

GRP PROGRAM CONSTRUCTION PROGRESS



**GRP Review
Committee
Meeting
February 24, 2014**



**SJRA Board
of Directors
Meeting
February 27, 2014**

SURFACE WATER FACILITY CONSTRUCTION ADMINISTRATION

Project Data Thru 1/31/2014

Contracted Amount:	\$190,704,740.00
Change Orders:	\$ 0.00
Estimate to Complete:	\$190,704,740.00
Amount Invoiced:	\$ 84,768,426.00
Percent Complete:	44%
Completion Date:	June 2015

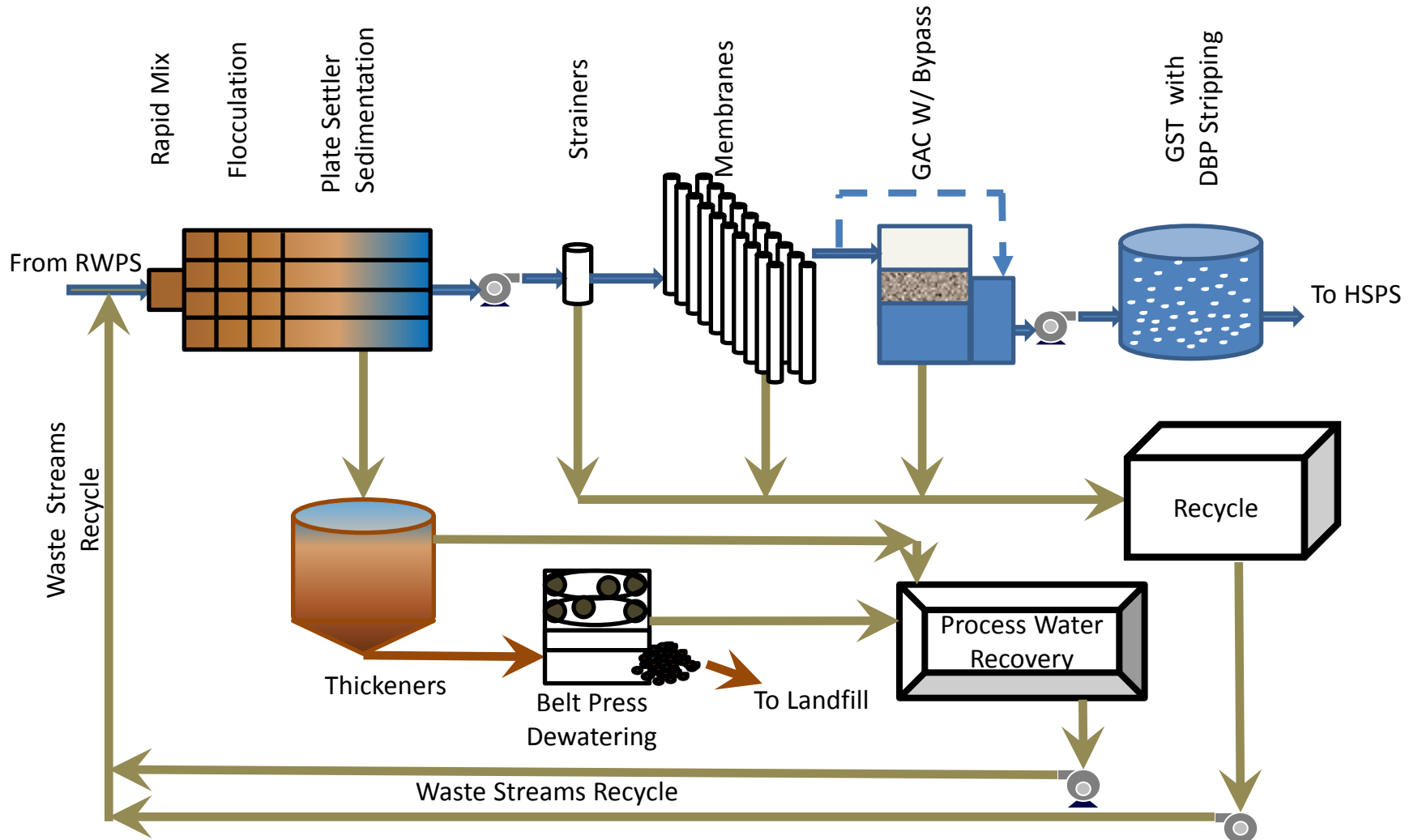


SURFACE WATER FACILITY CONSTRUCTION ADMINISTRATION

Project Data Thru 1/31/2014

- Plant startup and commissioning plan development is underway
- Plant equipment factory acceptance testing has begun
- Plant construction daily workforce is approximately 350 workers







**Raw Water Intake
and Pump Station**





Previous progress photograph



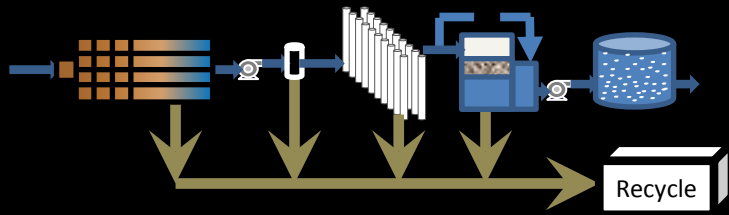
Interior view of masonry installation



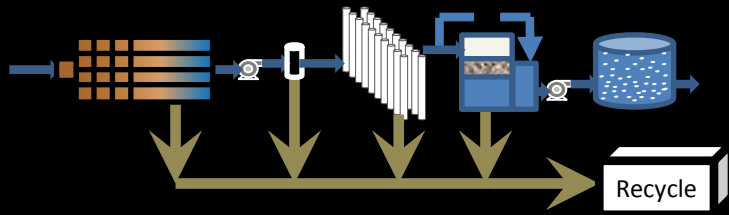
**GAC
Contactors**

**Membrane
Building**

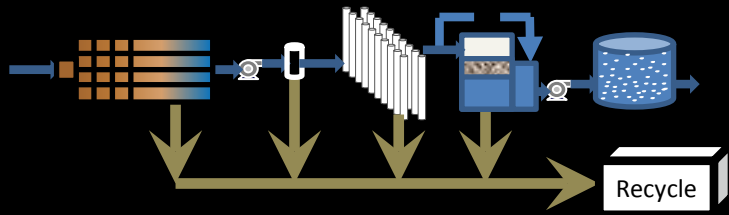
**Pretreatment
Facilities**



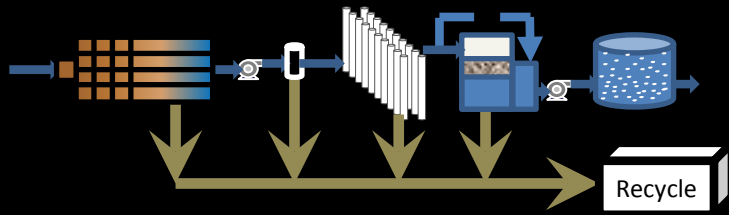
Pretreatment Facilities – Previous progress photograph



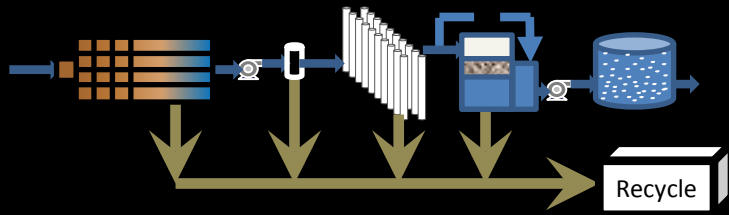
Pretreatment Facilities – Elevated walkway construction



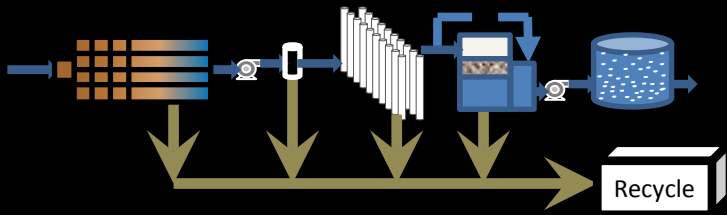
Membrane Building – Previous progress photograph



Membrane Building – Interior pipe trench



GAC – Previous progress photograph

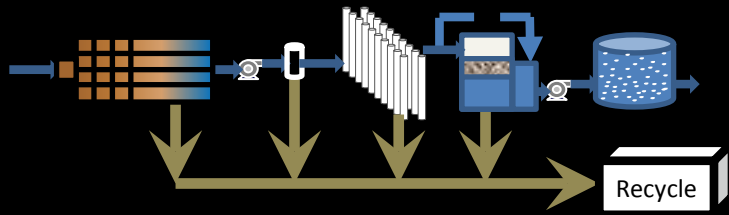


GAC – Exterior view from west

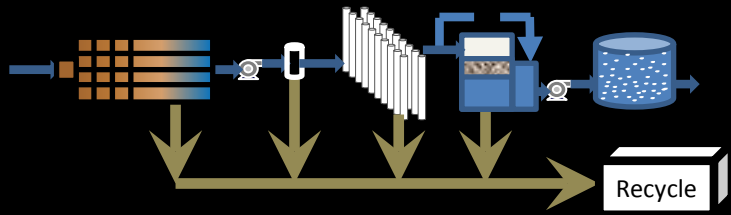


**High Service Pump Station,
GST's, and Blower Building**

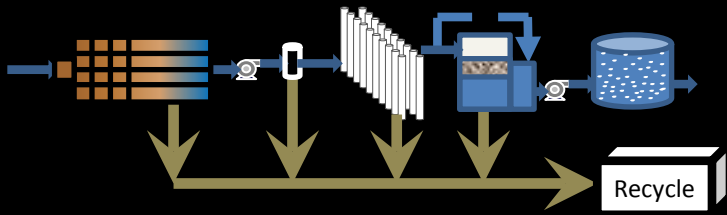




Previous progress photograph



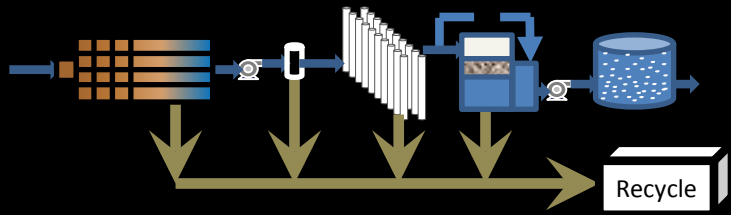
HSPS – Pump room



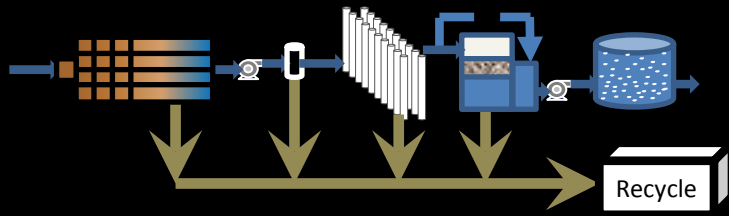
Blower Building – Precast structure installation



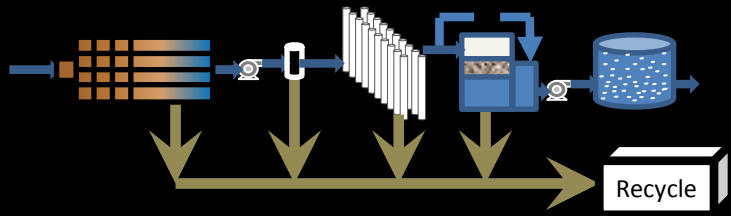
**Chemical
Facilities**



Previous progress photograph



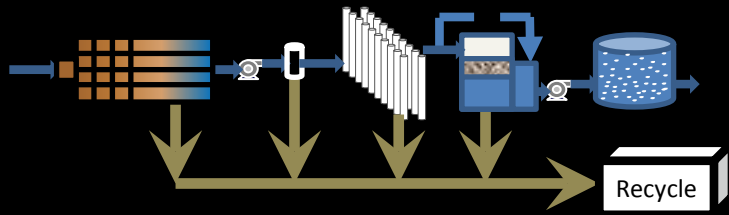
Interior view of chemical storage basin pedestals



