement used for payment, no allowances made for overlapping.

Geotextile Fabric – Type R1: This item shall include all costs associated with the placement of the geotextile fabric – Type R1. Actual surface area will be the measurement used for payment, no allowances made for overlapping.

Embankment – Site 4: The Existing road shall be raised to match the overtop elevation and match the existing road elevation approximately 200’ east and west of the RCB culvert. The topsoil shall be salvaged and replaced. Common excavation and borrow shall be placed and compacted on the existing surface and slopes. Exact placement shall be marked by the Engineer.

Weed Control: Successful bidders as part of their supply contract will be required as part of the bid acceptance to comply with the following:

1. All noxious weeds must be controlled within the pit and extraction area each year in compliance with North Dakota State Agriculture Department recommendations for noxious weed control.
2. The county weed officer shall inspect the pit and extraction area before any materials shall be removed and shall by written letter certify operator’s compliance with the North Dakota Department of Agriculture’s recommendations for noxious weed control.
3. Any questions concerning the certifications of compliance for noxious weed control and the requirements thereunder is available from the County Weed Officer (701-298-2388).

This request is made pursuant to section 4.1-47 of the North Dakota Century Code.

PROPOSAL

Note: The envelope containing this proposal should be marked:

“BID FOR BOX CULVERT REPLACEMENTS”, in Cass County

Proposal of: _____

Mailing Address

to furnish and deliver all materials and to do and perform all work, in accordance with the Standard Specifications, adopted by North Dakota Department of Transportation October 2008, Standard Drawings currently in effect, and other contract provisions submitted herewith of the North Dakota Department of Transportation except as specifically stated otherwise in the "Special Provisions" contained therein, for the improvement of a certain Public Highway in Cass County, State of North Dakota, on which proposals will be received until 10:00 o'clock A.M., on the 13th day of March, 2014, this project being known as Cass County Projects No. TB1305, TB1320, CH1409, TB1308. Said projects being situated as follows: Box Culvert Replacement on a Township Road in Empire Township between Sections 28 and 33, 1.75 Miles W of Cass Highway 5, Box Culvert Replacement on a Township Road in Gill and Everest Townships between Sections 12 Gill and 7 Everest, 2 Miles E of Cass Highway 5, Box Culvert Replacement on Cass Highway 6 and CMP Culvert Replacement on a field approach in Warren Township between Sections 11 and 14, 2.5 Miles E of Cass Highway 15, Box Culvert replacement on a Township Road in Hill Township between Sections 5 and 8, 1.5 miles west of Cass Highway 1.

NOT FOR BIDDING

PROPOSAL

PROJECT NO: TB1305, TB1320, CH1409, TB1308

TYPE: BOX CULVERT REPLACEMENTS

LENGTH: VARIES.

To The Chairman:
Cass County Board of Commissioners
Fargo, North Dakota

In accordance with the advertisement and notice to bidders from the Cass County Highway Department inviting proposals for the work on the project described above, the Bidder proposes to furnish all materials specified, and perform all work in the manner and at the time prescribed. The Bidder understands the quantities of work shown herein are approximate only, and are subject to increase or decrease. The bidder further understands that all quantities of work, whether increased or decreased, are to be performed at the unit prices proposed herein (except as otherwise provided in the contract documents).

The bid schedule, time for completion, other provisions, and bidder's affidavit follows:

NOT FOR BIDDING

PROPOSAL
BID SCHEDULE FOR COUNTY PROJECT NUMBER TB1305, TB1320, CH1409, TB1308
 BIDDER MUST TYPE OR NEATLY PRINT UNIT PRICES IN NUMERALS,
 MAKE EXTENSIONS FOR EACH ITEM, AND TOTAL, DO NOT CARRY
 UNIT PRICES FURTHER THAN THREE (3) DECIMAL PLACES.

CASS COUNTY HIGHWAY DEPARTMENT						
TB1305: 28/33 EMPIRE TOWNSHIP				ESTIMATED QUANTITIES		
ON A TOWNSHIP ROAD						
OVER SWAN CREEK						
ITEM	SPEC NO.	DESCRIPTION	UNIT	APPROX QUANTITY	UNIT COST	TOTAL
1	103	CONTRACT BOND	L SUM	1		
2	202	REMOVAL OF STRUCTURE	EA			
3	203	COMMON EXCAVATION	CY	1,627		
4	203	BORROW - EXCAVATION	CY	466		
5	210	SELECT BACKFILL	TON	700		
6	210	FLOWABLE FILL	CY	32		
7	210	REINFORCEMENT AGGREGATE	CY	86		
8	302	AGGREGATE BASE COURSE CL 5	TON	207		
9	638	7' x 7' PRECAST RCB	LF	140		
10	638	7' x 7' PRECAST RCB END SECTION	EA	4		
11	702	MOBILIZATION	L SUM	1		
12	704	TRAFFIC CONTROL	L SUM	1		
13	708	RIPRAP - LOOSE ROCK	CY	62		
14	708	SEEDING - TYPE B - CLASS V	ACRE	1.00		
15	708	MULCHING	ACRE	1.00		
16	708	FIBER ROLLS 12IN	LF	200		
17	709	GEOTEXTILE FABRIC - TYPE S1	SY	184		
18	709	GEOTEXTILE FABRIC - TYPE R1	SY	517		

SITE 1 - PROJECT TOTAL: \$ _____

PROPOSAL
BID SCHEDULE FOR COUNTY PROJECT NUMBER TB1305, TB1320, CH1409, TB1308
 BIDDER MUST TYPE OR NEATLY PRINT UNIT PRICES IN NUMERALS,
 MAKE EXTENSIONS FOR EACH ITEM, AND TOTAL, DO NOT CARRY
 UNIT PRICES FURTHER THAN THREE (3) DECIMAL PLACES.

CASS COUNTY HIGHWAY DEPARTMENT						
TB1320: 12 GILL/7 EVEREST TOWNSHIP				ESTIMATED QUANTITIES		
ON A TOWNSHIP ROAD						
OVER A TRIBUTARY OF SWAN CREEK						
ITEM	SPEC NO.	DESCRIPTION	UNIT	APPROX QUANTITY	UNIT COST	TOTAL
1	103	CONTRACT BOND	L SUM	1		
2	202	REMOVAL OF STRUCTURE	EA	1		
3	203	COMMON EXCAVATION	CY	600		
4	203	COMMON EXCAVATION - WASTE	CY	997		
5	210	SELECT BACKFILL	TON	375		
6	210	FLOWABLE FILL	CY	23		
7	210	REINFORCEMENT AGGREGATE	CY	109		
8	302	AGGREGATE BASE COURSE CL 5	TON	207		
9	638	10' x 4' PRECAST RCB	LF	162		
10	638	10' x 4' PRECAST RCB END SECTION	EA	6		
11	702	MOBILIZATION	L SUM	1		
12	704	TRAFFIC CONTROL	L SUM	1		
13	708	RIPRAP - LOOSE ROCK	CY	69		
14	708	RIPRAP-SALVAGE	CY	17		
15	708	SEEDING - TYPE B - CLASS V	ACRE	0.50		
16	708	MULCHING	ACRE	0.50		
17	708	FIBER ROLLS 12IN	LF	200		
18	709	GEOTEXTILE FABRIC - TYPE S1	SY	327		
19	709	GEOTEXTILE FABRIC - TYPE R1	SY	630		

SITE 2 - PROJECT TOTAL: \$ _____

PROPOSAL
BID SCHEDULE FOR COUNTY PROJECT NUMBER TB1305, TB1320, CH1409, TB1308
 BIDDER MUST TYPE OR NEATLY PRINT UNIT PRICES IN NUMERALS,
 MAKE EXTENSIONS FOR EACH ITEM, AND TOTAL, DO NOT CARRY
 UNIT PRICES FURTHER THAN THREE (3) DECIMAL PLACES.

CASS COUNTY HIGHWAY DEPARTMENT						
CH1409: 11/14 WARREN TOWNSHIP			ESTIMATED QUANTITIES			
ON CASS HIGHWAY 6						
BOX CULVERT & CMP REPLACEMENT						
ITEM	SPEC NO.	DESCRIPTION	UNIT	APPROX QUANTITY	UNIT COST	TOTAL
1	103	CONTRACT BOND	L SUM	1		
2	202	REMOVAL OF STRUCTURE	EA	2		
3	203	COMMON EXCAVATION	CY	452		
4	203	COMMON EXCAVATION - WASTE	CY	814		
5	210	SELECT BACKFILL	TON	625		
6	210	FLOWABLE FILL	CY	19		
7	210	REINFORCEMENT AGGREGATE	CY	67		
8	302	AGGREGATE BASE COURSE CL 5	TON	207		
9	602	CLASS AE-3 CONCRETE	CY	8		
10	638	7' x 5' PRECAST RCB	LF	112		
11	638	7' x 5' PRECAST RCB END SECTION	EA	4		
12	702	MOBILIZATION	L SUM	1		
13	704	TRAFFIC CONTROL	L SUM	1		
14	708	RIPRAP - LOOSE ROCK	CY	83		
15	708	SEEDING - TYPE B - CLASS V	ACRE	0.50		
16	708	MULCHING	ACRE	0.50		
17	708	FIBER ROLLS 12IN	LF	400		
18	709	GEOTEXTILE FABRIC - TYPE S1	SY	200		
19	709	GEOTEXTILE FABRIC - TYPE R1	SY	718		
20	714	PIPE CORR STEEL-.064IN ARCH 64IN X 43	LF	100		

SITE 3 - PROJECT TOTAL: \$ _____

PROPOSAL
BID SCHEDULE FOR COUNTY PROJECT NUMBER TB1305, TB1320, CH1409, TB1308
 BIDDER MUST TYPE OR NEATLY PRINT UNIT PRICES IN NUMERALS,
 MAKE EXTENSIONS FOR EACH ITEM, AND TOTAL, DO NOT CARRY
 UNIT PRICES FURTHER THAN THREE (3) DECIMAL PLACES.

CASS COUNTY HIGHWAY DEPARTMENT						
TB1308: 5/8 HILL TOWNSHIP				ESTIMATED QUANTITIES		
ON A TOWNSHIP ROAD						
OVER A TRIBUTARY OF THE MAPLE RIVER						
ITEM	SPEC NO.	DESCRIPTION	UNIT	APPROX QUANTITY	UNIT COST	TOTAL
1	103	CONTRACT BOND	L SUM	1		
2	202	REMOVAL OF STRUCTURE	EA	1		
3	203	COMMON EXCAVATION	CY	1,400		
4	203	BORROW - EXCAVATION	CY	500		
5	210	SELECT BACKFILL	TON	492		
6	210	FLOWABLE FILL	CY	40		
7	210	REINFORCEMENT AGGREGATE	CY	180		
8	302	AGGREGATE BASE COURSE OL 5	TON	240		
9	638	16' X 6' PRECAST RCB	LF	174		
10	638	16' X 6' PRECAST RCB END SECTION	EA	6		
11	702	MOBILIZATION	L SUM	1		
12	704	TRAFFIC CONTROL	L SUM	1		
13	708	RIPRAP - LOOSE ROCK	CY	120		
14	708	SEEDING - TYPE B - CLASS V	ACRE	0.75		
15	708	MULCHING	ACRE	0.75		
16	708	FIBER ROLLS - 12IN	LF	1,000		
17	709	GEOTEXTILE FABRIC - TYPE S1	SY	547		
18	709	GEOTEXTILE FABRIC - TYPE R1	SY	911		

SITE 4 - PROJECT TOTAL: \$ _____

GRAND TOTAL: \$ _____

RECEIPT OF ADDENDUMS NO. 1 _____ NO. 2 _____ NO. 3 _____

PROPOSAL

COUNTY PROJECT NUMBER: TB1305, TB1320, CH1409, TB1308

TYPE: BOX CULVERT REPLACEMENTS

TIME FOR COMPLETION:

The undersigned Bidder agrees, if awarded the contract, to prosecute the work with sufficient forces and equipment to complete the contract work within the allowable time specified as follows:

WORKING DAY CONTRACT: N/A working days, counted as provided in Standard Specification No. 108.04. Working days will be counted from N/A or from the actual date on which on-site work is started, whichever is earlier.

COMPLETION DATE CONTRACT: September 26, 2014 provided however, that a minimum of N/A working days, counted as provided in Standard Specification No. 108.04, are guaranteed for the performance of the work. Working days will be counted from N/A or from the actual date on which onsite work is started, whichever is earlier.

NOT FOR BIDDING

PROPOSAL

COUNTY PROJECT NUMBERS: TB1305, TB1320, CH1409, TB1308

TYPE: BOX CULVERT REPLACEMENTS

CONTRACT EXECUTION:

The undersigned Bidder agrees, if awarded the contract, to execute the contract form and furnish a contract bond within ten days, as determined by NDCC Section 1-02-15, after date of notice of tentative award, in accordance with the provisions of Sections 103.05 and 103.06 of the Standard Specifications.

AFFIDAVIT:

STATE OF _____

)ss.

COUNTY OF _____

The undersigned bidder, being duly sworn, does depose and say that he/she is an authorized representative

Of _____

_____, a
Mailing Address

___ Individual ___ Partnership ___ Joint Venture ___ Corporation

and that the said bidder has examined and carefully prepared its bid from the plans and specifications and has checked the same in detail before submitting said proposal or bid; and that the said bidder or its agents, office, or employees have not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal or bid.

