

# Potential Connection from L-8 Canal to West Leg of C-18 Canal and ITID Improvements



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WATER RESOURCES TASK FORCE MEETING  
AUGUST 20, 2026

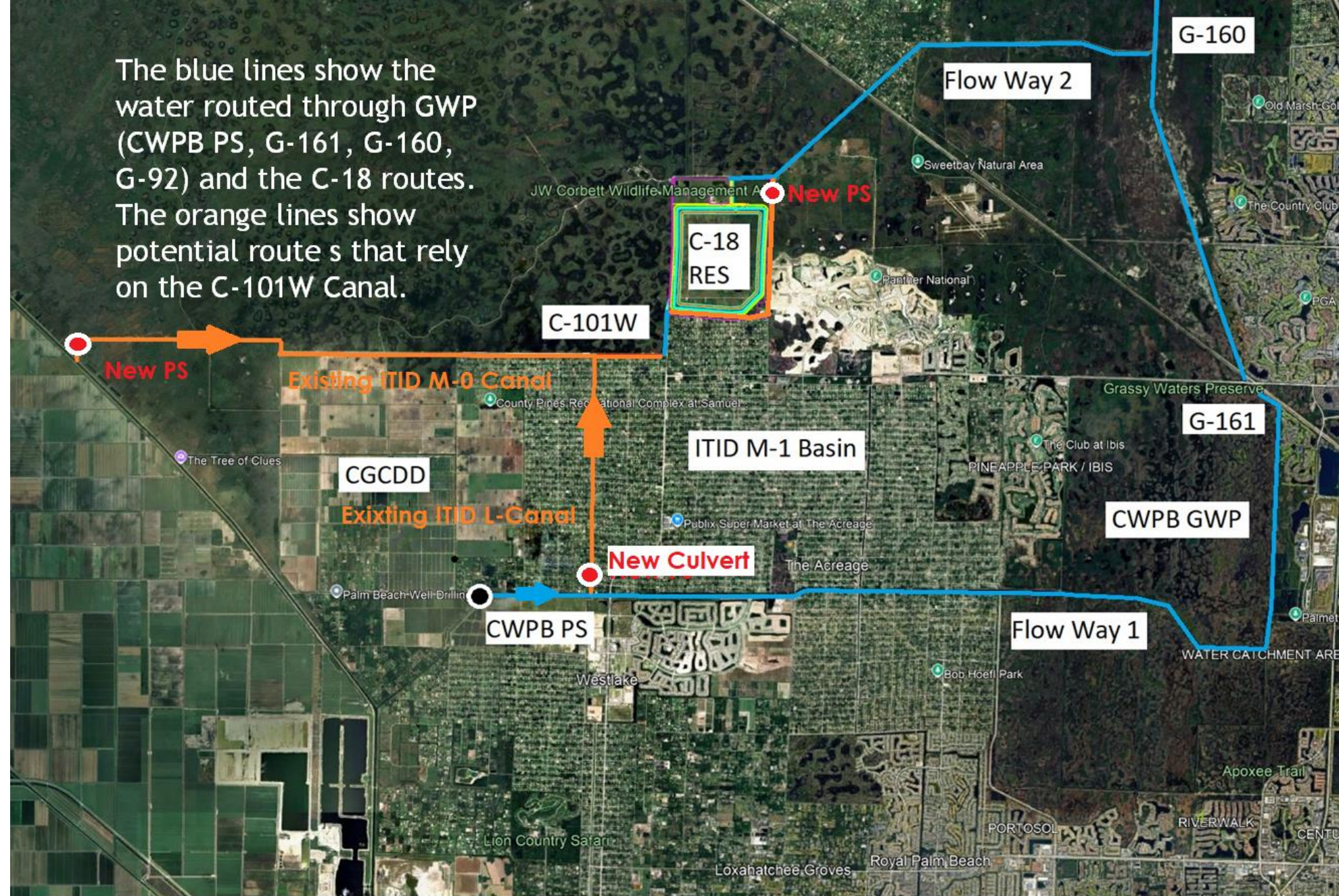
Paul Linton, PE, PBC Water Resources Manager

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Potential Water Routes from  
L-8 Canal to the West Leg of  
the C-18 Canal where it can  
subsequently flow to the  
Northwest Fork of the  
Loxahatchee River (NWFLR)

Figure shows two potential routes from L-8 Canal to C-18 Canal.

