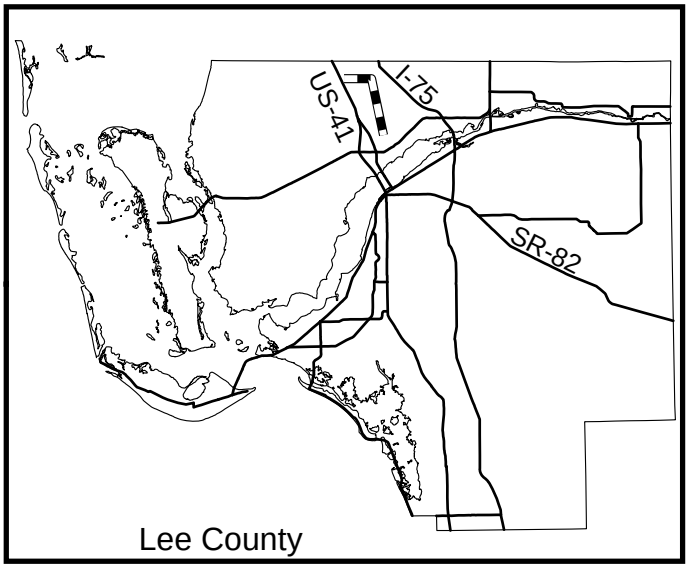
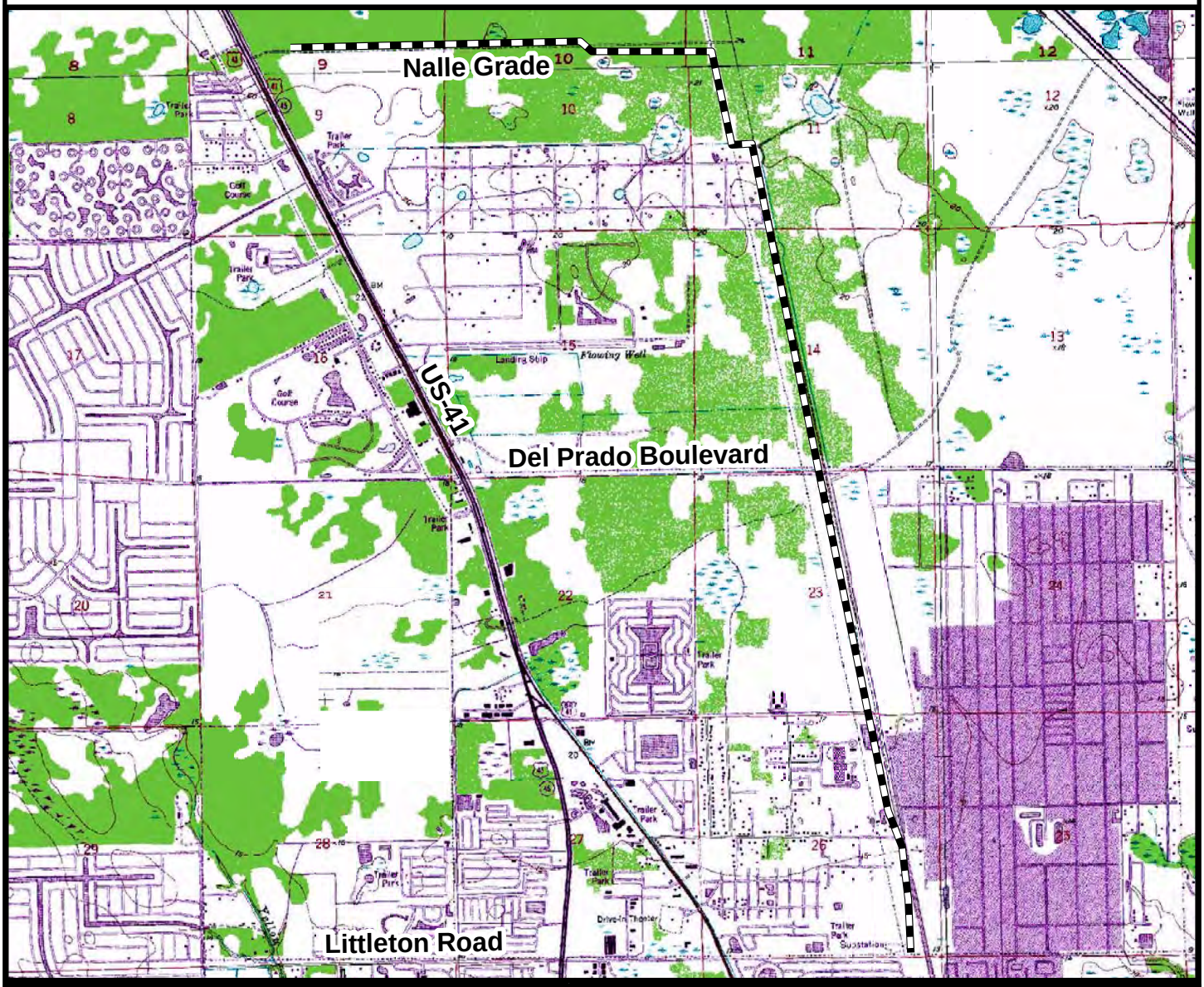
Location Map

Sections: 9, 10, 11, 14, 23, & 26
Township: 43 South
Range: 24 East

Proposed Alignment





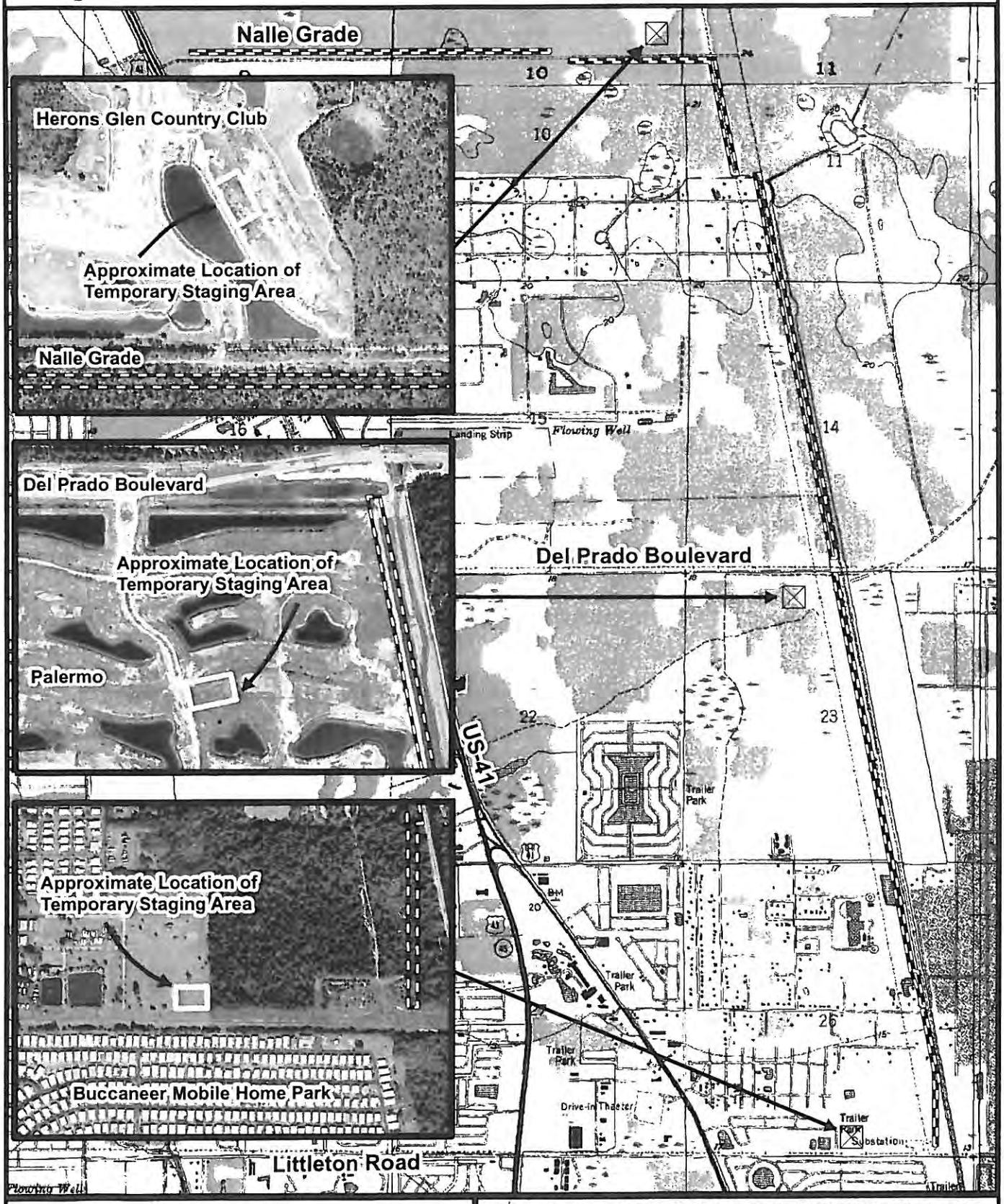
North Trail Power Line

W. DEXTER BENDER & ASSOCIATES, INC.
ENVIRONMENTAL & MARINE CONSULTING
FORT MYERS (239) 334-3680

\\File-server\e\WPDOCS\LCEC-26\GIS_GPS\Quad_Loc.mxd

North Trail Power Line

Proposed Alignment



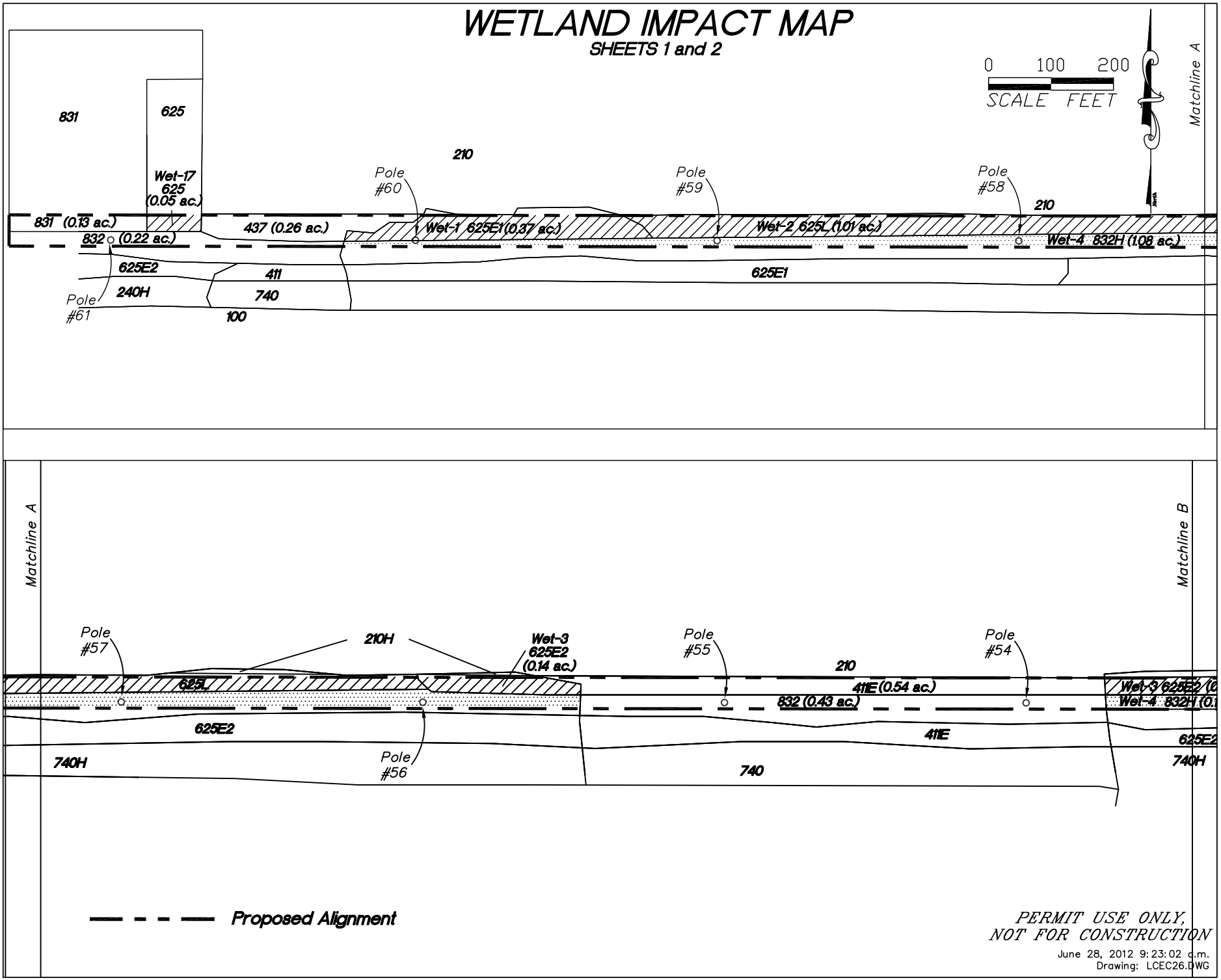
Temporary Staging Areas

W. DEXTER BENDER & ASSOCIATES, INC.
ENVIRONMENTAL & MARINE CONSULTING
FORT MYERS (239) 334-3680

\\File-server\e\WPDOCS\LCEC-26\GIS_GPS\Temp_Staging_Areas.mxd

WETLAND IMPACT MAP

SHEETS 1 and 2



PERMIT USE ONLY,
NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

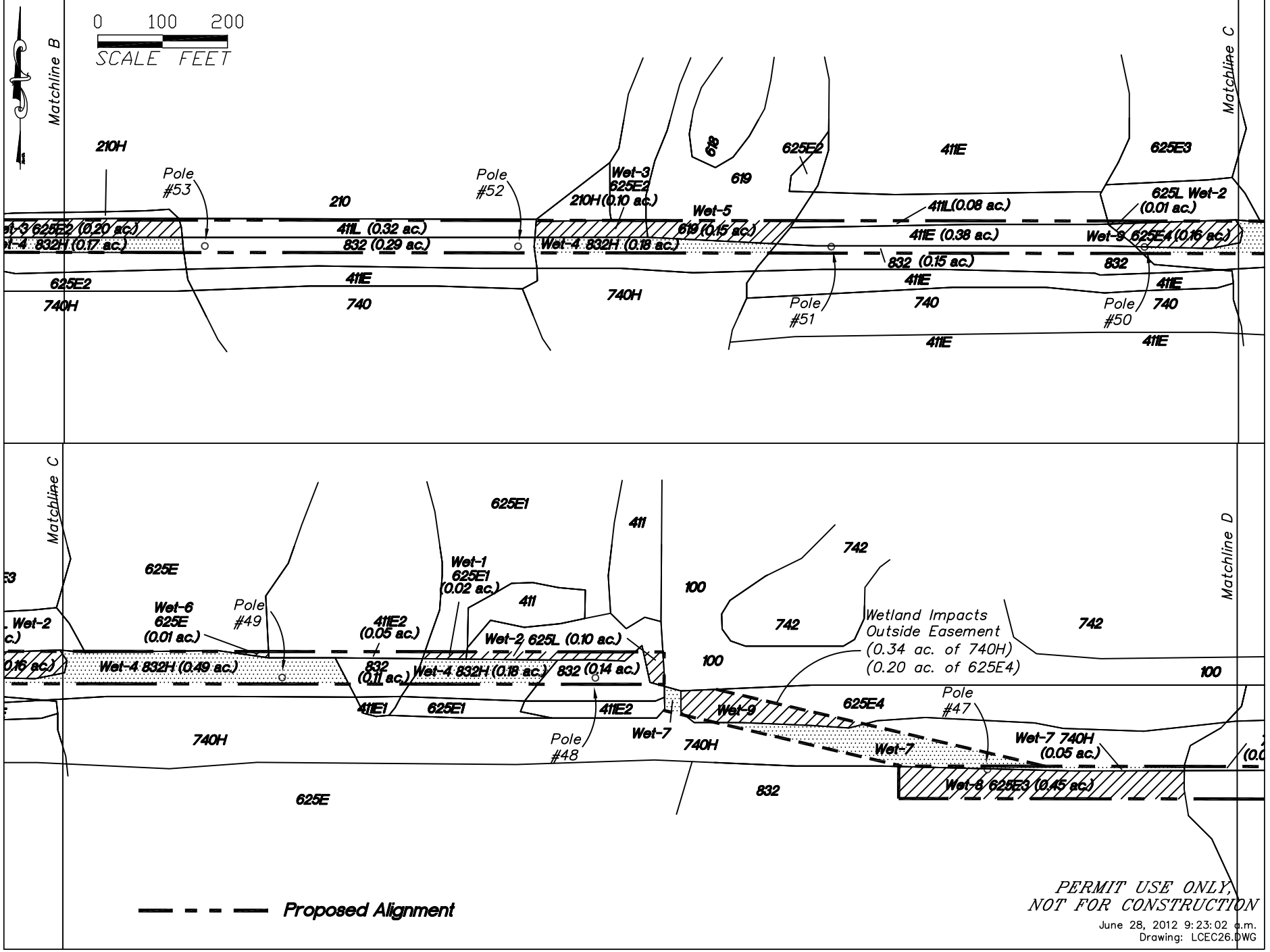
LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL. 33917 Phone: 1-(800)-282-1643 or (239)995-2121

North Trail Power Line Easement

Dwn. By:	
Date:	
Proj. No.	

