



AGENDA ITEM EXECUTIVE SUMMARY

Title: Recommendation to Award Purchase Order for Electric Precast Manholes to Utility Concrete Products

Presenter: Tom Bruhl

Please check appropriate box:

<input type="checkbox"/>	Government Operations	<input checked="" type="checkbox"/>	Government Services 01.25.16
<input type="checkbox"/>	Planning & Development		City Council
<input type="checkbox"/>	Public Hearing		

Estimated Cost:	\$105,627.82	Budgeted:	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> X	<input type="checkbox"/> NO	
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If NO, please explain how item will be funded:

Executive Summary:

Electric utility precast manholes are a specialized item. Upcoming projects on First Street and Legacy Substation require manholes for the new underground electric systems. Purchasing advertised and went out for bids. One bid was received from Utility Concrete Products. In addition to advertising, Purchasing made a number of calls to concrete pre-casting companies to inquire about interest in offering a bid. Electric contacted Batavia, Geneva, Naperville, and Winnetka to see if they have any additional suppliers that they use for electric precast manholes. Due to the nature of the product, and the cost of transportation, there are no other known companies offering this product in our area.

Attachments: *(please list)*

Bid Proposal Price Sheet, X type manhole drawing

Recommendation / Suggested Action *(briefly explain):*

Recommendation to Award Purchase Order for Electric Precast Manholes to Utility Concrete Products in the amount of \$105,627.82.

For office use only:

Agenda Item Number: 4.g

SECTION IV

PROPOSAL FORM

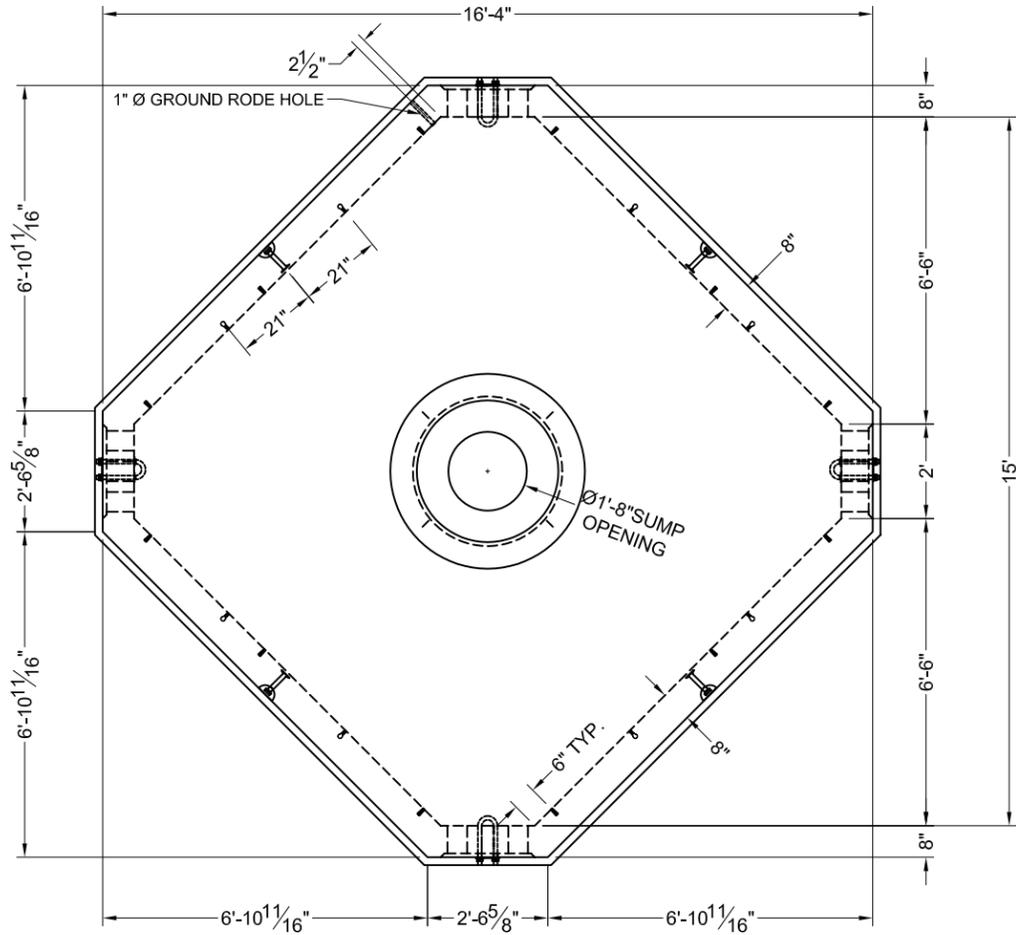
Precast Manhole:

Pricing Sheet:

