

Woodbury County Permit No. _____

**PERMIT FOR USE OF COUNTY ROAD/HIGHWAY RIGHT-OF-WAY
FOR OVERHEAD AND/OR BURIED UTILITIES ACCOMMODATION**

REQUEST BY APPLICANT:

Name City of Correctionville Highway Co. Hwy. L36
 Address 312 Driftwood Street, Correctionville, Iowa 51016 Township Rock
 City of Correctionville
 Office Phone 712-372-4791 Local Phone _____ Section: 1/4 of 1/4 Sec
 Type of Utility Installation Sanitary Sewer Forcemain T 88 N, R 42 W
 Plans Prepared By Amanda Goodenow Copy Enclosed x Yes _____ No
 Map Showing Location Enclosed x Yes _____ No
 Utility Location is x cross right-of-way x parallel to right-of-way
 _____ overhead x underground
 Proposed Method of Installation
x tunnel _____ suspend on poles _____ cased
x jack & bore _____ suspend on towers x trench
x open cut _____ plow

Estimated Starting Date JUNE 2021 Estimated Restoration Date NOVEMBER 2021

The Applicant understands and agrees that the permitted work shall comply with all permit provisions and conditions listed on the reverse side hereof, and special provisions listed below or attached hereto, and any and all plans, details, or notes attached hereto and made a part thereof. Applicant is to complete in triplicate and send all copies including plans and maps to Woodbury County Engineer, 759 E. Frontage Road, Merville, IA 51039. One executed copy will be returned to the Applicant.

By [Signature] Title Mayor
 (Signature of Authorized Utility Representative)
 Date 12-10-2020

PERMIT APPROVAL BY PERMITTING AUTHORITY

The foregoing application is hereby approved and permit issued by the Permitting Authority subject to full compliance by the Applicant with all provisions and conditions stated herein and on the reverse side hereof and all attachments hereto.

By [Signature] Title Chairman
 (Signature of Woodbury County Board Chairman)
 Date 1/5/2021

By [Signature] Title County Engineer
 (Signature of Woodbury County Engineer)
 Date 1/5/2021

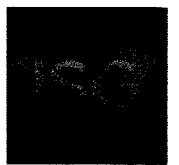
Other Special Provisions:

- Permit Provisions and Conditions of Issuance**
- The County and/or the County Board of Supervisors will not be charged with any responsibility for damages to the Applicant's property occasioned by any construction or maintenance operations on said county roads, including new or additional right-of-way acquired in connection therewith, subsequent to the building of the Applicant's facilities. The Board will endeavor to give the Applicant sufficient notice of any proposed construction or maintenance work, on either existing or newly acquired right-of-way that is likely to expose, cover up, or disturb any facilities belonging to the Applicant, in order that the Applicant may arrange to protect the facilities. The Board will inform contractors, and others working on the job of the location of the facilities so that reasonable care may be taken to avoid damaging the facilities, however the County and the Board of Supervisors will assume no responsibility for failure to give such notice.

