

APOPKA DEVELOPMENT REVIEW COMMITTEE AGENDA

January 24, 2024 9:00 AM

Apopka City Hall Council Chambers

FUTURE LAND USE AMENDMENT

1. Leon Property - Small Scale Future Land Use (SSFLU), 3rd Submittal

REZONING

1. Leon Property - Rezoning, 3rd Submittal

SPECIAL EXCEPTION

1. 3716 Hogshead Road Outdoor Storage - Special Exception, 2nd Submittal

SITE PLAN:

MAJOR DEVELOPMENT PLAN

1. 1291 South Orange Blossom Trail Office/Warehouse - Major Development Plan (MDP), 3rd Submittal

CONSTRUCTION SITE PLAN

1. AdventHealth Replacement Campus, Phase 2 Revision - Construction Site Plan Revision (CSP Revision), 1st Submittal
2. Wyld Oaks Infrastructure - Construction Site Plan Revision (CSP Revision), 1st Submittal

SUBDIVISION:

CONSTRUCTION SITE PLAN

1. Crossroads at Kelly Park Phase 2A - Construction Site Plan (CSP), 2nd Submittal

DISCUSSION

ADJOURNMENT

Individuals with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk at least two (2) working days in advance of the meeting date and time at (407) 703-1704. F.S. 286.0105 If a person decides to appeal any decision or recommendation made by Council with respect to any matter considered at this meeting, he will need record of the proceedings, and that for such purposes he may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

Any opening invocation that is offered before the official start of the Council meeting shall be the voluntary offering of a private person, to and for the benefit of the Council. The views or beliefs expressed by the invocation speaker have not been previously reviewed or approved by the City Council or the city staff, and the City is not allowed by law to endorse the religious or non-religious beliefs or views

of such speaker. Persons in attendance at the City Council meeting are invited to stand during the opening ceremony. However, such invitation shall not be construed as a demand, order, or any other type of command. No person in attendance at the meeting shall be required to participate in any opening invocation that is offered or to participate in the Pledge of Allegiance. You may remain seated within the City Council Chambers or exit the City Council Chambers and return upon completion of the opening invocation and/or Pledge of Allegiance if you do not wish to participate in or witness the opening invocation and/or the recitation of the Pledge of Allegiance.

Land Use Plan

Date Issued: 07/12/2021

Latest Issue: 12/19/2023

Applicant:
HalDSi
1302 Osprey Ave
Orlando, FL 32803
Contact: Jim Hall
Email: jimhall@halldsi.com
Phone: 407.257.9235

Client:
Leon David F

Po Box 770252
Winter Garden, FL
34777-0252

Sheet Index:

- Page 1: Cover
- Page 2: Aerial
- Page 3: Wetlands
- Page 4: Enviromental Conditions
- Page 5: Concept Plan
- Page 6: Land Use Plan
- Page 7: Survey

Hall Development Services Inc.

1302 Osprey Avenue Orlando, FL 32803
Ph: (407) 257-9235
Planning, Real Estate, and Entitlement Strategies
www.halldsi.com

Leon Property

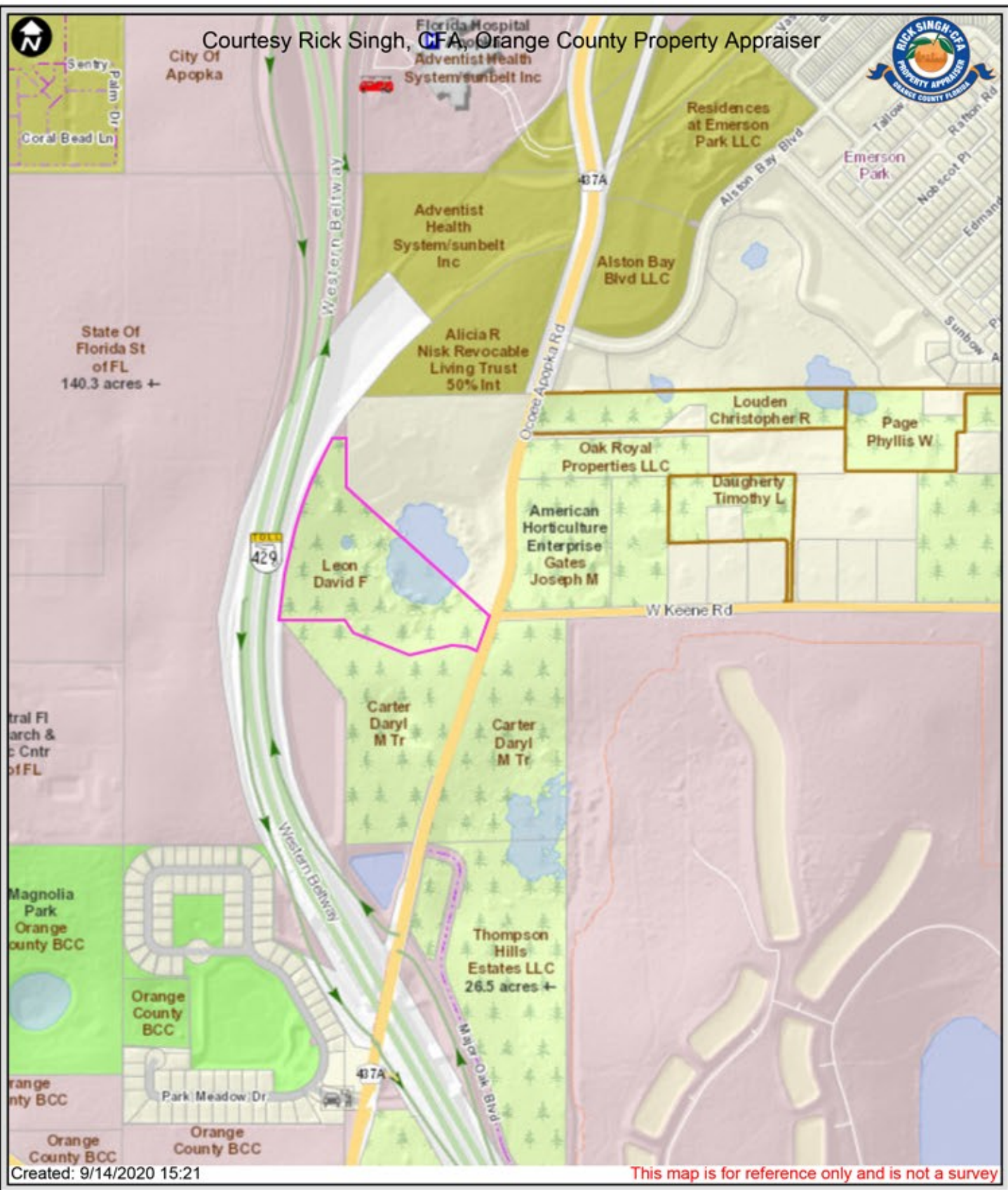
Apopka, FL

Parcel ID: 19-21-28-0000-00-005

Request: 249 residential units in midrise building

Legal Description:

PART OF SE1/4 SEC 19-21-28 & SW1/4 SEC 20-21-28 & NW1/4 SEC 29-21-28 DESC AS
BEG AE SE COR SEC 19 RUN S 28 DEG E 86.32 FT S 66 DEG E 361.46 FT N 78 DEG E
258.68 FT S 83 DEG E 96.67 FT S 69 DEG E 61.23 FT N 18 DEG E 219.46 FT N 46 DEG W
TO A PT LYING 238.63 FT S OF NW COR SW1/4 OF SW1/4 OF SEC 20 N 288 FT M/L TO
EXPWY W 83.97 FT SWLY 988.04 FT TH E 392.06 FT TO POBR



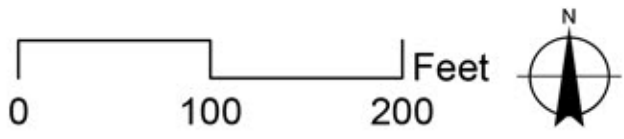
Prior Park House St. James, Barbados
Ph: (246) 421-6875
Geospatial Project Management, Application Development, Base Mapping
www.geoorbis.com



Title:
AERIAL

Project:
**LEON
PROPERTY**

Location:
APOPKA, FL



ISSUED
DATE: FOR:

KEY PLAN

Aerial Photography Source: FDOT 2017
Path: G:\20021_Leon\MXD\SiteMap_Leon24x36L.mxd

SHEET NO.

02



Bio-Tech Consulting Inc.
Environmental and Permitting Services
3025 E. South Street Orlando, FL 32803
Ph: 407-894-5969 Fax: 407-894-5970
www.bio-techconsulting.com

2510 Ocoee Apopka Road
Orange County, Florida
Figure
Wetland Map

180 Feet
Project #: 1215-296
Produced By: LPM
Date: 8/26/2021



Wetlands

Legend

- Subject Property
- Wetlands

Notes:



Topography & Floodplain

Legend

- Topography (5 ft.)
- Subject Property

Fema Flood Zones

- AE
- X

Source:
Topography - SFWMD 5 ft.
Boundary - Orange County Property Appraiser
Floodplain - Fema Flood Hazard Zone Lines
Dated June 1, 2018



Soils Map

Legend

- Subject Property
- Map Unit Symbol - Map Unit Name
- 47 - Tavares-Millhopper fine sands, 0 to 5 percent slopes
- 6 - Candler-Apopka fine sands, 5 to 12 percent slopes
- 99 - Not Classified

Source:
Soil Survey of Orange County, Florida
National Cooperative Soil Survey,
Issued August 1989



Aerial & Existing Land Use

Legend

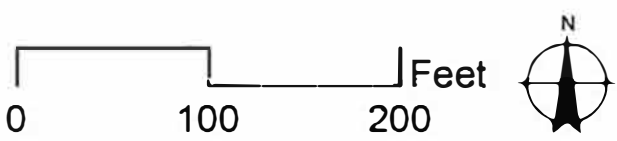
- Subject Property
- Land Use Cover
- 520 - Lakes
- 630 - Wetland Forested Mixed
- 641 - Freshwater Marshes
- 643 - Wet Prairies
- 814 - Roads and Highways

Source:
Aerial - FDOT - 2017 Orange County Orthophotos
FLUCFCS - Statewide Land Use Land Cover 2004-2017

Title:
ENVIROMENTAL
CONDITIONS

Project:
LEON
PROPERTY

Location:
APOPKA, FL



ISSUED
DATE: FOR:

KEY PLAN

Aerial Photography Source: FDOT 2017
Path: G:\20021_Leon\X\SiteMap_Leon24x36.mxd

SHEET NO.



Residential Units: 249

General Site Data		
Project Site Area	17.85 Ac	
Total Wetlands	±5.84 Ac	
Approx. Area Of Floodplain	±11.34 Ac	
Floodplain Impact ⁽¹⁾	±15,742 Cu. Yd.	2.32 Ac.
Compensating Storage	±15,765 Cu. Yd.	2.17 Ac.
Total Stormwater Provided	1.10 Ac	15%
Overall Buildable Area ⁽²⁾	8.35 Ac	
Net Buildable Area ⁽³⁾	7.25 Ac	
Buildings	4	
Parking Count ⁽⁴⁾	300 Parking Stalls	

- Notes:
- 1. Floodplain impacts doesn't include the access road.
 - 2. Overall Buildable Area includes Access Driveway.
 - 3. Net Buildable Area excludes 15% Stormwater Pond
 - 4. Per Section 5.1.6.A Parking Space Standards, the minimum number of vehicular parking spaces for a multifamily use is 1/studio and 1 bedroom for residents; 1.35 for all other units for residents; 0.1/resident space for visitors.

Legend

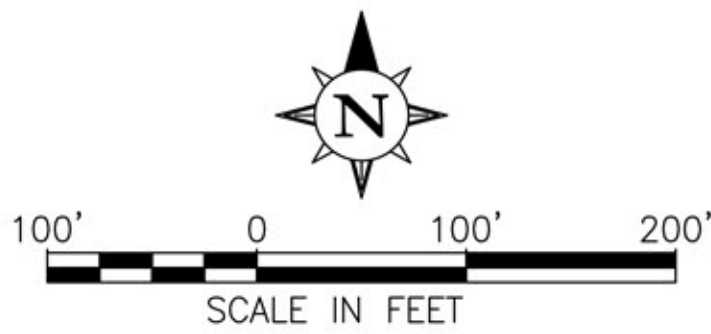
- WETLAND
- COMPENSATING STORAGE
- FLOODPLAIN IMPACT
- FLOODPLAIN LINE (ELEV. 72.0')

Hall Development Services Inc.

1302 Osprey Avenue Orlando, FL 32803
Ph: (407) 257-9235
Planning, Real Estate, and Entitlement Strategies
www.hallsdi.com

POULOS & BENNETT

www.poulosandbennett.com
Certificate of Authorization No. 28567



December 12, 2023
P & B Job No.: 22-079

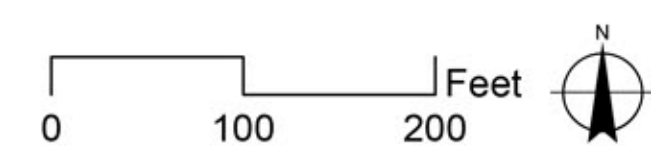
2602 E. Livingston St.
Orlando, Florida 32803- 407.487.2594

Exhibit 1



Project:
LEON
PROPERTY

Location:
APOPKA, FL



KEY PLAN

Aerial Photography Source: **FDOT 2017**

SHEET NO.

06

Page 8 of 131

<u>SITE DATUM</u>	
Gross acreage:	17.85
Net acreage:	12.07
Current Use on the Property:	Vacant
Current Future Land Use Designation:	RH
Requested Future Land Use Designation:	HDR-25
Current Zoning:	T
Requested Zoning:	PUD
Proposed Use & Development Program:	249 residential units

DEVELOPMENT PROGRAM					
Land Use	ITE	Acres	Units	Trip Gen Rate	Trips
Apartments mid rise	221	12.07	249	4.64	1,115

TE rate 221

Permitted land uses	Apartments
Prohibited uses	All other uses

Max Residential density	25 du/acre
Proposed Residential density	20.6 du/acre

SCHOOL AGE POPULATION

Land Use	Units	Elementary	Middle	High
Mid rise	249	34	16	19

Total School Children	69
-----------------------	----

DEVELOPMENT STANDARDS

Perimeter building setback	10'
Ocoee-Apopka Road building setback	18'
Beltway building setback	25'
Perimeter paving setback	7.5'

RESIDENTIAL STANDARDS

Min. living area	500 SF
Max. lot coverage	75%
Building separation	20'
Building Height	65'

Parking	1/studio and 1 bedroom for residents; 1.35 for all
Vehicle Parking	other units for residents; 0.1/resident space for visitors; 20% of spaces over 100 spaces shall be pervious
Bicycle Parking	15 spaces

Landscaping	per 5.2.5. - Landscaping and Buffer Standards B.
Tree Protection	per Section 5.3. - Tree Protection Standards
Open Space	30%

ACCESS

Ocoee-Apopka Road will provide vehicle access.

SIGNAGE

Will comply with Section 5.10. - Signs of the LDC.
Billboards shall be prohibited

PHASING

One phase

STORMWATER

Will comply with City and Water Management District standards

SERVICE PROVIDERS

Water Service	Apopka
Wastewater	Apopka

NOTES

1. Ownership of storm water management facilities shall be determined at PDP.
2. Open space to be owned and maintained by the POA.

AMENITIES

Bicycle storage, Clubhouse, Pool, Outdoor grills

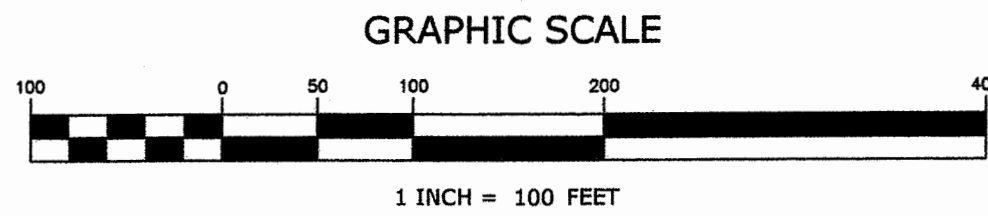
Legend

 Subject Property

 Orange County Parcels

ALTA / ACSM LAND TITLE SURVEY

HEIDRICH AND LEON PARCELS A PORTION OF SECTIONS 19, 20 AND 29, TOWNSHIP 21 SOUTH, RANGE 28 EAST ORANGE COUNTY, FLORIDA



LINE	LENGTH	BEARING
L1	84.15'(M) 84.04'(D)	N89°57'52"E(M) N89°59'13"E(D)
L2	61.20'(M) 61.23'(D)	N69°48'44"W(M) N69°52'09"W(D)
L3	96.64'(M) 96.67'(D)	N83°00'33"W(M) N83°01'06"W(D)
L4	86.19'(M) 86.32'(D)	N30°27'57"W(M) N30°33'34"W(D)

LAND AREA CALCULATIONS

21.55524 ACRES	HEIDRICH PARCEL
4.99648 ACRES	LEON PARCEL #1
12.92630 ACRES	LEON PARCEL #2
39.47800 ACRES	TOTAL AREA

SYMBOL LEGEND

- PINE TREE
- OAK TREE
- RAIN TREE
- PALM TREE
- PECAN TREE
- CAMPHOR TREE
- MAGNOLIA TREE
- WELL
- WOOD POWER POLE
- GUY ANCHOR
- IRON ROD AND CAP
- CONCRETE MONUMENT
- IRON PIPE
- BENCHMARK
- WETLANDS DELINEATION FLAG

ABBREVIATIONS

- CB CONCRETE BLOCK
- CONC CONCRETE
- (TYP) TYPICAL
- INV INVERT
- WLA WETLAND LOCATION FLAG
- EL ELEVATION
- OHV OVERHEAD WIRE
- TOL BURIED TELEPHONE LINE
- GAS BURIED GAS LINE
- RCP REINFORCED CONCRETE PIPE
- O.R.B. OFFICIAL RECORD BOOK
- PG. PAGE
- (C) CALCULATED
- (M) FIELD MEASURED
- (D) PER LEGAL DESCRIPTION
- C.C.R. CERTIFIED CORNER RECORD
- IRC IRON ROD AND CAP
- FND FOUND
- PVMT PAVEMENT
- SEC SECTION
- TWP TOWNSHIP
- RNG RANGE
- ID IDENTIFICATION
- QM CONCRETE MONUMENT
- IP IRON PIPE
- S.R. STATE ROAD
- C.R. COUNTY ROAD
- P.O.B. POINT OF BEGINNING
- P.O.C. POINT OF COMMENCEMENT
- W/W WITH

CURVE	DELTA	RADIUS	LENGTH	CH BRG
C 1	19°10'52"	1175.92'	393.66'	S08°11'43"W
C 2	20°22'18"	542.96'	193.05'	N08°40'08"E
C 3	9°18'13"(M) 9°18'24"(D)	2714.79'	440.82'(M) 440.97'(D)	N08°23'39"E(M) N08°24'59"E(D)
C 4	11°32'55"(M) 11°32'51"(D)	2714.79'	547.19'(M) 547.14'(D)	N18°51'36"E(M) N18°50'36"E(D)
C 5	3°04'34"(M) 3°04'45"(D)	2774.00'	148.93'(M) 149.08'(D)	N28°07'51"E(M) N28°11'21"E(D)

CFCs

CENTRAL FLORIDA CONSULTING SURVEYORS
629 Maitland Avenue - Altamonte Springs, FL 32701
Tel: (407) 767-0166 Fax: (407) 767-8558
email: cfc6771@cfl.rr.com
Certificate of Authorization No. LB6771

Land Use Plan

Date Issued: 07/12/2021

Latest Issue: 12/19/2023

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HalDSi
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Orlando, FL 32803
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Email: jimhall@halldsi.com
Phone: 407.257.9235

Client:
Leon David F

Po Box 770252
Winter Garden, FL
34777-0252

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Leon Property

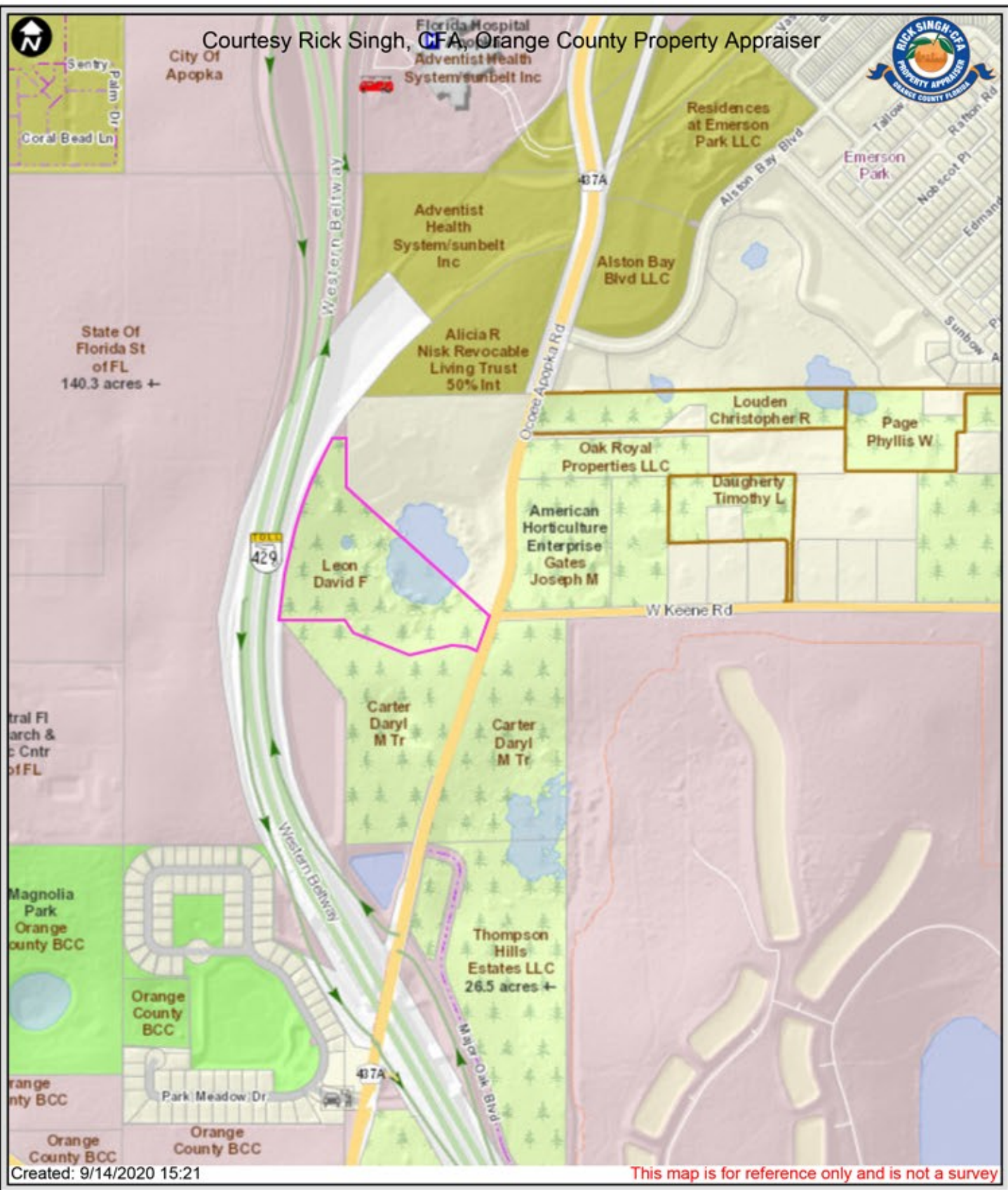
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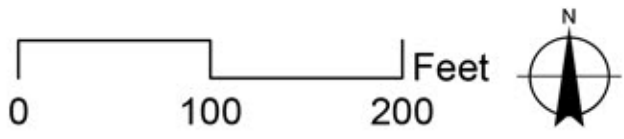
Prior Park House St. James, Barbados
Ph: (246) 421-6875
Geospatial Project Management, Application Development, Base Mapping
www.georbis.com



Title:
AERIAL

Project:
**LEON
PROPERTY**

Location:
APOPKA, FL



ISSUED
DATE: FOR:

KEY PLAN

Aerial Photography Source: FDOT 2017
Path: G:\20021_Leon\MXD\SiteMap_Leon24x36L.mxd

SHEET NO.

