



**Jane Addams Memorial Tollway (I-90)
NSMJAWA Main**

February 27, 2014

Overview

- ▶ **Northwest Suburban Municipal Joint Action Water Agency (NSMJAWA) relocation**
- ▶ **Design efforts identified areas in conflict**
- ▶ **Plan: “Avoid, Protect, Relocate”**

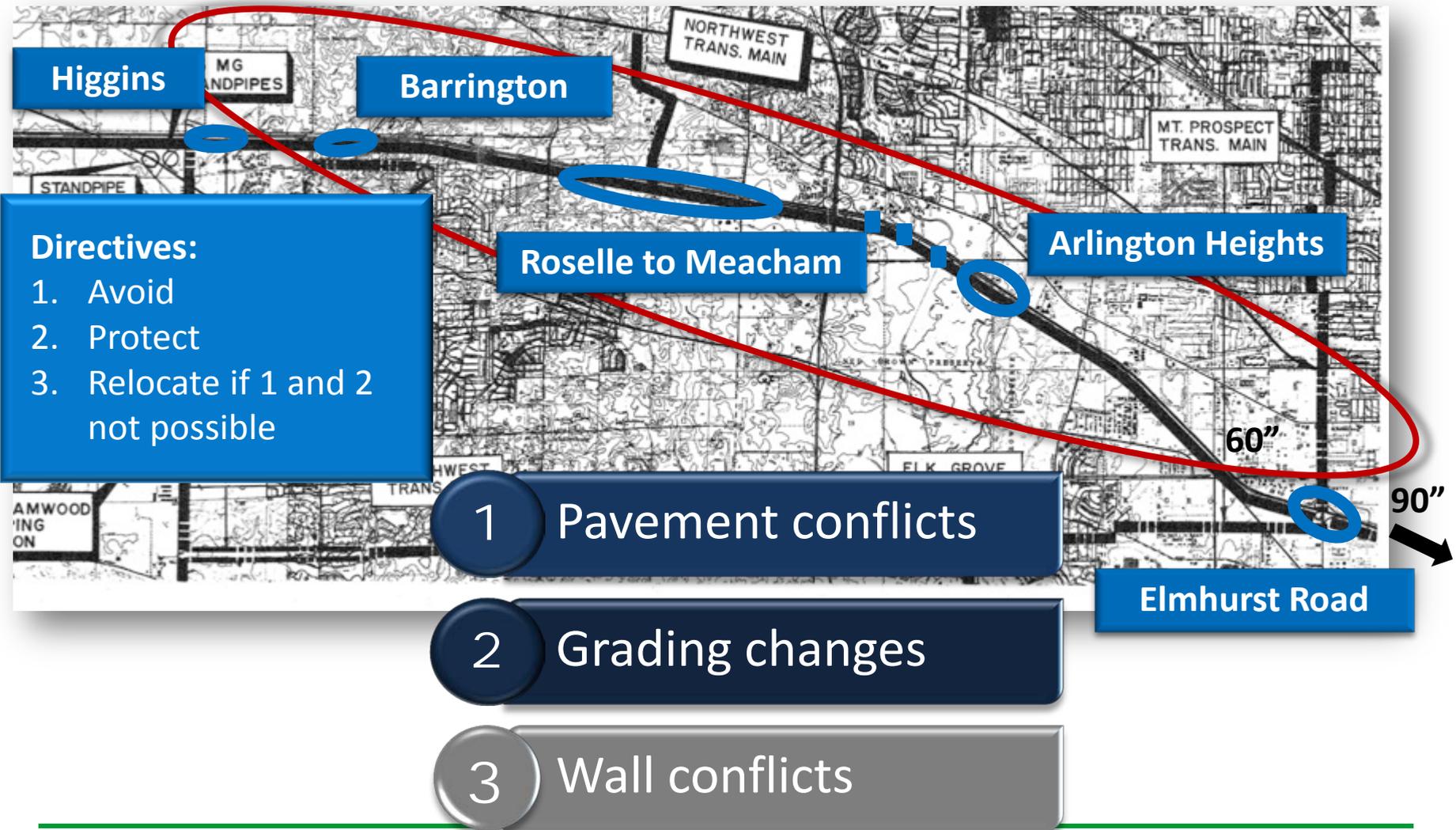
NSMJAWA Background

- ▶ **NSMJAWA created by joint agency agreement in 1981**
 - ▶ Elk Grove Village, Schaumburg, Rolling Meadows, Hoffman Estates, Hanover Park, Streamwood and Mount Prospect
- ▶ **Service to a daytime population of 500,000 people – totaling 12 billion gallons a year**
- ▶ **Pipe installed by agreement with the Tollway in 1984**
 - ▶ Adjacent to Tollway for approximately 16.5 miles
 - ▶ 90” to 20” transmission mains, up to 150 psi

