

ADDENDUM No. 1

SPECIFICATIONS AND CONTRACT DOCUMENTS

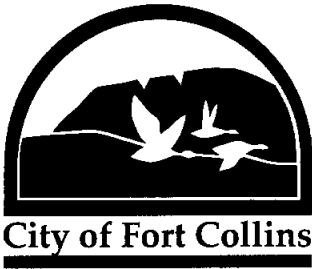
Description of Bid: 5892 Arthur Ditch Concrete Box Culvert

OPENING DATE: 2:00 P.M. December 21, 2004

To all prospective bidders under the specifications and contract documents described above, the following changes are hereby made.

1. Lineal foot price for the precast concrete box culvert shall include delivery costs.
2. Wire mesh shall be used for the reinforcing agent for the precast culvert sections as opposed to epoxy coated steel.

RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED BY A WRITTEN STATEMENT ENCLOSED WITH THE BID/QUOTE STATING THAT THIS ADDENDUM HAS BEEN RECEIVED.



Administrative Services

Purchasing Division

CITY OF FORT COLLINS

INVITATION TO BID

BID # 5892

Arthur Ditch Concrete Box Culvert

BID OPENING: 2:00 P.M. (our clock), December 21, 2004

Sealed bids will be received and publicly opened at the office of the Director of Purchasing and Risk Management, PO Box 580, 215 North Mason St., 2nd floor, Fort Collins, Colorado 80522, at the time and date noted on the bid proposal and/or contract documents. If delivered, they are to be sent to 215 North Mason Street, 2nd Floor, Fort Collins, Colorado 80524. If mailed, the address is P.O. Box 580, Fort Collins, 80522-0580.

Bids must be received at the Purchasing Office prior to 2:00 p.m. (our clock), December 21, 2004.

A copy of the Bid may be obtained as follows:

1. Download the Bid from the Purchasing Webpage, Current Bids page, at: www.fcgov.com/purchasing.
2. Come by Purchasing at 215 North Mason St., 2nd floor, Fort Collins, and request a copy of the Bid.

Special Instructions

All bids must be properly signed by an authorized representative of the company with the legal capacity to bind the company to the agreement. Bids may be withdrawn up to the date and hour set for closing. Once bids have been accepted by the City and closing has occurred, failure to enter into contract or honor the purchase order will be cause for removal of supplier's name from the City of Fort Collins' bidders list for a period of twelve months from the date of the opening. The City may also pursue any remedies available at law or in equity. Bid prices must be held firm for a period of forty-five (45) days after bid openings.

Submission of a bid is deemed as acceptance of all terms, conditions and specifications contained in the City's specifications initially provided to the bidder. Any proposed modification must be accepted in writing by the City prior to award of the bid.

Only bids properly received by the Purchasing Office will be accepted. All bids should be clearly identified by the bid number and bid name contained in the bid proposal.

No proposal will be accepted from, or any purchase order awarded, to any person, firm or corporation in default on any obligation to the City.

Bids must be furnished exclusive of any federal excise tax, wherever applicable.

Bidders must be properly licensed and secure necessary permits wherever applicable.

09/12/01

Bidders not responding to this bid will be removed from our automated vendor listing for the subject commodities.

The City may elect where applicable, to award bids on an individual item/group basis or on a total bid basis, whichever is most beneficial to the City. The City reserves the right to accept or reject any and all bids, and to waive any irregularities or informalities.

Sales prohibited/conflict of interest: no officer, employee, or member of City Council, shall have a financial interest in the sale to the City of any real or personal property, equipment, material, supplies or services where such officer or employee exercises directly or indirectly any decision-making authority concerning such sale or any supervisory authority over the services to be rendered.

This rule also applies to subcontracts with the City. Soliciting or accepting any gift, gratuity, favor, entertainment, kickback or any items of monetary value from any person who has or is seeking to do business with the City of Fort Collins is prohibited.

Freight terms: unless otherwise noted, all freight is F.O.B. Destination, Freight Prepaid. All freight charges must be included in prices submitted on proposal.

Discounts: any discounts allowed for prompt payment, etc., must be reflected in bid figures and not entered as separate pricing on the proposal form.

