

**EXISTING SUBSURFACE AGRICULTURAL DRAIN TILE INVESTIGATION REPORT**

**JERICO ROAD PARCEL OUTFALL**

Fox River Habitat for Humanity

JERICO ROAD PARCEL OUTFALL / Fox River Habitat, FIELD FILE NO. 4-1-30\_X10, DATE: 7/15/23  
IN ACCORDANCE WITH KANE COUNTY STORM WATER ORDINANCE DRAIN TILE INVESTIGATION STANDARDS  
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**DESCRIPTION CHART NO. 1A:**

ID NO.	SZ.	TYPE / QUALITY	FLOW %	SILT %	DEPTH (GRD/IN)	FIELD NOTES
B1	6"	CONCRETE / FAIR	100%	20%	46"	NO DRAIN TILE LOCATED
C	NO	NO DRAIN TILE				RESTRICTED FLOW AND SURCHARGED
D	NO	NO DRAIN TILE				NO DRAIN TILE LOCATED
E	NO	NO DRAIN TILE				NO DRAIN TILE LOCATED



**Stormwater Drainage Easement and Maintenance Agreement-**

1. Agreement is between the City, Habitat for Humanity and Offsite Property Owners for the future maintenance of the offsite storm sewer.
2. Existing clay drain tiles run through the proposed subdivision, comes under Jericho Road, and run south to the existing drainage ditch.
3. Portion of the drain tile will be replaced and relocated, as shown.
4. Offsite property owners have granted and conveyed to the City and Habitat for Humanity the rights to access the easement area.
5. The city is NOT responsible for the maintenance of this offsite storm sewer.
6. The HOA/ Habitat for Humanity is responsible for construction, repair, and maintenance.
7. Existing downstream drain tile continue to function as is.
8. No impact downstream with the construction of the detention pond and restricted release from the development.

DESC  
DATA  
POINT



**SITE LOCATION**  
Section no. 30, Aurora Twp., Kane Co., IL.

**MAP LEGEND:**

- EXISTING DRAIN TILE FLOW DIRECTION
- EX. POLYETHYLENE MAINLINE OR SYSTEM PART
- EX. CLAY DRAIN TILE MAINLINE OR SYSTEM PARTS
- 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