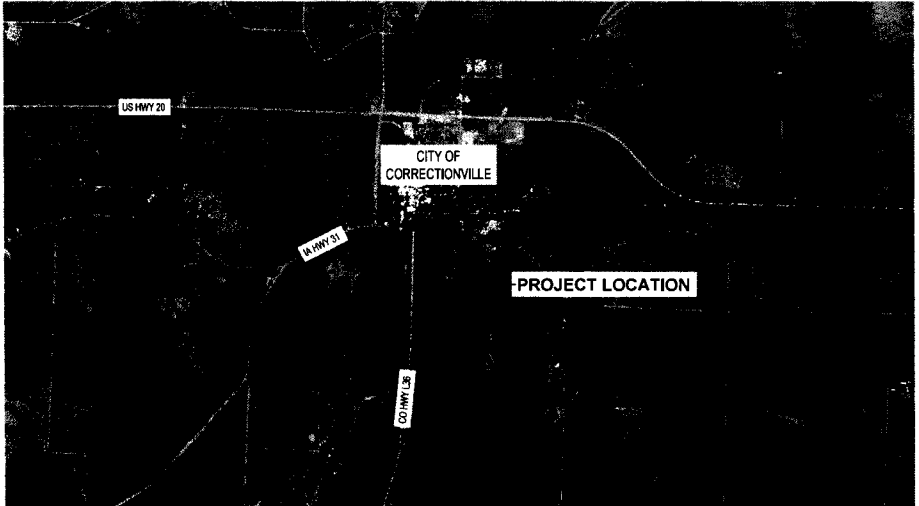
2. The Applicant shall take all reasonable precaution during the construction of said facilities to protect and safeguard the lives and property of the adjacent property owners and the traveling public and shall save the County and the Board of Supervisors harmless of any damages or losses that may be sustained by adjacent property owners and the traveling public on account of such construction operations.
3. Operations in the construction and maintenance of said facilities shall be carried on in such a way as to not interfere with, or interrupt traffic on said roads. However, should the performance of work called for in this permit in any way interfere with or obstruct traffic on said roads, the Applicant shall provide the necessary flagmen as required by the Statutes when one-way traffic is involved and/or otherwise mark said work so as to protect the traveling public.
4. The Applicant shall hold the County and the Board of Supervisors harmless from any damages that may result to said highway because of the construction or maintenance of said facilities and shall reimburse the County or the Board of Supervisors for any expenditures that the County or the Board of Supervisors may have to make on said roads on account of replacement of surfacing gravel and bridge and culvert repairs.
5. Applicant shall lay, construct, operate and maintain said facilities so as not to interfere with natural drainage of the road and so as not to interfere with the construction or maintenance of said roads. When buried cable or wire lines are to be placed lengthwise with the roadway, they shall be placed in the County road shoulder or ditch near the toe of the fore-slope and parallel to centerline of roadbed at a depth of three (3) to four (4) feet by using specially designed plows or by trenching, whichever is appropriate. Plow slots and trenches shall be repacked as necessary to restore the disturbed area to its original condition. For buried line crossings of roadways not paved, an open trench may be dug and the lines placed therein, and the trench back-filled over the lines. Buried line crossings on paved roadways, lines may be placed through the sub-grade by jacking, or by boring a hole just large enough to take the lines; or if the County Engineer approves, a tunnel may be dug through and the cable or wire lines placed therein. All backfill of tunnels and trenches shall be thoroughly compacted in layers of 6" or less in depth. Back-filling of trenches within the right-of-way by not under the traveled roadway shall be tamped sufficiently to avoid settlement. When crossing an existing roadway, all buried facilities shall be placed a minimum of three (3) to four (4) below the bottom of the existing adjacent ditches. Overhead lines, where practical, shall be placed adjacent to and with two (2) feet of the Road/Highway Right-of-Way Line.
6. The Applicant will at any time subsequent to placing the facilities, and at the Applicant's expense, relay, replace, alter, change, reconstruct, or relocate its overhead and/or buried facilities and appurtenances thereto as may become necessary to conform to new grades, alignment, or widening right-of-way, resulting from maintenance or construction operations by the County Board of Supervisors irrespective of whether or not additional right-of-way is acquired in connection with such road improvements. The Applicant agrees to do this within ninety (90) days written notice from the Board of Supervisors, and without cost to the County. If the Applicant is unable to comply within said ninety (90) days, the Board of Supervisors may cause the work to be done and the Applicant will pay the cost thereof upon receipt of statement.
7. All work shall be done in a workmanlike manner; the surrounding ground, slopes, and ditch bottoms shall be reshaped to conform to the area and left in a neat condition satisfactory to the County Engineer. All areas where sod has been damaged or destroyed shall be re-seeded.
8. The Applicant shall notify the County Board of Supervisors at least forty-eight (48) hours in advance of the Applicant's intention of starting work covered by this permit on the road right-of-way. Said notice shall be in writing to the County Engineer.
9. Applicant, its' successors, grantees and assigns shall and hereby agrees to assume all responsibility, risks and liabilities for all accidents and damages that may occur to persons and/or property on account of the work done under this permit, and to this end, indemnify and hold the County and all authorized representatives thereof harmless from any and all claims, damages, losses, and expense including judgements, costs and including attorney's fees, for personal injuries (including death) or property damage arising or resulting from the activities of the Applicant in connection herewith, now and at all times in the future.
10. It is understood that this permit is issued only insofar as Woodbury County has jurisdiction and does not presume to release the Applicant from fulfilling any existing statutes relating to the installation, construction and operation of said facilities.
11. It is further understood that the facilities covered by this permit shall be constructed or installed within one (1) year after the date of approval of this permit, unless otherwise extended in writing by Woodbury County.
12. Engagement in the operations as herein applied for by the Applicant shall be considered and constitute an acceptance of all the terms and conditions herein set forth.

