

Quarterly Communications Meeting on the Long-Term Plan for Achieving Water Quality Goals for the Everglades Protection Area Tributary Basins

L-8 Flow Equalization Basin

March 2016

Alan Shirkey, P.E.
Section Administrator
Project Management

G-538 Inflow Gate Station

All Cells: +12.3' NAVD

G-539 Pump Station





Design/Build Schedule

- **Governing Board Approval** Completed
- **NTP** Completed
- **Preliminary Design (Revetment)** Completed
- **Preliminary Design (Pump and Inflow)** Completed
- **Final Design (Revetment)** Completed
- **Final Design (Pump and Inflow)** Completed
- **Revetment Construction –** Completed
- **Substantial Completion** April 18, 2015
- **Final Completion** October 15, 2015

Milestones

Milestone	Compliance date	Status
Submit state and federal permits	1/31/2014	Complete
Construction status report	3/1/2014	Complete
Construction status report	3/1/2015	Complete
Completion of construction	12/31/2016	Pending
Long term operations	12/31/2022	Pending

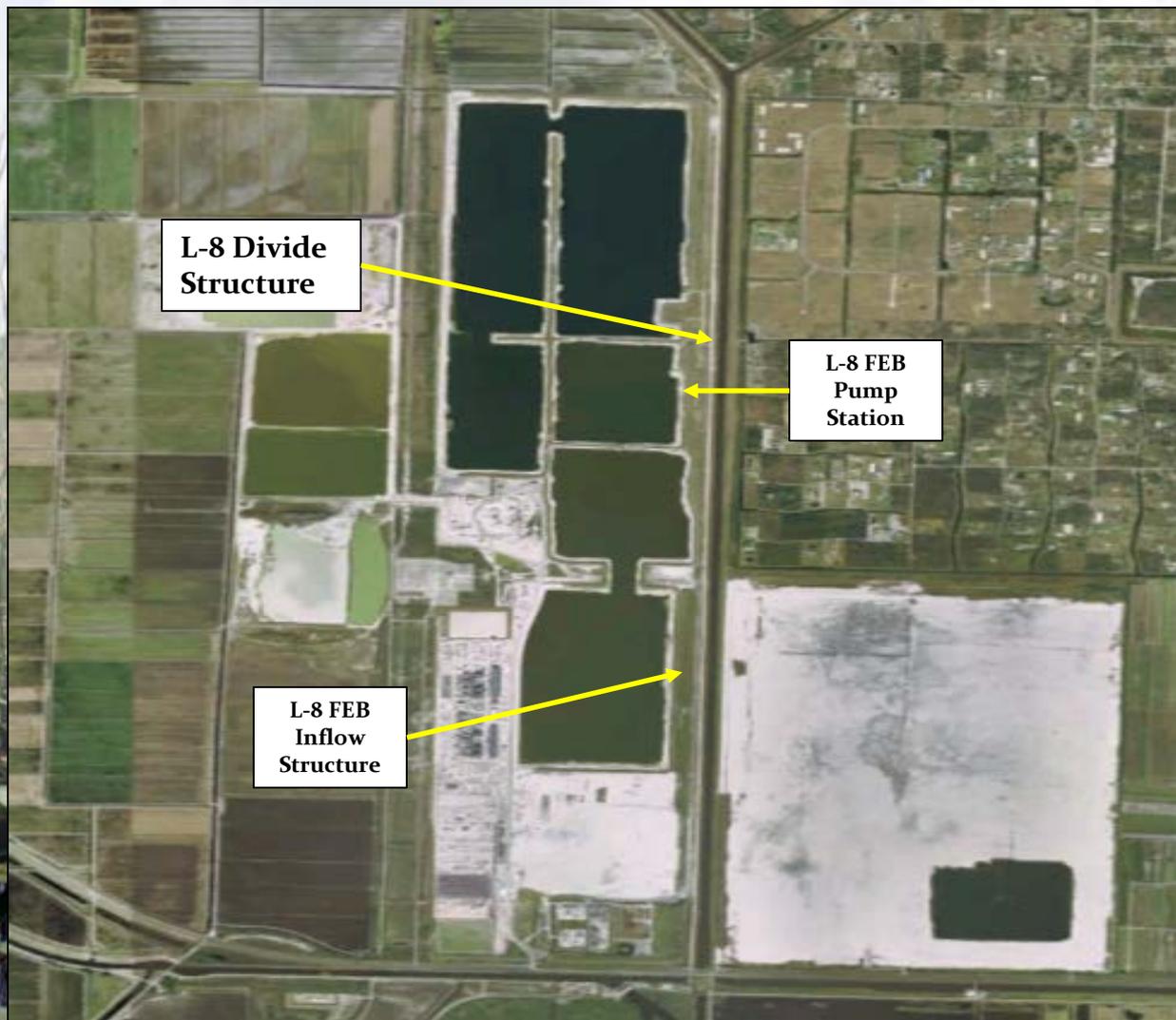
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G-541/L-8 Divide Structure

