UPPER MAIN TILE DIVERSION DRAINAGE DISTRICT NO. 9 HARDIN COUNTY, IOWA

PROJECT - LOCATION

30 29 \(\frac{1}{2}\) 28 \(\frac{1}{2}\) 30 \(\frac{1}{2}\) 31 \(\frac{1}{2}\) 32 \(\frac{1}{2}\) 33 \(\frac{1}{2}\) 34 \(\frac{1}{2}\) 35 \(\frac{1}{2}\) 35 \(\frac{1}{2}\) 35 \(\frac{1}{2}\) 36 \(\frac{1}{2}\) 37 \(\frac{1}{2}\) 38 \(\frac{1}{2}\) 37 \(\frac{1}{2}\) 38 \(\frac

2020

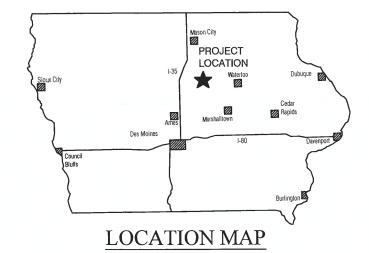
INDEX OF SHEETS

SHEET	DESCRIPTION	
1	COVER SHEET	
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3	PLAN AND PROFILE	
4	DETAILS	



NOTES:

- 1. THE PLANS & SPECIFICATIONS PREPARED BY CGA SHALL GOVERN. ALL WORK SHALL COMPLY WITH THE DETAILS & SPECIFICATIONS REFERENCED.
- 2. CONTRACTOR SHALL CONTACT IOWA ONE-CALL TO OBTAIN UTILITY LOCATES PRIOR TO STARTING CONSTRUCTION.
- 3. ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED OR INCREASED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.
- 4. ALL ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON 2019 SURVEY.



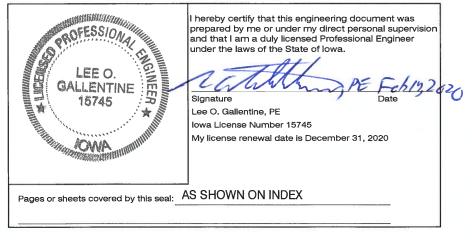
VICINITY MAP

NOT TO SCALE



Ciapsaddie-Garber Associates, inc

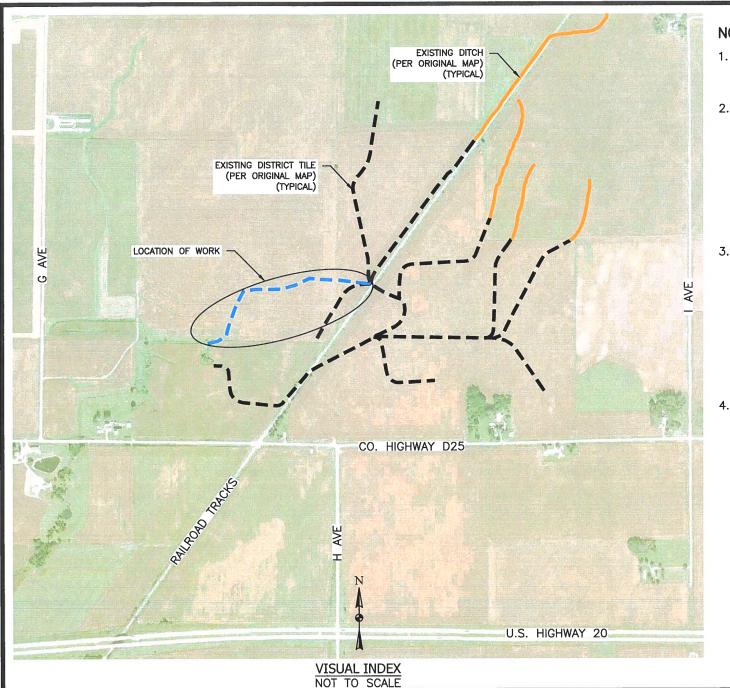
Toll Free (800) 542-7981 www.coaconsultants.com



DS\6735.1-COVER.dwg - COVER - 01-02-20

CGA PROJECT NO. 6735.1

SHEET 1 OF 4



NOTES:

- ALL PIPE LENGTHS SHOWN ARE THROUGH ALL STRUCTURES. HOWEVER, CONTRACTOR SHALL BE PAID ONLY FOR ACTUAL PIPE LENGTH INSTALLED IN COMPLETED SYSTEM.
- CONTRACTOR SHALL PROTECT ALL TREES (INCLUDING LIMBS) SHOWN IN THE PROJECT PLANS UNLESS NOTED OTHERWISE. ALL TREES SHALL BE PROTECTED FROM DAMAGE TO TRUNKS, BRANCHES AND ROOTS. NO EXCAVATING, FILLING, GRADING, HAUL ROUTES OR MATERIAL STORAGE SHALL BE WITHIN THE DRIP LINE OF THE TREE(S) UNLESS OTHERWISE INDICATED. IF REQUIRED, CONTRACTOR SHALL PROVIDE BRANCH AND ROOT PRUNING REQUIRED FOR THE MEANS AND METHODS PROPOSED FOR THE NEW WORK BY A REGISTERED ARBORIST IN ADVANCE OF CONSTRUCTION. COST SHALL BE INCLUDED IN THE ASSOCIATED NEW WORK ITEM.
- SOME UTILITIES ARE PLOTTED ON THESE PLANS. THERE MAY BE OTHER, THE EXISTENCE OF WHICH MAY BE KNOWN OR UNKNOWN. THE CONTRACTOR SHALL USE THE CONSTRUCTION PLANS IN CONJUNCTION WITH THE IOWA ONE-CALL SERVICE FOR THE ENTIRE PROJECT PRIOR TO STARTING ANY CONSTRUCTION TO ALLOW REVIEW FOR POSSIBLE UTILITY CONFLICTS. CONTRACTOR SHALL CONTACT ONE-CALL TO OBTAIN UTILITY LOCATES PRIOR TO STARTING CONSTRUCTION. WHERE PROPOSED CONSTRUCTION SHALL CROSS EXISTING UTILITIES, SERVICE, AND TILE LINES, CONTRACTOR SHALL LOCATE AND EXPOSE SAID UTILITIES, SERVICE, AND TILE LINES AT LEAST 24 HOURS PRIOR TO CONSTRUCTION TO ALLOW REVIEW FOR POSSIBLE UTILITY CONFLICTS.
- ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED OR INCREASED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

ARRREVIA	PIONS	
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ADAAG	_	AMERICAN DISABILITIES ACT ACCESSIBILITY GUIDELINES
ВМ	_	BENCHMARK
BOC	_	BACK OF CURB

CDS CUL DE SAC CENTERLINE CL

EG EXISTING GROUND EDGE OF PAVEMENT

EΡ FORM GRADE FG

FL FLOW LINE HP HIGH POINT INV INVERT

LP LOW POINT MAX MAXIMUM

MIN

TYP

MUTCD MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES

PC POINT OF CURVATURE

MINIMUM

PCC PORTLAND CEMENT CONCRETE PRC POINT OF REVERSE CURVATURE

PT POINT OF TANGENCY R/W RIGHT OF WAY

TYPICAL

TOC TOP OF CONCRETE

739 PARK AVENUE ACKLEY, IOWA 50601 PH 641-847-3273 FAX 641-847-2303

HARDIN COUNTY, IOWA 2019

(2010)20/30/2010/2010/2	- Existing Surface
5225022502250256	Milling/Overlay
	Existing Brick/Stamped
	Concrete
N. S.	Сент

- Existing ACC

PLAN SHEET LEGEND

- Sign Post

- Street Sign Post

- Ornamental Bush

- Deciduous Tree

- Coniferous Tree

w/Trans & Light

- Telephone Pedestal

- Telephone Service

- Electric Pedestal

- Electric Panel

- Light Pole

- Gas Valve

- Gas Meter

- Fire Hydrant

- Water Valve

- Fence Line

- Water Main

- Tile Removal

- Property Line

- Contour Line

- Sawcut Line

- Right-Of-Way Line

- Baseline/Centerline

- Existing Concrete

Surface/Removal

- Tile Abandoned

Gas Line

- Water Shut-Off

- Sanitary Sewer Manhole

- Storm Sewer/Tile Intake

- Buried Fiber Optic Line

- Overhead Electric Line

- Water Main Service Line - Sanitary Sewer Line - Sanitary Sewer Service Line - Storm Sewer/Tile Line - Future Storm Sewer Line

- Structure/Intake Removal

- Proposed Concrete Surface

- Proposed Gravel Surface

- Gravel Surface/Removal

- Proposed ACC Pavement

Pavement/Removal

- Existing Surface

- Power Pole, w/Trans, w/Light,

- Guy Anchor

EXISTING PROPOSED

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BENCHMARKS:

DRAWN BY:

HARDIN COUNTY GPS MONUMENT NO. 8016 2019 SURVEY ELEVATION = 1169.72'

HARDIN COUNTY GPS MONUMENT NO. 8024 2019 SURVEY ELEVATION = 1181.52'