Purchasing restrictions: your authorized signature of this bid assures your firm's compliance with the City's purchasing restrictions. A copy of the resolutions is available for review in the Purchasing Office or the City Clerk's Office. Request Resolution 91-121 for cement restrictions.

Collusive or sham bids: any bid deemed to be collusive or a sham bid will be rejected and reported to authorities as such. Your authorized signature of this bid assures that such bid is genuine and is not a collusive or sham bid.

Bid results: for information regarding results for individual bids send a self-addressed, self-stamped envelope and a bid tally will be mailed to you. Bid results will be posted in our office 7 days after the bid opening.



James B. O'Neill II, CPPO, FNIGP
Director of Purchasing and Risk Management

Description for Concrete Box Culvert Sections

The City of Fort Collins will be replacing approximately 280' of an existing underground irrigation culvert. In order to accomplish this, the City plans on using a set of precast concrete box culverts to replace a majority of this ditch.

The dimensions of the precast sections are 2.5 feet tall (interior dimensions) by 9.0 feet wide (interior dimensions). The thickness of the walls of the precast sections should ideally be 9" but must be built to support an HS-25 loading standard. Epoxy coated steel should be used as the reinforcing agent.

The City plans on transitioning the single culvert ditch into two culverts to reduce the height of the ditch given existing pavement constraints. Therefore, there will be twice as many precast sections needed. The total distance of precast sections needed is 480 lineal feet (2 x 240' - the actual distance the sections will cover). As can be seen from the attached drawings, the two boxes will sit side by side, separated by 1". The following table summarizes the precast sections needed:

Interior Height	2.5'
Interior Width	9.0'
Wall Thickness	Ideally 9"
Lineal Foot	480'
Loading Standards	HS-25
Reinforcing	Epoxy Coated Steel

The end pieces of the precast sections will need to be constructed with a smooth face on one side of the section so that concrete tie-ins can be constructed. The boxes should be constructed with lifting holes for ease in placement during construction. Along with the boxes, shop drawings will need to be supplied.

PROJECT SCHEDULE:

The project will be built in two phases. The first phase of the project is scheduled to begin on January 3, 2005 and will require approximately 318 lineal feet of box culvert. The second phase of the project is scheduled to begin on March 1, 2005 and will require 162 lineal feet of box. There will be an opportunity to store box sections on site. With your bid, please specify the earliest you expect to beginning shipping sections of box.

SPECIFICATIONS ATTACHED:

1. Arthur Ditch CBC at Mulberry St. Culvert Details: Sheet BC2 and
2. Sheet BC5

BID # 5892
Arthur Ditch Concrete Box Culvert

BID SCHEDULE

Precast sections \$ _____ per lineal foot X 480 feet = \$ _____ Total

Earliest Delivery Date: _____

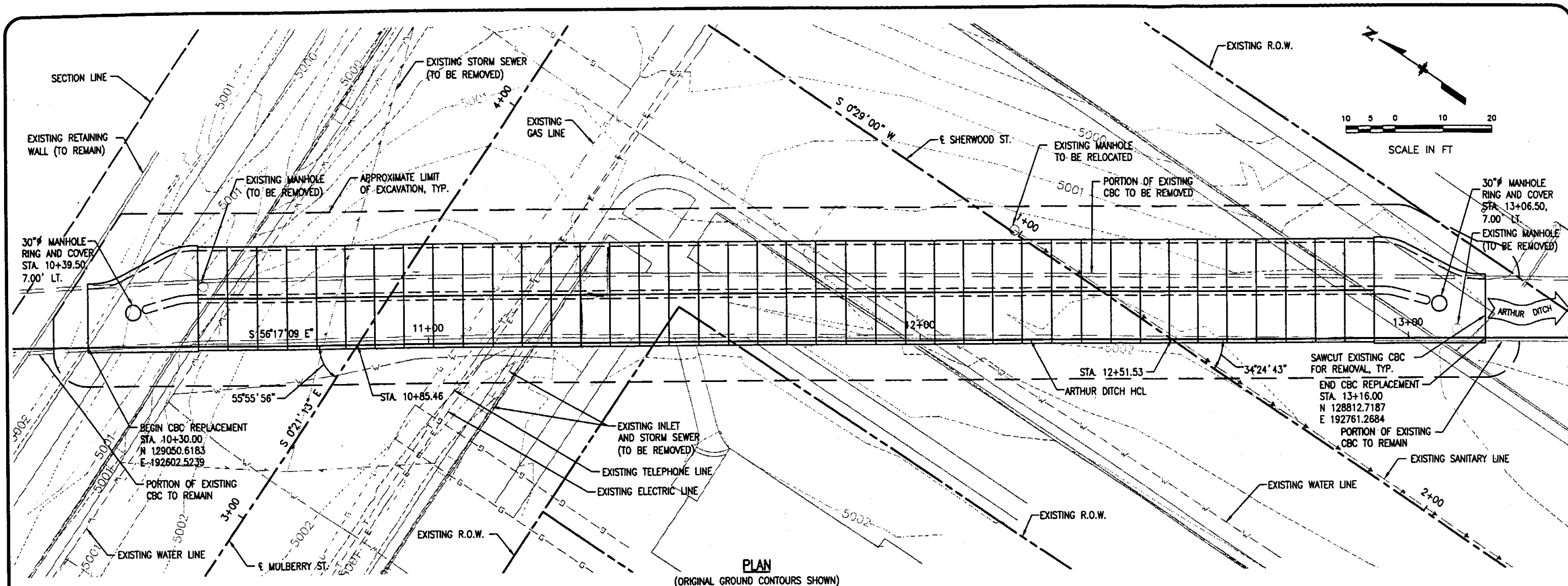
FIRM NAME _____
Are you a Corporation, Partnership, DBA, LLC, or PC