March 2016

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G-541/L-8 Divide Structure,



L-8 Divide Structure

L-8 FEB Pump Station

L-8 FEB Inflow Structure

L-8 Divide Structure, G-541

L-8 Divide Structure
G-541

North

L-8 Divide Structure

- Design: Completed
- Construction Schedule:
 - Notice to Proceed: October 15, 2014
 - Project Substantial Completion: ~~February 7, 2016~~ April 7, 2016
 - Project Final Completion: ~~April 7, 2016~~ May 29, 2016
- Construction activities:
 - Bypass Channel – Backfilled, canal plugs are breached
 - Slab and Walls – Completed
 - Service Bridge Pour – Completed
 - Control Building – Placed
 - Gate Installation – Pending

Milestones

Milestone	Compliance date	Status
Initiate design	10/1/2012	Complete
Complete design	9/30/2014	Complete
Initiate construction	10/1/2016	Complete
Complete construction	9/30/2018	Pending

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S-5AS Divide Structure

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S-5AS Divide Structure



S-5AS Divide Structure



S-5AS Divide Structure



S-5AS Divide Structure



S-5AS Divide Structure

•Design and Construction Schedule:

- Comprehensive Fluid Dynamic Model: Complete
- Structure Stability Review: Complete
- Preliminary design due: Complete
- Final design package due: Complete
- Project out for Bid: Complete
- Governing Board Approval : Complete
- Notice to Proceed : Complete
- Project Substantial Completion : Feb 28, 2016
- Project Final Acceptance: April 28, 2016

S-5AS Divide Structure Milestones

Milestone	Compliance date	Status
Initiate design	10/1/2012	Complete
Complete design	9/30/14	Complete
Initiate construction	10/1/14	Complete
Complete construction	9/30/16	Pending

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G-716 Structure

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G-716 Structure



Imagery Date: Nov 23, 2010

2011 Palm Beach County Aerial Photography
26°41'15.91" N 80°20'58.74" W elev 20 ft

Eye alt 20450 ft

G-716 Structure



G-716 Structure



G-716 Structure

•Design and Construction Schedule:

- Structure Type Evaluation: Complete
- Structure Flow Calculations : Complete
- Preliminary design due: Complete
- Final design package due: Complete
- Project out for Bid: Complete
- Governing Board Approval: Complete
- Notice to Proceed: December 14, 2015
- Project Substantial Completion: April 7, 2017
- Project Final Acceptance: June 6, 2017

G-716 Structure

Milestone	Compliance date	Status
Initiate design	9/30/2013	Complete
Complete design	7/30/2015	Complete
Initiate construction	1/31/2016	Complete
Complete construction	12/31/2018	Pending