WETLAND IMPACT MAP

SHEETS 3 and 4



PERMIT USE ONLY,
NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

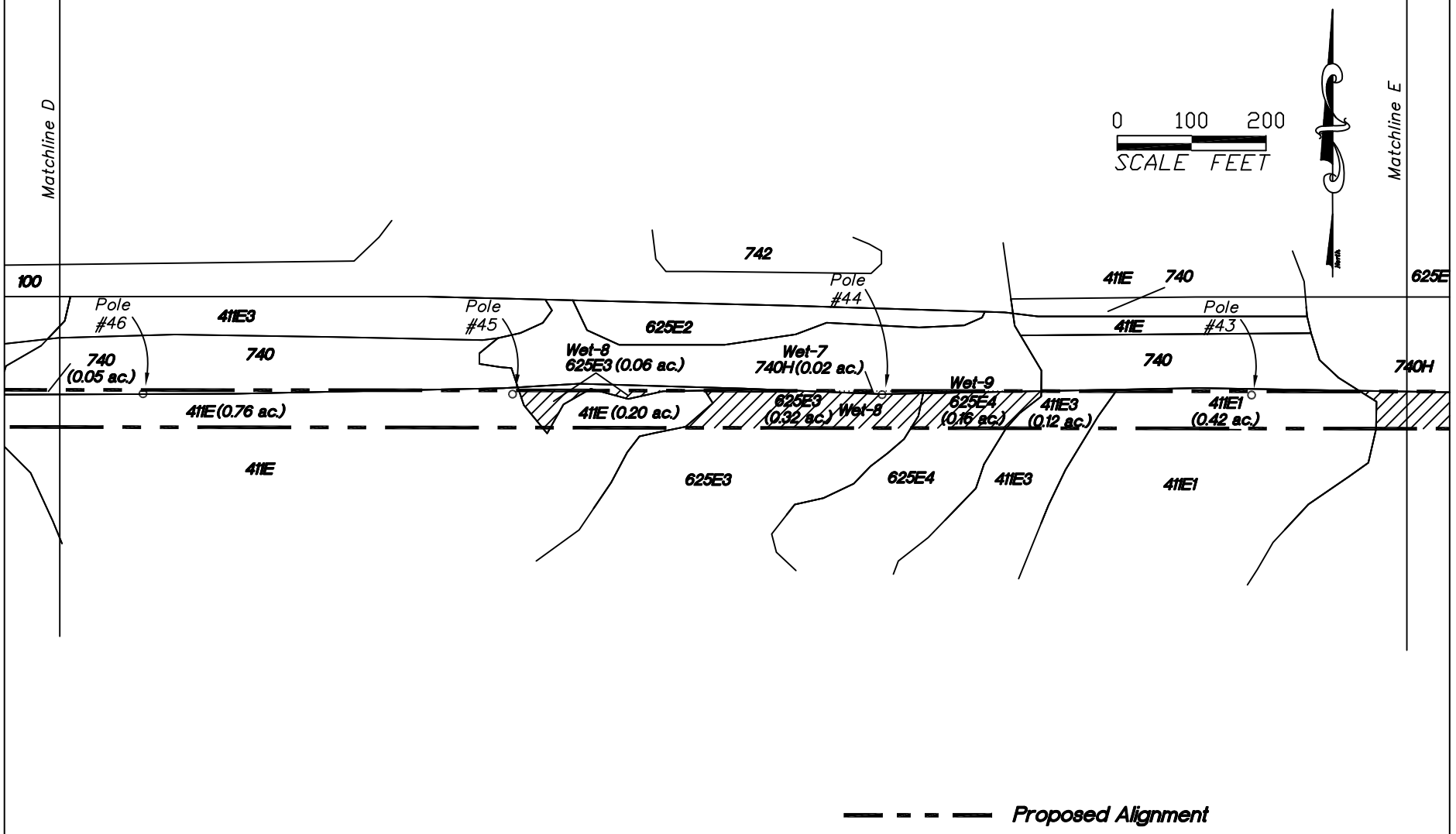
LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL. 33917 Phone: 1-(800)-282-1643 or (239)995-2121

North Trail Power Line Easement

Dwn. By:
Date:
Proj. No.

WETLAND IMPACT MAP

SHEET 5



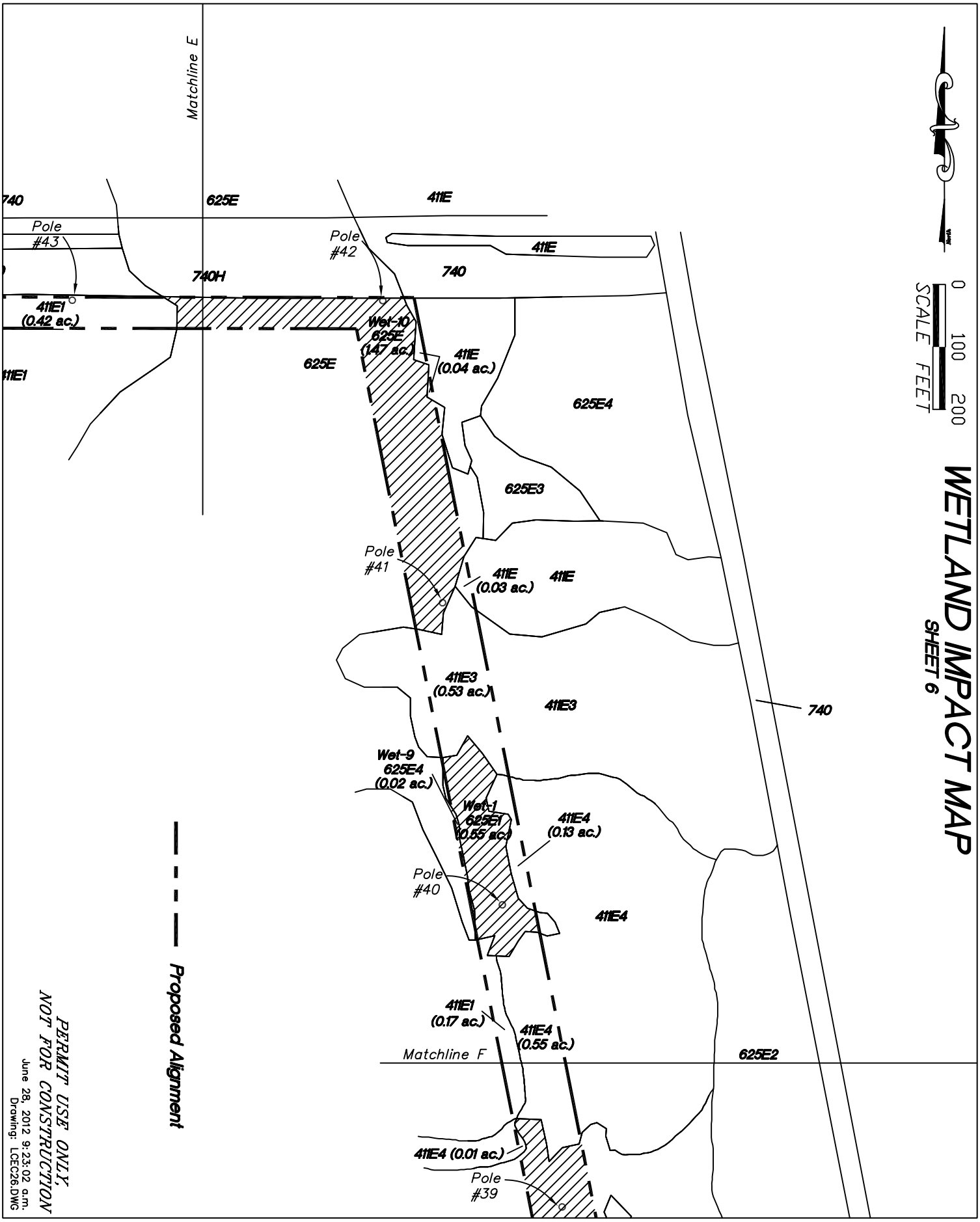
PERMIT USE ONLY, NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL 33917 Phone: 1-(800)-282-1643 or (239)995-2121

North Trail Power Line Easement

Dwn. By:
Date:
Proj. No.



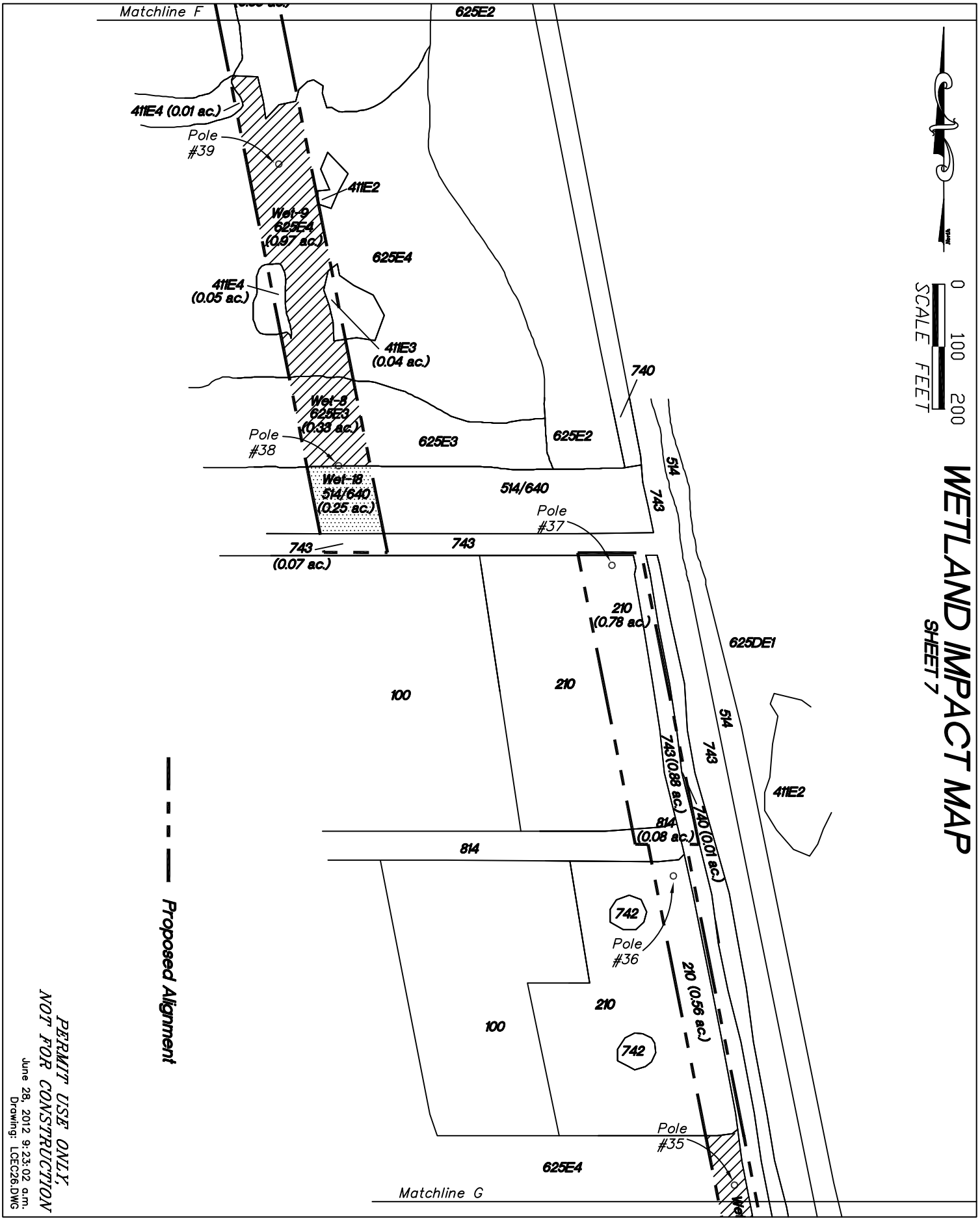
WETLAND IMPACT MAP

SHEET 6

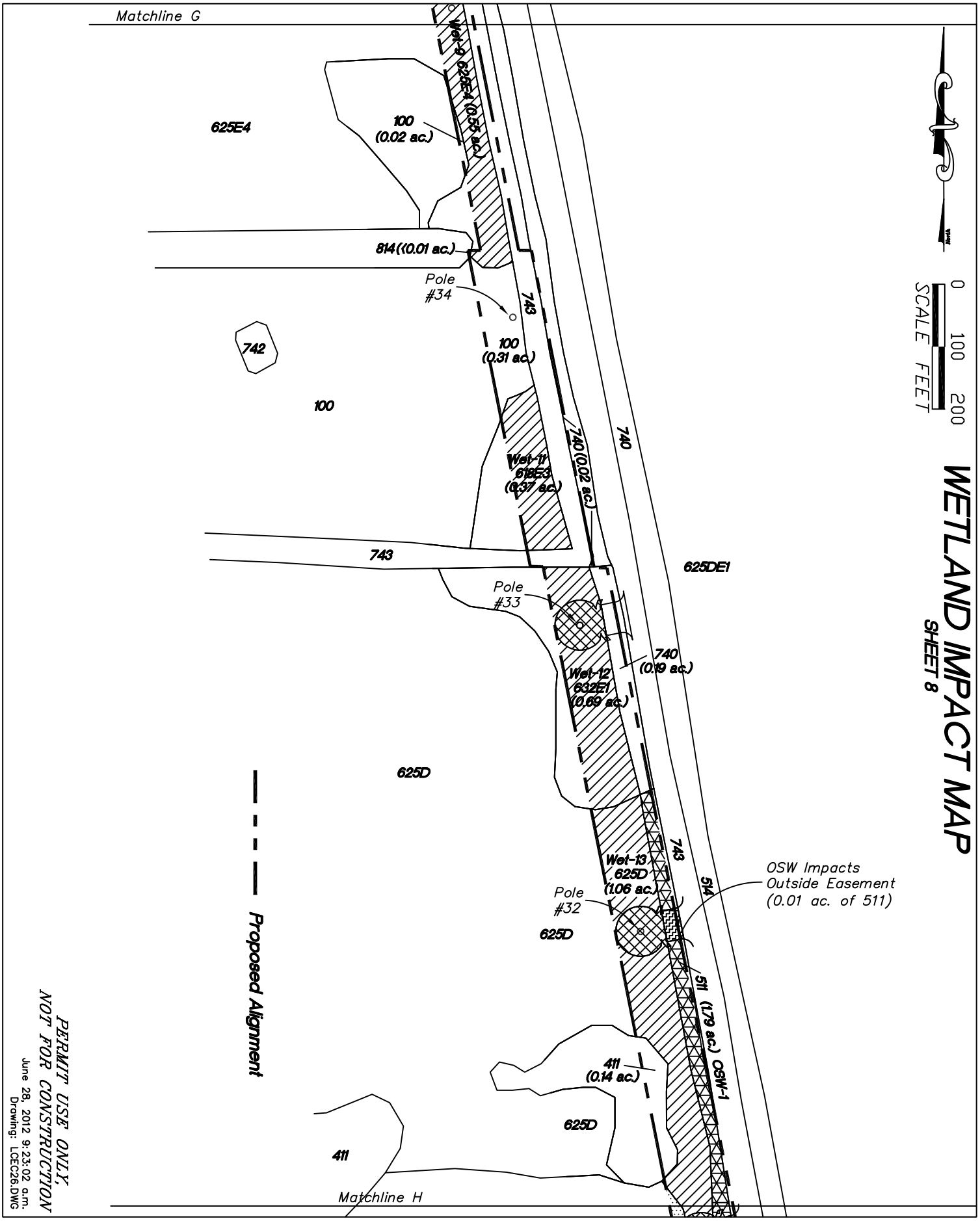
PERMIT USE ONLY, NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

Dwn. By:	North Trail Power Line Easement	LCEC LEE COUNTY ELECTRIC COOPERATIVE, INC.
Date:		4980 Bayline Dr., N. Ft. Myers, FL. 33917 Phone: 1-(800)-282-1643 or (239)995-2121
Proj. No.		



Dwn. By:	North Trail Power Line Easement	LCEC LEE COUNTY ELECTRIC COOPERATIVE, INC.
Date:		4980 Bayline Dr., N. Ft. Myers, FL. 33917 Phone: 1-(800)-282-1643 or (239)995-2121
Proj. No.		



