

EXISTING AGRICULTURAL DRAIN TILE INVESTIGATION PLAN

PULTE ORLAND PARK PREPARED FOR PULTE HOMES / DELWEBB

SEC. 21, ORLAND TWP., COOK CO., IL.

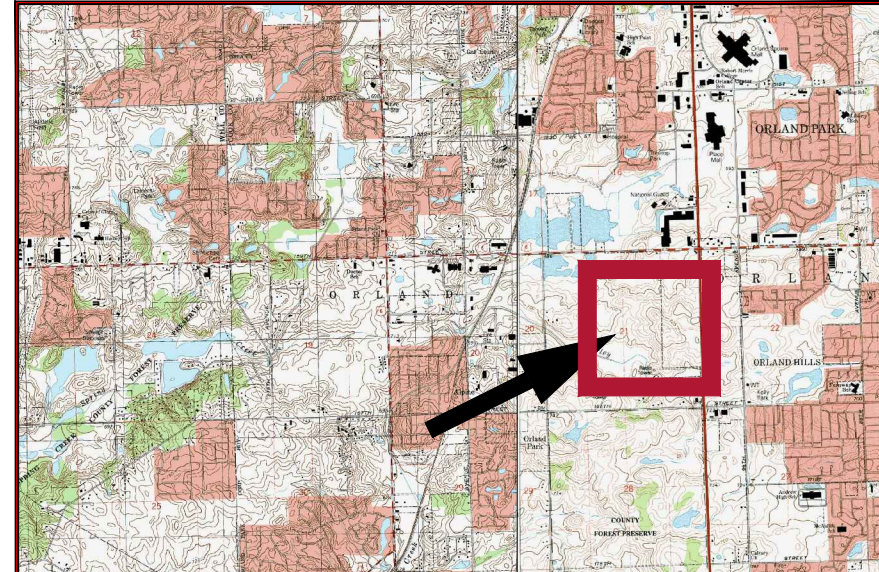
EXISTING SUBSURFACE AGRICULTURAL DRAIN TILE INVESTIGATION REPORT

PULTE ORLAND PARK PULTE HOMES / DELWEBB

PULTE ORLAND PARK / PULTE HOMES / DELWEBB, FIELD FILE NO. 11-21-21, DATE: 2/3/15.
IN ACCORDANCE WITH COOK COUNTY EXISTING DRAIN TILE INVESTIGATION AND LOCATION STANDARDS
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DESCRIPTION CHART NO. 1A: INVESTIGATION SLIT TRENCH LOCATIONS

ID NO.	SZ.	TYPE / QUALITY	FLOW %	SILT %	DEPTH (FEET)	FIELD NOTES
A	0	CLAY / GOOD	FLOODED	0	0	NO DRAIN TILE LOCATED
						ACTIVE FLOW RATE AND CAPACITY RESTRICTED FLOW AND SURCHARGED RESTRICTED STAGNATE FLOW MANHOLES / CHIMNEYS / NO FLOW END OF DRAINAGE LINE SLIGHTLY RESTRICTED FLOW SILT RESTRICTED / PARTIAL CAPACITY SILT RESTRICTED / NO CAPACITY POOR PIPE QUALITY, FAILING SYSTEM



SITE LOCATION
SEC. 21, ORLAND TWP., COOK 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 SLOTTED UP FLOW, SURCHARGED CONDITION
- DEPTH PERCENTAGE OF TILE DIAMETER OCCUPIED BY RESTRICTIVE SILT.
- ABANDONED, FILLED WITH SILT BLOCKAGE, NO FLOW POTENTIAL
- MEASUREMENT FROM EXISTING GROUND LEVEL TO PIPE INVERT.

