



SITE LOCATION MAP

SCALE: NTS
SITE ADDRESS:
2641 WILKINS ROAD
SWANTON, OH 43558



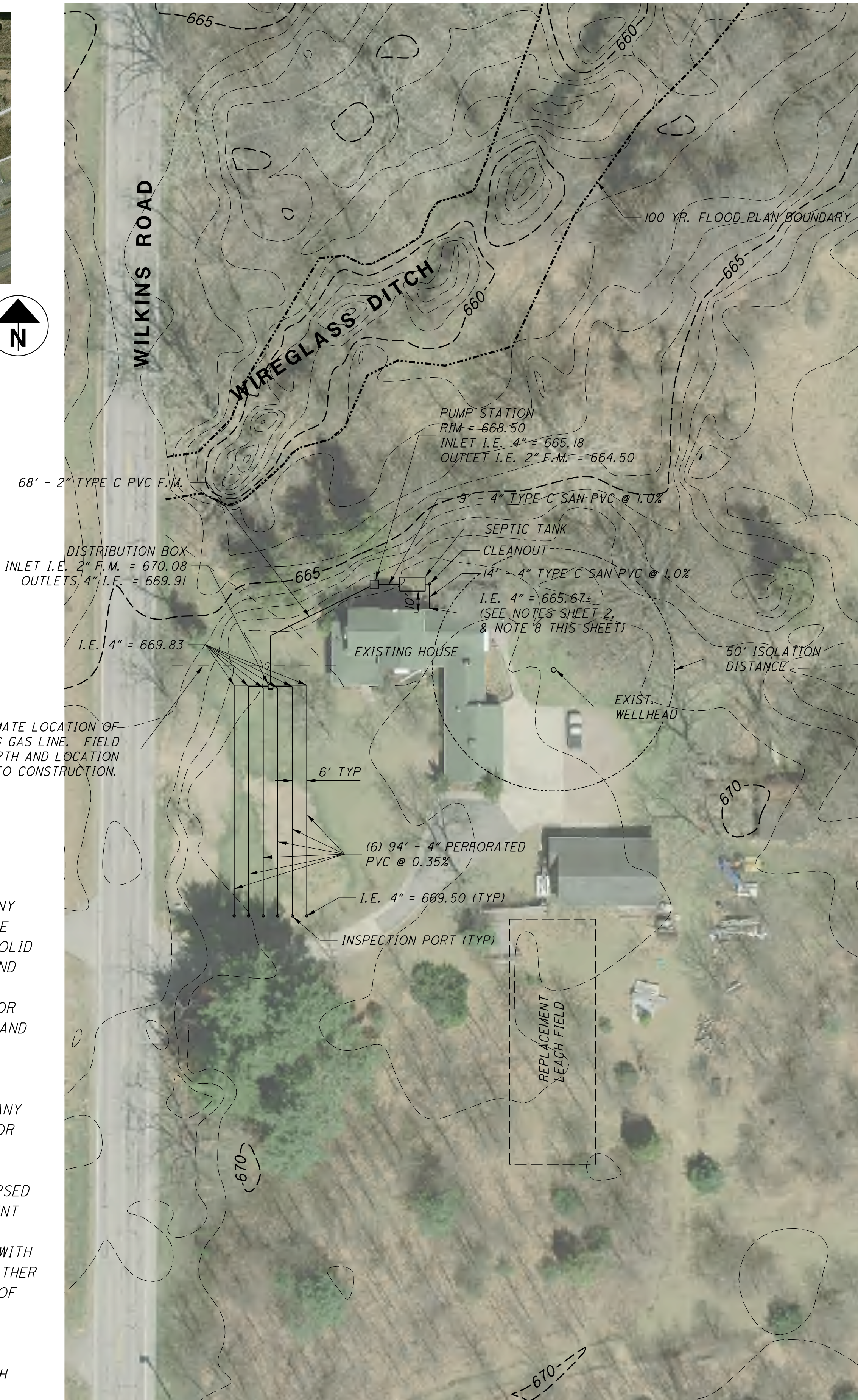
STS ABANDONMENT

THE CONTENTS OF THE EXISTING TANKS, DOSING TANKS, PRETREATMENT COMPONENTS LEACH WELLS AND CESSPOOLS AND ANY OTHER COMPONENT WHICH MAY POSE A COLLAPSE HAZARD SHALL BE PUMPED AND REMOVED BY A REGISTERED SEPTAGE HAULER. ANY SOLID MATERIALS SUCH AS FILTER MEDIA, MECHANICAL DEVICES, PIPES AND OTHER STS COMPONENTS SHALL BE TAKEN TO AN APPROVED SOLID WASTE DISPOSAL FACILITY OR OTHERWISE LEGALLY DISPOSED OF OR REUSED IN A MANNER THAT PREVENTS A PUBLIC HEALTH NUISANCE AND CONTAMINATION OF SURFACE OR GROUND WATER.