SIGNATURE _____

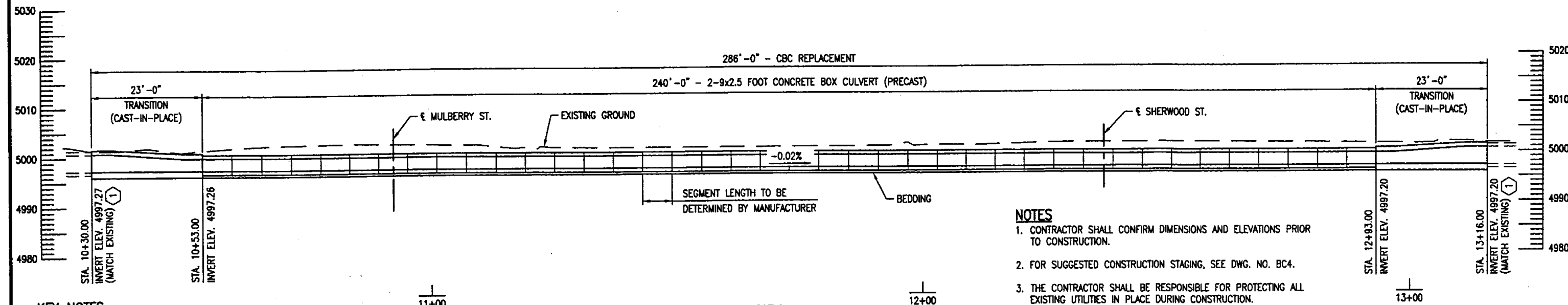
ADDRESS _____

PHONE/FAX # _____

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PLAN
(ORIGINAL GROUND CONTOURS SHOWN)



SECTION
(TAKEN ALONG ARTHUR DITCH HCL)

KEY NOTES
 1 SET TOP OF BEDDING AND CBC INVERT ELEVATION WITH LASER LEVEL. ADJUST AS NECESSARY TO ENSURE THAT NEW CBC INVERT ELEVATIONS MATCH EXISTING INVERT ELEVATIONS.