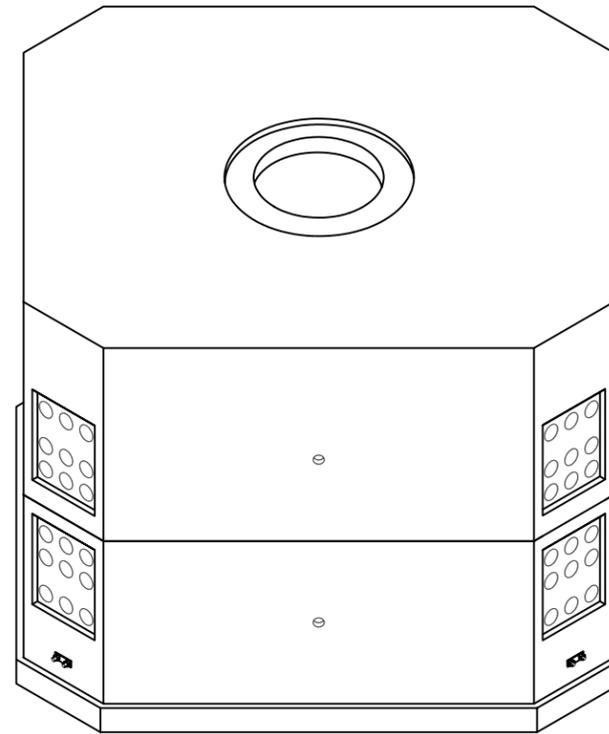
(1) Manufacture and deliver straight manhole per specification	\$ <u>8,357.28</u> each
Quantity = two (2) - total cost	\$ <u>16,714.56</u> total
(2) Manufacture and deliver "X" manhole per specification	\$ <u>27,152.00</u> each
Quantity = one (1) - total cost	\$ <u>27,152.00</u> total
(3) Manufacture and deliver TEE manhole per specification	\$ <u>12,352.24</u> each
Quantity = five (5) - total cost	\$ <u>61,761.20</u> total