Previous progress photograph



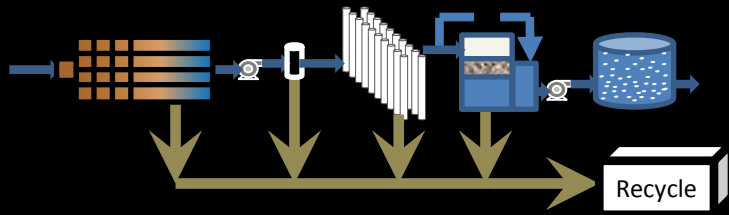
**Backwash
Equalization Basin**



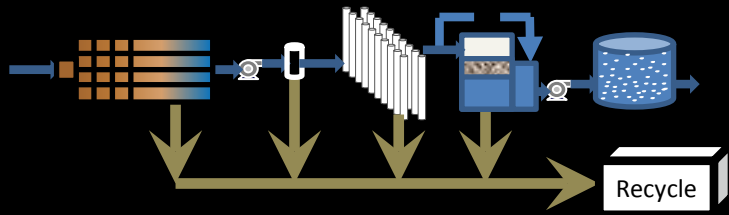
Backwash Equalization Pump Room Foundation



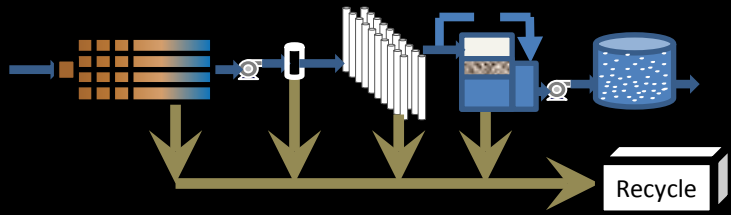
**Solids-Waste Process
Structures**



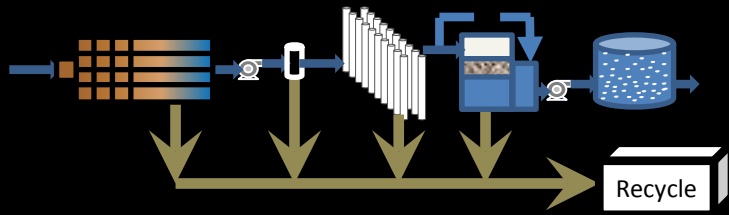
Dewatering Building – Previous progress photograph



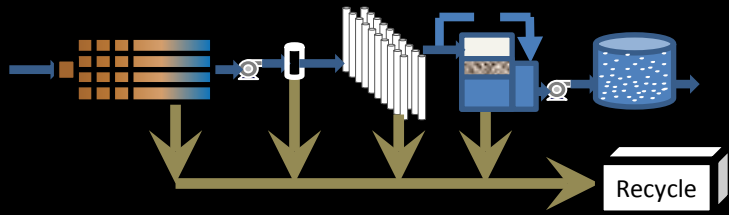
Dewatering Building – Second floor deck installation



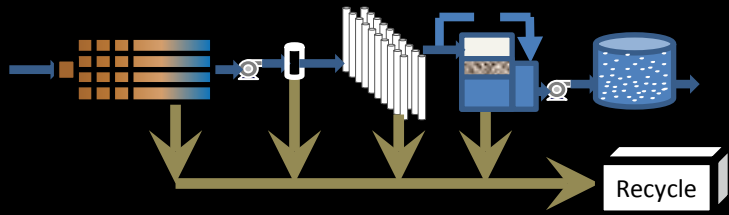
Thickeners – Previous progress photograph



Thickeners – Wall construction



Water recovery basins and pump station – previous progress photograph



Water Recovery Basin Pump Station



**Operations
Building**



Previous progress photograph



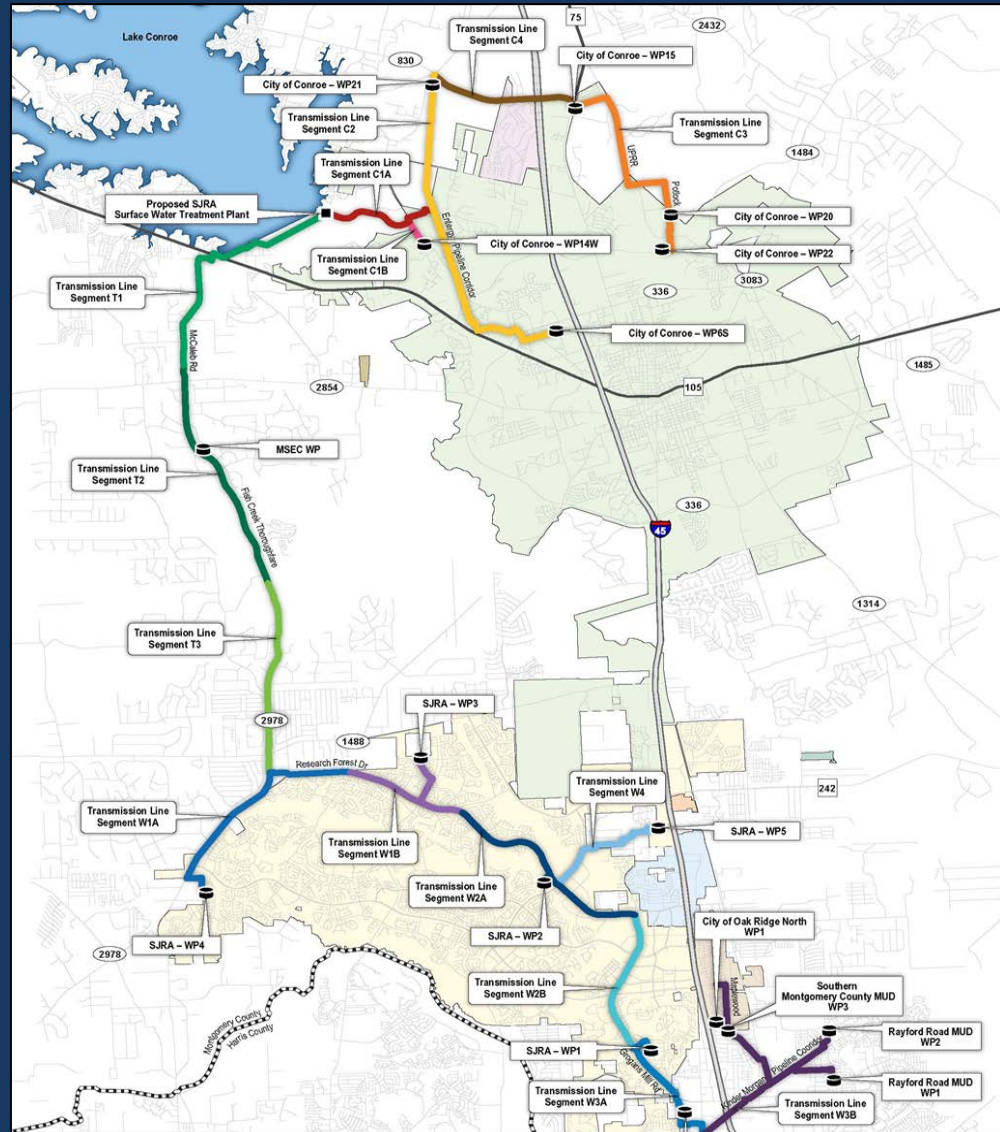
Masonry installation in progress

SURFACE WATER FACILITY CONSTRUCTION PROGRESS

Questions?