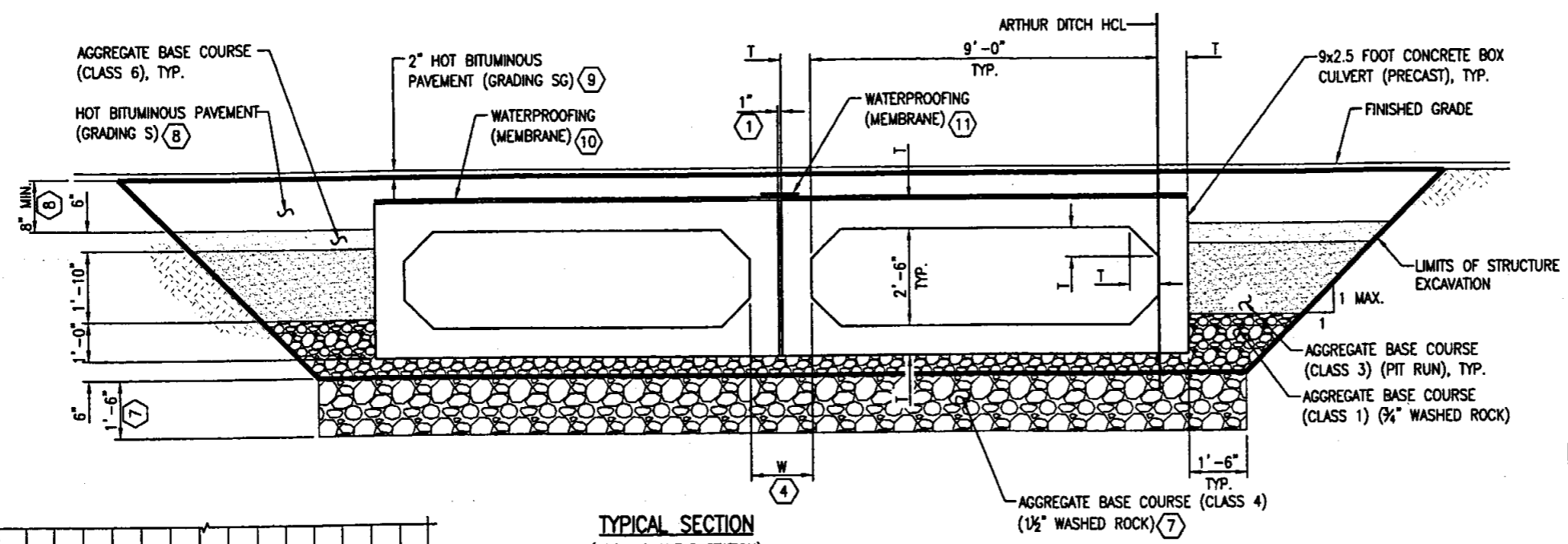
- NOTES**
- CONTRACTOR SHALL CONFIRM DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
 - FOR SUGGESTED CONSTRUCTION STAGING, SEE DWG. NO. BC4.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES IN PLACE DURING CONSTRUCTION.
 - FOR ADDITIONAL LIMITS OF WORK, SEE DWG. NO. BC3.
 - FOR UTILITIES WORK, SEE UTILITY PLAN (BY OTHERS).

