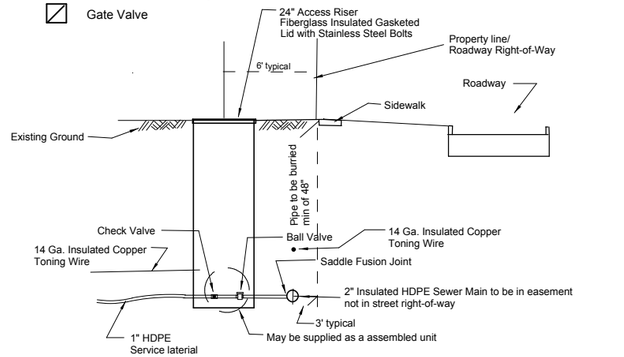
Note: The existing well on Lot 40 shall remain and the existing septic system shall be removed in accordance with Lake County Health Department Standards and the house shall be connected to the proposed wastewater system utilizing the standards shown on these plans.

LEGEND

Scale: 1" = 60'

- AARV (Automatic Air Release Valve)
- Service line with ball and check valve
- Pigging Port
- 2" HDPE (burried below frostline)
- PSD (pressure sustaining device - roll seal valve)
- Gate Valve
- DESIGNATES SEPTIC DRIP AREA
- DESIGNATES EXPANSION AREA



All service line connections shall be heat fusion welded saddle joints(refer to PPI handbook for polyethylene pipe, ASTM D 2657 and manufactures joining recommendations) All service laterals from the effluent sewer to the property line shall be pressure tested prior to backfilling. All pipe bedding shall be 4" below the pipe to a point 2" above the pipe and shall be Class i or ii per ASTM D 2321 with no particles larger than 1/2".

HDPE (High Density Polyethylene) Specifications

1) All mainline pipe shall be 2" HDPE
2) All pipe shall be pre-insulated (URECON or equiv.)
3) A tracing wire shall be run with all pipe
4) All pipe shall be burried 48" min
5) All main line pipe joints shall be butt fusion welded
6) All pipe shall be pressure rated 160 psi - DR 11
7) Service laterals shall be 1 " HDPE
8) All service laterals shall be fusion welded saddle joints connected to main line.
9) For proper joining techniques refer to PPI Handbook for polyethylene pipe, ASTM D 2657 and pipe manufacture
10) All bedding shall be class I and II ASTM D 2321 with max particle size of 1/2 "

Note: The 2" HDPE sewer will be instakked in a public utility easement adjacent to the public right-of-way

FALCON CREST SUBDIVISION

LAKE VILLA, ILLINOIS

OVERALL SYSTEM LAYOUT

ARTHUR R. OLSON 3631-02-0235 LAKE COUNTY INDIVIDUAL SYSTEM DISPOSAL SYSTEM DESIGNER LIC. EXP. 12/31/2006 STATE OF ILLINOIS

ARTHUR R. OLSON 062-33568 PROFESSIONAL ENGINEER LIC. EXP. 11/30/2007 STATE OF ILLINOIS

DATE	BY	NO.	REVISION	DATE: 7/12/2006
9/15	A.R.O.		LCHD	

SHEET 3 OF 11

ARTHUR R. OLSON & CO.

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