02



Bio-Tech Consulting Inc.
Environmental and Permitting Services
3025 E. South Street Orlando, FL 32803
Ph: 407-894-5969 Fax: 407-894-5970
www.bio-techconsulting.com

2510 Ocoee Apopka Road
Orange County, Florida
Figure
Wetland Map

180 Feet
Project #: 1215-296
Produced By: LPM
Date: 8/26/2021



Wetlands

Legend

- Subject Property
- Wetlands

Notes:



Topography & Floodplain

Legend

- Topography (5 ft.)
- Subject Property

Fema Flood Zones

- AE
- X

Source:
Topography - SFWMD 5 ft.

Boundary - Orange County Property Appraiser

Floodplain - Fema Flood Hazard Zone Lines
Dated June 1, 2018



Soils Map

Legend

- Subject Property

Map Unit Symbol - Map Unit Name

- 47 - Tavares-Millhopper fine sands, 0 to 5 percent slopes
- 6 - Candler-Apopka fine sands, 5 to 12 percent slopes
- 99 - Not Classified

Source:
Soil Survey of Orange County, Florida
National Cooperative Soil Survey,
Issued August 1989



Aerial & Existing Land Use

Legend

- Subject Property

Land Use Cover

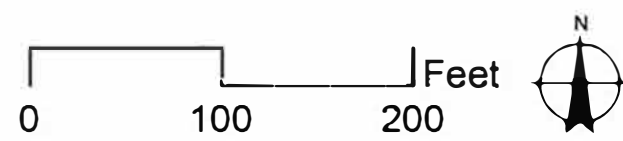
- 213 - Woodland Pastures
- 330 - Mixed Upland Nonforested
- 420 - Upland Hardwood Forests
- 520 - Lakes
- 630 - Wetland Forested Mixed
- 641 - Freshwater Marshes
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Source:
Aerial - FDOT - 2017 Orange County Orthophotos
FLUCFCS - Statewide Land Use Land Cover 2004-2017

Title:
ENVIROMENTAL
CONDITIONS

Project:
LEON
PROPERTY

Location:
APOPKA, FL



ISSUED
DATE: FOR:

KEY PLAN

Aerial Photography Source: FDOT 2017
Path: G:\20021_Leon\X\SiteMap_Leon24x36.mxd

SHEET NO.

04



Residential Units: 249

General Site Data		
Project Site Area	17.85 Ac	
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Approx. Area Of Floodplain	±11.34 Ac	
Floodplain Impact ⁽¹⁾	±15,742 Cu. Yd.	2.32 Ac.
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Net Buildable Area ⁽³⁾	7.25 Ac	
Buildings	4	
Parking Count ⁽⁴⁾	300 Parking Stalls	

- Notes:
- Floodplain impacts doesn't include the access road.
 - Overall Buildable Area includes Access Driveway.
 - Net Buildable Area excludes 15% Stormwater Pond
 - Per Section 5.1.6.A Parking Space Standards, the minimum number of vehicular parking spaces for a multifamily use is 1/studio and 1 bedroom for residents; 1.35 for all other units for residents; 0.1/resident space for visitors.

Legend

WETLAND

COMPENSATING STORAGE

FLOODPLAIN IMPACT

FLOODPLAIN LINE (ELEV. 72.0')

Hall Development Services Inc.

1302 Osprey Avenue Orlando, FL 32803
Ph: (407) 257-9235
Planning, Real Estate, and Entitlement Strategies
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POULOS & BENNETT

N

100' 0 100' 200'

SCALE IN FEET

Exhibit 1



Project:
LEON
PROPERTY

KEY PLAN

SHEET NO. _____

SHEET NO.

06

Page 15 of 13

<u>SITE DATUM</u>	
Gross acreage:	17.85
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Current Zoning:	T
Requested Zoning:	PUD
Proposed Use & Development Program:	249 residential units

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TE rate 221

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Prohibited uses	All other uses

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Proposed Residential density	20.6 du/acre

SCHOOL AGE POPULATION

Land Use	Units	Elementary	Middle	High
Mid rise	249	34	16	19

Total School Children	69
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DEVELOPMENT STANDARDS

Perimeter building setback	10'
Ocoee-Apopka Road building setback	18'
Beltway building setback	25'
Perimeter paving setback	7.5'

RESIDENTIAL STANDARDS

Min. living area	500 SF
Max. lot coverage	75%
Building separation	20'
Building Height	65'

Parking	1/studio and 1 bedroom for residents; 1.35 for all other units for residents; 0.1/resident space for visitors; 20% of spaces over 100 spaces shall be pervious
Vehicle Parking	15 spaces
Bicycle Parking	

Landscaping	per 5.2.5. - Landscaping and Buffer Standards B.
Tree Protection	per Section 5.3. - Tree Protection Standards
Open Space	30%

ACCESS

Ocoee-Apopka Road will provide vehicle access.

SIGNAGE

Will comply with Section 5.10. - Signs of the LDC.
Billboards shall be prohibited

PHASING

One phase

STORMWATER

Will comply with City and Water Management District standards

SERVICE PROVIDERS

Water Service	Apopka
Wastewater	Apopka

NOTES

1. Ownership of storm water management facilities shall be determined at PDP.
2. Open space to be owned and maintained by the POA.

AMENITIES

Bicycle storage, Clubhouse, Pool, Outdoor grills

These development standards will meet City standards:

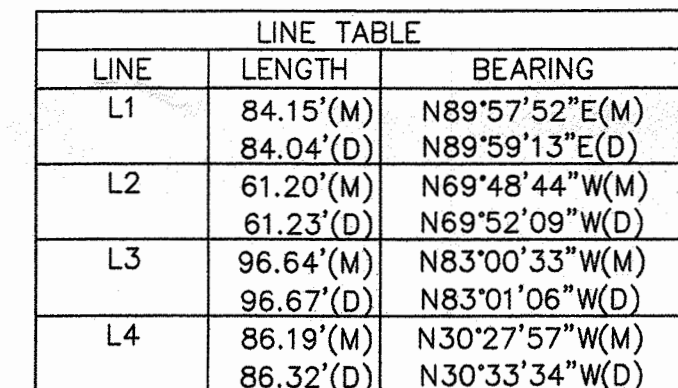
1. Off-Street Parking, Bicycle Parking, and Loading Standards;
2. Landscaping and Buffer Standards
3. Tree Protection Standards;
4. Open Space Set-Aside Standards;
5. Fences and Walls;
6. Exterior Lighting;
7. Development Design Guidelines;
8. Neighborhood Compatibility Standards, if applicable;
9. Agricultural Compatibility Standards, if applicable;
10. Signs;
11. Green Building Standards;
12. Green Building Incentives, if applicable;
13. Roads, Streets, Sidewalks, and Bikeways;
14. Utilities;
15. Guarantees and Sureties; and
16. Miscellaneous Standards

Legend

 Subject Property

 Orange County Parcels

A PORTION OF SECTIONS 19, 20 AND 29, TOWNSHIP 21 SOUTH, RANGE 28 EAST
ORANGE COUNTY, FLORIDA



LINE TABLE		
LINE	LENGTH	BEARING
L1	84.15'(M)	N89°57'52"E(M)
	84.04'(D)	N89°59'13"E(D)
L2	61.20'(M)	N69°48'44"W(M)
	61.23'(D)	N69°52'09"W(D)
L3	96.64'(M)	N83°00'33"W(M)
	96.67'(D)	N83°01'06"W(D)
L4	86.19'(M)	N30°27'57"W(M)
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21.55524 ACRES	HEIDRICH PARCEL
4.99648 ACRES	LEON PARCEL #1
12.92630 ACRES	LEON PARCEL #2
39.47800 ACRES	TOTAL AREA

CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	CH BRG
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C 2	20°22'18"	542.96'	183.05'	N02°40'08"E
C 3	9°18'13"(M)	2714.79'	440.82'(M)	N08°23'39"E
C 4	9°18'24"(D)		440.97'(D)	N08°24'59"(D)
C 4	11°32'55"(M)	2714.79'	547.19'(M)	N18°51'36"E
C 4	11°32'51"(D)		547.14'(D)	N18°50'36"E
C 5	3°04'34"(M)	2774.00'	148.93'(M)	N28°07'51"E
C 5	3°04'45"(D)		148.08'(D)	N28°11'21"E

- | | |
|---|---------------------------|
|  | PINE TREE |
|  | OAK TREE |
|  | RAIN TREE |
|  | PALM TREE |
|  | PECAN TREE |
|  | CAMPHOR TREE |
|  | MAGNOLIA TREE |
|  | WELL |
|  | WOOD POWER POLE |
|  | GUY ANCHOR |
|  | IRON ROD AND CAP |
|  | CONCRETE MONUMENT |
|  | IRON PIPE |
|  | BENCHMARK |
|  | WETLANDS DELINEATION FLAG |

- | | |
|--------|--------------------------|
| CB | CONCRETE BLOCK |
| CONC | CONCRETE |
| (TYP) | TYPICAL |
| INV | INVERT |
| WLA | WETLAND LOCATION FLAG |
| EL | ELEVATION |
| OHW | OVERHEAD WIRE |
| TEL | BURIED TELEPHONE LINE |
| GAS | BURIED GAS LINE |
| RCP | REINFORCED CONCRETE PIPE |
| C.R.B. | OFFICIAL RECORD BOOK |
| P.G. | PAGE |
| (C) | CALCULATED |
| (D) | FIELD MEASURED |
| (P) | PER FIELD DESCRIPTION |
| C.C.R. | CERTIFIED CORNER RECORD |
| IRC | IRON ROD AND CAP |
| FND | FOUND |
| P.VMT | PAVEMENT |
| SEC | SECTION |
| TWP | TOWNSHIP |
| RNG | RANGE |
| ID | IDENTIFICATION |
| CM | CONCRETE MONUMENT |
| IP | IRON PIPE |
| S.R. | STATE ROAD |
| C.R. | COUNTY ROAD |
| P.O.B. | POINT OF BEGINNING |
| P.O.C. | POINT OF COMMENCEMENT |
| /W | WITH |

CFCS

CENTRAL FLORIDA CONSULTING SURVEYORS
629 Maitland Avenue - Altamonte Springs, FL 32701
Tel: (407) 767-0166 Fax: (407) 767-8558
email: cfcsc6771@cflrr.com
Certificate of Authorization No. LB6771

0 100 200
SCALE IN FEET



- Legal Description:

Containing 2.99 acres, more or less.

SURVEYOR'S CERTIFICATION:

The Florida Board of Accountancy
 has approved this document for 1.0 CE hour.
 Date: 2022.03.21
 06:42:19 -0400

SIGNATURE _____ Date of Last Field Work 12/8/2021
Chris J. Underdahl
Florida Surveyor and Mapper No. 6372
Not valid without the signature and the original raised seal of a Florida Licensed Surveyor and Mapper.

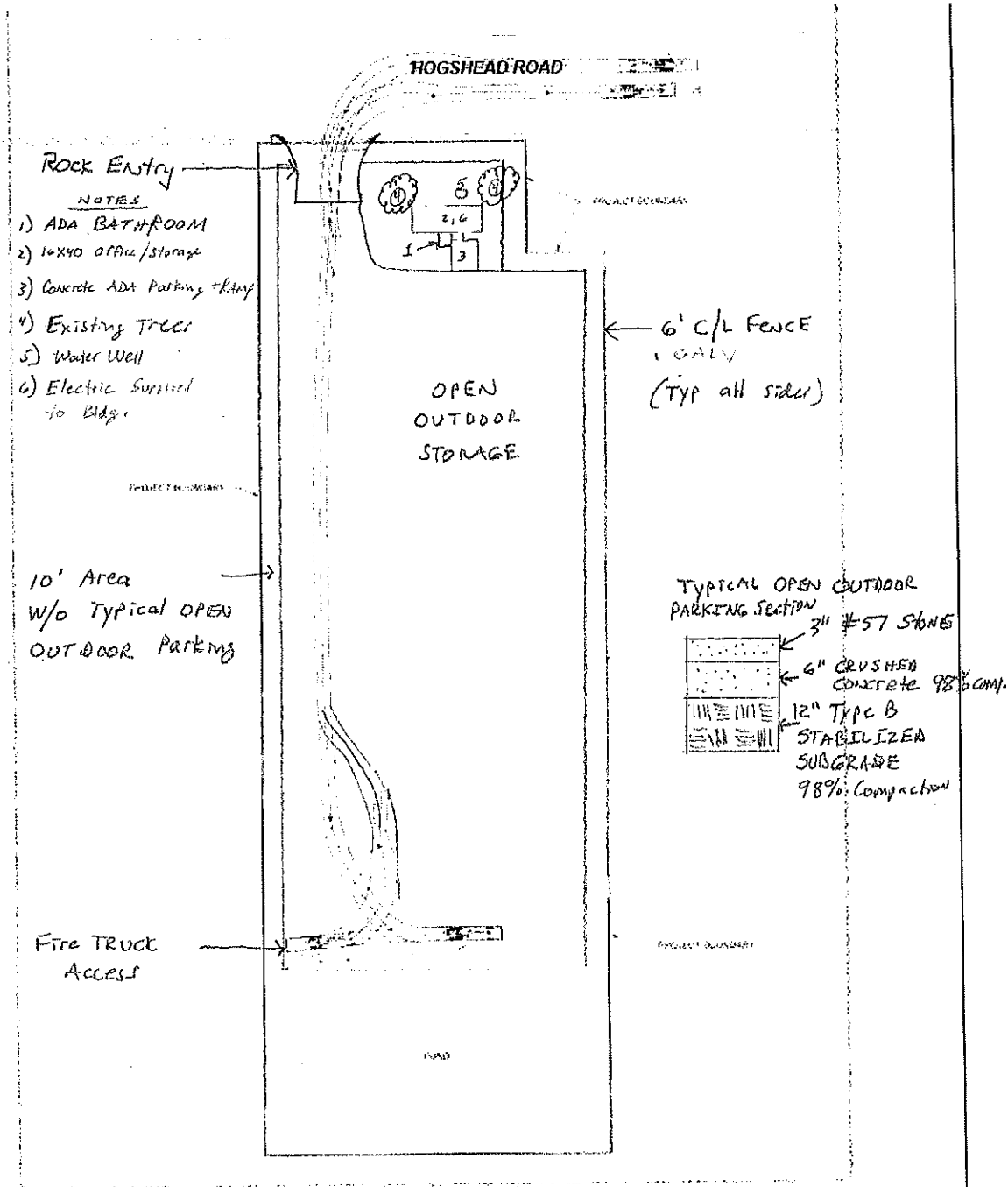
Base Line Land Surveyors, Inc.
Florida Certificate of Authorization Number 2628
(LB 2628 = Licensed Business Number 2628)

3761 Hogshead Rd
Apopka, FL 32703

BOUNDARY & TOPOGRAPHIC SURVEY



15351 AMBERBEAM BLVD.
WINTER GARDEN, FL. 34787
321.377.0390 • L.B. 262B



DESCRIPTION	DAVEN G. SMITH FLORIDA RES. NUMBER 48274	3716 HOGSHEAD ROAD APOPKA, FLORIDA	DATE: FEBRUARY 2022
			PROJECT NO.: 340-2
			DRAWN BY: JCK
			CHECKED BY: DMS
			SCALE: 1" = 40'
REFERENCE			SHEET: 09 OF 12

PARKING CHART

SIGNAGE

NO GROUND SIGNAGE IS PROPOSED.
ALL SIGNAGE SHALL BE ON THE SIDES
OF THE STRUCTURES AND PER CITY
OF APOPKA CODE.

338 TRIPS

ITE TRIP GENERATION HANDBOOK
CODE 151, 10TH EDITION

TRAFFIC COUNTS

GREEN BUILDING STANDARDS

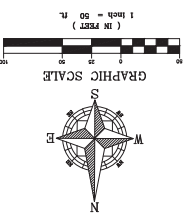
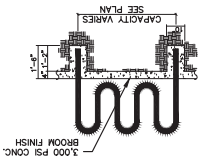
SITE SHALL BE CONSTRUCTED IN A SINGLE PHASE.

