

Overview of the Design and Construction Activities for Zone B



Slide Show 2 of 3

Mark Atencio

March 17, 2010



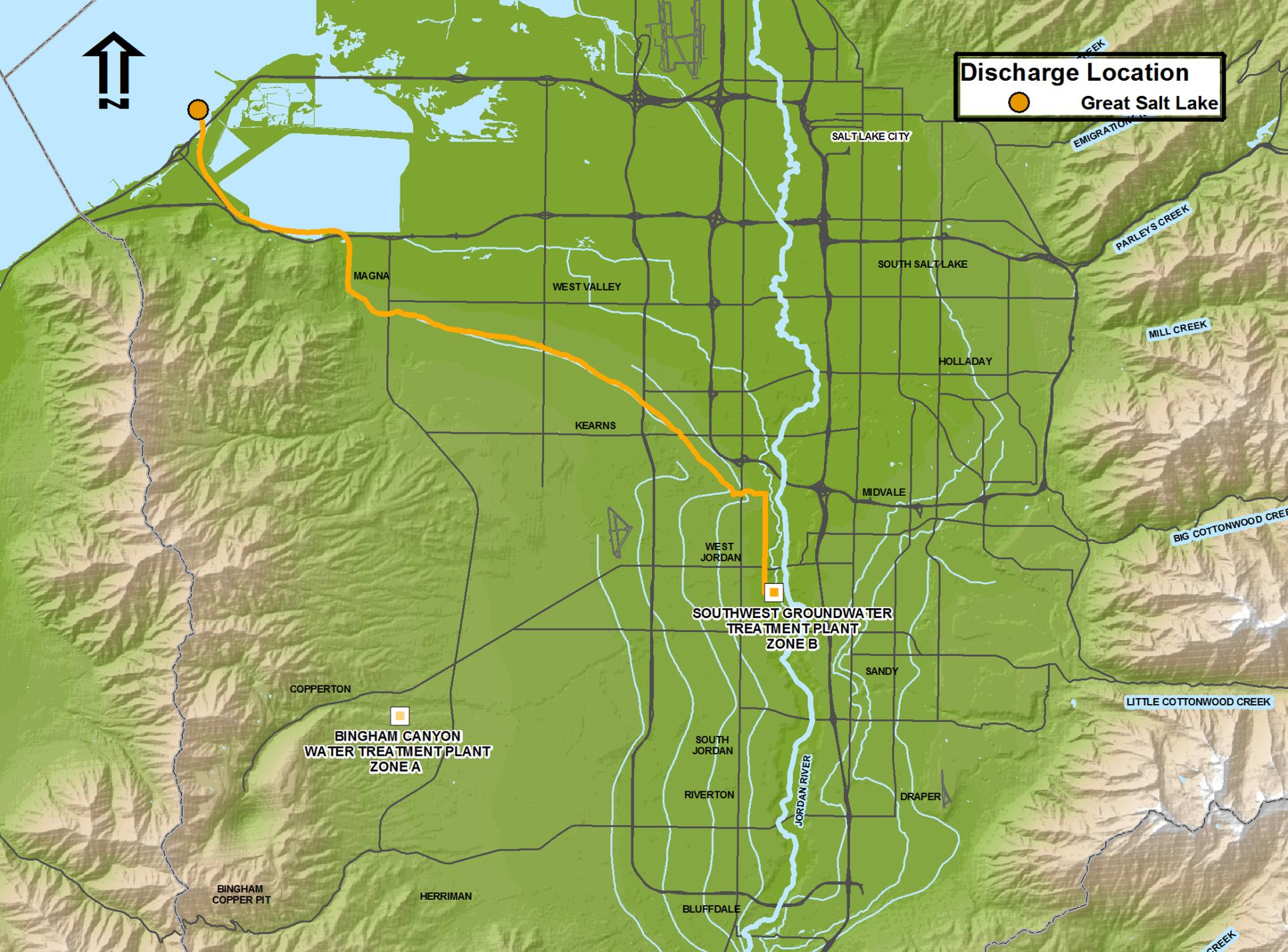
Zone B Facilities

By-product Pipeline

- Design
- Bidding
- Construction



Discharge Location
● Great Salt Lake



By-Product Pipeline Construction

- Phase I