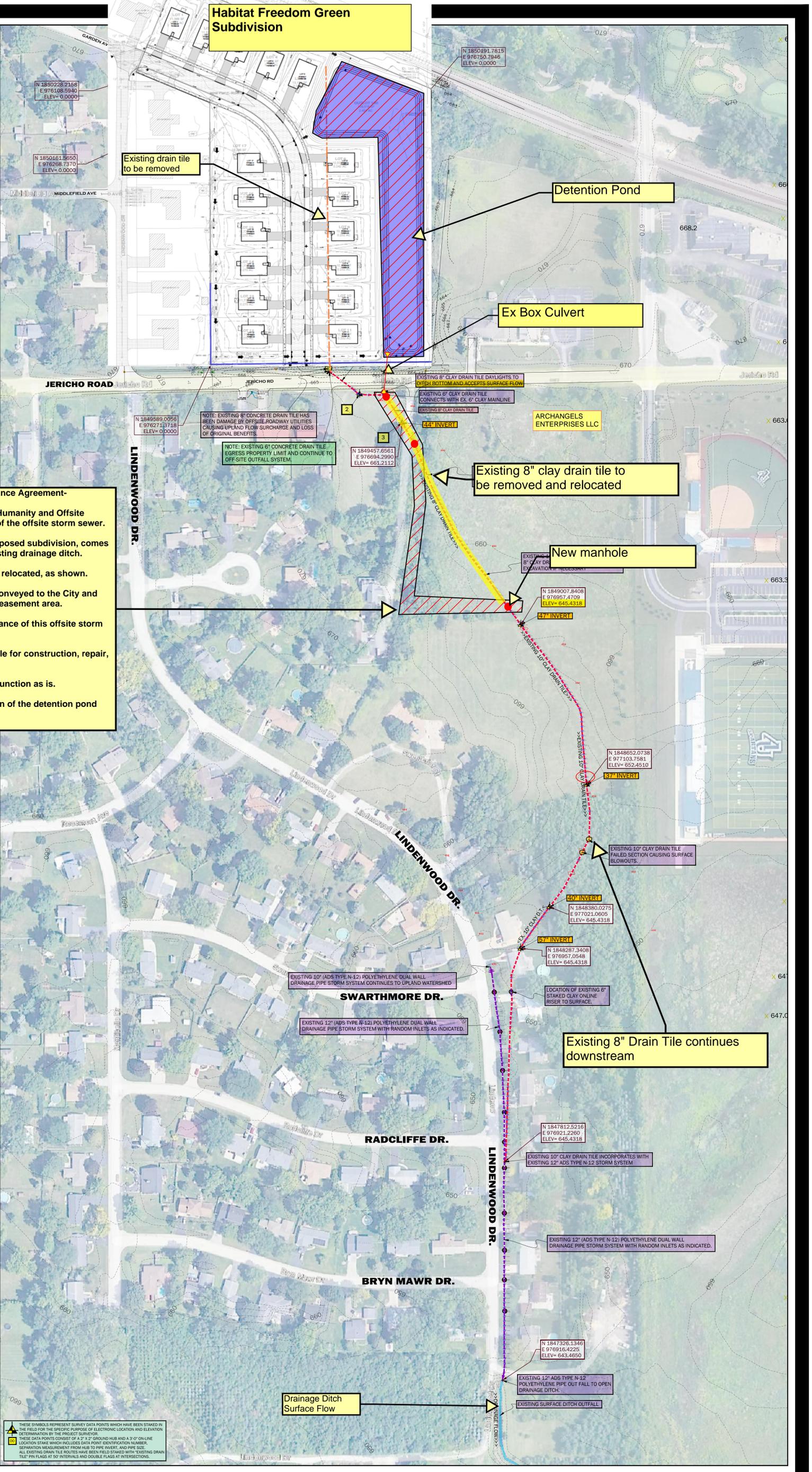
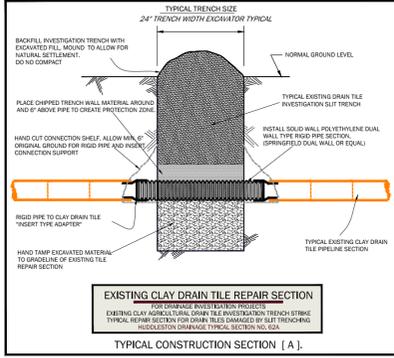
**REPORT LEGEND:**

- ID NO. POINT OF EXCAVATION FOR SPECIFIC DRAIN TILE INVESTIGATION.
- SZ. (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.
- SILT % RESTRICTED OR BACKED UP FLOW, SURCHARGED CONDITION PERCENTAGE OF TILE DIAMETER OCCUPIED BY RESTRICTIVE SILT.
- DEPTH ABANDONED, FILLED WITH SILT BLOCKAGE, NO FLOW POTENTIAL 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 BRIN.
- "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" DEPTH.

- 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 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 (GSA) 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 SURVEYED BY THE PROJECT SURVEYOR.
  - THIS DRAIN TILE INVESTIGATION REPORT IS INTENDED TO IDENTIFY EXISTING DRAIN TILE MAINLINE SYSTEMS ONLY INCLUDING ADDITIONAL PROPERTY ON DRAIN TILES WHICH MAY SERVICE THE UP AND 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.



**Fox Valley Habitat for Humanity**  
Jeffrey Barret, Project Manager  
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APPROVED BY AND DATE: TOM HUDDLESTON 7/15/23	PROJECT DATE: 7/15/23	DATE:	BY:	DESCRIPTION:
ACKNOWLEDGMENTS: HUDDLESTON DRAINAGE MAP and ARCHIVE SYSTEMS	FIELD FILE NO.:	REVISIONS:		
DRAWN BY AND DATE: TOM HUDDLESTON 7/15/23	DRAWING NO.:	WEATHER CONDITIONS:	DRAWING SCALE:	SHEET NO.:
	4-1-30_X10	SUNNY/ WARM - 70s	1" TO 100'	ONE OF ONE

**JERICO ROAD PARCEL OUTFALL**  
**HUDDLESTON MCBRIDE**  
PROFESSIONAL LAND DRAINAGE SERVICES  
9504 FOWLER RD., ROCHELLE, ILLINOIS PHONE 815-562-6007