P.O.0

SITE NOTES	
1	SIDEWALK RAMP
2	FDOT TYPE D CURB
3	SIDEWALK
4	ASPHALT PAVEMENT
5	CONCRETE SIDEWALK
6	CONCRETE PAVEMENT
7	BIKE RACK (4 BIKES)
8	FIRE HYDRANT
9	LOADING ZONE
10	RETAIL DUMPSTER ENCLOSURE
11	FIRE DEPARTMENT CONNECTION
12	WHEEL STOP

5	PEDESTRIAN CROSSWALK
4	ACCESSIBLE PAVEMENT SYMBOLS WITH ACCESSIBLE SIGN
3	PAVEMENT STRIPING (4" WHITE)
2	24" WIDE WHITE STOP BAR W/ 24" STOP SIGN (R1-1)
1	DIRECTIONAL ARROWS

PAVEMENT MARKINGS & SIGNAGE



**1291 SOUTH ORANGE BLOSSOM TRAIL
SITE PLAN
CITY OF APOPKA, FLORIDA**



RCE
Consultants
Engineering Real Solutions

12.2023	
DRAWN: LIMP CHECKED: LIMP	
SHEET:	C-3.0
DATE:	APRIL 2023
SCALE:	1"=50'
SITE PLAN	

1/7/2024

ENGINEER OF RECORD

456734

Lawrence Pugh

This form has been electronically signed

dated by Lawrence Pugh, P.E., on the date

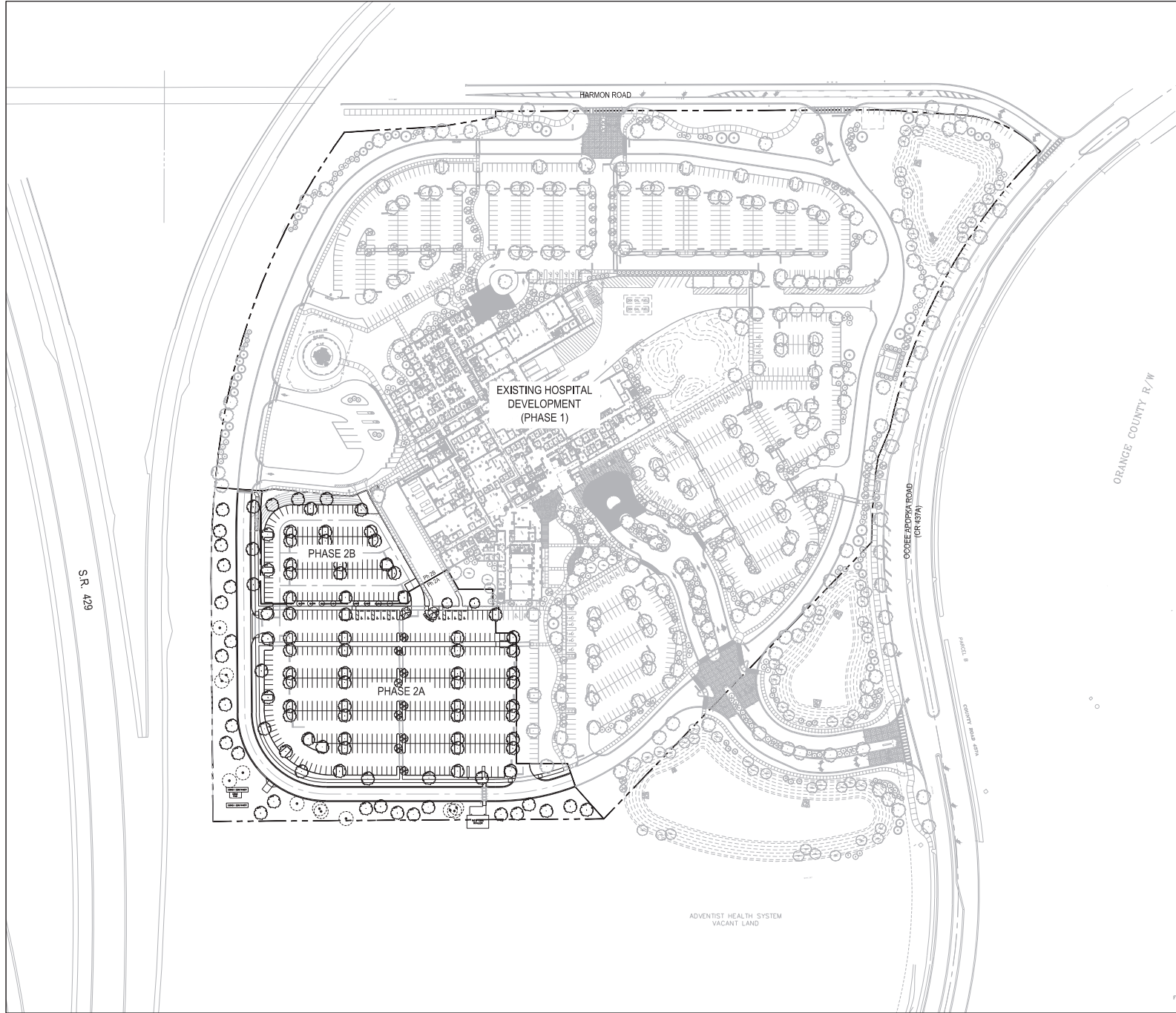
indicated using a digital signature was not

contaminated signed and sealed and the signat

must be verified on my electronic copy.

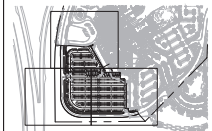
RCE CONSULTANTS, LLC
617 Avenue Drive
Altamonte Springs, FL 32701
Phone No. 407-452-8633
FAX No. 407-452-8633
E-MAIL: RCECONSULTANTS.NET

[illegible]



LEGEND

KEY MAP



1" = 80'-0"
0 40 80 160'



edsa
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN
801 N. ORANGE AVENUE, SUITE 200
ORLANDO, FLORIDA 32811 USA
TEL 407.664.3070 F 407.664.3091

CIVIL ENGINEER
DONALD W. MCINTOSH ASSOCIATES, INC.
200 PARK AVENUE NORTH
WINTER PARK, FL 32789-2355
P 407.664.4008

IRRIGATION ENGINEER
PREVOIST STAMPER, INC.
400 EDWARDS STREET, SUITE 7102
CELEBRATION, FLORIDA 34747
P 407.564.5029

Seals



FLORIDA HOSPITAL APOPKA PHASE 2

1901 HARMON ROAD | APOPKA, FLORIDA 32703

DOCUMENT CHANGES

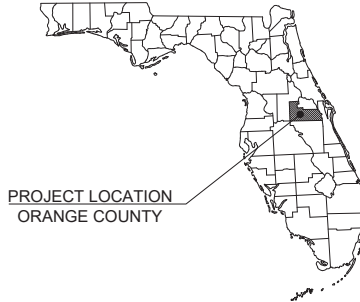
Description	Date
REVISION 01	12/22/23

Issue Description	PERMIT SET
Original Issue Date	04.26.23
Project No	EC230034
Drawn By	XJD
Checked By	JYP
Drawing Title	

OVERALL PROJECT SITE PLAN

Sheet Number
L0-0-02

CONSTRUCTION PLANS FOR WYLD OAKS INFRASTRUCTURE LOCATED IN CITY OF APOPKA, FLORIDA SECTION 13, TOWNSHIP 20S, RANGE 27E



PROJECT LOCATION
ORANGE COUNTY

PROJECT TEAM

OWNER/DEVELOPER

JOSEPH B. BENINATI
KELLY PARK VB DEVELOPMENT, LLC
660 BEACH BLVD, SUITE 301
VERO BEACH, FL 32963
P: (202) 496-9336
E: JBB@FAMILYOFFICE.COM

SURVEYOR

JAMES L. RICHMAN
ALLEN & COMPANY
16 EAST PLANT STREET,
WINTER GARDEN, FLORIDA 34787
P: (407) 654-5355 EXT. 102
E: JLR@ALLEN-COMPANY.COM

GEOTECHNICAL CONSULTANT

WILLIAM L. FOX, P.E.
SAME, INC.
1615 EDGEWATER DRIVE
SUITE 200 ORLANDO, FL 32804
P: (407) 975 1273
E: BFOX@SMEINC.COM

CIVIL ENGINEER

KEVIN ROBERSON, P.E.
KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200
VERO BEACH, FLORIDA 32960
P: (772) 794-4100
FAX: (772) 794-4130
E: KEVIN.ROBERSON@KIMLEY-HORN.COM

LANDSCAPE ARCHITECT

ED LINGQUIST
KIMLEY-HORN AND ASSOCIATES, INC.
169 SOUTH ORANGE AVENUE SUITE
1000 ORLANDO, FL 32801
P: 407-789-2221
E: ED.LINGQUIST@KIMLEY-HORN.COM

ENVIRONMENTAL CONSULTANT

SHELBY DENBRINK
KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200
VERO BEACH, FLORIDA 32960
P: (772) 794-4037
E: SHELBY.DENBRINK@KIMLEY-HORN.COM

UTILITY COMPANIES

ELECTRIC

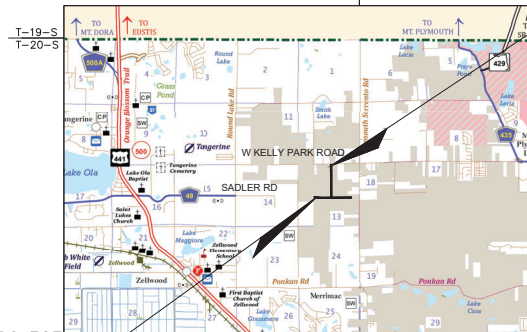
DUKE ENERGY
ELIZABETH GODWIN
P: (800) 778-9140
E: ELIZABETH.GODWIN@DUKE-ENERGY.COM

GAS

LAKE APOPKA NATURAL GAS
EVERETT HOLMS
P: (407) 410-7024
E: E.HOLMES@LANGD.ORG

TELEPHONE

CENTURY LINK
CHUCK PETERSON
P: (407) 716-3266
E: CHARLES.E.PETERSON@LUMEN.COM

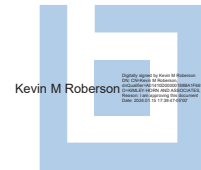


BEGIN PROJECT
SADLER RD STA. 0+11.93

END PROJECT
EFFIE DR STA. 26+31.86

VICINITY

N.T.S.



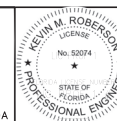
PREPARED BY:

Kimley»Horn

WYLD OAKS INFRASTRUCTURE
PREPARED FOR
KELLY PARK VB DEVELOPMENT, LLC

CITY OF APOPKA

FLORIDA



PLANS INDEX

SHEET NUMBER	SHEET TITLE
I	KEY SHEET
II	PROJECT LAYOUT
III	TYPICAL SECTION
IV	GENERAL NOTES
01-06	SADLER ROAD ROADWAY PLAN
07-11	EFFIE DRIVE ROADWAY PLAN
11A	ROADWAY TYPICAL DETAILS
12-17	SADLER ROAD ROADWAY PROFILES
18-22	EFFIE DRIVE ROADWAY PROFILES
23-25	SADLER ROAD CROSS SECTIONS
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35-39	EFFIE DRIVE SIGNING AND PAVEMENT MARKINGS
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46-50	EFFIE DRIVE EROSION CONTROL
51	EROSION CONTROL NOTES
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58-62	EFFIE DRIVE LIGHTING PLANS
63	GENERAL LIGHTING NOTES AND DETAILS
64	MAINTENANCE OF TRAFFIC NOTES



CITY OF APOPKA PROJECT NARRATIVE:

THE FOLLOWING PLANS ARE FOR THE EXTENSION OF
CURRENT PUBLIC ROADWAYS NAMED SADLER ROAD
AND EFFIE DRIVE. THESE MENTIONED ROADWAYS WILL
BE OWNED BY THE CITY OF APOPKA WHICH WILL
SERVE THE WYLD OAKS DEVELOPMENT. THE SCOPE OF
WORK WILL INCLUDE BUT NOT BE LIMITED TO: FINE
GRAVING OF ROADWAYS AND INSTALLATION OF
ASPHALT CURBING, INSTALLATION OF GAS UTILITIES,
INSTALLATION OF COMBINATION UTILITY, INSTALLATION
OF UNDERGROUND POWER, EXTENSION OF CITY
FORCE MAIN, EXTENSION OF CITY WATER MAIN,
EXTENSION OF CITY RECLAIM MAIN, LIGHTING,
ESTABLISHING FUTURE DRIVEWAY CONNECTIONS, AND
INSTALLATION OF SIGNAGE AND STRIPING.

THE PRESENCE OF GROUNDWATER SHOULD BE
ANTICIPATED ON THIS PROJECT. CONTRACTORS
SHOULD INCLUDE CONSIDERATION FOR
ADDRESSING THIS ISSUE.



Call 811 or www.sunshine11.com two full
business days before digging to have utilities
located and marked.

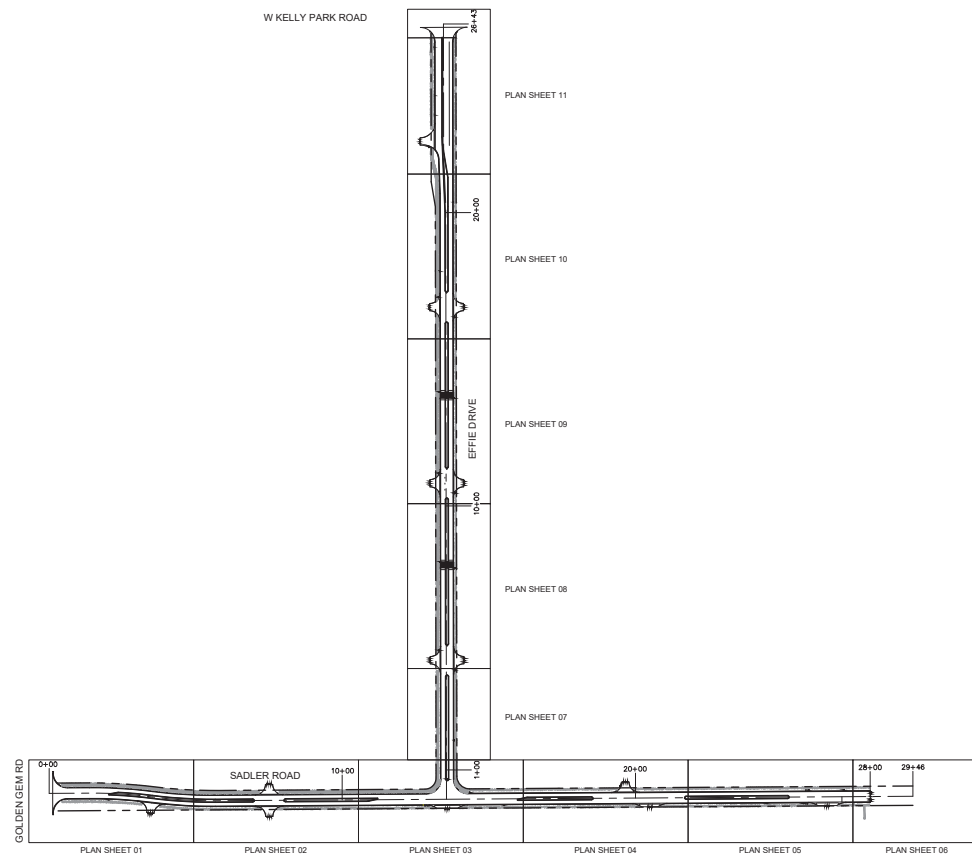
Check positive response codes before you dig!

SHEET NUMBER

I

KEY SHEET

1/15/24

[illegible]

Kimley»Horn © 2023 KIMLEY-HORN AND ASSOCIATES, INC. 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960 PHONE: 772-794-4100 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106	KHA PROJECT 147864000
	DATE 02/03/23
	SCALE AS SHOWN
	DESIGNED BY _____
	DRAWN BY _____
CHECKED BY _____	

WYLD OAKS INFRASTRUCTURE

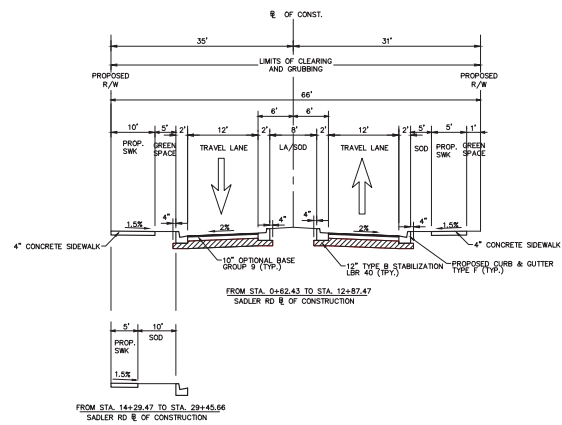
PREPARED FOR

KELLY PARK VB DEVELOPMENT, LLC

CITY OF APOPKA FLORIDA

PROJECT LAYOUT	SHEET NUMBER II
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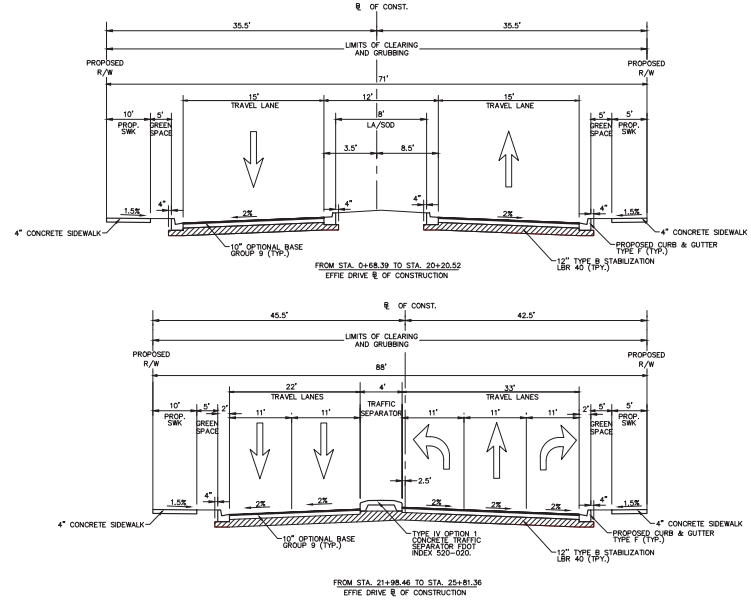
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This document, together with the concepts and designs presented herein, is an instrument of service, is prepared only for the specific purpose and client for which it was prepared, and is not to be used for any other purpose without the written authorization and signature of Kimley-Horn and Associates, Inc. and be without liability to Kimley-Horn and Associates, Inc.



SADLER ROAD TYPICAL SECTION
N.T.S.

- PAVEMENT DESIGN
- 1" TYPE SP-9.5 ASPHALTIC CONCRETE (TRAFFIC C)
 - 2" TYPE SP 12.5 ASPHALTIC CONCRETE STRUCTURAL COURSE
 - 10" OPTIONAL BASE GROUP 9
 - 12" TYPE B STABILIZATION LBR 40

DESIGN SPEED = 40 MPH
POSTED SPEED = 35 MPH



EFFIE DRIVE TYPICAL SECTIONS
N.T.S.

- PAVEMENT DESIGN
- 1" TYPE SP-9.5 ASPHALTIC CONCRETE (TRAFFIC C)
 - 2" TYPE SP 12.5 ASPHALTIC CONCRETE STRUCTURAL COURSE
 - 10" OPTIONAL BASE GROUP 9
 - 12" TYPE B STABILIZATION LBR 40

DESIGN SPEED = 40 MPH
POSTED SPEED = 35 MPH

No.	REVISIONS	DATE	BY
1	REV 1 CITY COMMENTS	5/8/23	GTS
2			
3			
4			
5			

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT
147864000
DATE
02/03/23
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

WYLD OAKS INFRASTRUCTURE
PREPARED FOR
KELLY PARK VB DEVELOPMENT, LLC

CITY OF APOPKA
FLORIDA

PROFESSIONAL ENGINEER
KEVIN M. ROBERSON
No. 52074
STATE OF FLORIDA

TYPICAL SECTION

SHEET NUMBER
III

Printed By: Set-Up, Roadway Plans, Logically GENERAL NOTES January 15, 2024 08:32:29am K:\VMS\UEVA\1786-000_Kelly_Park_Apopka_FL_CADD\PlanSheets\Roadway Plans\IV_GENERAL NOTES.dwg
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1. GOVERNING SPECIFICATIONS: STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JULY 2022.
2. CONSTRUCTION DETAILS SHALL BE IN ACCORDANCE WITH STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FY 2023-24 STANDARDS PLANS.
3. ALL STATIONS AND OFFSETS ARE REFERENCED TO CENTERLINE OF CONSTRUCTION.

4. ALL MATERIALS AND CONSTRUCTION WITHIN THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN (F.D.O.T.) RIGHT OF WAY SHALL CONFORM TO THE LATEST EDITION F.D.O.T. DESIGN STANDARDS AND LATEST EDITION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
5. PERMITTEE WILL MATCH ABUTTING PAVEMENT SECTION ADJACENT TO PERMITTED WORK WHICH INCLUDES THICKNESS AND TYPE OF ASPHALT & BASE & SUBGRADE MATERIAL OR AS DIRECTED BY THE LOCAL RESIDENT OPERATIONS ENGINEER OR DESIGNEE.
6. IT IS THE PERMITTEE'S RESPONSIBILITY TO OBTAIN FINAL ACCEPTANCE OF PERMITTED WORK (COMPLETED) AND THE RESTORATION OF THE RIGHT OF WAY FROM THE CITY OF APOPKA PRIOR TO USAGE.
7. PERMITTEE WILL PROVIDE THE NECESSARY DENSITIES IN ACCORDANCE WITH SECTION 125-8 OF THE FOOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION (LATEST EDITION) PRIOR TO FINAL ACCEPTANCE BY THE CITY

OF REMOVING THE REMOVAL/INSTALLATION OF ANY CURB AND GUTTER SECTION, THE PERMITTEE WILL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE ABUTTING ASPHALT. THE DAMAGED ASPHALT REPAIR WILL BE IN ACCORDANCE WITH THE CURRENT SPECIFICATIONS AND/OR AS DIRECTED BY THE RESIDENT OPERATIONS ENGINEER.

9. PERMITTEE SHALL PROVIDE THE PRODUCER'S CERTIFICATION (DELIVERY TICKET) FOR THE NS CONCRETE-2500 PSI (USED FOR SIDEWALK, CURB & GUTTER, DITCH PAVEMENT AND TRAFFIC SEPARATOR) PRIOR TO FINAL ACCEPTANCE BY THE CITY OF APOPKA. THE DELIVERY TICKET SHALL CERTIFY

SECTION 347 OF THE F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION).