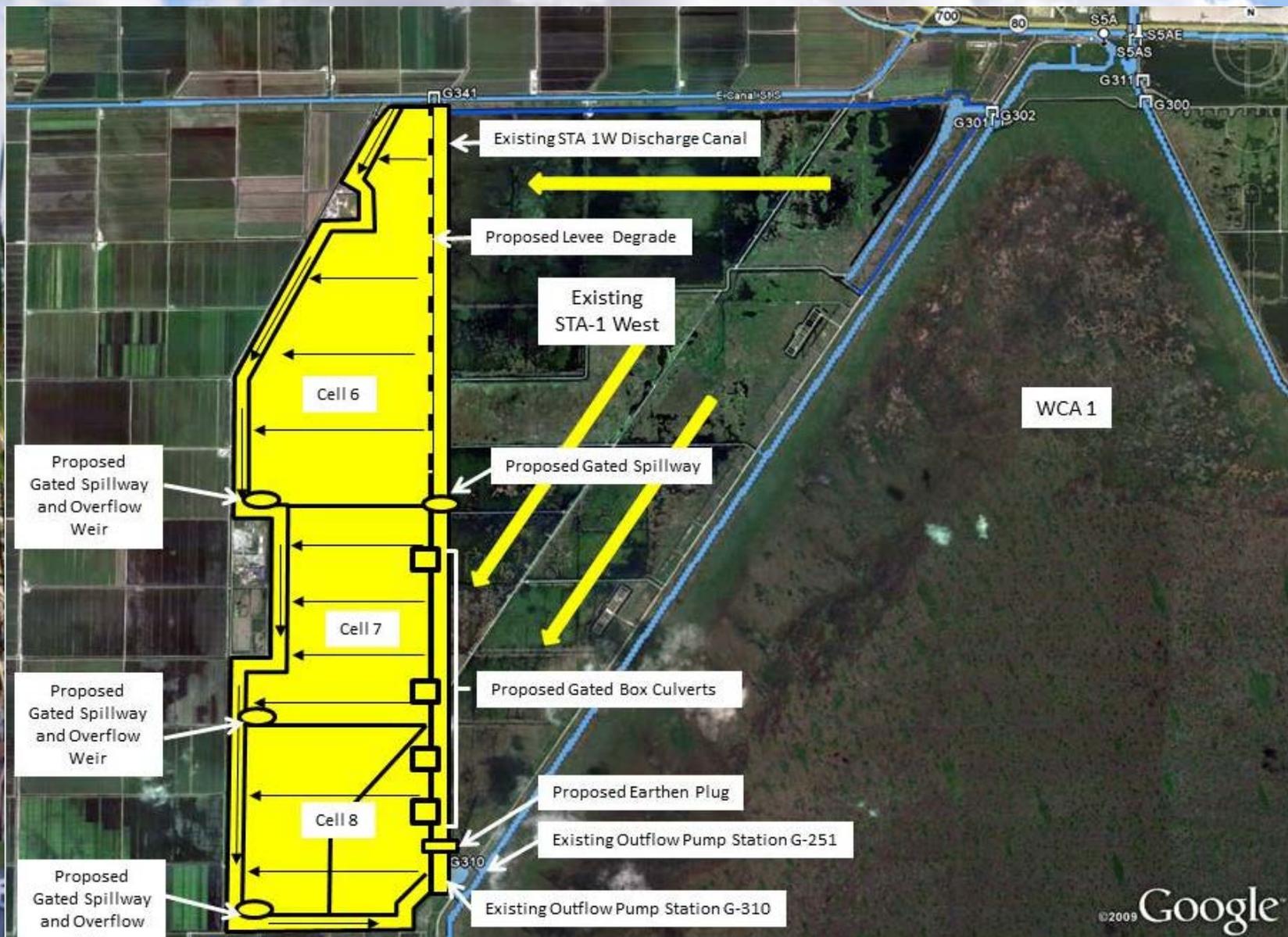
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STA 1W Expansion #1

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STA 1W Expansion #1 – Location Map



STA 1W Expansion #1 Progress Pictures



Turbidity Control at Discharge Canal



New Spreader Canal De-mucking

STA 1W Expansion #1

- Design and Construction Schedule:
 - Hydraulic Study – Complete
 - Preliminary Design Plan Set – Complete
 - Preliminary Design Full Submittal – Complete
 - Intermediate Design Submittal – Complete
 - Final Design Submittal – Complete
 - Final Design TRB – Complete
 - Corrected Final/RTA Design Submittal – Complete
 - Governing Board – Complete
 - NTP – Complete
 - Substantial Completion – September 30, 2018
 - Final Completion – December 31, 2018

Milestones

Milestone	Compliance date	Status
Complete land acquisition	9/30/2013	Complete
Initiate design	9/30/2013	Complete
Submit state and federal permits	7/30/2014	Complete
Complete design	7/30/2015	Complete
Initiate construction	1/31/2016	Complete
Construction status report	3/1/2017	Pending
Construction status report	3/1/2018	Pending
Completion of construction	12/31/2018	Pending
Initial flooding and optimization complete	12/30/2020	Pending