The CWPB route would use the CWPB existing pump stations.



Previous work determined that the only economically feasible route from ITID to the PBC Land is through the CERP LRWPR C-101W Canal.

The C-101W/L-101W will be located along the west side of Seminole Pratt & Whitney Road and connect the C-18 Reservoir to ITID M-0 Canal.

# Based on 2026 Integrated Delivery Schedule

- Design of the reservoir and associated canal will occur through the first half of 2029.
- Construction scheduled to start in the second half of 2029 and complete in the first half of 2033.
- Construction of the canal connecting ITID to PBC lands (C-101W/L-101W) could begin earlier if the design is prioritized by SFWMD

# Changes

Several changes are required to allow two-way flow from the L-8 Canal to the East End of ITID M-0 Canal where the CERP LRWRP can access it.

For example, ITID 640-Acre expansion of their impoundment would have considerable flood risk reduction benefits.

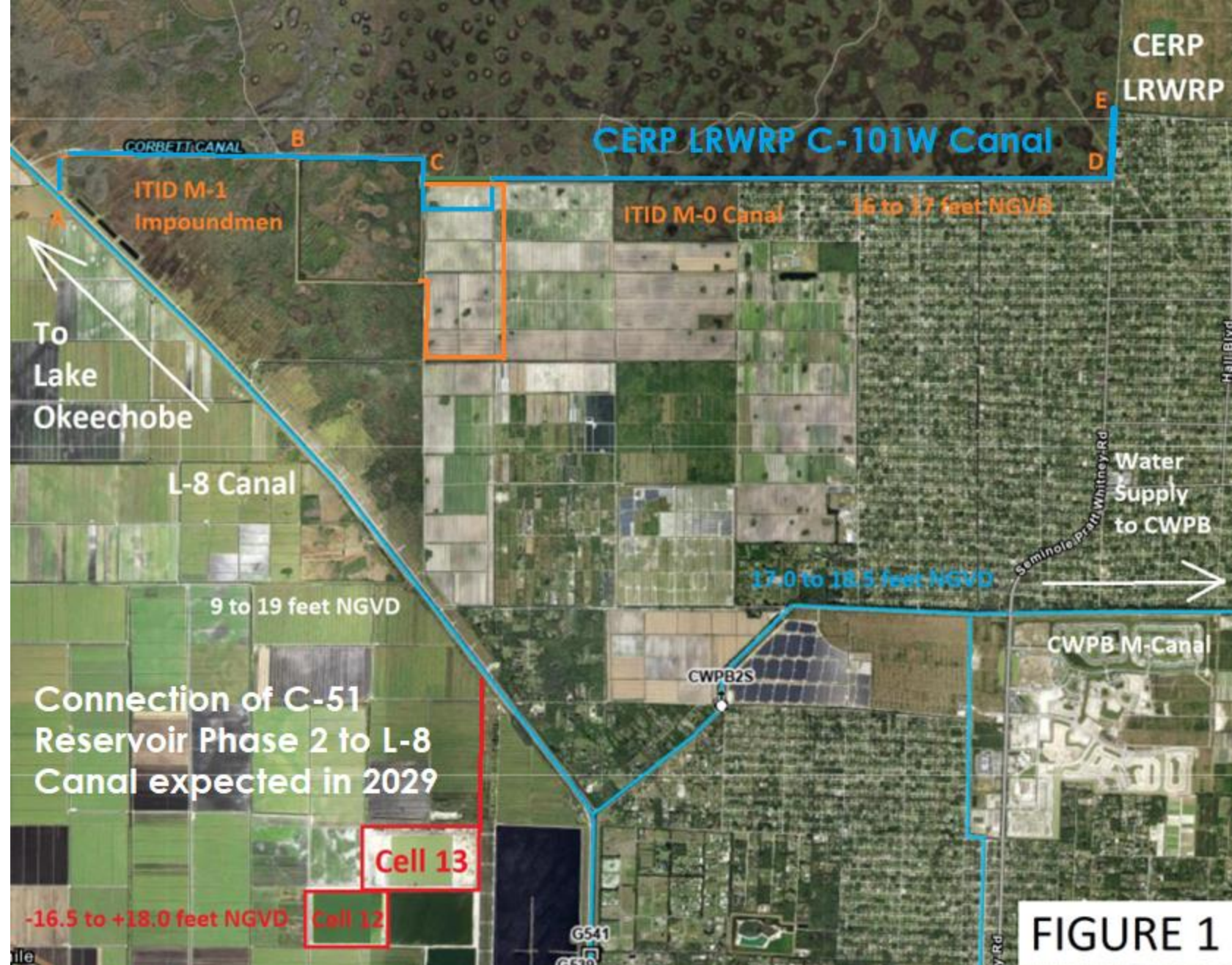


FIGURE 1

Conveying water will require the use of the following existing and new features:

**New Pump Station** – to lift water from L-8 Canal into ITID M-1 Impoundment discharge canal.

**Existing ITID Weir** – to separate ITID M-0 Canal from the L-8 Canal (requires strengthening)

**Existing ITID M-1 Impoundment Discharge Canal** – for conveyance (may require embankment improvements)

(List Continued)

Existing ITID M-1 Impoundment – for conveyance.