10. PERMITTEE WILL PROVIDE THE PRODUCER'S CERTIFICATION FOR THE PRECAST COLLAR, SUPPORT SLAB, INLET (GRATING, PIPE AND CLASS I) CONCRETE, ETC. PRIOR TO FINAL ACCEPTANCE BY F.D.O.T. THE CERTIFICATION MUST BEAR THE ORIGINAL SIGNATURE OF A LEGALLY RESPONSIBLE PERSON FROM THE PRODUCER AND IS PROVIDED ON THE PRODUCER'S LETTERHEAD.
11. THE FINISHED ROADWAY SECTION SHALL BE SMOOTH AND SET TO DRAIN.
12. EXISTING SECTION CORNERS AND 1/4 SECTION CORNERS, AND OTHER LAND MARKERS OR MONUMENTS LOCATED WITHIN PROPOSED CONSTRUCTION ARE TO BE REFERENCED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND RESET AFTER CONSTRUCTION USING A REGISTERED LAND SURVEYOR LICENSED IN THE STATE OF FLORIDA.
13. ANY MAILBOX WITHIN THE LIMITS OF CONSTRUCTION IS TO BE TAKEN DOWN AND RESET IN ACCORDANCE WITH POSTAL REQUIREMENTS BY THE CONTRACTOR.
14. B.M. DATA IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD -88).
15. ANY NAVD - 1929 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, NOTIFY.

GEODETTIC INFORMATION CENTER
ATTN: MARK MAINTENANCE SECTION NCG-162
6001 EXECUTIVE BLVD.
ROCKVILLE, MARYLAND 20852
TELEPHONE NO. (301) 443-8319

16. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE.
17. THE EXACT LOCATIONS OF PROPOSED SWALES, BACK SLOPE LINES AND LIMITS OF CONSTRUCTION WILL BE IN ACCORDANCE WITH THE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
18. CONTRACTOR SHALL ADJUST ALL UTILITY LIDS AND COVERS TO FINISHED GRADE AS REQUIRED.

GENERAL NOTES

19. ALL EXISTING DRAINAGE STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR.
20. SODDED AREAS WILL BE IN ACCORDANCE WITH STANDARD 570-010 AND SECTIONS 162.981, 982, 983, 987 OF THE F.D.O.T.'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. ALL DISTURBED AREAS WILL BE SODDED WITHIN ONE (1) WEEK OF INSTALLATION OF SAID PERMITTED WORK. IF THE SOD IS DAMAGED DURING OPERATION, IT MUST BE REPLACED AND MAINTAINED UNTIL THE SOD IS ESTABLISHED. THE PERMIT WILL REMAIN OPEN UNTIL THIS IS ACCOMPLISHED.
21. THE CONTRACTOR WILL RESTORE ALL AREAS DISTURBED BY THIS CONSTRUCTION TO A CONDITION EQUAL TO OR BETTER THAN EXISTING IN ACCORDANCE WITH FOOT'S LATEST STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION OR AS DIRECTED BY THE RESIDENT OPERATIONS ENGINEER.
22. ITEMS IN CONFLICT WITH DESIGN SUCH AS EXISTING CURBS AND GUTTERS, SIDEWALKS, DRAINAGE STRUCTURES, PAVEMENT AND BASE AND EXCESS EXCAVATIONS ARE TO BE REMOVED BY CONTRACTOR AND DISPOSED OF IN A LEGAL AND PROPER MANNER AWAY FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE UNLESS THE ITEMS ARE TO BE REUSED ON THE PROJECT.
23. ALL MAINTENANCE OF TRAFFIC M.O.T. FOR THIS PROJECT WILL BE IN COMPLIANCE WITH THE DEPARTMENT'S CURRENT EDITION OF THE DESIGN STANDARDS (102-XXX SERIES) AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE OPERATIONS ENGINEER OR HIS DESIGNEE RESERVES THE RIGHT TO DIRECT THE REMOVAL/RELOCATION/MODIFICATION OF ANY TRAFFIC DEVICES AT THE PERMITTEE'S SOLE EXPENSE. SPECIAL ATTENTION WILL BE GIVEN TO FOOT DESIGN STANDARD 102-611, 102-612, 102-613, AND 102-660.
24. IF THE PERMITTED WORK IS ON A ROADWAY THAT HAS BEEN SELECTED AS A HURRICANE EVACUATION ROUTE, THE CONTRACTOR SHALL ADVISE AT THE PRE-CONSTRUCTION CONFERENCE IS REQUIRED TO PRESENT, AS PART OF THE WORK PLAN, AN EMERGENCY FUNCTIONAL RESTORATION PLAN TO ADDRESS EVENTUALITIES SUCH AS HURRICANES.
25. FLAGGERS MUST BE PRESENT DURING THE PROGRESS AND COMPLETION OF CONSTRUCTION ADVISING MOTORIST OF TRUCKS ENTERING THE HIGHWAY.
26. CONTRACTOR SHALL CONTACT THE LOCAL MEDIA A WEEK PRIOR TO ANY LANE CLOSURES ON THE STATE/COUNTY/LOCAL ROAD SYSTEM IF IT WILL OCCUR DURING PEAK HOURS OR OVER THE SPAN OF MORE THAN ONE DAY.
27. ALL NOT LANE CLOSURES SIGNS SHALL BE COVERED WHEN LANES ARE NOT CLOSED. RESTRICTED HOURS OF OPERATION FOR LANE CLOSURES WILL BE FROM 9:00AM TO 3:30PM (MONDAY-FRIDAY), UNLESS OTHERWISE APPROVED BY THE OPERATIONS ENGINEER, OR DESIGNEE.
28. AT THE END OF EACH WORK SHIFT, ANY OPEN CUTS, BAYS, AREAS, OR BACKFILLS IN ACCORDANCE WITH STANDARD INDEX 102-600 OR SHALL BE OTHERWISE PROTECTED WITH TEMPORARY BARRIER WALL AT THE CONTRACTOR'S EXPENSE.
29. THE HIGHEST PRIORITY SHALL BE GIVEN TO ENSURE PEDESTRIAN SAFETY DURING CONSTRUCTION. IF PERMISSION IS GRANTED TO TEMPORARILY CLOSE A SIDEWALK, IT SHALL BE DONE WITH THE EXPRESS CONDITION THAT AN ALTERNATE ROUTE WILL BE PROVIDED, CLEARLY IDENTIFIED, AND REOPENED AS QUICKLY AS POSSIBLE.
30. THE LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. RELOCATION OF UTILITIES SHALL BE COORDINATED WITH UTILITY COMPANIES AFTER IDENTIFICATION OF CONFLICT BY CONTRACTOR. CONTRACTOR SHALL NOTIFY ENGINEER IN ADVANCE BEFORE ANY RELOCATION.
31. THE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR 2 BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION INVOLVING THEIR UTILITIES SO THAT COMPANY REPRESENTATIVES CAN BE PRESENT.
32. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES, UNDERGROUND UTILITIES, OR NEAR CANAL BANKS.
33. PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUTE 556 FOR THE PROTECTION OF ALL UNDERGROUND UTILITIES.
34. THE CONTRACTOR SHALL CALL SUNSHINE (1-800-432-770) FOR FIELD LOCATIONS 2 BUSINESS BEFORE DIGGING NEAR UNDERGROUND UTILITIES.
35. CONTRACTOR TO ENSURE THAT ALL PROPOSED UTILITY CONSTRUCTION IS IN FULL COMPLIANCE WITH THE MOST CURRENT CITY OF APOPKA UTILITIES PLAN.

37. ANY NEW OR RELOCATED VALVES, MANHOLES, OR OTHER ITEMS IN THE PAVEMENT SHALL BE LOCATED OUTSIDE THE WHEEL PATH (EITHER ON THE LANE LINE OR IN THE CENTER OF THE LANE).
38. DRIVEWAYS THAT ARE DISTURBED ARE TO BE RECONSTRUCTED TO THEIR ORIGINAL OR BETTER CONDITIONS, UNLESS OTHERWISE STATED ON PLANS.
39. STAGING AND MATERIAL STORAGE SHALL NOT BE CONDUCTED ON ABUTTING PRIVATE PROPERTY WITHOUT APPROVAL FROM THE OWNER.
40. TURNOUTS (DRIVEWAYS) TO BE CONSTRUCTED PER FOOT STANDARD 000-515.
41. SIDEWALK JOINTS TO BE INSTALLED PER DETAILS ON FOOT STANDARD 522-001 FOR ALL SIDEWALKS. ALL JOINTS SHALL BE SAWCUT AS PER FOOT STANDARDS.
42. ALL PUBLIC SIDEWALK CURB RAMPS WILL MEET THE ROADWAY & TRAFFIC DESIGN STANDARDS (CURRENT EDITION) STANDARD 522-002 AND SHALL COMPLY WITH ALL ADA REQUIREMENTS. CURB/RAMP INSPECTIONS REQUIRED PRIOR TO INSTALLATION OF CONCRETE.
43. REMOVAL/INSTALLATION OF SIDEWALK WILL BE IN ACCORDANCE WITH FOOT STANDARD STANDARD 522-001.
44. NO EXISTING BASE MATERIAL REMOVED IN EXCAVATION SHALL BE REUSED AS PROPOSED BASE MATERIAL.
45. REMOVE ALL MUCK, OVERBURDEN, AND ROOT MATERIAL TO THE RIGHT-OF-WAY LINE, BACKFILL TO THE REQUIRED SUBGRADE WITH CLEAN, GRANULAR MATERIAL IN MAXIMUM 6" LIFTS COMPACTED TO 100% OF MAXIMUM DENSITY IN ACCORDANCE WITH AASHTO T99-C SPECIFICATIONS, AND EACH LIFT TESTED BEFORE PLACING NEXT LIFT.
46. PERMITTEE WILL BE REQUIRED TO DELIVER ALL GUARDRAIL AND APPURTENANCES REMOVED, WITHIN THE LIMITS OF CONSTRUCTION TO THE FOOT OPERATIONS CENTER PRIOR TO OBTAINING FINAL ACCEPTANCE BY THE CITY OF APOPKA.
47. EROSION CONTROL MEASURES SHALL BE TAKEN BY CONTRACTOR DURING CONSTRUCTION PER FOOT STANDARDS. SEE EROSION CONTROL PLAN SHEETS.
48. OWNERSHIP OF ALL SUITABLE EXCAVATED MATERIALS WITHIN THE FOOT R/W, AS DETERMINED BY THE F.D.O.T., SHALL REMAIN IN THE DEPARTMENT UNTIL A FINAL ACCEPTANCE OF THE PERMITTED PROJECT IS FULFILLED. EXCAVATED MATERIALS SHALL BE HAULED BY THE CONTRACTOR, AT THEIR COST & EXPENSE FROM THE SITE OR STOCKPILED IN THOSE AREAS AS DIRECTED BY THE DOT, INCLUDING ASPHALT MILLINGS.
49. AT LOCATIONS WHERE PIPE AND DRAINAGE STRUCTURES ARE TO BE CONSTRUCTED OR REMOVED UNDER THE EXISTING PAVEMENT, THE REPLACEMENT OF EMBANKMENT, BASE, ASPHALT, ETC. NECESSARY FOR EXCAVATION IS TO BE INCLUDED IN THE COST OF PIPE.
50. ALL TREES WITHIN EXISTING RIGHT OF WAY TO REMAIN, MAINTAINING 4' FROM FACE OF CURB, UNLESS OTHERWISE NOTED.
51. ANY DAMAGE TO TRAFFIC ITS FACILITIES CAUSED BY CONSTRUCTION OF THIS PROJECT MUST BE REPAIRED OR REPLACED TO ORIGINAL OR BETTER CONDITION BY THE CONTRACTOR AT THE CONTRACTOR'S SOLE RESPONSIBILITY AND COST. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES, MARKINGS AND SIGNAGE WILL BE INSTALLED PER THE FOOT ROADWAY AND TRAFFIC DESIGN STANDARDS.
53. CONTRACTORS THAT ARE PERFORMING PERMITTED WORK ACTIVITIES SHALL PROVIDE THE CITY OF APOPKA (PERMIT OFFICE) PROOF OF A PROPER STATE CONTRACTOR'S LICENSE AND CERTIFICATE OF LIABILITY INSURANCE PRIOR TO ANY COMMENCEMENT OF PERMITTED WORK.
54. CONTRACTOR WILL PROVIDE THE F.D.O.T. WITH CERTIFIED "AS-BUILT" PLANS PRIOR TO FINAL ACCEPTANCE OF THE PERMITTED WORK.
55. IF ANY DEWATERING IS REQUIRED DURING CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN A DEWATERING PERMIT FROM FOOT PRIOR TO ANY DEWATERING.
56. IF CONSTRUCTION OCCURS WITHIN THE DRIP LINE OF EXISTING TREES, PROTECT TREES DURING CONSTRUCTION PER FOOT STANDARD PLANS 110-100. DO NOT PARK VEHICLES OR STAGE CONSTRUCTION MATERIAL WITHIN DRIP LINES OF EXISTING TREES. WHEN CONSTRUCTION AFFECTS TREE ROOTS OR CANOPY, TRIM PER FOOT STANDARD SPECIFICATION 110.

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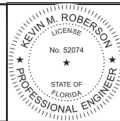
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KHA PROJECT 147864000
DATE 02/03/23
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

WYLD OAKS INFRASTRUCTURE
PREPARED FOR
KELLY PARK VB DEVELOPMENT, LLC

CITY OF APOPKA

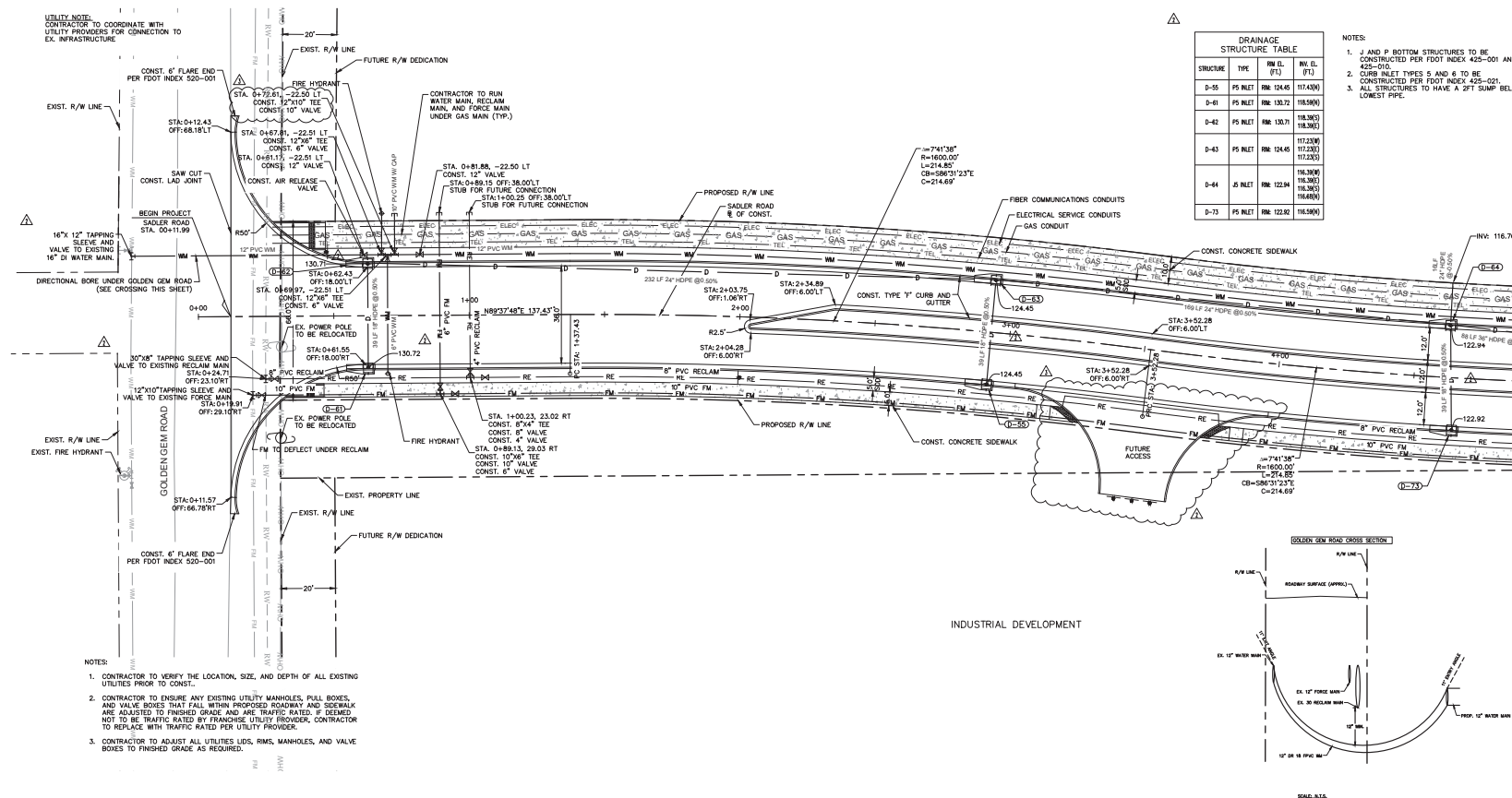
FLORIDA



GENERAL NOTES

SHEET NUMBER

IV



STRUCTURE	TYPE	RIN EL. (FT.)	AVG. EL. (FT.)
D-55	P5 INLET	RIN: 124.45	117.43(5)
D-61	P5 INLET	RIN: 130.72	118.59(5)
D-62	P5 INLET	RIN: 130.71	118.30(5) 118.30(5)
D-63	P5 INLET	RIN: 124.45	117.23(5) 117.23(5) 117.23(5)
D-64	J5 INLET	RIN: 122.94	116.30(5) 116.30(5) 116.30(5) 116.60(5)
D-73	P5 INLET	RIN: 122.92	116.50(5)

- NOTES:
1. J AND P BOTTOM STRUCTURES TO BE CONSTRUCTED PER FDOT INDEX 425-001 AND 425-010.
 2. CURB INLET TYPES 5 AND 6 TO BE CONSTRUCTED PER FDOT INDEX 425-021.
 3. ALL STRUCTURES TO HAVE A 2FT SUMP BELOW LOWEST PIPE.

- NOTES:
1. CONTRACTOR TO VERIFY THE LOCATION, SIZE, AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONST.
 2. CONTRACTOR TO ENSURE ANY EXISTING UTILITY MANHOLES, PULL BOXES, AND VALVE BOXES THAT FALL WITHIN PROPOSED ROADWAY AND SIDEWALKS ARE ADJUSTED TO FINISHED GRADE AND ARE TRAFFIC RATED. IF DEEMED NOT TO BE TRAFFIC RATED BY FRANCHISE UTILITY PROVIDER, CONTRACTOR TO REPLACE WITH TRAFFIC RATED PER UTILITY PROVIDER.
 3. CONTRACTOR TO ADJUST ALL UTILITIES UDS, RIMS, MANHOLES, AND VALVE BOXES TO FINISHED GRADE AS REQUIRED.

#					
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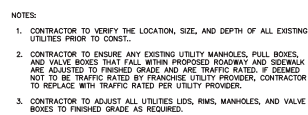
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CITY OF APOPKA

A circular professional engineer seal for Kevin M. Roberson. The outer ring contains the text "KEVIN M. ROBERSON" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top, "No. 52074" is in the center, and "STATE OF FLORIDA" is at the bottom, also flanked by two stars.

SADLER ROAD ROADWAY PLAN

01



NOTES:

1. J AND P BOTTOM STRUCTURES TO BE CONSTRUCTED PER FDOT INDEX 425-001 AND 425-010.
2. CURB INLET TYPES 5 AND 6 TO BE CONSTRUCTED PER FDOT INDEX 425-021.
3. ALL STRUCTURES TO HAVE A 2FT SUMP BELOW LOWEST PIPE.

