



February 18, 2020

ADDENDUM #1
19SWR22 SKINNER INDUSTRIAL DRIVE TRUNKMAIN
REPLACEMENT AND INTERSECTION IMPROVEMENTS
PROJECT
BID NO. 4468

ATTENTION ALL PLAN HOLDERS:

The City of St. Charles is issuing this addendum to the Skinner Industrial Drive Trunkmain Replacement and Intersection Improvements Bid Documents. The purpose of the addendum is to acknowledge receipt of plan revisions and memorandum regarding Contractor's Request for Information. The revised bid information is as follows:

- 1. Enclosed is the revised Proposal form. The quantities for the Sanitary Sewer were updated.**
- 2. Enclosed is the revised plan sheet 45 of 56 of the Roadway Construction Plans. The Post Installed Connection to Precast Headwalls and Post Installed Alternative at Cast in Place Connections has been added. The notes have also been revised.**
- 3. Enclosed is the revised plan sheet G-003 of the Sewer Construction Plans. The quantity table on the form was updated to match the revised Proposal form.**
- 4. Enclosed is the revised plan sheet C-503 of the Sewer Construction Plans. The details for Payline Widths, Pipe Bedding Details, and Flowable Fill Backfill Detail have been updated.**
- 5. Enclosed is an exhibit that shows the location of the additional manhole and pipe abandonment, as included on the revised sewer quantities.**
- 6. Enclosed is the shop drawing for the precast box culvert.**
- 7. Enclosed is the City Memorandum regarding Contractor's Request for Information.**
- 8. Revise Sewer JSP, Section FF, Part 9 as follows:**

Replace the entire Section 9.3 – Type A Trench, 9.4 – Type B Trench, and 9.5 with the following:

“All backfill shall be in accordance with MSD Standard Specifications Part 4 Pipe Sewer Construction, Section H Trench Backfill and compaction shall be per City Requirements as described on Sheet G-002.”



Please adjust your bid accordingly.

CONTRACTOR'S SIGNATURE

DATE

Printed Name

Company Name

**A COPY OF THIS NOTICE SHALL BE STAPLED TO THE BID
PROPOSAL AND MUST BE SIGNED ACKNOWLEDGING RECEIPT**

**PROPOSAL FOR SKINNER INDUSTRIAL DRIVE TRUNKMAIN
REPLACEMENT AND INTERSECTION IMPROVEMENTS**

PROJECT NO. 19SWR22

BID NO. 4468

A. The undersigned bidder agrees, if this bid is accepted by the City and the bidder is awarded the contract for the Project, to enter into a contract with the City in the form included in the bid documents, provide all necessary bonds and types of insurance, and to perform all work as specified or indicated in the bid documents for the prices and within the times indicated in the bid and in accordance with the other terms and conditions of the bidding documents.

B. Written communication may be sent to bidder at the following address:

C. Bidder accepts all of the terms and conditions stated in the Information for Bidders. This bid shall remain open for a period of 120 days after the date bids are opened, or for such longer period of time as the bidder and City may agree.

D. Bid deposit in the amount of _____ Dollars (\$_____) accompanies this bid. Bidder acknowledges and agrees that the bid deposit shall be forfeited to the City if the bidder is awarded the contract for the Project and does not execute the contract and provide all bonds, insurance requirements and other required documents by the date stated in the bid award.

E. By submitting this bid, bidder represents and warrants that:

1. Bidder has closely examined and carefully studied the Information for Bidders, Bidding Documents, Project contract and all other related data and documents identified in the Bidding Documents and the following Addenda receipt of all which is hereby acknowledged.

No. _____	Dated _____
No. _____	Dated _____
No. _____	Dated _____

2. Bidder has visited the location where the Project work is to be performed and has become familiar with, is knowledgeable of and is satisfied with the site conditions both surface and subsurface that may affect cost, progress, and performance of Project work.

3. Bidder is familiar with and is satisfied as to all federal, state, and local laws, policies and regulations that may affect cost, progress, and performance of Project work.

4. Bidder has obtained and carefully studied all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and underground facilities) at or contiguous to the Project site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by the bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction required by the bidding documents to be employed by bidder, and safety precautions and programs incident thereto.

5. Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this bid or performance of the Project work at the price(s) bid and within the times and in accordance with the other terms and conditions of the bidding documents.

6. Bidder has provided City or its engineer written notice of all conflicts, errors, ambiguities, or discrepancies that bidder has discovered in the bidding documents, and the written resolution thereof by City or its engineer is acceptable to bidder.

7. The bidding documents are sufficient to indicate and convey understanding of all terms and conditions for the performance of the Project work for which this bid is submitted.

8. Bidder states that this bid is genuine and is not made in the interest of or on behalf of any undisclosed person or entity and is not submitted in conformity with any agreement or rules of any group, association, organization, or corporation; bidder has not directly or indirectly induced or solicited any other bidder to submit a false or sham bid; bidder has not solicited or induced any person or entity to refrain from bidding; and bidder has not sought by collusion to obtain for itself any advantage over any other bidder or the City. Moreover, bidder has completed and submitted with its bid the Anti-Collusion Affidavit.

9. Bidder, if awarded the contract, upon written notice from the City shall begin work and shall fully complete all work as set forth in the project specifications, the rate of progress and the time of completion being essential conditions of the contract.

10. All estimated quantities stipulated in the bid form are approximate and are to be

used only (a) as a basis for estimating the value of the Project work for making partial payments, (b) for computing the cost of change orders and (c) for the purpose of comparing bids.

11. Bidder will complete the Project work for the following unit prices; that estimated quantities are not guaranteed and are solely for the purpose of comparison of bids, and that final payment for all unit price bid items will be based on actual quantities provided at the unit prices submitted, as determined in the contract.

Bidder Name (exact and complete name of bidder):

Bidder Address: _____

Telephone Number: _____

Facsimile: _____

Signature of Person Authorized to Sign Bid: _____

Printed Full Name of Person Authorized to Sign Bid: _____

Title of Person Authorized to Sign Bid: _____

Date: _____

Corporate Attest (if applicable): _____

Secretary

BASE BID SCHEDULE

The following prices shall be used to determine the amount of payment to the Contractor for actual work completed. Quantities are not guaranteed. Final payment will be based on actual quantities.

SEWER					
Item No.	Unit Cost Item Description	Units	Quantity	Unit Price	Subtotal
1	10" PVC SDR 26 PIPE GRAVITY SEWER, OPEN CUT	L.F.	230	\$	\$
2	10" PVC SDR 35 PIPE GRAVITY SEWER, OPEN CUT	L.F.	26	\$	\$
3	CAPPED 12" PVC SEWER	L.F.	5	\$	\$
4	27" PVC PS115 PIPE GRAVITY SEWER, OPEN CUT	L.F.	71	\$	\$
5	27" PVC PS46 PIPE GRAVITY SEWER, OPEN CUT	L.F.	1908	\$	\$
6	30" DUCTILE IRON PIPE GRAVITY SEWER WITH 42" CONCRETE CASING, OPEN CUT	L.F.	68	\$	\$
7	PRECAST CONCRETE MANHOLE W/ BOLTED FRAME/LID, 6' DEEP, 4' DIA.	EACH	8	\$	\$
8	PRECAST CONCRETE MANHOLE W/ BOLTED FRAME/LID, 6' DEEP, 5' DIA.	EACH	1	\$	\$
9	PRECAST CONCRETE MANHOLE, 6' DEEP, 4' DIA.	EACH	1	\$	\$
10	PRECAST CONCRETE MANHOLE, 6' DEEP, 6' DIA.	EACH	1	\$	\$
11	PRECAST CONCRETE MANHOLE WITH STUB FOR FEDEX ADDITION, 5' DIA.	EACH	1	\$	\$
12	ADDITIONAL FOOT OF MANHOLE	V.L.F.	64	\$	\$
13	REMOVE EXISTING MANHOLE	EACH	1	\$	\$
14	ABANDON EXISTING MANHOLE	EACH	6	\$	\$
15	REMOVE EXISTING 27" SANITARY SEWER	L.F.	285	\$	\$
16	ABANDON EXISTING 27" SANITARY SEWER	C.Y.	310	\$	\$
17	REMOVE/REPLACE UNSUITABLE SUBGRADE	C.Y.	620	\$	\$
18	RELOCATE 2" WATER SERVICE LINE	L.F.	1892	\$	\$
19	FLOWABLE FILL	C.Y.	91	\$	\$
20	RIP RAP	C.Y.	44	\$	\$
21	SELECT GRANULAR BACKFILL	C.Y.	250	\$	\$
22	RELOCATE EXISTING 28" STEEL PIPE	L.S.	1	\$	\$
23	CONNECTION TO EXISTING FORCEMAIN	EACH	1	\$	\$
24	TIE-IN EXISTING SERVICE CONNECTION	EACH	4	\$	\$
25	SEEDING AND FERTILIZATION	AC	1	\$	\$

SEWER (CONT.)					
Item No.	Unit Cost Item Description	Units	Quantity	Unit Price	Subtotal
26	BYPASS PUMPING	L.S.	1	\$	\$
27	AS-BUILT DRAWINGS	L.S.	1	\$	\$
SEWER SUBTOTAL					\$

ROADWAY/DRAINAGE					
Item No.	Unit Cost Item Description	Units	Quantity	Unit Price	Subtotal
2013000	CLEARING AND GRUBBING	ACRE	0.43	\$	\$
2022010	REMOVAL OF IMPROVEMENTS	LS	1	\$	\$
2031000	CLASS A EXCAVATION	CU YD	3161	\$	\$
2036000	COMPACTING EMBANKMENT	CU YD	1258	\$	\$
2063000	CLASS 3 EXCAVATION	CU YD	414	\$	\$
2063500	CULVERT CLEANOUT	EA	1	\$	\$
3040504	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	SQ YD	3371	\$	\$
5021309	CONCRETE PAVEMENT (9 IN. NON-REINFORCED, 15 FT. JOINTS)	SQ YD	3013.3	\$	\$
5029905	WELDED WIRE REINFORCEMENT	SQ YD	626.4	\$	\$
6042010	ADJUSTING MANHOLE	EA	2	\$	\$
6044011	PIPE COLLAR, TYPE A	EA	1	\$	\$
6049902	CONVERT EXISTING DROP INLET TO JUNCTION CHAMBER	EA	1	\$	\$
6061060	MGS GUARDRAIL	LF	25	\$	\$
6061070	MGS VERTICAL CONCRETE BARRIER TRANSITION	EA	2	\$	\$
6061080	MGS END ANCHOR	EA	2	\$	\$
6083006	6 IN. CONCRETE MEDIAN STRIP	SQ YD	41.8	\$	\$
6085008	PAVED APPROACH, 8 IN.	SQ YD	100.0	\$	\$
6081010	CONCRETE CURB RAMP	SQ YD	29.6	\$	\$
6081012	TRUNCATED DOMES	SQ FT	80	\$	\$
6086004	CONCRETE SIDEWALK, 4 IN.	SQ YD	109.4	\$	\$
6096020	FURNISHING TYPE 2 ROCK DITCH LINER	CU YD	5	\$	\$
6096042	PLACING TYPE 2 ROCK DITCH LINER	CU YD	5	\$	\$