**Quarterly Communications Meeting on the Long-
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Everglades Protection Area Tributary Basins
G-341 Conveyance Improvements – L16 Canal**

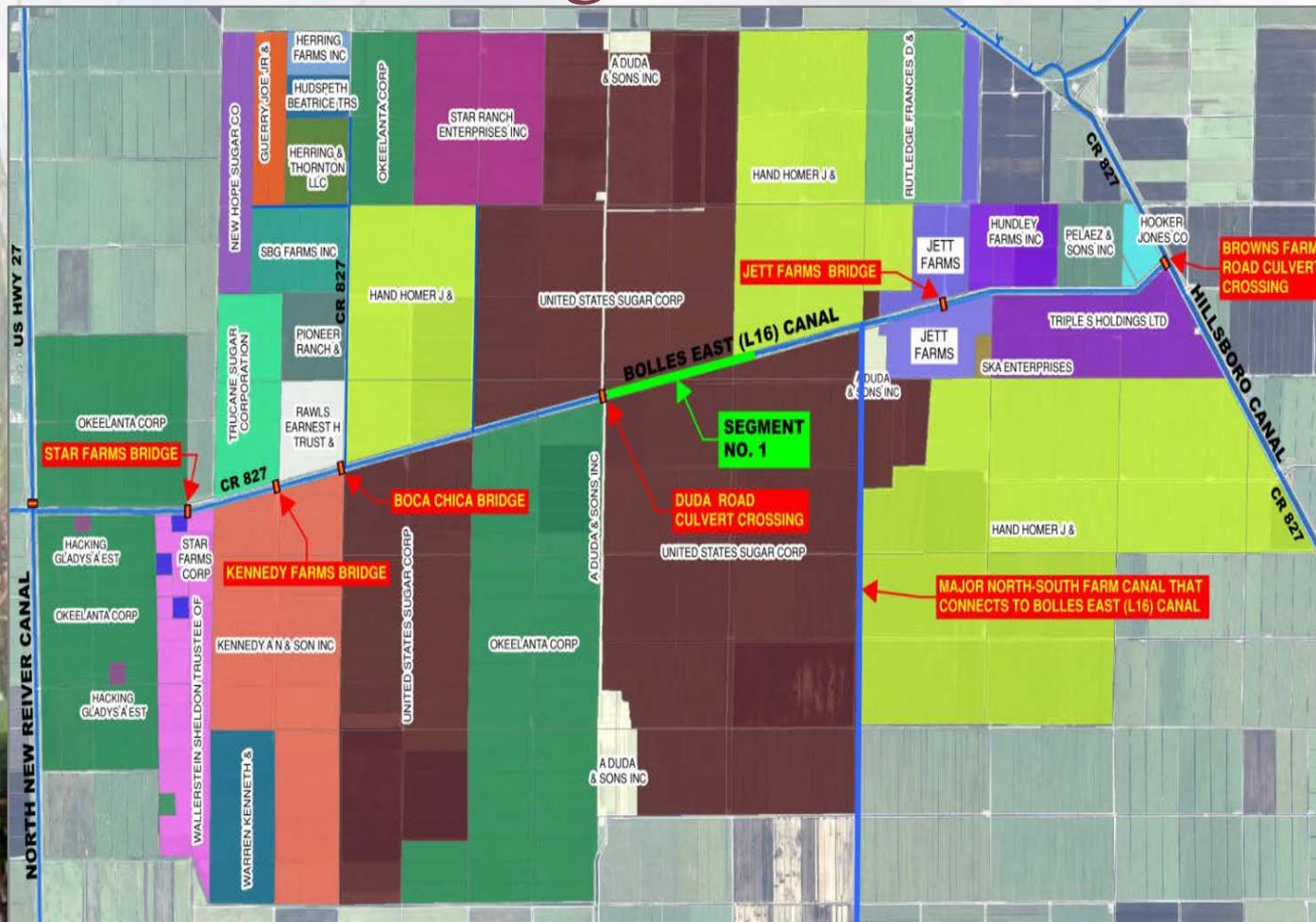
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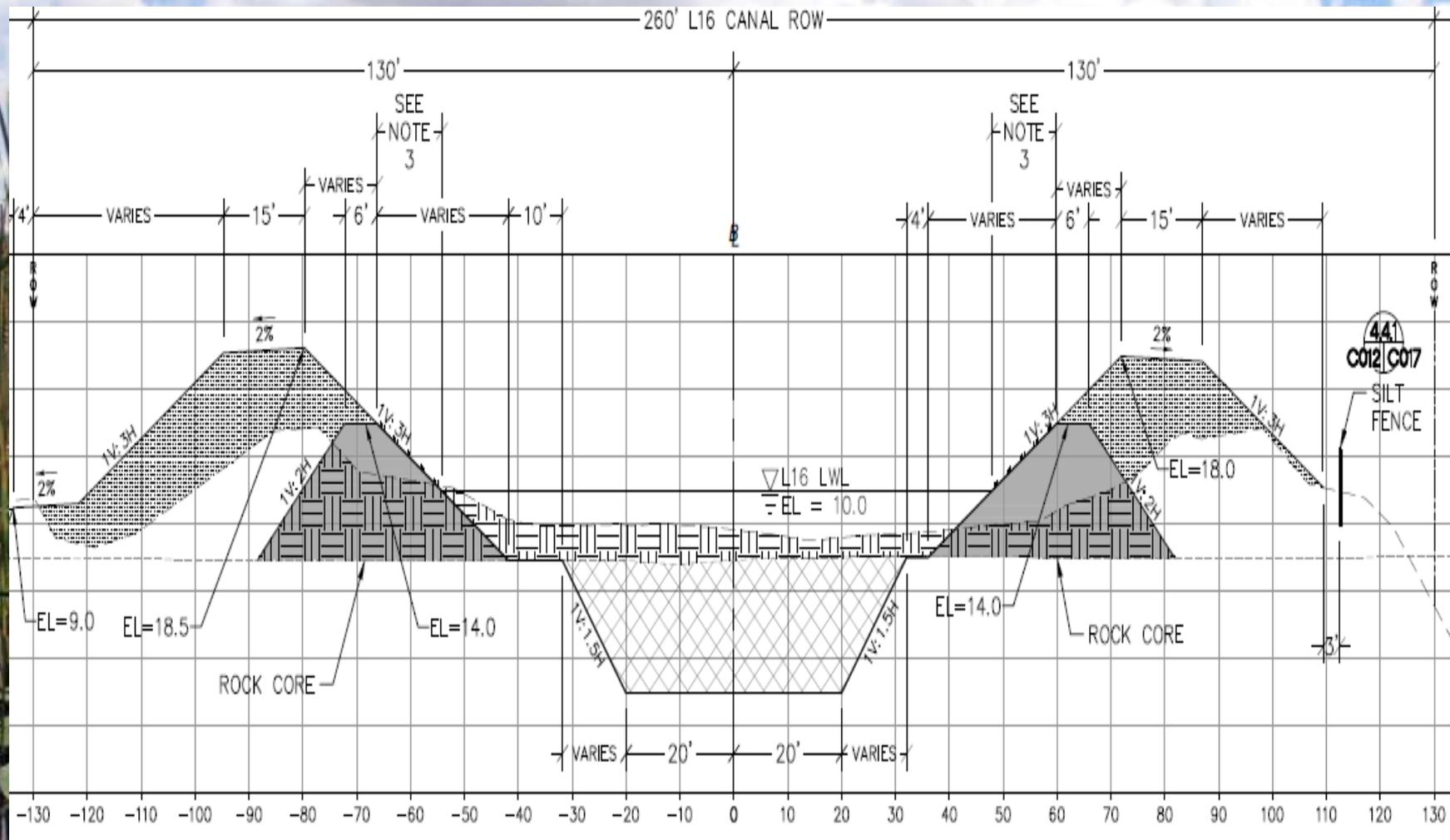
G341 Conveyance Improvements – L16 Canal Phase