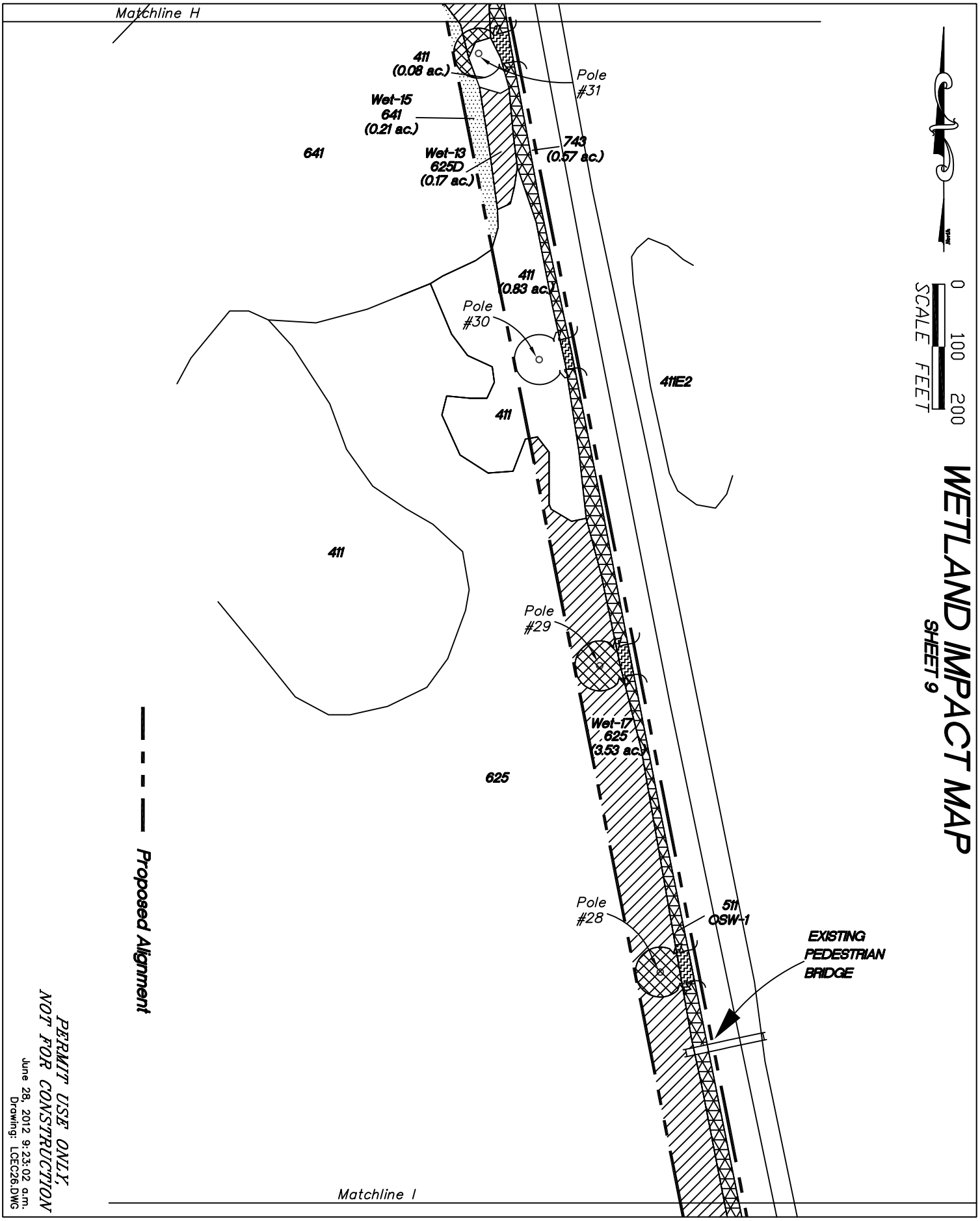
WETLAND IMPACT MAP

SHEET 8

PERMIT USE ONLY,
NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

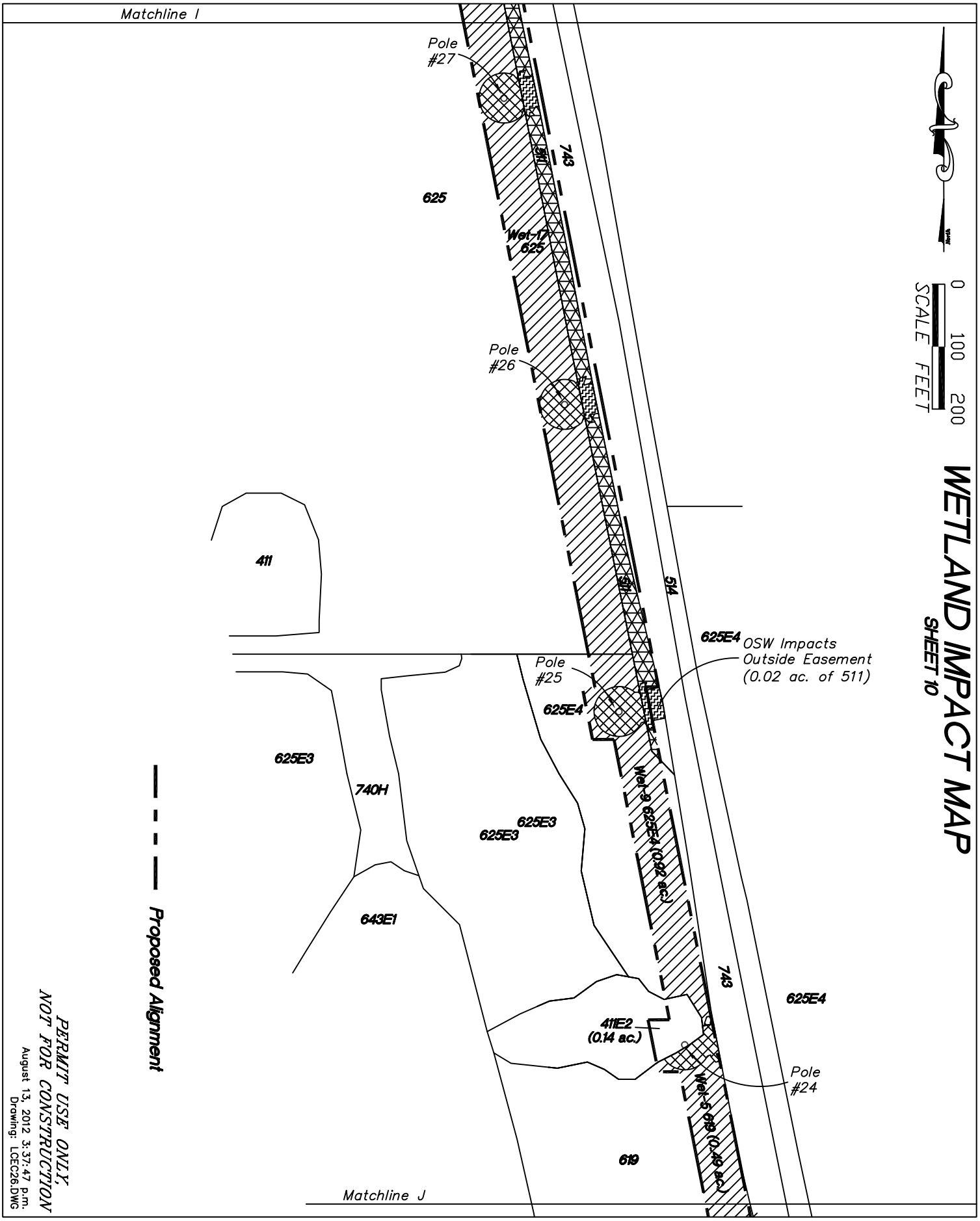
Dwn. By:	North Trail Power Line Easement	LCEC LEE COUNTY ELECTRIC COOPERATIVE, INC. 4980 Bayline Dr., N. Ft. Myers, FL. 33917 Phone: 1-(800)-282-1643 or (239)995-2121
Date:		
Proj. No.		



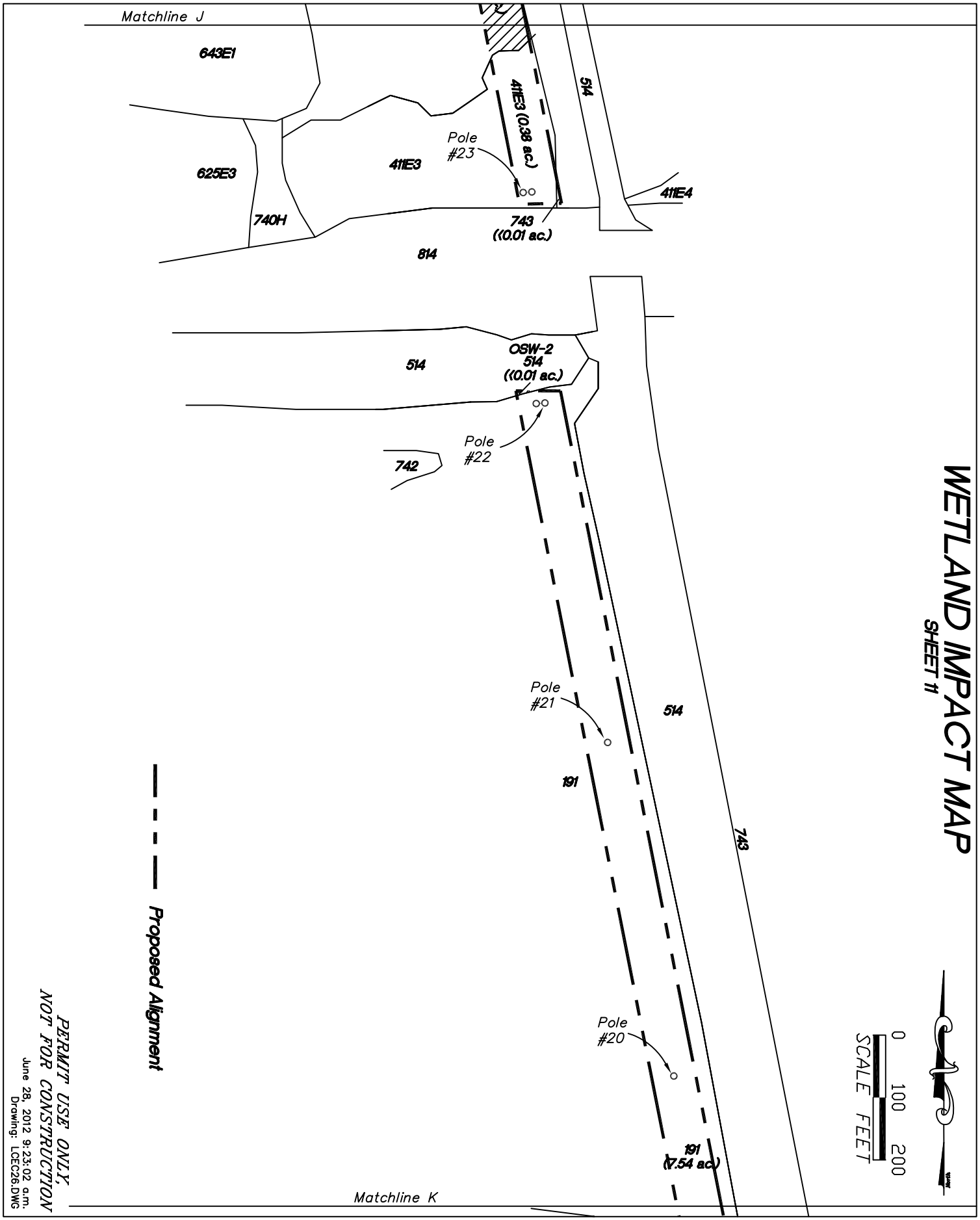
PERMIT USE ONLY,
NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

Dwn. By:	North Trail Power Line Easement	LCEC LEE COUNTY ELECTRIC COOPERATIVE, INC. 4980 Bayline Dr., N. Ft. Myers, FL. 33917 Phone: 1-(800)-282-1643 or (239)995-2121
Date:		
Proj. No.		



Dwn. By:	North Trail Power Line Easement	LCEC LEE COUNTY ELECTRIC COOPERATIVE, INC.
Date:		4980 Bayline Dr., N. Ft. Myers, FL. 33917 Phone: 1-(800)-282-1643 or (239)995-2121
Proj. No.		



WETLAND IMPACT MAP

SHEET 11

PERMIT USE ONLY, NOT FOR CONSTRUCTION

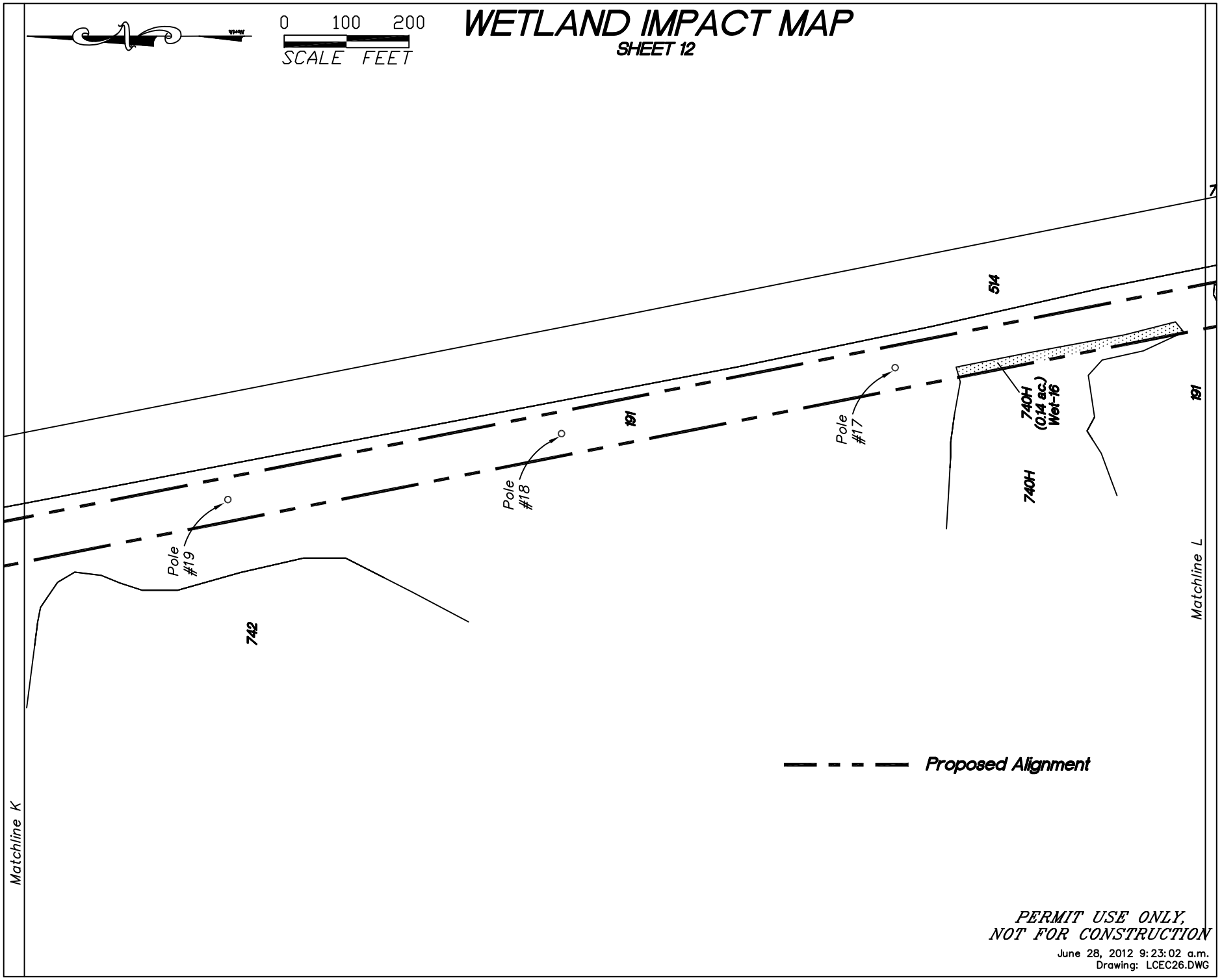
June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

Dwn. By:	North Trail Power Line Easement	LCEC LEE COUNTY ELECTRIC COOPERATIVE, INC.
Date:		4980 Bayline Dr., N. Ft. Myers, FL. 33917 Phone: 1-(800)-282-1643 or (239)995-2121
Proj. No.		

WETLAND IMPACT MAP

SHEET 12

0 100 200
SCALE FEET



PERMIT USE ONLY,
NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL 33917 Phone: 1-(800)-282-1643 or (239)995-2121

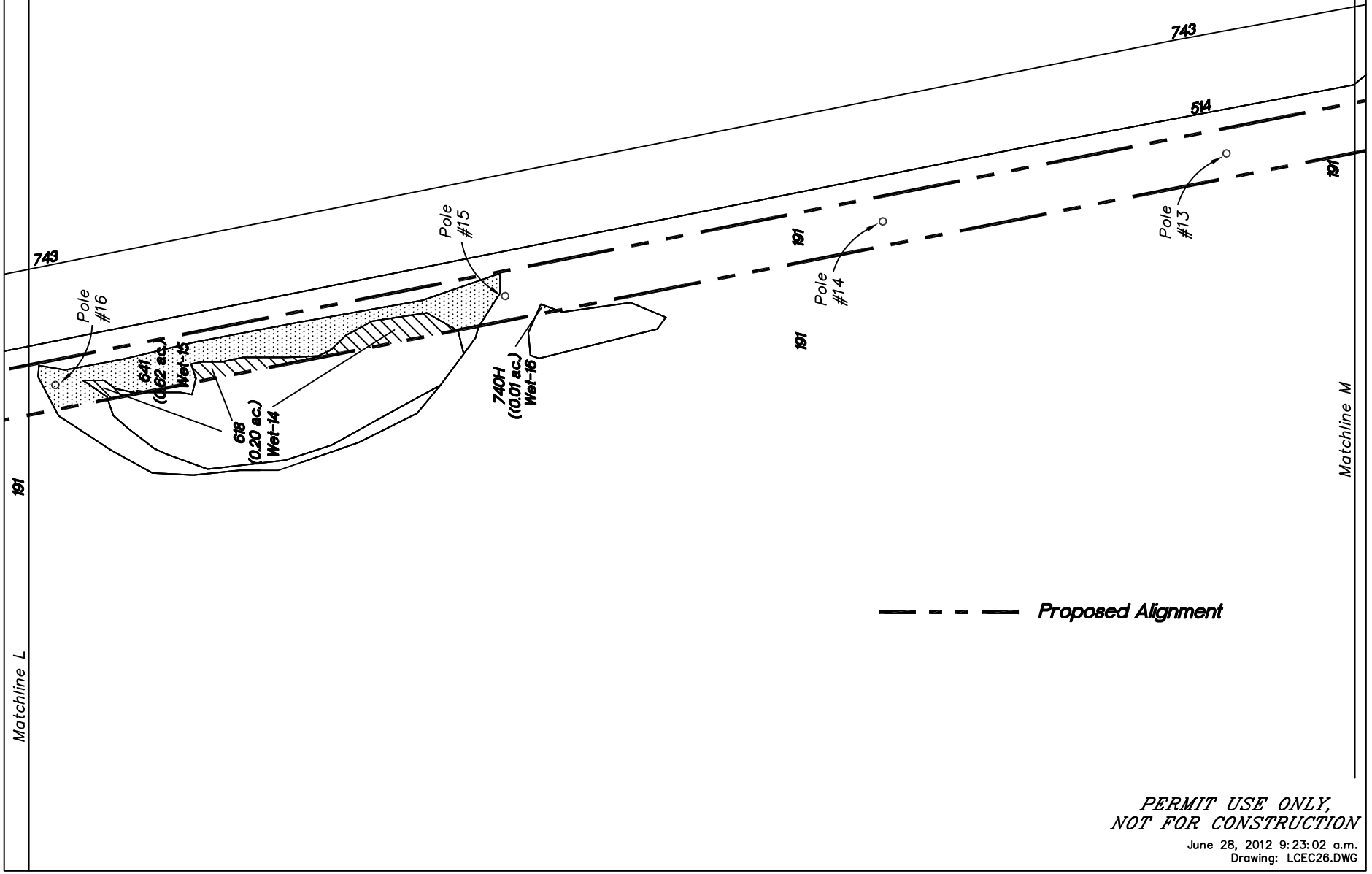
North Trail Power Line Easement

Dwn. By:
Date:
Proj. No.