ROADWAY/DRAINAGE (CONT.)					
Item No.	Unit Cost Item Description	Units	Quantity	Unit Price	Subtotal
6097000	ROCK LINING	CU YD	17	\$	\$
6141021	GRATE AND BEARING PLATE (3 FT. X 2 FT. OR 914 MM X 610 MM)	EA	1	\$	\$
6143011	MANHOLE FRAME AND COVER, TYPE 1-B	EA	2	\$	\$
6169901	TEMPORARY TRAFFIC CONTROL AND PROTECTION DURING CONSTRUCTION	LS	1	\$	\$
6173101	CONCRETE TRAFFIC BARRIER, TYPE D (MODIFIED)	LF	67	\$	\$
Item No.	Unit Cost Item Description	Units	Quantity	Unit Price	Subtotal
6173702B	TEMPORARY CONCRETE TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED / COMMISSION RETAINED	LF	63	\$	\$
6179902	TEMPORARY TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED / COMMISSION RETAINED	EA	1	\$	\$
6191000	PAVEMENT EDGE TREATMENT	LF	1316	\$	\$
7261012	12 IN. PIPE GROUP A	LF	85	\$	\$
7261015	15 IN. PIPE GROUP A	LF	35	\$	\$
7261036	36 IN. PIPE GROUP A	LF	22	\$	\$
7261060	60 IN. PIPE GROUP A	LF	78	\$	\$
7310060	PRECAST CONCRETE MANHOLE - 60 IN.	FT	11	\$	\$
7311032	PRECAST CONCRETE DROP INLET 3 FT X 2 FT	FT	2	\$	\$
7319903	PRECAST CONCRETE MANHOLE - 96 IN.	FT	11	\$	\$
7320615A	15 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EA	2	\$	\$
8051000A	SEEDING - COOL SEASON MIXTURES	ACRE	1.1	\$	\$
8061017	TEMPORARY SEEDING AND MULCHING	ACRE	1.1	\$	\$
8069901	TEMPORARY EROSION CONTROL	LS	1	\$	\$
8069928	WATER POLLUTION CONTROL MANAGER	WEEK	35	\$	\$
ROADWAY/DRAINAGE SUBTOTAL					\$

WATERMAIN RELOCATION					
Item No.	Unit Cost Item Description	Units	Quantity	Unit Price	Subtotal
6039901	AS-BUILT DRAWINGS	LS	1	\$	\$
6039902(1)	6 IN. DUCTILE IRON 45° BEND	EA	2	\$	\$
6039902(2)	8 IN. DUCTILE IRON 11.25° BEND	EA	2	\$	\$
6039902(3)	8 IN. DUCTILE IRON 22.5° BEND	EA	1	\$	\$
6039902(4)	8 IN. DUCTILE IRON 45° BEND	EA	9	\$	\$
6039902(5)	8 IN. X 6 IN. TEE, 6 IN. GATE VALVE AND BOX, AND FIRE HYDRANT ASSEMBLY	EA	2	\$	\$
6039902(6)	8 IN. X 4 IN. DUCTILE IRON TEE	EA	1	\$	\$
6039902(7)	8 IN. DUCTILE IRON CROSS	EA	1	\$	\$
6039902(8)	8 IN. DUCTILE IRON GATE VALVE AND BOX	EA	3	\$	\$
6039902(9)	4 IN. DUCTILE IRON GATE VALVE AND BOX	EA	1	\$	\$
6039902(10)	4 IN. X 2 IN. REDUCER	EA	1	\$	\$
6039902(11)	CONNECT TO EXISTING WATERMAIN	EA	2	\$	\$
6039902(12)	RELOCATE 2 IN. WATER SERVICE METER	EA	1	\$	\$
6039903(1)	6 IN. DUCTILE IRON WATER MAIN	LF	48	\$	\$
6039903(2)	8 IN. DUCTILE IRON WATER MAIN	LF	433	\$	\$
6039907	SELECT GRANULAR BACKFILL	CU YD	147	\$	\$
WATERMAIN RELOCATION SUBTOTAL					\$

STRUCTURAL ITEMS					
Item No.	Unit Cost Item Description	Units	Quantity	Unit Price	Subtotal
2063300	CLASS 4 EXCAVATION	CU YD	4674	\$	\$
2163501	PARTIAL REMOVAL OF CULVERT-BRIDGE CONCRETE	LS	1	\$	\$
3040163	TYPE 1 AGGREGATE FOR BASE (6 IN. THICK)	SQ YD	934	\$	\$
3049905	TYPE 7 AGGREGATE FOR BASE (18 IN. THICK)	SQ YD	934	\$	\$
6071050	CHAIN-LINK FENCE (RETAINING WALLS)	LF	141	\$	\$
6079903	(72 IN.) DECORATIVE PEDESTRIAN FENCE (STRUCTURES)	LF	106	\$	\$

STRUCTURAL ITEMS (CONT.)					
Item No.	Unit Cost Item Description	Units	Quantity	Unit Price	Subtotal
6096010A	FURNISHING TYPE 1 ROCK DITCH LINER	CU YD	146	\$	\$
6096041	PLACING TYPE 1 ROCK DITCH LINER	CU YD	146	\$	\$
6113020	FURNISHING TYPE 2 ROCK BLANKET	CU YD	217	\$	\$
6113040	PLACING TYPE 2 ROCK BLANKET	CU YD	217	\$	\$
7032009	CLASS B CONCRETE (RETAINING WALLS)	CU YD	41.0	\$	\$
7039901	PRECAST CONCRETE BOX CULVERT INSTALLATION	LS	1	\$	\$
7061040	REINFORCING STEEL (RETAINING WALL)	LB	5160	\$	\$
7201200	SELECT GRANULAR BACKFILL FOR STRUCTURAL SYSTEMS	CU YD	68	\$	\$
STRUCTURAL SUBTOTAL					\$

PAVEMENT MARKING ITEMS					
Item No.	Unit Cost Item Description	Units	Quantity	Unit Price	Subtotal
6200013	COLD APPLIED TAPE PAVEMENT MARKING, 24 IN. WHITE	LF	487	\$	\$
6200019	COLD APPLIED TAPE PAVEMENT MARKING, LEFT/RIGHT ARROW	EA	8	\$	\$
6200040	COLD APPLIED TAPE PAVEMENT MARKING, 12 IN WHITE, YIELD LINE TRIANGLES	EA	8	\$	\$
6206000C	4 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	1675	\$	\$
6206001C	4 IN. YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	1638	\$	\$
6207001	PAVEMENT MARKING REMOVAL	LF	1381	\$	\$
6207002	PAVEMENT MARKING REMOVAL (SYMBOLS)	EA	8	\$	\$
PAVEMENT MARKING SUBTOTAL					\$

SIGNAL/LIGHTING ITEMS					
Item No.	Unit Cost Item Description	Units	Quantity	Unit Price	Subtotal
9020113	SIGNAL HEAD, TYPE 3T	EA	2	\$	\$
9020213	SIGNAL HEAD, TYPE 3S	EA	3	\$	\$

SIGNAL/LIGHTING ITEMS (CONT.)					
Item No.	Unit Cost Item Description	Units	Quantity	Unit Price	Subtotal
9020513	SIGNAL HEAD, TYPE 3B	EA	4	\$	\$
9020514	SIGNAL HEAD, TYPE 4B	EA	4	\$	\$
9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	3	\$	\$
9020833	SH-FLAT SHEET - SIGNAL SIGN	SF	33	\$	\$
9020834	SIGNAL SIGN, MOUNTING HARDWARE	EA	7	\$	\$
9022651	LUMINAIRE LED-A, 120 VOLT COMPATIBLE	EA	4	\$	\$
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	1	\$	\$
9022715	POST, SIGNAL 15 FT. OR 4.6 M	EA	2	\$	\$
9023130	POST, TYPE CL, 30 FT. ARM OR 9.1 M ARM	EA	1	\$	\$
9023145	POST, TYPE CL, 45 FT. ARM OR 13.7 M ARM	EA	1	\$	\$
9023435	POST, TYPE BL, LONGEST ARM 35 FT. OR 10.7 M	EA	1	\$	\$
9024920	DETECTOR, PUSHBUTTON	EA	3	\$	\$
9024975	VIDEO DETECTION SYSTEM	EA	1	\$	\$
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	220	\$	\$
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	173	\$	\$
9028302	CABLE, 12 AWG 2 CONDUCTOR	LF	780	\$	\$
9028309	CABLE, 16 AWG 2 CONDUCTOR	LF	550	\$	\$
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	550	\$	\$
9028311	CABLE, 16 AWG 7 CONDUCTOR	LF	2640	\$	\$
9028810	PULL BOX, PREFORMED CLASS 1	EA	1	\$	\$
9028811	PULL BOX, PREFORMED CLASS 2	EA	1	\$	\$
9028812	PULL BOX, PREFORMED CLASS 3	EA	2	\$	\$
9029100	BASE, CONCRETE	CU YD	10.5	\$	\$
9029401	TEMPORARY TRAFFIC SIGNALS AND LIGHTING	LS	1	\$	\$
9029902(1)	PEDESTRIAN PUSH BUTTON EXTENSION	EA	1	\$	\$
9029902(2)	EDGE LIT LED STREET SIGNS	EA	4	\$	\$

9029902(3)	TRAFFIC SIGNAL MAINTENANCE AND PROGRAMMING	EA	1	\$	\$
9029902(4)	RELOCATED PTZ CAMERA	EA	1	\$	\$
SIGNAL/LIGHTING SUBTOTAL					\$

SIGNING ITEMS					
Item No.	Unit Cost Item Description	Units	Quantity	Unit Price	Subtotal
9031010	CONCRETE FOOTINGS, EMBEDDED	CU YD	1.0	\$	\$
9031250A	U-CHANNEL POST, 3 LB	LF	92	\$	\$
9031270A	2 IN. PSST POST - 12 GA.	LF	90	\$	\$
9031273	POST ANCHOR FOR 2 IN. PSST - 7 GA.	LF	24	\$	\$
9031280	2.5 IN. PSST POST - 12 GA.	LF	33	\$	\$
9031281	POST ANCHOR FOR 2.5 IN. PSST - 7 GA.	LF	9	\$	\$
9035004A	SH-FLAT SHEET	SQ FT	26	\$	\$
9035069A	SHF-FLAT SHEET FLUORESCENT	SQ FT	69	\$	\$
9039902	REMOVE AND RELOCATE SIGN	EA	3	\$	\$
SIGNING SUBTOTAL					\$

MISCELLANEOUS					
Item No.	Unit Cost Item Description	Units	Quantity	Unit Price	Subtotal
6181000	MOBILIZATION	LS	1	\$	\$
6274000	CONTRACTOR FURNISHED SURVEYING AND STAKING	LS	1	\$	\$
MISCELLANEOUS SUBTOTAL					\$

TOTAL BASE BID AMOUNT:

_____ **DOLLARS (\$)** _____

LIST OF RESOURCES AND REFERENCES

1. Name of proposed on-site Superintendent: _____

2. List of equipment to be used to perform work which shall be readily available or on an as needed basis:

[illegible]

[illegible]

LIST OF PROPOSED SUBCONTRACTORS AND SUPPLIERS

The names and addresses of the subcontractors, suppliers and materialmen proposed for Project work and the type of work to be performed or material to be supplied:

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

(All remaining work will be performed by the bidder utilizing bidder's employees.)

CERTIFICATION OF NON-SEGREGATION

By submission of this bid I certify that I do not maintain or provide for my employees any segregated facilities at any of my establishments, and that I do not permit my employees to perform their services at any location, under my control, where segregated facilities are maintained. I certify further that I will not maintain or provide for my employees any segregated facilities at any of my establishments, and that I will not permit my employees to perform their services at any locations, under my control, where segregated facilities are maintained. I agree that a breach of this certification is a violation of the Equal Opportunity clause in this contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion or national origin because of habit, local custom or otherwise. I further agree that I will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause; that I will retain such certifications in my files, and that I will forward this notice to such proposed Contractors.

Bidder name: _____

Signature of authorized representative: _____

Printed name of authorized representative: _____

Date: _____

ANTI-COLLUSION AFFIDAVIT

STATE OF MISSOURI)
) SS
COUNTY OF _____,)

I _____, state that I am the
_____ (sole owner, president, manager, member)
of _____ the entity making the
foregoing bid and state under penalty of perjury that:

1. this bid is not made in the interest of or on behalf of any undisclosed person or other entity;
2. this bid is genuine and not in collusion with any other person or entity and is not a sham;
3. this bidder has not directly or indirectly induced or solicited any other bidder to submit a false or sham bid;
4. this bidder has not directly or indirectly colluded, conspired, connived, or agreed with any other bidder or any other person or entity to submit a sham bid;
5. this bidder has not directly or indirectly colluded, conspired, connived, or agreed with any other bidder or any other person or entity to not submit a bid;
6. this bidder has not in any manner, directly or indirectly, sought by agreement, communication or conference with any other person or entity to fix the bid price of this bidder or of any other bidder, or to fix any overhead, profit or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the City of Saint Charles, Missouri or any person or entity interested in the Project contract;
7. all statements contained in this bid are true; and
8. this bidder has not, directly or indirectly, submitted its bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid and will not pay any fee in connection therewith to any person or entity.