CITY OF CORRECTIONVILLE SECTION 1 SANITARY FORCEMAIN REPLACEMENT

CORRECTIONVILLE, IOWA CONSTRUCTION PLANS ISG PROJECT # 20-24317



LEGEND	
EXISTING	
---	CITY LIMITS
----	SECTION LINE
- . - .	QUARTER SECTION LINE
----	RIGHT OF WAY LINE
-----	PROPERTY / LOT LINE
-----	EASEMENT LINE
- - - -	ACCESS CONTROL
-----	WATER EDGE
-----	WETLAND BOUNDARY
-----	WETLAND / MARSH
-▲-▲-▲-	FENCE LINE
->>>>-	CULVERT
->>>>-	STORM SEWER
->>>>-	SANITARY SEWER
->>>>-	SANITARY SEWER FORCEMAIN
-----	WATER
-----	GAS
-----	OVERHEAD ELECTRIC
-----	UNDERGROUND ELECTRIC
-----	UNDERGROUND TELEPHONE
-----	UNDERGROUND TV
-----	OVERHEAD UTILITY
-----	UNDERGROUND UTILITY
-----	UNDERGROUND FIBER OPTIC
-----	CONTOUR (MAJOR)
-----	CONTOUR (MINOR)
-----	DECIDUOUS TREE
-----	CONIFEROUS TREE
-----	TREE LINE
○	MANHOLE/STRUCTURE
○	CATCH BASIN
○	HYDRANT
○	VALVE
○	CURB STOP
○	POWER POLE
○	UTILITY PEDESTAL / CABINET
PROPOSED	
-----	LOT LINE
-----	RIGHT OF WAY
-----	EASEMENT
->>>>-	CULVERT
->>>>-	STORM SEWER
->>>>-	STORM SEWER (PIPE WIDTH)
->>>>-	SANITARY SEWER
->>>>-	SANITARY SEWER (PIPE WIDTH)
-----	WATER
-----	GAS
-----	OVERHEAD ELECTRIC
-----	UNDERGROUND ELECTRIC
-----	UNDERGROUND TV
-----	CONTOUR
○	MANHOLE
○	CATCH BASIN
○	HYDRANT
○	VALVE



