Department of Public Works

Farrington Circle/Stafford Court Drainage Issues

VILLAGE OF
LINCOLNSHIRE

MEETING AGENDA

- STUDY AREA AND ISSUES EXPERIENCED
- EXPLINATION OF DRAINAGE SYSTEM
- ALTERNATIVES ANALYZED
- PROPOSED SOLUTIONS
- NEXT STEPS

VILLAGE OF
LINCOLNSHIRE

Study Area

VILLAGE OF
LINCOLNSHIRE

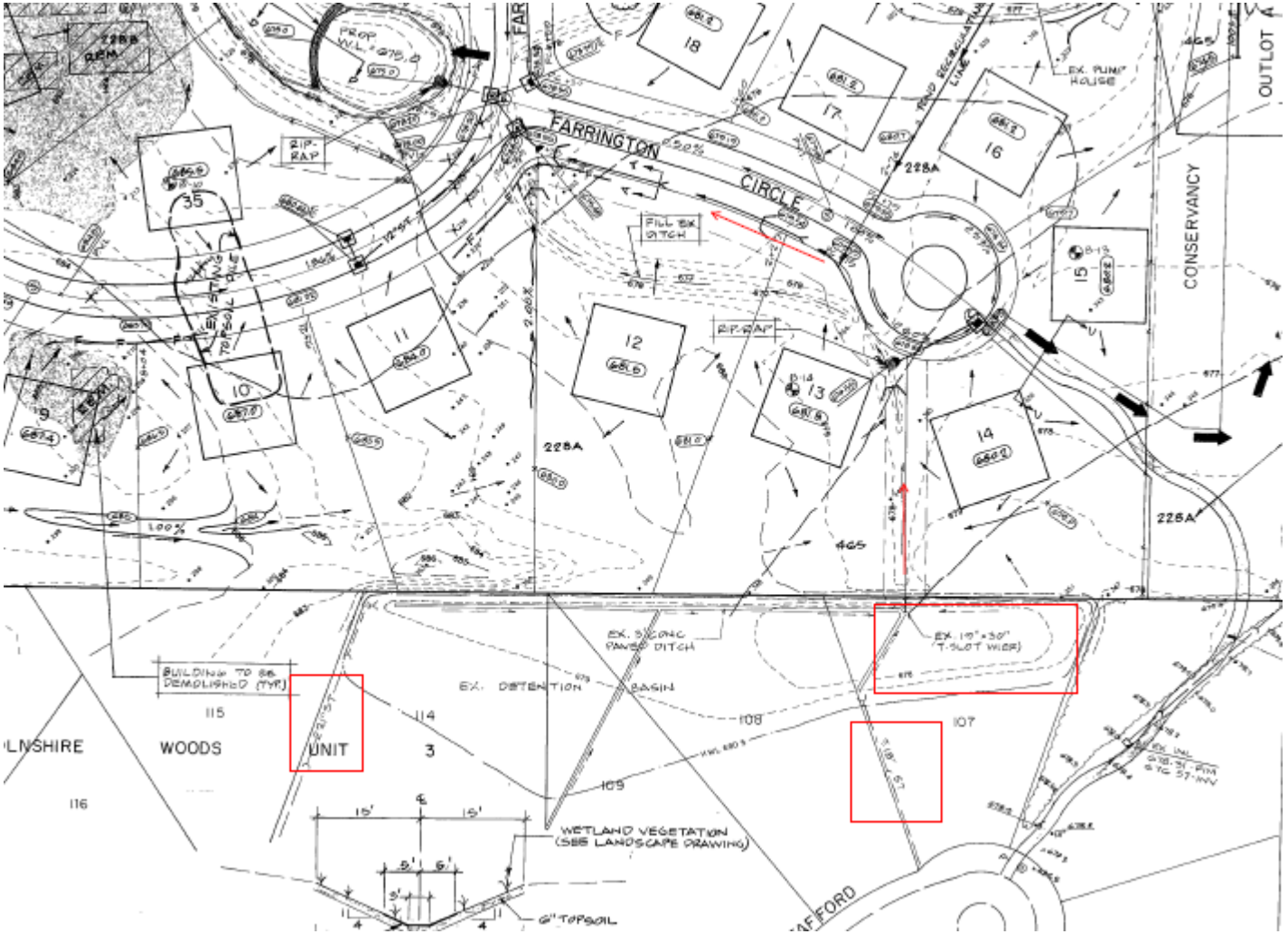
STUDY AREA

VILLAGE OF
LINCOLNSHIRE

ISSUES

VILLAGE OF
LINCOLNSHIRE

ISSUES



ISSUES

- CHANGES IN WEATHER PATTERNS
- CHANGES IN REGULATIONS
- MAINTENANCE AND DEBRIS MANAGEMENT

CHANGES IN WEATHER PATTERNS

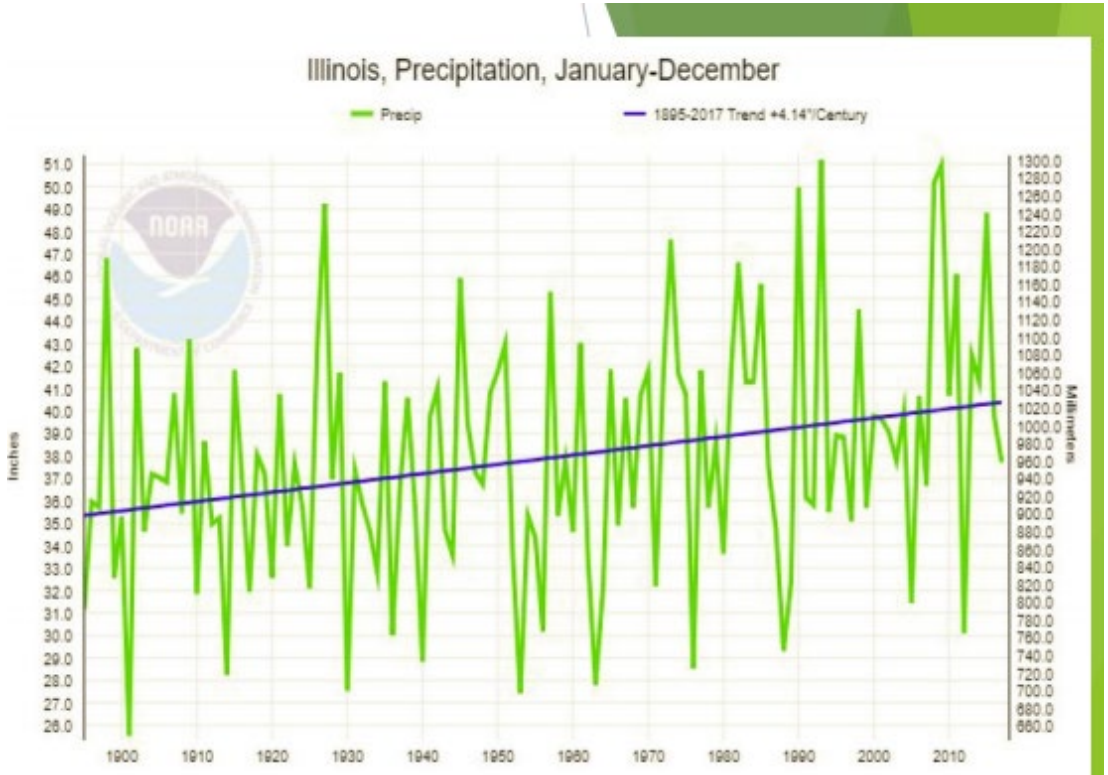
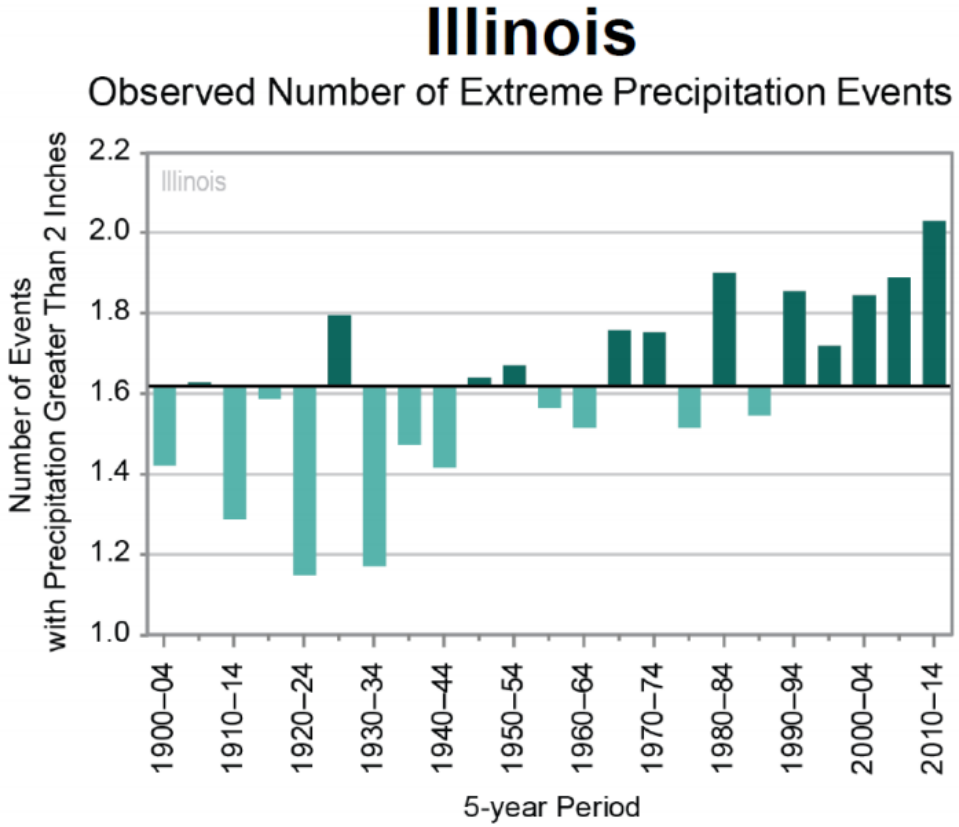