 - 9200 West to 1300 West
- Phase II
 - 9200 West to Great Salt Lake

CONTRACT DOCUMENTS

FOR THE CONSTRUCTION OF

SW GROUNDWATER PROJECT BYPRODUCT PIPELINE PHASE I

VOLUME 2
DRAWINGS



Jordan Valley Water Conservancy District

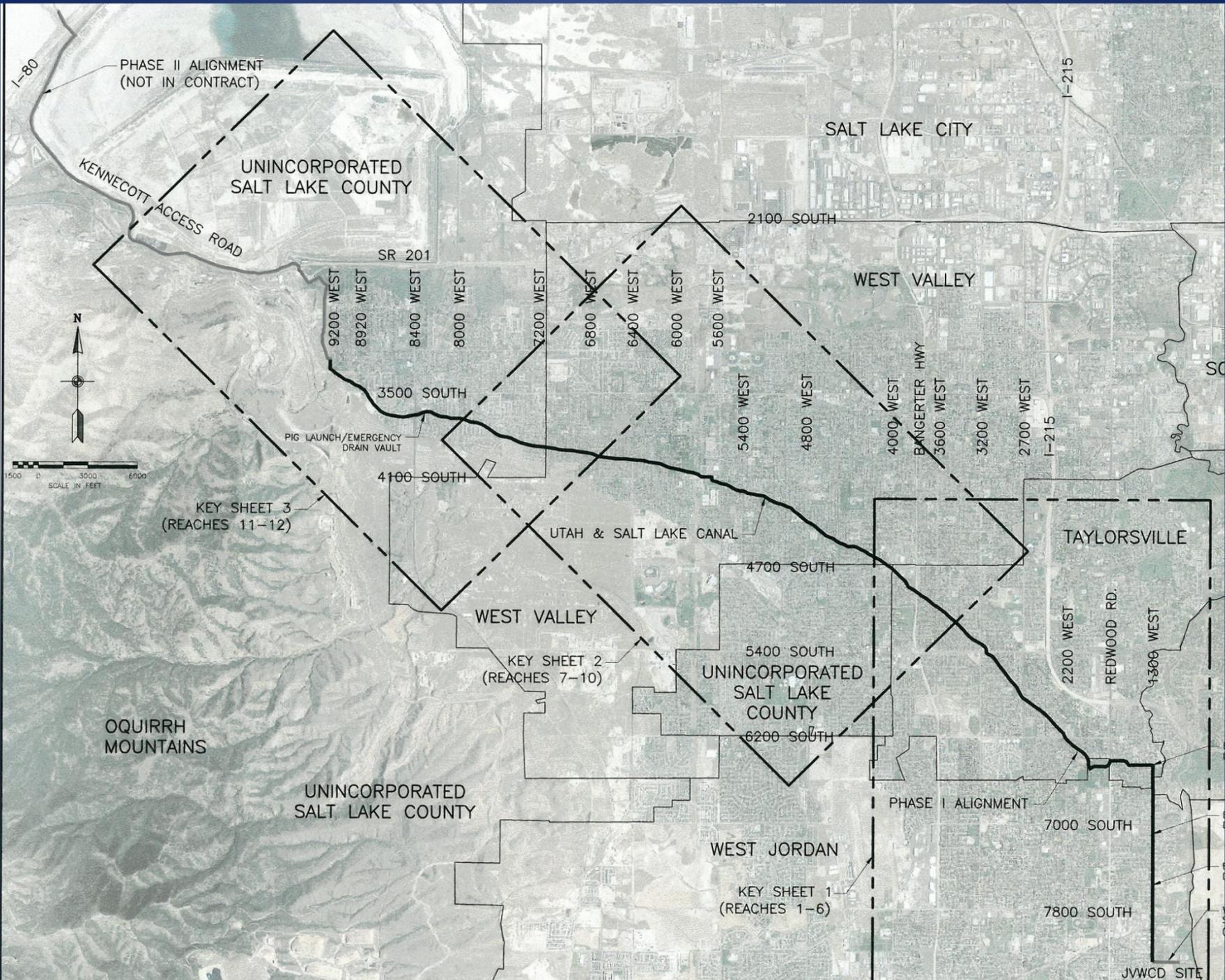


FOR INFORMATION REGARDING THIS PROJECT CONTACT:

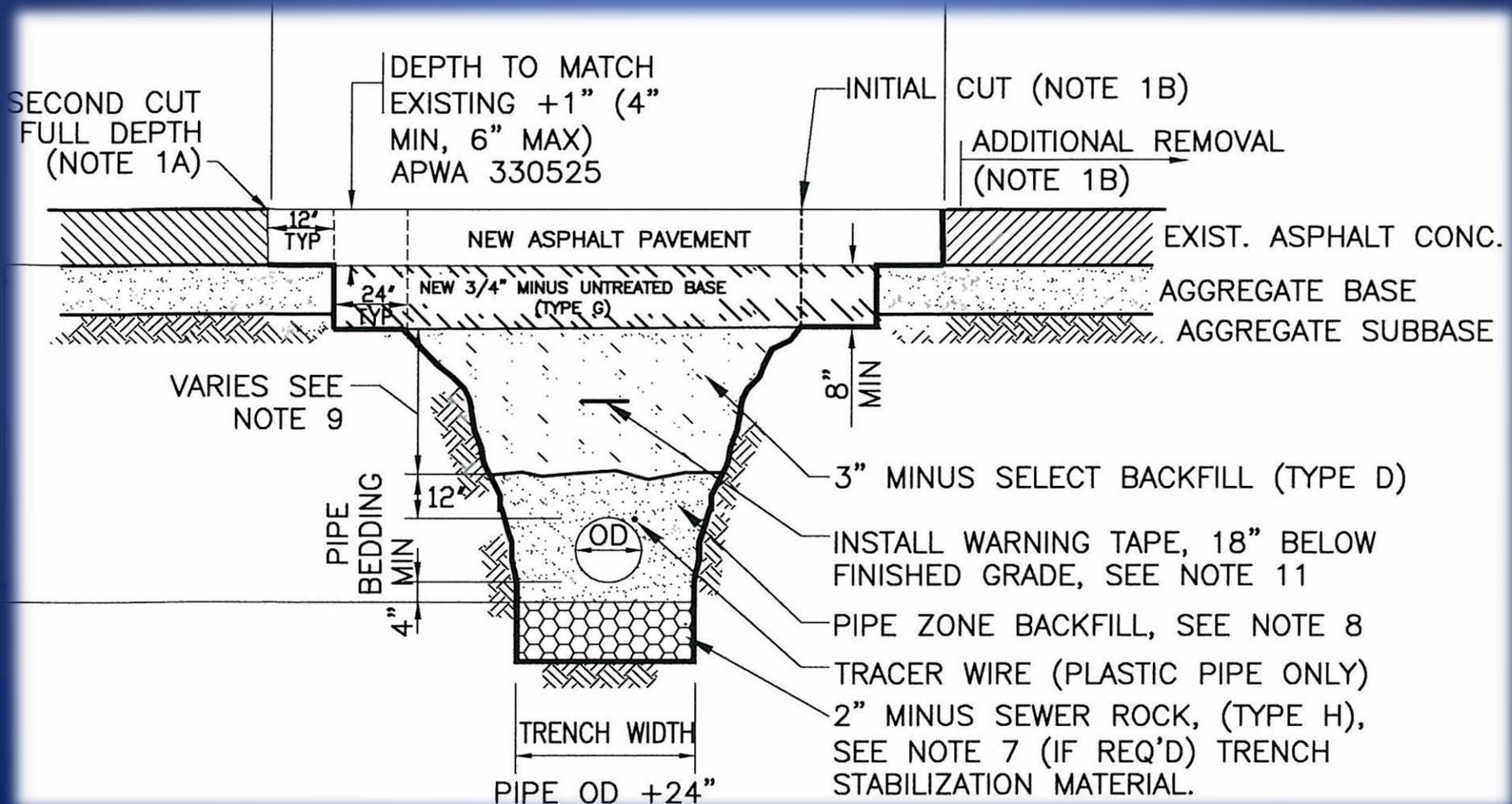
Cristina Nelson
154 East 14000 South
Draper, Utah
(801) 495-2224