_____,
Bidder must sign on this line

Title _____

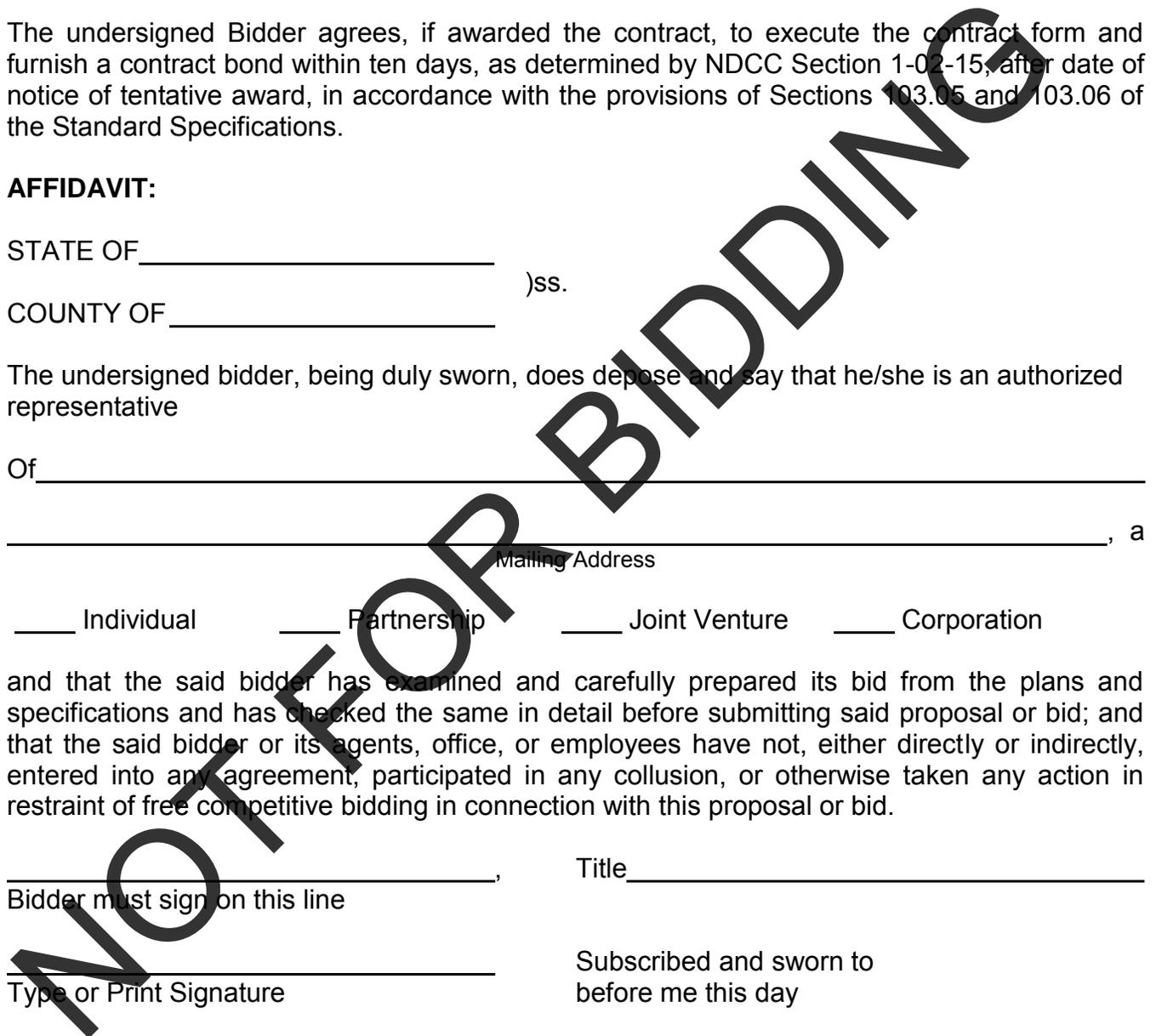
Type or Print Signature

Subscribed and sworn to
before me this day

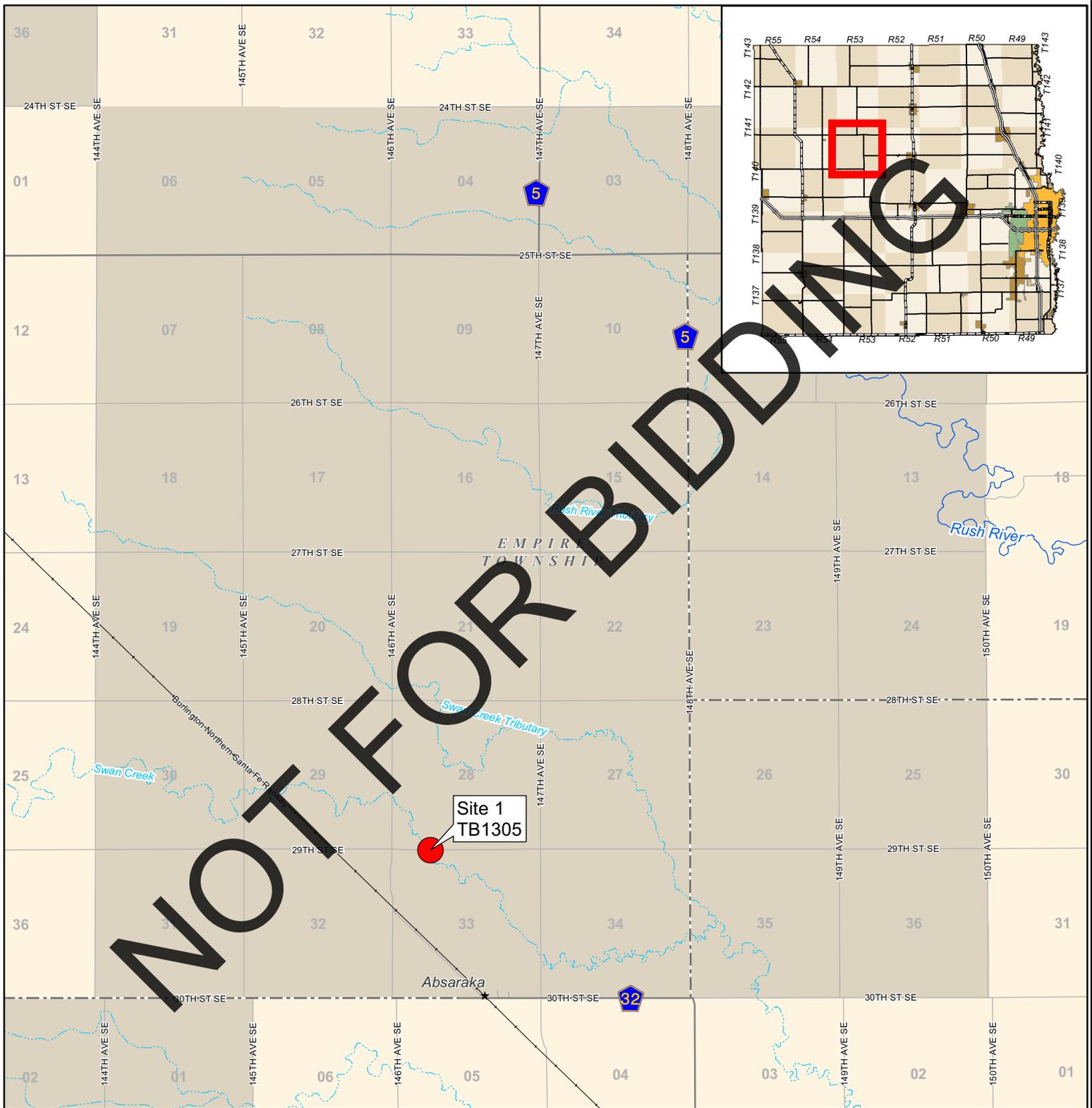
_____ County, _____
State

Notary Public

My commission expires _____



CASS COUNTY HIGHWAY DEPARTMENT COUNTY PROJECT TB1305 - STRUCTURE REPLACEMENT Sections 28/33 EMPIRE TOWNSHIP - SWAN CREEK



**CASS COUNTY
GOVERNMENT**

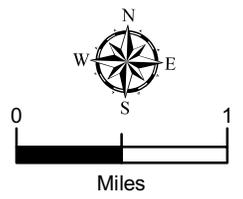


Prepared by
Cass County Highway Dept.
January 2014

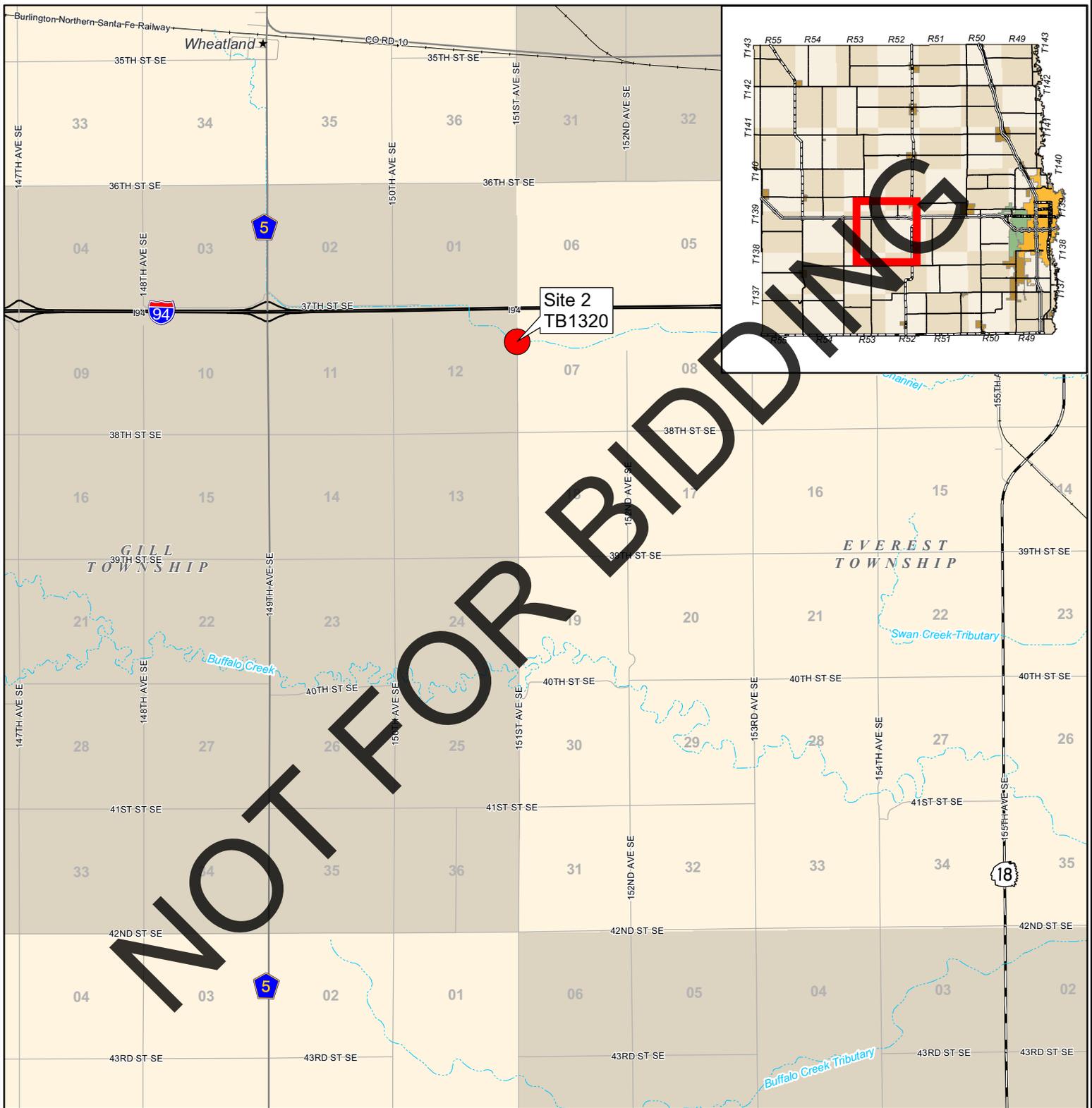
- Bridge Project
- City Limits
- FARGO
- WEST FARGO

- Drain/Coulee/Ditch
- Perennial Stream
- Intermittent Stream

- Interstates
- US Routes
- State
- County



CASS COUNTY HIGHWAY DEPARTMENT COUNTY PROJECT TB1320 - STRUCTURE REPLACEMENT Sections 12 GILL/7 EVEREST TOWNSHIP - SWAN CREEK TRIBUTARY