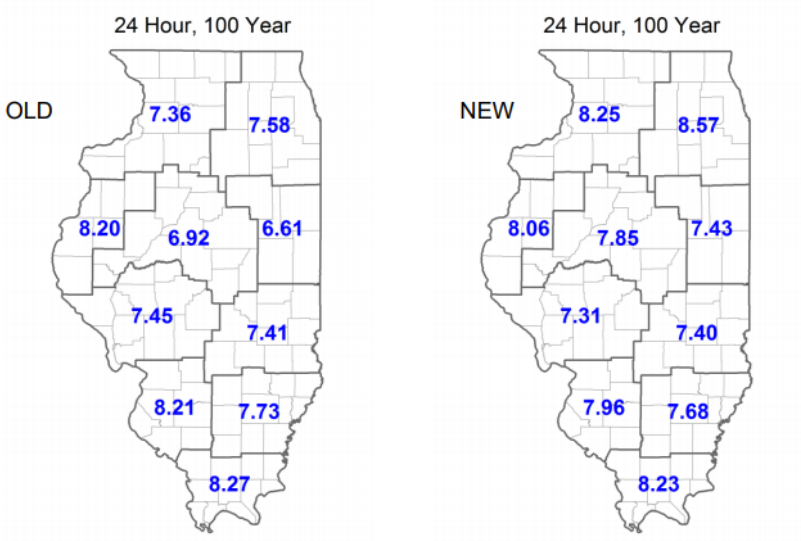
Figure 3 Statewide average annual precipitation for Illinois from 1895 to 2017. The green line shows the year-to-year variability. The blue line is a linear trend showing an increase of 4.14 inches over the past century. Source: NOAA NCEI, 2018.

CHANGES IN WEATHER PATTERNS



CHANGES IN WEATHER PATTERNS

Bulletin 70 and Bulletin 75
100-Yr, 24-Hour Storm



MAINTENANCE PRACTICES

- MORE PROACTIVE
- CLEAR BUCKTHORN/INVASIVE SPECIES
- MAINTAIN “NATURAL” AREAS

ALTERNATIVES CONSIDERED

- MEETING TODAYS STANDARDS (1978/1996/2023)
- MEET ORIGINAL DESIGN INTENT
- INCREASE FUNCTIONALITY/KEEP WATER FLOWING

VILLAGE OF
LINCOLNSHIRE

PROPOSED ALTERNATIVE

PROPOSED LEGEND

CLEARING, GRUBBING, AND REGRADING AREA
CLASS 4 SEED AND EROSION CONTROL BLANKET
PROPOSED UNDERDRAIN STORM SEWER
STORM INLET
PROPOSED SPOT ELEVATION
EXISTING SPOT ELEVATION
SLOPES
EXISTING SLOPES

NOTE
ANY DAMAGE TO FARRINGTON CIRCLE OR FARRINGTON DRIVE TO BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE VILLAGE, AT NO ADDITIONAL COST TO THE CONTRACT

EXISTING CONCRETE CHANNEL TO BE CLEANED BY POWER WASHING OR OTHER APPROVED METHOD

CONCRETE SWALE TO REMAIN

10' OF CLEARING AND GRUBBING ON BOTH SIDES OF CONCRETE SWALE. ALL REMOVED DEBRIS TO BE PROPERLY DISPOSED OF OFFSITE. LIMITS OF CLEARING AND GRUBBING AND REGRADING MAY BE ADJUSTED BY VILLAGE AT PRE-CONSTRUCTION MEETING