September 2009



Trench Design in City Street



Typical Construction Scenario



Trench Design in Canal Road

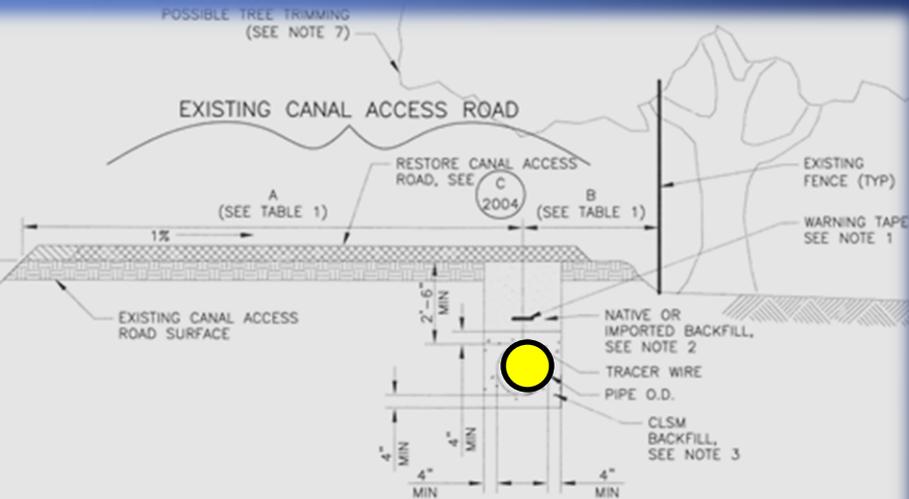
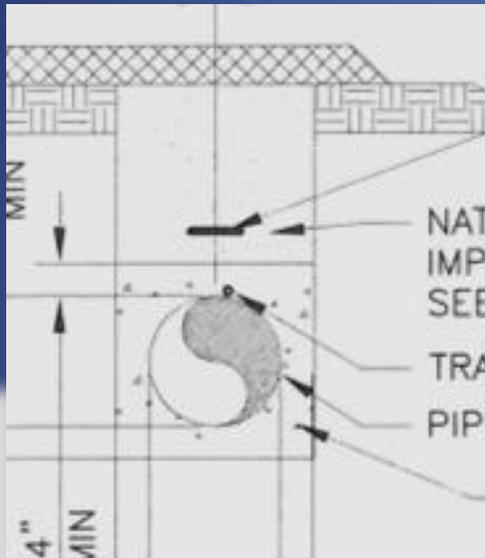


TABLE 1

RIGHT OF WAY WIDTH	A	B
STANDARD ($\geq 18'$)	13'	VARIABLE (5' MIN.)
NARROW ($< 18'$)	VARIABLE (7'-13')	5'