Proposed ITID 640-Acre Impoundment Expansion – for connection to ITID M-0 Canal.

Existing ITID M-0 Collection Canal – for conveyance (east reach will require lowering of the riprap to achieve 50 cfs of flow)

(List Continued)

CERP LRWRP C-101W Canal – for conveyance from ITID M-0 Canal to the Meca Farms Parcel.

BEFORE COMPLETION OF LRWRP RESERVOIR

Portion of CERP LRWRP Seepage Collection Canal – for conveyance to existing PBC diesel Pump Station (PBC PS).

Existing PBC PS – to lift water into existing above ground reservoir for gravity flow into C-18 Canal.

(List Continued)

## DURING CONSTRUCTION OF RESERVOIR

Water will be pumped by either the existing diesel pump station (two 50 cfs units) or the full 20 cfs capacity of PBC permanent pump station

## AFTER COMPLETION OF LRWRP RESERVOIR

Conveyance will be provided by CERP LRWRP Reservoir Pump Station.



ITID Step Down Weir  
Pump Station to lift water  
from L-8 Canal into ITID  
Discharge Canal

The map shows a large, irregularly shaped area outlined in blue, representing the ITID project. A diagonal canal runs from the bottom left towards the top right. A small red circle with a white center marks a specific point on the canal. To the right of the main blue-outlined area is a rectangular area outlined in orange, representing the 640-acre impoundment expansion. The surrounding landscape is a mix of green agricultural fields and brown, textured areas that appear to be wetlands or marshes. A small purple location pin is visible near the bottom center of the map.