PRELIMINARY
SUBJECT TO REVISION

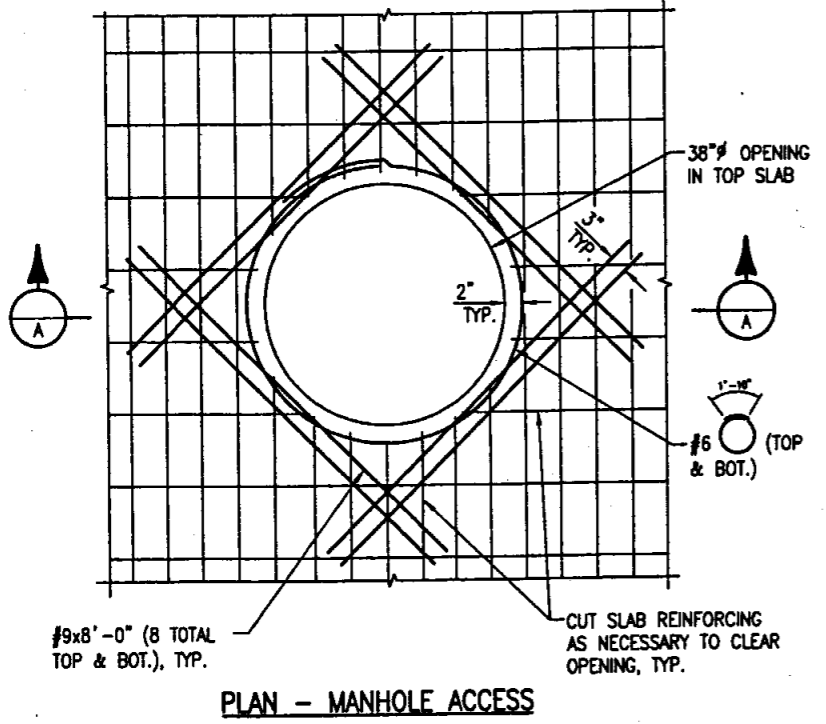


REVISIONS: _____ _____ _____	DATE: _____ _____ _____	CITY OF FORT COLLINS, COLORADO ENGINEERING DIVISION		DESIGNED BY: JHW SCALE: 1"=20'	DRAWN BY: ARP DATE: 12/10/04	APPROVED BY: _____ CHECKED BY: _____ DATE: _____	ARTHUR DITCH CBC AT MULBERRY ST. GENERAL LAYOUT	SHEET BC2 OF 7
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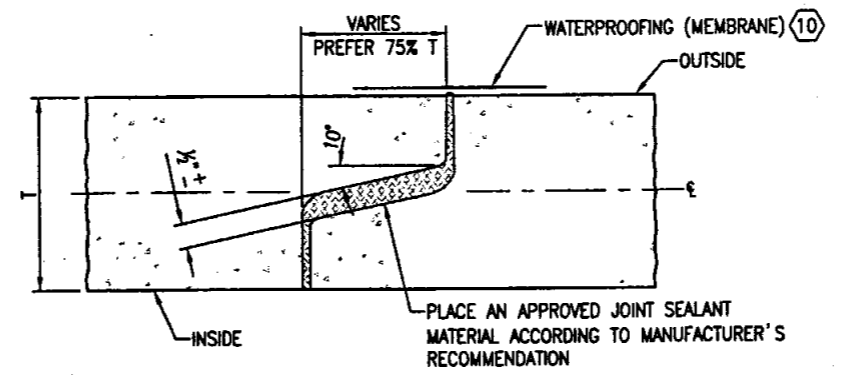
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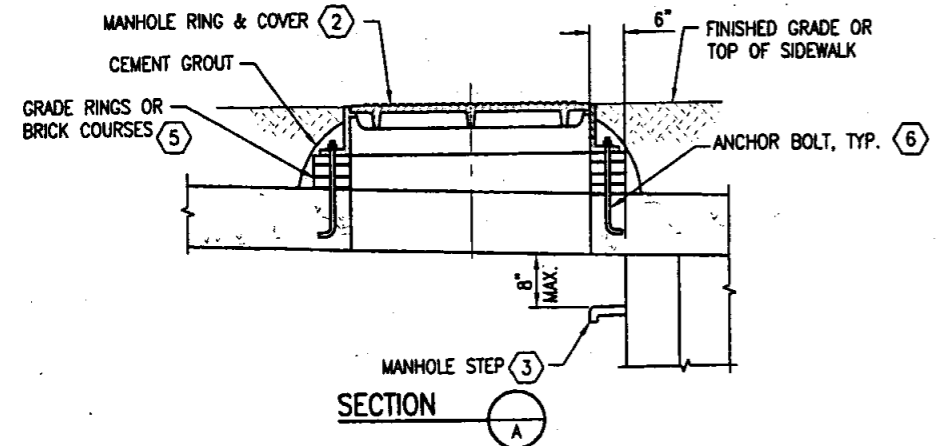
TYPICAL SECTION
(LOOKING AHEAD STATION)