SEE NOTE 6

FINISHED GRADE.
WATER TEL #

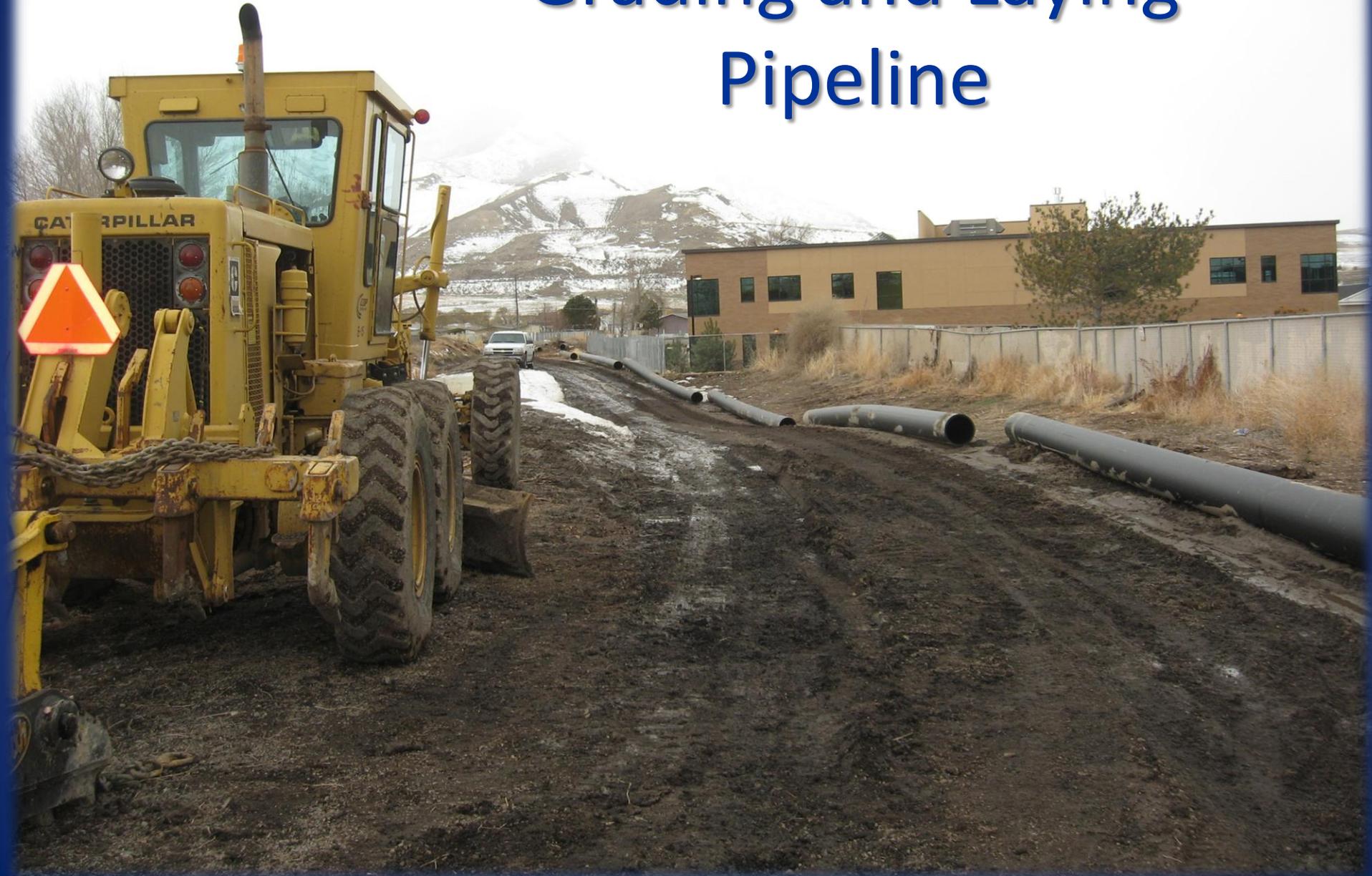
USE NATIVE OR
IMPORTED MAXIMUM

SEE O
102200.
FOR INSTALL
AND DURING

Delivery and Stockpiling Pipeline



Grading and Laying Pipeline



Fuse Welding of HDPE Pipeline Joints

(welded joint is
stronger than the
pipeline)