**CASS COUNTY
GOVERNMENT**



Prepared by
Cass County Highway Dept.
January 2014

 Bridge Project

 City Limits

 FARGO

 WEST FARGO

 Drain/Coulee/Ditch

 Perennial Stream

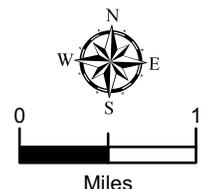
 Intermittent Stream

 Interstates

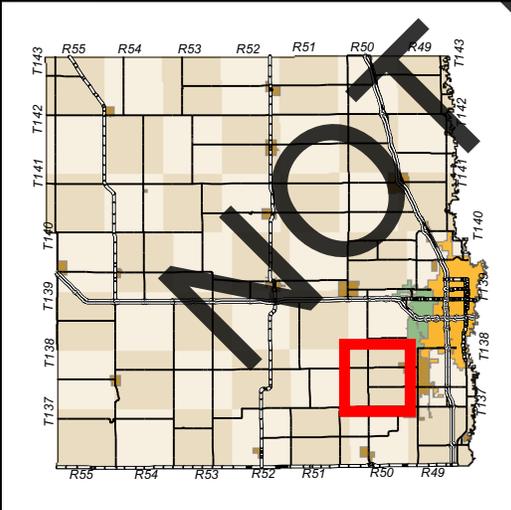
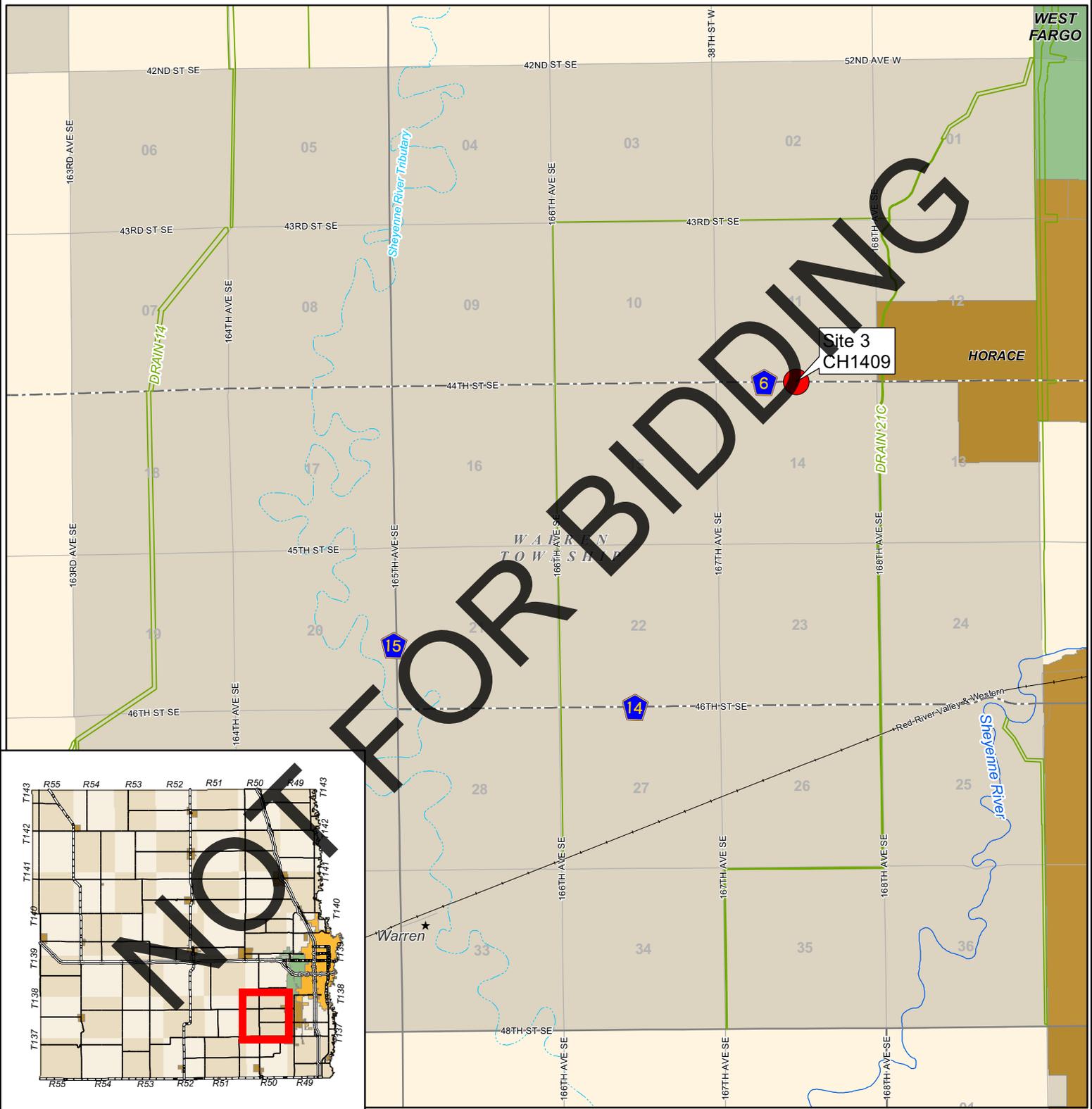
 US Routes

 State

 County

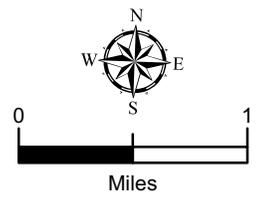


CASS COUNTY HIGHWAY DEPARTMENT COUNTY PROJECT CH1409 - STRUCTURE REPLACEMENT Sections 11/14 WARREN TOWNSHIP

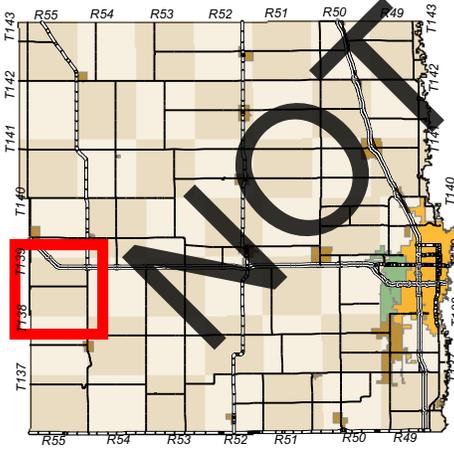
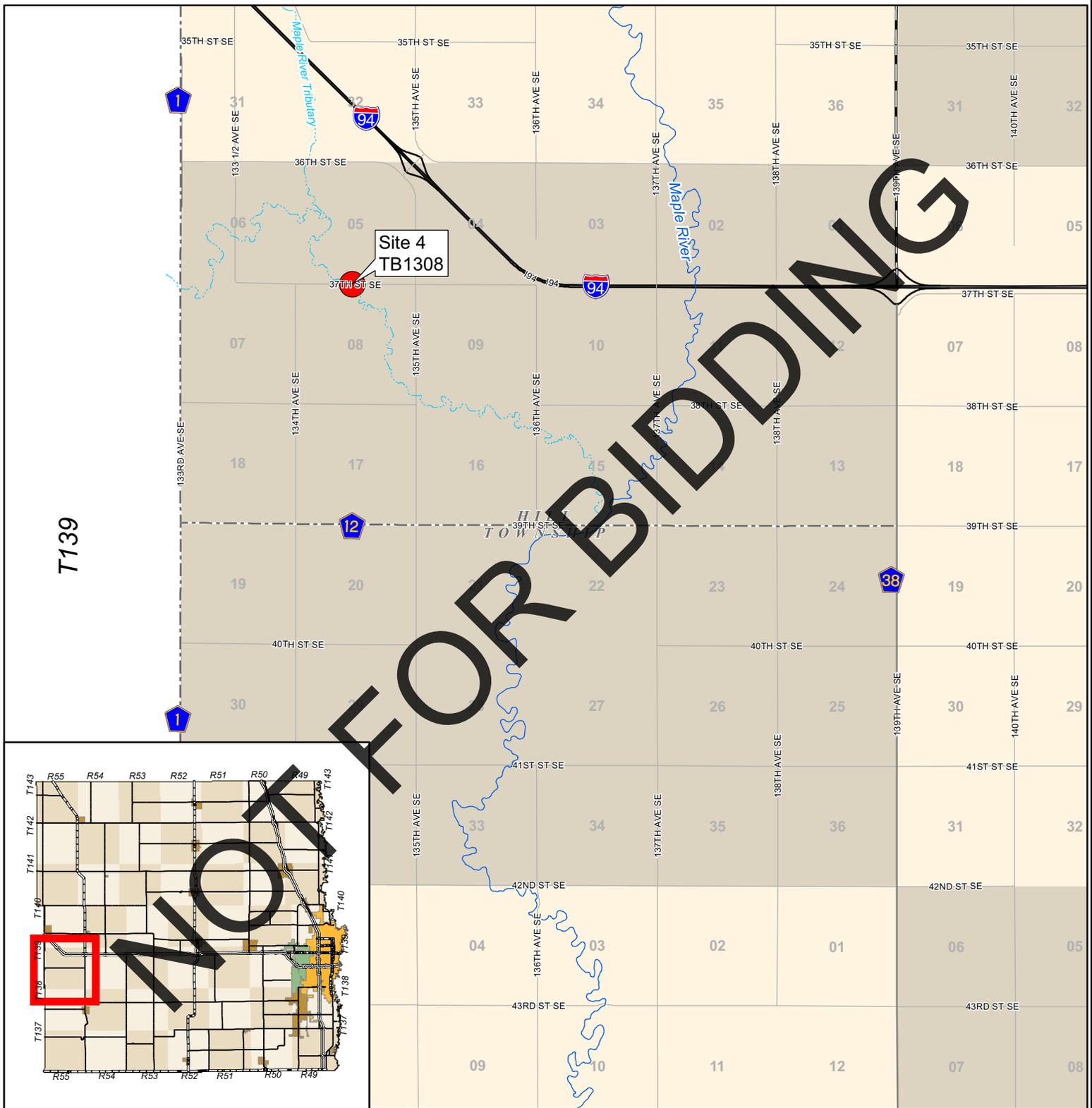


Prepared by
Cass County Highway Dept.
January 2014

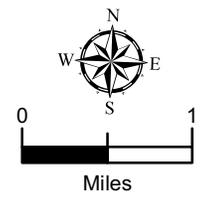
- | | | | | | |
|---|----------------|---|---------------------|---|-------------|
|  | Bridge Project |  | Drain/Coulee/Ditch |  | Interstates |
|  | City Limits |  | Perennial Stream |  | US Routes |
|  | FARGO |  | Intermittent Stream |  | State |
|  | WEST FARGO | | |  | County |

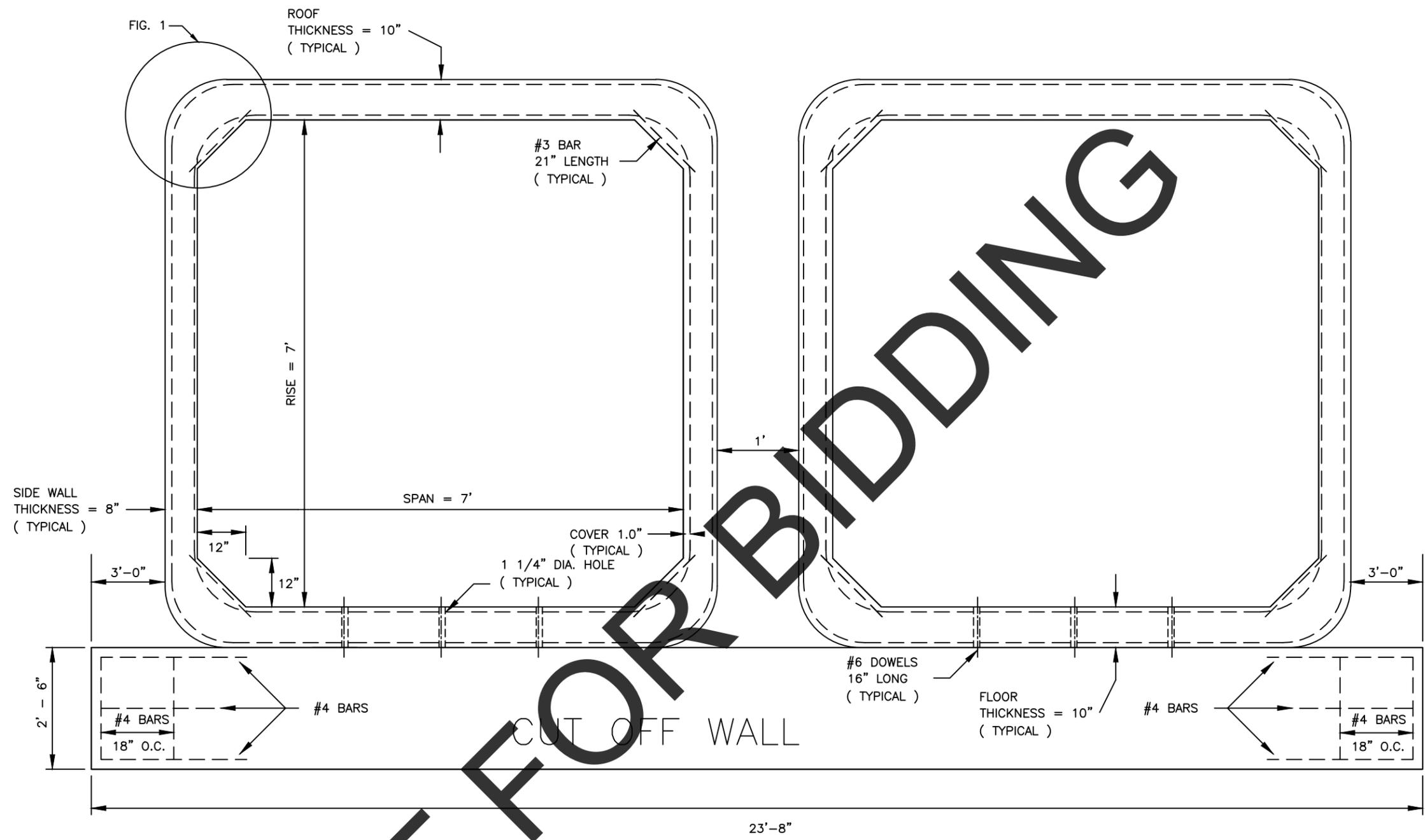


**CASS COUNTY HIGHWAY DEPARTMENT
 COUNTY PROJECT TB1308 - STRUCTURE REPLACEMENT
 Sections 5/8 HILL TOWNSHIP - TRIBUTARY OF MAPLE RIVER**



- Bridge Project
- City Limits
- FARGO
- WEST FARGO
- Drain/Coulee/Ditch
- Perennial Stream
- Intermittent Stream
- Interstates
- US Routes
- State
- County





- NOT FOR BIDDING
- NOTES: 1. SECTIONS SHALL BE FASTENED USING TIE BARS.
 2. AREA OF STEEL UNITS ARE IN SQ. IN. PER FT. ALL LARS SHALL BE 14" UNLESS OTHERWISE STATED. REINFORCING SHALL MEET AASHTO M-55, AND SHALL BE GRADE 60. IF WELDED WIRE FABRIC IS USED, IT SHALL HAVE A YIELD STRENGTH OF 65,000 POUNDS PER SQUARE INCH.
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 4. FLOOR HOLES ARE FOR ATTACHMENT TO CUT OFF WALL AND SHOULD BE USED AT END SECTIONS ONLY.

