

EXISTING AGRICULTURAL DRAIN TILE INVESTIGATION PLAN

WAUGHTON ROAD PARCEL

Prepared for: Scheflow Engineers

Section no. 9, Burlington, Twp., Kane Co., IL.

EXISTING SUBSURFACE AGRICULTURAL DRAIN TILE INVESTIGATION REPORT

WAUGHTON ROAD PARCEL

Scheflow Engineers

WAUGHTON ROAD PARCEL / Scheflow Engineers / FIELD FILE NO. 4-5-9 / DATE: 6/22/23
IN ACCORDANCE WITH KANE COUNTY STORM WATER ORDINANCE DRAIN TILE INVESTIGATION STANDARDS
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DESCRIPTION CHART NO. 1A:

ID NO.	SIZE	TYPE / QUALITY	FLOW %	SILT %	DEPTH (FOOT)	FIELD NOTES
A	---	NO DRAIN TILE	---	---	---	NO DRAIN TILE LOCATED
B	---	NO DRAIN TILE	---	---	---	NO DRAIN TILE LOCATED
C	---	NO DRAIN TILE	---	---	---	NO DRAIN TILE LOCATED
D	---	NO DRAIN TILE	---	---	---	NO DRAIN TILE LOCATED
E	---	NO DRAIN TILE	---	---	---	NO DRAIN TILE LOCATED
F	---	NO DRAIN TILE	---	---	---	NO DRAIN TILE LOCATED



SITE LOCATION
Section no. 9, Burlington, Twp., Kane Co., IL.

MAP LEGEND:

- <<FLOW--->> EXISTING DRAIN TILE FLOW DIRECTION
- EX. POLYETHYLENE MAINLINE OR SYSTEM PART
- EX. CLAY DRAIN TILE MAINLINE OR SYSTEM PART
- EX. CONCRETE DRAIN TILE MAINLINE OR SYSTEM PART
- EXISTING DRAIN TILE CONTINUES TO UPLAND WATERSHED
- EXISTING DRAIN TILE OUTLETS TO SURFACE
- EXIST. DRAIN TILE (1) INSPECTION STRUCTURE / (2) CATCH BASIN
- EXIST. DRAIN TILE (1) LOCATED END / (2) ASSUMED END
- EXISTING DRAIN TILE CONTINUES TO OFF-SITE OUTLET SYSTEM
- EXISTING DRAIN TILE FAILURE / FLOW SURCHARGE TO SURFACE
- EXISTING DRAIN TILE MAPPED BY SPECULATION AND ASSUMPTION
- EXISTING DRAIN TILE ABANDONED (NOT FUNCTIONAL)
- EXISTING DRAIN TILE "BLOWOUT" OR FAILURE
- HAND PROBE OR ELECTRONIC SCAN FOR DRAIN TILE LOCATION
- INVESTIGATION SLIT TRENCH FOR INVESTIGATION
- SPECIFIC PIT EXCAVATION FOR INVESTIGATION
- SURVEY DATA POINTS
- REPORT IDENTIFICATION NUMBER

REPORT LEGEND:

- ID NO. POINT OF EXCAVATION FOR SPECIFIC DRAIN TILE INVESTIGATION.
- SIZE (SIZE) DRAIN TILE INTERNAL DIAMETER IN INCHES.
- MATERIAL / QUALITY TYPE OF TILE MATERIALS, PIPE QUALITY - GOOD, FAIR & POOR.
- FLOW % PERCENTAGE OF TILE DIAMETER OCCUPIED BY ACTIVE FLOW.
- (R) RESTRICTED OR BAKED UP FLOW, SURCHARGED CONDITION.
- SILT % PERCENTAGE OF TILE DIAMETER OCCUPIED BY RESTRICTIVE SILT.
- (X) ABANDONED, FILLED WITH SILT BLOCKAGE, NO FLOW POTENTIAL.
- DEPTH MEASUREMENT FROM EXISTING GROUND LEVEL TO PIPE INVERT.

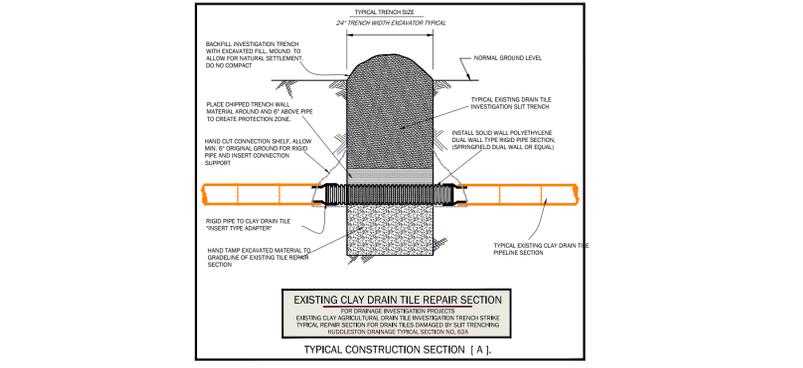
(GENERAL NOTES)

- MAINLINE TILE TRUNK LINE OR MUTUAL DRAIN, COLLECTOR OF SUB-SYSTEMS.
- SUB-MAIN TILE SECONDARY TRUNK LINE OR RANDOM SYSTEM COLLECTOR.
- LATERAL TILE FEEDER LINE, SERVICE TILE OR SYSTEM SPIUR.
- "BLOWOUT" EXISTING SYSTEM PIPE FAILURE OR RESTRICTION.
- DRAIN TILE ENDS MAINLINE, SUB-MAIN OR LATERAL PLANNED TERMINATION.
- SLIT TRENCH INVESTIGATION TRENCH, TYPICAL 2'-0" WIDE X 6'-0" DEEP.