SURFACE WATER TRANSMISSION SYSTEM CONSTRUCTION PROGRESS



TRANSMISSION LINE SYSTEM CONSTRUCTION ADMINISTRATION

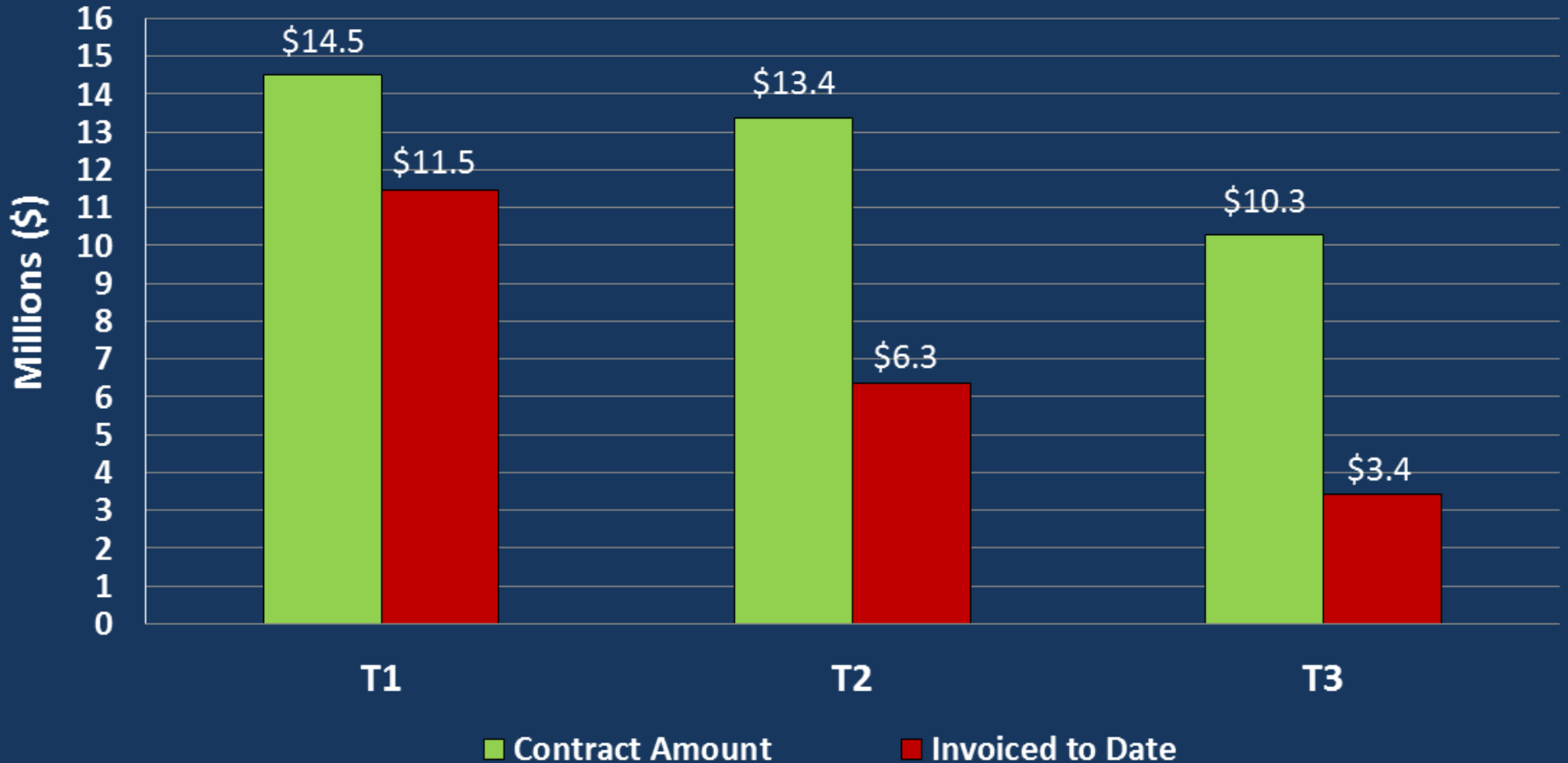
Project Data Thru 1/31/2014

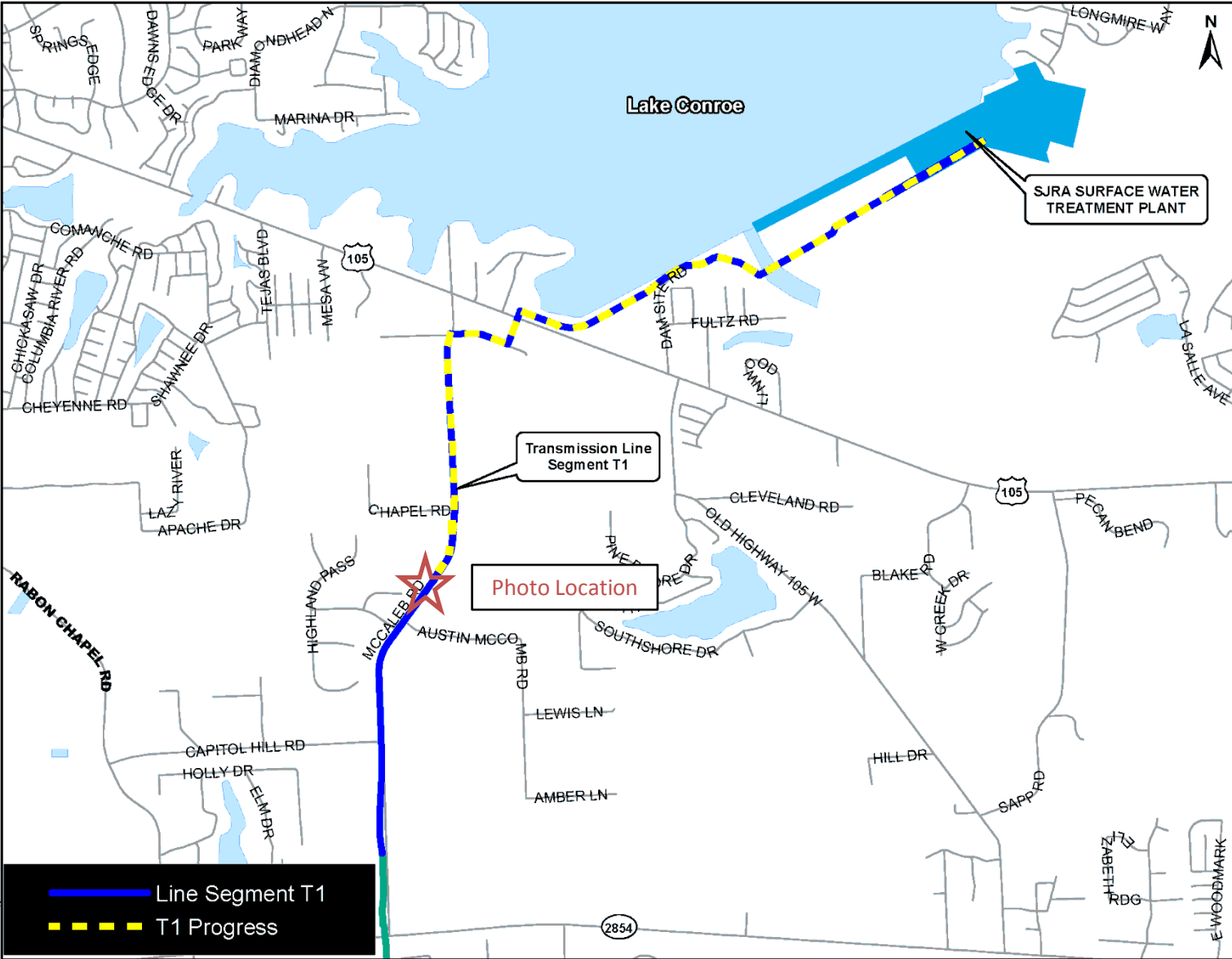
Daily workforce:	250 workers
Piping installed to date:	16.5 miles
Average cost per day:	\$272,000