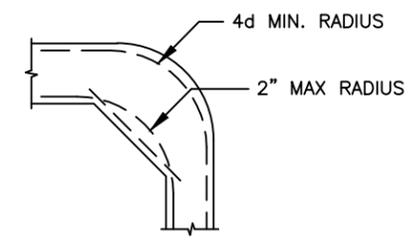
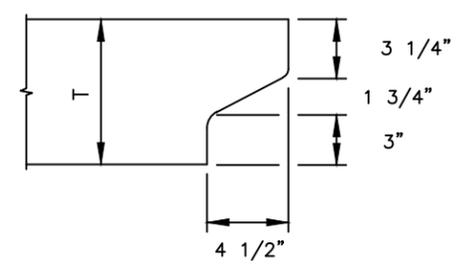


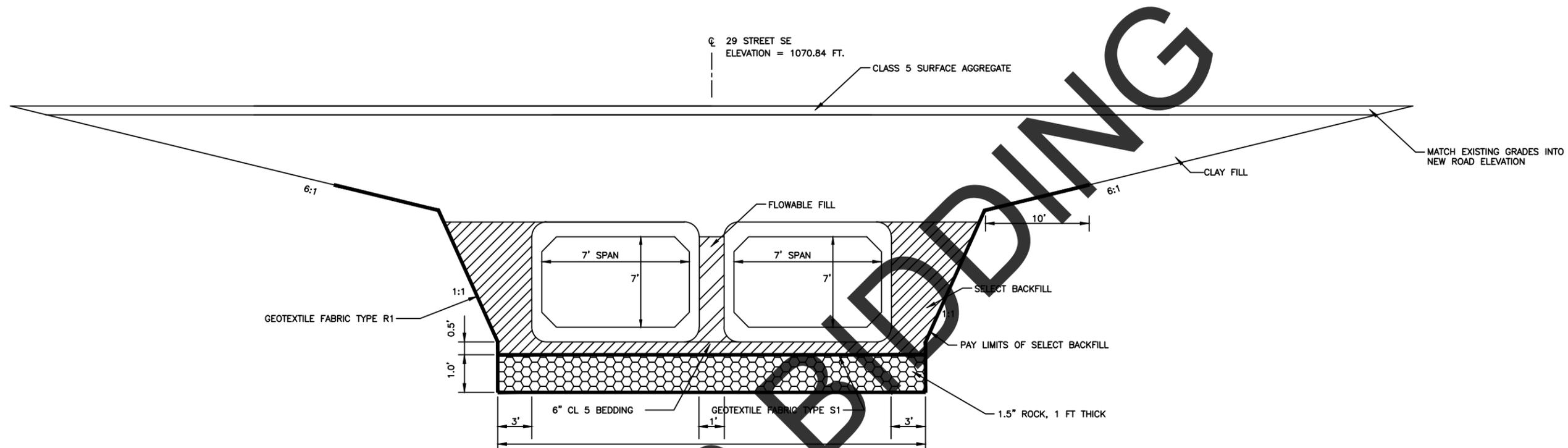
FIGURE 1



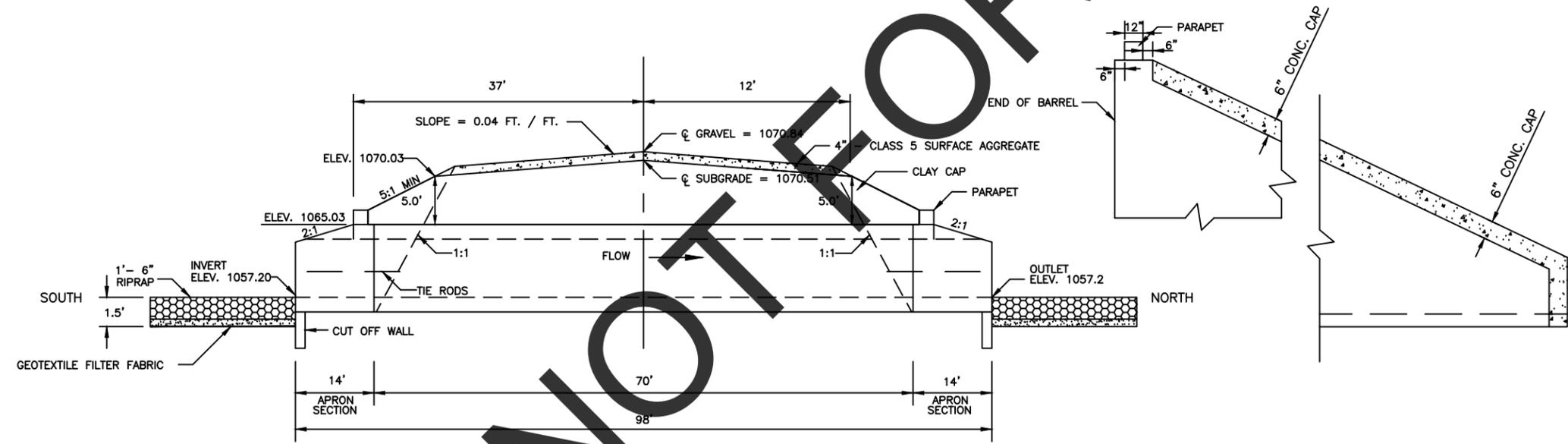
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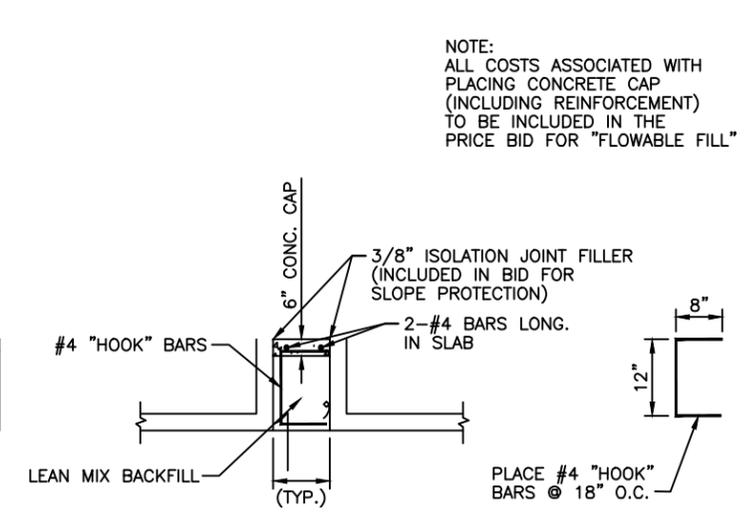
CASS COUNTY HIGHWAY DEPARTMENT
 SITE 1 - PROJECT NO. TB1305
 BOX CULVERT DETAILS
 SHEET 1 OF 4



END VIEW
NOT TO SCALE



SIDE VIEW
NOT TO SCALE

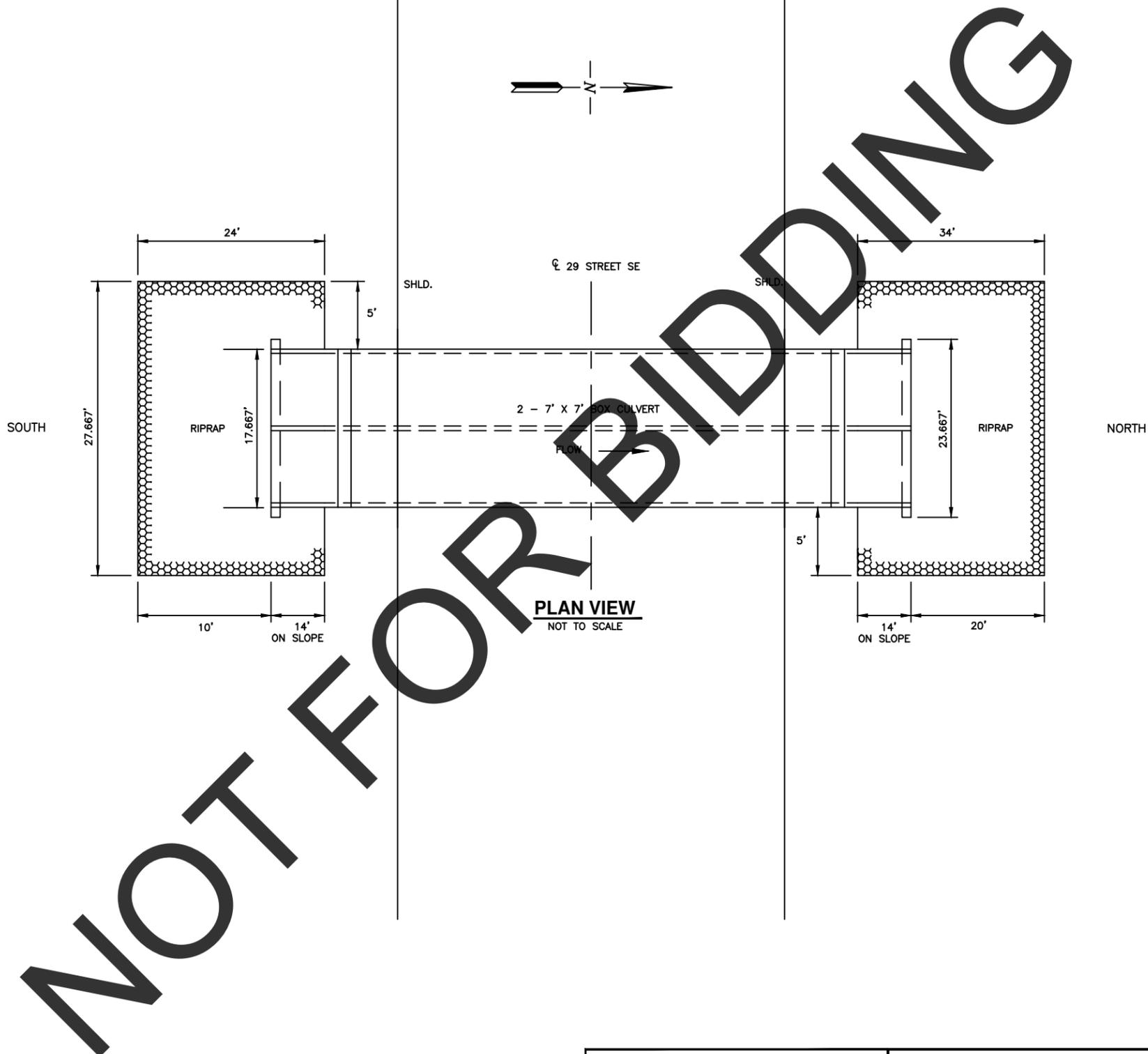


CONCRETE CAP DETAILS
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NOTE:
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CASS COUNTY HIGHWAY DEPARTMENT
SITE 1 – PROJECT NO. TB1305
BOX CULVERT DETAILS
SHEET 2 OF 4



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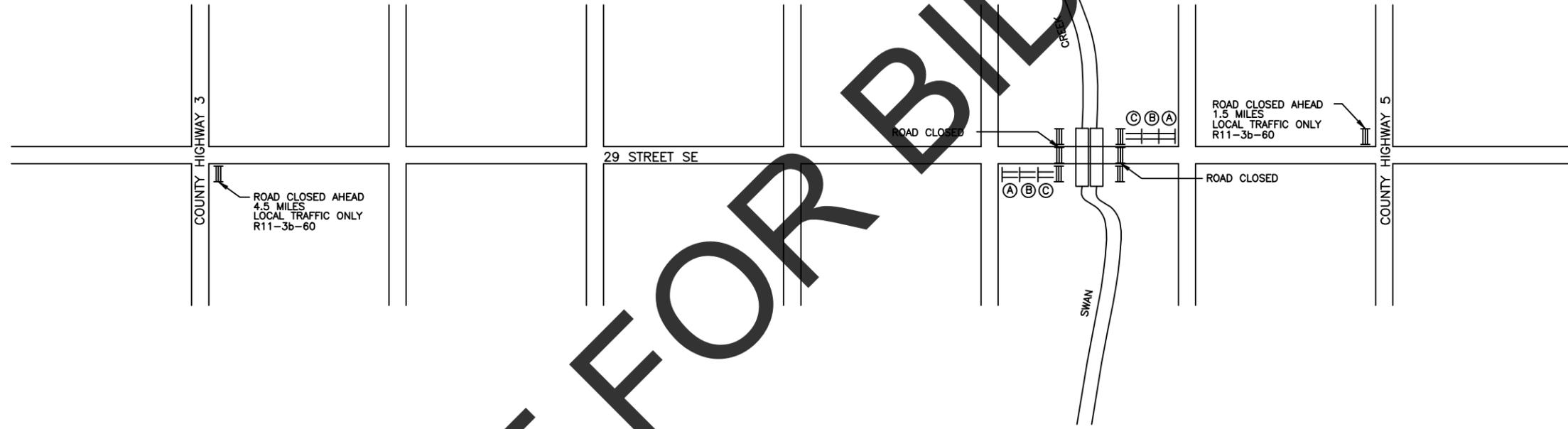
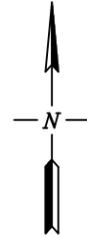
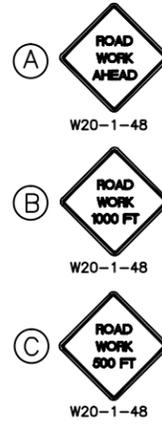
CASS COUNTY HIGHWAY DEPARTMENT
SITE 1 – PROJECT NO. TB1305
BOX CULVERT DETAILS
SHEET 3 OF 4

TRAFFIC CONTROL LEGEND

⇒ POST-MOUNTED SIGN

||| TYPE III BARR.