G341 Conveyance Improvements – L16 Canal Segment 1



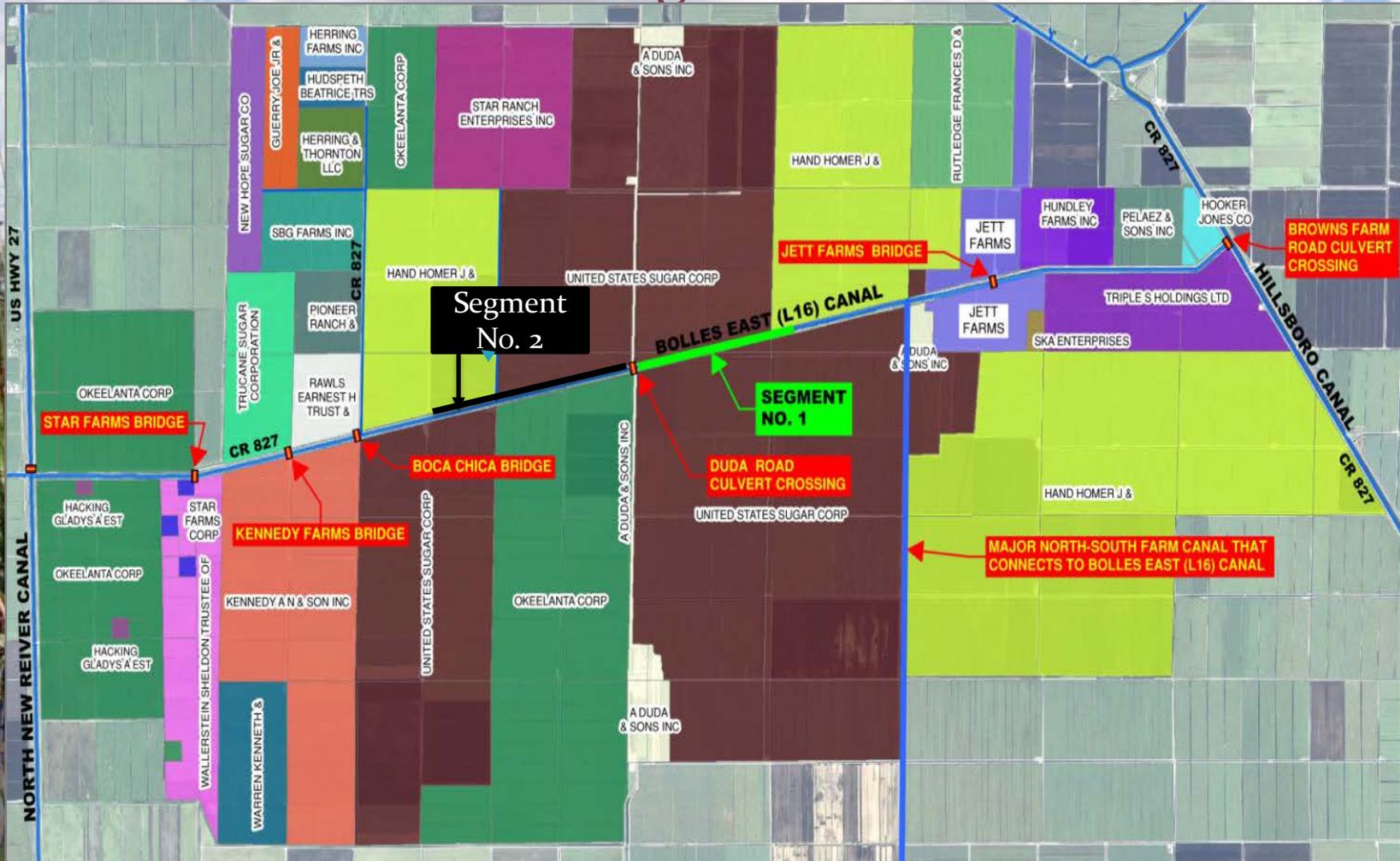
Typical Cross Section for Segment 1



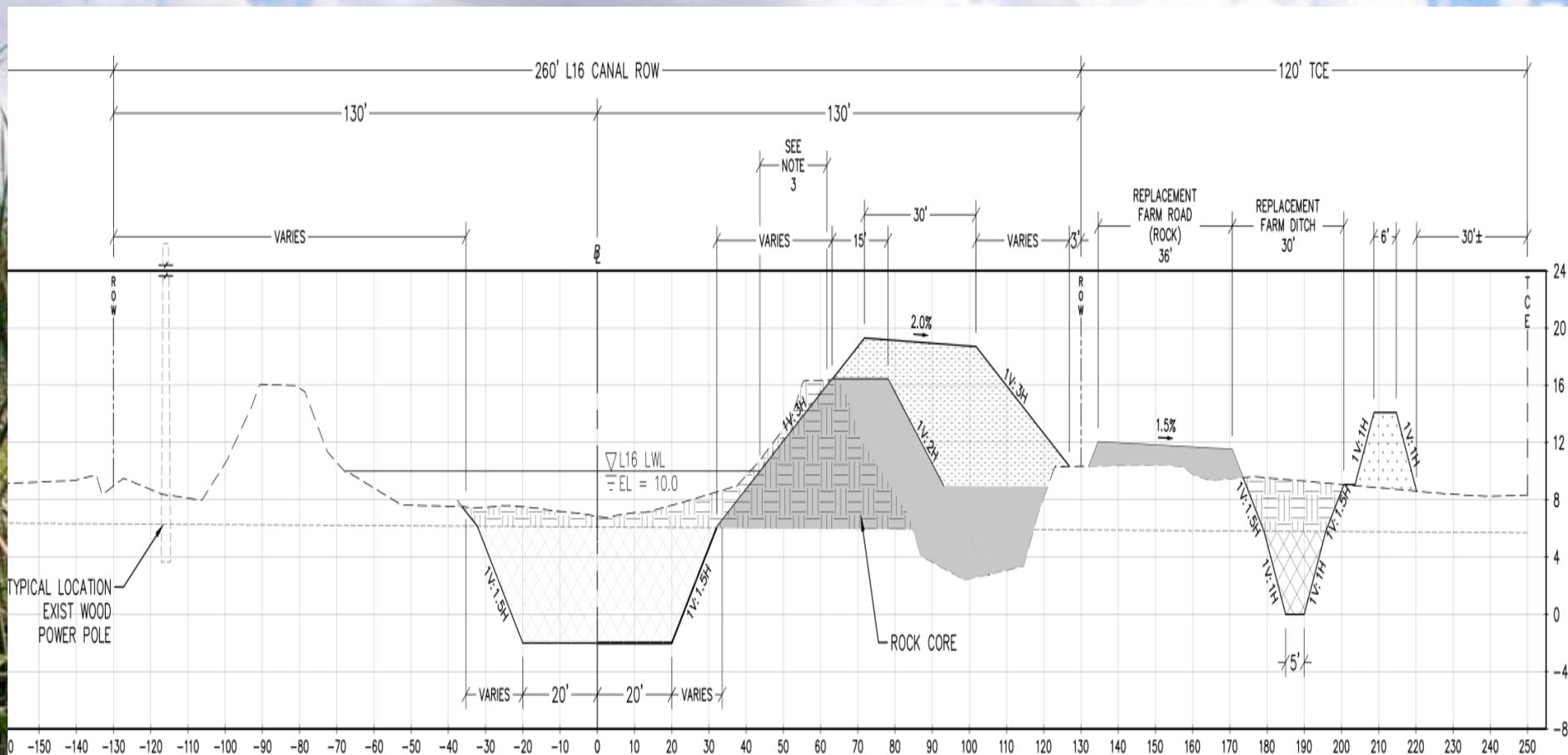
Typical Cross Section for Segment 1



G341 Conveyance Improvements – L16 Canal Segment 2



Typical Cross Section for Segment 2



TYPICAL DESIGN SECTION

SCALE: 1" = 20' (H)

1" = 10' (V)

RS G-341 Bolles Canal – Phase I Project

- Design of Phase I:
 - Segment 1 Completed
 - Segment 2 Final Design – March 18, 2016
 - Duda Bridge Agreement – Completed February 2016 GB
- Construction Schedule Segment 1:
 - Notice to Proceed: September 14, 2015
 - Project Substantial Completion: September 13, 2016
 - Project Final Completion: November 12, 2016
- Construction activities:
 - Farm Ditch – 70% Completed
 - Farm Road – 70% Completed
 - Main Bolles Canal Blasting and Excavation – 55% Completed