SURFACE WATER TRANSMISSION SYSTEM

"T" ROUTES - PROJECT DATA





- Line Segment T1
- - - T1 Progress



60 inch pipe installation along McCaleb Road

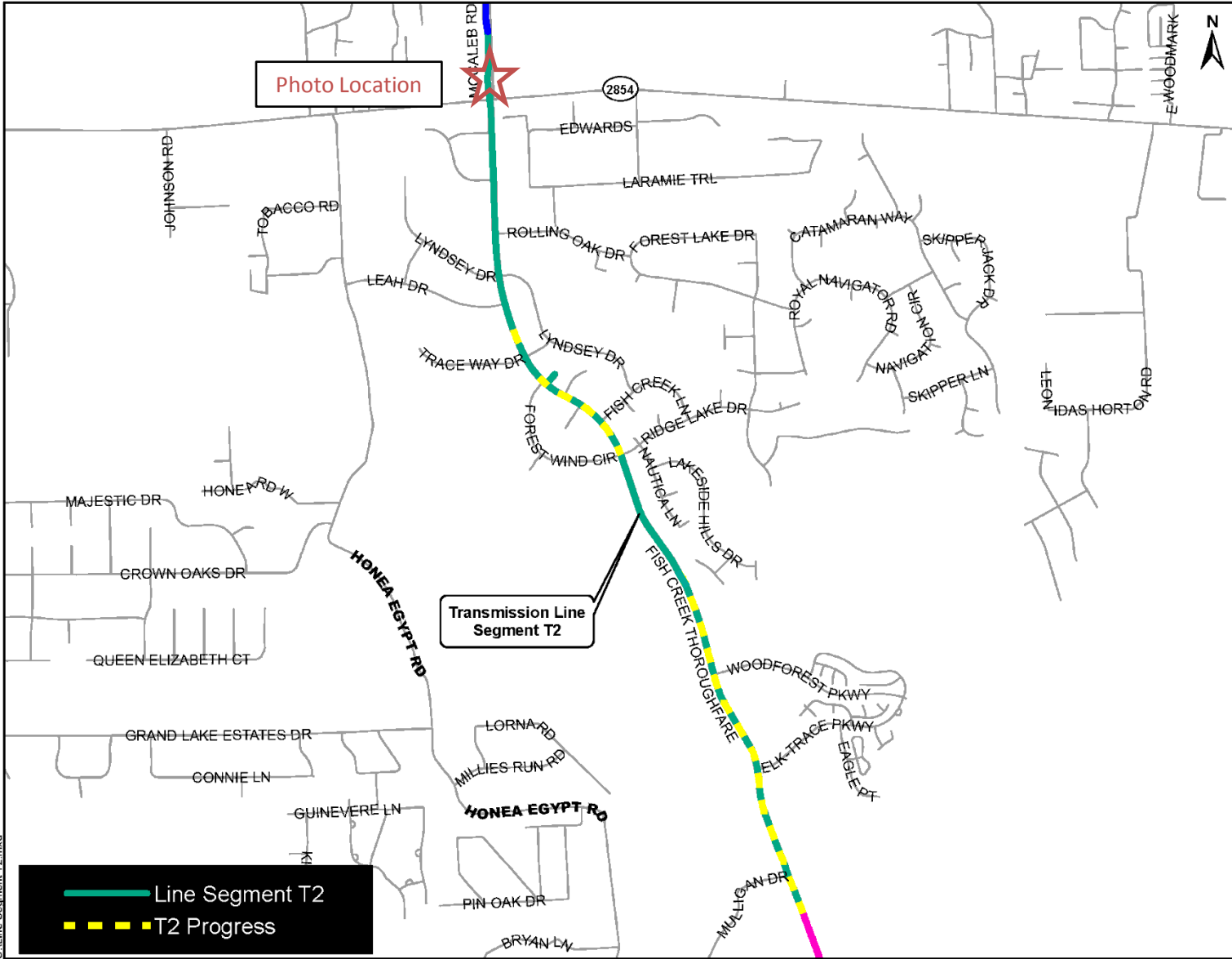


Photo Location

Transmission Line Segment T2

- Line Segment T2
- T2 Progress



Tunnel operation for FM 2854 and BNSF Railroad crossing

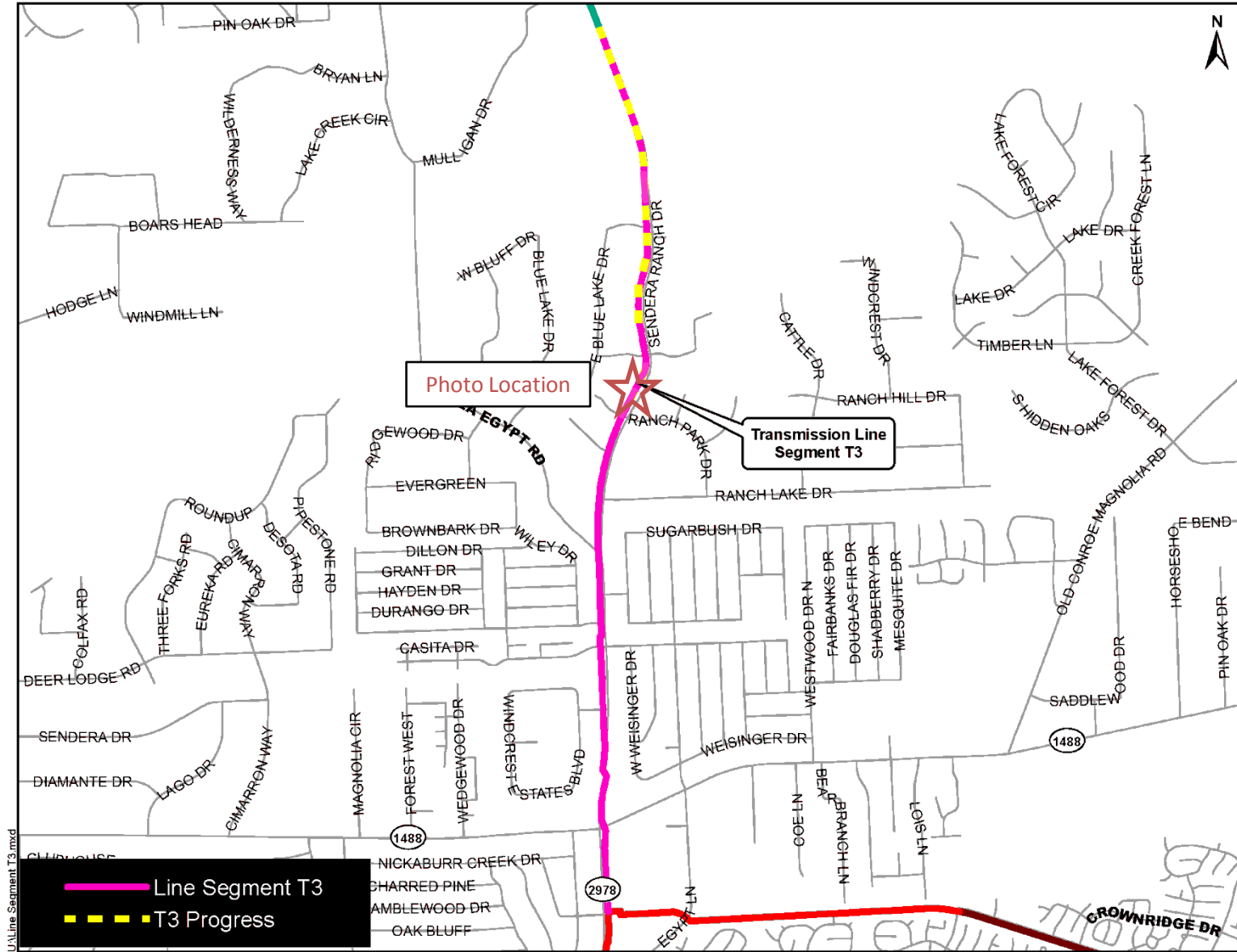


Photo Location

Transmission Line Segment T3

Line Segment T3
T3 Progress

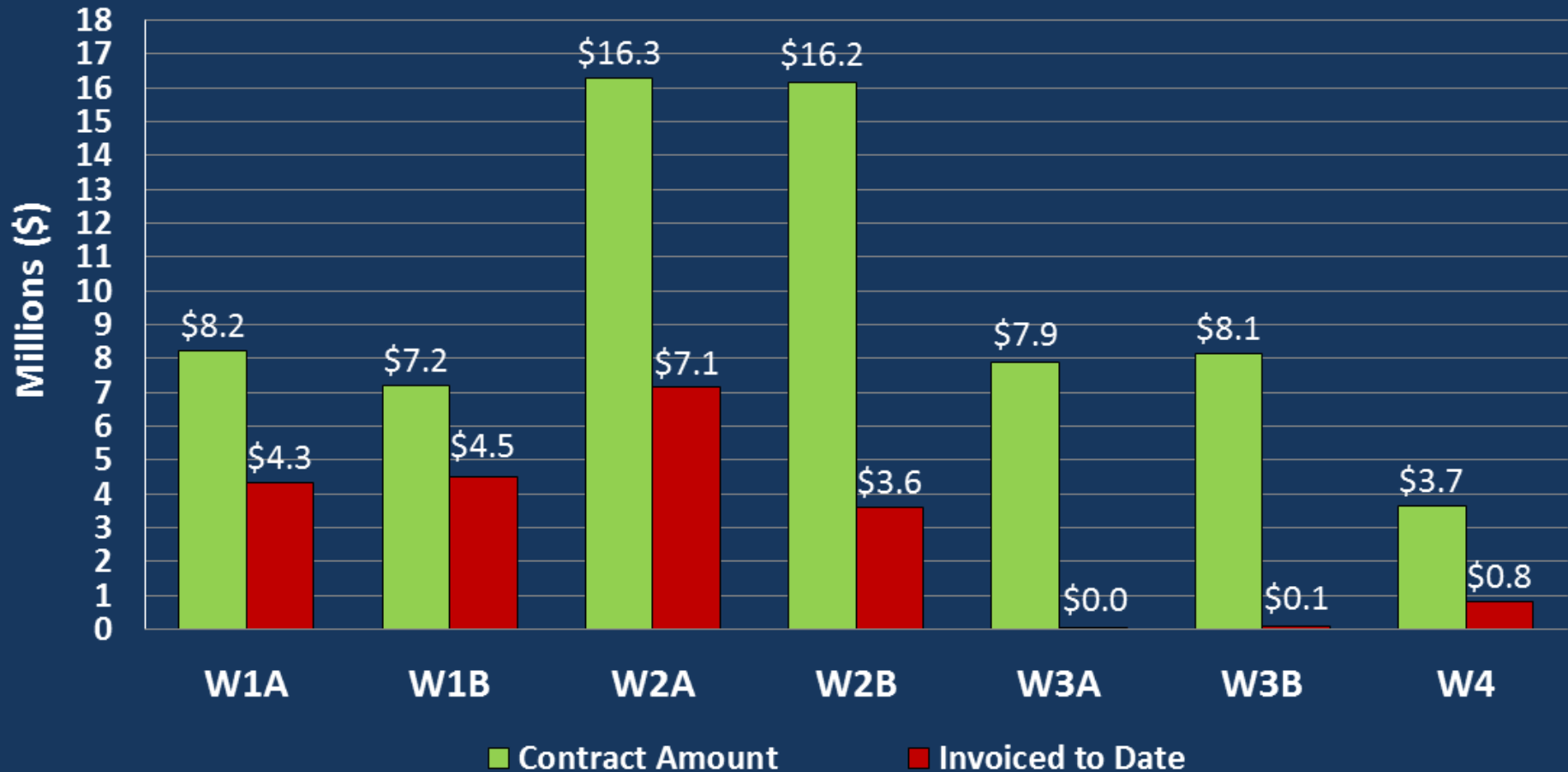
UNLine Segment T3.mxd

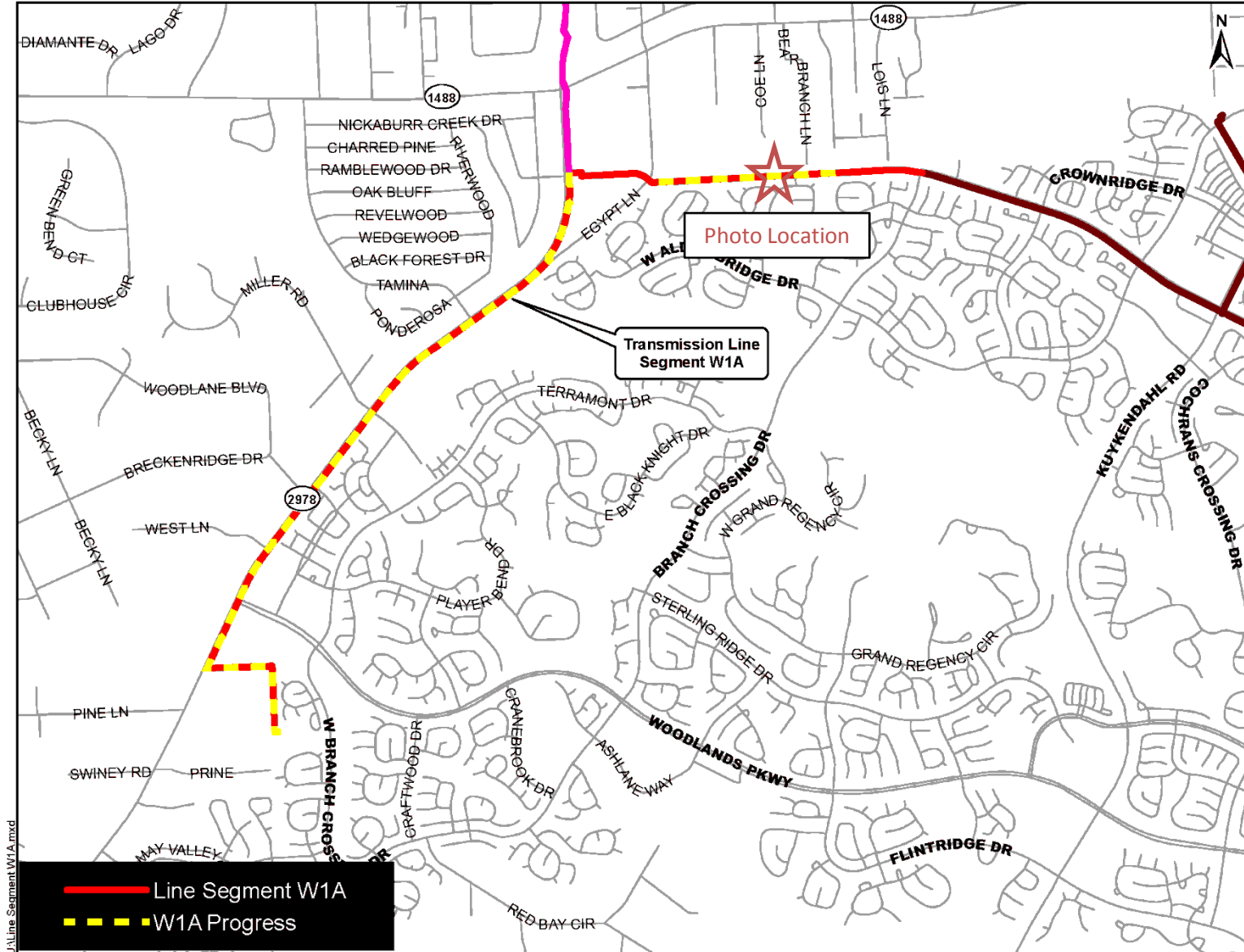