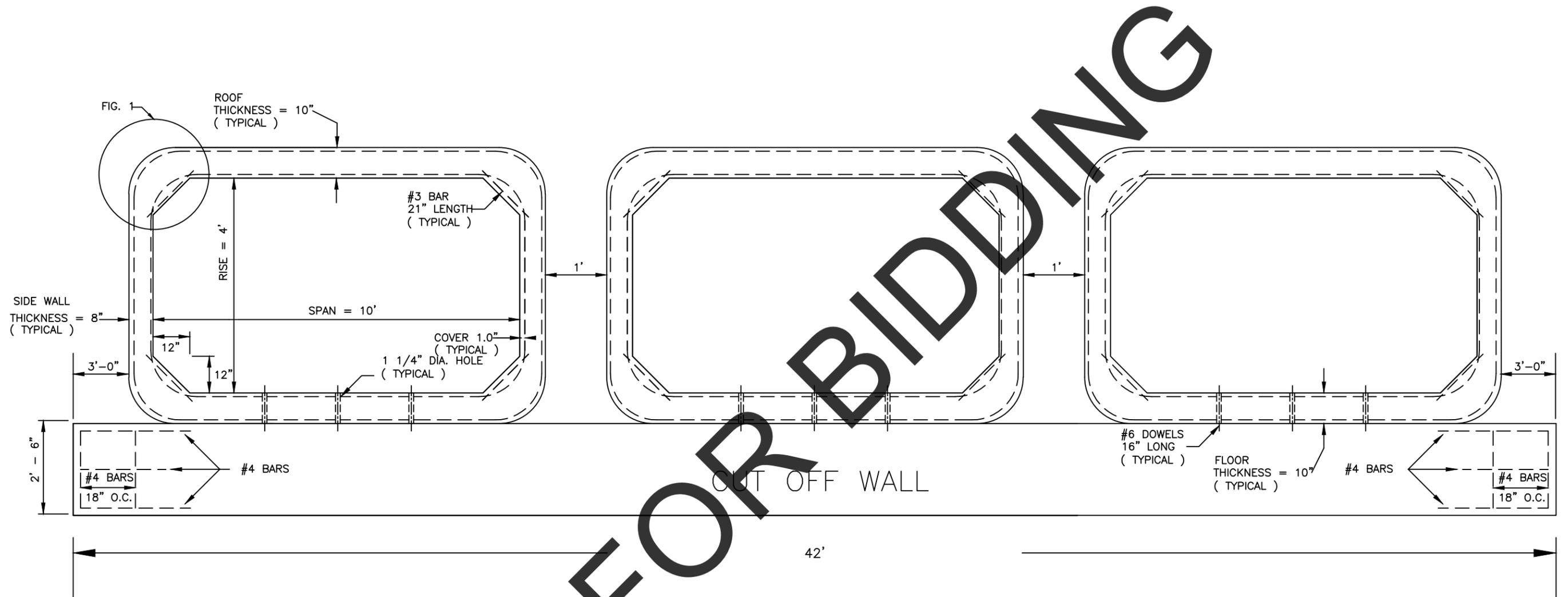
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CASS COUNTY HIGHWAY DEPARTMENT
SITE 1 – PROJECT NO. TB1305
TRAFFIC CONTROL LAYOUT
SHEET 4 OF 4



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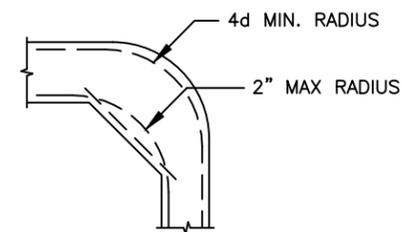
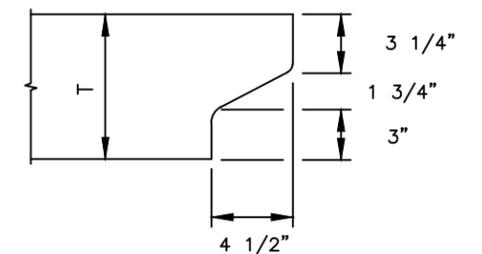


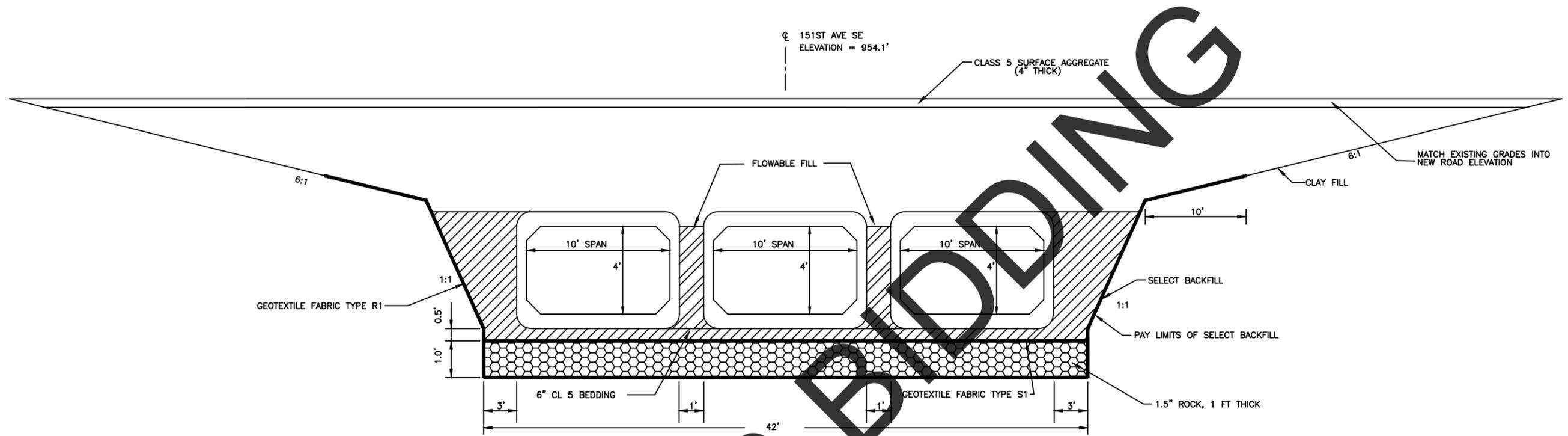
FIGURE 1



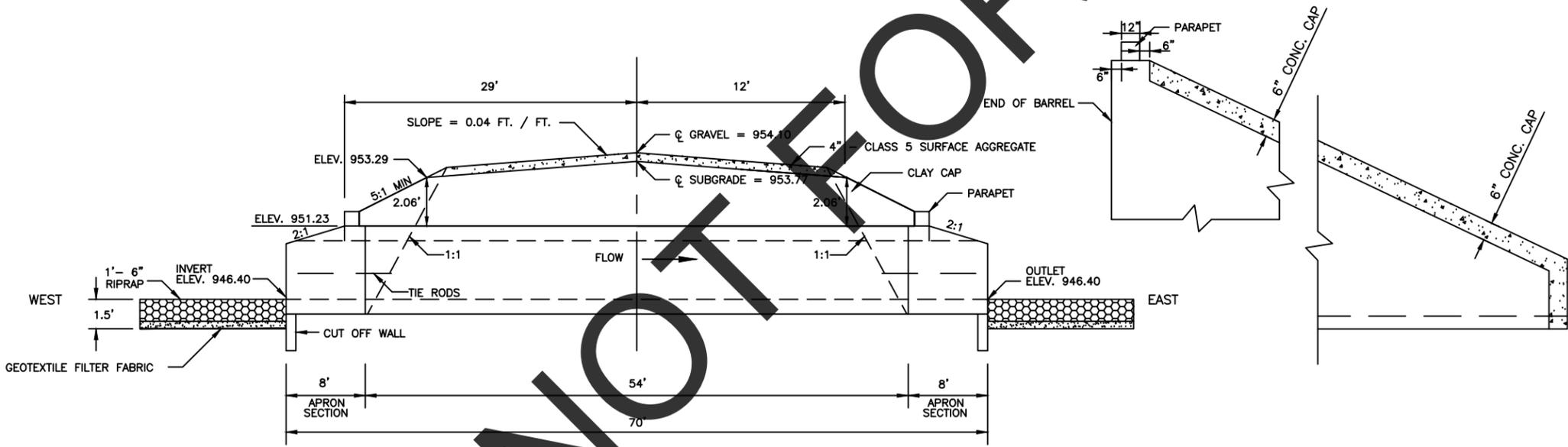
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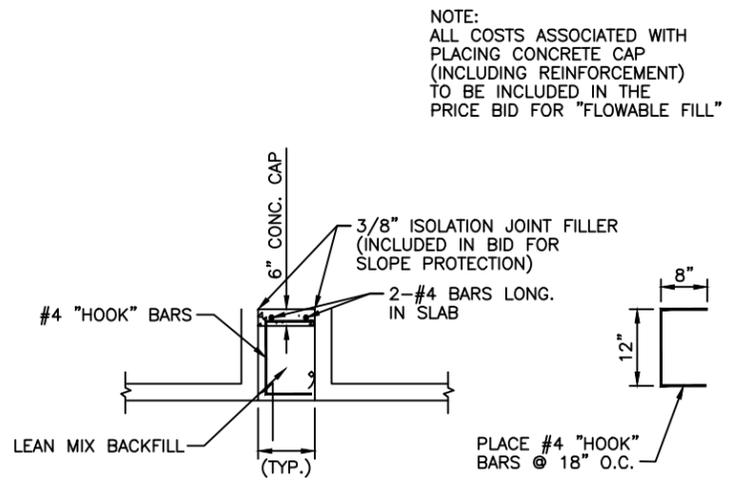
CASS COUNTY HIGHWAY DEPARTMENT
SITE 2 - PROJECT NO. TB1320
BOX CULVERT DETAILS
SHEET 1 OF 4



END VIEW
NOT TO SCALE



SIDE VIEW
NOT TO SCALE



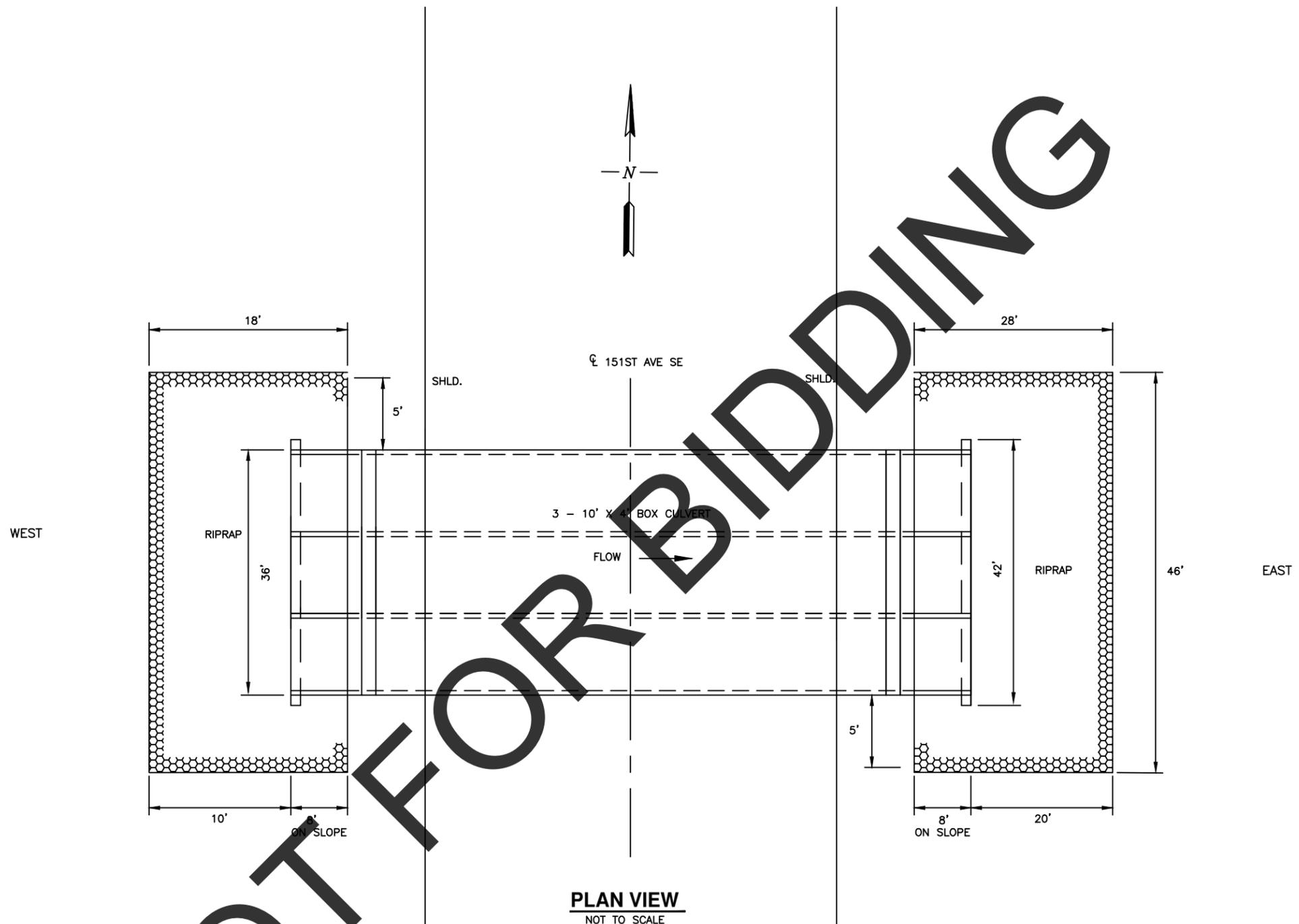
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SITE 2 – PROJECT NO. TB1320
BOX CULVERT DETAILS
SHEET 2 OF 4

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CASS COUNTY HIGHWAY DEPARTMENT
SITE 2 - PROJECT NO. TB1320
BOX CULVERT DETAILS
SHEET 3 OF 4

TRAFFIC CONTROL LEGEND

≡ POST-MOUNTED SIGN

≡ TYPE III BARR.