WETLAND IMPACT MAP

SHEET 13

0 100 200
SCALE FEET



PERMIT USE ONLY,
NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL 33917 Phone: 1-(800)-282-1643 or (239)995-2121

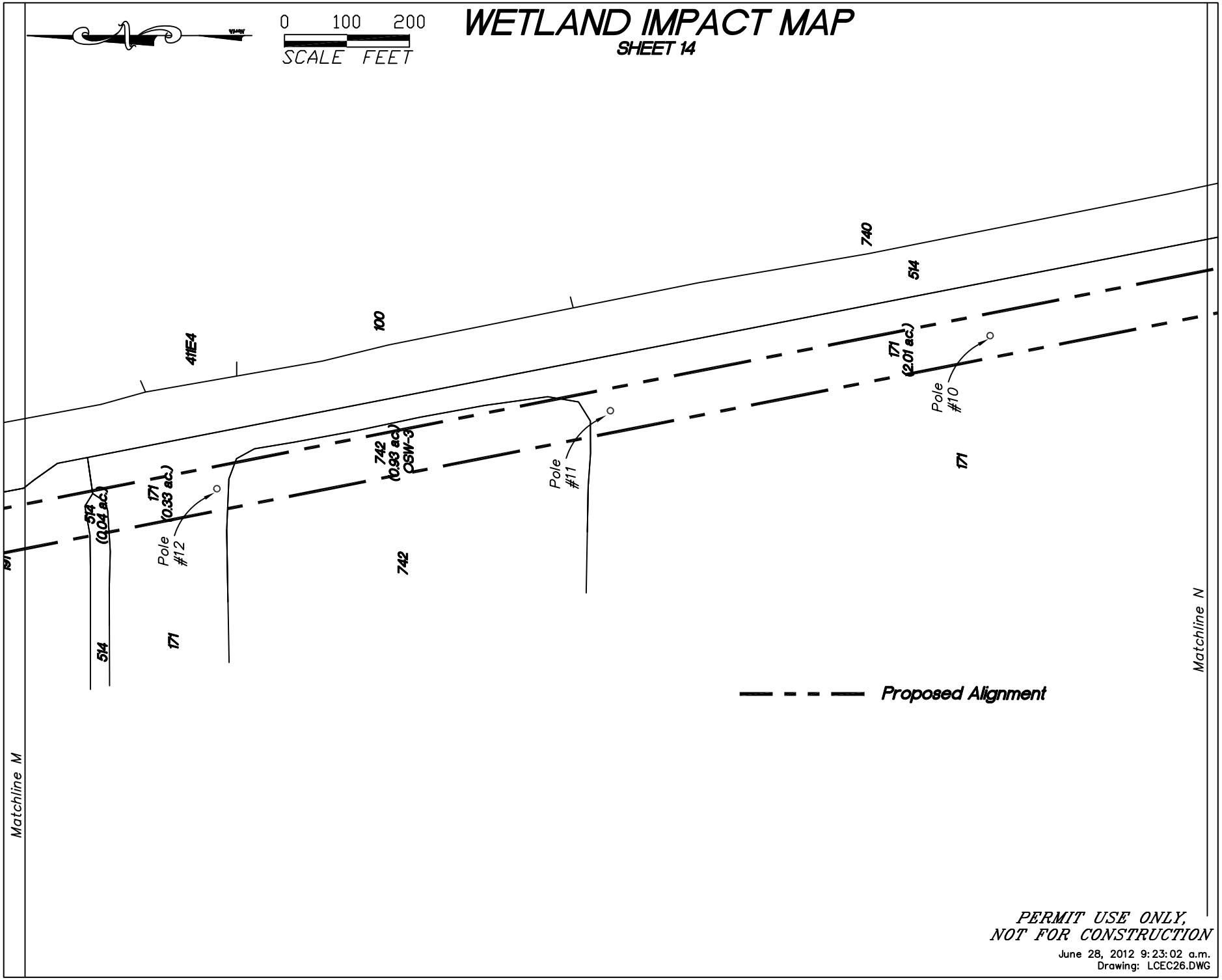
North Trail Power Line Easement

Dwn. By:
Date:
Proj. No.

WETLAND IMPACT MAP

SHEET 14

0 100 200
SCALE FEET



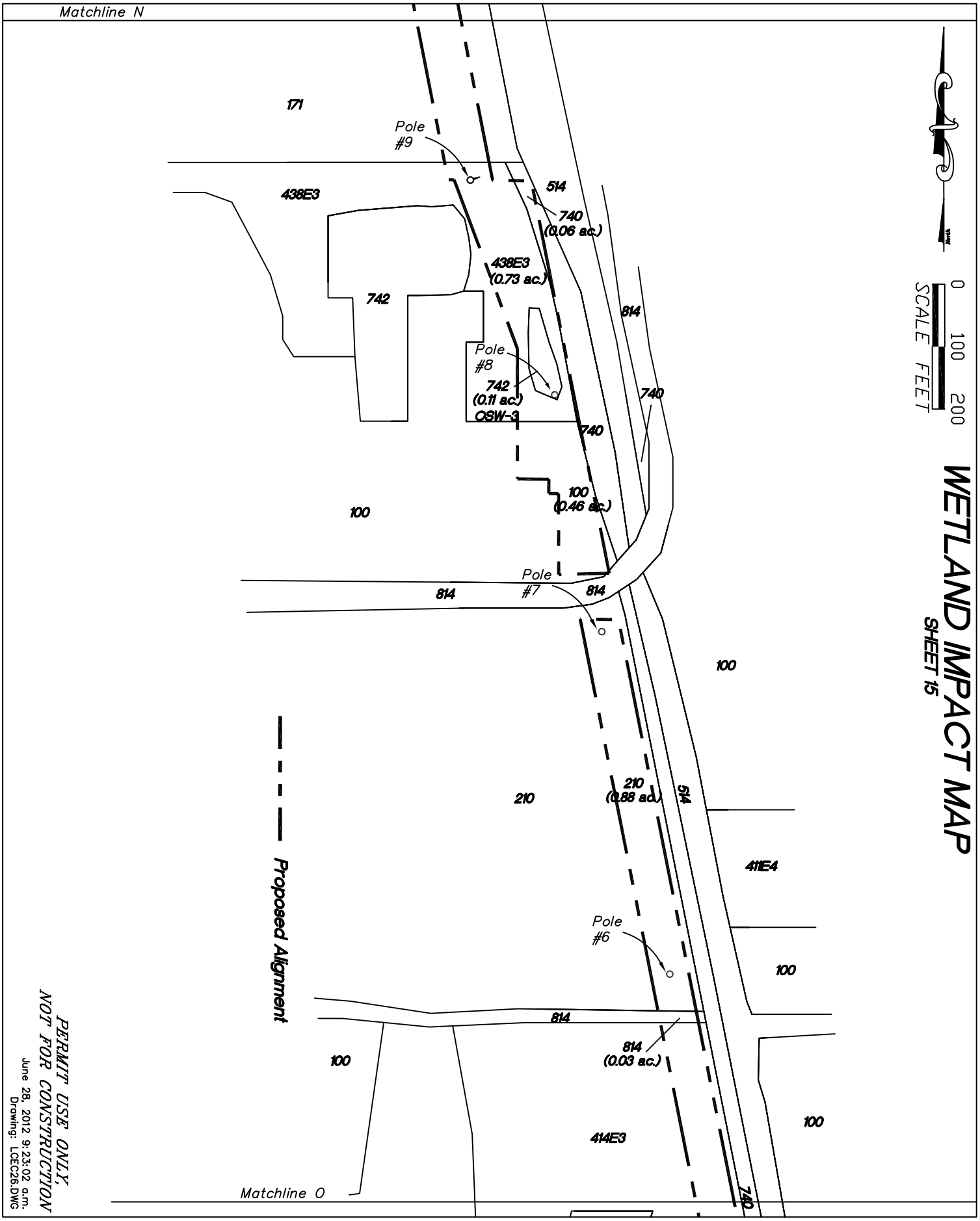
PERMIT USE ONLY,
NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL 33917 Phone: 1-(800)-282-1643 or (239)995-2121

North Trail Power Line Easement

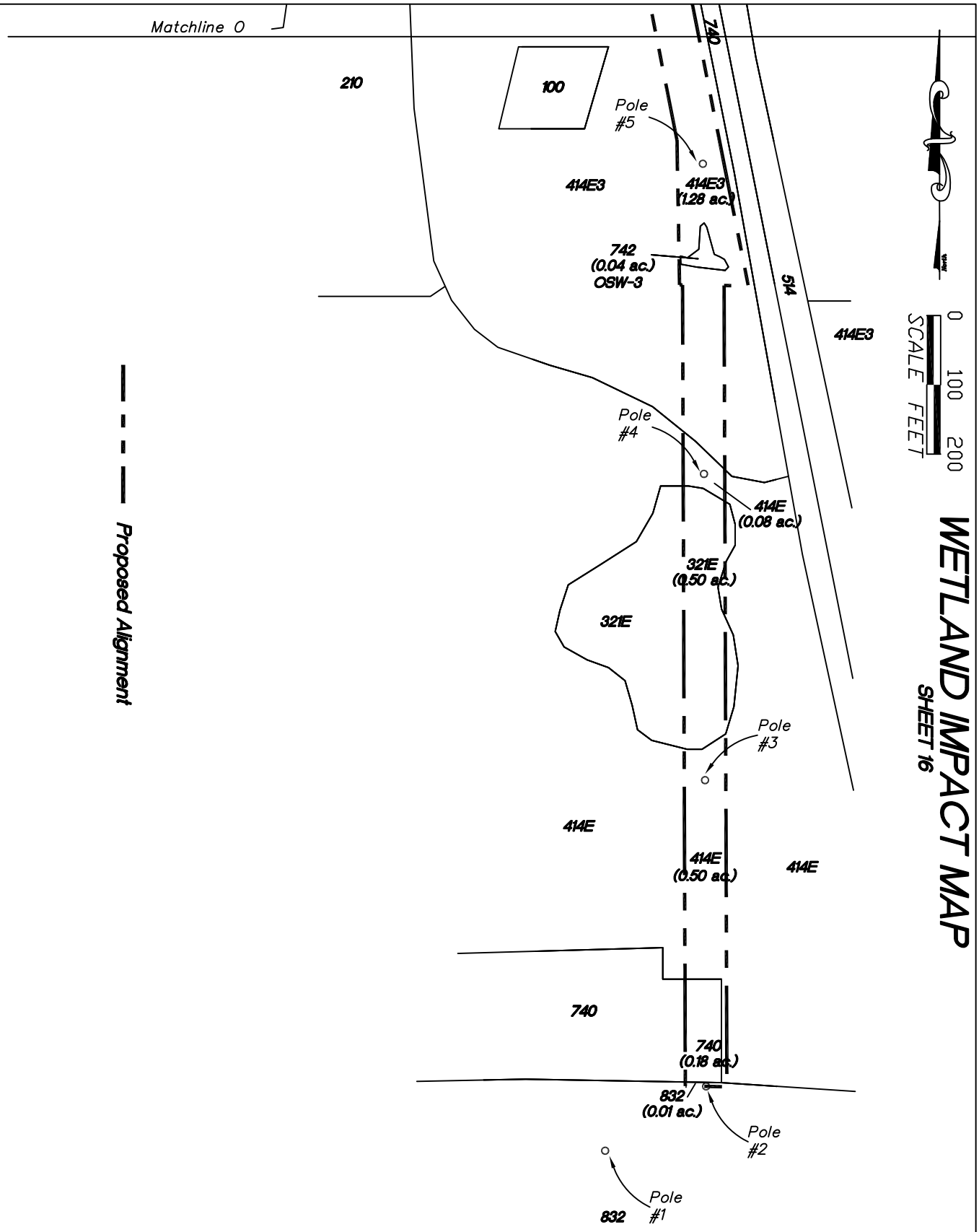
Dwn. By:
Date:
Proj. No.



PERMIT USE ONLY,
NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

Dwn. By:	North Trail Power Line Easement	LCEC LEE COUNTY ELECTRIC COOPERATIVE, INC.
Date:		4980 Bayline Dr., N. Ft. Myers, FL. 33917 Phone: 1-(800)-282-1643 or (239)995-2121
Proj. No.		



WETLAND IMPACT MAP

SHEET 16

PERMIT USE ONLY,
NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

Dwn. By:	North Trail Power Line Easement	LCEC LEE COUNTY ELECTRIC COOPERATIVE, INC.
Date:		4980 Bayline Dr., N. Ft. Myers, FL. 33917 Phone: 1-(800)-282-1643 or (239)995-2121
Proj. No.		

WETLAND IMPACT MAP

LEGEND

FLUCCS	Description	Acreage
100	Urban and built-up	0.79 ac.
171	Educational Facilities	2.34 ac.
191	Undeveloped Land within Urban Areas	7.54 ac.
210	Cropland and Pastureland	2.22 ac.
*210H	Hydric Cropland and Pastureland	n/a
321E	Palmetto Prairies Invaded by Exotics (5-9%)	0.50 ac.
411	Pine Flatwoods	1.05 ac.
411E	Pine Flatwoods Invaded by Exotics (5-9%)	1.95 ac.
411E1	Pine Flatwoods Invaded by Exotics (10-25%)	0.59 ac.
411E2	Pine Flatwoods Invaded by Exotics (26-50%)	0.19 ac.
411E3	Pine Flatwoods Invaded by Exotics (51-75%)	1.07 ac.
411E4	Pine Flatwoods Invaded by Exotics (76-90%)	0.74 ac.
411L	Pine Flatwoods - Logged	0.40 ac.
414E	Pine - Mesic Oak Invaded by Exotics (5-9%)	0.58 ac.
414E3	Pine - Mesic Oak Invaded by Exotics (51-75%)	1.28 ac.
437	Australian Pines	0.26 ac.
438E3	Mixed Hardwoods Invaded by Exotics (51-75%)	0.73 ac.
**511	Ditch	1.79 ac.
**514	Canal	0.04 ac.
*514/640	Canal/Created Marsh	0.25 ac.
*618	Willow	0.20 ac.
*618E3	Willow Invaded by Exotics (51-75%)	0.37 ac.
*619	Exotic Wetland Hardwoods	0.64 ac.
*625	Hydric Pine Flatwoods	3.58 ac.
*625D	Hydric Pine Flatwoods - Disturbed	1.23 ac.
*625E	Hydric Pine Flatwoods Invaded by Exotics (5-9%)	1.48 ac.
*625E1	Hydric Pine Flatwoods Invaded by Exotics (10-25%)	0.94 ac.
*625E2	Hydric Pine Flatwoods Invaded by Exotics (26-50%)	0.44 ac.
*625E3	Hydric Pine Flatwoods Invaded by Exotics (51-75%)	1.16 ac.
*625E4	Hydric Pine Flatwoods Invaded by Exotics (76-90%)	2.78 ac.
*625L	Hydric Pine Flatwoods - Logged	1.12 ac.
*632E1	Shrub and Brush Marsh Invaded by Exotics (10-25%)	0.69 ac.
*641	Freshwater Marshes	0.83 ac.
*643E1	Wet Prairies Invaded by Exotics (10-25%)	n/a
740	Disturbed Land	0.51 ac.
*740H	Hydric Disturbed Land	0.22 ac.
**742	Borrow Areas	1.08 ac.
743	Spoil Areas	1.52 ac.
814	Roads and Highways	0.11 ac.
831	Electrical Power Facilities	0.13 ac.
832	Electrical Power Transmission Lines	1.35 ac.
*832H	Hydric Electrical Power Transmission Lines	2.10 ac.
	TOTAL	46.79 ac.

* Potential Jurisdictional Wetlands (18.03 ac.)
** Potential Jurisdictional Other Surface Waters (2.91 ac.)

Temporary Herbaceous Jurisdictional Wetland Impact (3.71 ac.)

Forested Jurisdictional Wetland Impact (13.96 ac.)

Temporary Other Surface Water Impact (1.59 ac.)

Wetland Fill (0.90 ac.)

Other Surface Water Fill (0.23 ac.)

A total of 0.20 ac. of forested impacts, 0.34 ac. of temporary herbaceous impacts, and 0.03 ac. of OSW fill are located outside of the easement boundary.

PERMIT USE ONLY,
NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL. 33917 Phone: 1-(800)-282-1643 or (239)995-2121

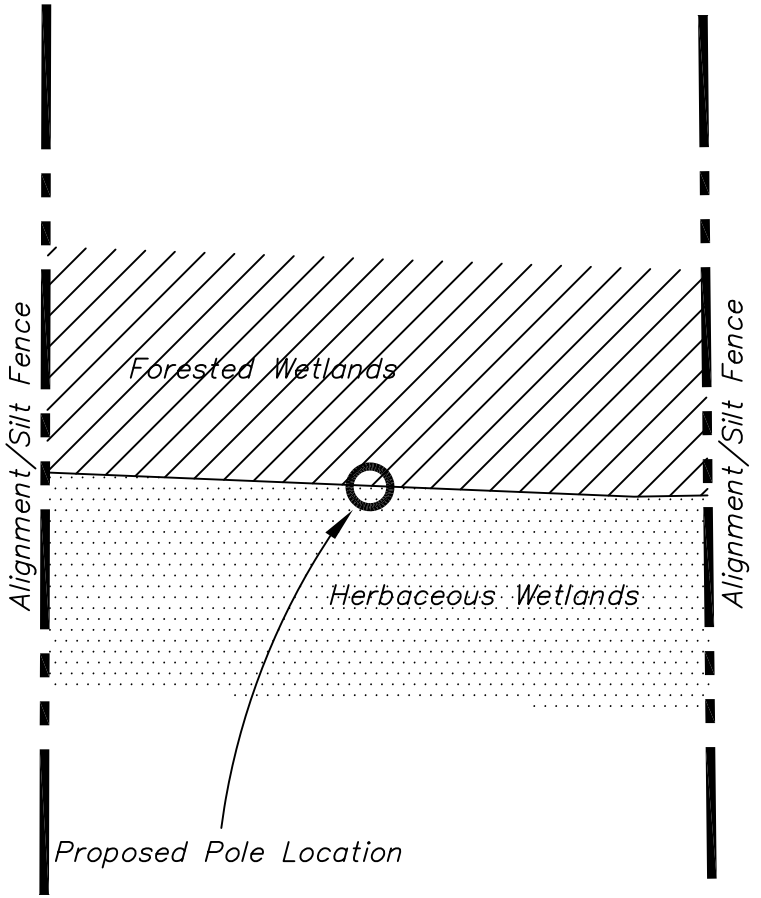
North Trail Power Line Easement

Dwn. By:
Date:
Proj. No.