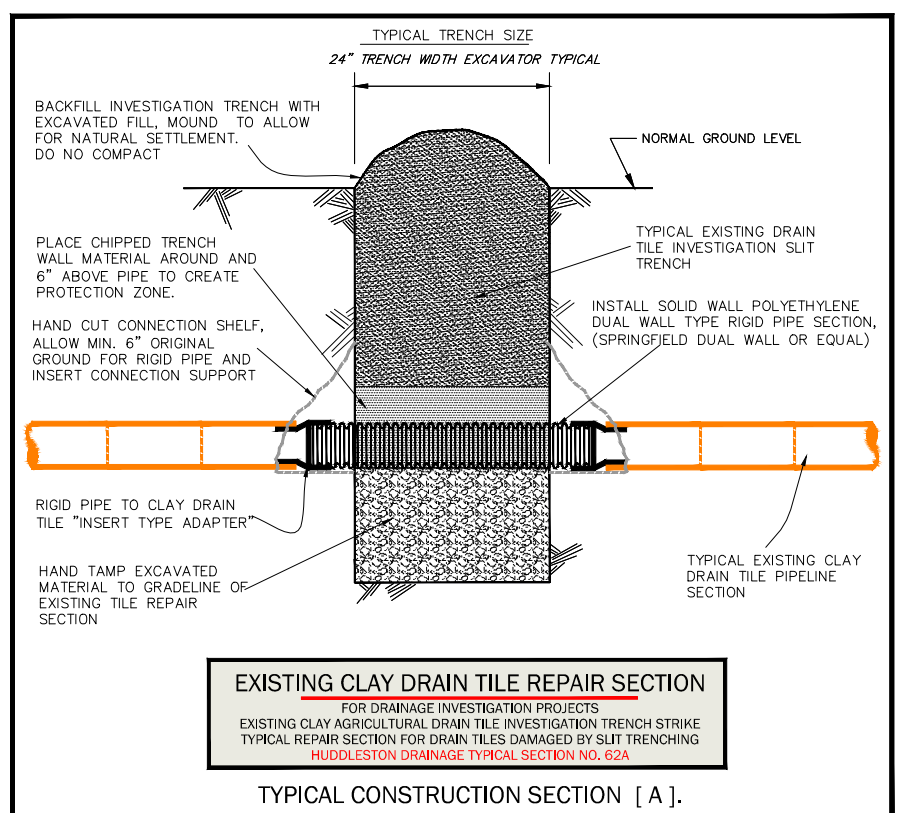
(GENERAL NOTES)

- 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 SPUR.
- "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.

DESCRIPTION CHART NO. 1B: SURVEY DATA POINT LOCATIONS

DATA POINT	SZ.	TYPE / QUALITY	FLOW %	SILT %	DEPTH (FEET)	FIELD NOTES
1	00	CLAY / GOOD	00	00	00	LATERAL AT PROPERTY INGRESS
2						LATERAL AT PROPERTY EGRESS
3						MAINLINE AT PROPERTY INGRESS
4						MAINLINE AT PROPERTY EGRESS
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						

- #### SPECIAL NOTES:
- ALL EXISTING AGRICULTURAL DRAIN TILES LOCATED DURING THIS INVESTIGATION SURVEY HAVE BEEN IDENTIFIED ON THIS PLAN AND FIELD STAKED AT 5' 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.
 - 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 (SDA) TYPICAL STANDARD #4)
 - 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 WITH ADDITIONAL PRIORITY ON DRAIN TILES WHICH MAY SERVICE THE UPLAND PROPERTIES 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.
- TOM HUDDLESTON, HUDDLESTON MCBRIDE DRAINAGE CO.



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 3/4" x 3/4" GROUND HUB AND A 3' x 3" 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 PLACED AT INTERSECTIONS.



PROJECT CLIENT:
PULTE HOMES / DELWEBB
JOE MARX, PROJECT MANAGER
1901 N. ROSELLE RD., SUITE 100, SCHAUMBURG, IL., 60195

APPROVED BY AND DATE:
TOM HUDDLESTON 2/3/15

ACKNOWLEDGMENTS:
HUDDLESTON DRAINAGE MAP and ARCHIVE SYSTEMS

DRAWN BY AND DATE:
TOM HUDDLESTON 2/3/15

PROJECT DATE:
2/3/15

FIELD FILE NO. #:
11-21-21

DRAWING NO. #:
11-21-21

WEATHER CONDITIONS:
SUNNY / WARM - 15c

DATE: BY: DESCRIPTION:

DRAWING SCALE:
1" TO 200'

SHEET NO. #:
ONE OF ONE

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PULTE ORLAND PARK
HUDDLESTON MCBRIDE
PROFESSIONAL LAND DRAINAGE SERVICES
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