54 inch pipe installation along Fish Creek Thoroughfare

SURFACE WATER TRANSMISSION SYSTEM

"W" ROUTES - PROJECT DATA





LA\Line Segment W1A.mxd

- Line Segment W1A
- - - W1A Progress



48 inch pipe installation along future Research Forest Drive

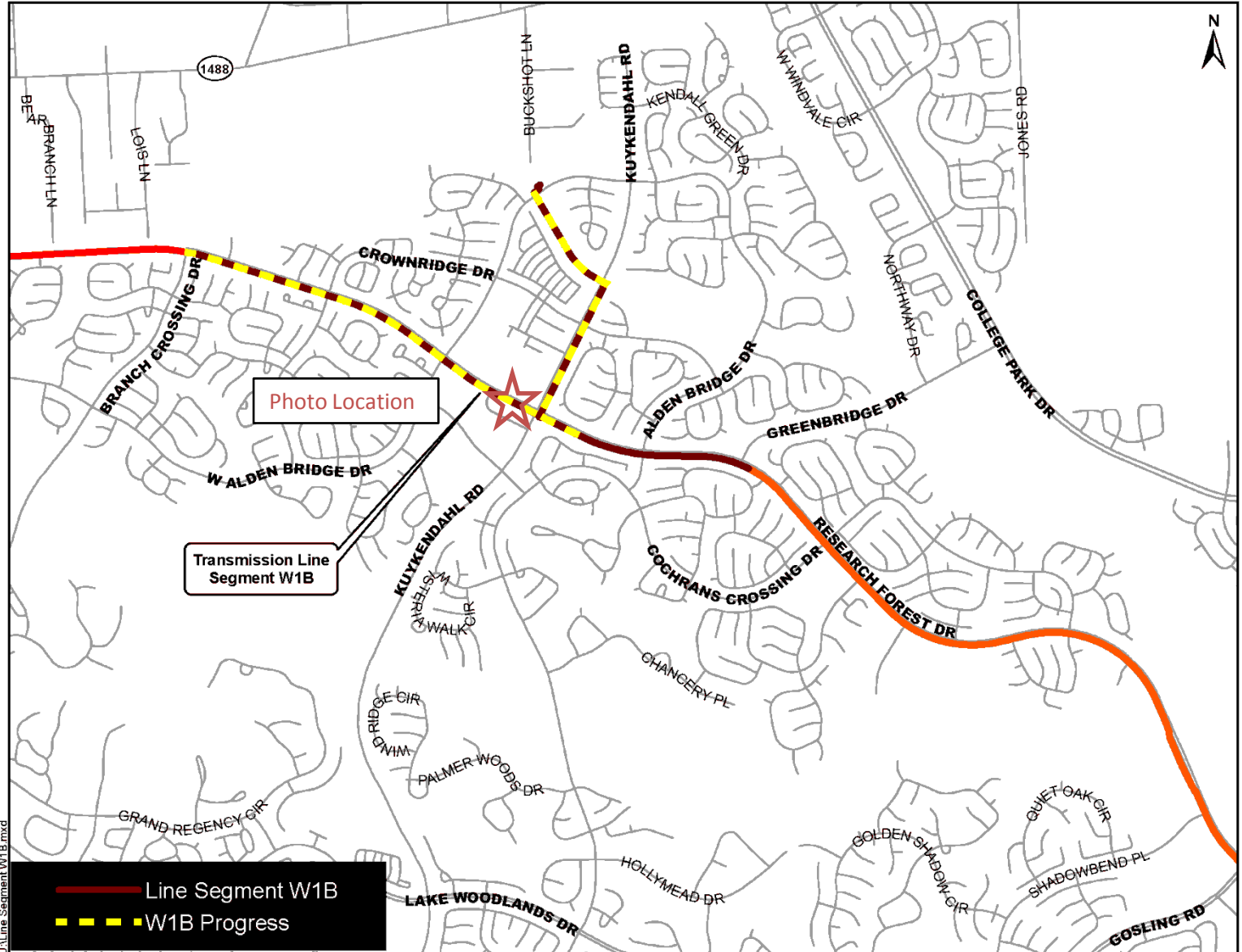


Photo Location

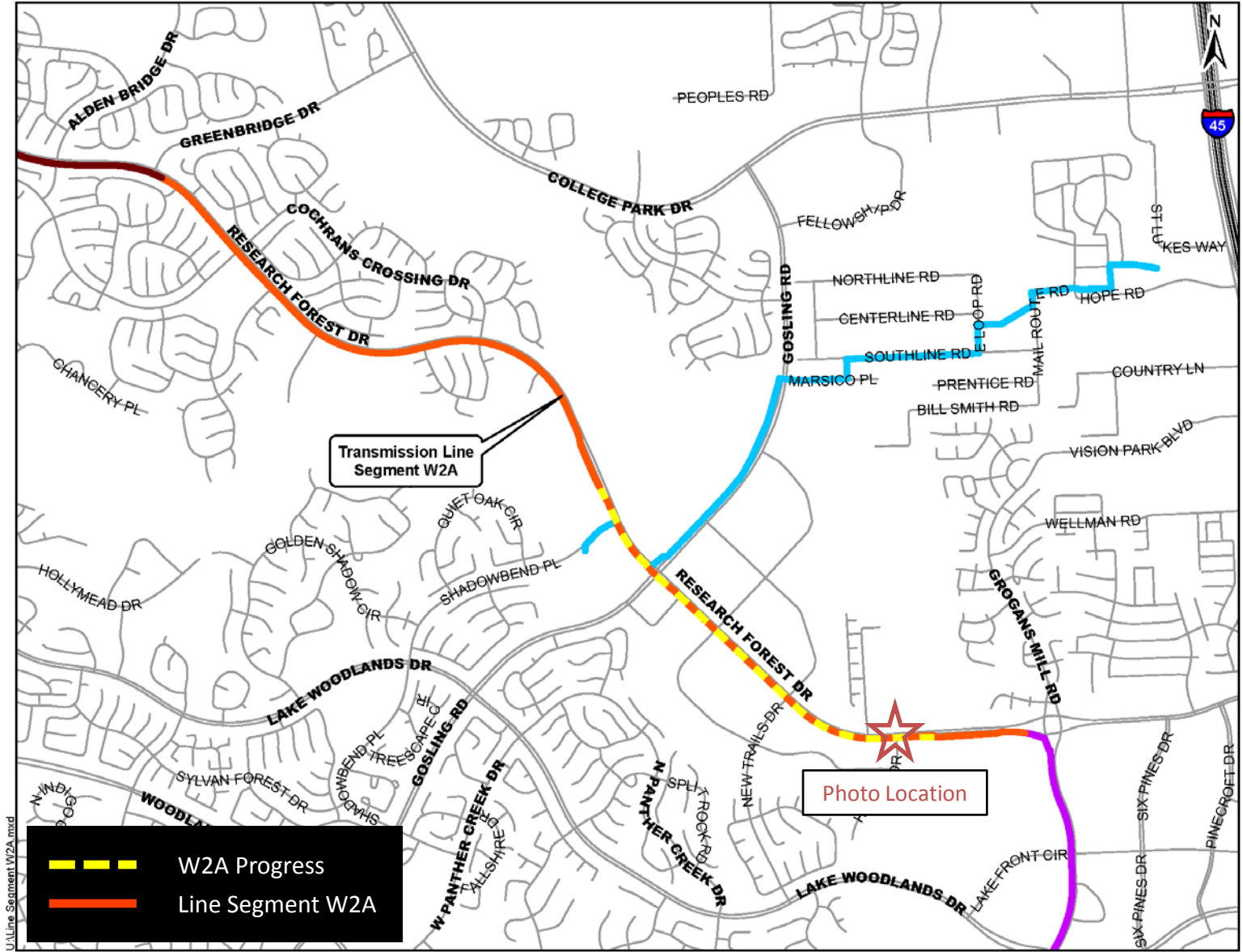
Transmission Line Segment W1B

- Line Segment W1B
- - - W1B Progress

L:\Line Segment W1B.mxd



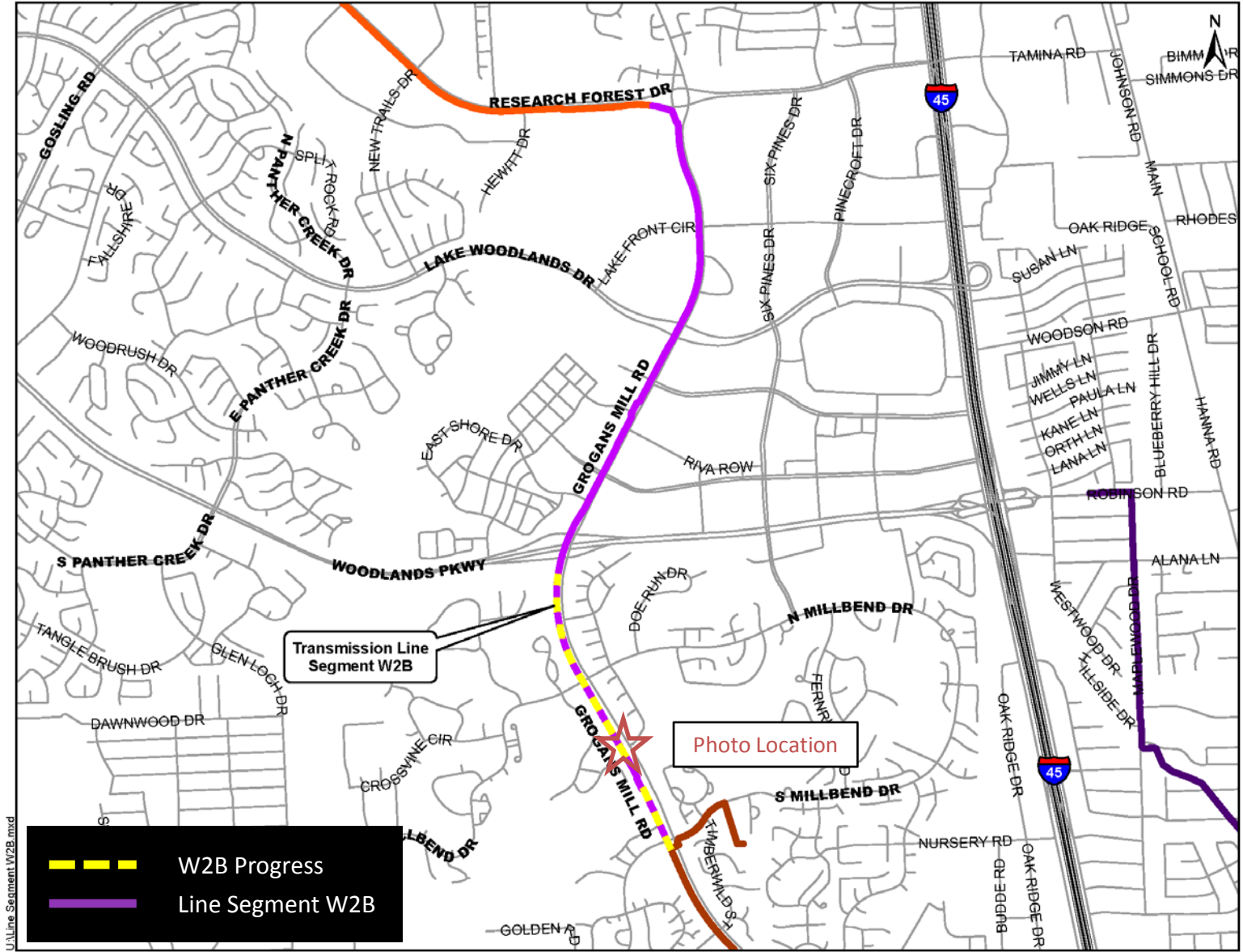
Concrete pavement replacement along Research Forest Drive near Kuykendahl Road