NOT TO SCALE



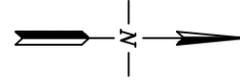
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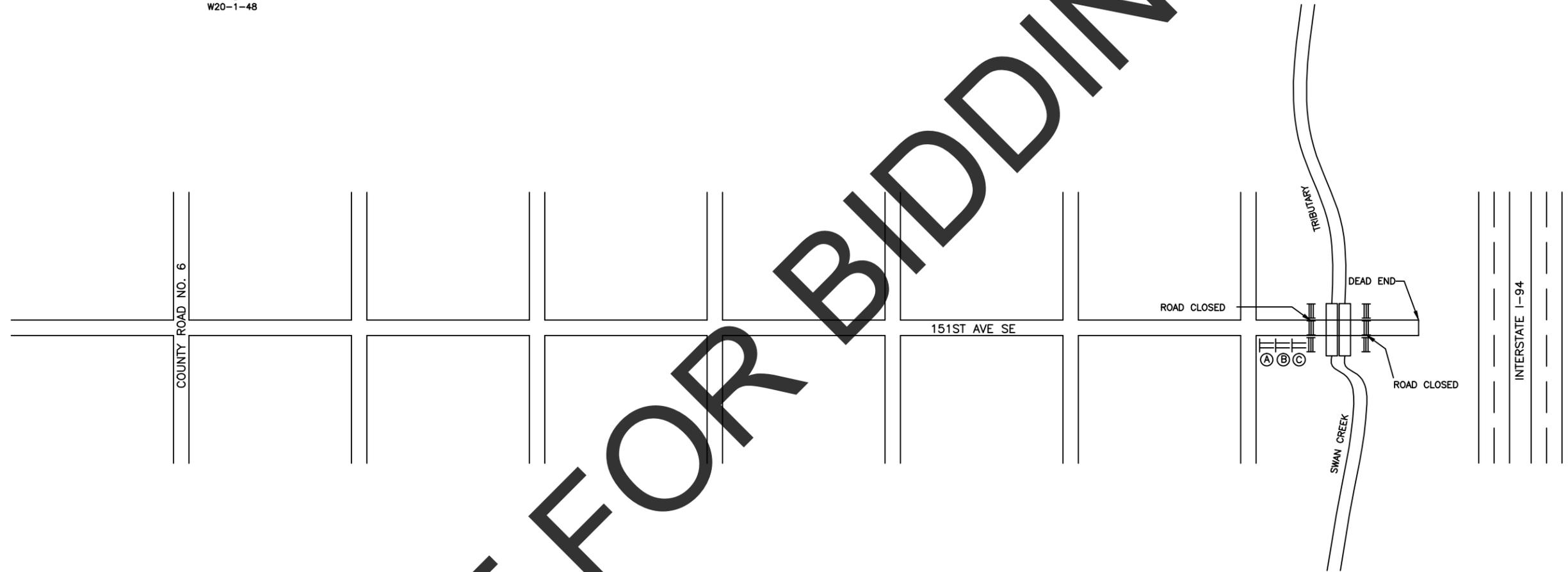
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W20-1-48

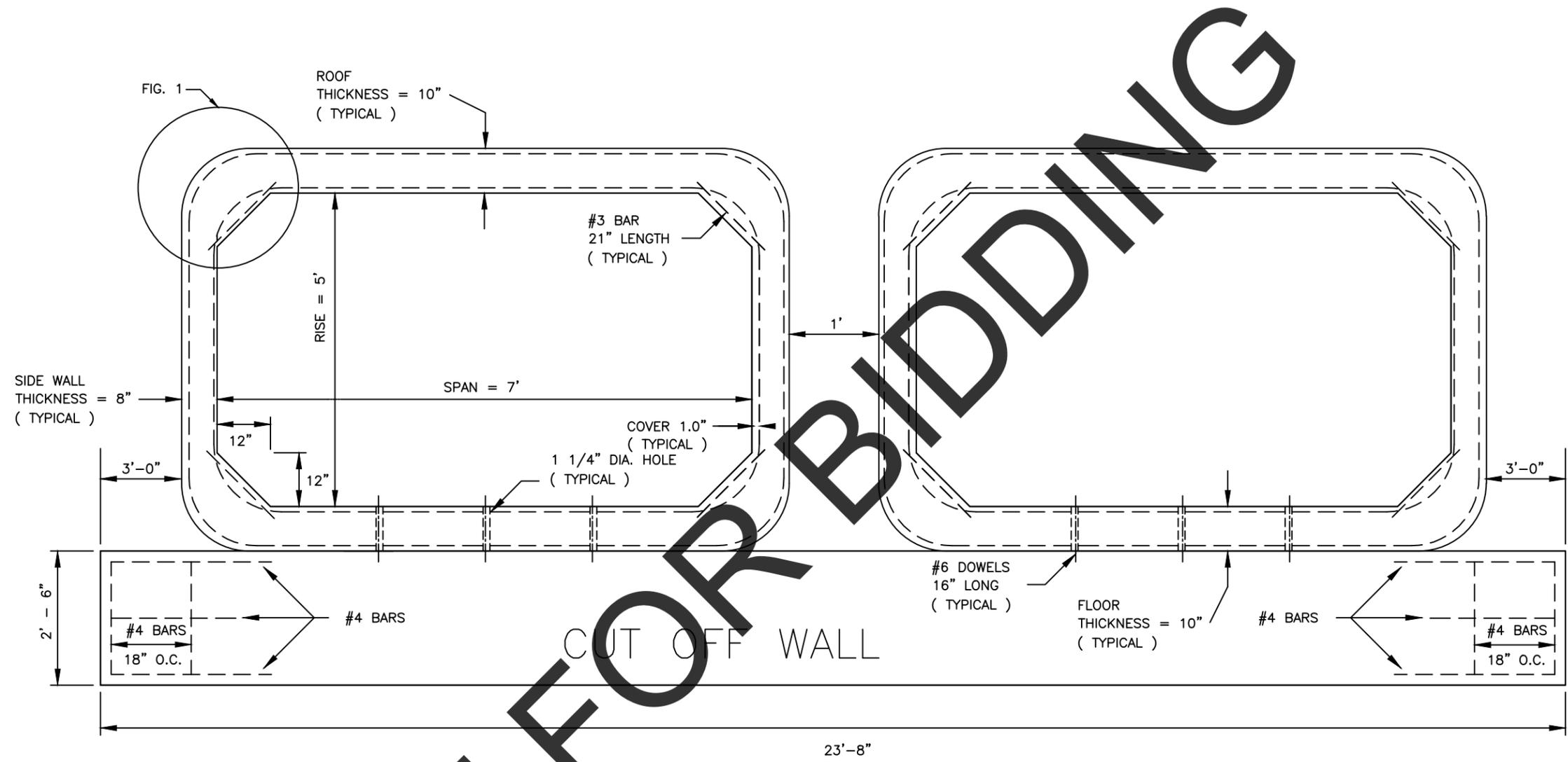


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CASS COUNTY HIGHWAY DEPARTMENT SITE 2 - PROJECT NO. TB1320 TRAFFIC CONTROL LAYOUT SHEET 4 OF 4



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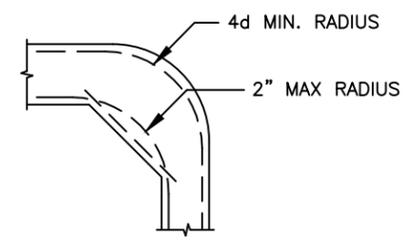
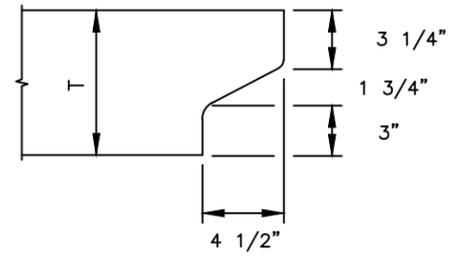


FIGURE 1

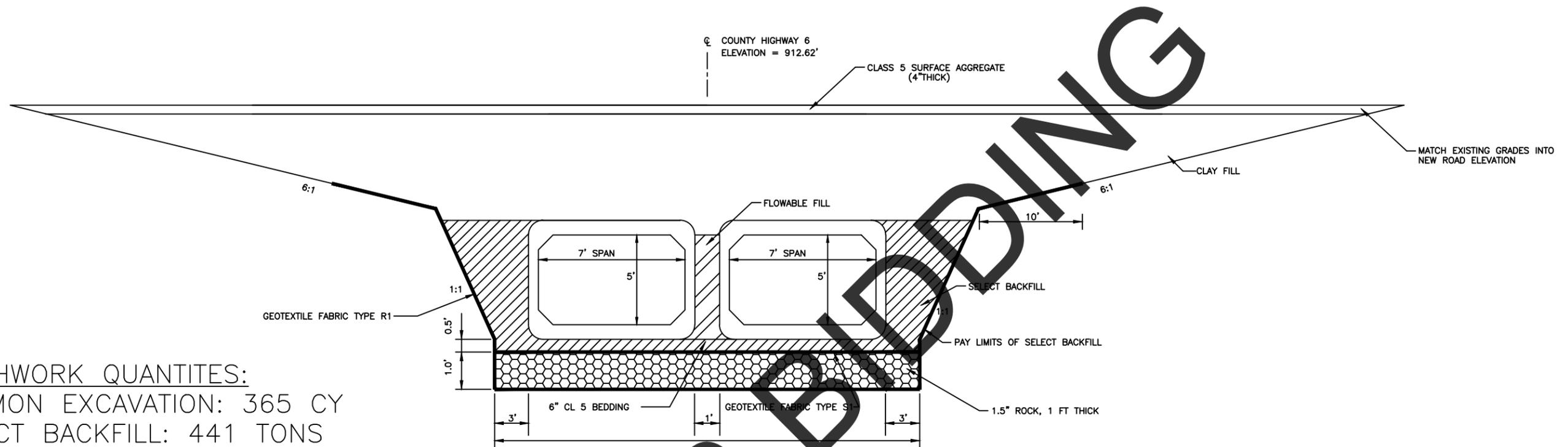


JOINT DETAIL

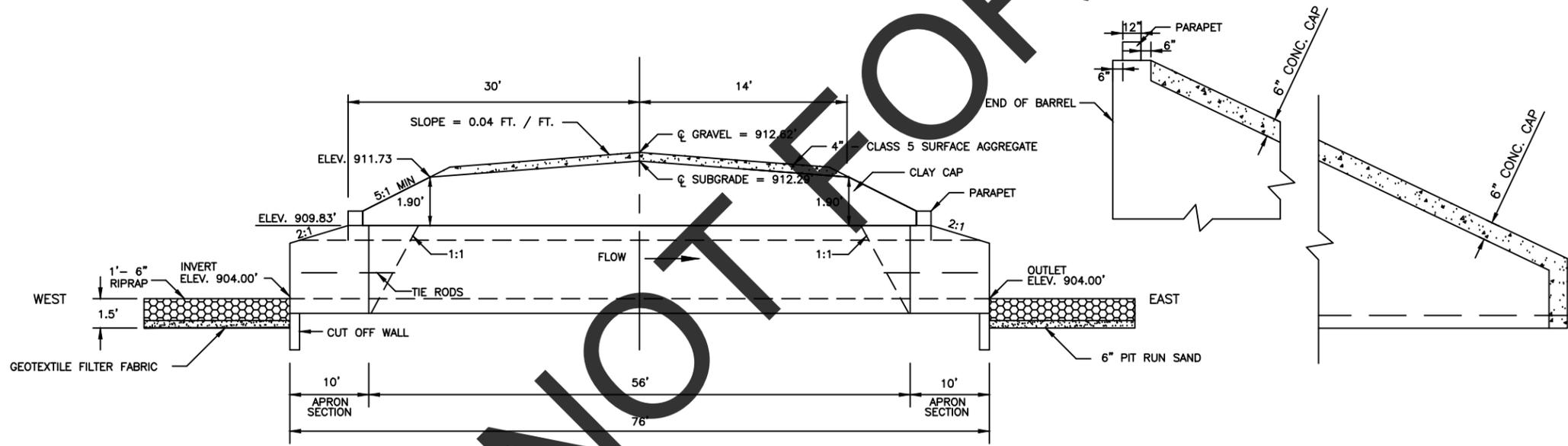
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CASS COUNTY HIGHWAY DEPARTMENT
 SITE 3 - PROJECT NO. CH1409
 BOX CULVERT DETAILS
 SHEET 1 OF 6

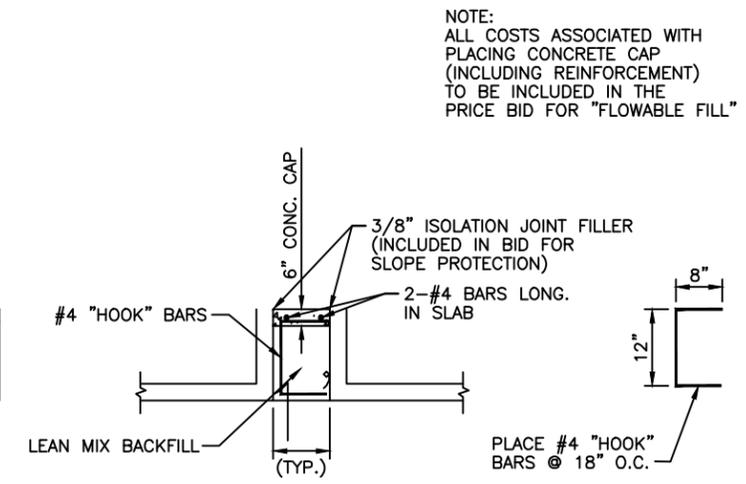
EARTHWORK QUANTITIES:
 COMMON EXCAVATION: 365 CY
 SELECT BACKFILL: 441 TONS
 RIPRAP – LOOSE ROCK: 57 CY