Bidder name: _____

Signature of authorized representative: _____

Printed name of authorized representative: _____

Date: _____

(Corporate acknowledgement)

STATE OF MISSOURI)
) ss
COUNTY OF _____)

On this _____ day of _____, 20_____, before me,
_____, a Notary Public in and for said state,
personally appeared _____, (name of officer)
_____ (title of person)
_____ (name of corporation), known to me to be the
person who executed this Anti-collusion Affidavit in behalf of said corporation and acknowledged to
me that he or she executed the same for the purposes therein stated.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in the County of St. Charles and State of Missouri, the day and year first above written.

Notary

My Commission Expires:

(Limited Liability Company acknowledgement)

STATE OF MISSOURI)
) ss
COUNTY OF _____)

On this _____ day of _____, 20_____, before me,
_____, a Notary Public in and for said state,
personally appeared _____, (name of member or manager)
_____ (title) _____ (name of limited
liability company), known to me to be the person who executed this Anti-collusion Affidavit in behalf

of said corporation and acknowledged to me that he or she executed the same for the purposes therein stated.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in the County of St. Charles and State of Missouri, the day and year first above written.

Notary

My Commission Expires:

SUBCONTRACTOR CERTIFICATION REGARDING AFFIRMATIVE ACTION

Certification regarding Affirmative Action and Equal Opportunity: The bidder and each subcontractor certifies:

1. Affirmative Action Program: That it has developed and has on file at each of its establishments affirmative action programs pursuant to 41 CFR Part 60-2.
2. Equal Opportunity Clause: That it has participated in a previous contract or subcontract subject to the equal opportunity clause set forth in 41 CFR Part 69-1.4 and Executive Order No. 11246.
3. Compliance Reports: That it has filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance Programs and his designate, or the Equal Employment Opportunity Commission, all reports due under the applicable filing requirements contained in 41 CFR Part 60-1.

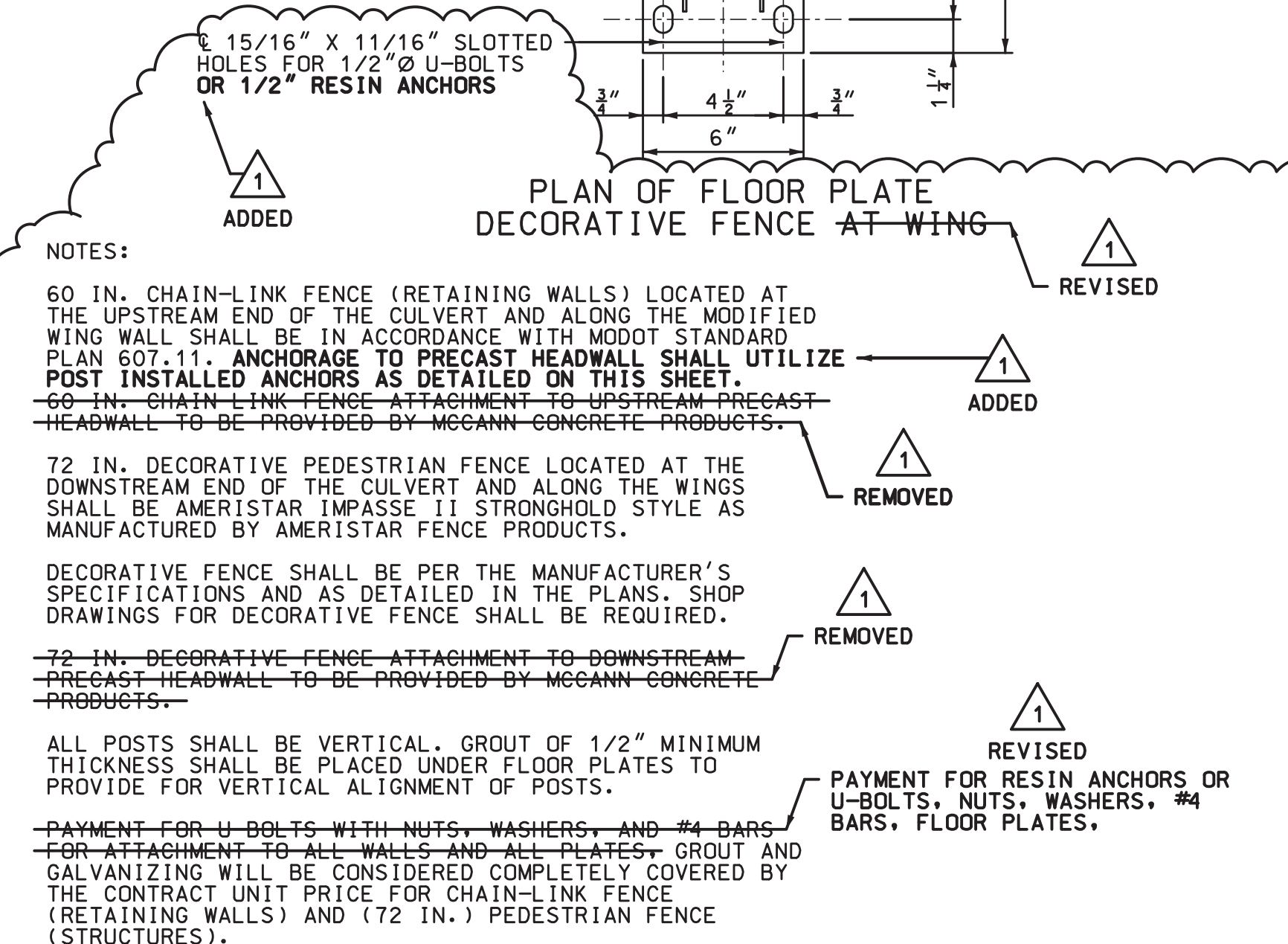
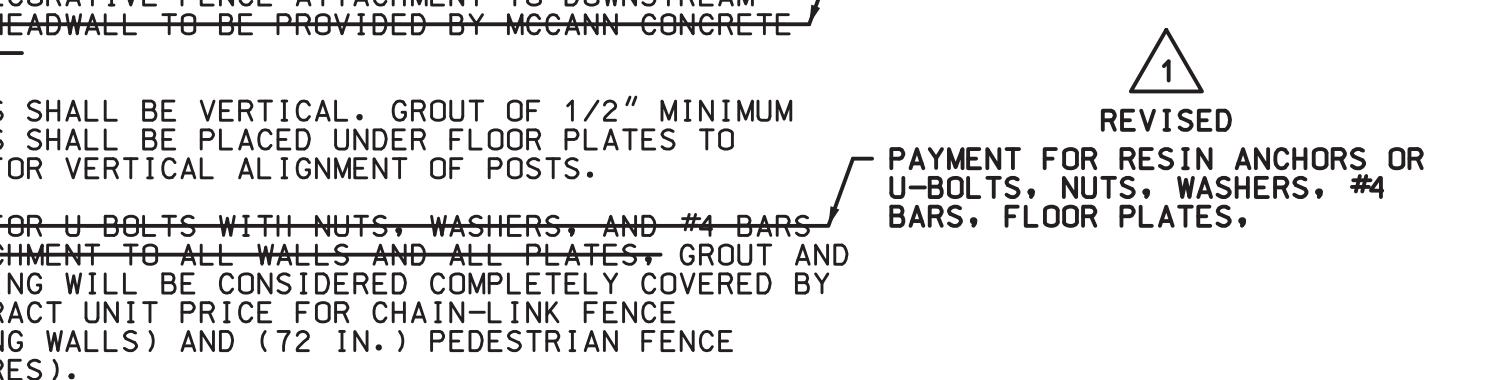
If the text of the certification above is incorrect, the bidder or subcontractor making the certification shall correct it below:

NOTE: This certification applies to and must be executed by each bidder or proposed subcontractor if the proposed contract or subcontract on this Project will equal or exceed \$10,000 or that the bidder or subcontractor has contracts or subcontracts on federally assisted projects in any 12-month period which have or can reasonably be expected to have, an aggregate total value exceeding \$10,000. See, 41 CFR Part 60-1.5(a)(1). It is a duty and contract obligation of the successful bidder to insure that each of its subcontractors, which meet this criterion, executes and submits this certification.

Company: _____

By: _____ Date: _____

Title: _____



045_Structure Layout_R1.dgn

Path: J:\StCharles\MO190434-01_Skinners\TurnSewer\Draw\Sheets\G-002_GENERAL_NOTES.dwg
Date: Tuesday, February 18, 2020 10:44:21 AM

LEGEND			
	RIGHT-OF-WAY BOUNDARY		EXISTING MANHOLE
	EXISTING EASEMENT		PROPOSED MANHOLE
	PROPOSED EASEMENT		EXISTING UTILITY POLE
	TEMPORARY EASEMENT		EXISTING SIGN
	LOT LINE/PROPERTY LINE		EXISTING R.O.W. MARKER
	SETBACK		EXISTING TELEPHONE BOX
	PROPOSED STORM SEWER/ CULVERT		EXISTING FENCEPOST
	EXISTING STORM SEWER/ CULVERT		EXISTING MAILBOX
	EXISTING CONTOUR		EXISTING JUNCTION BOX
	EXISTING GAS MAIN		EXISTING PROPERTY CORNER PIN
	EXISTING UNDERGROUND ELECTRIC		EXISTING TREE
	EXISTING TELEPHONE		EXISTING VALVE
	PROPOSED SANITARY SEWER		BENCHMARK
	EXISTING SANITARY SEWER		CONTROL POINT
	PROPOSED FENCE		
	EXISTING FENCE		
	PROPOSED SILT FENCE		
	EXISTING OVERHEAD ELECTRIC		
	FLOODPLAIN BOUNDARY		
	WATER SERVICE LINE		
	PROPOSED WATER MAIN		
	EXISTING FORCEMAIN		

ABBREVIATIONS

B.F.	BLIND FLANGE / BOTH FACE
BIT.	BITUMINOUS CONCRETE
CL	CENTERLINE
CONC.	CONCRETE
C.A.	COARSE AGGREGATE
C.M.P.	CORRUGATED METAL PIPE
CPLG.	COUPLING
C.Y.	CUBIC YARD
DIA.	DIAMETER
D.I.P.	DUCTILE IRON PIPE
EA.	EACH
E.F.	EACH FACE
EL. OR ELEV.	ELEVATION
E.W.	EACH WAY
EX. OR EXIS.	EXISTING
F.D.	FLOOR DRAIN
FIN.	FINISHED
FL. OR FLG.	FLANGE
FT.	FOOT OR FEET
FM	FORCE MAIN
GAL.	GALLONS
G.P.M.	GALLONS PER MINUTE
H.W.L.	HIGH WATER LEVEL
I.D.	INSIDE DIAMETER
I.E. OR INV.	INVERT ELEVATION
LH	LAMPHOLE
L.W.L.	LOW WATER LEVEL
MAX.	MAXIMUM
M.G.D.	MILLION GALLONS PER DAY
MH OR M.H.	MANHOLE
MIN.	MINIMUM
M.J.	MECHANICAL JOINT
M.S.E.	VEGETATED MECHANICALLY STABILIZED EARTH
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
P.E.	PLAIN END
P.V.C.	POLYVINYL CHLORIDE PIPE
R.C.P.	REINFORCED CONCRETE PIPE
R.F.C.A.	RESTRAINED FLANGE COUPLING ADAPTER
SCH.	SCHEDULE
S.D.G.	SLIDE GATE
S.G.B.	SELECT GRANULAR BACKFILL
S.L.G.	SLUICE GATE
S.T.G.	STOP GATE
S.Y.	SQUARE YARD
T.B.A.	TO BE ABANDONED
T.B.R.	TO BE REMOVED
T.B.R&R	TO BE REMOVED & REPLACED
T. & B.	TOP AND BOTTOM
T.O.C.	TOP OF CONCRETE
T.O.S.	TOP OF STEEL
T.R.M.	TURF REINFORCEMENT MAT
TYP.	TYPICAL
U.I.P.	USE IN PLACE
V.F.D.	VARIABLE FREQUENCY DRIVE
W.S.L.	WATER SURFACE LEVEL