SEE LEFT

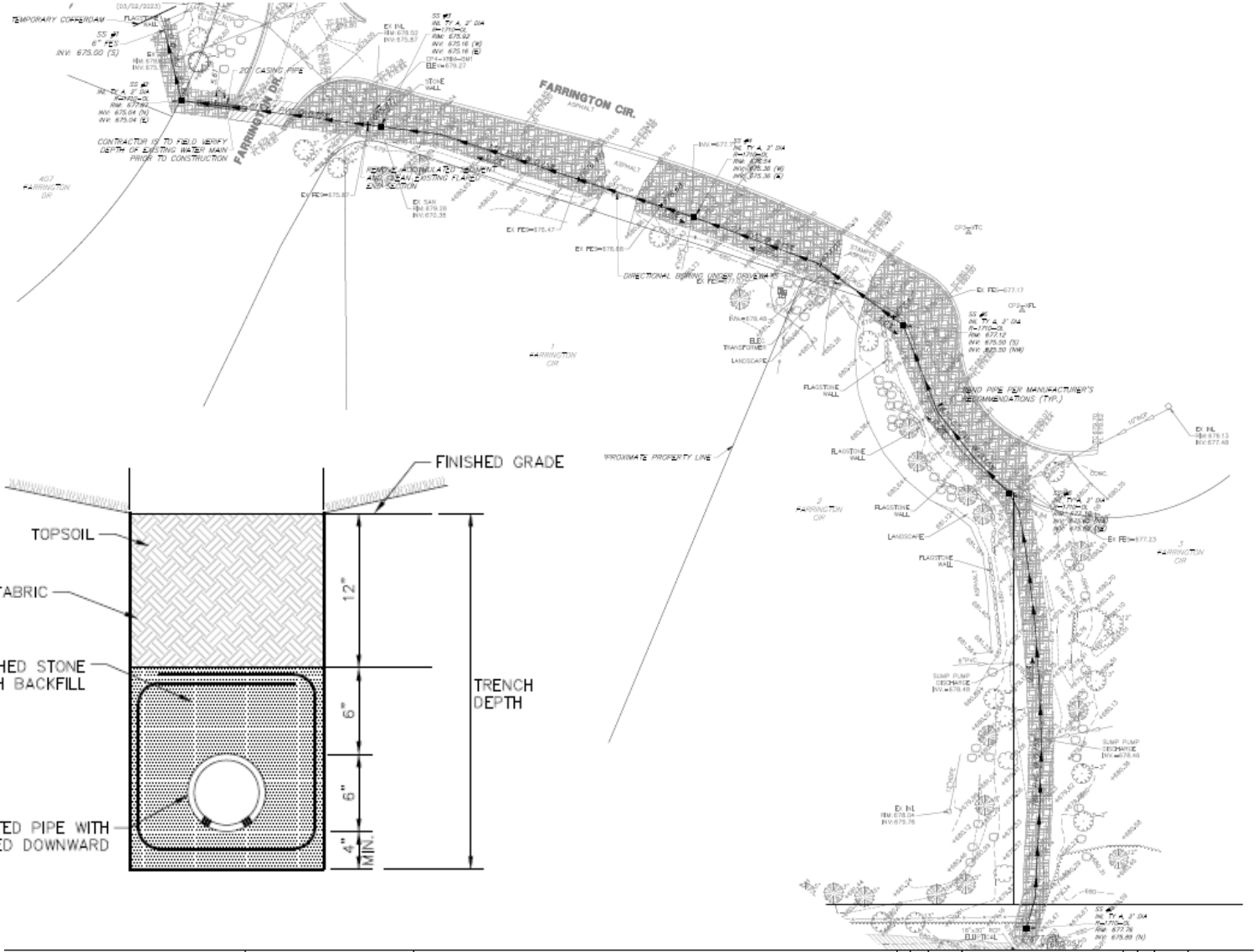
EXISTING FENCING AND TREES TO REMAIN DURING CONSTRUCTION.

BRAMPTON LN.

VILLAGE OF
LINCOLNSHIRE

ACCESS

PROPOSED ALTERNATIVE



NEXT STEPS

- FINALIZE DESIGN
- PERMITTING
- BID PROCESS
- LATE SUMMER/FALL CONSTRUCTION

QUESTIONS?

THANK YOU

VILLAGE OF
LINCOLNSHIRE