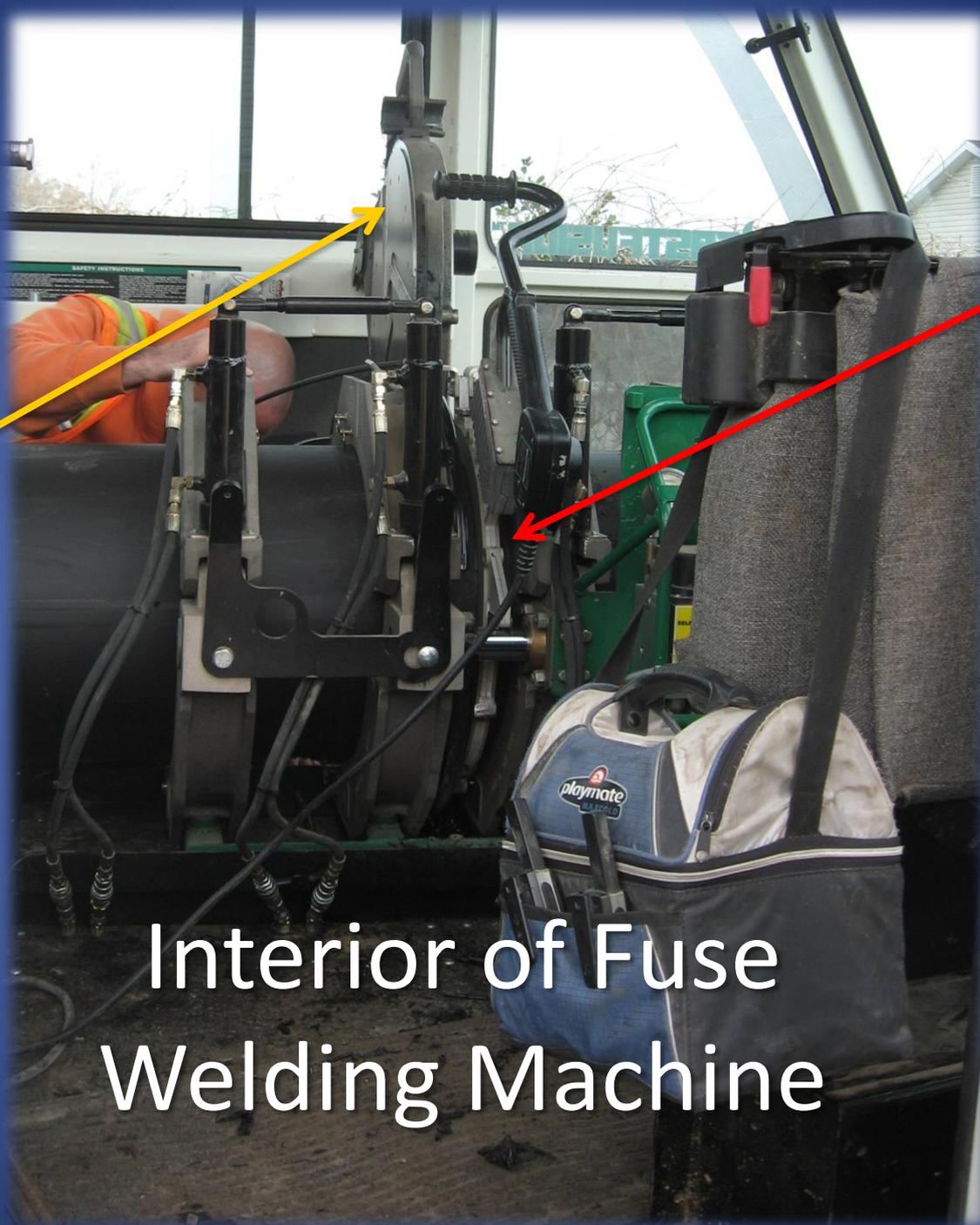


Fuse Welding Machine

A white fuse welding machine is positioned on a dirt path, with a large, grey pipe being moved by it. The machine has "FUSE WELDING MACHINE" written on its side. In the background, there are residential houses, a chain-link fence, and bare trees. The ground is partially covered with snow. A yellow excavator is visible in the distance.