HORIZONTAL CONTROL

HC #	DESCRIPTION	COORDINATES
PNT #1	103 @ 1/2 IN REBAR	N 1092223.70 E 813262.80 ELEV. 442.05
PNT #2	103 @ 1/2 IN REBAR	N 1092228.11 E 815412.95 ELEV. 441.57
PNT #3	103 @ CUT X IN CONC	N 1092180.95 E 815452.58 ELEV. 442.24
PNT #5	103 @ 1/2 IN REBAR	N 1092291.00 E 815488.69 ELEV. 443.61
PNT #10	103 @ 1/2 IN REBAR	N 1092220.17 E 814407.37 ELEV. 442.24
PNT #11	103 @ 1/2 IN REBAR	N 1092221.25 E 814686.44 ELEV. 442.17
PNT #12	103 @ 1/2 IN REBAR	N 1092255.62 E 814952.84 ELEV. 442.18
PNT #13	103 @ 1/2 IN REBAR	N 1092264.67 E 815197.41 ELEV. 441.31
PNT #14	103 @ 1/2 IN REBAR	N 1092270.03 E 815367.59 ELEV. 442.17
PNT #22	103 @ 1/2 IN REBAR	N 1092048.56 E 815169.22 ELEV. 446.18
PNT #24	103 @ CUT X IN CONC	N 1092167.17 E 815382.17 ELEV. 441.52
PNT #25	103 @ CUT X IN CONC	N 1092137.10 E 815322.39 ELEV. 435.32
PNT #26	103 @ CUT X IN CONC	N 1092155.33 E 815217.98 ELEV. 439.19

BENCHMARKS

BM #	DESCRIPTION	ELEVATION
BM #1	"X" CUT IN N.E. BOLT OF FIRE HYDRANT (BETWEEN 'E' AND 'L' OF MUELLER). FIRE HYDRANT LOCATED ON THE WEST SIDE OF NEW TOWN BLVD. JUST SOUTH OF SKINNER INDUSTRIAL DRIVE.	446.797

SEWER - SUMMARY OF QUANTITIES

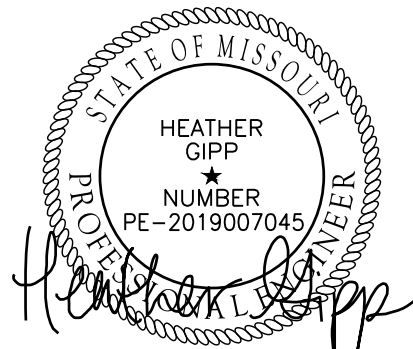
ITEM NO.	PAY ITEM	QUANTITY	UNITS
1	10" PVC SDR 26 PIPE GRAVITY SEWER, OPEN CUT	230	LF
2	10" PVC SDR 35 PIPE GRAVITY SEWER, OPEN CUT	26	LF
3	CAPPED 12" PVC SEWER	5	LF
4	27" PVC PS115 PIPE GRAVITY SEWER, OPEN CUT	71	LF
5	27" PVC PS46 PIPE GRAVITY SEWER, OPEN CUT	1908	LF
6	30" DUCTILE IRON PIPE GRAVITY SEWER WITH 42" CONCRETE CASING, OPEN CUT	68	LF
7	PRECAST CONCRETE MANHOLE W/ BOLTED FRAME/LID, 6' DEEP, 4' DIA.	8	EA
8	PRECAST CONCRETE MANHOLE W/ BOLTED FRAME/LID, 6' DEEP, 5' DIA.	1	EA
9	PRECAST CONCRETE MANHOLE, 6' DEEP, 4' DIA.	1	EA
10	PRECAST CONCRETE MANHOLE, 6' DEEP, 6' DIA.	1	EA
11	PRECAST CONCRETE MANHOLE W/ BOLTED FRAME/LID, AND STUB FOR FEDEX	1	EA
12	ADDITIONAL FOOT OF MANHOLE	64	VLF
13	REMOVE EXISTING MANHOLE	1	EA
14	ABANDON EXISTING MANHOLE	6	EA
15	REMOVE EXISTING 27" SANITARY SEWER	285	LF
16	ABANDON EXISTING 27" SANITARY SEWER	310	CY
17	REMOVE/REPLACE UNSUITABLE SUBGRADE	620	CY
18	RELOCATE 2" WATER SERVICE LINE	1892	LF
19	FLOWABLE FILL	91	CY
20	RIP RAP	44	CY
21	SELECT GRANULAR BACKFILL	250	CY
22	RELOCATE EXISTING 28" STEEL PIPE	1	LS
23	CONNECTION TO EXISTING FORCEMAIN	1	EA
24	TIE-IN EXISTING SERVICE CONNECTION	4	EA
25	SEEDING AND FERTILIZATION	1	AC
26	BYPASS PUMPING	1	LS
27	AS-BUILT DRAWINGS	1	LS

1



License No. OFFICE NUMBER

CONSULTANTS



DATE: 1-31-20
EXPIRES: 12-31-21

FEBRUARY 2020
FINAL

TRUNKMAIN
REPLACEMENT - SKINNER
INDUSTRIAL DRIVE

OWNER



CITY OF SAINT CHARLES,
MISSOURI

SAINT CHARLES, MISSOURI

1	2/13/2020	ADDENDUM #1
MARK	DATE	DESCRIPTION

PROJECT NO:	190434-01
CAD DWG FILE:	G-002 GENERAL NOTES.DWG
DESIGNED BY:	HDG
DRAWN BY:	BBA
CHECKED BY:	KSK
APPROVED BY:	HDG
COPYRIGHT: CRAWFORD, MURPHY & TILLY, INC. 2020	

SHEET TITLE

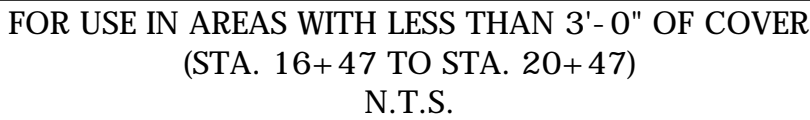
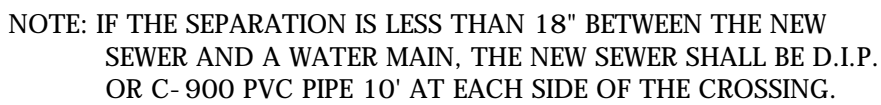
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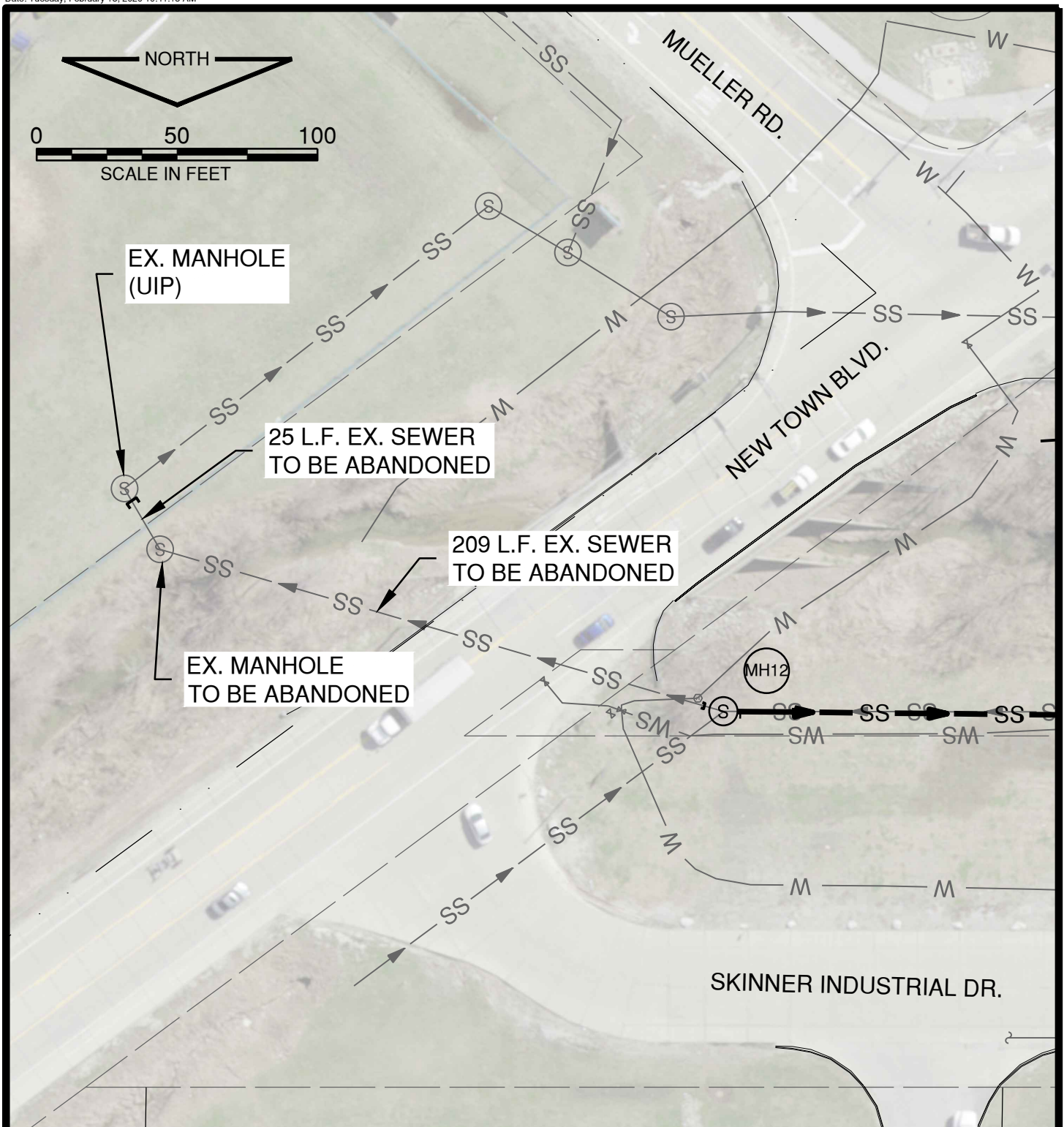
G-003

SHEET 3 OF 15



A triangle with the number 1 inside it.





CITY OF SAINT CHARLES,
MISSOURI

SAINT CHARLES, MISSOURI

SHEET TITLE

ADDENDUM #1 - ADDITIONAL MANHOLE
AND SEWER ABANDONMENT

PROJECT

SKINNER INDUSTRIAL DRIVE TRUNK
SEWER REPLACEMENT AND
INTERSECTION IMPROVEMENTS

OWNER

CITY OF SAINT CHARLES, MO

DRAWING

A-1

REF:

PROJECT NO: 190434-01

DATE: 02/12/2020

CAD DWG FILE:

DRAWN BY: BBA

CHK'D BY: KSK

CITY OF ST. CHARLES
ST. CHARLES, MISSOURI
ROAD IMPROVEMENTS
BID 4470

PLANS FOR 20'-0" X 9'-0" PRECAST BOX CULVERT

MANUFACTURER:

McCANN CONCRETE PRODUCTS, INC.
8709 STATE ROUTE 159
DORSEY, IL 62021
PHONE: 618-377-3888
FAX: 618-377-7746

CONTRACTOR:

CITY OF ST. CHARLES
200 N. SECOND STREET
ST. CHARLES, MO 63301-2851

INDEX OF SHEETS	
SHEET NO.	SHEET TITLE
G1-1	COVER SHEET
1-6	BARREL SECTION
2-6	HEADWALL A & B
3-6	HEADWALL C & D
4-6	HEADWALL E & F
5-6	TOEWALL
6-6	LAYOUT



2/14/20
DSPC COA
2017005621

REVISIONS	
02/12/20	
COVER SHEET	CITY OF ST. CHARLES 200 N. SECOND STREET ST. CHARLES, MO 63301-2851
McCANN CONCRETE PRODUCTS, INC. Precasting To Meet Your Needs 8709 STATE ROUTE 159 DORSEY, IL 62021 PHONE: 618-377-3888 FAX: 618-377-7746	
DESIGNED BY	JOB NO.
DRAWN BY R.W.G.	SHEET G1-1
CHECKED BY	G1-1
DATE 05/02/17	



LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC, AFTER BOX SECTIONS ARE IN PLACE.