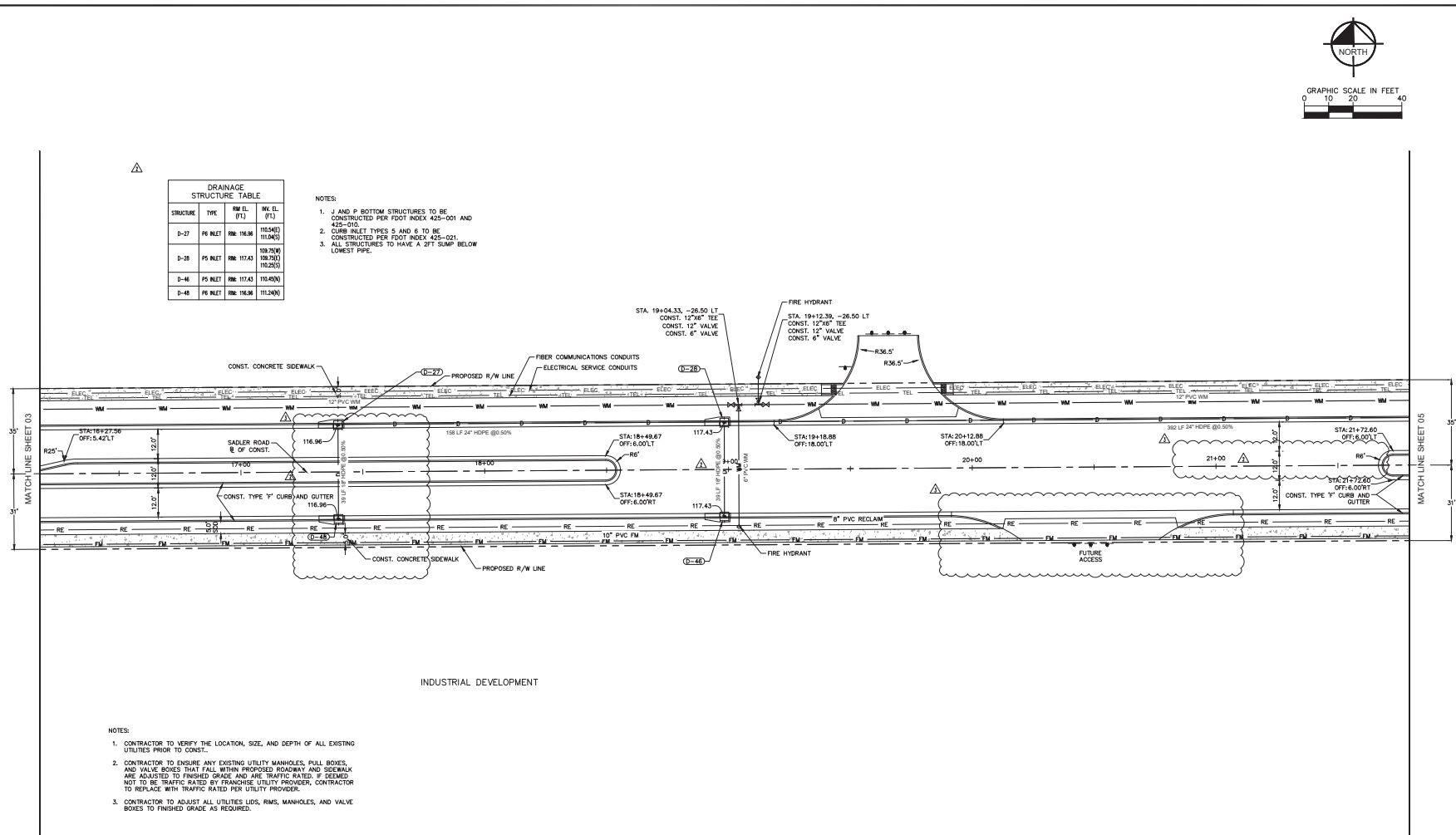
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PREPARED FOR
KELLY PARK VB DEVELOPMENT, LLC
CITY OF APOPKA FLORIDA



SHEET NUMBER

02

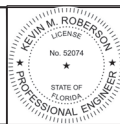


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	BID REVISIONS	5/30/23	GTS
	BID REVISIONS #2	1/12/24	GTS
No.	REVISIONS	DATE	BY

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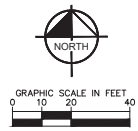
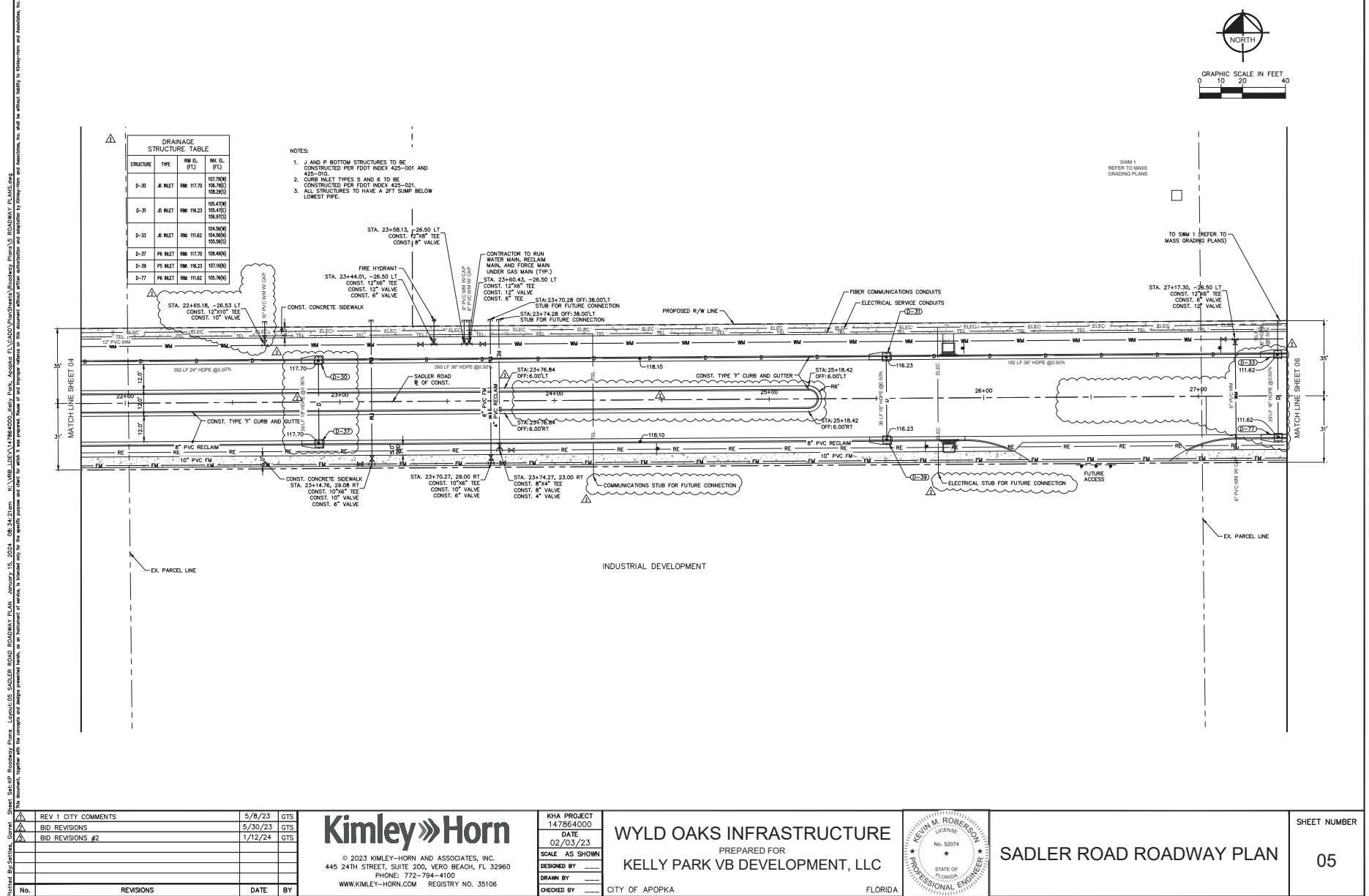
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CITY OF APOPKA FLORIDA



SADLER ROAD ROADWAY PLAN

SHEET NUMBER
04



DRAINAGE STRUCTURE TABLE			
STRUCTURE	TYPE	R/W E.L. (F.T.)	R/W E.L. (F.T.)
D-30	4" RILEY	117.70	117.70
D-31	4" RILEY	118.23	118.23
D-33	4" RILEY	118.23	118.23
D-37	6" RILEY	117.70	117.70
D-39	6" RILEY	118.23	118.23
D-77	6" RILEY	118.23	118.23

- NOTES:
1. J AND P BOTTOM STRUCTURES TO BE CONSTRUCTED PER FOOT INDEX 425-001 AND 425-010.
 2. CURB INLET PIPES 5 AND 6 TO BE CONSTRUCTED PER FOOT INDEX 425-021.
 3. ALL STRUCTURES TO HAVE A 2 FT BUMP BELOW LOWEST PIPE.

Plot: B:\Set-Up\Roadway Plans\Layouts\05 SADLER ROAD ROADWAY PLAN January 15, 2024 08:34:21.dwg K:\VIB\LIB\147864000\Kelly Park_VB\Roadway Plans\Layouts\05 SADLER ROAD ROADWAY PLAN January 15, 2024 08:34:21.dwg
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3	BID REVISIONS #2	1/12/24	GTS

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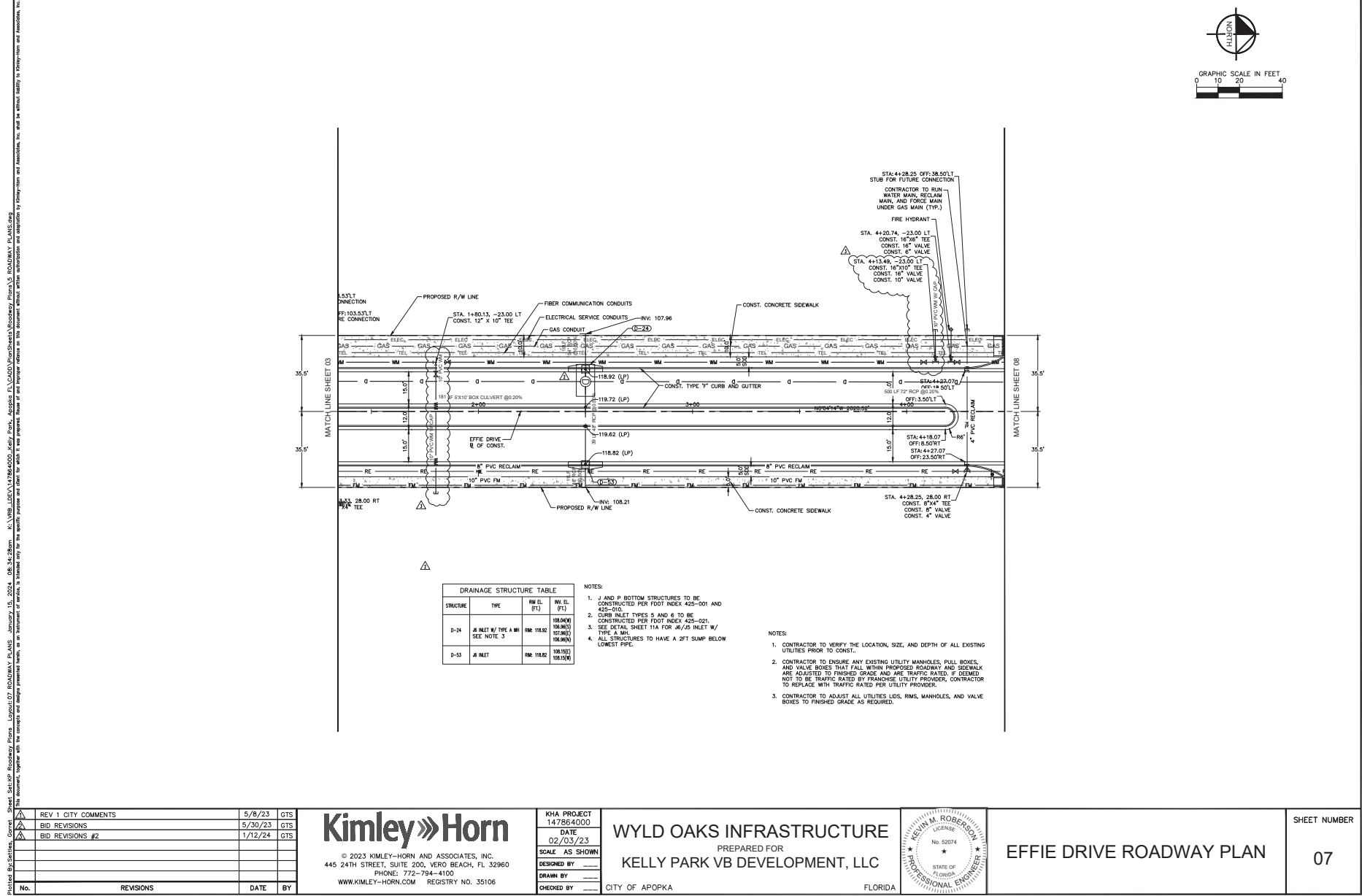
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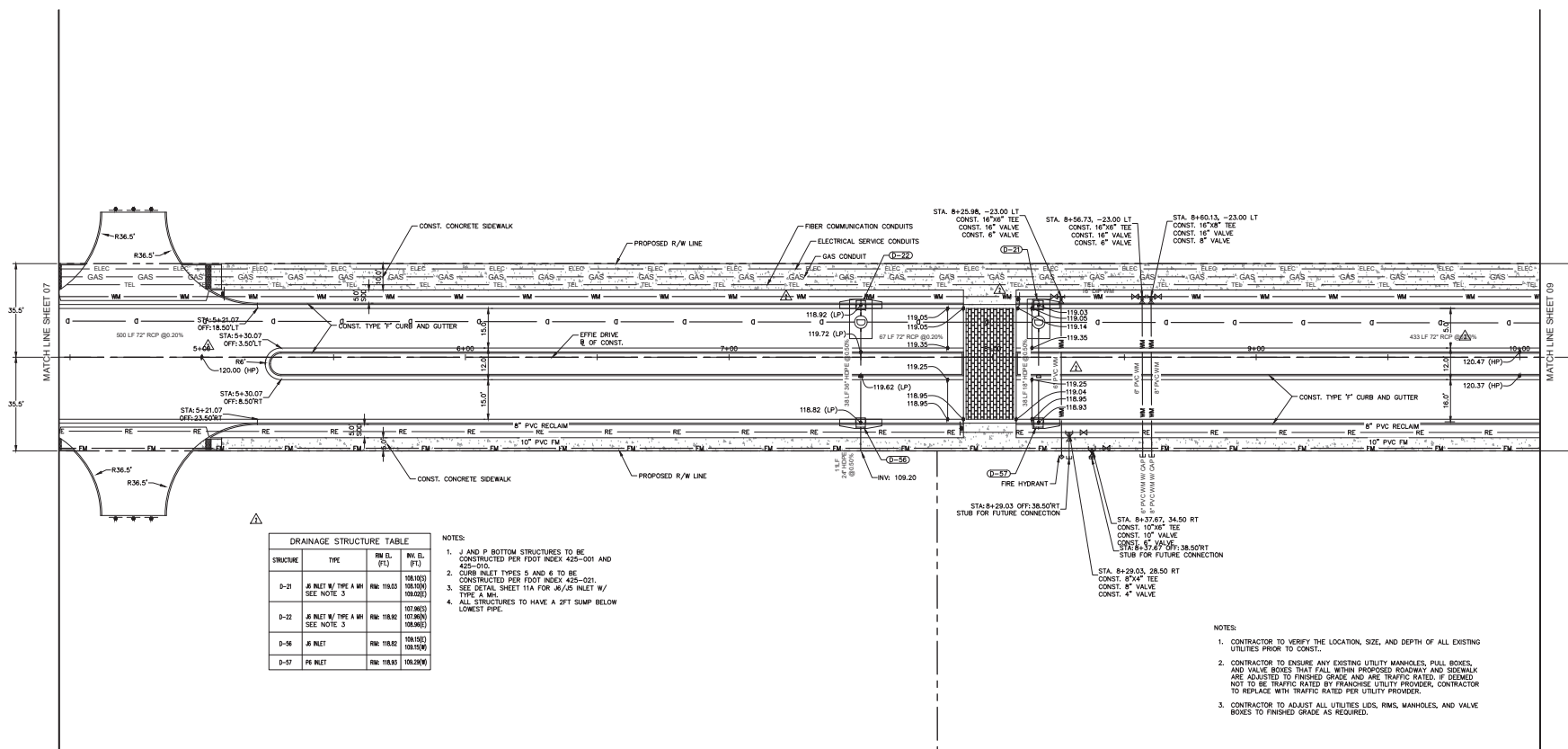
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SADLER ROAD ROADWAY PLAN	SHEET NUMBER 05
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STRUCTURE	TYPE	RIM EL. (FT.)	INV. EL. (FT.)
D-21	J5 INLET W/ TYPE A MH SEE NOTE 3	RIM: 119.03	108.10(S) 108.10(N) 109.02(E)
D-22	J5 INLET W/ TYPE A MH SEE NOTE 3	RIM: 118.92	107.90(S) 107.90(N) 108.90(E)
D-56	J5 INLET	RIM: 118.82	109.15(S) 109.15(N)
D-57	P6 INLET	RIM: 118.83	109.23(N)

- NOTES:
1. J AND P BOTTOM STRUCTURES TO BE CONSTRUCTED PER FDOT INDEX 425-001 AND 425-010.
 2. CURB INLET TYPES 5 AND 6 TO BE CONSTRUCTED PER FDOT INDEX 425-021.
 3. SEE DETAIL SHEET 11A FOR J6/J5 INLET W/ TYPE A MH.
 4. ALL STRUCTURES TO HAVE A 2FT SUMP BELOW LOWEST PIPE.

- NOTES:
1. CONTRACTOR TO VERIFY THE LOCATION, SIZE, AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONST..
 2. CONTRACTOR TO ENSURE ANY EXISTING UTILITY MANHOLES, PULL BOXES, AND VALVE BOXES THAT FALL WITHIN PROPOSED ROADWAY AND SIDEWALK ARE ADJUSTED TO FINISHED GRADE AND ARE TRAFFIC RATED. IF DEEMED NOT TO BE TRAFFIC RATED BY FRANCHISE UTILITY PROVIDER, CONTRACTOR TO REPLACE WITH TRAFFIC RATED PER UTILITY PROVIDER.
 3. CONTRACTOR TO ADJUST ALL UTILITIES LIDS, RMS, MANHOLES, AND VALVE BOXES TO FINISHED GRADE AS REQUIRED.

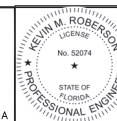
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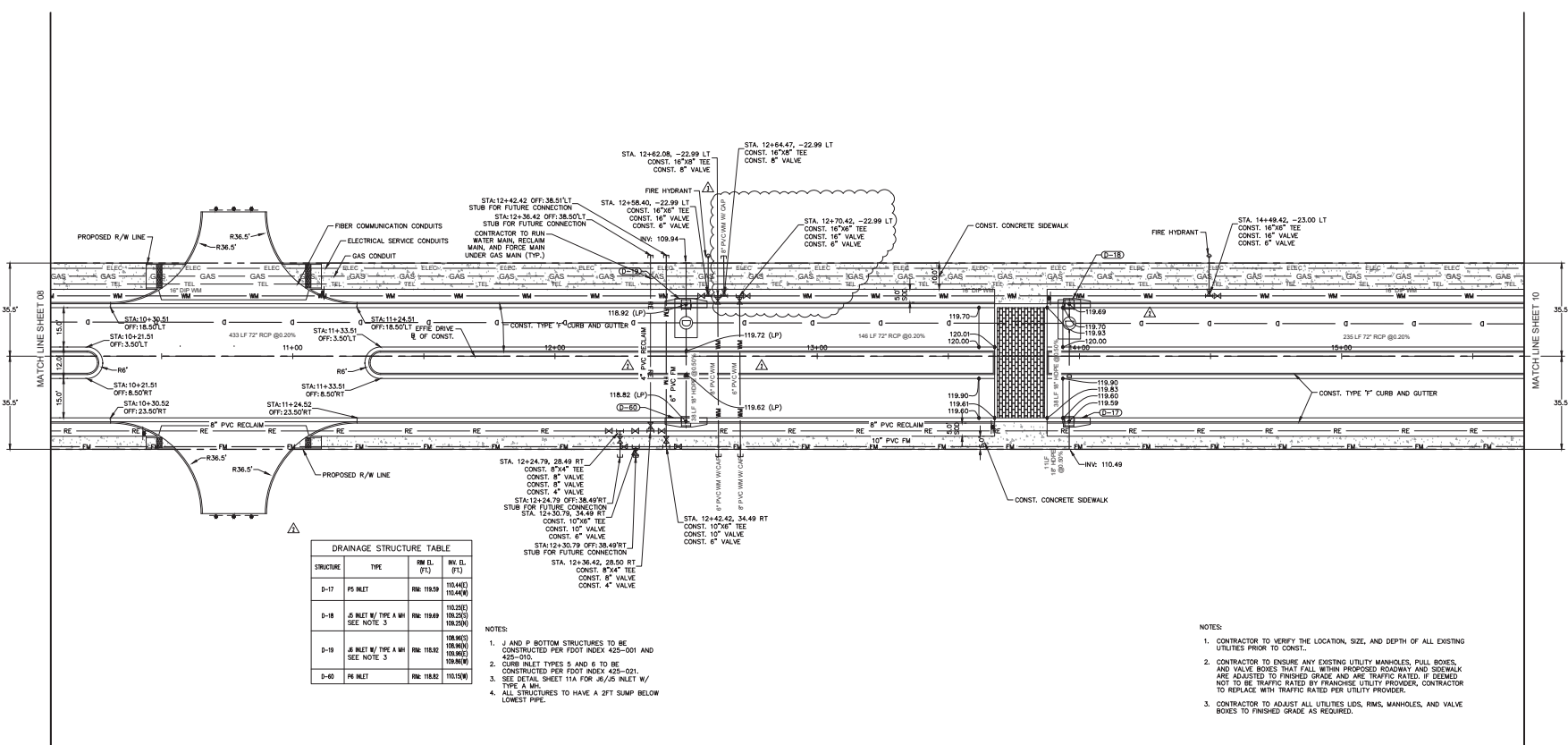
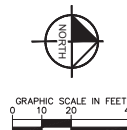
CITY OF APOPKA

FLORIDA



EFFIE DRIVE ROADWAY PLAN

08



DRAINAGE STRUCTURE TABLE				
STRUCTURE	TYPE	R/W EL. (F.T.)	W.D. (F.)	
D-17	PS INLET	R/W: 119.59	110.44(E)	110.44(W)
D-18	4.5 INLET W/ TYPE A MH SEE NOTE 3	R/W: 119.69	110.25(E) 109.25(S) 109.25(W)	
D-19	4.5 INLET W/ TYPE A MH SEE NOTE 3	R/W: 119.92	108.90(S) 108.90(N) 109.86(W)	
D-60	PS INLET	R/W: 119.82	110.15(W)	

NOTES:
1. J AND P BOTTOM STRUCTURES TO BE CONSTRUCTED PER FDOT INDEX 425-001 AND 425-002.
2. CURB INLET TYPES 5 AND 6 TO BE CONSTRUCTED PER FDOT INDEX 425-021.
3. SEE DETAIL SHEET 11A FOR 36\"/>

NOTES:
1. CONTRACTOR TO VERIFY THE LOCATION, SIZE, AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONST.
2. CONTRACTOR TO INSURE ANY EXISTING UTILITY MANHOLES, PULL BOXES, AND VALVE BOXES THAT FALL WITHIN PROPOSED ROADWAY AND SIDEWALK ARE ADJUSTED TO FINISHED GRADE AND ARE TRAFFIC RATED. IF DEEMED NOT TO BE TRAFFIC RATED BY FRANCHISE UTILITY PROVIDER, CONTRACTOR TO REPLACE WITH TRAFFIC RATED PER UTILITY PROVIDER.
3. CONTRACTOR TO ADJUST ALL UTILITIES LIDS, RIMS, MANHOLES, AND VALVE BOXES TO FINISHED GRADE AS REQUIRED.