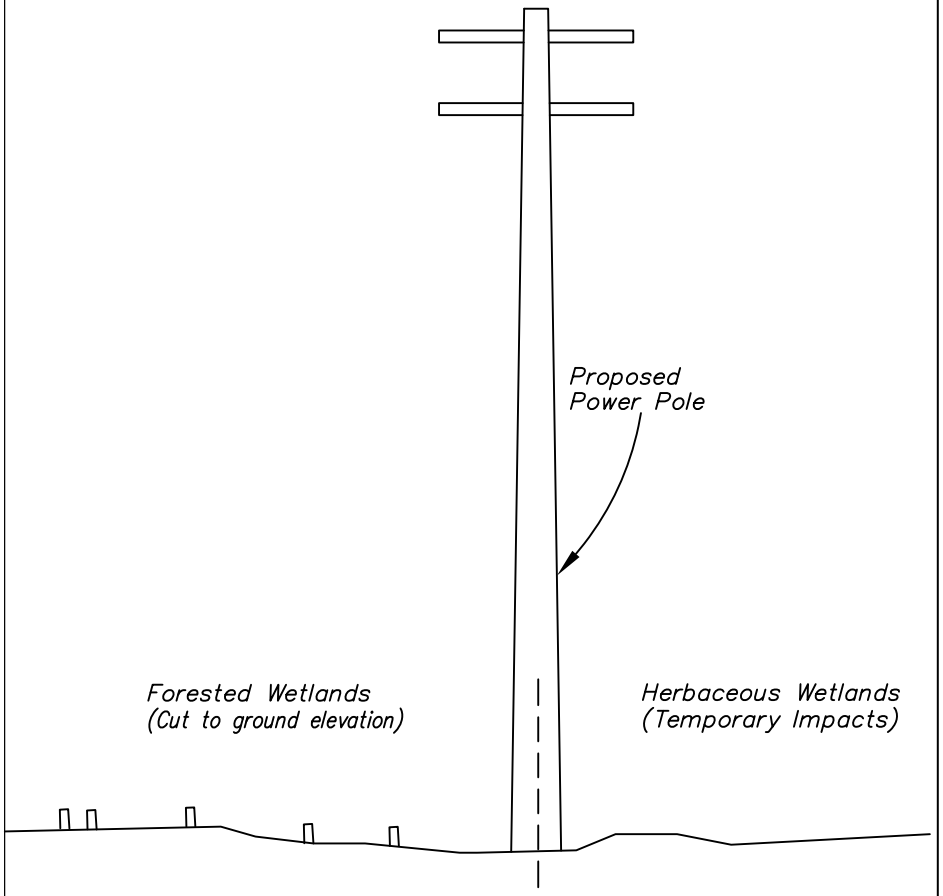
WETLAND IMPACT DETAIL

TYPICAL FOR POLE 38

NTS



Note: Width of wetlands varies.



Forested Wetlands
(Cut to ground elevation)

Herbaceous Wetlands
(Temporary impacts)

PERMIT USE ONLY,
NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL 33917 Phone: 1-(800)-282-1643 or (239)995-2121

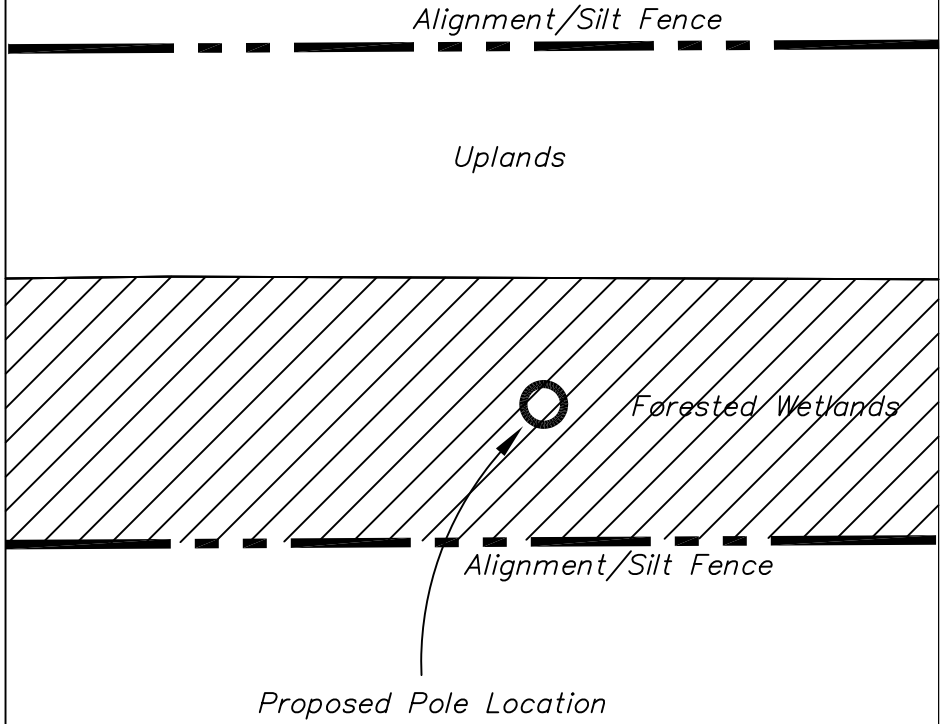
North Trail Power Line Easement

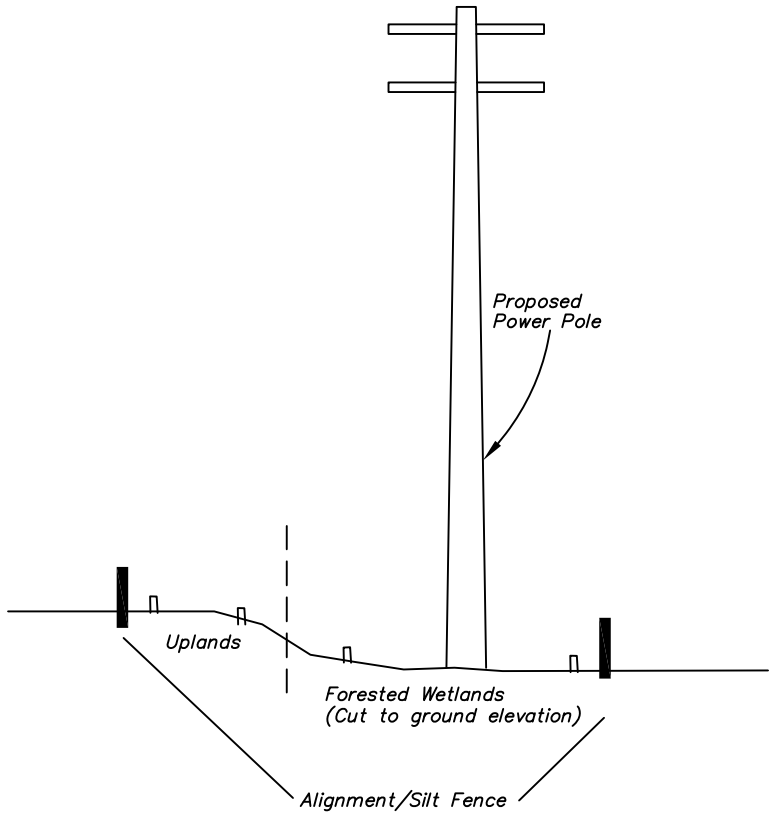
Dwn. By:
Date:
Proj. No.

WETLAND IMPACT DETAIL

TYPICAL FOR POLES 35,40-42

NTS





Forested Wetlands
(Cut to ground elevation)

Notes:
1. Width of wetlands varies.
2. Pole location relative to alignment varies.

PERMIT USE ONLY,
NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL 33917 Phone: 1-(800)-282-1643 or (239)995-2121

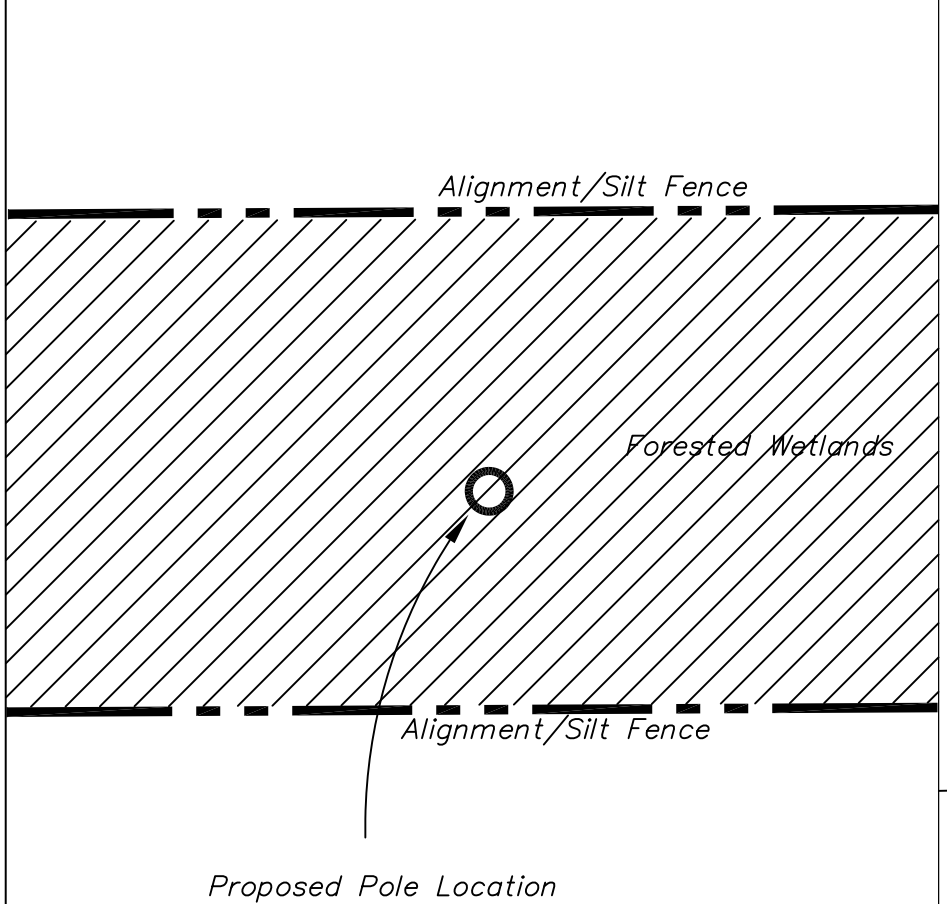
North Trail Power Line Easement

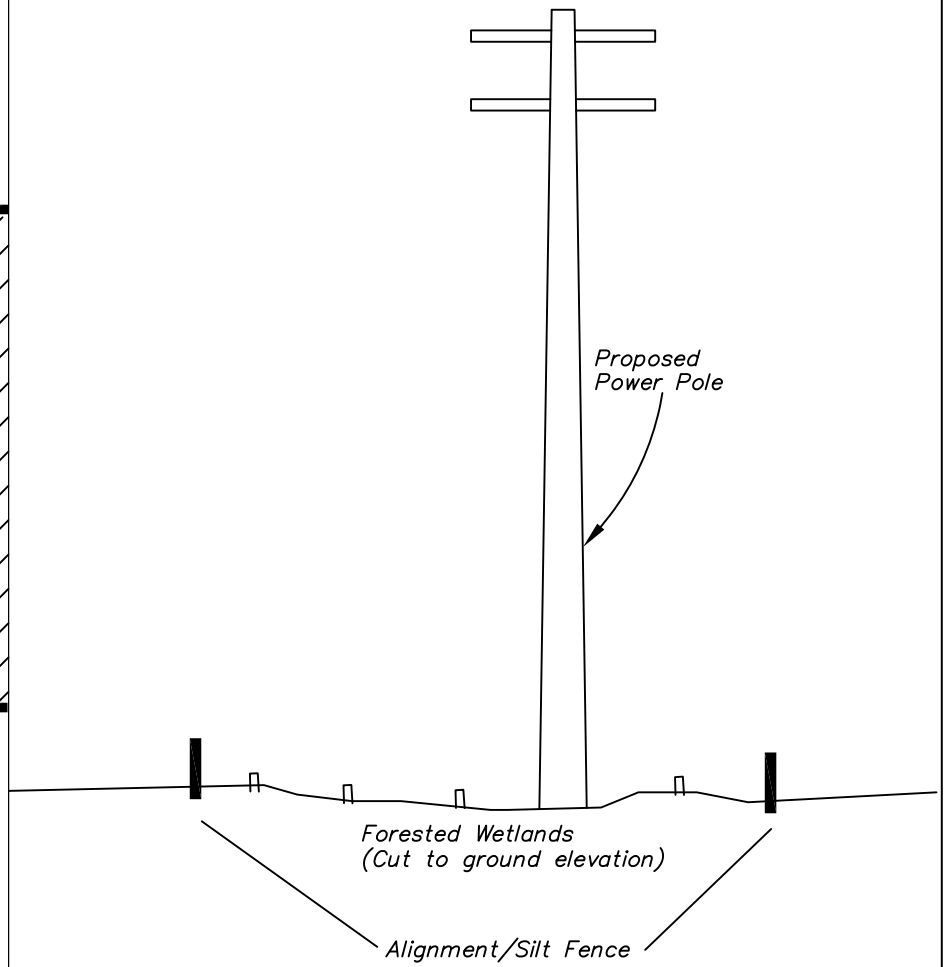
Dwn. By:
Date:
Proj. No.

WETLAND IMPACT DETAIL

TYPICAL FOR POLE 39

NTS





Forested Wetlands
(Cut to ground elevation)

PERMIT USE ONLY,
NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL 33917 Phone: 1-(800)-282-1643 or (239)995-2121

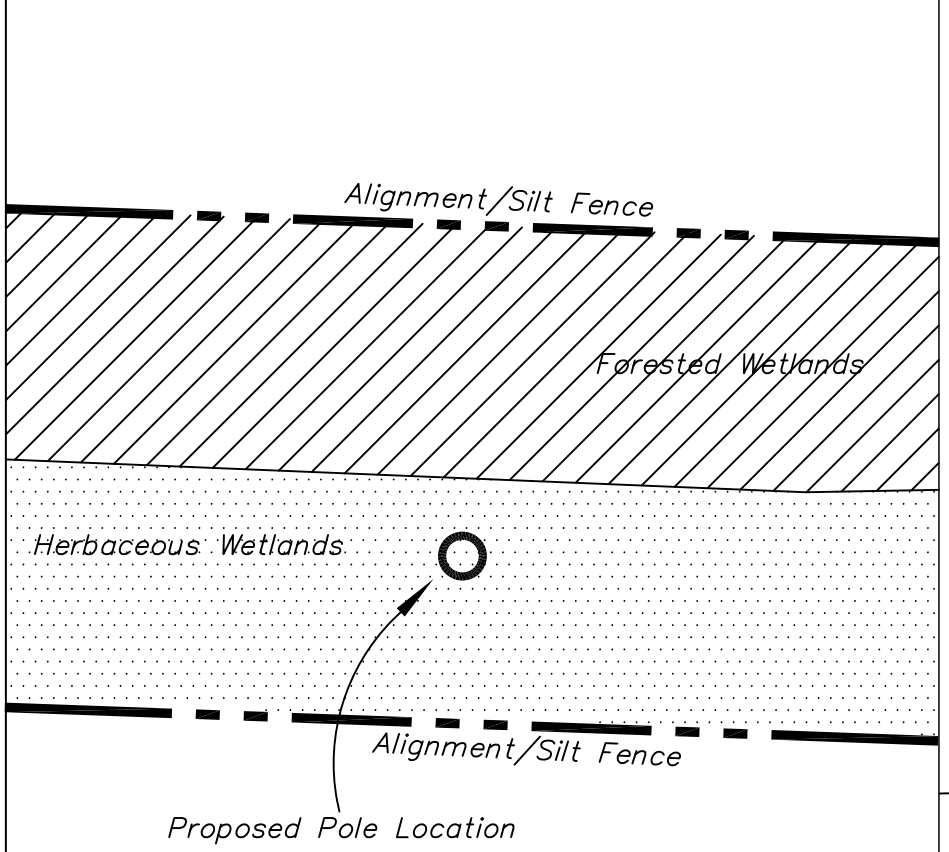
North Trail Power Line Easement

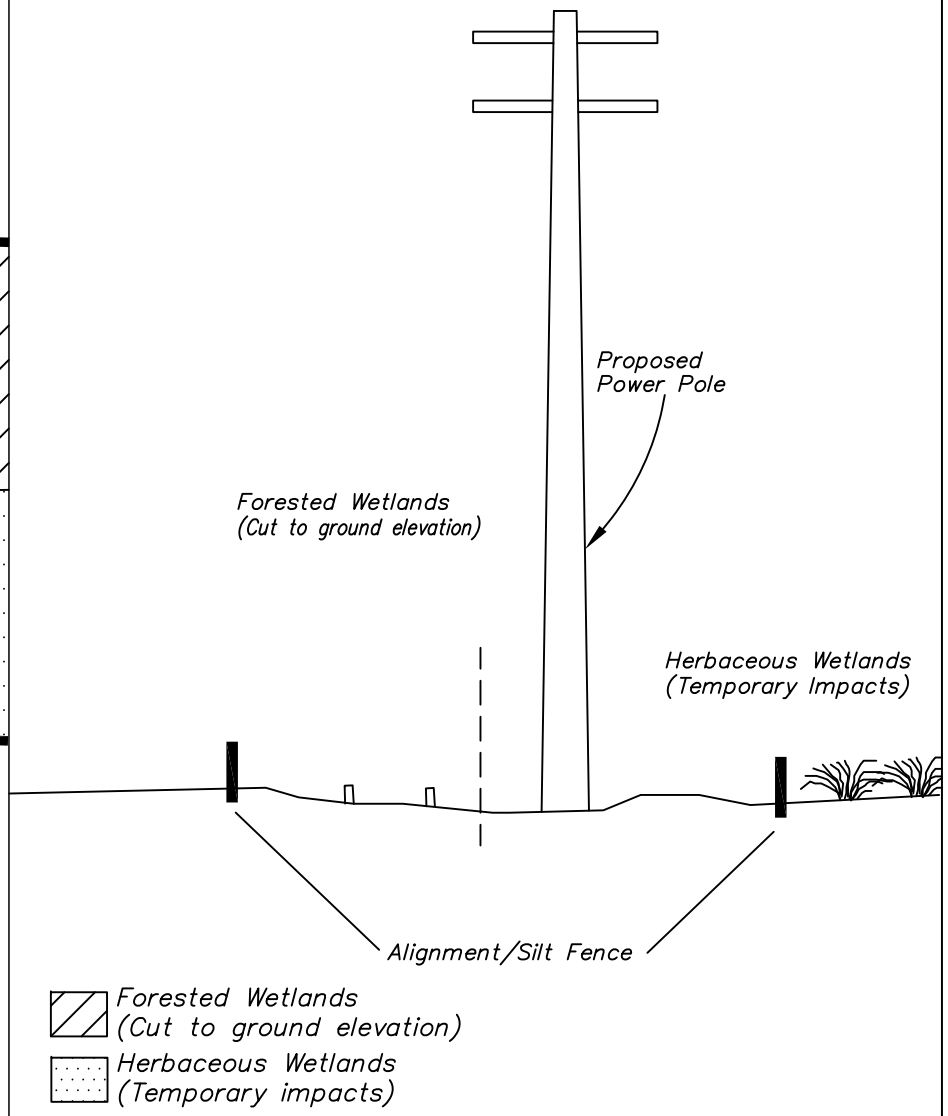
Dwn. By:
Date:
Proj. No.