15" VCP EXISTING MAIN TILE OUTLET FLOWLINE 2019 SURVEY ELEVATION = 1127.85

PIPE MATERIAL ABBREVIATIONS

ACP ASPHALT COATED PIPE **AWWA** AMERICAN WATER WORKS ASSOCIATION

CEMENT MORTAR LINED AND COATED

CORRUGATED METAL PIPE **CMP**

DIP DUCTILE IRON PIPE ELL ELLIPTICAL

HDPE HIGH DENSITY POLYETHYLENE

PPL POLYPROPYLENE PIPE PVC POLYVINYL CHLORIDE

RCP REINFORCED CONCRETE PIPE

RCEC REINFORCED CONCRETE ELLIPTICAL PIPE

Clapsaddle-Garber Associates, Inc

Main Office: 16 East Main Street Marshalltown, Iowa 50158 Ph 641-752-6701

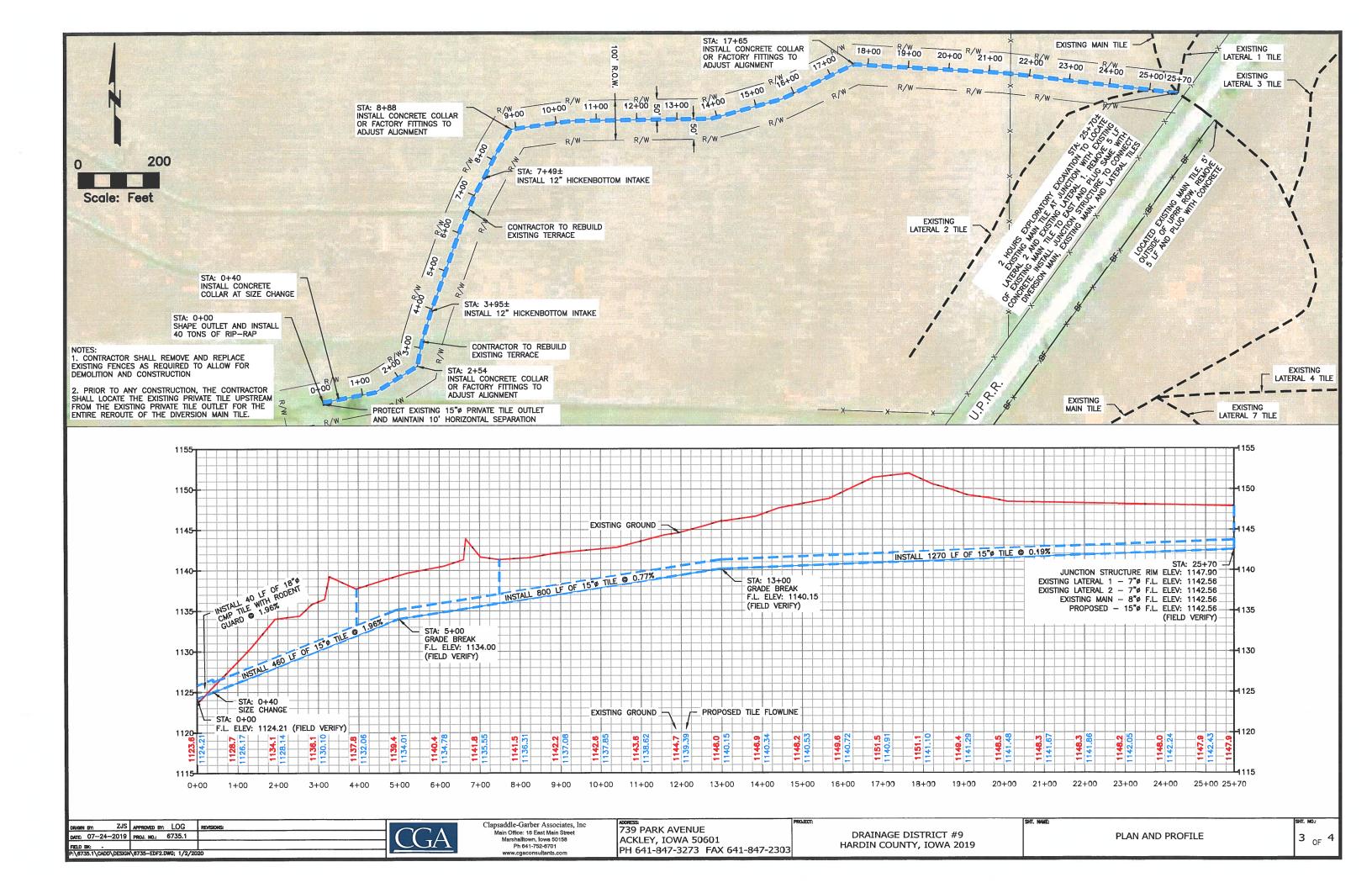
VCP VITRIFIED CLAY PIPE

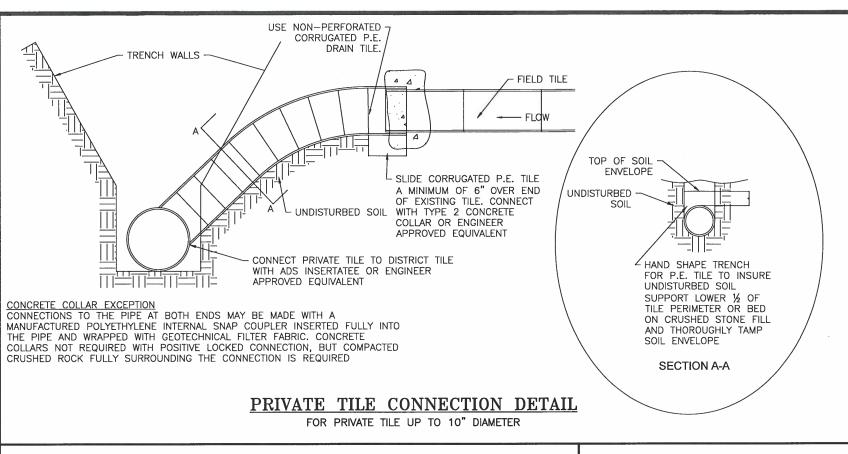
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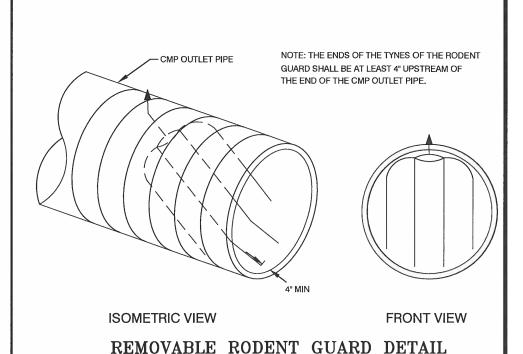