STATION	SECTION LENGTHS	SECTION WEIGHTS
	54 PCS @ 5'-8 1/2"	22.95 TONS
	3 PCS @ 5'-9 1/2" GROOVE WITH FLAT END & CORRUGATED PIPE (SEE SHEET 6-6)	22.65 TONS
	3 PCS @ 5'-5 1/2" WITH CORRUGATED PIPE (SEE SHEET 6-6)	21.95 TONS



2017005621

— 1" CHAMFER TYP.

" CL

**LONG. TYPICAL
(INSIDE & OUTSIDE)**

☐

9" WALL

[illegible][illegible]

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[illegible][illegible]

20 X 9 BARREL SECTION

CITY OF ST. CHARLES
200 N. SECOND STREET
ST. CHARLES, MO 63301-2851

McCANN CONCRETE PRODUCTS, INC.
Precasting To Meet Your Needs

Precasting To Meet Your Needs

8709 STATE ROUTE 159

DORSEY, IL 62021
PHONE: 618-377-3888

FAX: 618-377-7746



DESIGNED BY

JOB NO.	
---------	--

DRAWN BY
R.W.G.

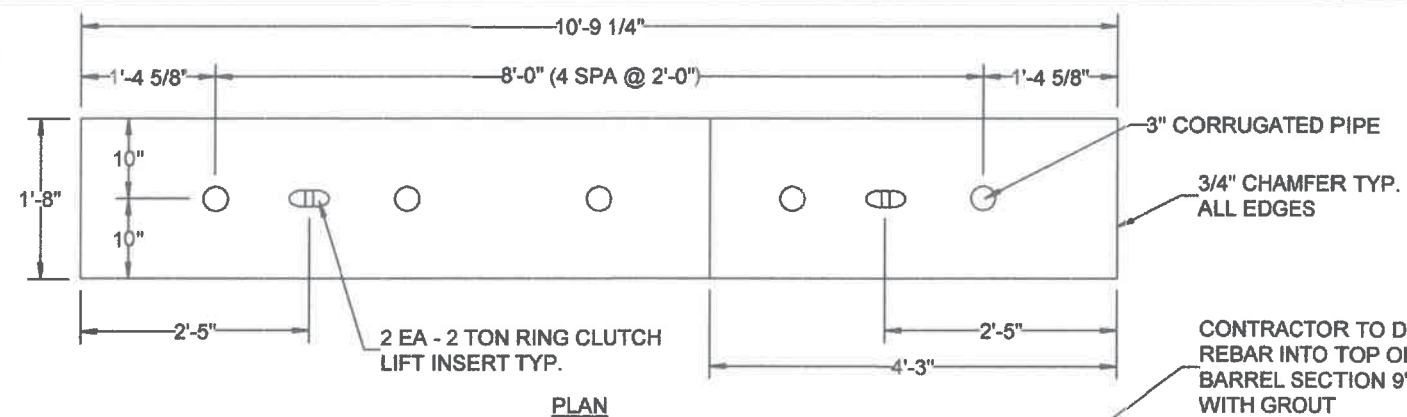
SHEET 1
OF 6

CHECKED BY

10

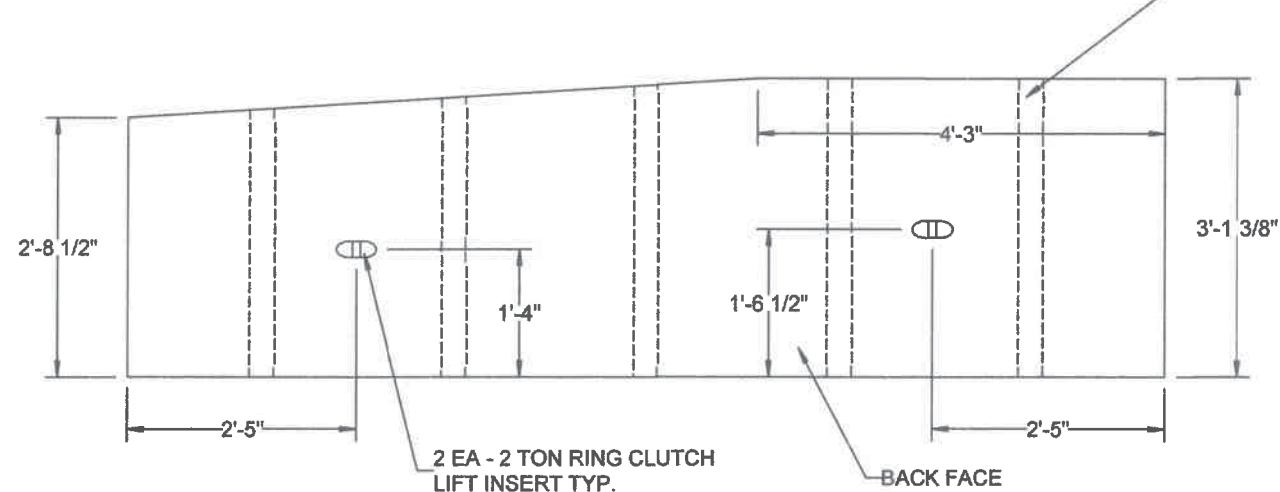
DATE
1/09/20

1-6

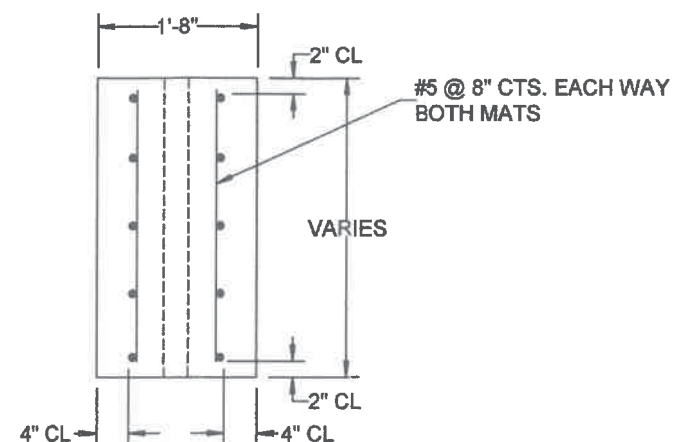


PLAN

CONTRACTOR TO DRILL & EPOXY #5 REBAR INTO TOP OF PRECAST BARREL SECTION 9" & FILL VOID WITH GROUT



ELEVATION



CROSS SECTION

GENERAL NOTES

PRECAST CONCRETE SECTIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PRECAST CONCRETE BOX CULVERTS, LRFD, ASTM DESIGNATION C1577, AND FURTHER SPECIFIED HEREIN AND IN THE DETAILS SHOWN ON THIS DRAWING.

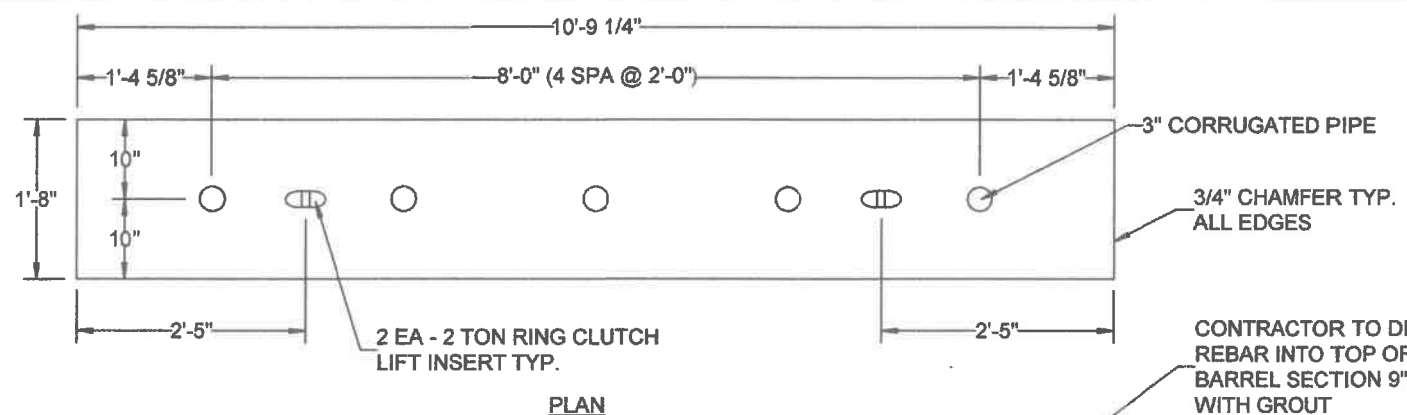
MINIMUM CONCRETE STRENGTH SHALL BE 6,000 P.S.I. AFTER 28 DAYS.

DESIGN COVER 1.5 - 3.5 FEET

REINFORCEMENT SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 GRADE 60.

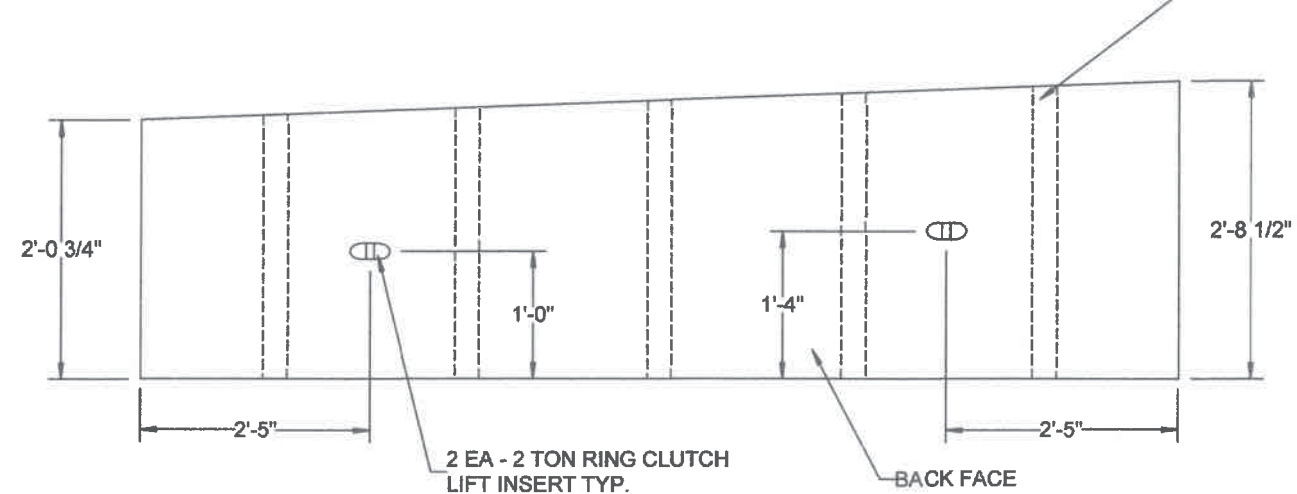
LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC, AFTER BOX SECTIONS ARE IN PLACE.