WETLAND IMPACT DETAIL

TYPICAL FOR POLES 50,56-60

NTS





Notes:
1. Width of herbaceous area versus forested area varies.
2. The location of pole relative to alignment varies.

PERMIT USE ONLY,
NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL 33917 Phone: 1-(800)-282-1643 or (239)995-2121

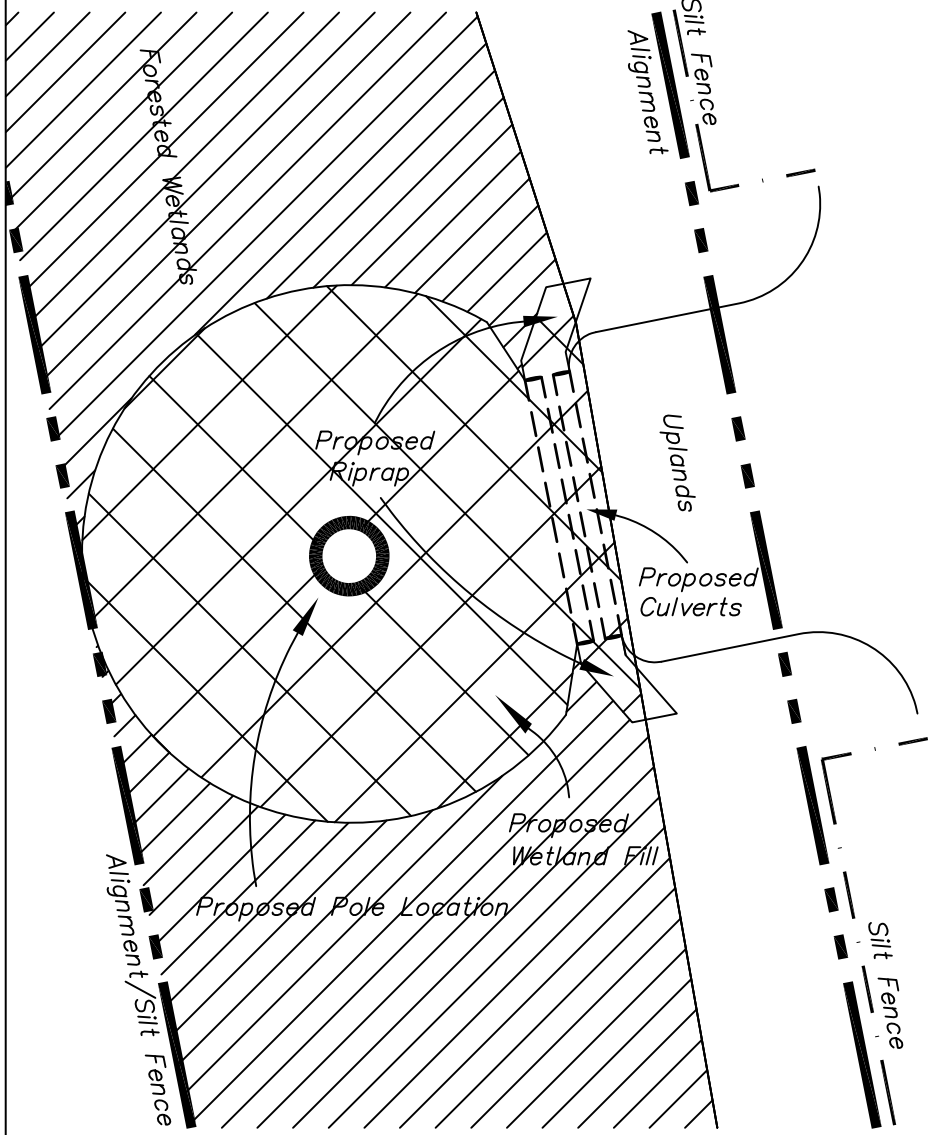
North Trail Power Line Easement

Dwn. By:
Date:
Proj. No.

WETLAND IMPACT DETAIL

TYPICAL FOR POLE 33

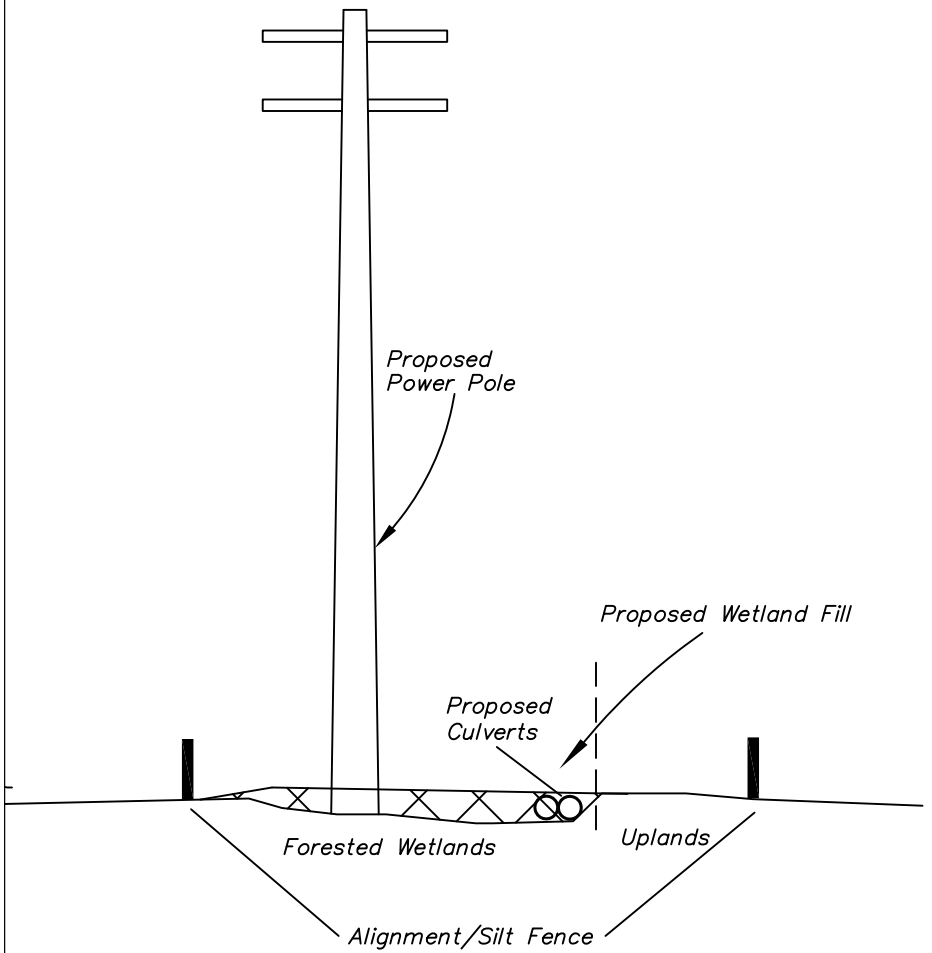
NTS



Driveway Impacts ac.)

Pole 33 Impacts

Wetland Fill 0.12



Forested Wetlands
(Cut to ground elevation)

Wetland Fill

Riprap

PERMIT USE ONLY, NOT FOR CONSTRUCTION

August 13, 2012 3:37:47 p.m.
Drawing: LCEC26.DWG

LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL 33917 Phone: 1-(800)-282-1643 or (239)995-2121

North Trail Power Line Easement

Dwn. By:

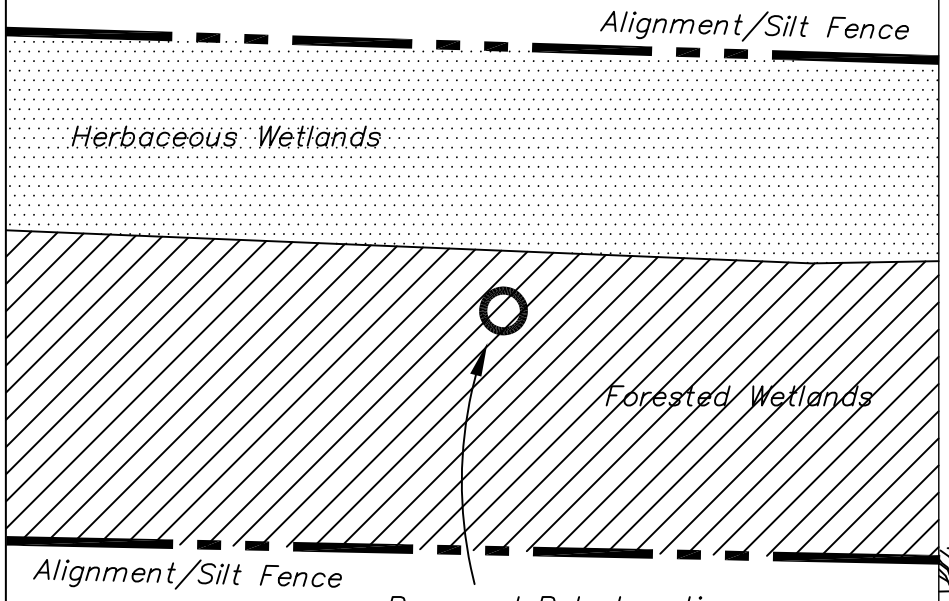
Date:

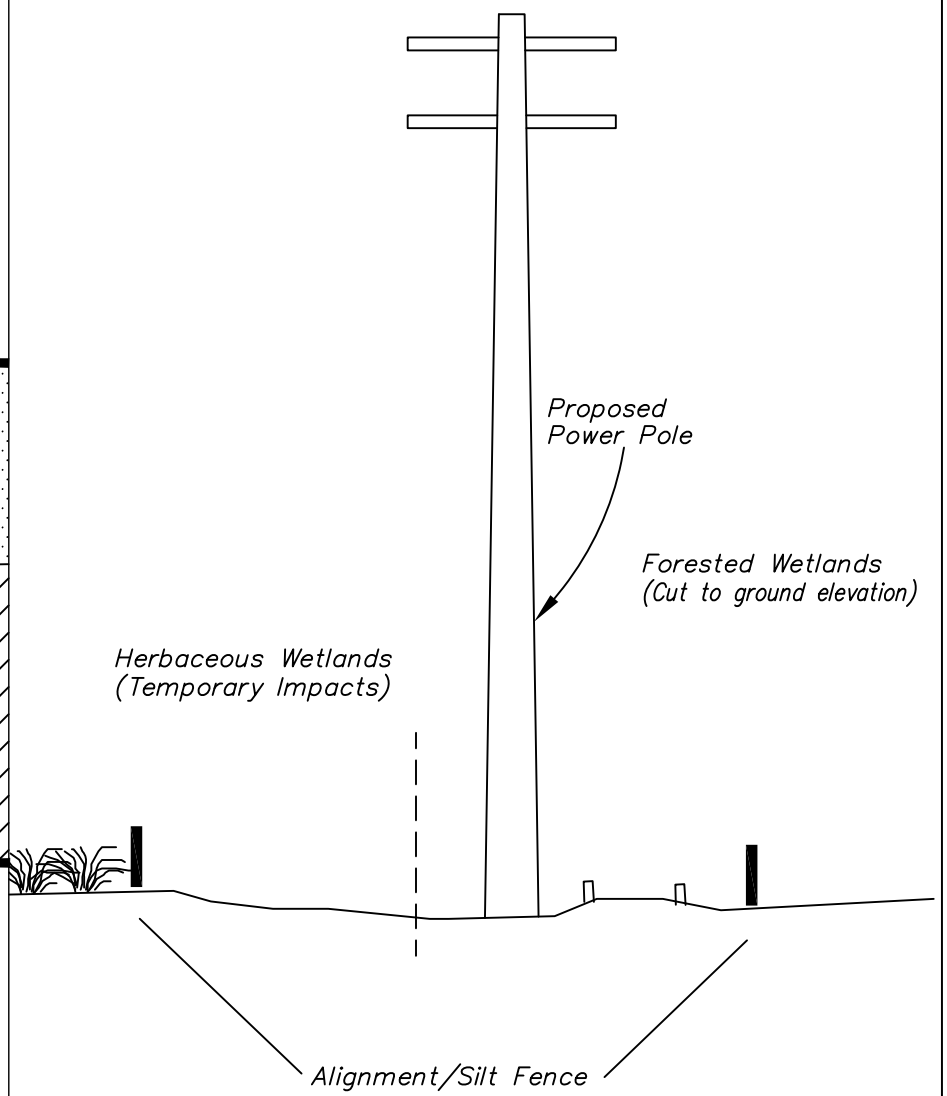
Proj. No.

WETLAND IMPACT DETAIL

TYPICAL FOR POLES 44, 47

NTS





Notes:
1. Width of herbaceous area versus forested area varies.
2. Pole location relative to alignment varies.

PERMIT USE ONLY,
NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL 33917 Phone: 1-(800)-282-1643 or (239)995-2121

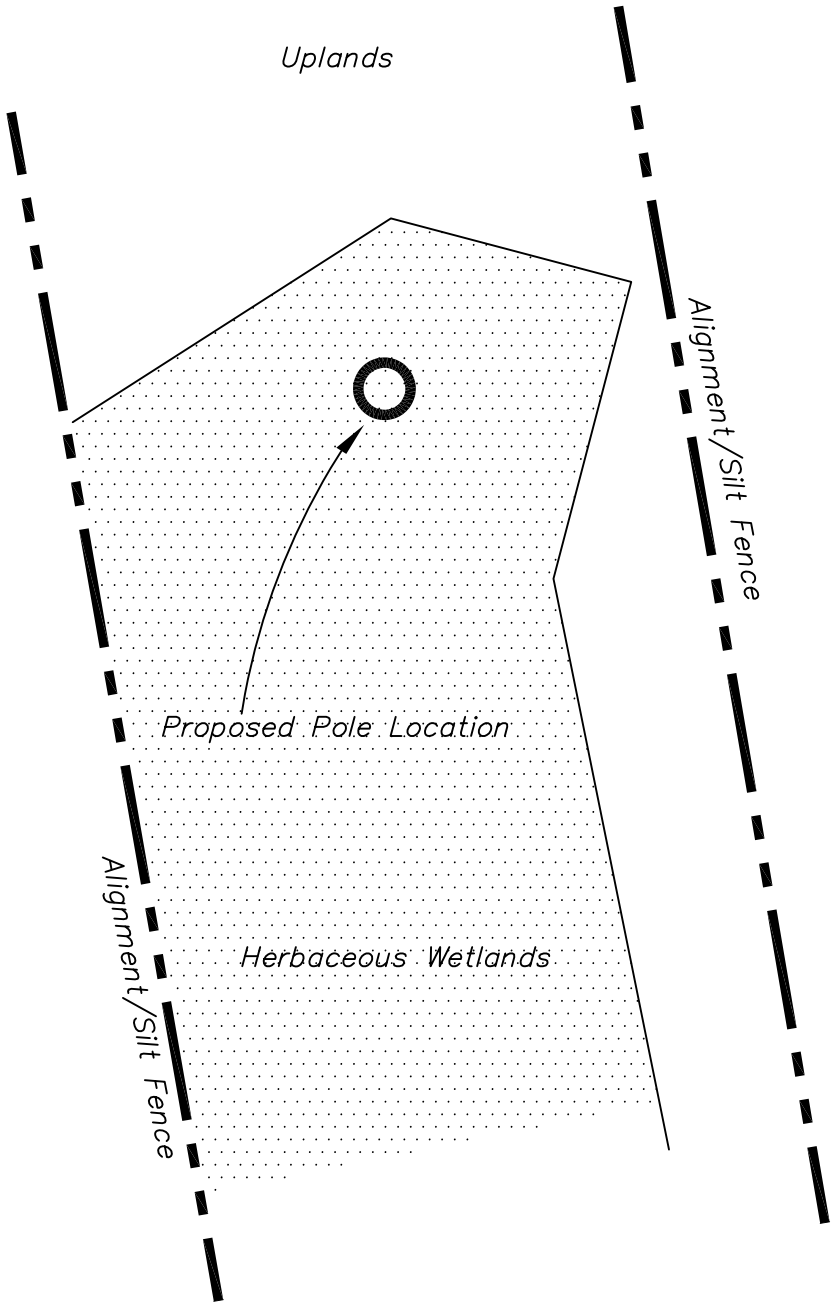
North Trail Power Line Easement

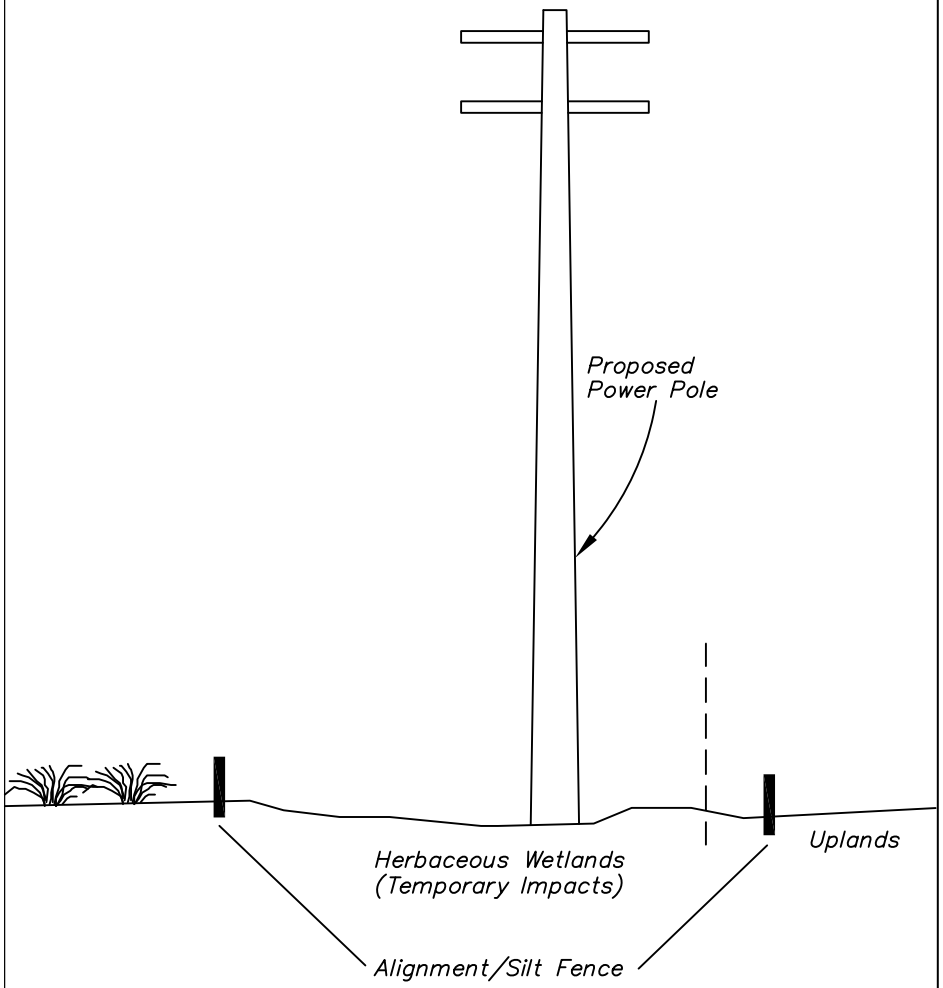
Dwn. By:
Date:
Proj. No.