PLAN - MANHOLE ACCESS

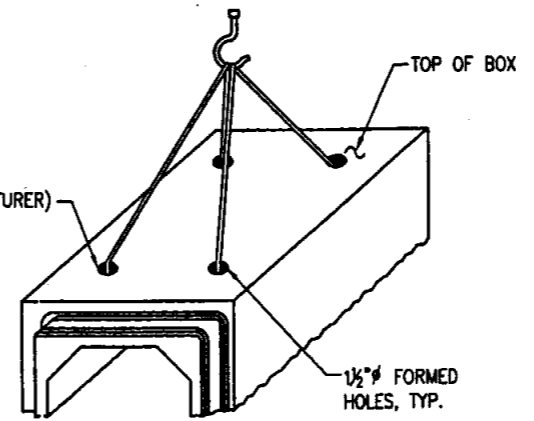


TYPICAL JOINT FOR PRECAST SEGMENTS



SECTION

LIFTING HOLES (LOCATED BY MANUFACTURER) SHALL BE FILLED WITH GROUT BEFORE BACKFILLING IS STARTED



PRECAST SEGMENT LIFTING DIAGRAM

KEY NOTES

- ① SPACE BETWEEN ADJACENT BOXES SHALL BE FILLED WITH DRY, FINE SAND. SAND SHALL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN ITEM 603, 9x2.5 FOOT CONCRETE BOX CULVERT (PRECAST).
- ② MANHOLE RING AND COVER SHALL BE HEAVY DUTY BUILT UP, WATER-TIGHT TYPE WITH BOLTED LID: R-1916-H, AS MANUFACTURED BY NEENAH FOUNDRY COMPANY OR ENGINEER APPROVED EQUAL.
- ③ STEPS SHALL BE IN ACCORDANCE WITH AASHTO M199.
- ④ THE DESIGN OF THE TRANSITION, SHOWN ON DWG. NO. BC6, ASSUMES "T" = 9" AND "W" = 1'-7". ADJUST DIMENSIONS OF TRANSITION AS NECESSARY TO MATCH ACTUAL PRECAST SEGMENT DIMENSIONS. VARIATIONS GREATER THAN 1 INCH WILL REQUIRE ENGINEER APPROVAL.
- ⑤ PLACE GRADE RINGS OR BRICK COURSES AS NECESSARY TO SET TOP OF MANHOLE ELEVATION AT FINISHED GRADE OR TOP OF SIDEWALK ELEVATION. PROVIDE 6" MINIMUM THICKNESS OF SIDEWALK CONCRETE ABOVE TOP SLAB OF CBC.
- ⑥ CONTRACTOR SHALL COORDINATE ANCHOR BOLT SIZE, QUANTITY AND LOCATION WITH MANHOLE RING AND COVER MANUFACTURER.
- ⑦ REMOVE ALL UNSUITABLE MATERIAL UNDER CULVERT REPLACEMENT AREA (MUCK EXCAVATION) AS DIRECTED BY THE ENGINEER. REPLACEMENT MATERIAL FOR MUCK EXCAVATION SHALL CONSIST OF AGGREGATE BASE COURSE (CLASS 4), COMPACTED TO NOT LESS THAN 95% MAXIMUM DENSITY DETERMINED IN ACCORDANCE WITH AASHTO T180.
- ⑧ SUBSTITUTE AGGREGATE BASE COURSE (CLASS 6) FOR HOT BITUMINOUS PAVEMENT (GRADING S) AT ALL LOCATIONS OUTSIDE OF ROADWAY. ADJUST THICKNESS BASED ON THE TYPE OF FINISHED SURFACE MATERIAL.
- ⑨ NOT APPLICABLE OUTSIDE OF ROADWAY. IN LOCATIONS OUTSIDE OF ROADWAY, PLACE TOPSOIL AND SOD, SIDEWALK OR CONCRETE PAVEMENT AS NECESSARY.
- ⑩ 1'-0" WIDE STRIP, CENTERED OVER TRANSVERSE JOINT. TYPICAL AT ALL TRANSVERSE JOINTS.
- ⑪ 1'-0" WIDE STRIP, CENTERED OVER 1" GAP.

NOTES

1. THE INFORMATION PROVIDED ON THIS SHEET IS INTENDED ONLY FOR THE CBC REPLACEMENT LOCATED AT STATION 10+30.00 TO STATION 13+16.00
2. FOR MANHOLE RING AND COVER LOCATIONS, SEE DWG. NO. BC2.

BEDDING NOTES

1. BEDDING SHALL CONSIST OF 6 INCHES OF AGGREGATE BASE COURSE (CLASS 1) COMPACTED TO NOT LESS THAN 95% MAXIMUM DENSITY DETERMINED IN ACCORDANCE WITH AASHTO T 180.

PRELIMINARY
SUBJECT TO REVISION



REVISIONS:	DATE:

CITY OF FORT COLLINS, COLORADO
ENGINEERING DIVISION



DESIGNED BY: JHW	DRAWN BY: ARP	APPROVED BY:
SCALE: NONE	DATE: 12/10/04	CHECKED BY: DATE:

ARTHUR DITCH CBC AT MULBERRY ST.
CULVERT DETAILS

SHEET
BC5
OF
7