SECTION A

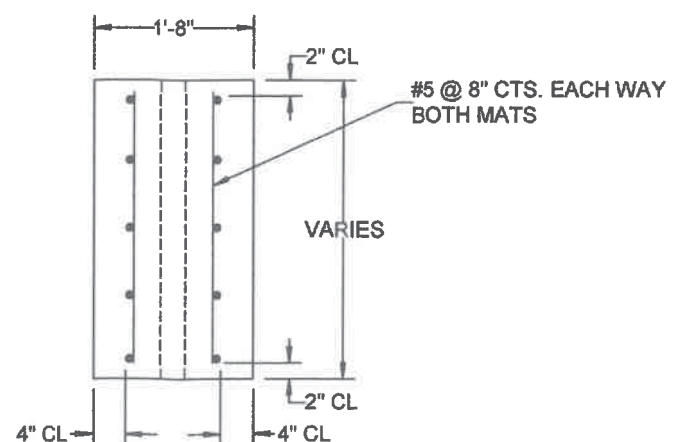


PLAN

CONTRACTOR TO DRILL & EPOXY #5 REBAR INTO TOP OF PRECAST BARREL SECTION 9" & FILL VOID WITH GROUT



ELEVATION



CROSS SECTION

SECTION B



2/14/20
DSPC COA
2017005621

REVISIONS

01/28/20

02/12/20

HEADWALL A & B

CITY OF ST. CHARLES
200 N. SECOND STREET
ST. CHARLES, MO 63301-2851

McCANN CONCRETE PRODUCTS, INC.

Precasting To Meet Your Needs

8709 STATE ROUTE 159
DORSEY, IL 62021
PHONE: 618-377-3888
FAX: 618-377-7746

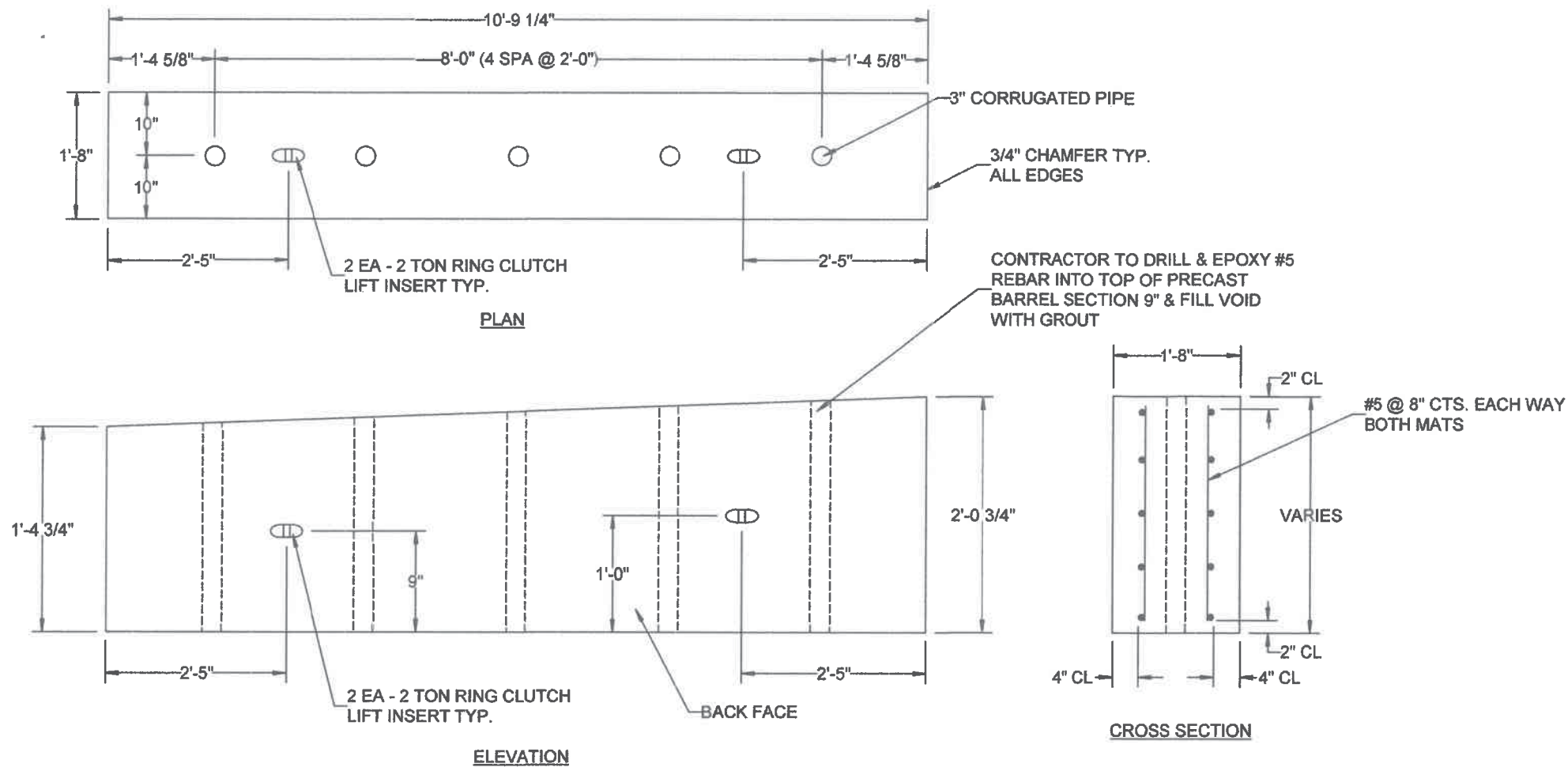


DESIGNED BY JOB NO.

DRAWN BY R.W.G. SHEET 2 OF 6

CHECKED BY

DATE 01/09/20 2-6

**GENERAL NOTES**

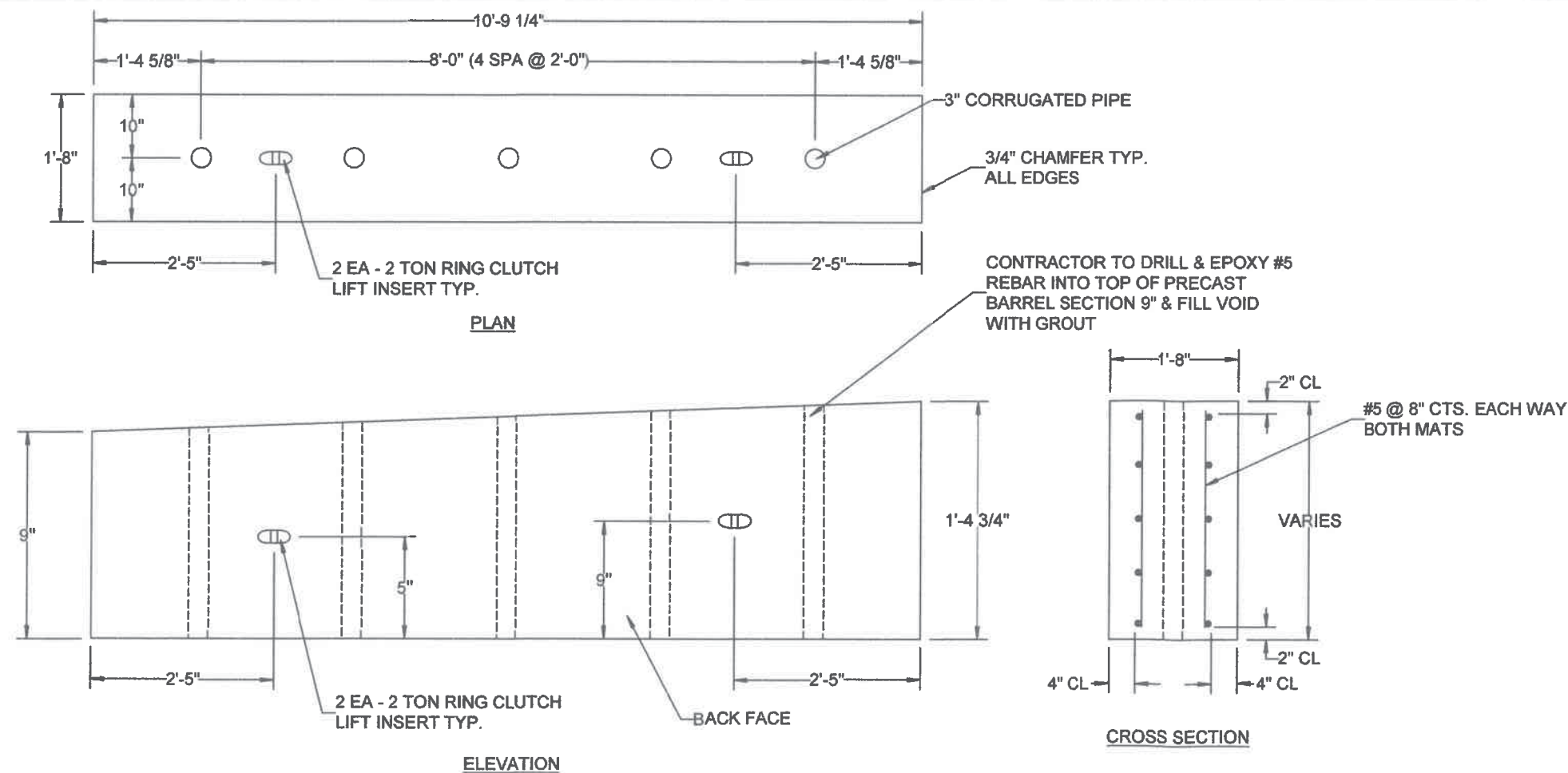
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MINIMUM CONCRETE STRENGTH SHALL BE 6,000 P.S.I. AFTER 28 DAYS.

DESIGN COVER 1.5 - 3.5 FEET

REINFORCEMENT SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 GRADE 60.

LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC, AFTER BOX SECTIONS ARE IN PLACE.

SECTION C**SECTION D**

2/14/20
DSPC COA
2017005621

REVISIONS

01/28/20

02/12/20

HEADWALL C & D

CITY OF ST. CHARLES
200 N. SECOND STREET
ST. CHARLES, MO 63301-2851

McCANN CONCRETE PRODUCTS, INC.