ABBREVIATIONS:													
AC	ACR	CMP	CORRUGATED METAL PIPE	FON	FOUNDATION	HR	HOUR	MB	MAIL BOX	PVC	POLYVINYL CHLORIDE	TEL	TELEPHONE
ADA	AMERICANS WITH DISABILITIES ACT	CO	CLEANOUT	FEE	FINISHED FLOOR ELEVATION	MFL	HIGH WATER LEVEL	MCH	MECHANICAL	PKMT	PAVEMENT	TEMP	TEMPORARY
ADD	ADDENDUM	CONC	CONCRETE	FRM	FEET PER MINUTE	HWT	HIGHWAY	MH	MANHOLE	TRBU	TRUSS	THRU	THROUGH
AFI	ABOVE FINISHED FLOOR	CONST	CONSTRUCTION	FT	FEET	MWD	MINOR	MIN	MINIMUM	RAO	RADIUS	TRFN	TOP OUT OF FIRE HYDRANT
AGG	AGGREGATE	CONT	CONTINUOUS	FT	FOOT, FEET	I	INVERT	MSC	MISCELLANEOUS	RCF	REINFORCED CONCRETE PIPE	TRANS	TRANSFORMER
APPROX	APPROXIMATE	CT	CURB, CURB	FTG	FOOTING	ID	INSIDE DIAMETER	NO	NUMBER	RD	ROAD SIGN	TV	TELEVISION
ARCH	ARCHITECT, ARCHITECTURAL	C&G	CURB AND GUTTER	GA	GAUGE	IN	INCH	NTS	NOT TO SCALE	REBAR	REINFORCING BAR	T/W	TOP OF WALL
BL	BASEMENT FLOOR ELEVATION	DEMO	DEMOLITION	GAL	GALLON	NY	PIPE IN	RWL	NORMAL WATER LEVEL	REM	REMOVES	RY	RIGHT OF WAY
BT	BASEMENT	DIA	DIAMETER	GAV	GALVANIZED	#	IRON PIPE SIZE	OC	OPEN CENTER	ROW	RIGHT OF WAY	UT	UTILITY
CAD	COMPUTER-AIDED DESIGN	DM	DIMENSION	GC	GENERAL CONTRACTOR	PS	IRON PIPE SIZE	OCW	OPEN CENTER EACH WAY	R/W	RIGHT OF WAY	UT	UTILITY
CB	CATCH BASIN	DS	DOWNSPOUT	GRE	GARBAGE FLOOR ELEVATION	JBCK	JUNCTION BOX	OH	OVERHEAD	SAN	SANITARY	VEP	VITRIFIED CLAY PIPE
CS	CURB	EA	EACH	GL	GUTTER LINE	IT	INCH	OND	OVERHEAD DOOR	SCH	SCHEDULE	W/O	WITHOUT
CS	CURB FOOT	ELC	ELECTRICAL	GPM	GALLONS PER MINUTE	LF	LINEAR FEET	OZ	OUNCE	SF	SQUARE FOOT	W/	WITH
CP	CAST IRON PIPE	ELEV	ELEVATION	GR	GROUT	LN	LINEAR	PER	PERCENT	SPC	SPECIFICATION	W/O	WITHOUT
CPC	CAST IN PLACE CONCRETE	EQ	EQUAL	HPI	HIGH DENSITY POLYETHYLENE	LP	LOW PRESSURE STEAM	PL	PROPERTY LINE	SQ	SQUARE	Y	YARD
CL	CENTRAL POINT	EQ	EQUAL	HD	HEAVY DUTY	LS	LUMP SUM	PL	PROPERTY LINE	STA	STATION	Y	YARD
CL	CENTRELINE	EQ	EQUAL	HOR	HORIZONTAL	LSO	LOW STRESS STRUCTURAL OPENING	PP	POLYPROPYLENE	SQ	SQUARE YARD	Y	YARD
		EQ	EQUAL	HC	HIGH CAPACITY CONVECTION	HORIZ	HORIZONTAL	PS	POUNDS PER SQUARE INCH	T/C	TOP OF CURB	Y	YARD

PROJECT INDEX:

OWNER:
CITY OF CORRECTIONVILLE
312 DRIFTWOOD STREET
CORRECTIONVILLE, IOWA 51016
PH: (712) 372-4791

PROJECT ADDRESS / LOCATION:
W 1/2 SECTION 6, T-88-N, R-42-W

**ROCK TWP
CORRECTIONVILLE, IOWA**

MANAGING OFFICE:

STORM LAKE OFFICE
1726 LAKE AVE. NORTH
STORM LAKE, IA 50088
PHONE: 712.732.7748

PROJECT MANAGER: AMANDA GOODENOW
EMAIL: AMANDA.GOODENOW@CSCINC.COM

SPECIFICATIONS REFERENCE

ALL CONSTRUCTION SHALL COMPLY WITH THE CITY OF CORRECTIONVILLE REQUIREMENTS AND WITH THE 2000 EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.