WETLAND IMPACT DETAIL

TYPICAL FOR POLE 16

NTS





Herbaceous Wetlands
(Temporary impacts)

PERMIT USE ONLY,
NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL 33917 Phone: 1-(800)-282-1643 or (239)995-2121

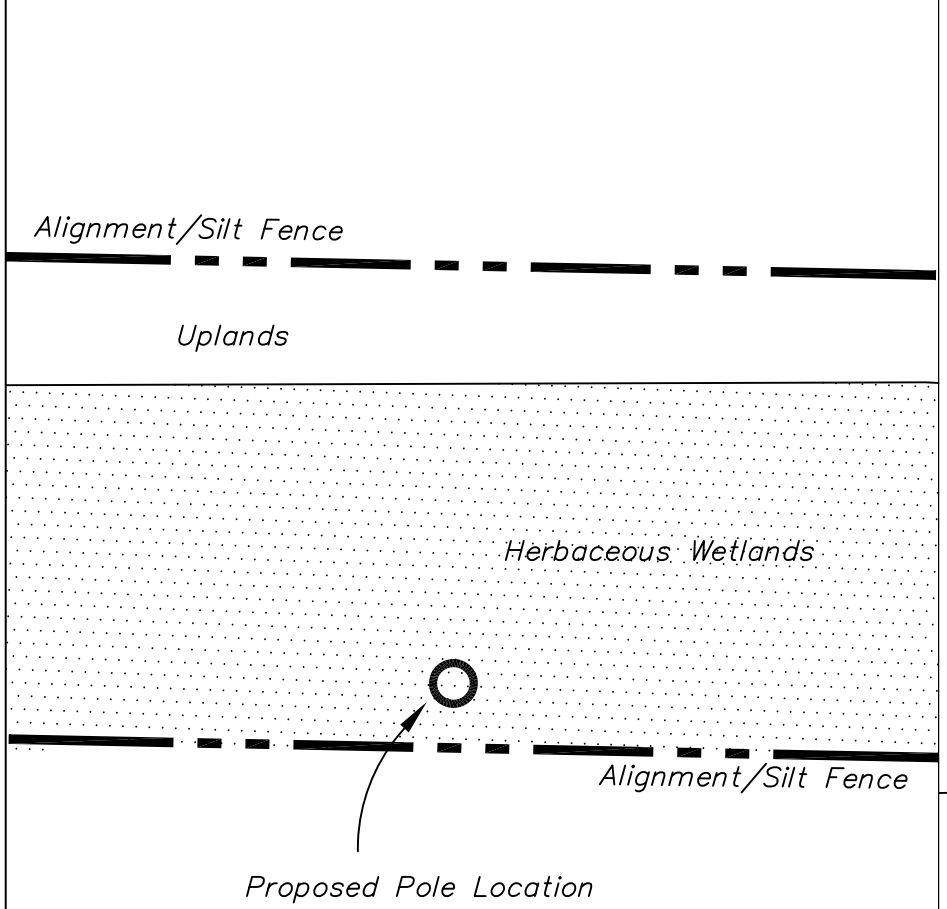
North Trail Power Line Easement

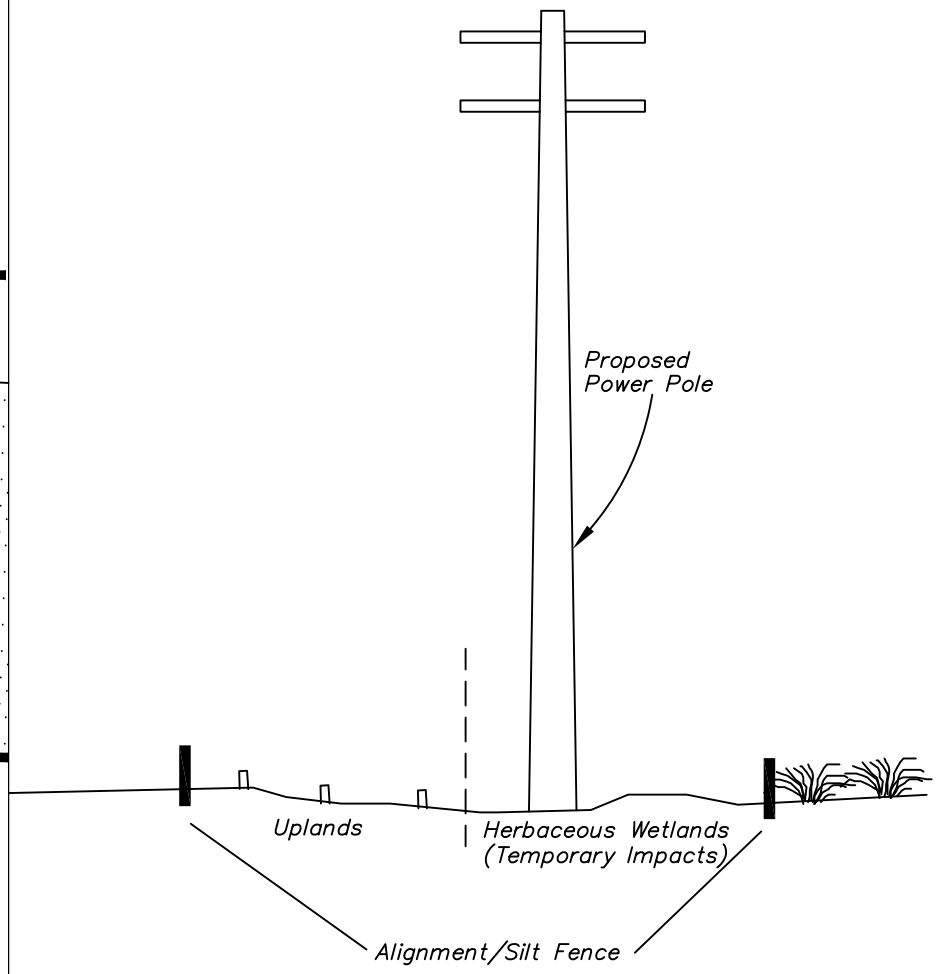
Dwn. By:
Date:
Proj. No.

WETLAND IMPACT DETAIL

TYPICAL FOR POLE 49

NTS





Herbaceous Wetlands
(Temporary impacts)

PERMIT USE ONLY,
NOT FOR CONSTRUCTION

June 28, 2012 9:23:02 a.m.
Drawing: LCEC26.DWG

LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL 33917 Phone: 1-(800)-282-1643 or (239)995-2121

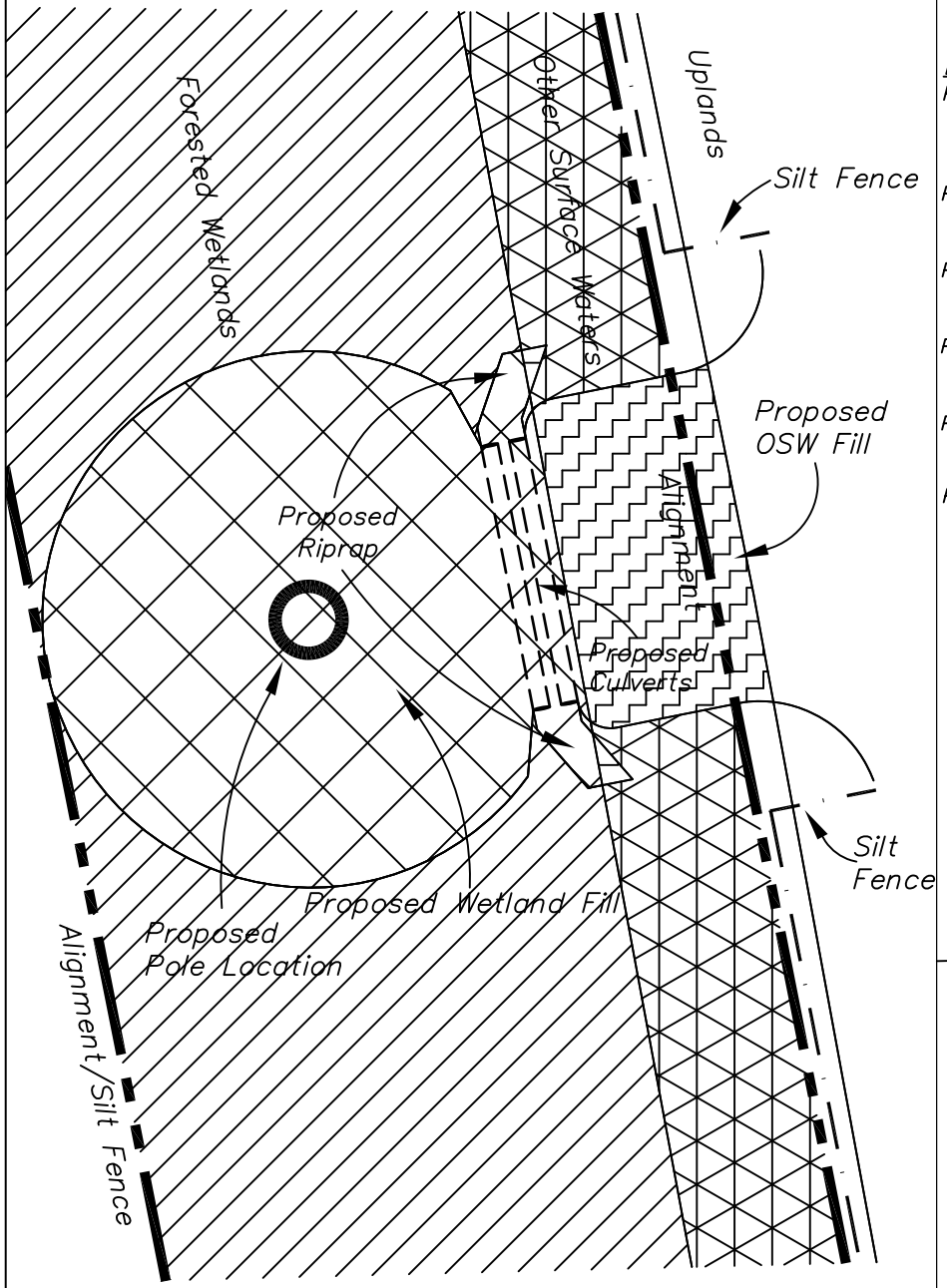
North Trail Power Line Easement

Dwn. By:
Date:
Proj. No.

WETLAND IMPACT DETAIL

TYPICAL FOR POLES 25-29,32

NTS



Driveway Impacts (ac.)

Pole 25 Impacts
- *Wetland Fill 0.12*
- *OSW Fill 0.02*
- *OSW Fill – Outside Alignment 0.02*

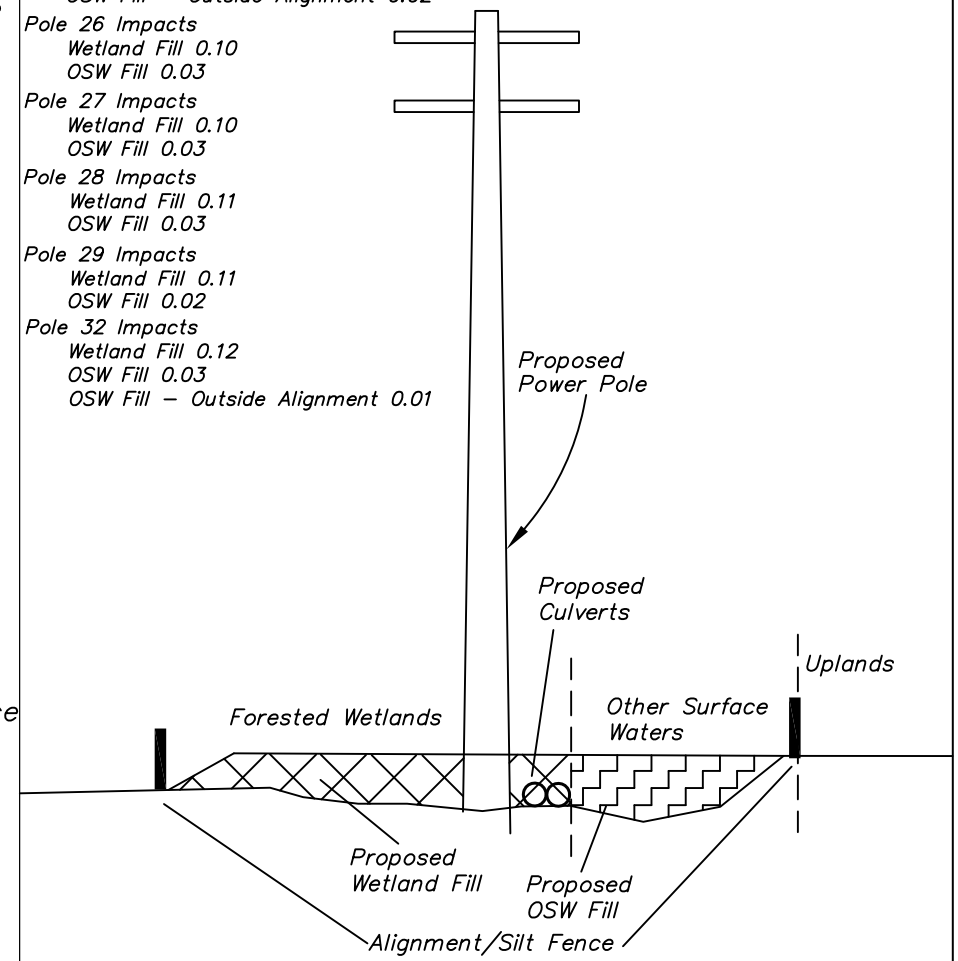
Pole 26 Impacts
- *Wetland Fill 0.10*
- *OSW Fill 0.03*

Pole 27 Impacts
- *Wetland Fill 0.10*
- *OSW Fill 0.03*

Pole 28 Impacts
- *Wetland Fill 0.11*
- *OSW Fill 0.03*

Pole 29 Impacts
- *Wetland Fill 0.11*
- *OSW Fill 0.02*

Pole 32 Impacts
- *Wetland Fill 0.12*
- *OSW Fill 0.03*
- *OSW Fill – Outside Alignment 0.01*



Notes:
1. *Width of forested area versus other surface water area varies.*
2. *Pole and fill locations relative to alignment vary.*

PERMIT USE ONLY, NOT FOR CONSTRUCTION

August 13, 2012 3:37:47 p.m.
Drawing: LCEC26.DWG

LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL 33917 Phone: 1-(800)-282-1643 or (239)995-2121

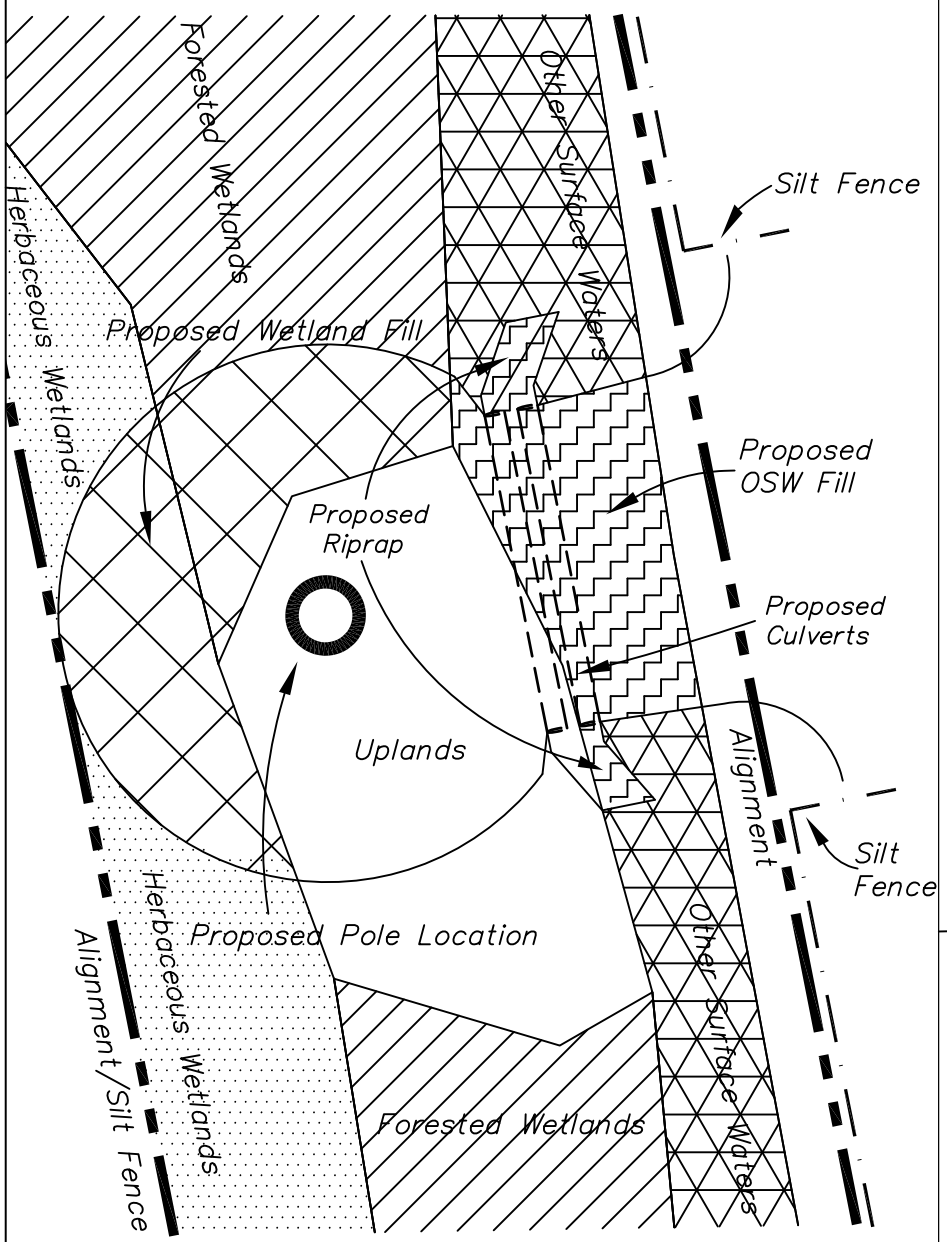
North Trail Power Line Easement

Dwn. By:
Date:
Proj. No.