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PHONE: 618-377-3888
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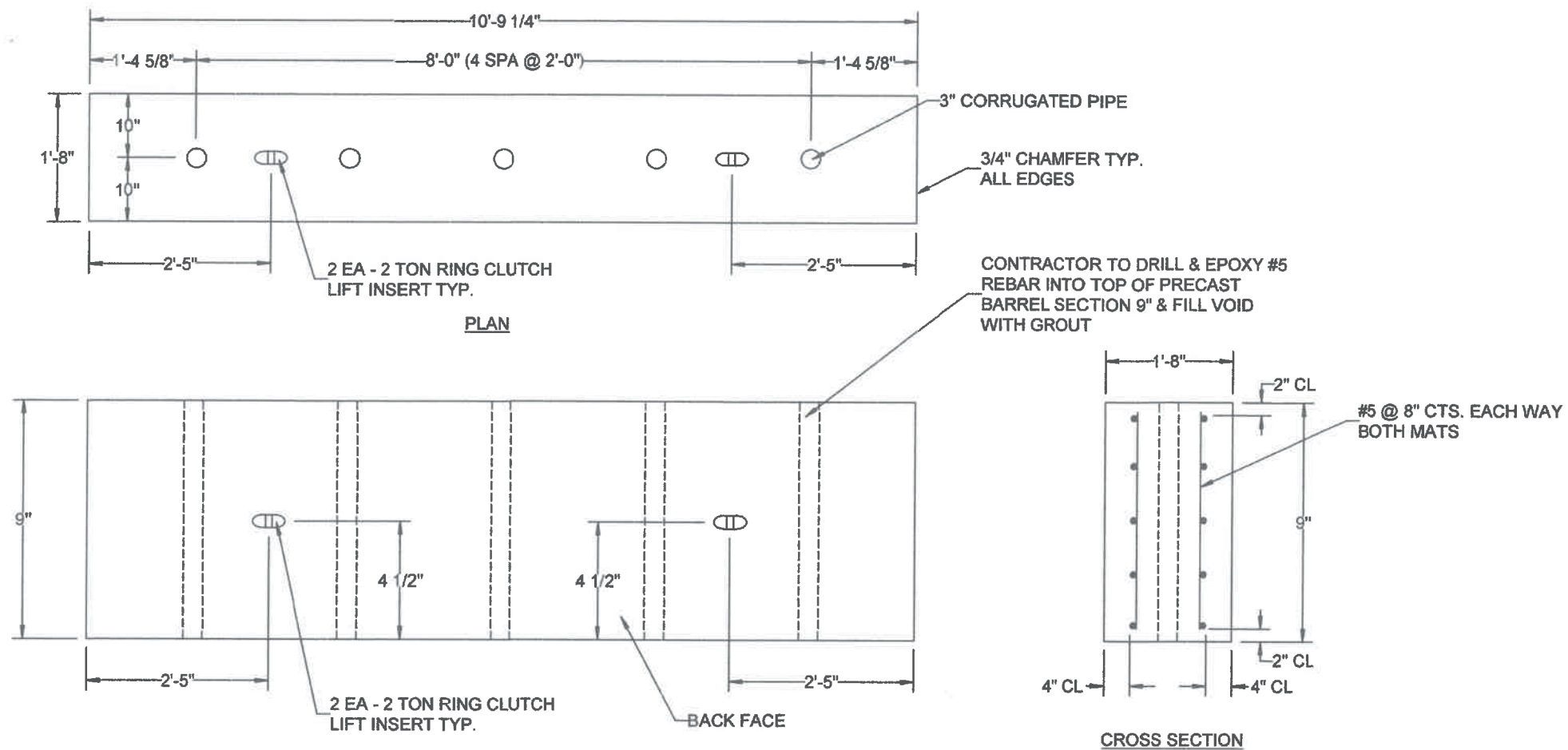
DESIGNED BY JOB NO.

DRAWN BY R.W.G. SHEET 3 OF 6

CHECKED BY

DATE 01/09/20

3-6

GENERAL NOTES

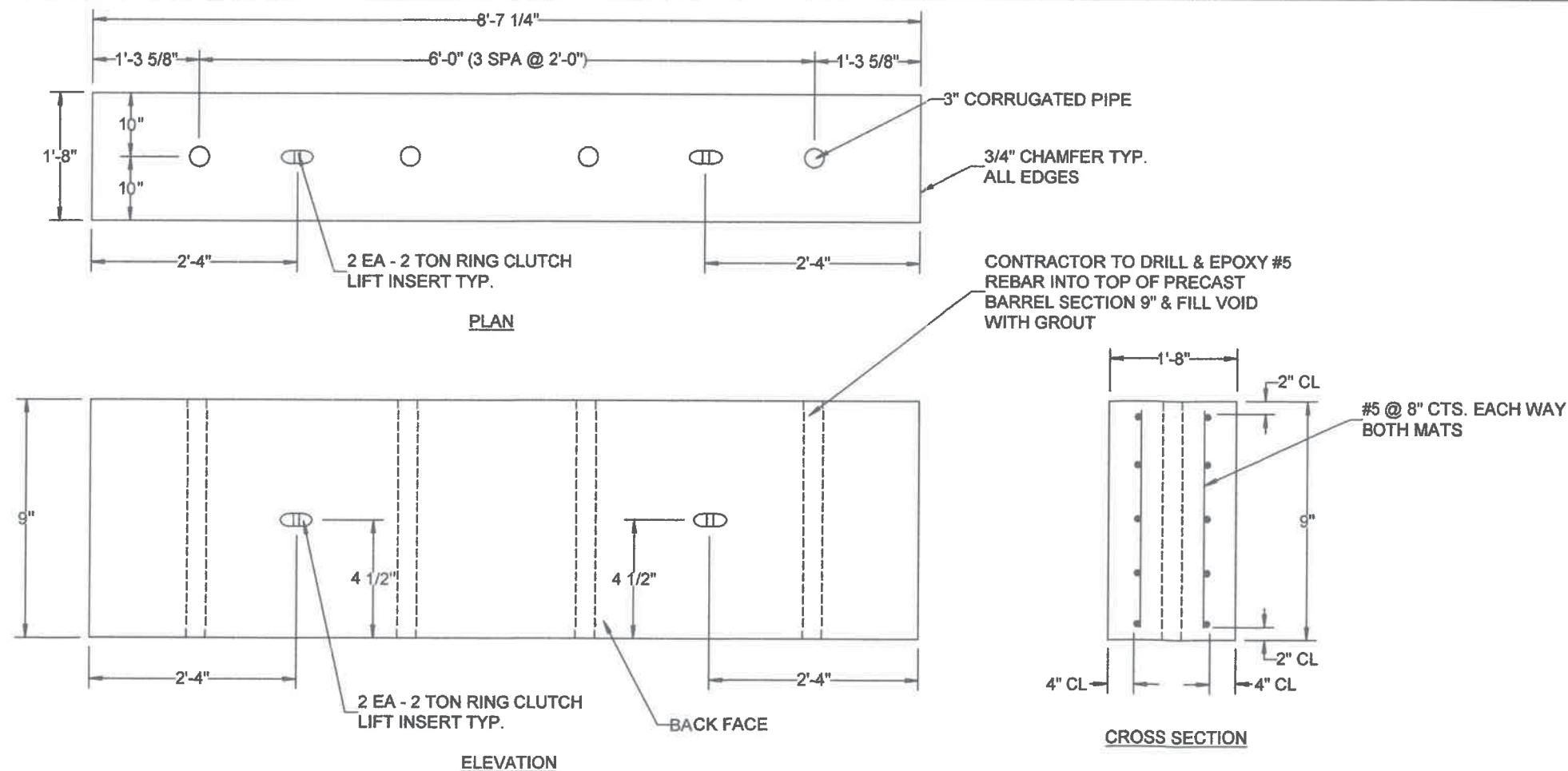
PRECAST CONCRETE SECTIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PRECAST CONCRETE BOX CULVERTS, LRFD, ASTM DESIGNATION C1577, AND FURTHER SPECIFIED HEREIN AND IN THE DETAILS SHOWN ON THIS DRAWING.

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DESIGN COVER 1.5 - 3.5 FEET

REINFORCEMENT SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 GRADE 60.

LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC, AFTER BOX SECTIONS ARE IN PLACE.

SECTION EQUANTITY: 11 TOTALSECTION F

2/14/20

DSPC COA

2017005621

REVISIONS

01/28/20

02/12/20

HEADWALL E & F

CITY OF ST. CHARLES
200 N. SECOND STREET
ST. CHARLES, MO 63301-2851

McCANN CONCRETE PRODUCTS, INC.

Precasting To Meet Your Needs

8709 STATE ROUTE 159
DORSEY, IL 62021
PHONE: 618-377-3888
FAX: 618-377-7746



DESIGNED BY JOB NO.

DRAWN BY R.W.G. SHEET 4 OF 6

CHECKED BY

DATE 01/09/20

4-6

GENERAL NOTES

PRECAST CONCRETE SECTIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PRECAST CONCRETE BOX CULVERTS, LRFD, ASTM DESIGNATION C1577, AND FURTHER SPECIFIED HEREIN AND IN THE DETAILS SHOWN ON THIS DRAWING.

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DESIGN COVER 1.5 - 3.5 FEET

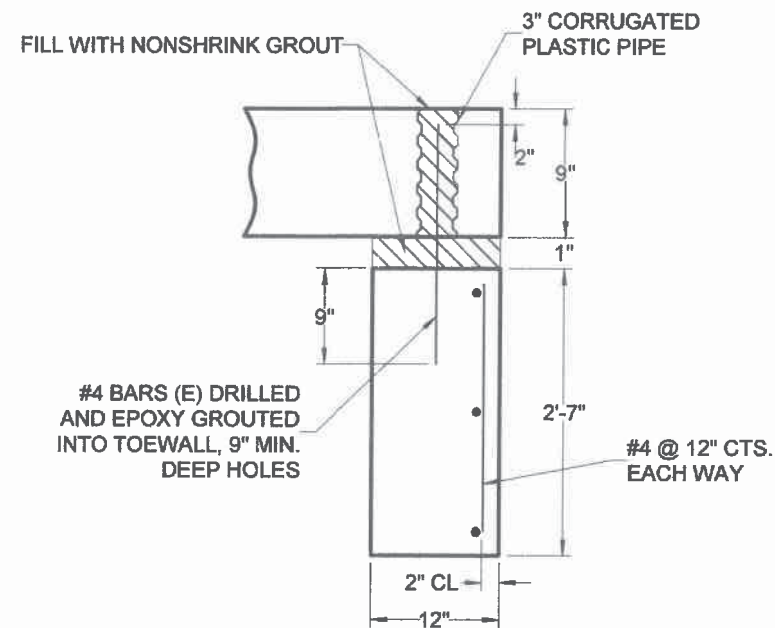
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LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC, AFTER BOX SECTIONS ARE IN PLACE.

REVISIONS

01/28/20

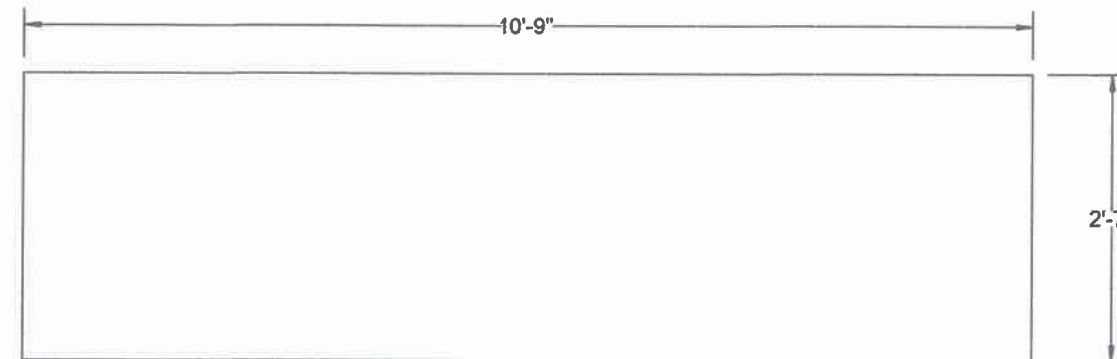
02/12/20

SECTION THRU TOEWALL

(PROVIDE 2 TON RL-22 MEADOWBURKE RAPID LIFT ANCHORS 3'-0" FROM EACH END CENTERED IN THE TOEWALL)

TOEWALL CONSTRUCTION SEQUENCE

1. PERFORM EXCAVATION AND CONSTRUCT TOEWALL.
2. BACKFILL ACCORDINGLY AND PLACE BEDDING FOR PRECAST CULVERT END SECTION.
3. SET PRECAST CULVERT END SECTION.
4. DRILL AND EPOXY GROUT REINFORCEMENT IN TOEWALL.
5. PRESSURE GROUT VOIDS USING NON-SHRINK GROUT.

ELEVATION

QUANTITY: 12 TOTAL



2/14/20

DSPC COA

2017005621

TOEWALL

CITY OF ST. CHARLES
200 N. SECOND STREET
ST. CHARLES, MO 63301-2851

McCANN CONCRETE PRODUCTS, INC.
Precasting To Meet Your Needs



8709 STATE ROUTE 159
DORSEY, IL 62021
PHONE: 618-377-3888
FAX: 618-377-7746

DESIGNED BY JOB NO.

DRAWN BY R.W.G. SHEET 5 OF 6

CHECKED BY

DATE 01/09/20 5-6

GENERAL NOTES

PRECAST CONCRETE SECTIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PRECAST CONCRETE BOX CULVERTS, LRFD, ASTM DESIGNATION C1577, AND FURTHER SPECIFIED HEREIN AND IN THE DETAILS SHOWN ON THIS DRAWING.

MINIMUM CONCRETE STRENGTH SHALL BE 6,000 P.S.I. AFTER 28 DAYS.