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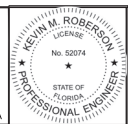
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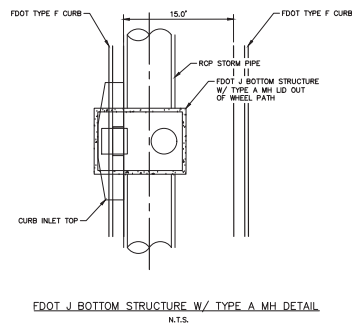
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CITY OF APOPKA
FLORIDA



EFFIE DRIVE ROADWAY PLAN		SHEET NUMBER 09
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MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTINGS: * PIPE SIZE <table border="1"> <tr> <th>PIPE SIZE</th> <th>1/2"</th> <th>3/4"</th> <th>1"</th> <th>1 1/4"</th> <th>1 1/2"</th> <th>2"</th> <th>2 1/2"</th> <th>3"</th> <th>3 1/2"</th> <th>4"</th> <th>4 1/2"</th> <th>6"</th> <th>8"</th> <th>10"</th> <th>12"</th> <th>14"</th> <th>16"</th> <th>18"</th> <th>20"</th> <th>24"</th> <th>30"</th> <th>36"</th> <th>42"</th> <th>48"</th> <th>54"</th> <th>60"</th> <th>72"</th> <th>84"</th> <th>96"</th> <th>108"</th> <th>120"</th> <th>144"</th> <th>168"</th> <th>192"</th> <th>216"</th> <th>240"</th> <th>270"</th> <th>300"</th> <th>360"</th> <th>420"</th> <th>480"</th> <th>540"</th> <th>600"</th> <th>660"</th> <th>720"</th> <th>780"</th> <th>840"</th> <th>900"</th> <th>960"</th> <th>1020"</th> <th>1080"</th> <th>1140"</th> <th>1200"</th> <th>1260"</th> <th>1320"</th> <th>1380"</th> <th>1440"</th> <th>1500"</th> <th>1560"</th> <th>1620"</th> <th>1680"</th> <th>1740"</th> <th>1800"</th> 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<th>65580"</th> <th>65640"</th> <th>65700"</th> <th>65760"</th> <th>65820"</th> <th>65880"</th> <th>65940"</th> <th>66000"</th> <th>66060"</th> <th>66120"</th> <th>66180"</th> <th>66240"</th> <th>66300"</th> <th>66360"</th> <th>66420"</th> <th></th></tr></table>	PIPE SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	4 1/2"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"	54"	60"	72"	84"	96"	108"	120"	144"	168"	192"	216"	240"	270"	300"	360"	420"	480"	540"	600"	660"	720"	780"	840"	900"	960"	1020"	1080"	1140"	1200"	1260"	1320"	1380"	1440"	1500"	1560"	1620"	1680"	1740"	1800"	1860"	1920"	1980"	2040"	2100"	2160"	2220"	2280"	2340"	2400"	2460"	2520"	2580"	2640"	2700"	2760"	2820"	2880"	2940"	3000"	3060"	3120"	3180"	3240"	3300"	3360"	3420"	3480"	3540"	3600"	3660"	3720"	3780"	3840"	3900"	3960"	4020"	4080"	4140"	4200"	4260"	4320"	4380"	4440"	4500"	4560"	4620"	4680"	4740"	4800"	4860"	4920"	4980"	5040"	5100"	5160"	5220"	5280"	5340"	5400"	5460"	5520"	5580"	5640"	5700"	5760"	5820"	5880"	5940"	6000"	6060"	6120"	6180"	6240"	6300"	6360"	6420"	6480"	6540"	6600"	6660"	6720"	6780"	6840"	6900"	6960"	7020"	7080"	7140"	7200"	7260"	7320"	7380"	7440"	7500"	7560"	7620"	7680"	7740"	7800"	7860"	7920"	7980"	8040"	8100"	8160"	8220"	8280"	8340"	8400"	8460"	8520"	8580"	8640"	8700"	8760"	8820"	8880"	8940"	9000"	9060"	9120"	9180"	9240"	9300"	9360"	9420"	9480"	9540"	9600"	9660"	9720"	9780"	9840"	9900"	9960"	10020"	10080"	10140"	10200"	10260"	10320"	10380"	10440"	10500"	10560"	10620"	10680"	10740"	10800"	10860"	10920"	10980"	11040"	11100"	11160"	11220"	11280"	11340"	11400"	11460"	11520"	11580"	11640"	11700"	11760"	11820"	11880"	11940"	12000"	12060"	12120"	12180"	12240"	12300"	12360"	12420"	12480"	12540"	12600"	12660"	12720"	12780"	12840"	12900"	12960"	13020"	13080"	13140"	13200"	13260"	13320"	13380"	13440"	13500"	13560"	13620"	13680"	13740"	13800"	13860"	13920"	13980"	14040"	14100"	14160"	14220"	14280"	14340"	14400"	14460"	14520"	14580"	14640"	14700"	14760"	14820"	14880"	14940"	15000"	15060"	15120"	15180"	15240"	15300"	15360"	15420"	15480"	15540"	15600"	15660"	15720"	15780"	15840"	15900"	15960"	16020"	16080"	16140"	16200"	16260"	16320"	16380"	16440"	16500"	16560"	16620"	16680"	16740"	16800"	16860"	16920"	16980"	17040"	17100"	17160"	17220"	17280"	17340"	17400"	17460"	17520"	17580"	17640"	17700"	17760"	17820"	17880"	17940"	18000"	18060"	18120"	18180"	18240"	18300"	18360"	18420"	18480"	18540"	18600"	18660"	18720"	18780"	18840"	18900"	18960"	19020"	19080"	19140"	19200"	19260"	19320"	19380"	19440"	19500"	19560"	19620"	19680"	19740"	19800"	19860"	19920"	19980"	20040"	20100"	20160"	20220"	20280"	20340"	20400"	20460"	20520"	20580"	20640"	20700"	20760"	20820"	20880"	20940"	21000"	21060"	21120"	21180"	21240"	21300"	21360"	21420"	21480"	21540"	21600"	21660"	21720"	21780"	21840"	21900"	21960"	22020"	22080"	22140"	22200"	22260"	22320"	22380"	22440"	22500"	22560"	22620"	22680"	22740"	22800"	22860"	22920"	22980"	23040"	23100"	23160"	23220"	23280"	23340"	23400"	23460"	23520"	23580"	23640"	23700"	23760"	23820"	23880"	23940"	24000"	24060"	24120"	24180"	24240"	24300"	24360"	24420"	24480"	24540"	24600"	24660"	24720"	24780"	24840"	24900"	24960"	25020"	25080"	25140"	25200"	25260"	25320"	25380"	25440"	25500"	25560"	25620"	25680"	25740"	25800"	25860"	25920"	25980"	26040"	26100"	26160"	26220"	26280"	26340"	26400"	26460"	26520"	26580"	26640"	26700"	26760"	26820"	26880"	26940"	27000"	27060"	27120"	27180"	27240"	27300"	27360"	27420"	27480"	27540"	27600"	27660"	27720"	27780"	27840"	27900"	27960"	28020"	28080"	28140"	28200"	28260"	28320"	28380"	28440"	28500"	28560"	28620"	28680"	28740"	28800"	28860"	28920"	28980"	29040"	29100"	29160"	29220"	29280"	29340"	29400"	29460"	29520"	29580"	29640"	29700"	29760"	29820"	29880"	29940"	30000"	30060"	30120"	30180"	30240"	30300"	30360"	30420"	30480"	30540"	30600"	30660"	30720"	30780"	30840"	30900"	30960"	31020"	31080"	31140"	31200"	31260"	31320"	31380"	31440"	31500"	31560"	31620"	31680"	31740"	31800"	31860"	31920"	31980"	32040"	32100"	32160"	32220"	32280"	32340"	32400"	32460"	32520"	32580"	32640"	32700"	32760"	32820"	32880"	32940"	33000"	33060"	33120"	33180"	33240"	33300"	33360"	33420"	33480"	33540"	33600"	33660"	33720"	33780"	33840"	33900"	33960"	34020"	34080"	34140"	34200"	34260"	34320"	34380"	34440"	34500"	34560"	34620"	34680"	34740"	34800"	34860"	34920"	34980"	35040"	35100"	35160"	35220"	35280"	35340"	35400"	35460"	35520"	35580"	35640"	35700"	35760"	35820"	35880"	35940"	36000"	36060"	36120"	36180"	36240"	36300"	36360"	36420"	36480"	36540"	36600"	36660"	36720"	36780"	36840"	36900"	36960"	37020"	37080"	37140"	37200"	37260"	37320"	37380"	37440"	37500"	37560"	37620"	37680"	37740"	37800"	37860"	37920"	37980"	38040"	38100"	38160"	38220"	38280"	38340"	38400"	38460"	38520"	38580"	38640"	38700"	38760"	38820"	38880"	38940"	39000"	39060"	39120"	39180"	39240"	39300"	39360"	39420"	39480"	39540"	39600"	39660"	39720"	39780"	39840"	39900"	39960"	40020"	40080"	40140"	40200"	40260"	40320"	40380"	40440"	40500"	40560"	40620"	40680"	40740"	40800"	40860"	40920"	40980"	41040"	41100"	41160"	41220"	41280"	41340"	41400"	41460"	41520"	41580"	41640"	41700"	41760"	41820"	41880"	41940"	42000"	42060"	42120"	42180"	42240"	42300"	42360"	42420"	42480"	42540"	42600"	42660"	42720"	42780"	42840"	42900"	42960"	43020"	43080"	43140"	43200"	43260"	43320"	43380"	43440"	43500"	43560"	43620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PIPE SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	4 1/2"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"	54"	60"	72"	84"	96"	108"	120"	144"	168"	192"	216"	240"	270"	300"	360"	420"	480"	540"	600"	660"	720"	780"	840"	900"	960"	1020"	1080"	1140"	1200"	1260"	1320"	1380"	1440"	1500"	1560"	1620"	1680"	1740"	1800"	1860"	1920"	1980"	2040"	2100"	2160"	2220"	2280"	2340"	2400"	2460"	2520"	2580"	2640"	2700"	2760"	2820"	2880"	2940"	3000"	3060"	3120"	3180"	3240"	3300"	3360"	3420"	3480"	3540"	3600"	3660"	3720"	3780"	3840"	3900"	3960"	4020"	4080"	4140"	4200"	4260"	4320"	4380"	4440"	4500"	4560"	4620"	4680"	4740"	4800"	4860"	4920"	4980"	5040"	5100"	5160"	5220"	5280"	5340"	5400"	5460"	5520"	5580"	5640"	5700"	5760"	5820"	5880"	5940"	6000"	6060"	6120"	6180"	6240"	6300"	6360"	6420"	6480"	6540"	6600"	6660"	6720"	6780"	6840"	6900"	6960"	7020"	7080"	7140"	7200"	7260"	7320"	7380"	7440"	7500"	7560"	7620"	7680"	7740"	7800"	7860"	7920"	7980"	8040"	8100"	8160"	8220"	8280"	8340"	8400"	8460"	8520"	8580"	8640"	8700"	8760"	8820"	8880"	8940"	9000"	9060"	9120"	9180"	9240"	9300"	9360"	9420"	9480"	9540"	9600"	9660"	9720"	9780"	9840"	9900"	9960"	10020"	10080"	10140"	10200"	10260"	10320"	10380"	10440"	10500"	10560"	10620"	10680"	10740"	10800"	10860"	10920"	10980"	11040"	11100"	11160"	11220"	11280"	11340"	11400"	11460"	11520"	11580"	11640"	11700"	11760"	11820"	11880"	11940"	12000"	12060"	12120"	12180"	12240"	12300"	12360"	12420"	12480"	12540"	12600"	12660"	12720"	12780"	12840"	12900"	12960"	13020"	13080"	13140"	13200"	13260"	13320"	13380"	13440"	13500"	13560"	13620"	13680"	13740"	13800"	13860"	13920"	13980"	14040"	14100"	14160"	14220"	14280"	14340"	14400"	14460"	14520"	14580"	14640"	14700"	14760"	14820"	14880"	14940"	15000"	15060"	15120"	15180"	15240"	15300"	15360"	15420"	15480"	15540"	15600"	15660"	15720"	15780"	15840"	15900"	15960"	16020"	16080"	16140"	16200"	16260"	16320"	16380"	16440"	16500"	16560"	16620"	16680"	16740"	16800"	16860"	16920"	16980"	17040"	17100"	17160"	17220"	17280"	17340"	17400"	17460"	17520"	17580"	17640"	17700"	17760"	17820"	17880"	17940"	18000"	18060"	18120"	18180"	18240"	18300"	18360"	18420"	18480"	18540"	18600"	18660"	18720"	18780"	18840"	18900"	18960"	19020"	19080"	19140"	19200"	19260"	19320"	19380"	19440"	19500"	19560"	19620"	19680"	19740"	19800"	19860"	19920"	19980"	20040"	20100"	20160"	20220"	20280"	20340"	20400"	20460"	20520"	20580"	20640"	20700"	20760"	20820"	20880"	20940"	21000"	21060"	21120"	21180"	21240"	21300"	21360"	21420"	21480"	21540"	21600"	21660"	21720"	21780"	21840"	21900"	21960"	22020"	22080"	22140"	22200"	22260"	22320"	22380"	22440"	22500"	22560"	22620"	22680"	22740"	22800"	22860"	22920"	22980"	23040"	23100"	23160"	23220"	23280"	23340"	23400"	23460"	23520"	23580"	23640"	23700"	23760"	23820"	23880"	23940"	24000"	24060"	24120"	24180"	24240"	24300"	24360"	24420"	24480"	24540"	24600"	24660"	24720"	24780"	24840"	24900"	24960"	25020"	25080"	25140"	25200"	25260"	25320"	25380"	25440"	25500"	25560"	25620"	25680"	25740"	25800"	25860"	25920"	25980"	26040"	26100"	26160"	26220"	26280"	26340"	26400"	26460"	26520"	26580"	26640"	26700"	26760"	26820"	26880"	26940"	27000"	27060"	27120"	27180"	27240"	27300"	27360"	27420"	27480"	27540"	27600"	27660"	27720"	27780"	27840"	27900"	27960"	28020"	28080"	28140"	28200"	28260"	28320"	28380"	28440"	28500"	28560"	28620"	28680"	28740"	28800"	28860"	28920"	28980"	29040"	29100"	29160"	29220"	29280"	29340"	29400"	29460"	29520"	29580"	29640"	29700"	29760"	29820"	29880"	29940"	30000"	30060"	30120"	30180"	30240"	30300"	30360"	30420"	30480"	30540"	30600"	30660"	30720"	30780"	30840"	30900"	30960"	31020"	31080"	31140"	31200"	31260"	31320"	31380"	31440"	31500"	31560"	31620"	31680"	31740"	31800"	31860"	31920"	31980"	32040"	32100"	32160"	32220"	32280"	32340"	32400"	32460"	32520"	32580"	32640"	32700"	32760"	32820"	32880"	32940"	33000"	33060"	33120"	33180"	33240"	33300"	33360"	33420"	33480"	33540"	33600"	33660"	33720"	33780"	33840"	33900"	33960"	34020"	34080"	34140"	34200"	34260"	34320"	34380"	34440"	34500"	34560"	34620"	34680"	34740"	34800"	34860"	34920"	34980"	35040"	35100"	35160"	35220"	35280"	35340"	35400"	35460"	35520"	35580"	35640"	35700"	35760"	35820"	35880"	35940"	36000"	36060"	36120"	36180"	36240"	36300"	36360"	36420"	36480"	36540"	36600"	36660"	36720"	36780"	36840"	36900"	36960"	37020"	37080"	37140"	37200"	37260"	37320"	37380"	37440"	37500"	37560"	37620"	37680"	37740"	37800"	37860"	37920"	37980"	38040"	38100"	38160"	38220"	38280"	38340"	38400"	38460"	38520"	38580"	38640"	38700"	38760"	38820"	38880"	38940"	39000"	39060"	39120"	39180"	39240"	39300"	39360"	39420"	39480"	39540"	39600"	39660"	39720"	39780"	39840"	39900"	39960"	40020"	40080"	40140"	40200"	40260"	40320"	40380"	40440"	40500"	40560"	40620"	40680"	40740"	40800"	40860"	40920"	40980"	41040"	41100"	41160"	41220"	41280"	41340"	41400"	41460"	41520"	41580"	41640"	41700"	41760"	41820"	41880"	41940"	42000"	42060"	42120"	42180"	42240"	42300"	42360"	42420"	42480"	42540"	42600"	42660"	42720"	42780"	42840"	42900"	42960"	43020"	43080"	43140"	43200"	43260"	43320"	43380"	43440"	43500"	43560"	43620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LOCATION OF PUBLIC WATER SYSEM MAINS IN ACCORDANCE WITH F.A.C. RULE 62-555.314

Other Pipe	Horizontal Separation	Crossings (1)	Joint Spacing @ Crossing (Full Joint Centered)
Storm Sewer, Stormwater Force Main, Reclaimed Water (2)	Water Main 3 ft. minimum	Water Main 12 inches is the minimum, except for storm sewer, then 6 inches is the minimum and 12 inches is preferred	Alternate 3 ft. minimum Water Main
Vacuum Sanitary Sewer	Water Main 3 ft. minimum	Water Main 12 inches preferred 6 inches minimum	Alternate 3 ft. minimum Water Main
Gravity or Pressure Sanitary Sewer, Sanitary Sewer Force Main, Reclaimed Water (4)	Water Main 10 ft. preferred 6 ft. minimum (3)	Water Main 12 inches is the minimum, except for gravity sewer, then 6 inches is the minimum and 12 inches is preferred	Alternate 6 ft. minimum Water Main
On-Site Sewage Treatment & Disposal System	10 ft. minimum	---	---

- (1) Water main should cross above other pipe. When water main must be below other pipe, the minimum separation is 12 inches.
- (2) Reclaimed water regulated under Part III of Chapter 62-610, F.A.C.
- (3) 3 ft. for gravity sanitary sewer where the bottom of the water main is laid at least 6 inches above the top of the gravity sanitary sewer.
- (4) Reclaimed water not regulated under Part III of Chapter 62-610, F.A.C.

Disclaimer – This document is provided for your convenience only. Please refer to F.A.C. Rule 62-555.314 for additional construction requirements.