UPON REMOVAL OF THEIR CONTENTS, TANKS, DOSING TANK, PRETREATMENT COMPONENTS, LEACH WELLS AND CESSPOOLS AND ANY OTHER COMPONENT OF THE STS SHALL BE COMPLETELY REMOVED OR PROPERLY ABANDONED BY ONE OF THE FOLLOWING METHODS:

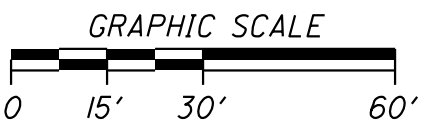
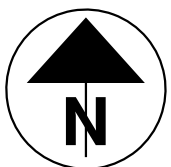
THE TOP SHALL EITHER BE COMPLETELY REMOVED OR COLLAPSED AND AT LEAST ONE SIDE COLLAPSED TO PREVENT CONTAINMENT OF WATER IN THE ABANDONED TANK OR COMPONENT. THE RESULTING VOID SHALL BE FILLED TO THE GROUND SURFACE WITH INERT AND NONHAZARDOUS MATERIALS SUCH AS GRAVEL OR OTHER COARSE AGGREGATE. SOIL EXCAVATED FROM INSTALLATION OF THE NEW SYSTEM IS AN ACCEPTABLE BACKFILL MATERIAL FOR ABANDONMENT.

THE TANK OR COMPONENT SHALL BE COMPLETELY FILLED WITH COMPACTED INERT MATERIAL OF SUFFICIENT STRENGTH AND VOLUME TO PREVENT SETTLING, COLLECTION OF WATER AND/OR COLLAPSE. ALL ACCESS POINTS TO THE ABANDONED TANK OR COMPONENT MUST BE PERMANENTLY SECURED OR SEALED.



SEPTIC SYSTEM PLAN

SCALE: 1" = 30'



DESIGN DATA:

SOILS: TEXTURE = fs
GRADE = OSg
EXISTING ELEVATION IN TREATMENT AREA - 669±
DEPTH TO APPARENT WATER TABLE: 42"

HYDRAULIC LINEAR LOADING RATE = 4.5 GPD/FT
INFILTRATION SOIL LOADING RATE = 0.4 GPD/FT²

EXISTING SLOPE OF LOT: 0% TO 4%

HOME INFO: EXISTING STRUCTURE
3 BEDROOM

WATER SUPPLY: WELL

DAILY FLOW: 3 BR X 120 GPD = 360 GPD

SEPTIC TANK: 3 BEDROOM = 1500 GAL.

REQUIRED:

REQUIRED BASAL AREA
OF TRENCHES (900 SF x 1.25) = 1125 SF
REQUIRED MIN. TRENCH LENGTH = 80'

PROVIDED:

PROVIDED BASAL AREA
OF TRENCHES = 1128 SF
PROVIDED TRENCH LENGTH = 94'
PROVIDED PIPE LENGTH = 564'
6 RUNS @ 94' EACH

GENERAL NOTES:

- FIRST THREE FEET OF SANITARY PIPE BEDDING AND BACKFILL CLOSEST TO THE HOUSE TO BE CLAY.
- TYPE B BACKFILL SHALL BE ODOT 304 OR 411 COMPACTED BACKFILL. BEDDING SHALL BE NO. 57 STONE.
- TYPE C BACKFILL SHALL BE COMPACTED EARTH.
- PUMP SHALL BE 36 GPM @ 10' TDH.
- PVC SOLID PIPE TO BE ASTM D-3034 SDR35.
4" PERFORATED PVC PIPE TO BE ASTM D-2729.
- 2" FORCE MAIN PIPE TO BE ASTM D-2241, SDR 21.
- ALL PIPE JOINTS TO BE ASTM D-3212 OR APPROVED EQUAL.
- EXISTING SANITARY OUTLET AT HOUSE IS ASSUMED TO HAVE 4' OF COVER. CONTRACTOR TO VERIFY EXISTING SANITARY OUTLET DEPTH AND LOCATION PRIOR TO CONSTRUCTION AND SEPTIC TANK INVERTS AND PUMP STATION INVERTS MAY VARY ACCORDINGLY.



STS DESIGN PLAN SET - 2641 WILKINS ROAD

SEPTIC SYSTEM DESIGN

2641 WILKINS ROAD
LUCAS COUNTY, OH