U:\Line Segment W2A.mxd



Concrete pavement placement at Research Forest Drive and Lakeside Boulevard



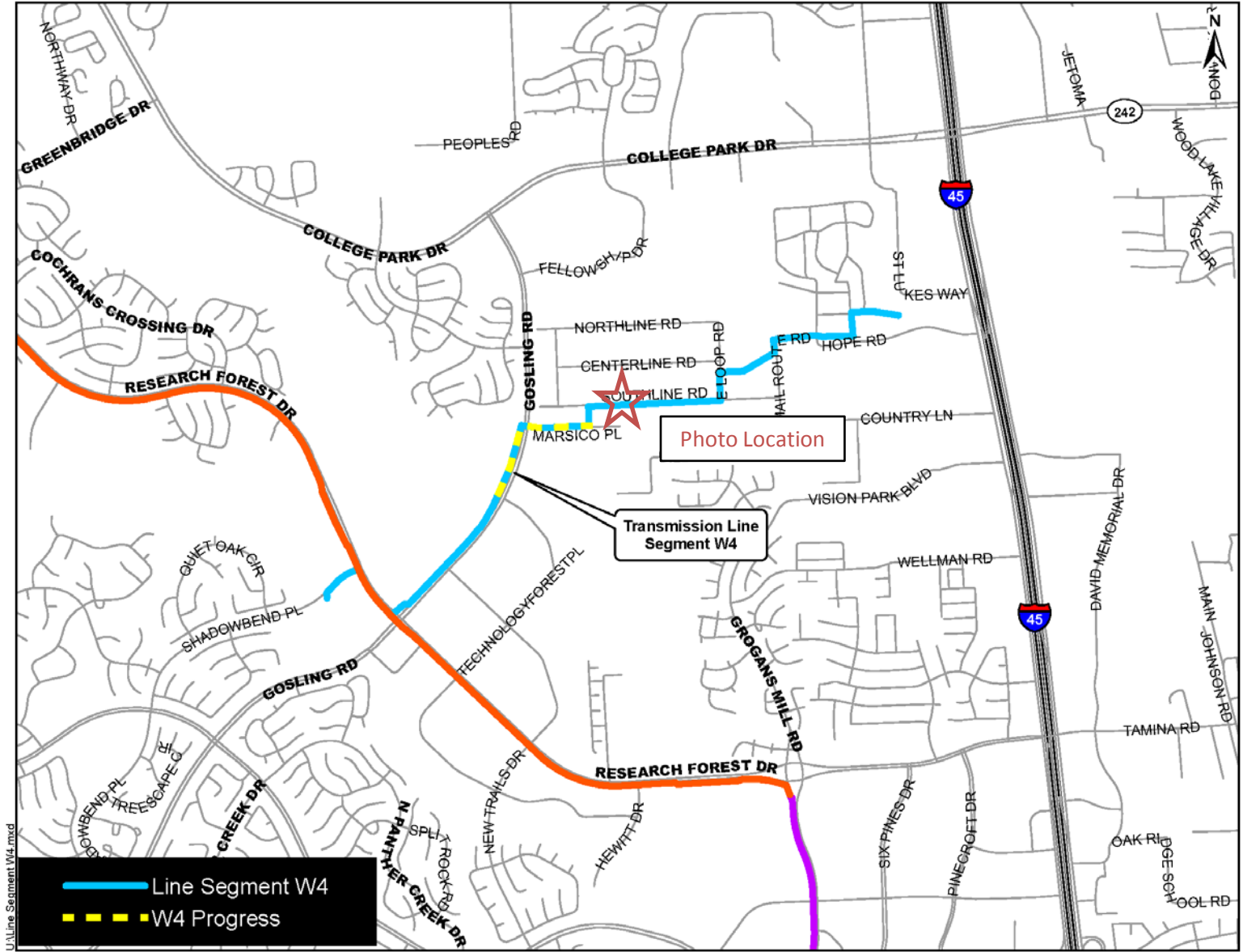
Transmission Line Segment W2B

Photo Location

W2B Progress
 Line Segment W2B



30 inch aerial pipe fabrication for Panther Branch crossing



LV\Line Segment W4.mxd

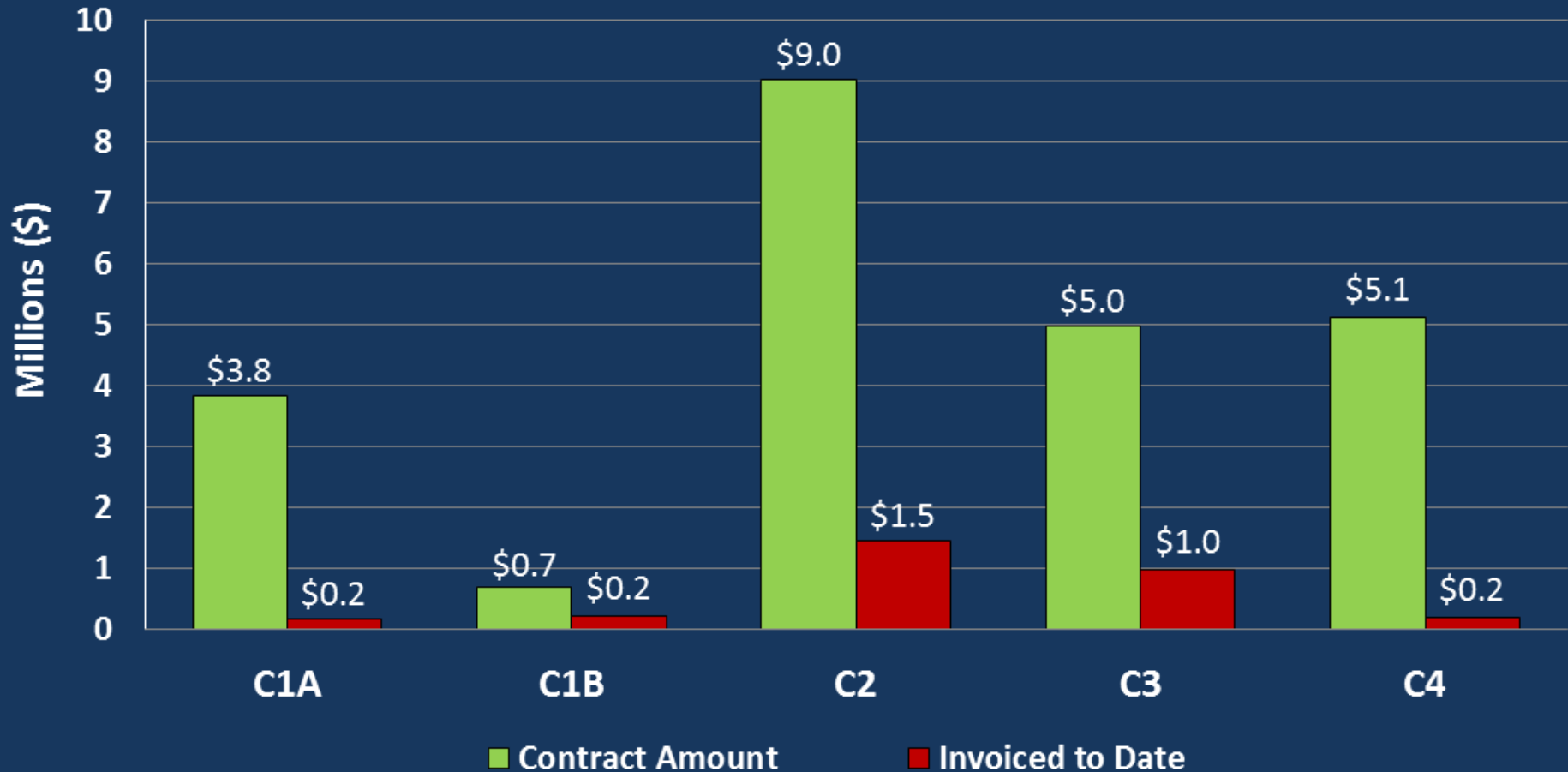
— Line Segment W4
- - - W4 Progress

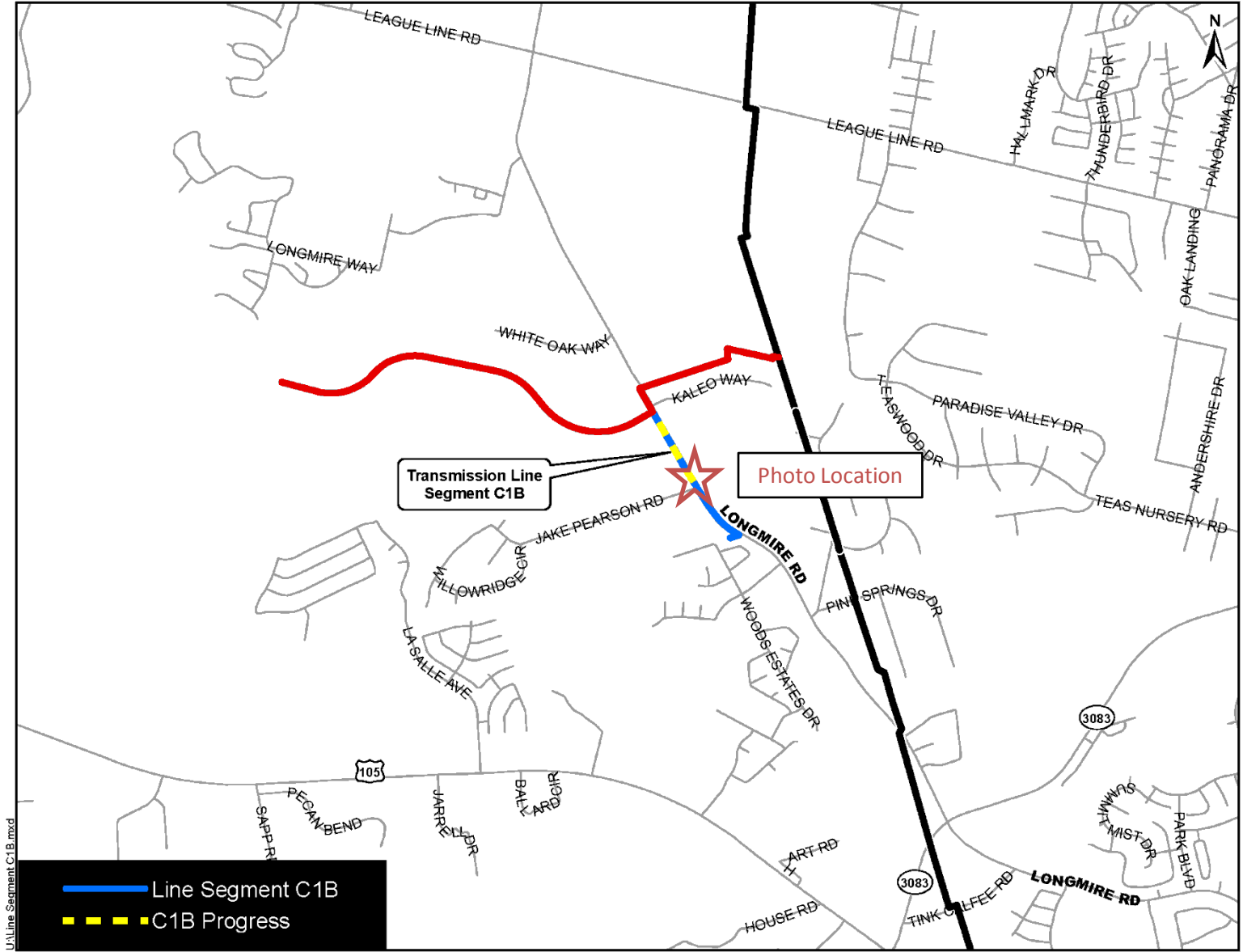


PVC pipe fusing operation along Southline Road

SURFACE WATER TRANSMISSION SYSTEM

"C" ROUTES - PROJECT DATA



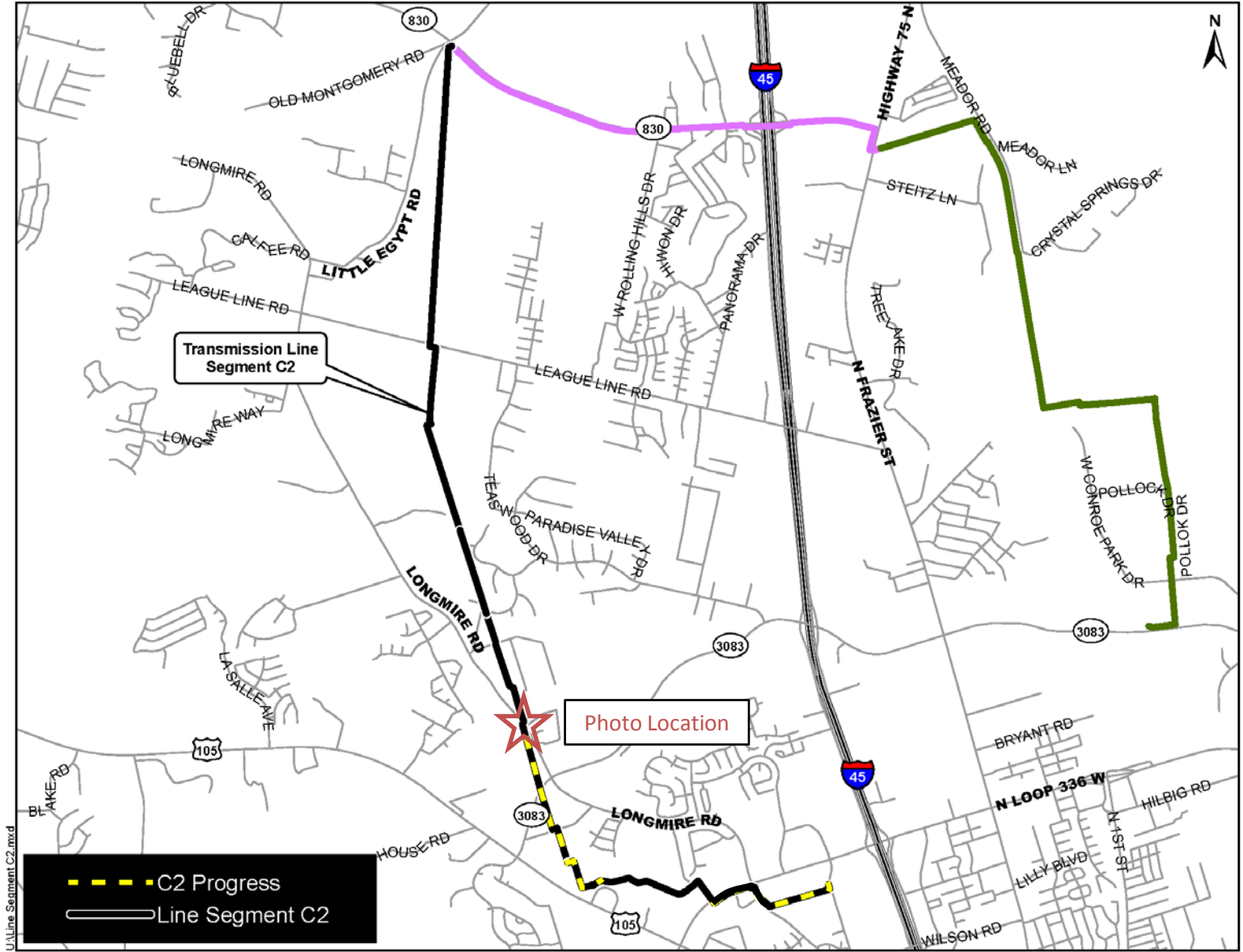