ITID Existing  
720-Acre  
Impoundment

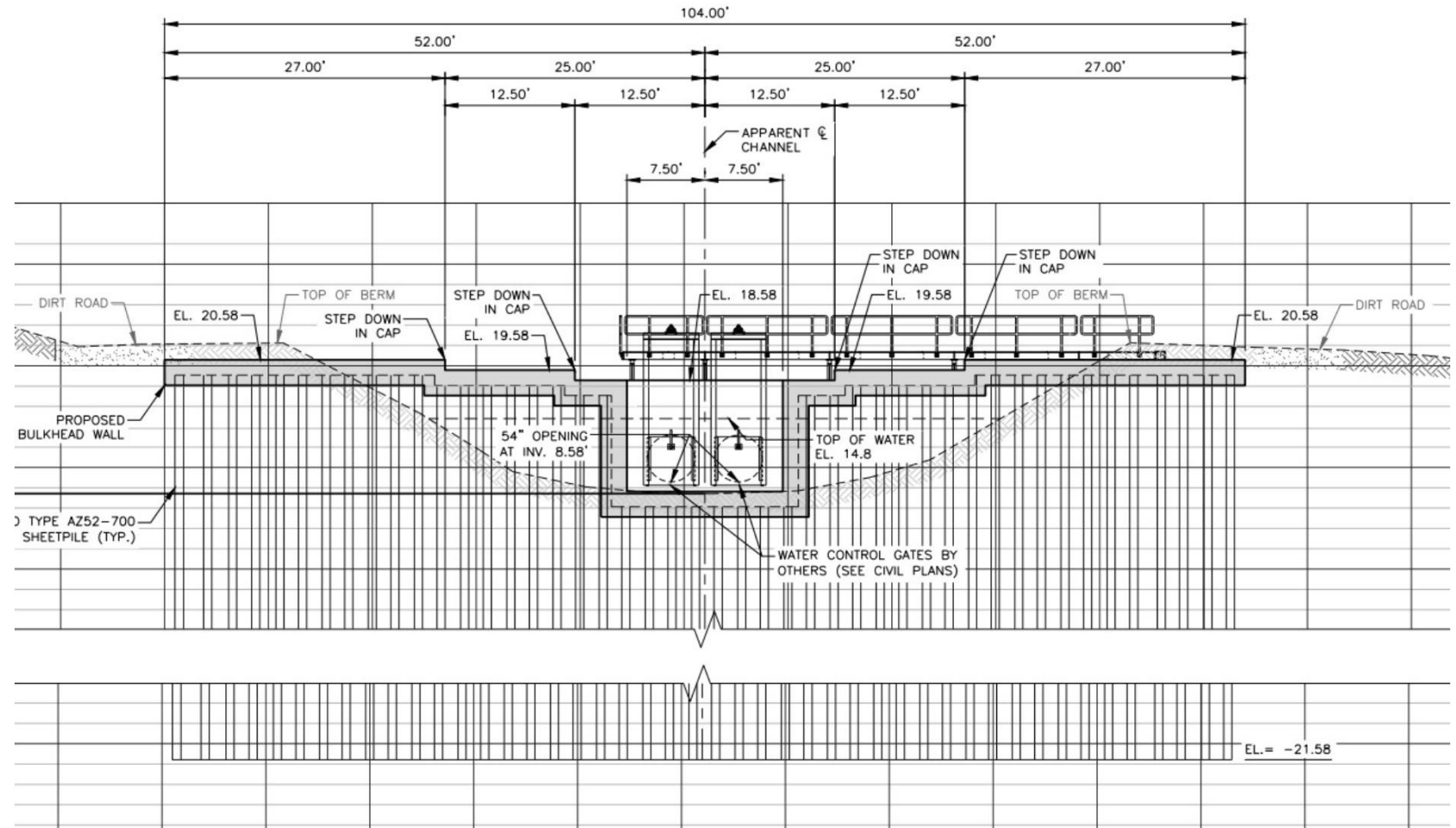
Conveyance through  
ITID existing  
impoundment and  
expansion.