PROJECT DATUM

HORIZONTAL COORDINATES HAVE BEEN REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83), 1998 ADJUSTMENT ZONE 14, IN U.S. SURVEY FEET. ELEVATIONS HAVE BEEN REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). RTK GPS METHODS WERE USED TO ESTABLISH HORIZONTAL AND VERTICAL COORDINATES FOR THIS PROJECT.

B.M. ELEVATION = 1133.66
FAULMOUR ROADWAY OF 138 ONE-HALF MILE SOUTH OF INTERSECTION OF IA-31 AND I36 ADJACENT TO FARM ENTRANCE

TOPOGRAPHIC SURVEY
THIS PROJECT'S TOPOGRAPHIC SURVEY CONISTS OF DATA COLLECTED IN OCTOBER 2020 BY ISG.

SHEET INDEX	
A.01	TITLE SHEET
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MSA.02	PLAN AND PROFILE
MSA.03	PLAN AND PROFILE
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MSA.12	PLAN AND PROFILE
MSA.13	PLAN AND PROFILE
MSA.14	PLAN AND PROFILE
MSA.15	PLAN AND PROFILE
MSA.16	PLAN AND PROFILE

SEAL

I hereby certify that this engineering document was prepared by me or under direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Amanda Goodenow 10/12/2020

(Signature) (Date)

Printed or typed name: AMANDA L. GOODENOW
License number: 25734
My license renewal date is December 31, 2022.

Pages or sheets covered by this seal: ALL SHEETS.

PROJECT GENERAL NOTES

1. ALL WORK SHALL conform TO THE CONTRACT DOCUMENTS, WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE OWNER - CONTRACTOR AGREEMENT, THE PROJECT MANUAL (WHICH INCLUDES GENERAL SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS), DRAWINGS OF ALL DISCIPLINES AND ALL ADDENDA, MODIFICATIONS AND CLARIFICATIONS ISSUED BY THE ARCHITECT/ENGINEER.
2. CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE GENERAL CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT AND COMPLETE COORDINATION OF ALL WORK.
3. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
4. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
5. DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED THROUGHOUT THE WORK. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO DETAILS SHOWN, WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
6. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, CLEANED AND CONDITIONED ACCORDING TO MANUFACTURERS' INSTRUCTIONS, IN CASE OF DISCREPANCIES BETWEEN MANUFACTURERS' INSTRUCTIONS AND THE CONTRACT DOCUMENTS, NOTIFY ENGINEER BEFORE PROCEEDING WITH THE WORK.
7. ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
8. THE LOCATION AND TYPE OF ALL INPLACE UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE ACCURATE AND COMPLETE TO THE BEST OF THE KNOWLEDGE OF I & S GROUP, INC. (I & S) HAS NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION AND ELEVATIONS OF ALL INPLACE UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM PLAN.
9. THE CONTRACTOR IS TO CONTACT "IOWA ONE CALL" FOR UTILITY LOCATIONS, MINIMUM 2 BUSINESS DAYS PRIOR TO ANY EXCAVATION / CONSTRUCTION (1-800-292-4869).