L:\Line Segment C1B.mxd

- Line Segment C1B
- - - C1B Progress



16 inch PVC pipe installation along Longmire Road



Transmission Line Segment C2

Photo Location

- - - - - C2 Progress
- Line Segment C2

U:\Line Segment C2.mxd



Tunnel operation for 16 inch pipe crossing Longmire Road



Transmission Line Segment C3

Photo Location

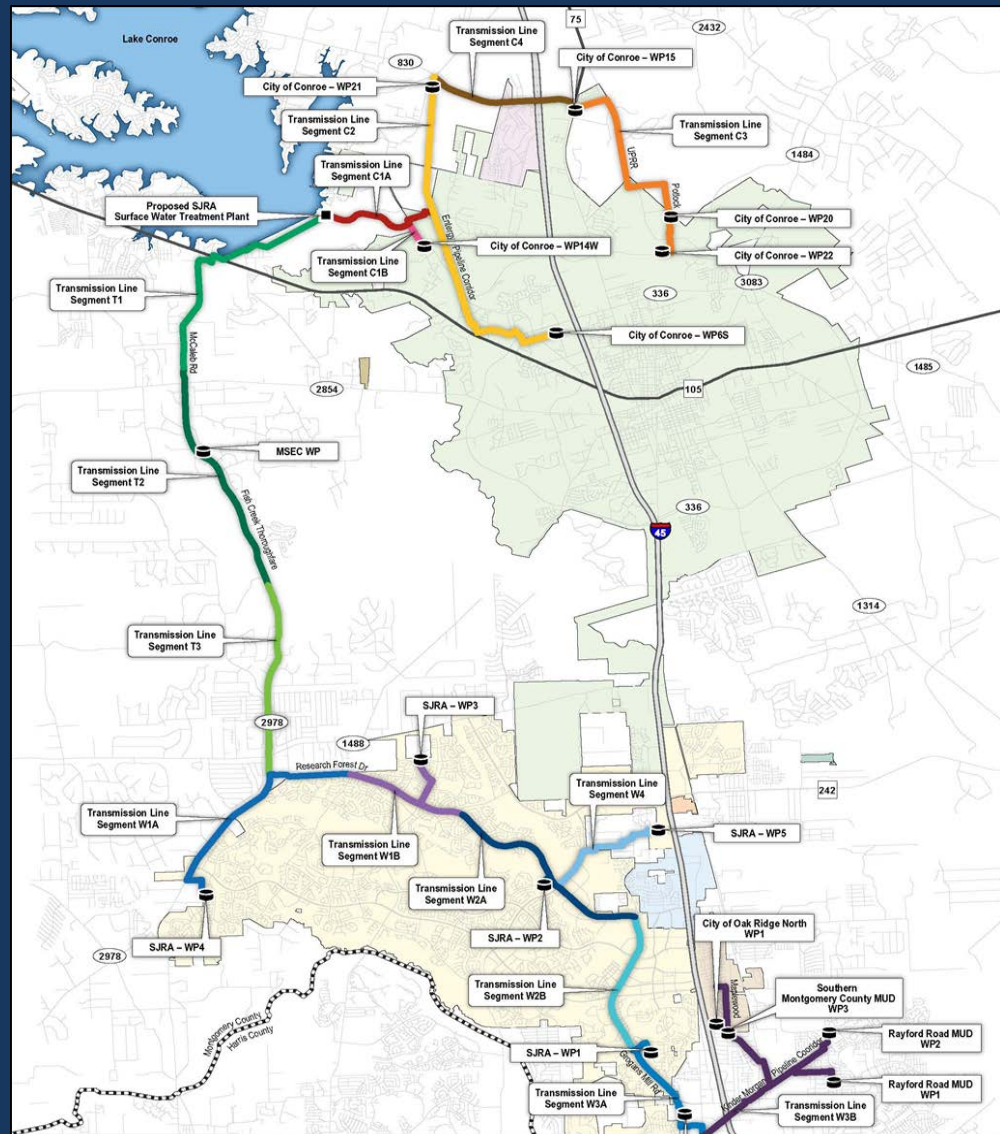
— Line Segment C3
- - - C3 Progress

L:\Line Segment C3.mxd

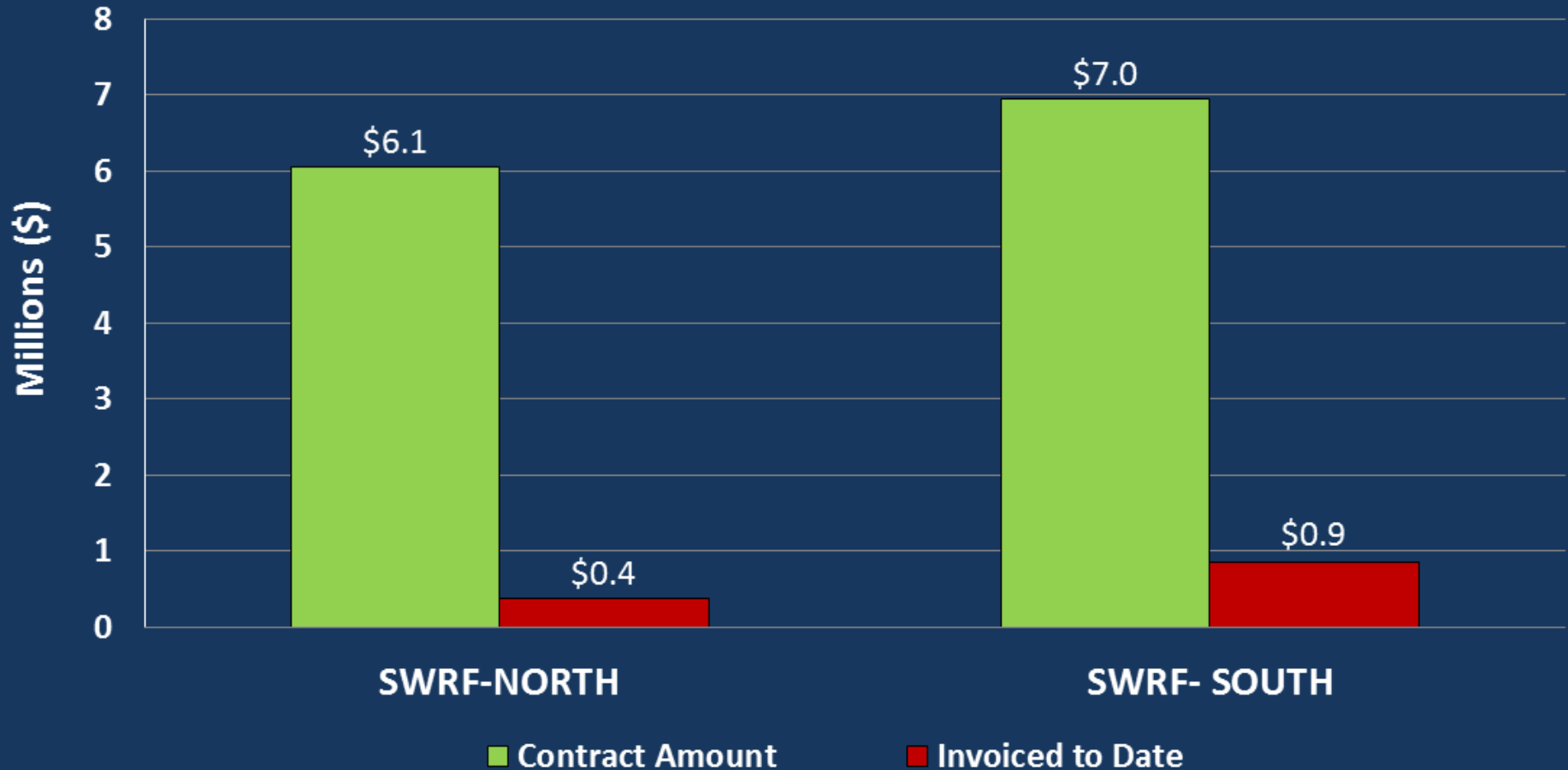


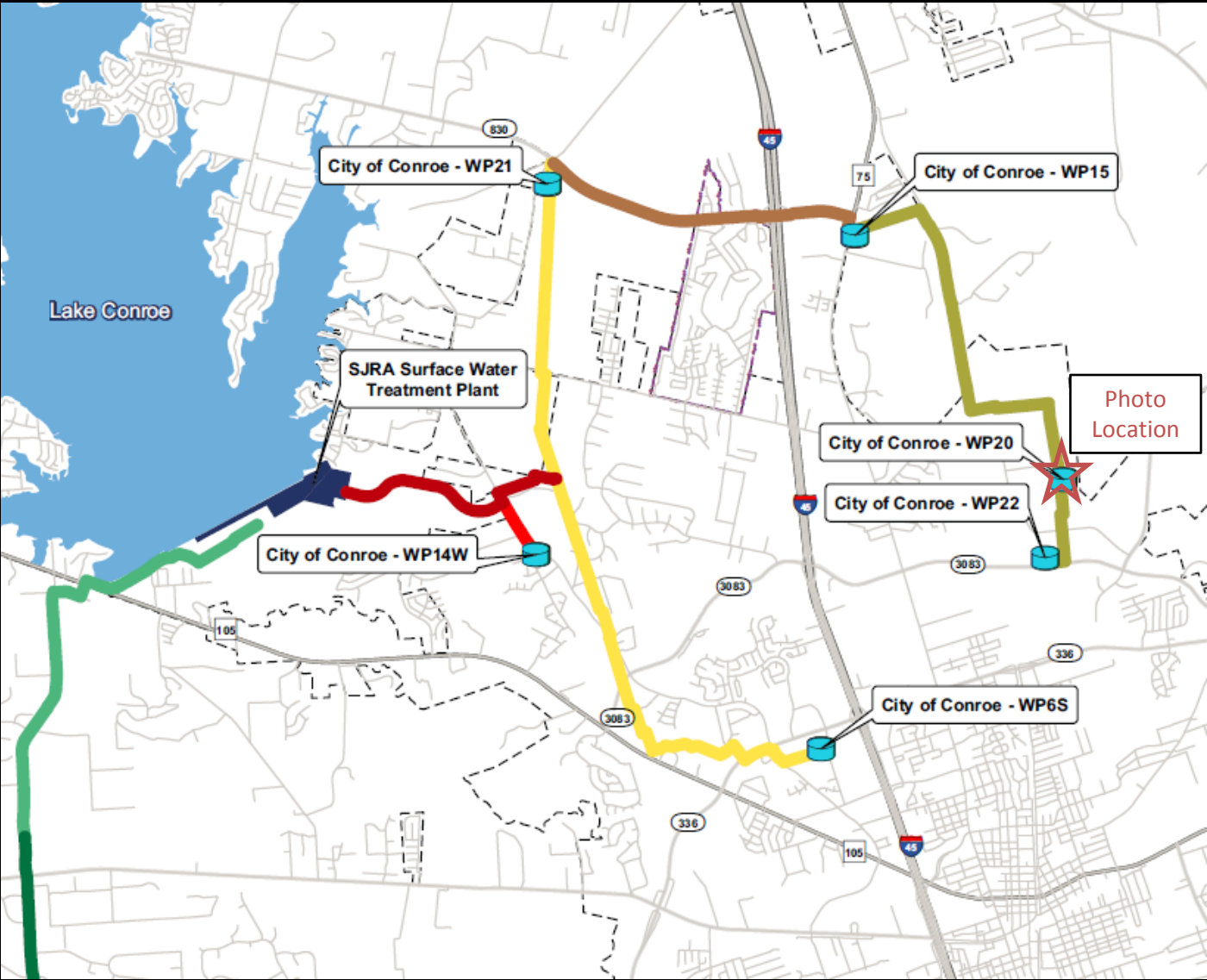
Fiber optic conduit installation at Tom Stinson Drive and Pollok Drive