END VIEW
 NOT TO SCALE



SIDE VIEW
 NOT TO SCALE



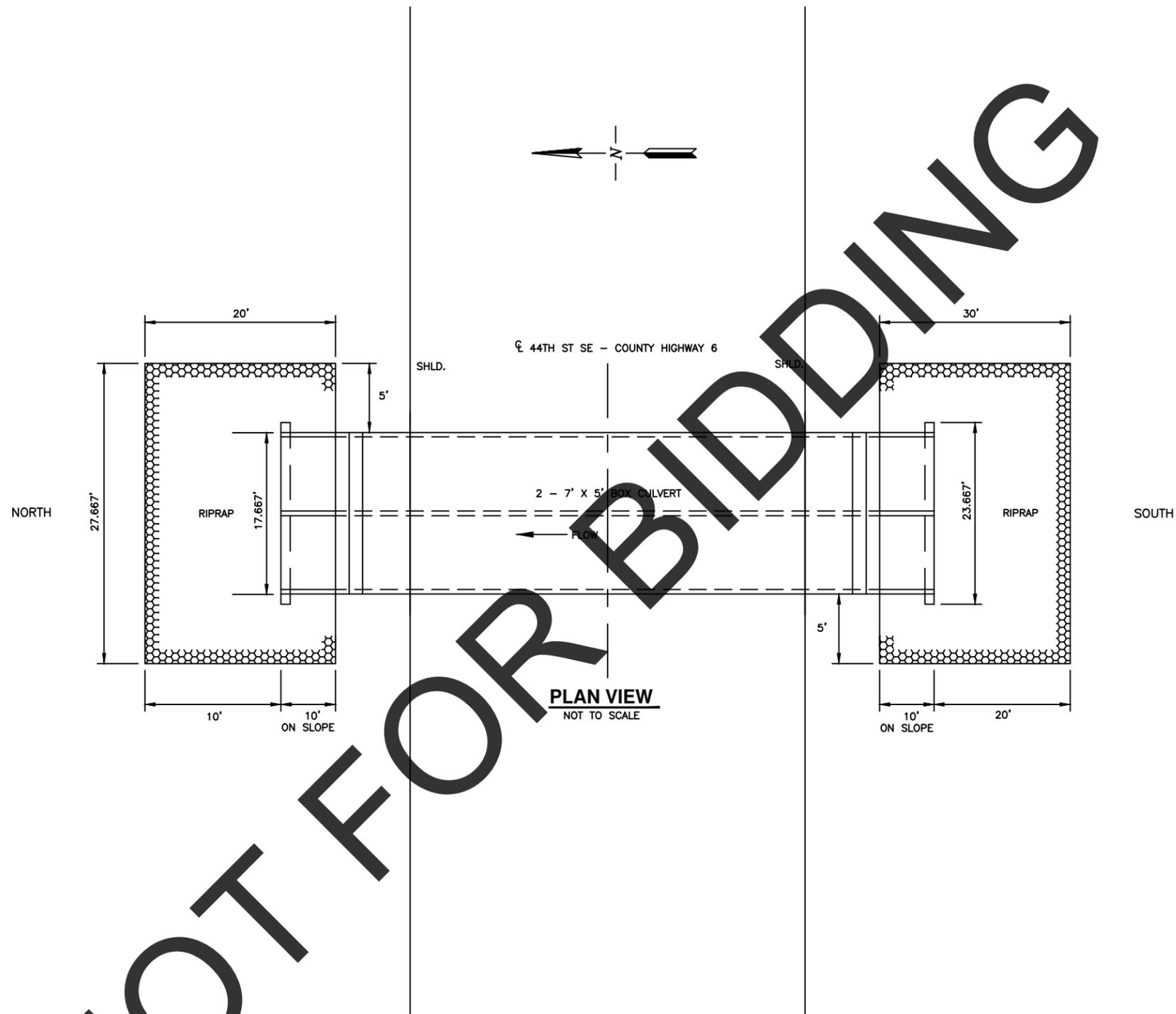
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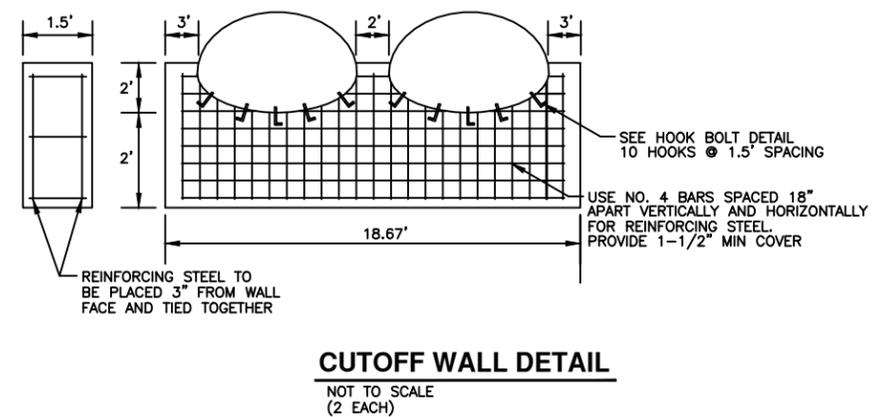
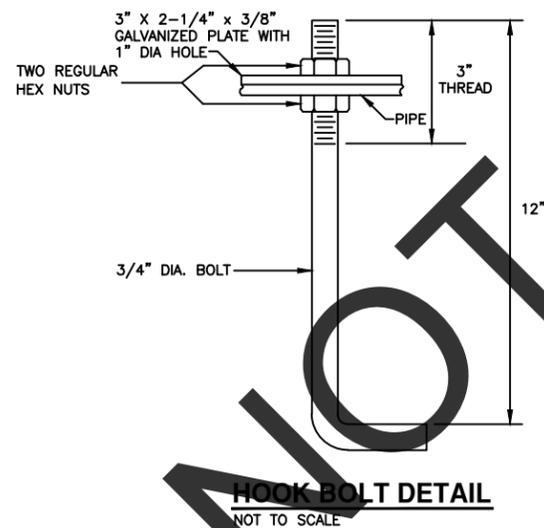
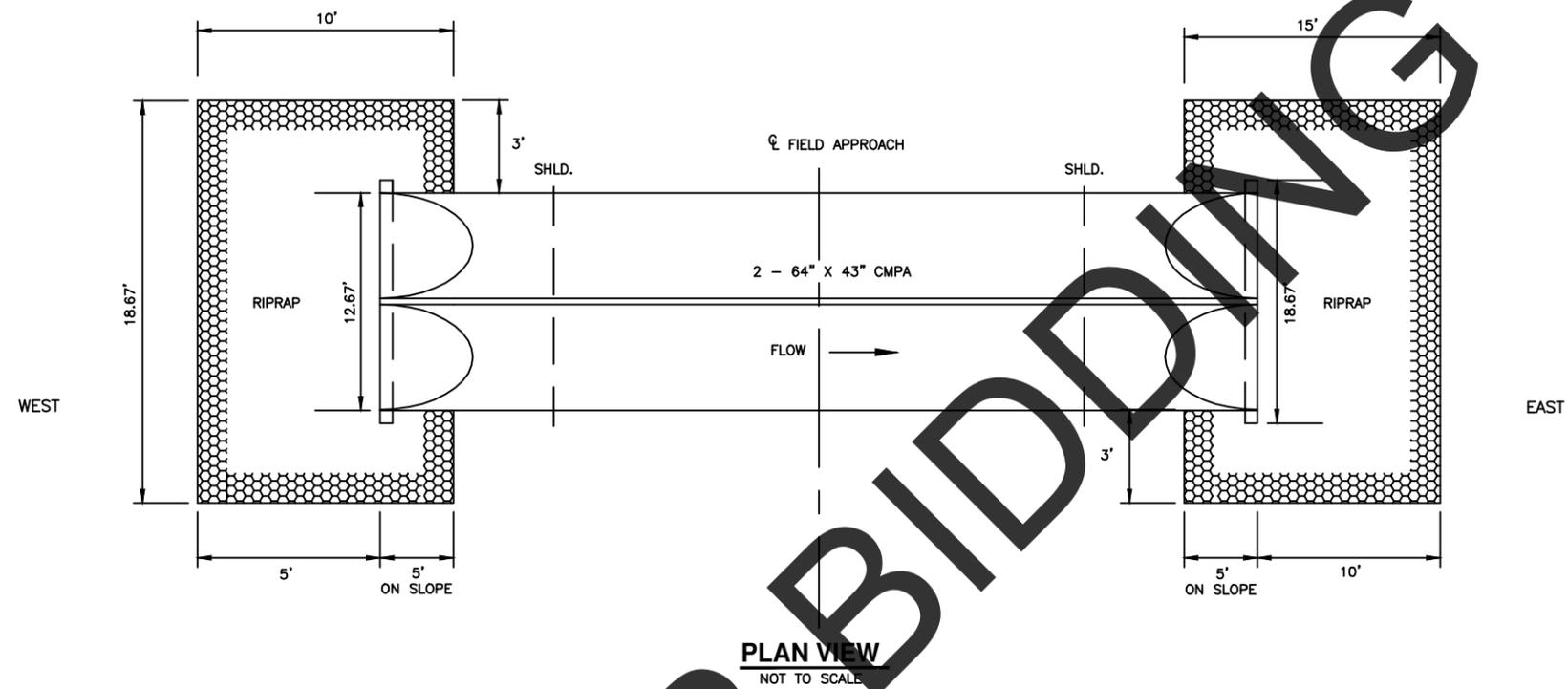
CASS COUNTY HIGHWAY DEPARTMENT
 SITE 3 – PROJECT NO. CH1409
 BOX CULVERT DETAILS
 SHEET 2 OF 6

NOT FOR BIDDING



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SITE 3 - PROJECT NO. CH1409
BOX CULVERT DETAILS
SHEET 3 OF 6



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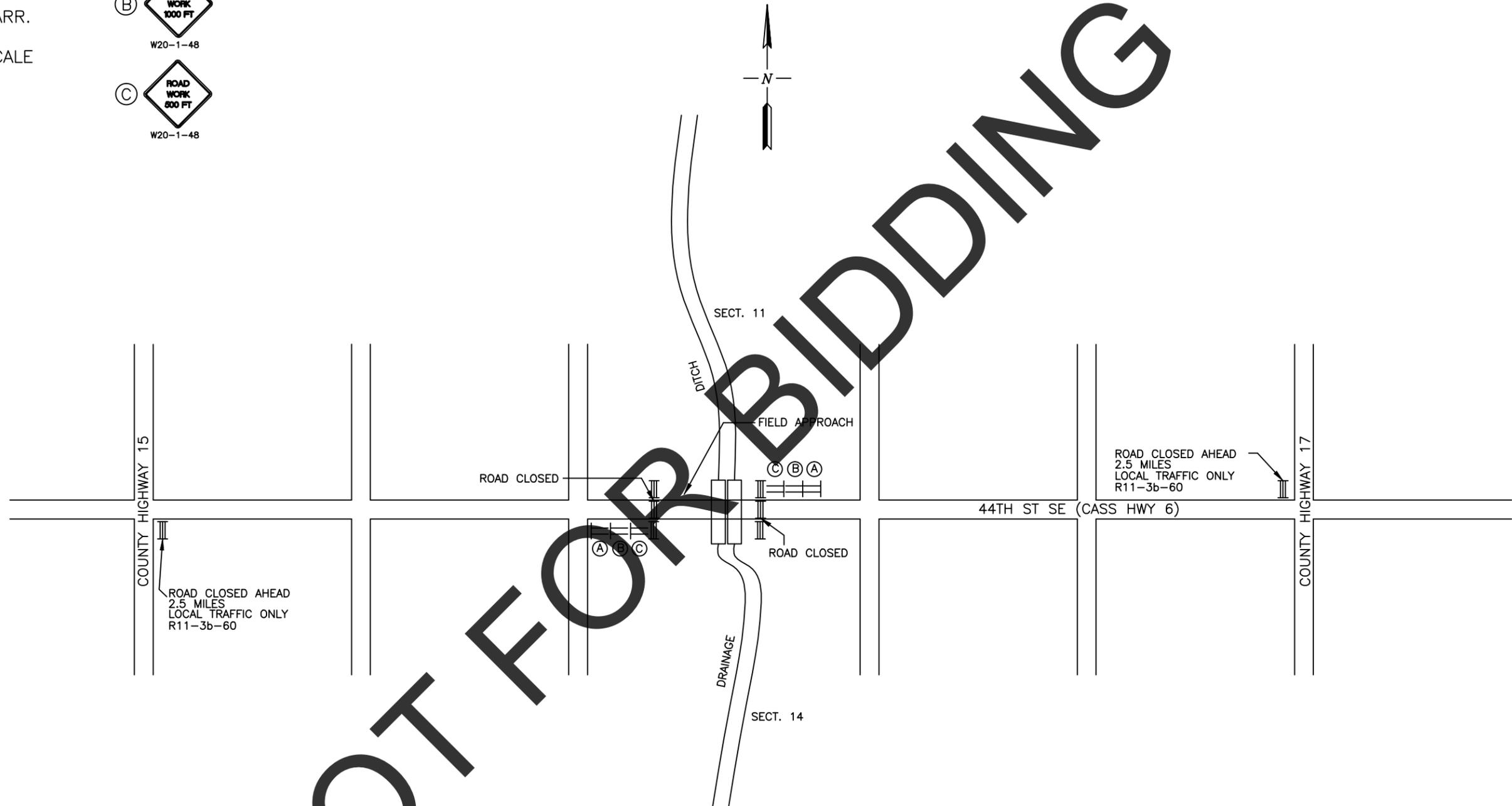
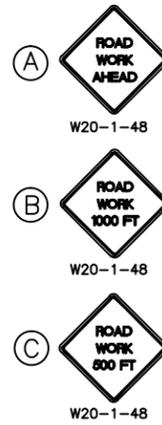
CASS COUNTY HIGHWAY DEPARTMENT
 SITE 3 - PROJECT NO. CH1409
 CULVERT DETAILS
 SHEET 5 OF 6

TRAFFIC CONTROL LEGEND

⇨ POST-MOUNTED SIGN

III TYPE III BARR.