NOTE
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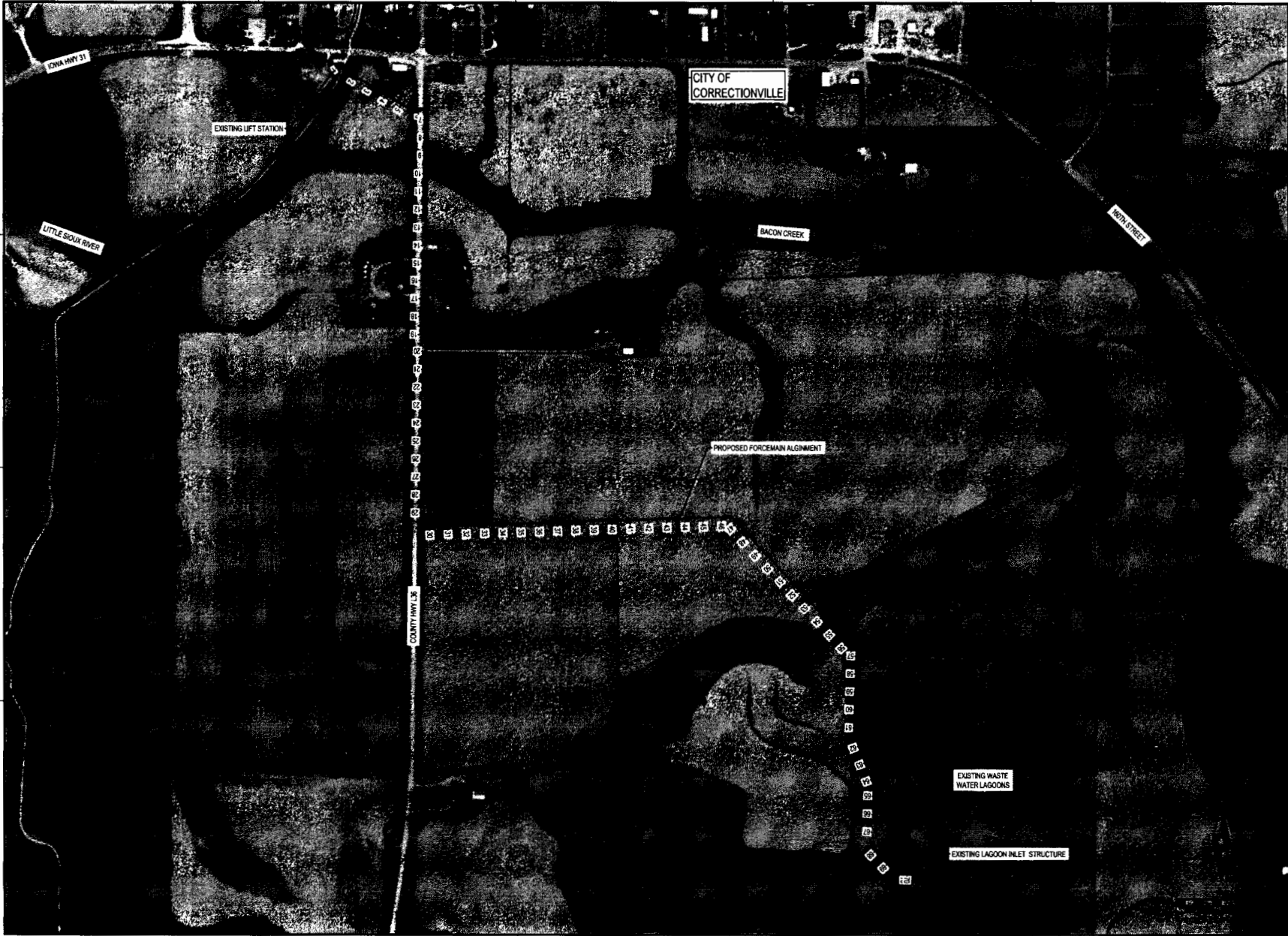
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REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO. 20-24317
FILE NAME 24317 TITLE
DRAWN BY AGR
DESIGNED BY ALM / ALG
REVIEWED BY ALG
ORIGINAL ISSUE DATE: 10/11/2020
CLIENT PROJECT NO. -

TITLE SHEET

SHEET **A.01**



CITY OF
CORRECTIONVILLE

EXISTING LIFT STATION

IOWA HWY 51

LITTLE SIOUX RIVER

BACON CREEK

HWY 52

PROPOSED FORCEMAIN ALIGNMENT

COUNTY HWY 52

EXISTING WASTE
WATER LAGOONS

EXISTING LAGOON INLET STRUCTURE



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PROJECT
**CITY OF
CORRECTIONVILLE**
**SECTION 1 -
SANITARY FORCEMAIN
REPLACEMENT**

CORRECTIONVILLE IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO. 20-24317
FILE NAME 24317 OVERALL SITE
DRAWN BY MJR
DESIGNED BY MJR / ALG
REVIEWED BY ALG
ORIGINAL ISSUE DATE 12/11/2020
CLIENT PROJECT NO. -

TITLE
**OVERALL SITE
MAP**

SHEET
MSA.01