DESIGN COVER 1.5 - 3.5 FEET

REINFORCEMENT SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 GRADE 60.

LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC, AFTER BOX SECTIONS ARE IN PLACE.

REVISIONS

01/28/20

02/12/20

LAYOUT

CITY OF ST. CHARLES
200 N. SECOND STREET
ST. CHARLES, MO 63301-2851

McCANN CONCRETE PRODUCTS, INC.
Precasting To Meet Your Needs

8709 STATE ROUTE 159
DORSEY, IL 62021
PHONE: 618-377-3888
FAX: 618-377-7746



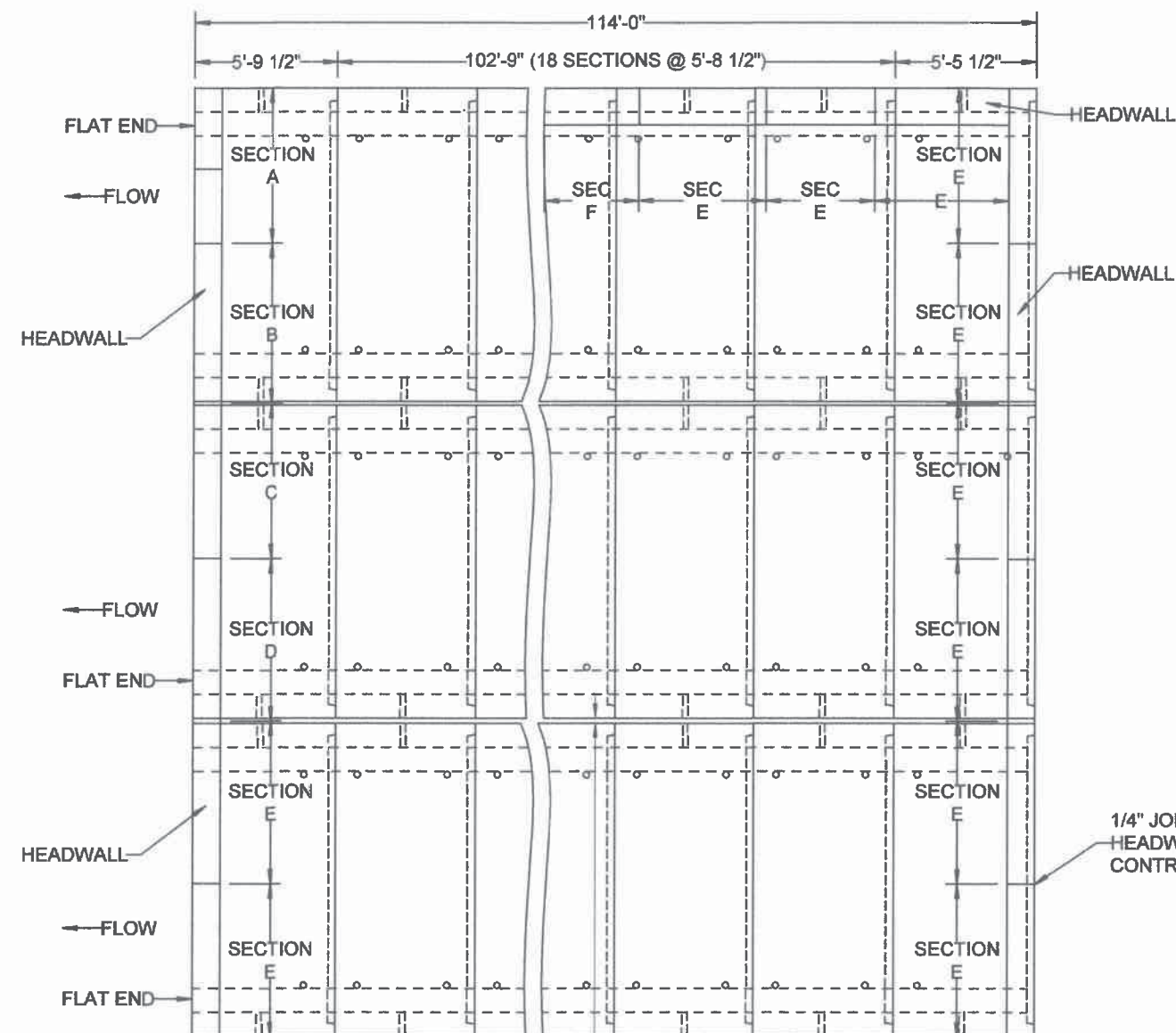
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DRAWN BY R.W.G. SHEET 6 OF 6

CHECKED BY

DATE 01/09/20

6-6

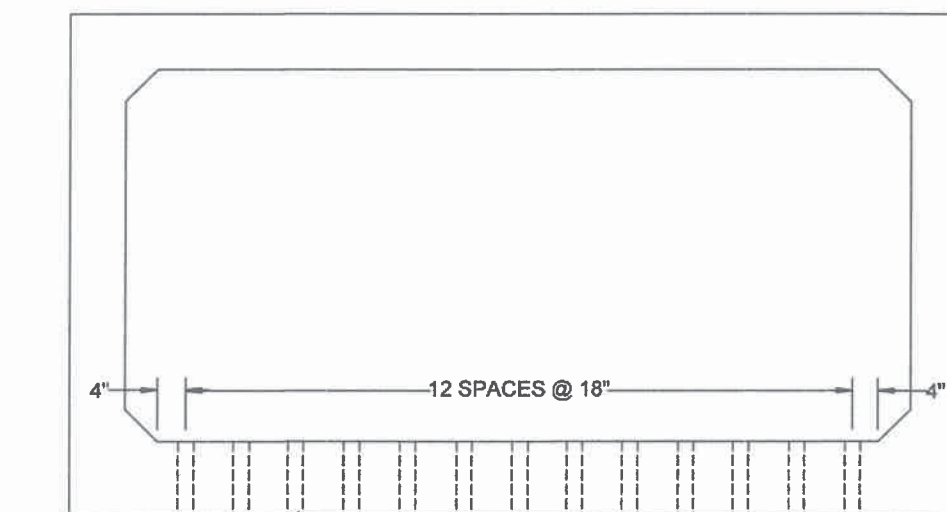


2" GAP BETWEEN
CULVERT RUNS
TYPICAL

20 X 9 CULVERT
PLAN VIEW

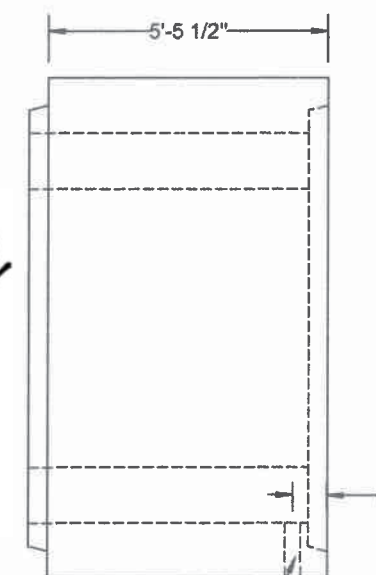


2/14/20
DSPC COA
2017005621



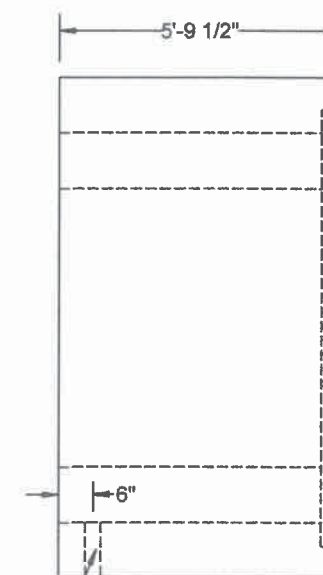
3" CORRUGATED PIPE

END VIEW



3" CORRUGATED PIPE

SIDE VIEW



3" CORRUGATED PIPE

SIDE VIEW

1/4" JOINT FILLER BETWEEN
HEADWALL SECTIONS BY
CONTRACTOR TYPICAL



Memorandum

To: *Plan Holders of the Skinner Industrial Drive Trunkmain Replacement and Intersection Improvements Project Bid No. 4468*

From: *City of Saint Charles and Designer of Record, CMT*

Date: *February 18, 2020*

Subject: *Contractor's Request for Information*

Following are the requests for information received from Skinner Industrial Drive Trunkmain Replacement and Intersection Improvements Project Bid No. 4468 Plan Holders and responses from the City of Saint Charles and Designer of Record, CMT.

Question #1: Would the City allow work outside of normal work hours to meet the aggressive completion milestone?

Response #1: If required to meet the substantial completion milestone, the City will allow working hours for evening, weekends and holidays with prior approval.

Question #2: What is the reason for the aggressive completion schedule?

Response #2: The intersection portion of the project is being funded by sources outside of the City that require the majority of the roadway work to be complete by June 30, 2020. If the roadway work is not substantially complete by this date, the City is at risk of losing funding.

Question #3: What constitutes substantial completion?

Response #3: The roadway construction will be considered substantially complete when the new intersection is open to traffic and operating with temporary signals.

Question #4: Can the water relocation work take place after the box culvert installation? Some thrust blocking looks like it will be compromised when the box culvert is installed.

Response #4: The existing watermain is in conflict with the proposed box culvert, so the watermain must be relocated before box culvert installation. The excavation and bedding for the box culvert can take place before installing the watermain, which is likely the concern regarding the thrust blocks. Then the Contractor can install the watermain, and then install the box culvert.

Question #5: Please provide the latest shop drawings for the box culvert precast sections. Piece weights and picking eye locations for rigging will be necessary.

Response #5: The show drawing has been enclosed with Addendum #1.

Question #6: Are Utility Relocation Plans or drawings from the respective Utility Companies available at this time?

Response #6: Utility Relocation Plans are being finalized. These will be provided to bidders once they are available.

Question #7: The JSP (Sewers) FF. Sanitary Sewer, 9.1 describes a Granular Cradle consisting of MSD 3 from 4" below the pipe to 6" above the pipe. This appears to differ from FF. Sanitary Sewers, 9.3 and also from the Backfill Table on Sheet C-503. Please clarify.

Response #7: The bedding for sanitary sewer shall be per FF, Section 9.1. All sewer construction shall be per MSD standards. The differing information between sections will be clarified in Addendum #1.

Question #8: The Sewer Main is to be backfilled with 12" Flowable Fill cover from Sta. 16+47 – Sta. 20+47 where cover is less than 3'. If the inside diameter of the pipe is 27" it would take a minimum of 14" to cover the crown/top of pipe. Is there a height above the pipe that should be achieved with Flow Fill or is a 12" lift the intent?

Response #8: The intent is 12" over the top of the pipe, starting at the springline of the pipe. The detail is updated via Addendum #1.

Question #9: What are the DBE goals for this project if any?

Response #9: The project does not have a set required DBE goal.

Question #10: The backfill detail behind the precast wing wall to be modified on the existing box culvert will cause the excavation to extend into New Town Blvd. How should this be handled?

Response #10: The 1:1 slope shown for the limits of the select granular backfill should extend as far as possible and extend vertical to prevent conflict with New Town Blvd. The project quantities reflect this assumption.

Question #11: The percent slope per design on the sewer pipe from MH 4 to MH 5 is .1088%. The slope across manholes is 1.25%. What is the allowable tolerance for percent slope of the sewer main?

Response #11: A very shallow slope was required along the majority of the 27" sewer in order to maintain vertical separation with the existing 32" forcemains while still maintaining depth of cover on the upstream portion of the sewer. The minimum allowable slope for 27" pipe in the MDNR Wastewater Guidelines and Standards Document is 0.067%. An installed slope less than 0.067% will not be acceptable. Sewers with grades greater than the design slope may be left in place, provided the grade does not force other sewers to grades less than the minimum allowable slope. If necessary, the amount of elevation drop in each manhole can be adjusted slightly, per approval by Inspector, to ensure other pipes meet the design grade when a different pipe is installed at a greater slope.