640-Acre  
Impoundment  
Expansion

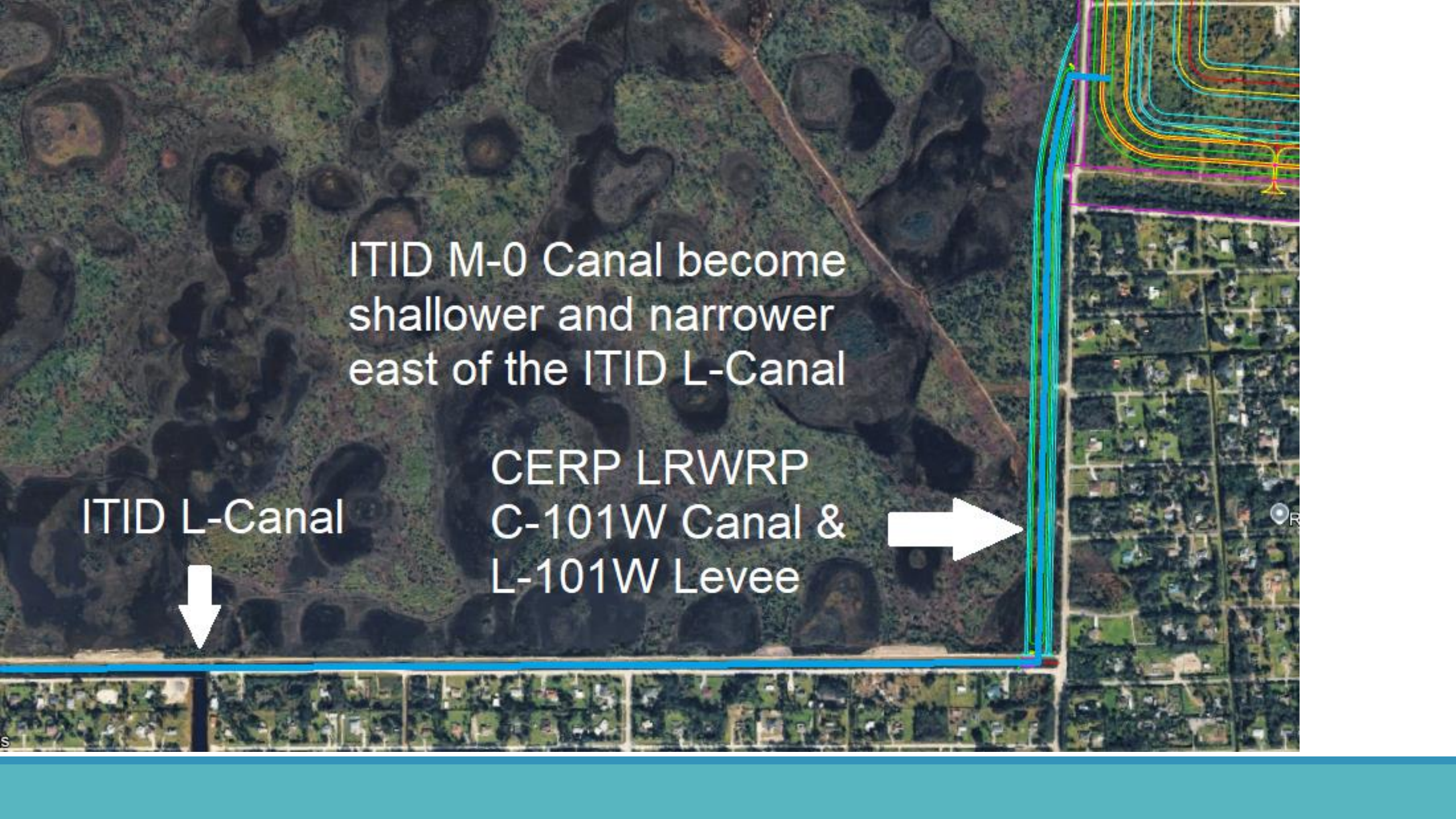
The Tree of Clues

# ITID Step Down Weir

Designed and constructed to reduce the water pressure across the Corbett Levee (~\$2,000,000)



Step Down Weir was designed for a maximum stage difference of 5.5 feet. To provide water supply and restoration operation flexibility the structure will need to be reinforced to accommodate a stage of 18.0 feet NAVD in the M-0 Canal with a Stage of 9 feet NAVD in the L-Canal (difference of 9 feet).