Grand Total for (2) straight manholes, (1) X manhole, and (5) – Tee manholes

\$ 105,627.82

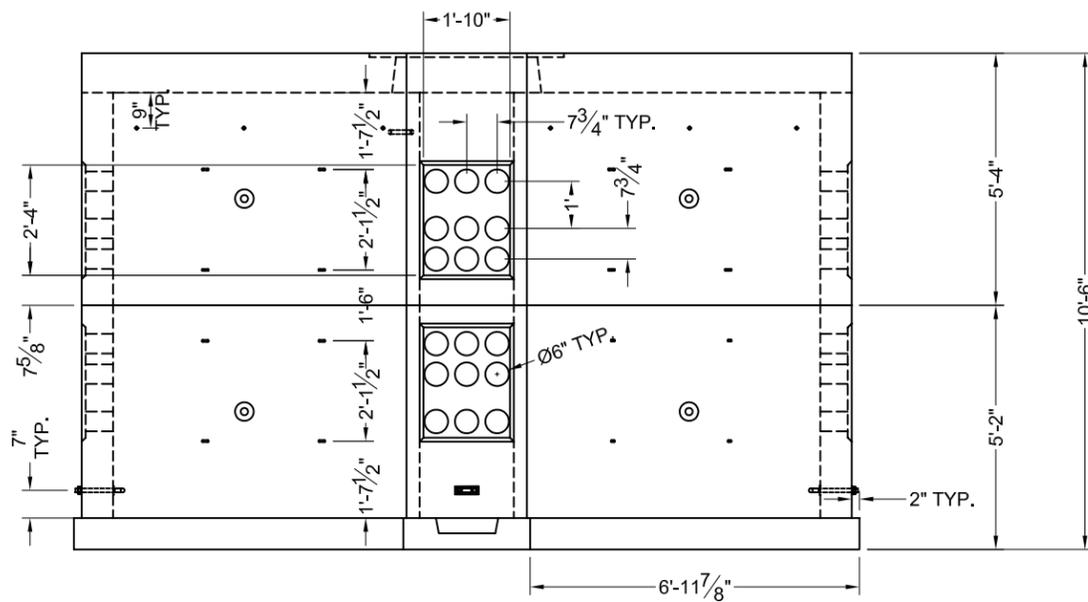


PLAN VIEW

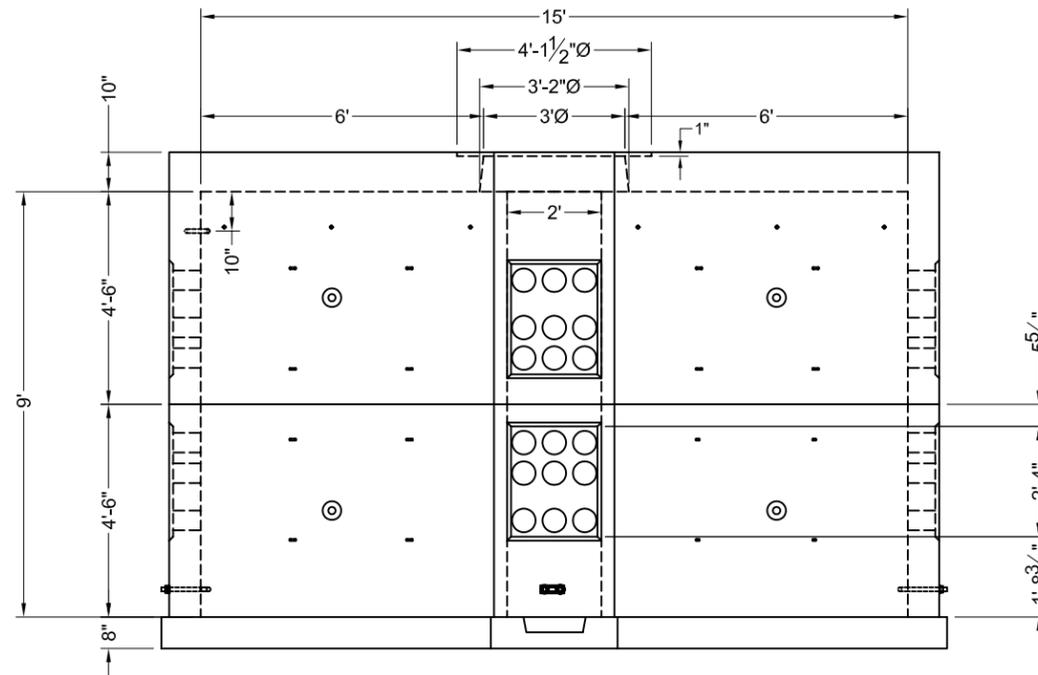


NOTES:

- 1) CONCRETE: 5,000 p.s.i. @ 28 DAYS
5%-8% ENTRAINED AIR, 4" MAX. SLUMP.
- 2) REBAR: ASTM A-615, GRADE 60, BLACK BAR.
- 3) DUCT ENTRANCE: SINGLE DUCT TERMINATORS TO ACCEPT Ø 6" SCH. 40 PVC CONDUIT."
- 4) PULLING IRON: PULLING IRON DESIGNED AS PER A.C.I. 318 FOR WORKING LOAD CAPACITY OF 40,000 POUNDS APPLIED COINCIDENT TO THE MAJOR AXIS OF THE PULLING IRON. PER COMED STD 4381.
- 5) SUMP: Ø 20" SUMP OPENING PER COMED STD 4381.
- 6) (3 ROLLS) BUTYL RUBBER JOINT SEALANT.
- 7) DESIGN CRITERIA:
 - A) DESIGNED AND BUILT IN ACCORDANCE WITH ASTM C858 "STANDARD SPECIFICATION FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES."
 - B) ALL LOADING AS PER ASTM C857 "MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES" INCLUDING:
 - EARTH COVER: MIN. 2'-0" MAX. 5'-0"
 - AASHTO HS-20 WHEEL LOAD AND APPLICABLE IMPACT.
 - VERTICAL AND LATERAL SOIL PRESSURES DETERMINED USING A SOIL DENSITY OF 120 PCF.
 - GROUNDWATER AT 3'-0" BELOW GRADE.
 - C) STRUCTURAL DESIGN PERFORMED USING AASHTO STRENGTH DESIGN METHOD.
 - D) REINFORCING COVER REQUIREMENTS AS PER ACI 318.
- 8) WEIGHT: TOP: 38,920 #
BOTTOM: 38,265 #
TOTAL: 77,185 #
- 9) PARTS NEEDED FOR ASSEMBLY
 - 04 - PULLING IRON - S/S 1.25" DIA. UBOLT
 - 08 - (8T) LIFTING INSERTS
 - 72 - 6" TERMINATORS
 - 12 - 1/4" PLASTIC INSERTS
 - 32 - 1/2" STAINLESS STEEL INSERTS
 - 03 - 1" X 14.5'/ROLL JOINT TAPE



NORTH & SOUTH ELEVATION VIEW



WEST & EAST ELEVATION VIEW



UTILITY CONCRETE PRODUCTS, LLC
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Phone: 815/416-1000 • Fax: 815/416-1100

ACCOUNT MANAGER:

J. BELT

UCP #

SPLSCX

PROJECT INFORMATION:

TRENCH-IT, INC.
UNION, IL

CURRENT ISSUE DATE:

03/12/2007

APPROVED BY:

ISSUED FOR:

SUBMITTAL

REV. DATE DESC. BY:

REV.	DATE	DESC.	BY:
△		ISSUED FOR	
1	03/12/2007	ISSUED FOR SUBMITTAL	R.R.

DRAWN BY: SCALE:

R. RODRIGUEZ NONE

SHEET TITLE:

SPL 15X15X9 ID "X"
MANHOLE
ST. CHARLES

SHEET NUMBER: REVISION:

1 OF 1 1