CMLC

DRAINAGE DISTRICT #9

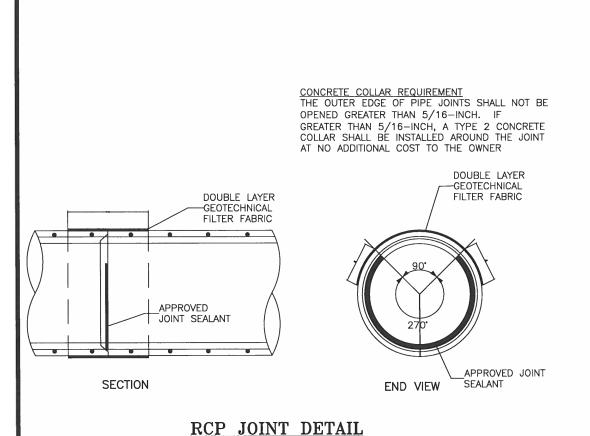
LEGEND, NOTES AND ABBREVIATIONS







NO SCALE



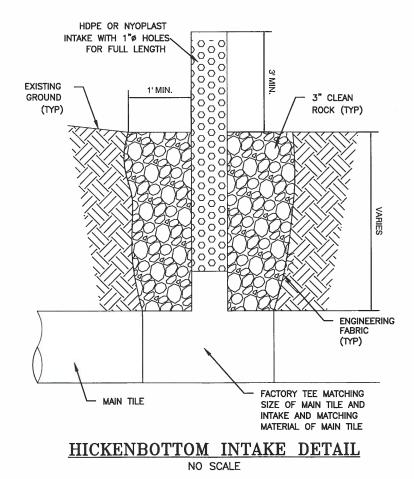
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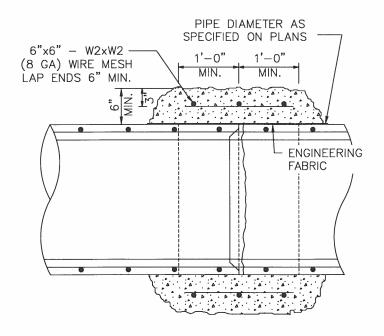
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REVISIONS:

DRAWN BY:





MODIFIED TYPE PC-2 CONCRETE COLLAR CONNECTION DETAIL NO SCALE

Clapsaddle-Garber Associates, Inc Main Office: 16 East Main Street Marshalltown, Iowa 50158

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739 PARK AVENUE ACKLEY, IOWA 50601 PH 641-847-3273 FAX 641-847-2303

DRAINAGE DISTRICT #9 HARDIN COUNTY, IOWA 2019 DETAIL

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