- #### SPECIAL NOTES:
- ALL EXISTING AGRICULTURAL DRAIN TILES LOCATED DURING THIS INVESTIGATION SURVEY HAVE BEEN IDENTIFIED ON THIS PLAN AND FIELD STAKED AT 50' INTERVALS, IN SOME OCCASIONS CERTAIN EXISTING LOCAL DRAIN TILE SECTIONS MAY BE SPECULATED AND CONSIDERED AS AN ASSUMED ROUTE WHICH SHALL BE DELINEATED ON THIS PLAN.
 - ANY EXISTING DRAIN TILE NOT ENCOUNTERED DURING SLIT TRENCHING OR PROBE TRANSECT PROCEDURES WILL REMAIN UNKNOWN.
 - ALL EXISTING DRAIN TILES DAMAGED DURING THE INVESTIGATION PROCESS SHALL BE REPAIRED TO THEIR ORIGINAL STATE IN ACCORDANCE WITH NATURAL RESOURCE CONSERVATION SERVICE STANDARDS FOR DRAIN TILE INSTALLATION AND REPAIR.
 - HUDDLESTON DRAINAGE (624) TYPICAL STANDARD "A"
 - ALL EXISTING DRAIN TILE LOCATION DIMENSIONS HAVE BEEN SURVEYED BY AGRICULTURAL GRADE GPS SURVEY SYSTEMS AND INCLUDE SUB METER ACCURACY. ALL LOCATIONS PERTINENT TO FINAL DESIGN SHALL BE VERIFIED BY THE PROJECT SURVEYOR.
 - THIS DRAIN TILE INVESTIGATION REPORT IS INTENDED TO IDENTIFY EXISTING DRAIN TILE MAINLINE SYSTEMS ONLY INCLUDING ADDITIONAL PRIORITY ON DRAIN TILES WHICH MAY SERVICE THE UPLAND PROPERTY OF OTHERS OR WITH MUTUAL DRAINAGE STATUS. THIS DRAIN TILE INVESTIGATION REPORT SHALL BE FILED WITH HUDDLESTON DRAINAGE LAND DRAINAGE CO., AND WILL BE REPRODUCED AND DISBURSED ONLY BY PERMISSION OF THE CONTRACT PRINCIPALS.

DESCRIPTION CHART NO. 1B:

DATA POINT	SIZE	TYPE / QUALITY	FLOW %	SILT %	DEPTH (FOOT)	FIELD NOTES
NOTE: NO EXISTING DRAIN TILES WERE LOCATED DURING THIS INVESTIGATION, THEREFORE NO DATA (INGRESS / EGRESS) POINTS WERE ESTABLISHED.						



THESE SYMBOLS REPRESENT SURVEY DATA POINTS WHICH HAVE BEEN STAKED IN THE FIELD FOR THE SPECIFIC PURPOSE OF ELECTRONIC LOCATION AND ELEVATION DETERMINATION BY THE PROJECT SURVEYOR.

THESE DATA POINTS CONSIST OF A 2" X 2" GROUND HUB AND A 3" O.D. ON-LINE LOCATION STAKE WHICH INCLUDES DATA POINT IDENTIFICATION NUMBER, SEPARATION MEASUREMENT FROM HUB TO PIPE INVERT, AND PIPE SIZE.

ALL EXISTING DRAIN TILE ROUTES HAVE BEEN FIELD STAKED WITH "EXISTING DRAIN TILE" PIN FLAGS AT 50' INTERVALS AND DOUBLE FLAGS AT INTERSECTIONS.



PROJECT CLIENT:

Scheflow Engineers

Patrick Sharkey, Project Manager
1814 Grandstand Place, Elgin, IL, 60123

APPROVED BY AND DATE:
TOM HUDDLESTON +6

ACKNOWLEDGMENTS:
HUDDLESTON DRAINAGE MAP and ARCHIVE SYSTEMS

DRAWN BY AND DATE:
TOM HUDDLESTON +6

PROJECT DATE:
6/22/23

FIELD FILE NO.:

4-5-9

DRAWING NO.:

4-5-9_X1

REVISIONS:

DATE: BY: DESCRIPTION:

WEATHER CONDITIONS: SUNNY / WARM - 70o

DRAWING SCALE: 1" TO 50'

SHEET NO. ONE OF ONE

1976 47th Anniversary 2023

ILLINOIS FARM BUREAU MEMBER

811 Know what's below. Call before you dig. A231370105 DIG NUMBER

NORTH

WAUGHTON ROAD PARCEL

HUDDLESTON MCBRIDE PROFESSIONAL LAND DRAINAGE SERVICES

9504 FOWLER RD., ROCHELLE, ILLINOIS PHONE 815-562-6007