Fuse Welding Machine

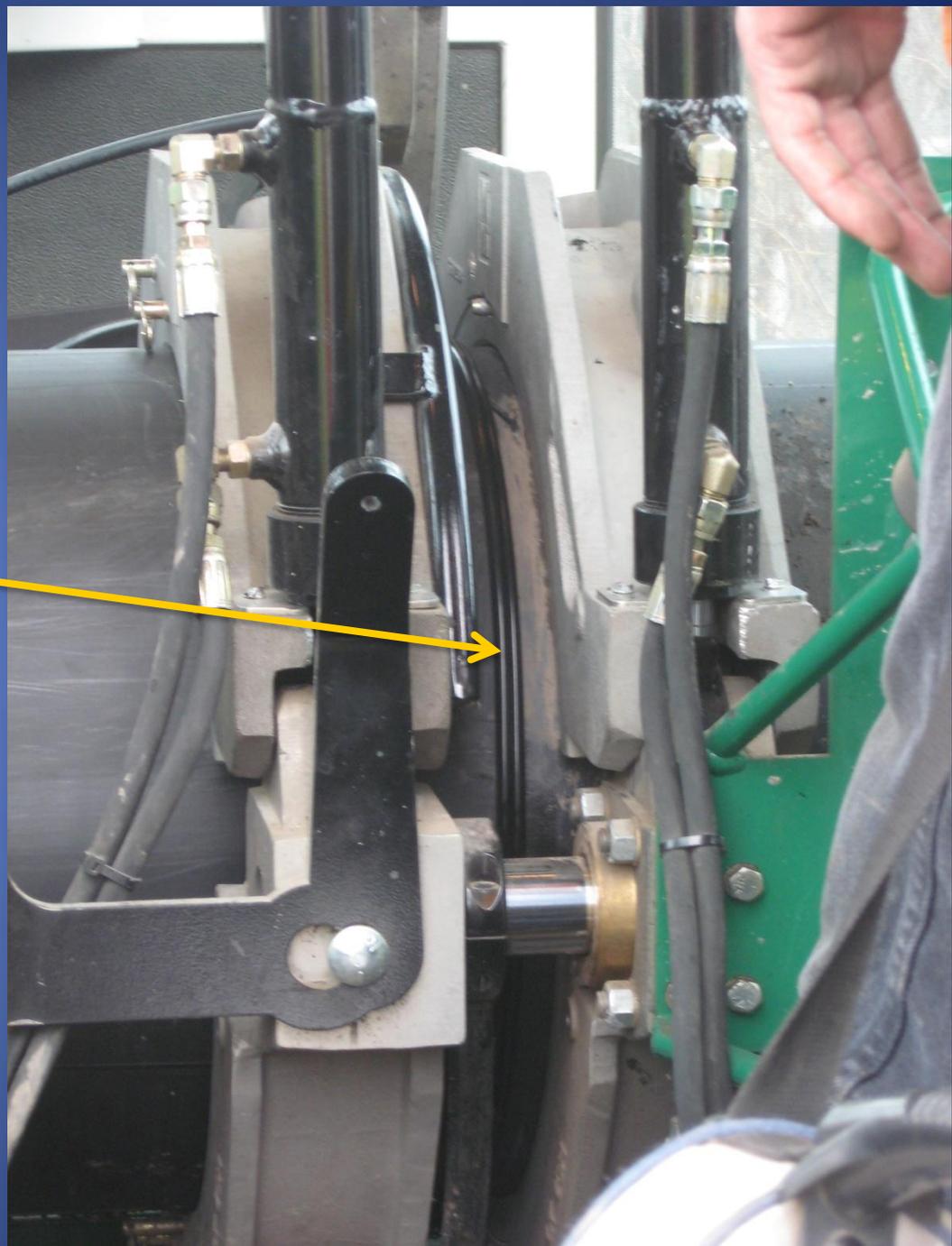
“Clean
Edge”
Saw
Blade



Hot
“Iron”

