Figuers Drive Area Drainage Discussion - EXHIBIT F

REMOVE EXISTING
30" x 36" RCP
26 L.F.

REMOVE EXISTING
29" X 45" RCP
32 L.F.

INSTALL ONE
6' x 3' RCB
34 L.F.

EXISTING LOS = < 2-year
FUTURE LOS = 2-year

TRANSITION CHANNEL TO
EXISTING DIMENSIONS
40 L.F.

REMOVE EXISTING
29" X 45" RCP
40 L.F.

INSTALL ONE
6' x 3' RCB
42 L.F.

EXISTING LOS = < 2-year
FUTURE LOS = 5-year

503 PERKINS DR
501 PERKINS DR
421 PERKINS DR
419 PERKINS DR
PERKINS
FIGUERS
DOWNS

Legend

- Surveyed Storm Drains
- General Drainage Patterns
- Drainge to Problem Areas
- Properties with Drianage Issues
- Study Area Streams
- Parcels

Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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NOT TO SCALE

CITY OF FRANKLIN
FIGUERS DRIVE DRAINAGE STUDY

HISTORIC FRANKLIN TENNESSEE

WEST CONVEYANCE
DRAINAGE IMPROVEMENTS

OPTION 1

EXHIBIT WEST 1

October, 2014

FIGUERS DRIVE - WEST OPTION 1 - CROSS DRAIN UPGRADES				
ADDRESS	FFE (1)	LAG	EXISTING LAG SUMBERGENCE EVENT (2)	FUTURE LAG SUBMERGENCE EVENT (2)
419 Perkins Drive		679.19	< 2-year	50-YEAR
421 Perkins Drive		679.51	< 2-year	100-YEAR

Drainage Improvements:

1) Remove existing cross drain downstream of Perkins Drive.
2) Culvert Upgrades at Perkins Drive and Figuers Drive.

Design Constraints

1) Proximity of houses to bank makes channel widening problematic.
2) Existing channel elevations lowered at proposed RCB's.

Notes:

(1) FFE (Finished Floor Elevation) was not surveyed
(2) Low Adjacent Grade (LAG) elevation taken from the survey point closest to the structure.
(3) LAG submergence is based on the Low Adjacent Grade (LAG) elevation.
(4) The information shown above is based on the hydraulic properties of the stream and cross drains.

This information does not account for nuisance flooding caused by local drainage issues.