	BID REVISIONS	5/30/23	GTS
	BID REVISIONS #2	1/12/24	GTS
No.	REVISIONS	DATE	BY

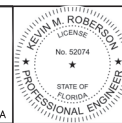
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445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT 147864000
DATE 02/03/23
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

WYLD OAKS INFRASTRUCTURE
PREPARED FOR
KELLY PARK VB DEVELOPMENT, LLC

CITY OF APOPKA

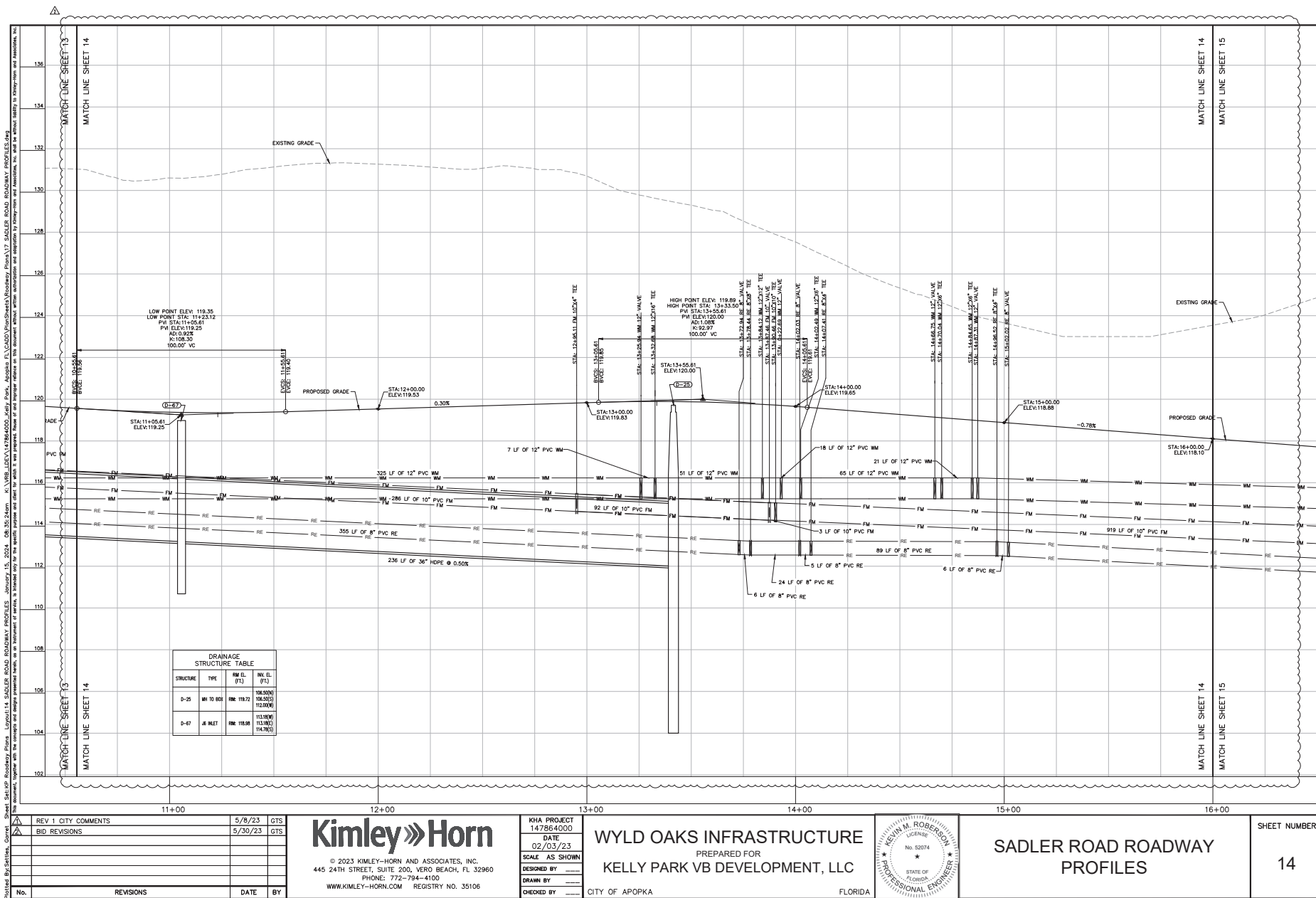


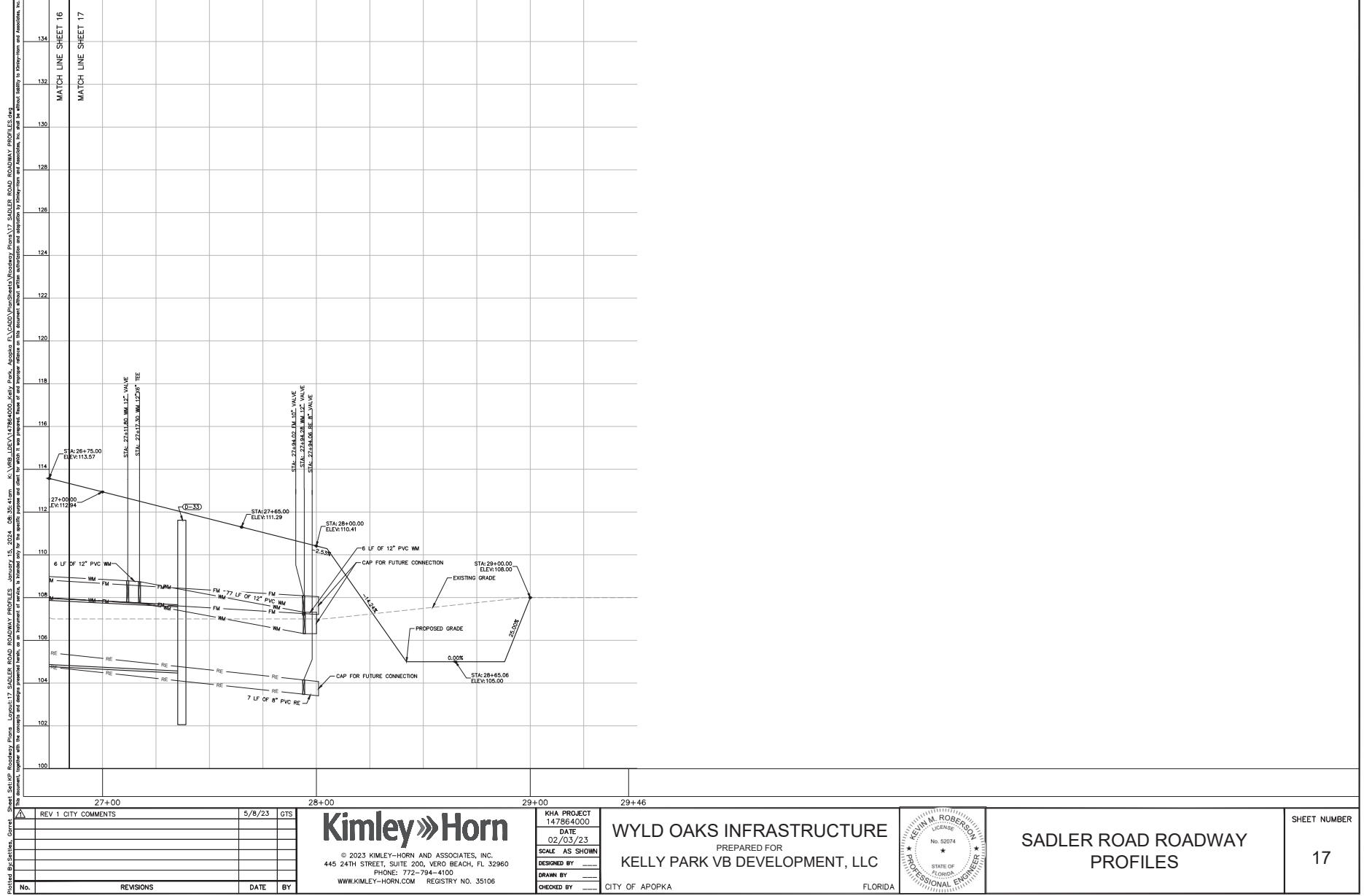
ROADWAY TYPICAL DETAILS

SHEET NUMBER

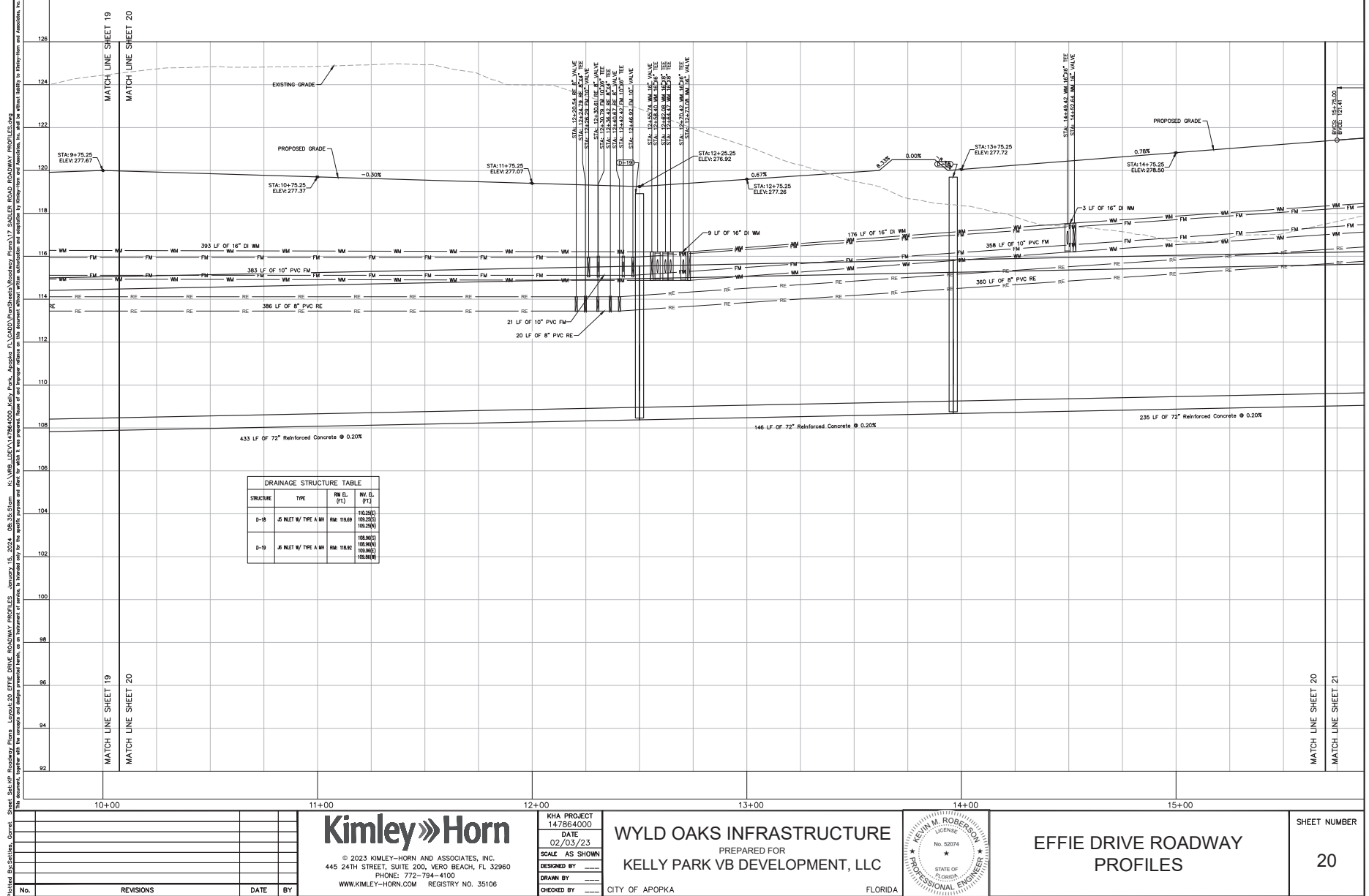
11A











DRAINAGE STRUCTURE TABLE			
STRUCTURE	TYPE	INLET (FT)	INLET (FT)
D-19	8" INLET W/ TYPE A MH	108.88	110.25
D-19	8" INLET W/ TYPE A MH	108.88	108.88

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WYLD OAKS INFRASTRUCTURE
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KELLY PARK VB DEVELOPMENT, LLC

CITY OF APOPKA

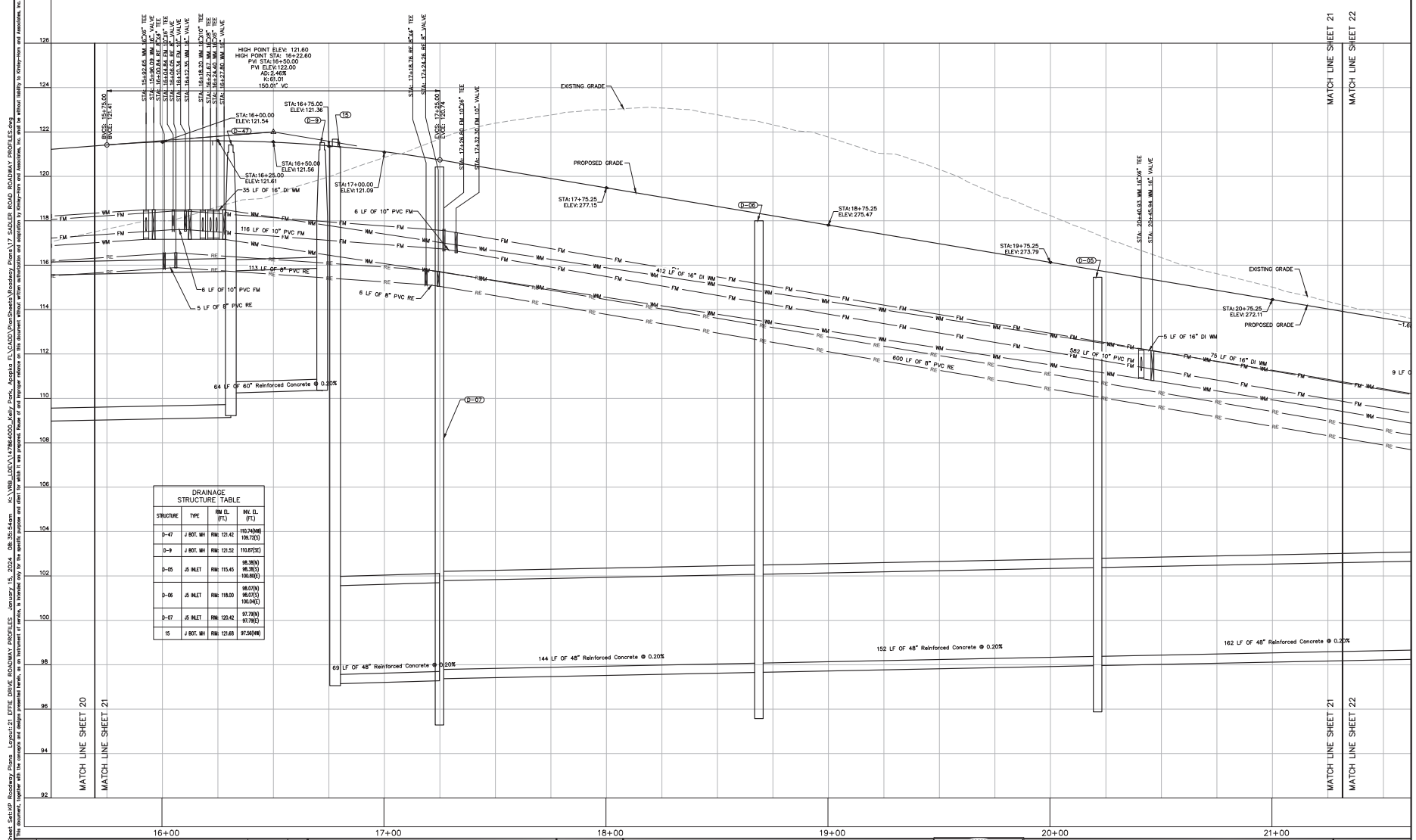
FLORIDA

KEVIN M. ROBERTSON
LICENSE
No. 52074
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

EFFIE DRIVE ROADWAY
PROFILES

SHEET NUMBER
20

Plot: B:\Setups\Roadway\Plans\Layout\20 EFFIE DRIVE ROADWAY PROFILES January 15, 2024 08:35:51am K:\WB\JLV\147864000_Kelly Park_Apopka FL\CADD\PlanSheets\Roadway\Plan\20 EFFIE DRIVE ROADWAY PROFILES.dwg
This document, together with the concept and design presented herein, is an instrument of service, is prepared only for the specific purpose and client for which it was prepared. Release of and engineer's reliance on this document without written authorization and signature by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



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KHA PROJECT
147864000

DATE
02/03/23

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DESIGNED BY

DRAWN BY

CHECKED BY

WYLD OAKS INFRASTRUCTURE

PREPARED FOR

KELLY PARK VB DEVELOPMENT, LLC

CITY OF APOPKA FLORIDA

KEVIN M. ROBERSON

FLORIDA

PROFESSIONAL ENGINEER

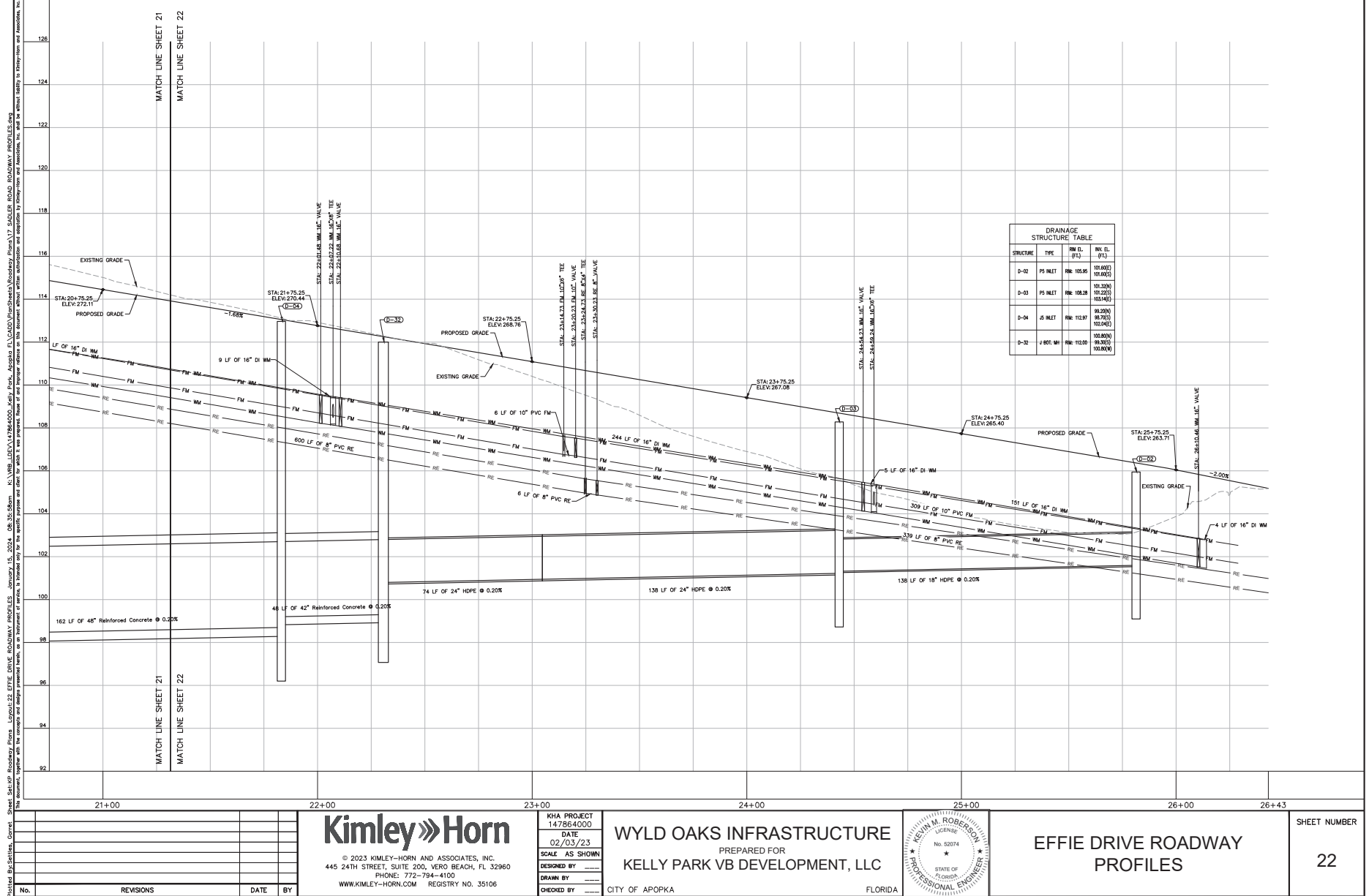
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EFFIE DRIVE ROADWAY PROFILES

SHEET NUMBER

21

No.	REVISIONS	DATE	BY



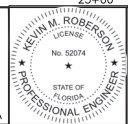
DRAINAGE STRUCTURE TABLE			
STRUCTURE	TYPE	WM DL (#1)	WM DL (#1)
D-02	PS INLET	WM: 105.95	WM: 105.95
D-03	PS INLET	WM: 108.28	WM: 108.28
D-04	JS INLET	WM: 112.87	WM: 112.87
D-05	J BOT. WM	WM: 112.00	WM: 112.00

Plot: B:\Set-Up\Roadway\Roadway Plans\Layout 22\Effie Drive Roadway Profiles January 15, 2024 08:35:58am K:\WB\LD\A\1764000_Kelly Park_VB\LD\A\1764000_Roadway Plans\Layout 22\Effie Drive Roadway Profiles.dwg
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KHA PROJECT	147864000
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CITY OF APOPKA FLORIDA



EFFIE DRIVE ROADWAY PROFILES

SHEET NUMBER
22

WATERMAIN

PIPE TABLE -- WM	
PIPE MATERIAL	LENGTH
6" PVC	52'
6" PVC	3'
6" PVC	62'
6" PVC	59'
6" PVC	59'
6" PVC	10'
6" PVC	50'
6" PVC	12'
6" PVC	14'
6" PVC	62'
6" PVC	14'
6" PVC	14'
6" PVC	60'
6" PVC	14'
6" PVC	14'

PIPE TABLE - WM	
PIPE MATERIAL	LENGTH
6" PVC	10'
6" PVC	10'
6" PVC	49'
6" PVC	49'
6" PVC	10'
6" PVC	14"
6" PVC	45"
6" PVC	14"
6" PVC	42"
6" PVC	43"
6" PVC	14"
6" PVC	1"
6" PVC	1"
6" PVC	2"
6" PVC	1"

[illegible]

PIPE MATERIAL	LENGTH
6" PVC	1'
6" PVC	1'
6" PVC	1'
6" PVC	1'
6" PVC	11'
8" PVC	62'
8" PVC	14'
8" PVC	59'
8" PVC	10'
8" PVC	1'
8" PVC	1'
8" PVC	2'
8" PVC	1'