ITID M-0 Canal become shallower and narrower east of the ITID L-Canal

ITID L-Canal

CERP LRWRP  
C-101W Canal &  
L-101W Levee

# Mecca Farms Parcel

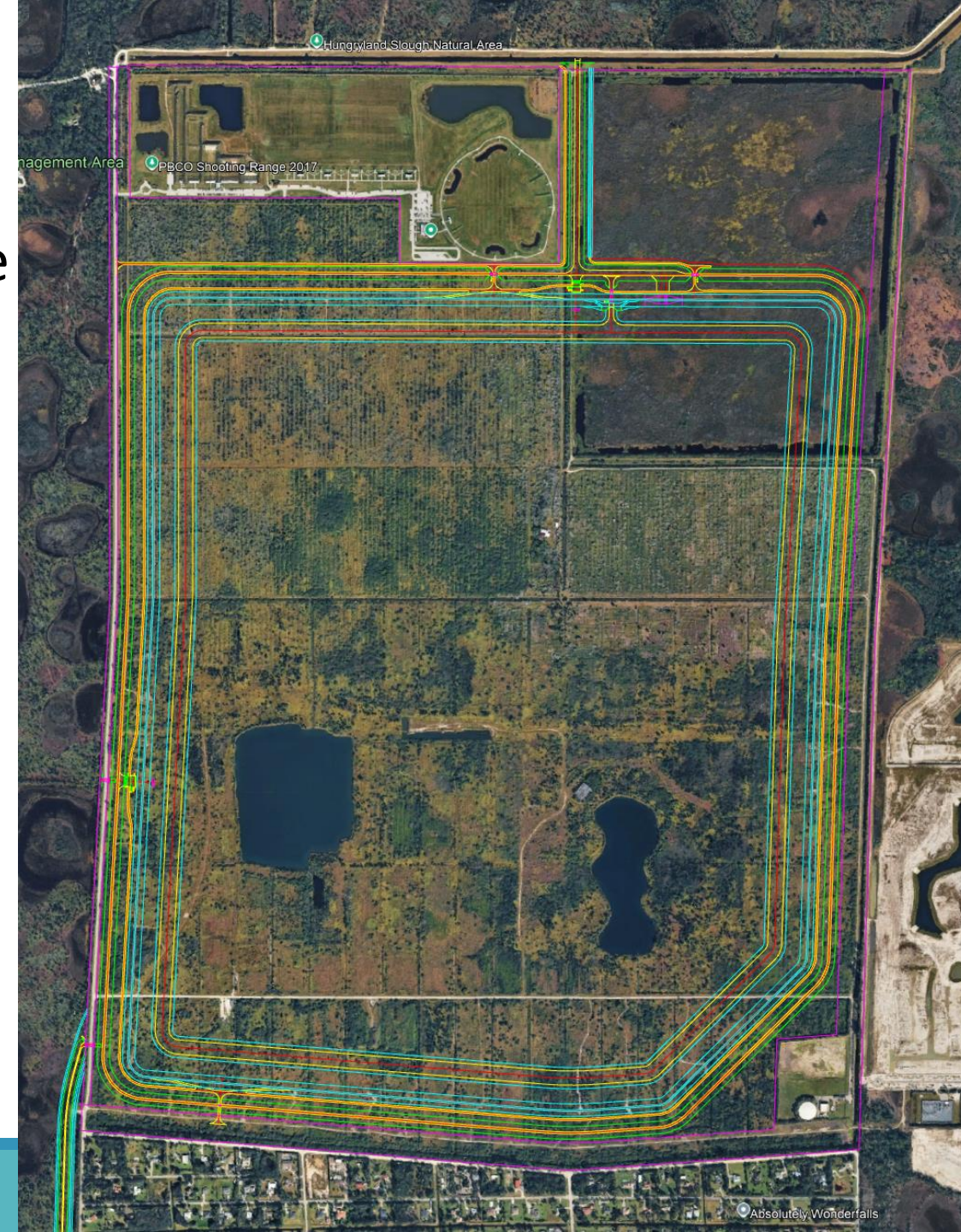
PBC owns land along the south and east side of the Mecca Farms Parcel. Unfortunately, the existing and currently expected uses listed below do not leave enough room for a canal deep enough to convey water from ITID

## EXISTING

- Water pipeline located in the east parcel.
- Sewer pipeline located in the east parcel.
- FPL easement of 75 feet in south parcel

## FUTURE

- Four lane divided highway
- Road drainage and water quality features



# Mecca Farms Parcel

## EXISTING DRAINAGE

PBC currently provides drainage to the entire Mecca Farms parcel using existing diesel (farm) pumps.

## FUTURE DRAINAGE

Construction of the reservoir will require that PBC provide a separate drainage system for PBC Lands which will include a 10 cfs pump station with backup power and pump redundancy.