WETLAND IMPACT DETAIL

TYPICAL FOR POLE 31

NTS

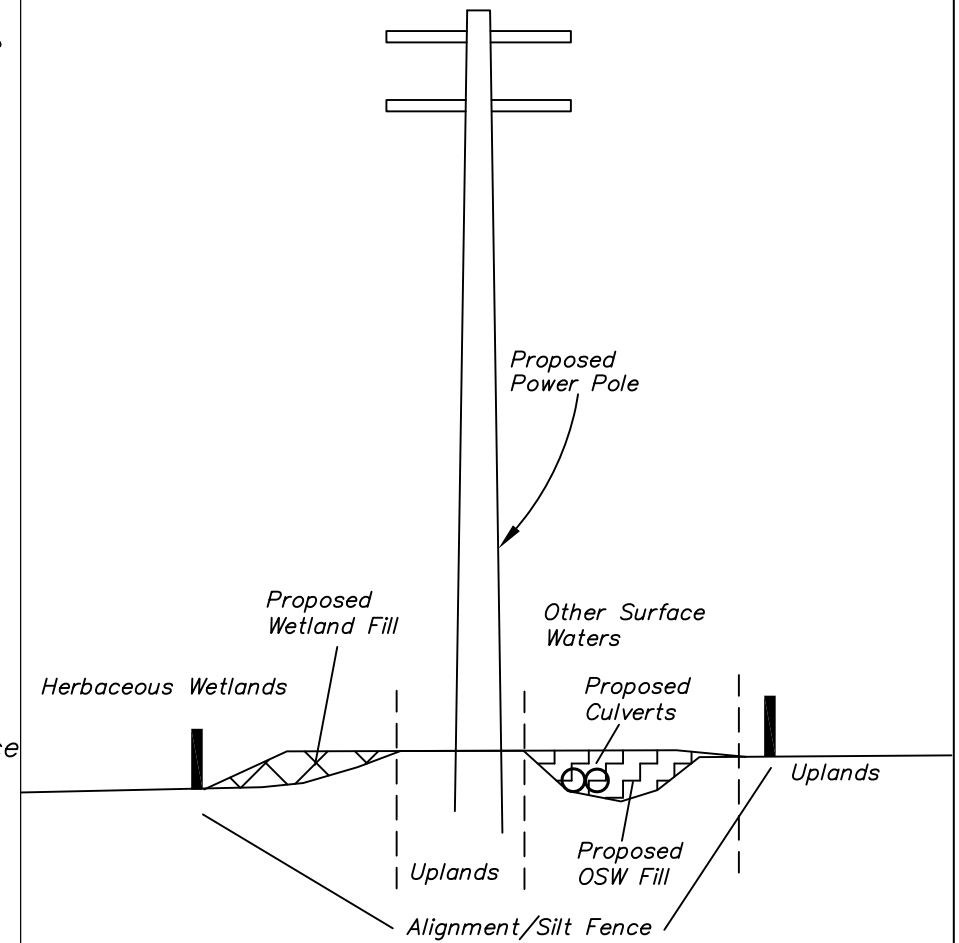


Driveway Impacts (ac.)

Pole 31 Impacts

Wetland Fill 0.05

OSW Fill 0.03



- Forested Wetlands (Cut to ground elevation)
- Herbaceous Wetlands (Temporary impacts)
- Other Surface Waters (OSW) (Temporary impacts)
- OSW Fill
- Wetland Fill
- Riprap

PERMIT USE ONLY, NOT FOR CONSTRUCTION

August 13, 2012 3:37:47 p.m.
Drawing: LCEC26.DWG

LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL 33917 Phone: 1-(800)-282-1643 or (239)995-2121

North Trail Power Line Easement

Dwn. By:

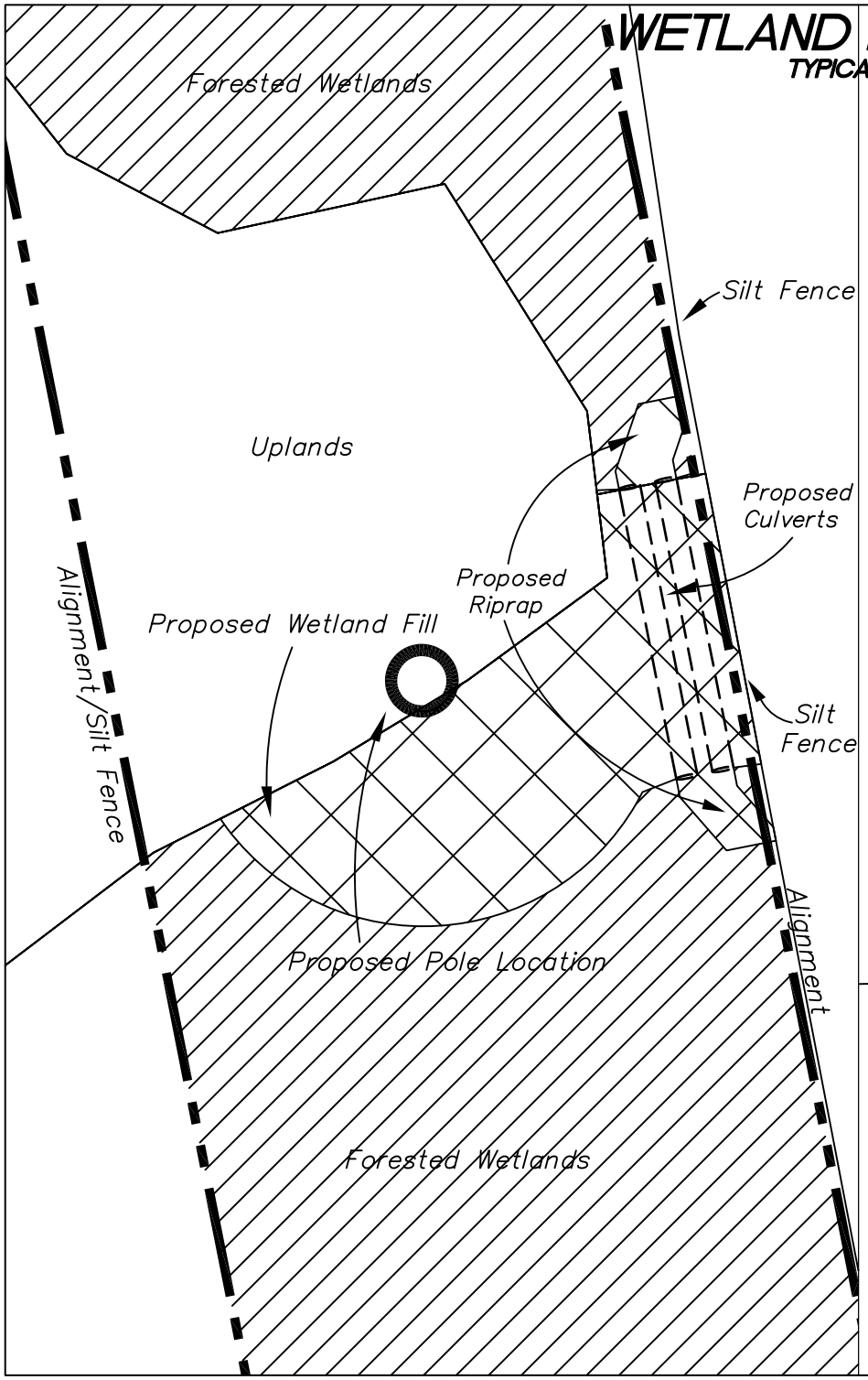
Date:

Proj. No.

WETLAND IMPACT DETAIL

TYPICAL FOR POLE 24

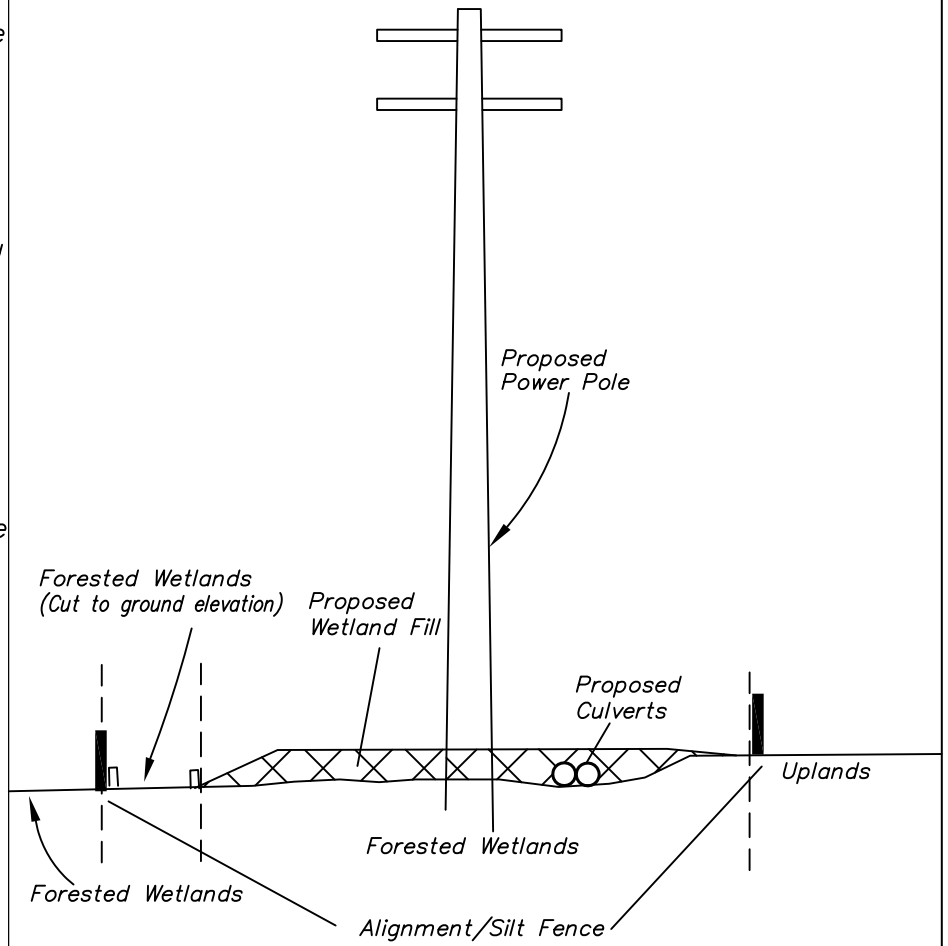
NTS



Driveway Impacts (ac.)

Pole 24 Impacts

Wetland Fill 0.07



Forested Wetlands (Cut to ground elevation)

Wetland Fill

Riprap

PERMIT USE ONLY, NOT FOR CONSTRUCTION

August 13, 2012 3:37:47 p.m.
Drawing: LCEC26.DWG

LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL 33917 Phone: 1-(800)-282-1643 or (239)995-2121

North Trail Power Line Easement

Dwn. By:

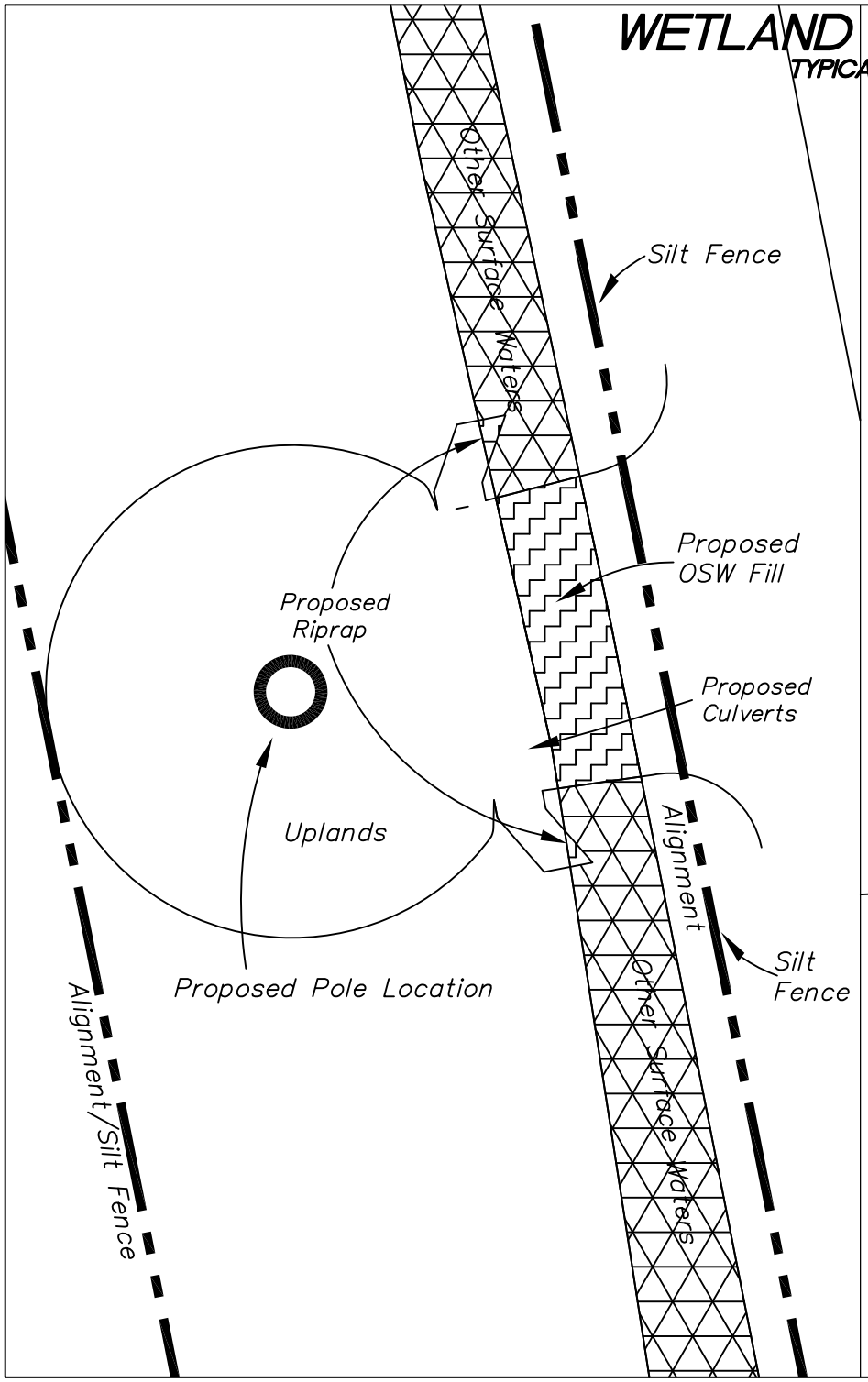
Date:

Proj. No.

WETLAND IMPACT DETAIL

TYPICAL FOR POLE 30

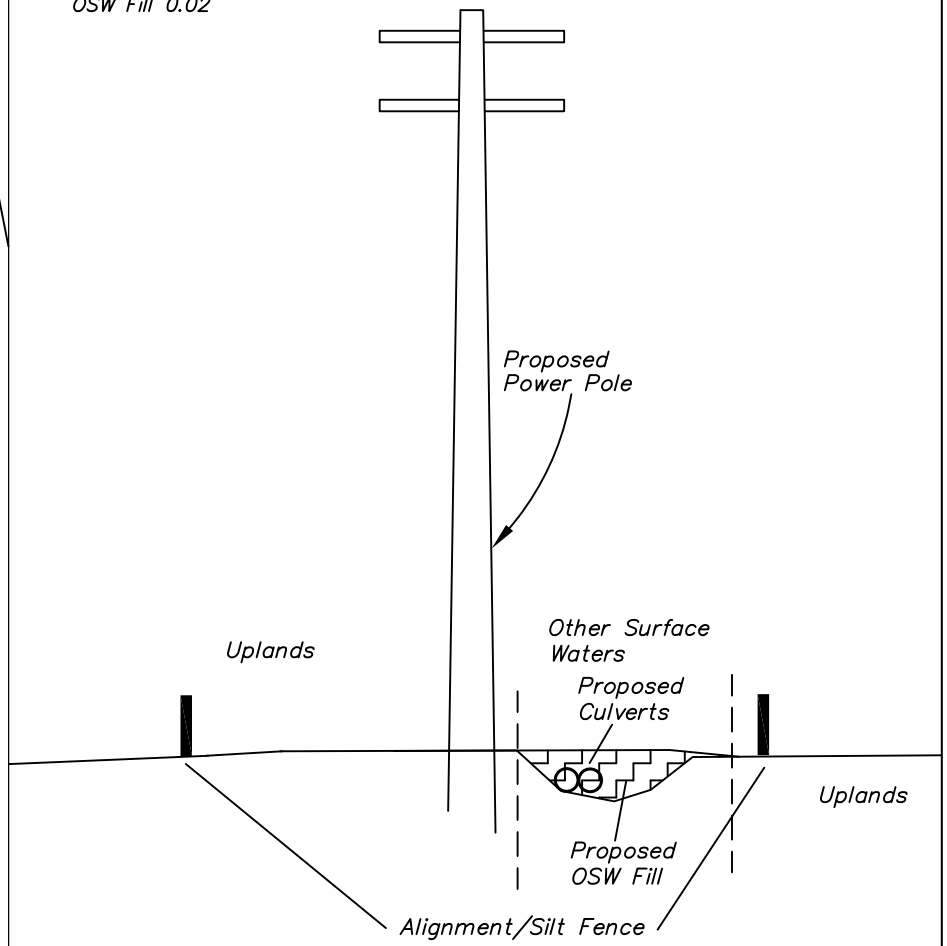
NTS



Driveway Impacts (ac.)

Pole 30 Impacts

OSW Fill 0.02



Other Surface Waters (OSW) (Temporary impacts)

OSW Fill

Riprap

PERMIT USE ONLY, NOT FOR CONSTRUCTION

August 13, 2012 3:37:47 p.m.
Drawing: LCEC26.DWG

LCEC
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 Bayline Dr., N. Ft. Myers, FL 33917 Phone: 1-(800)-282-1643 or (239)995-2121

North Trail Power Line Easement

Dwn. By:

Date:

Proj. No.