SURFACE WATER RECEIVING FACILITIES CONSTRUCTION PROGRESS



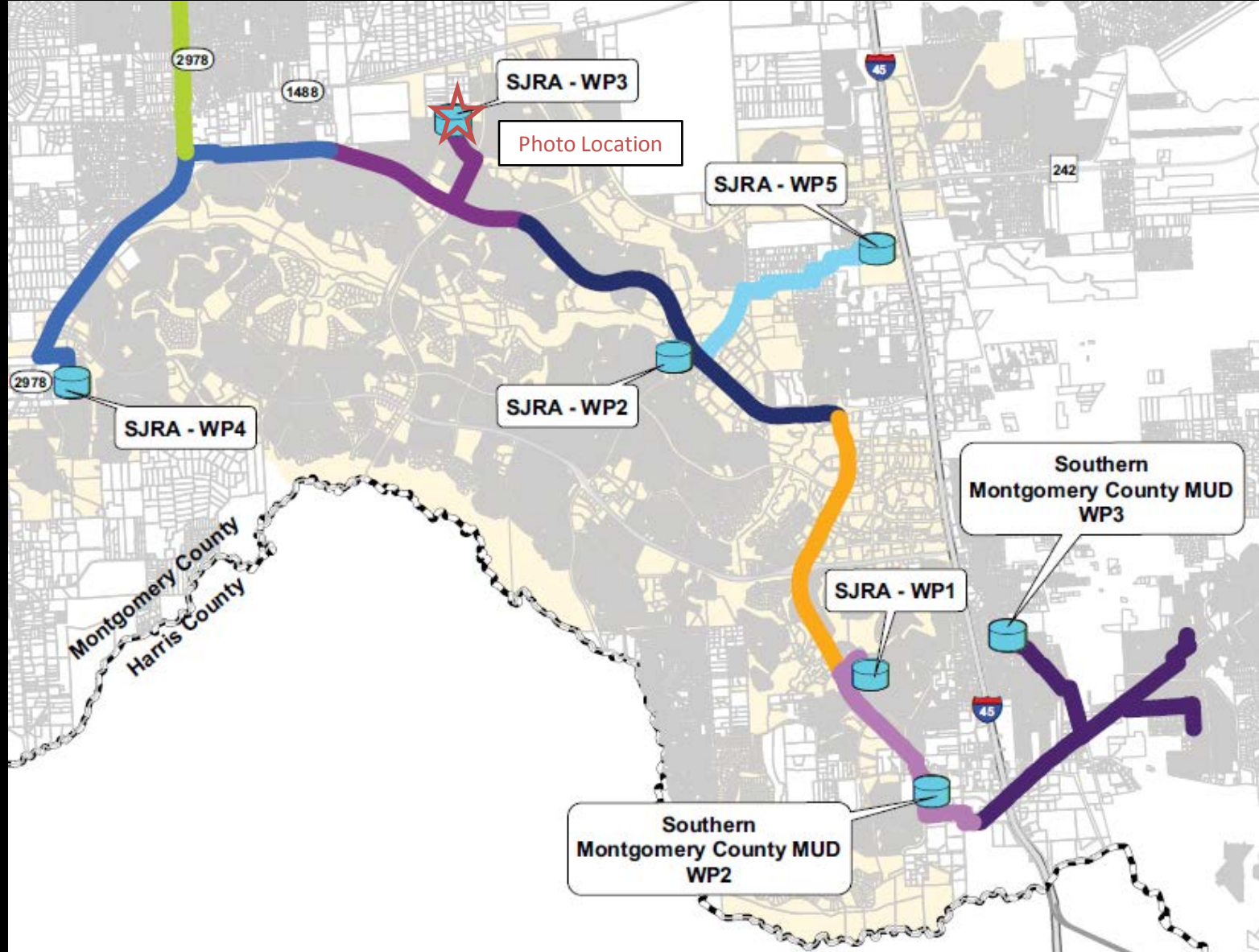
SURFACE WATER TRANSMISSION SYSTEM RECEIVING FACILITIES - PROJECT DATA







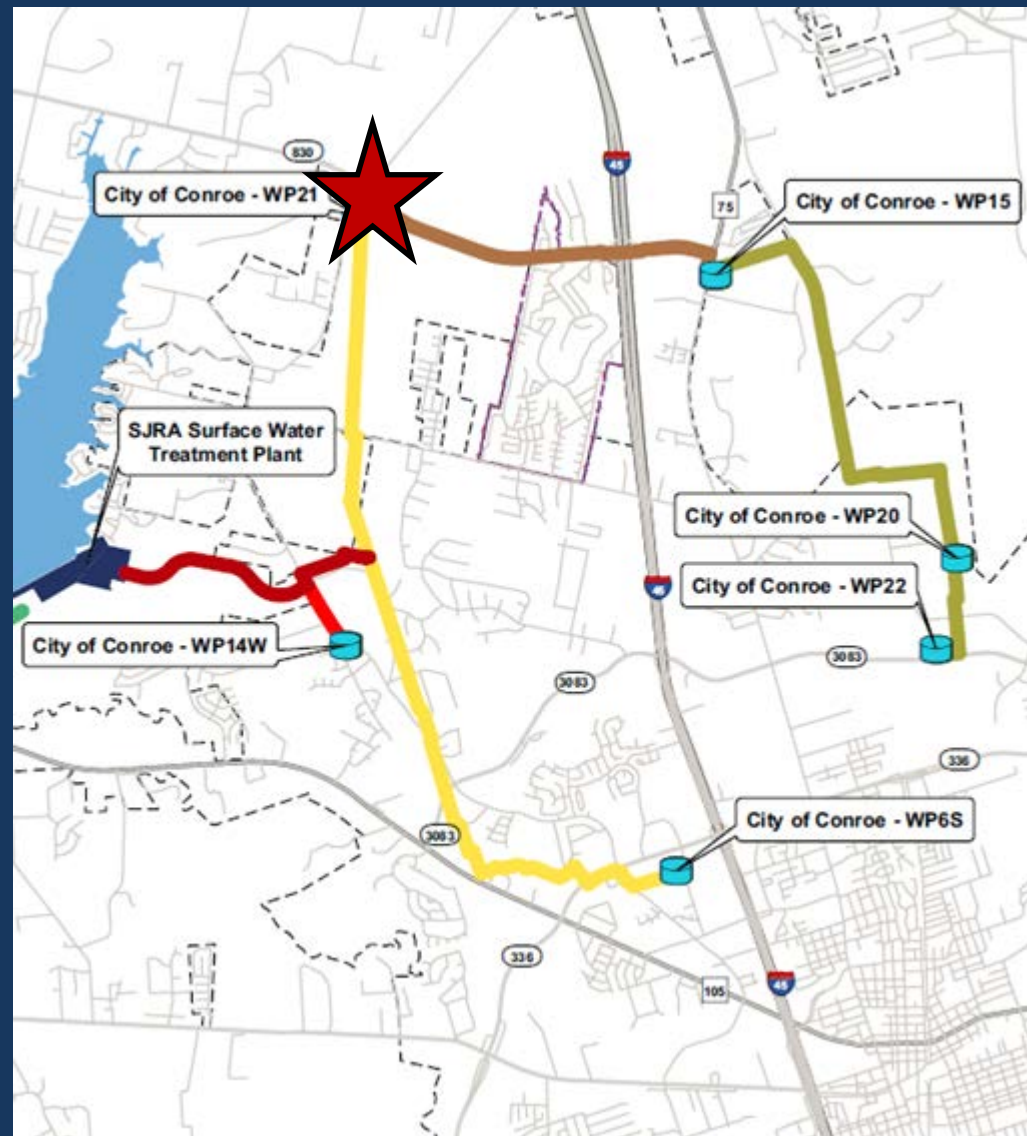
Yard piping installation at City of Conroe Water Plant No. 20



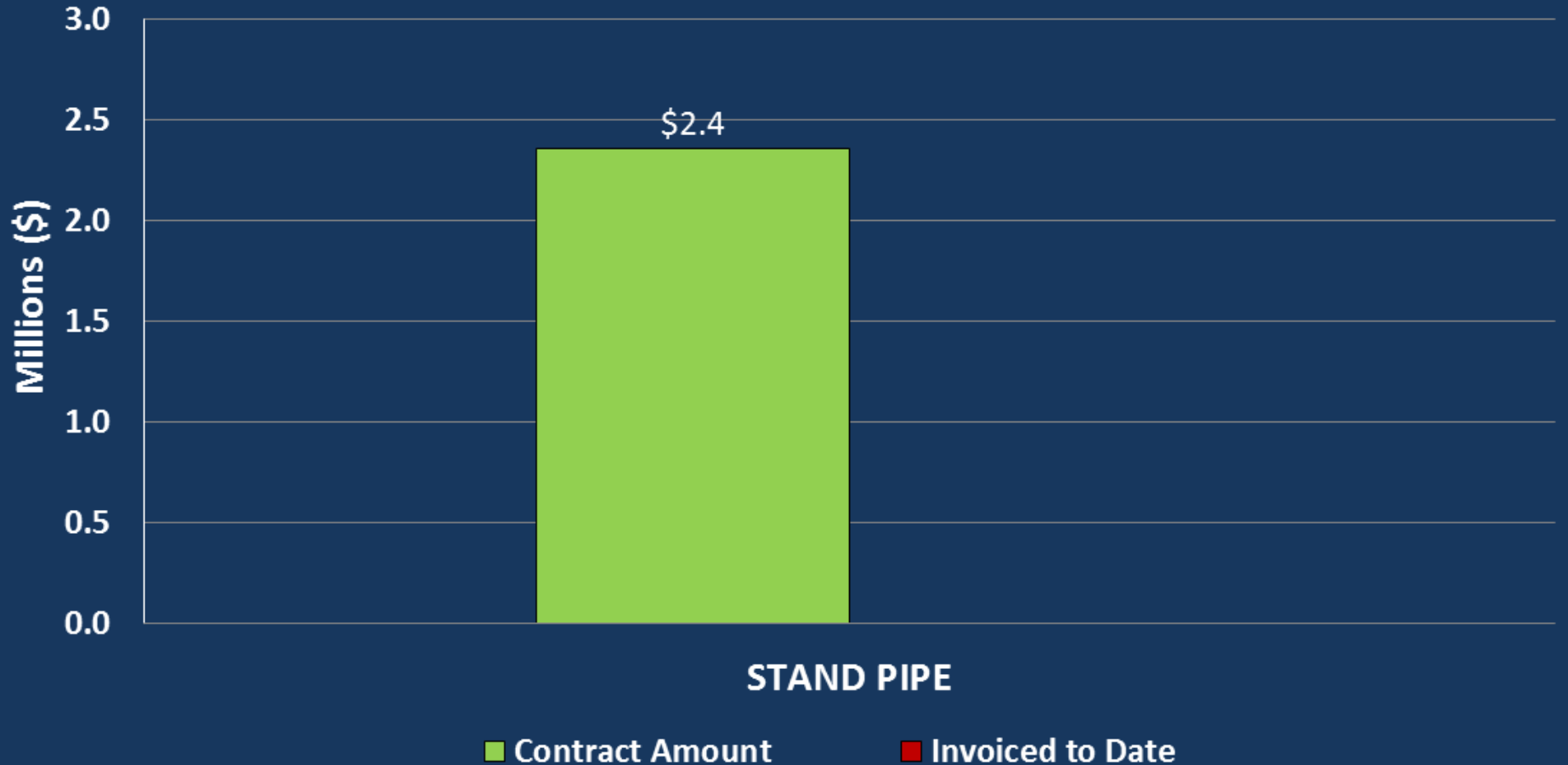


Yard piping installation at SJRA Water Plant No. 3

SURFACE WATER STANDPIPE CONSTRUCTION PROGRESS



SURFACE WATER TRANSMISSION SYSTEM STANDPIPE - PROJECT DATA





Cleared Standpipe site adjacent to Conroe WP 21

SURFACE WATER TRANSMISSION SYSTEM CONSTRUCTION PROGRESS

QUESTIONS?