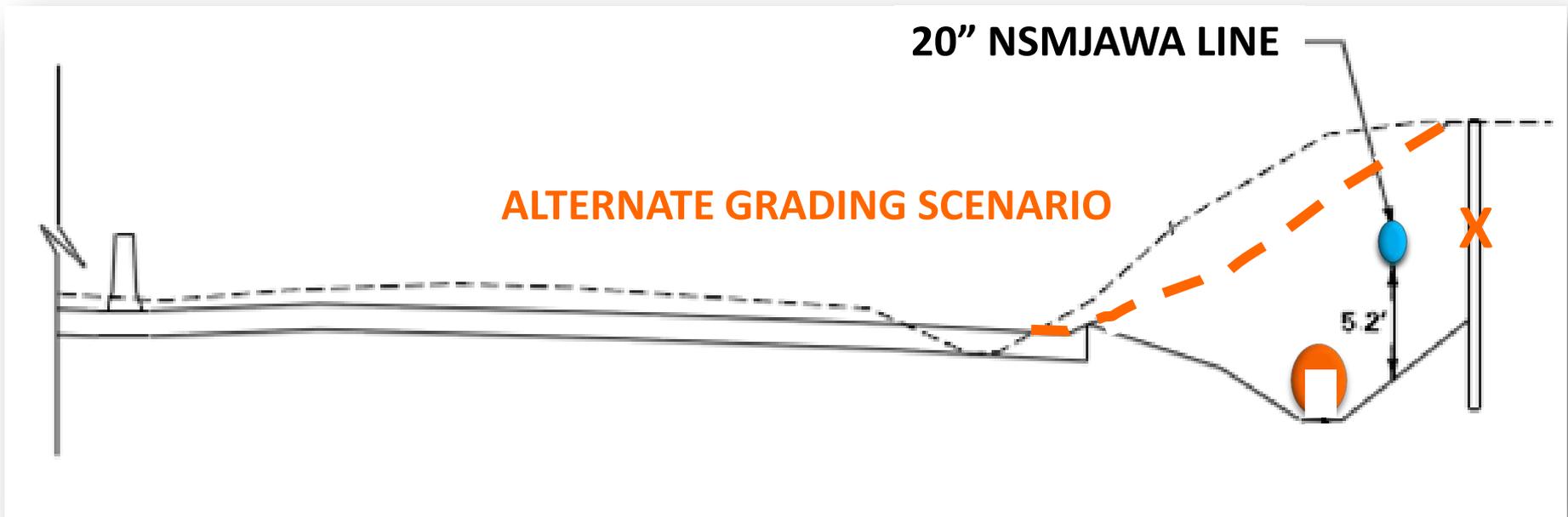
NSMJAWA Watermain



NSMJAWA Watermain Conflicts

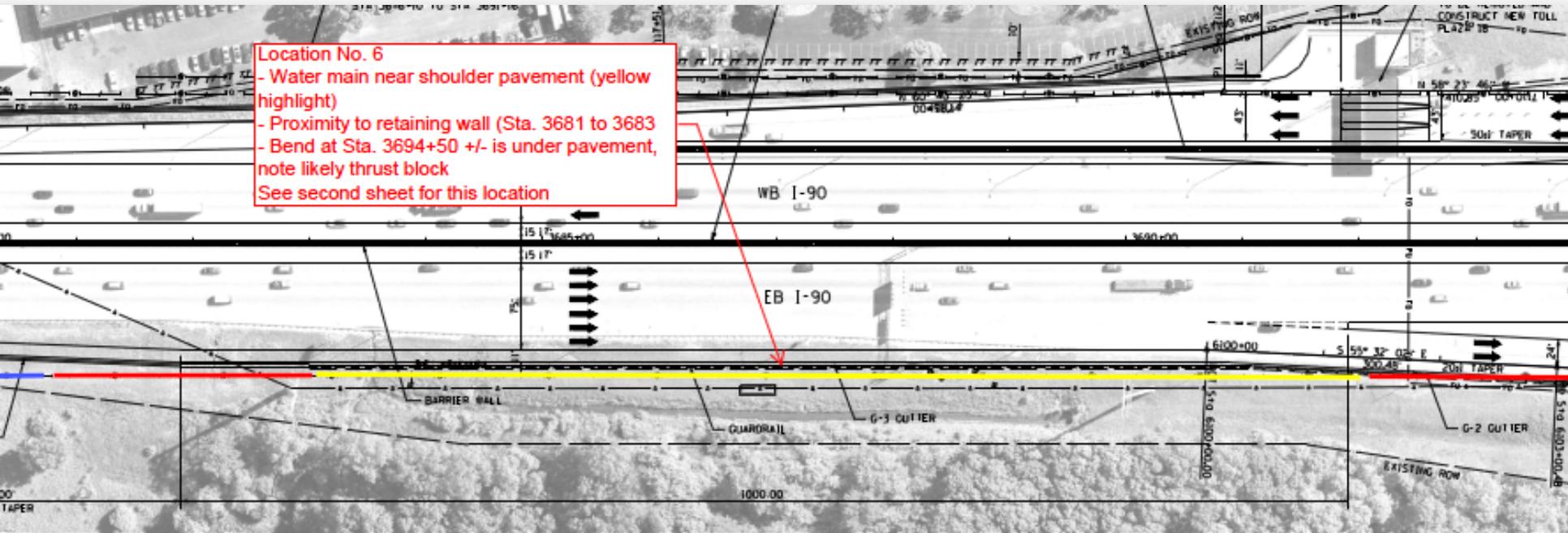


NSMJAWA – Grading Conflicts



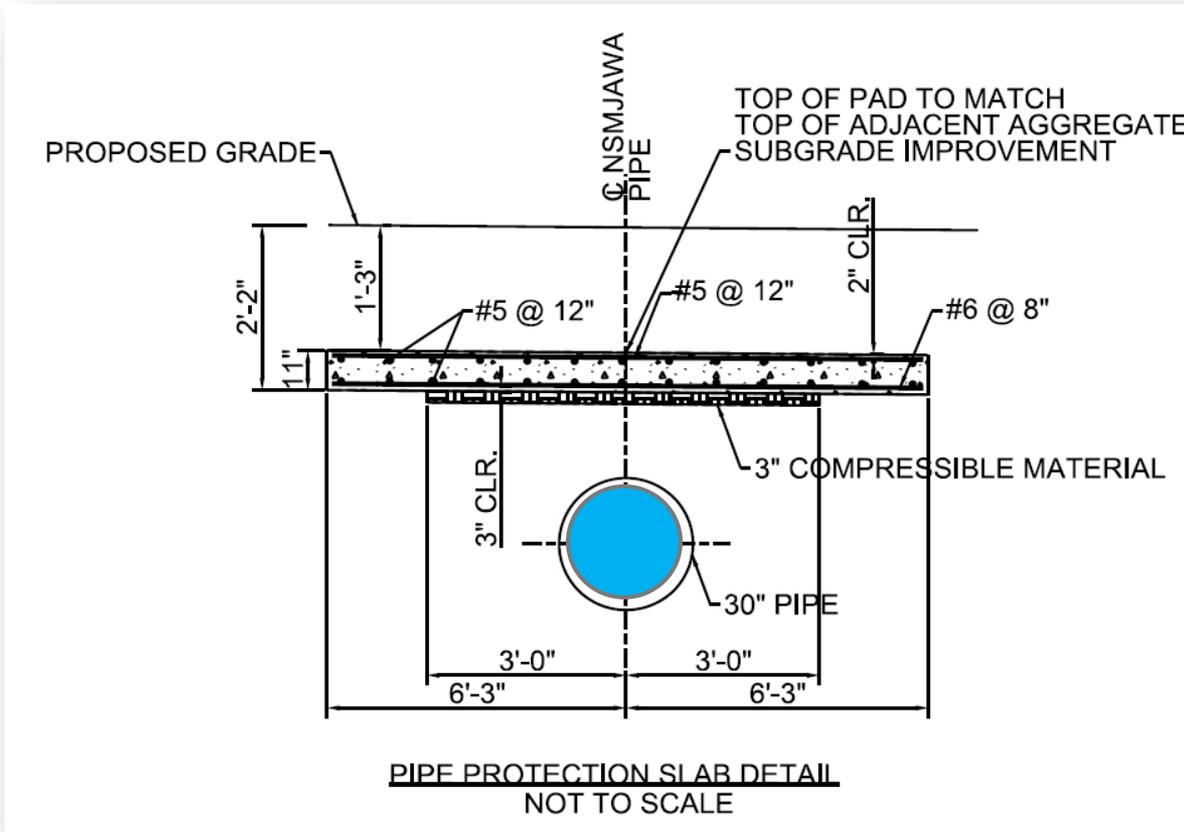
Grading conflicts

NSMJAWA – Pavement Conflicts



Pavement conflicts

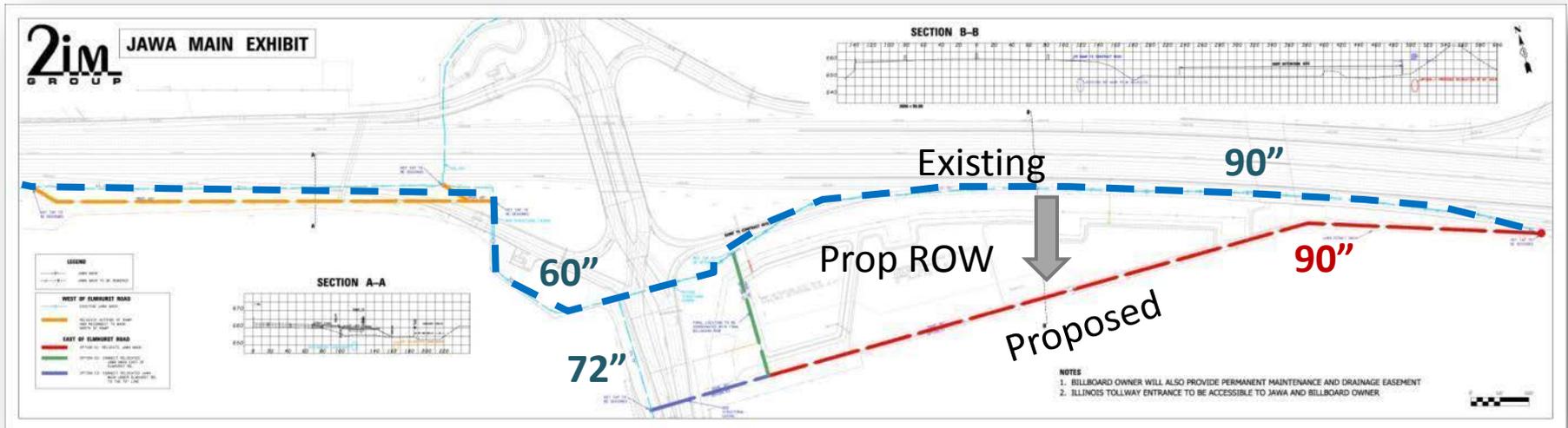
NSMJAWA – Protection



Protection

NSMJAWA – Hot Tap Location

- ▶ Critical section of NSMJAWA system
- ▶ Single source of water supply
- ▶ Accommodates I-90 and Elgin O’Hare Western Access



Elmhurst Road

NSMJAWA Hot Tap

▶ **What is a hot tap?**

- ▶ A hot tap makes a connection to existing piping without the interrupting or emptying that section of pipe

▶ **Why use a hot tap?**

- ▶ Total shutdown is not an option - no disruption of service
- ▶ Temporary bypass piping is used to maintain water service
- ▶ Performed when water usage is lowest
- ▶ Lowest amount of risk

NSMJAWA – Hot Tap





Questions?