Interior of Fuse
Welding Machine

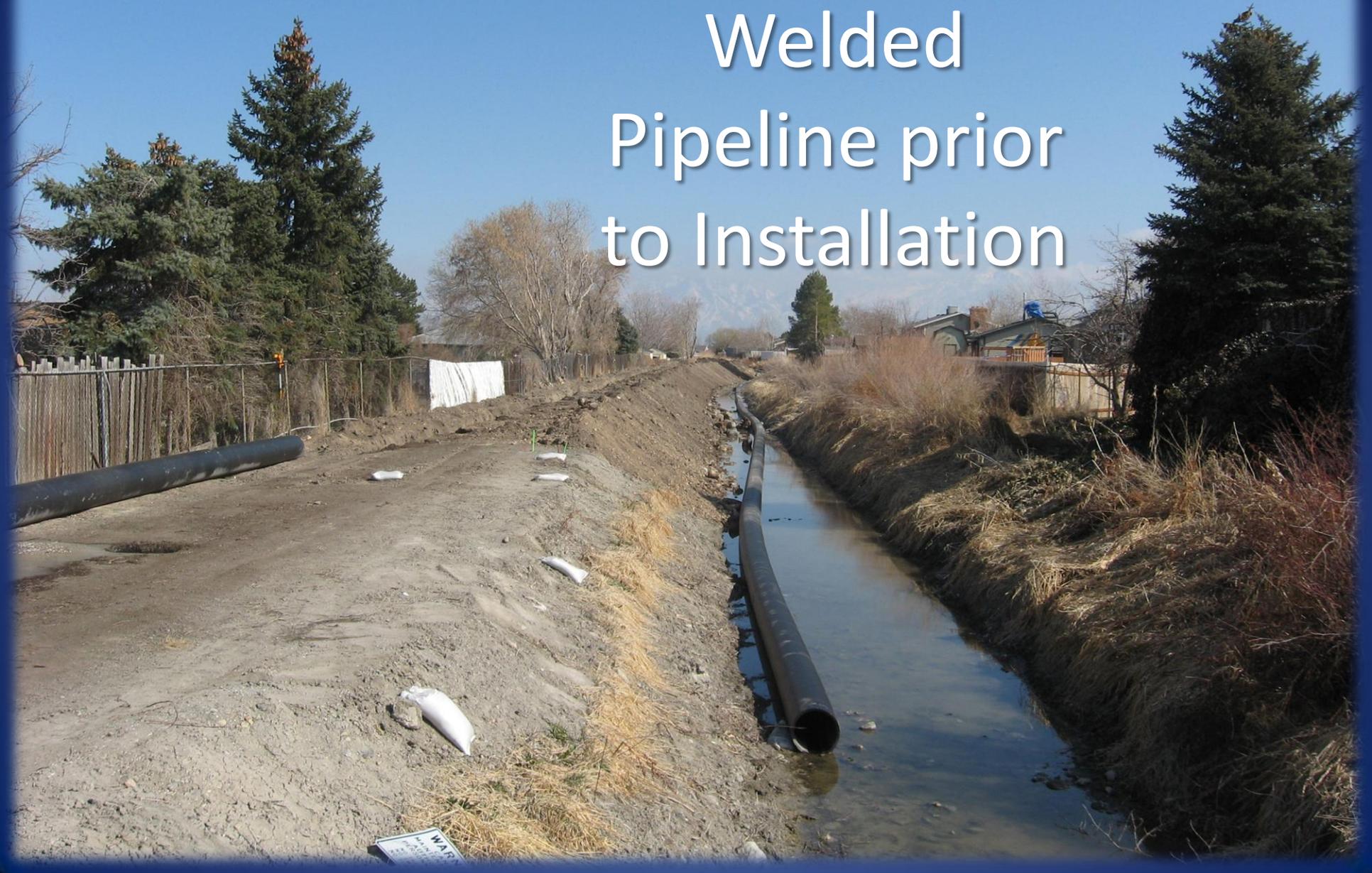
Weld
Beads





Interior Weld Bead Removal

Welded Pipeline prior to Installation



Welded Pipeline



Directional Drilling under some Roads





Trench Excavation

Trench Excavation



Welded Pipeline and Trench Excavation



Pipeline Installation (note sandbags under the pipeline)



Pipeline Installation



Welded Pipeline Installation





Installed
Pipeline
(note the sand
bags
underneath the
pipeline)

Placing Low
Strength
Cement
Mortar
Backfill
(flowable
backfill)



Placing Flowable Backfill





Backfilled Pipeline

Concrete Truck Leaving the Work Site



Placing Backfill directly from Concrete Truck





Placing Backfill
directly from
Concrete Truck

Placing Pipeline Backfill

(end of slides 2 of 2)