# Mecca Farms Parcel Options

## PBC LANDS

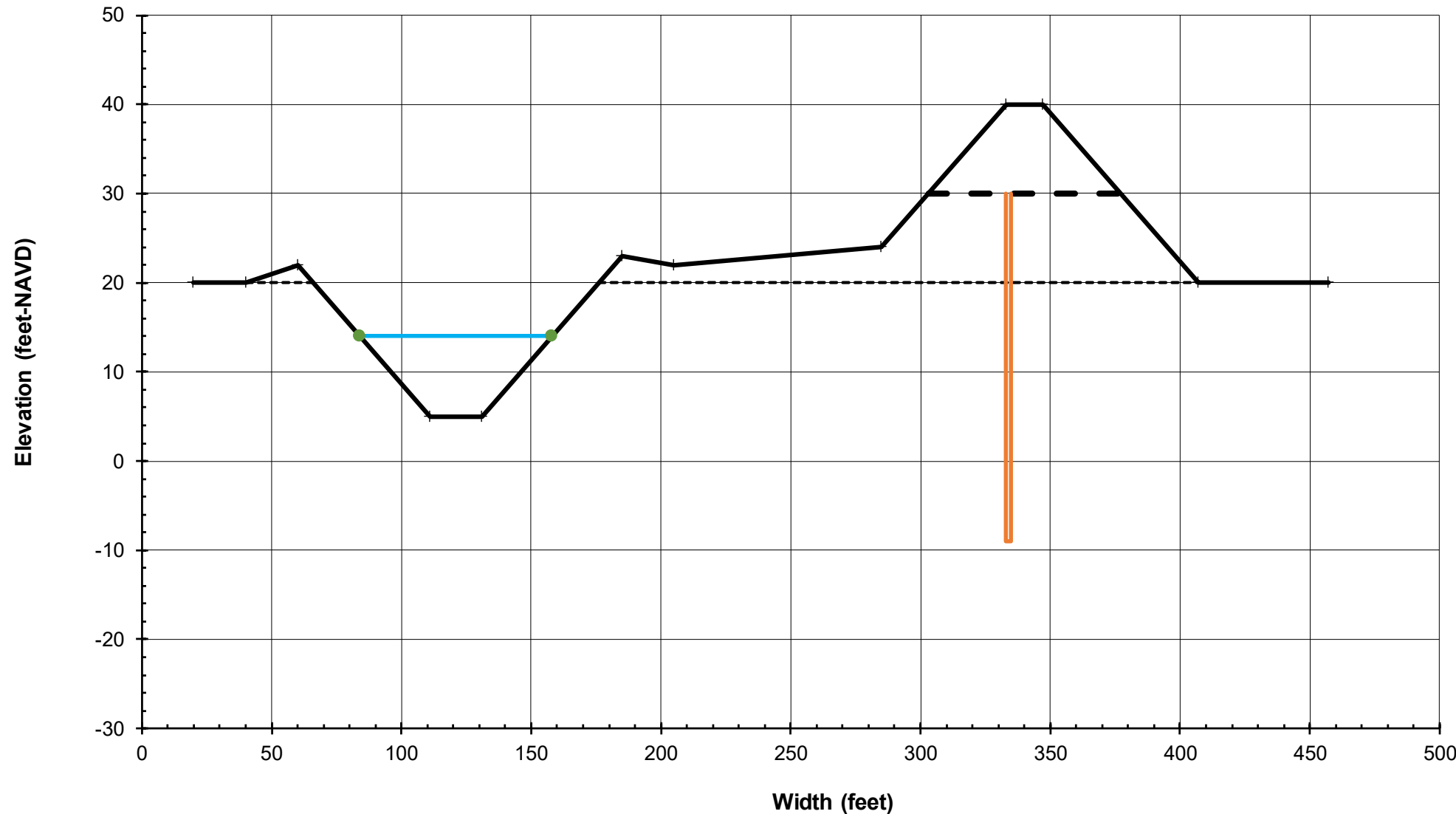
A deep large diameter pipe (e.g. 84 inches) or box culvert (10 feet by 6 feet) would be required. Cost of installed. Cost of 3.5 miles of culverts be on the order of \$15,000,000 to \$30,000,000 and would only an interim use.

## RESERVOIRS SEEPAGE COLLECTION CANAL

Construction of a portion of the reservoir embankment and the associated seepage collection canal could provide a conveyance route to PBC existing pump station.



Cross Section of Reservoir showing the level at which construction is stopped to install the seepage barrier required for high hazard dams



**FIGURE 1**  
Cross Section of C-18 Reservoir Showing Installation Elevation of Seepage Barrier

# Thank You

## Questions/Discussion



Photo: Katelyn Cucinotta