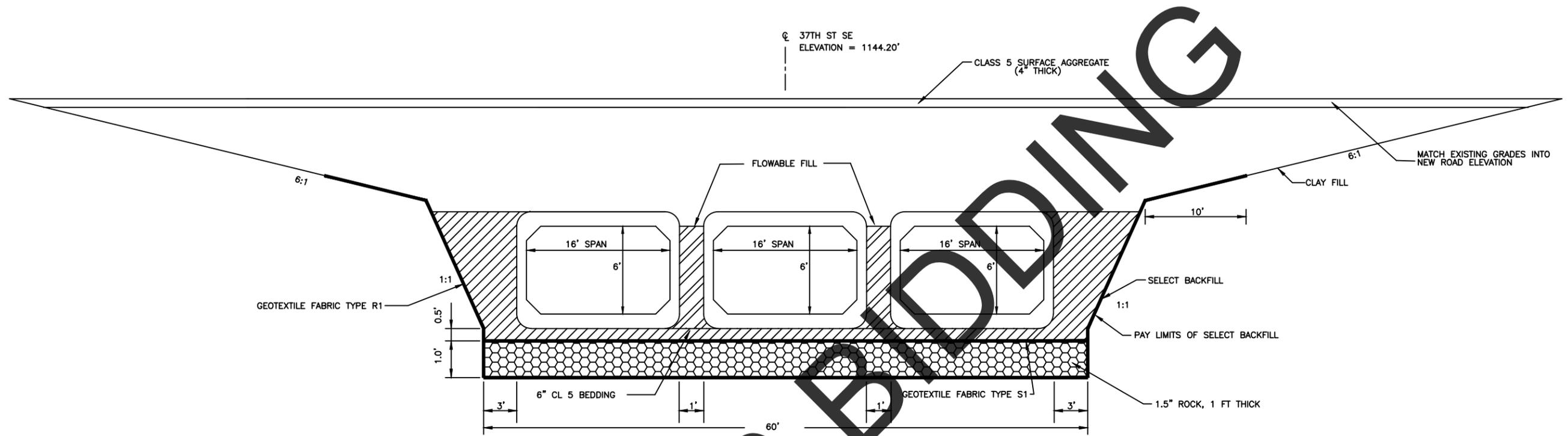
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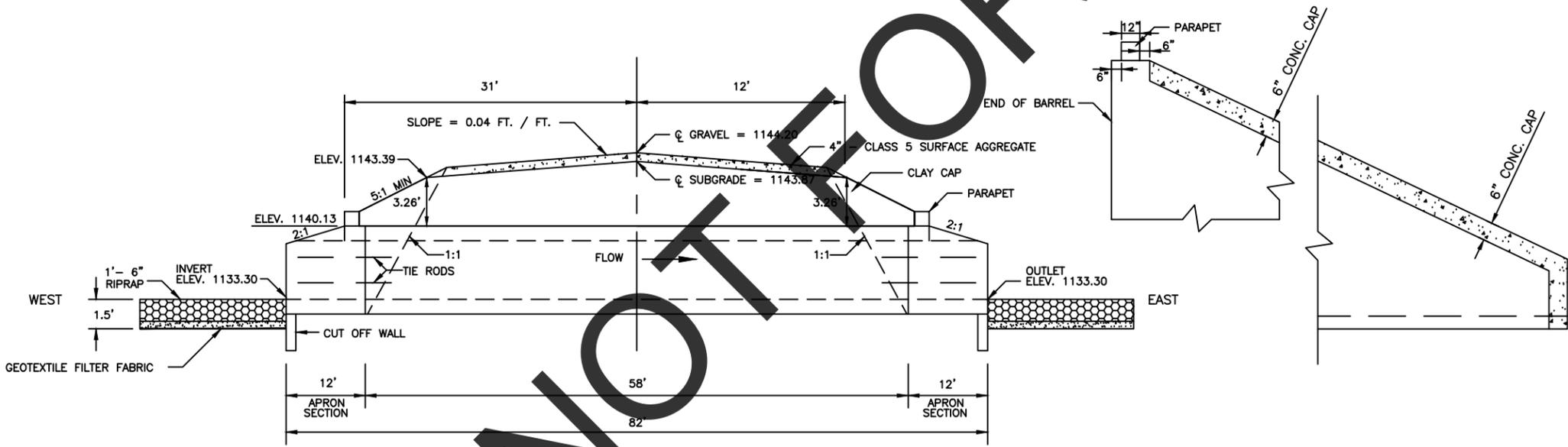
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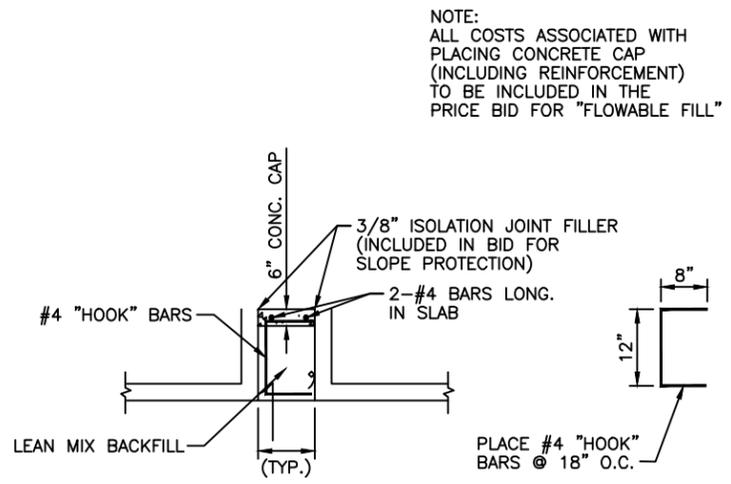
CASS COUNTY HIGHWAY DEPARTMENT
SITE 3 - PROJECT NO. CH1409
TRAFFIC CONTROL LAYOUT
SHEET 6 OF 6



END VIEW
NOT TO SCALE



SIDE VIEW
NOT TO SCALE

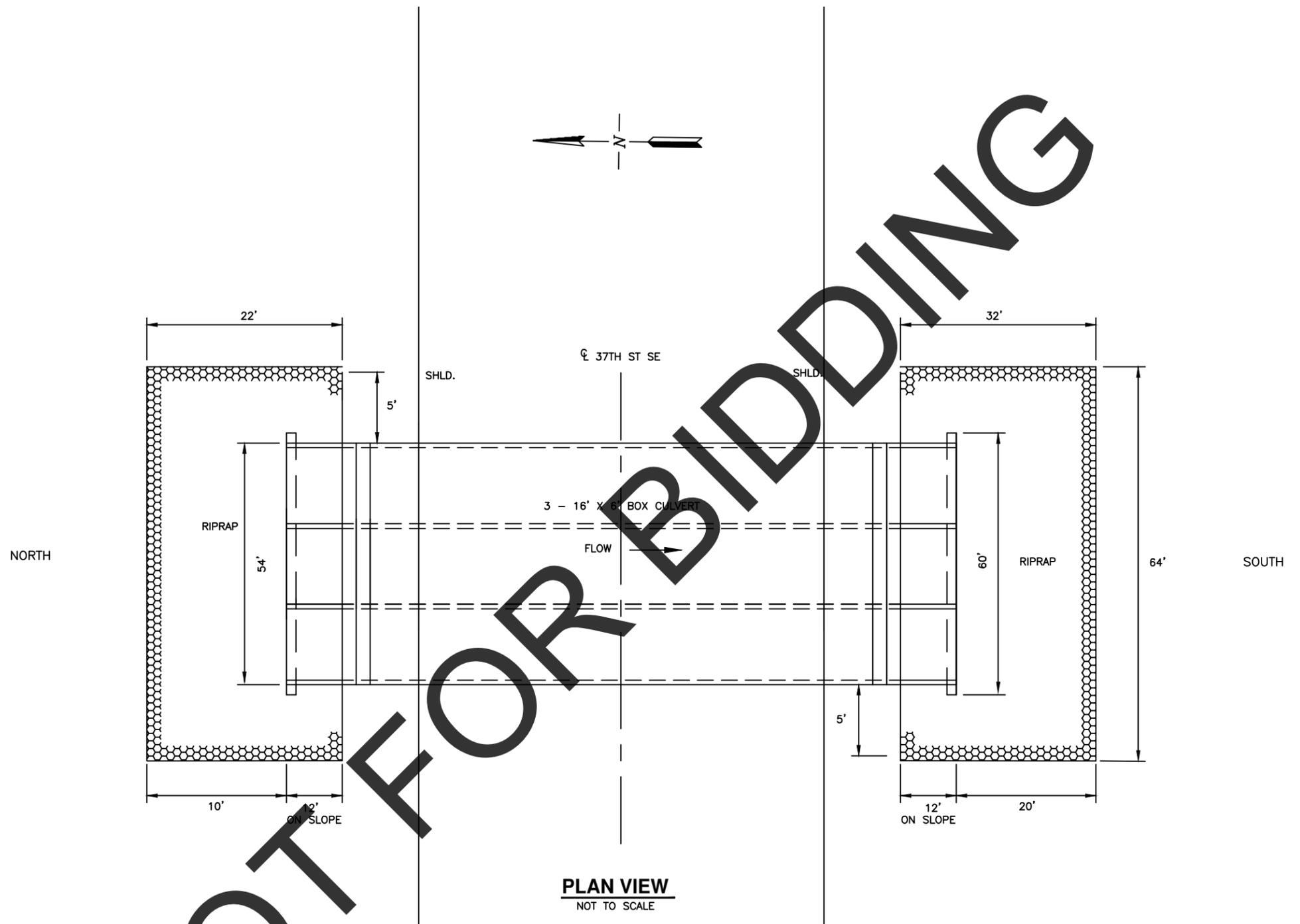


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CASS COUNTY HIGHWAY DEPARTMENT
SITE 4 -PROJECT NO. TB1308
BOX CULVERT DETAILS
SHEET 2 OF 4

NOT FOR BIDDING



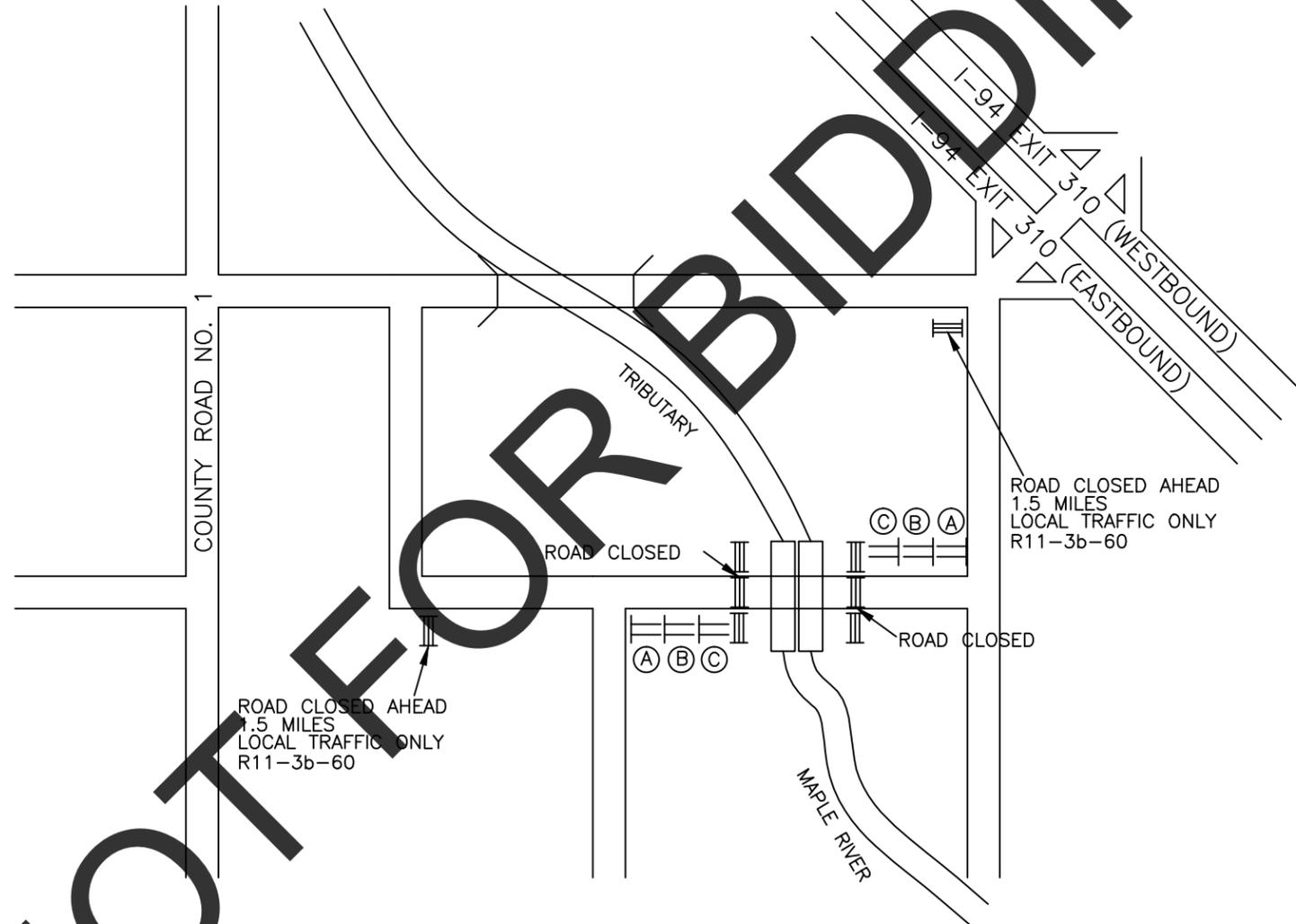
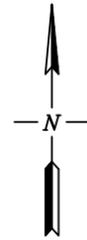
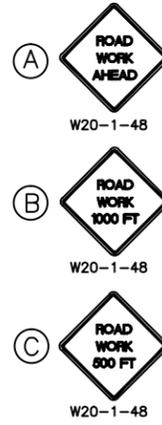
CASS COUNTY HIGHWAY DEPARTMENT
SITE 4 -PROJECT NO. TB1308
BOX CULVERT DETAILS
SHEET 3 OF 4

TRAFFIC CONTROL LEGEND

⇒ POST-MOUNTED SIGN

III TYPE III BARR.

NOT TO SCALE



CASS COUNTY HIGHWAY DEPARTMENT
 SITE 4 -PROJECT NO. TB1308
 TRAFFIC CONTROL LAYOUT
 SHEET 4 OF 4