PIPE TABLE - WM	
PIPE MATERIAL	LENGTH
8" PVC	1'
8" PVC	1'
10" PVC	3'
10" PVC	8'
10" PVC	6"
10" PVC	14"
10" PVC	14"
10" PVC	14"
10" PVC	59'
10" PVC	14"
10" PVC	1'
10" PVC	2'
10" PVC	1'
10" PVC	1'

PIPE TABLE -- WM	
PIPE MATERIAL	LENGTH
10" PVC	1'
10" PVC	1'
12" PVC	5'
12" PVC	73'
12" PVC	31'
12" PVC	23'
12" PVC	52'
12" PVC	176'
12" PVC	218'
12" PVC	7"
12" PVC	3'
12" PVC	6'
12" PVC	345'
12" PVC	6'
12" PVC	350'

PIPE TABLE — MM	
PIPE MATERIAL	LENGTH
12" PVC	3'
12" PVC	414"
12" PVC	3'
12" PVC	9'
12" PVC	51'
12" PVC	325'
12" PVC	400'
12" PVC	56'
12" PVC	22'
12" PVC	6'
12" PVC	3'
12" PVC	9'
12" PVC	77'
12" PVC	8'
12" PVC	10'

PIPE TABLE -- WM	
PIPE MATERIAL	LENGT
12" PVC	6'
12" PVC	6'
12" PVC	2'
12" PVC	14'
12" PVC	3'
12" PVC	15'
12" PVC	6'
12" PVC	12'
12" PVC	9'
12" PVC	21'
12" PVC	3'
12" PVC	9'
12" PVC	3'
12" PVC	2'
12" PVC	64'

PIPE MATERIAL	LENG
12" PVC	6'
12" PVC	7'
16" DI	1'
16" DI	90'
16" DI	5'
16" DI	6'
16" DI	6'
16" DI	16'
16" DI	3'
16" DI	3'
16" DI	3'
16" DI	6'
16" DI	6'
16" DI	5'
16" DI	412'

PIPE MATERIAL	LENGTH
16" DI	176
16" DI	393
16" DI	400
16" DI	37
16" DI	3
16" DI	3
16" DI	4
16" DI	151
16" DI	3
16" DI	10
16" DI	73
16" DI	5
16" DI	3
16" DI	3
16" DI	140

PIPE TABLE -- WM	
PIPE MATERIAL	LENGTH
16" DI	3'
16" DI	3'
16" DI	6'
16" DI	2'
16" DI	4'
16" DI	3'
16" DI	3'
16" DI	28'
16" DI	3'
16" DI	7'
16" DI	3'
16" DI	8'
16" DI	15'
16" DI	24'
16" DI	75'

RECLAIM

PIPE TABLE -- RE	
PIPE MATERIAL	LENGTH
4" PVC	3'
4" PVC	2'
4" PVC	2'
4" PVC	2'
4" PVC	2'
4" PVC	2'
4" PVC	2'
4" PVC	8'
4" PVC	65'
4" PVC	65'
4" PVC	59'
4" PVC	59'
4" PVC	59'
4" PVC	5'

PIPE TABLE - RE	
PIPE MATERIAL	LENGTH
4" PVC	81'
4" PVC	9'
4" PVC	65'
4" PVC	65'
4" PVC	7'
4" PVC	6'
4" PVC	2'
4" PVC	11'
4" PVC	58'
4" PVC	2'
4" PVC	2'
4" PVC	4'
8" PVC	7'
8" PVC	600'

PIPE MATERIAL	LENGTH
8" PVC	113'
8" PVC	4'
8" PVC	339'
8" PVC	360'
8" PVC	6'
8" PVC	386'
8" PVC	5'
8" PVC	54'
8" PVC	25'
8" PVC	4'
8" PVC	227'
8" PVC	212'
8" PVC	32'
8" PVC	46'
8" PVC	6'

PIPE MATERIAL	LENGTH
8" PVC	89'
8" PVC	24'
8" PVC	355'
8" PVC	427'
8" PVC	6'
8" PVC	6'
8" PVC	5'
8" PVC	4'
8" PVC	6'
8" PVC	6'
8" PVC	401'
8" PVC	5'
8" PVC	2'
8" PVC	6'
8" PVC	6'

PIPE MATERIAL	LENGTH
8" PVC	6"
8" PVC	6"
8" PVC	6"
8" PVC	76"
8" PVC	314"
8" PVC	414"
8" PVC	872"

FORCE MAIN

PIPE TABLE -- FM	
PIPE MATERIAL	LENGTH
4" PVC	6"
4" PVC	4"
6" PVC	3"
6" PVC	2"
6" PVC	3"
6" PVC	2"
6" PVC	2"
6" PVC	3"
6" PVC	3"
6" PVC	5"
6" PVC	3"
6" PVC	87"
6" PVC	3"
6" PVC	2"
6" PVC	70"

PIPE TABLE — FM	
PIPE MATERIAL	LENGTH
6" PVC	70'
6" PVC	2'
6" PVC	2'
6" PVC	70'
6" PVC	64'
6" PVC	64'
6" PVC	5'
6" PVC	64'
6" PVC	3'
10" PVC	92'
10" PVC	7'
10" PVC	116'
10" PVC	4'
10" PVC	358'
10" PVC	309'

PIPE TABLE - FM	
PIPE MATERIAL	LENGTH
10" PVC	582'
10" PVC	383'
10" PVC	739'
10" PVC	222'
10" PVC	211'
10" PVC	43'
10" PVC	286'
10" PVC	427'
10" PVC	5'
10" PVC	5'
10" PVC	5'
10" PVC	4'
10" PVC	12'
10" PVC	5'
10" PVC	5'

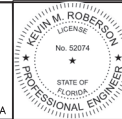
PIPE MATERIAL	LENGTH
10" PVC	3'
10" PVC	418'
10" PVC	919'
10" PVC	119'
10" PVC	3'
10" PVC	5'
10" PVC	5'
10" PVC	5'
10" PVC	69'

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KHA PROJECT 147864000	
DATE 02/03/23	
SCALE AS SHOWN	
DESIGNED BY	MD
DRAWN BY	ESM
CHECKED BY	KMR

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CITY OF APOPKA FLORIDA

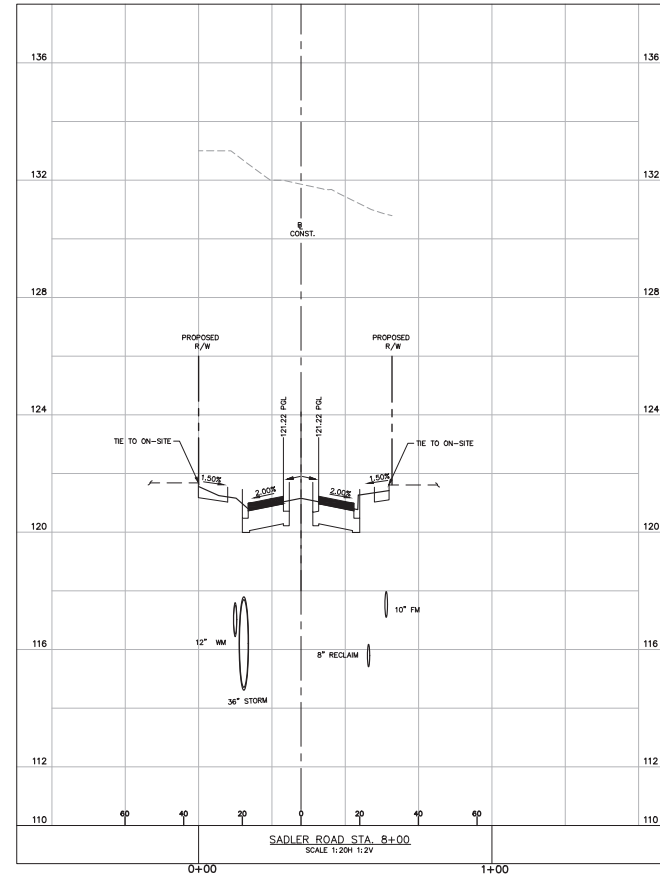
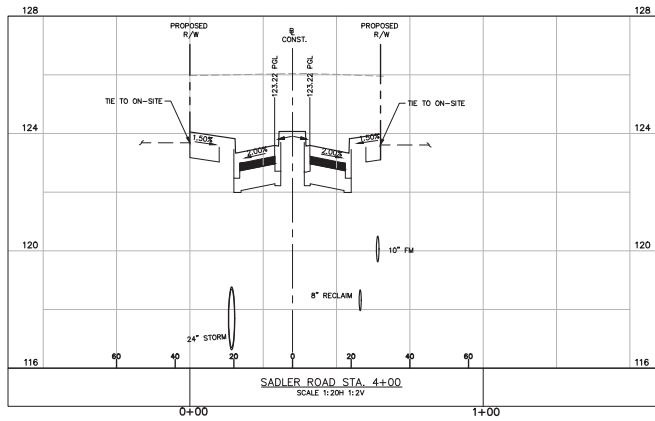


PIPE LENGTH TABLES

SHEET NUMBER

22A

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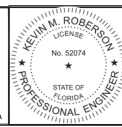
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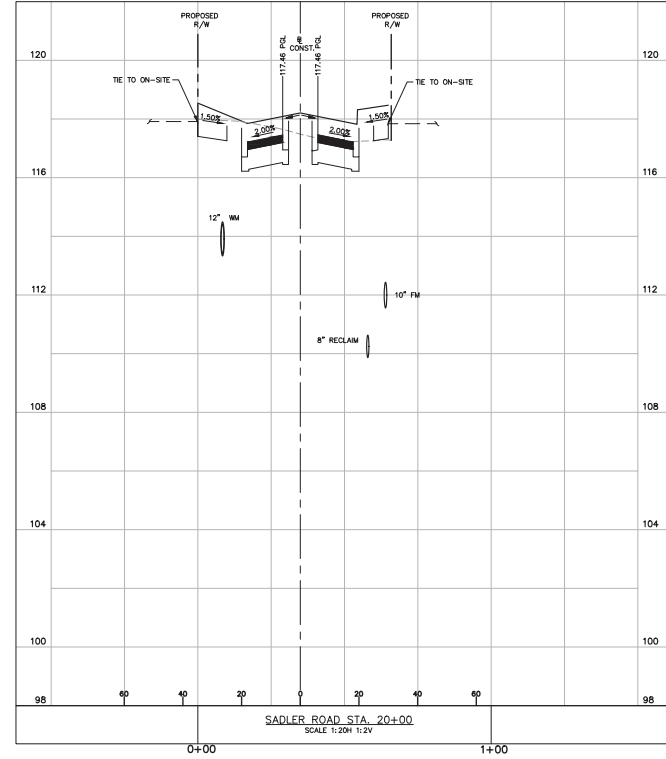
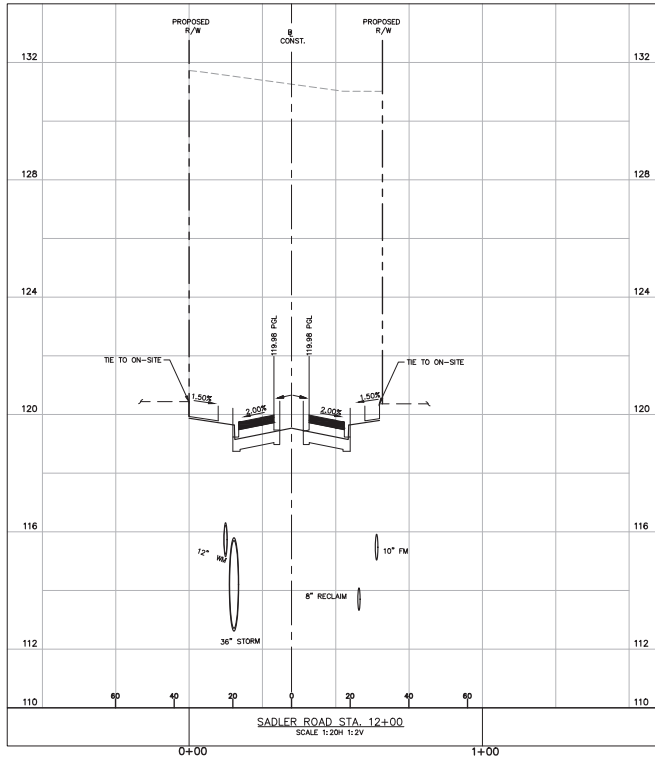
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SADLER ROAD CROSS SECTIONS

SHEET NUMBER
23

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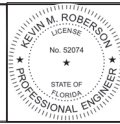


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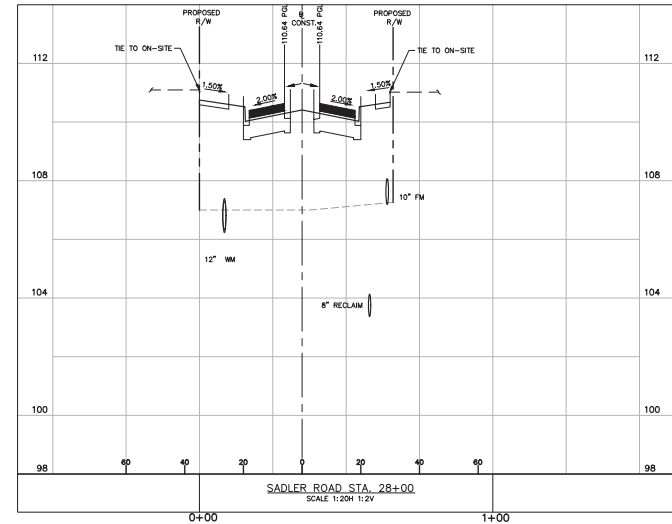
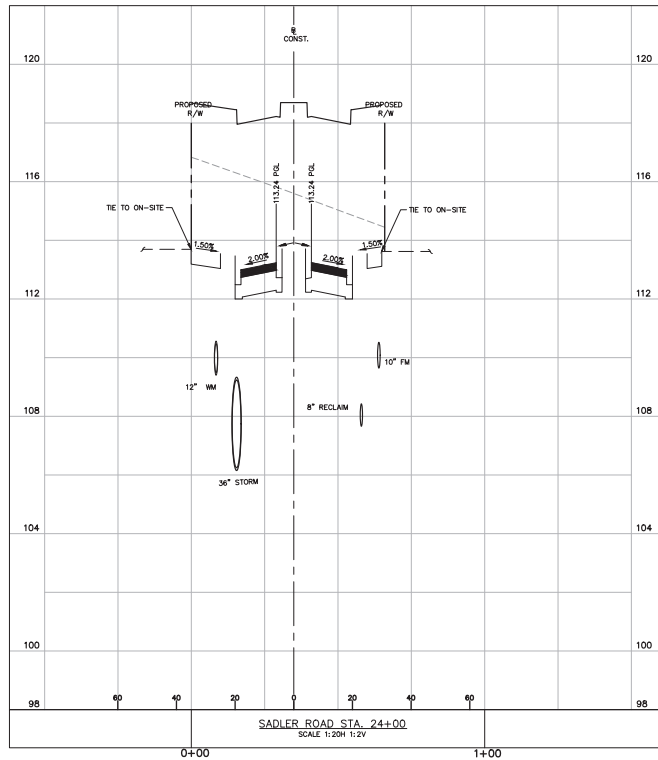
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SADLER ROAD CROSS
SECTIONS

SHEET NUMBER
24

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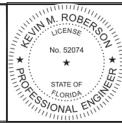


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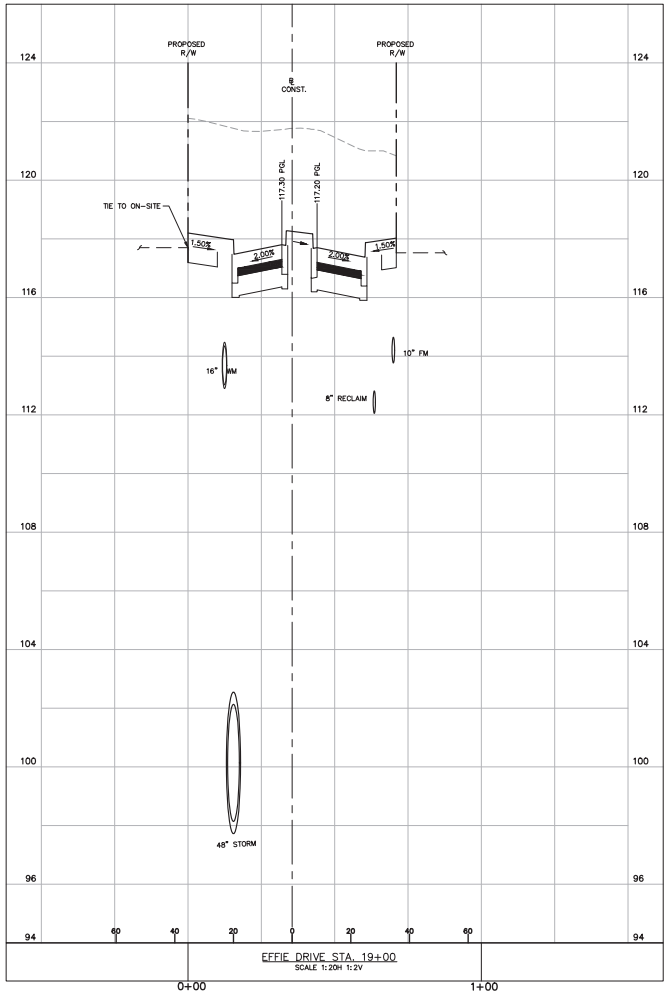
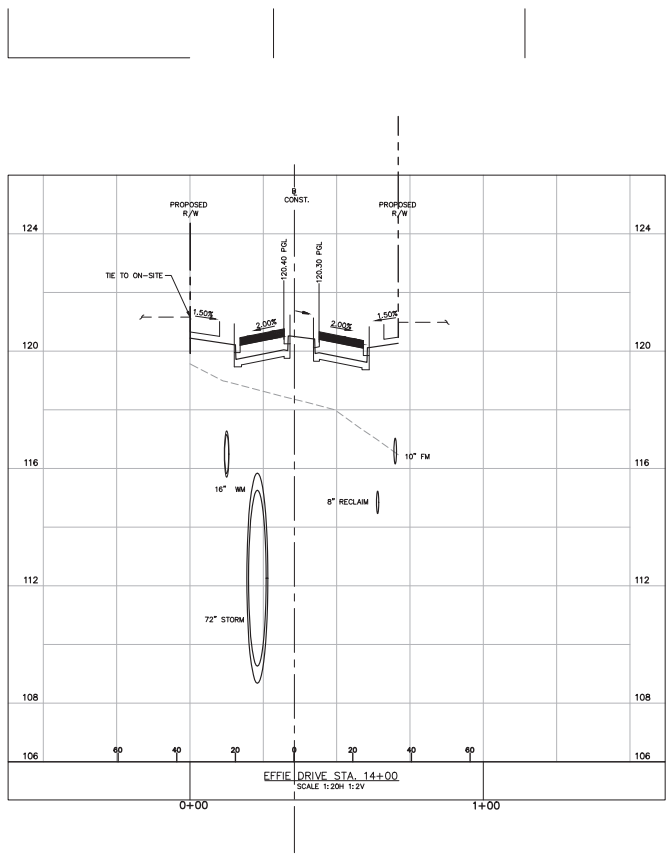
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SADLER ROAD CROSS SECTIONS

SHEET NUMBER
25

Project: Bx Set-Up Roadway Plans Layout: 27 EFFIE DRIVE CROSS SECTIONS January 15, 2024 08:36:50am K:\WB\LD\147864\000_Kelly Park_Apopka FL\000_PlanSheets\Roadway Plans\27 SABLE ROAD CROSS SECTIONS.dwg
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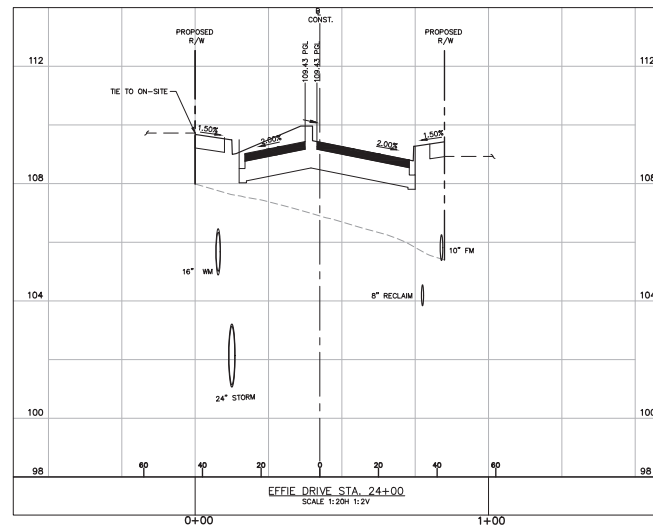
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KEVIN M. ROBERTSON
LICENSE
No. 52074
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PROFESSIONAL ENGINEER

EFFIE DRIVE CROSS SECTIONS

SHEET NUMBER
27

Plotted By: Settles, Garret Sheet Set: KP Roadway Plans Layout: 28 EFTE DRIVE CROSS SECTIONS January 15, 2024 08:36:53am K:\VRB_LDE\147864000_Kelly Park_CAUD\PlanSheets\Roadway Plans\23 SADLER ROAD CROSS SECTIONS.dwg



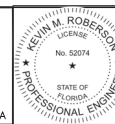
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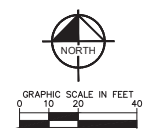
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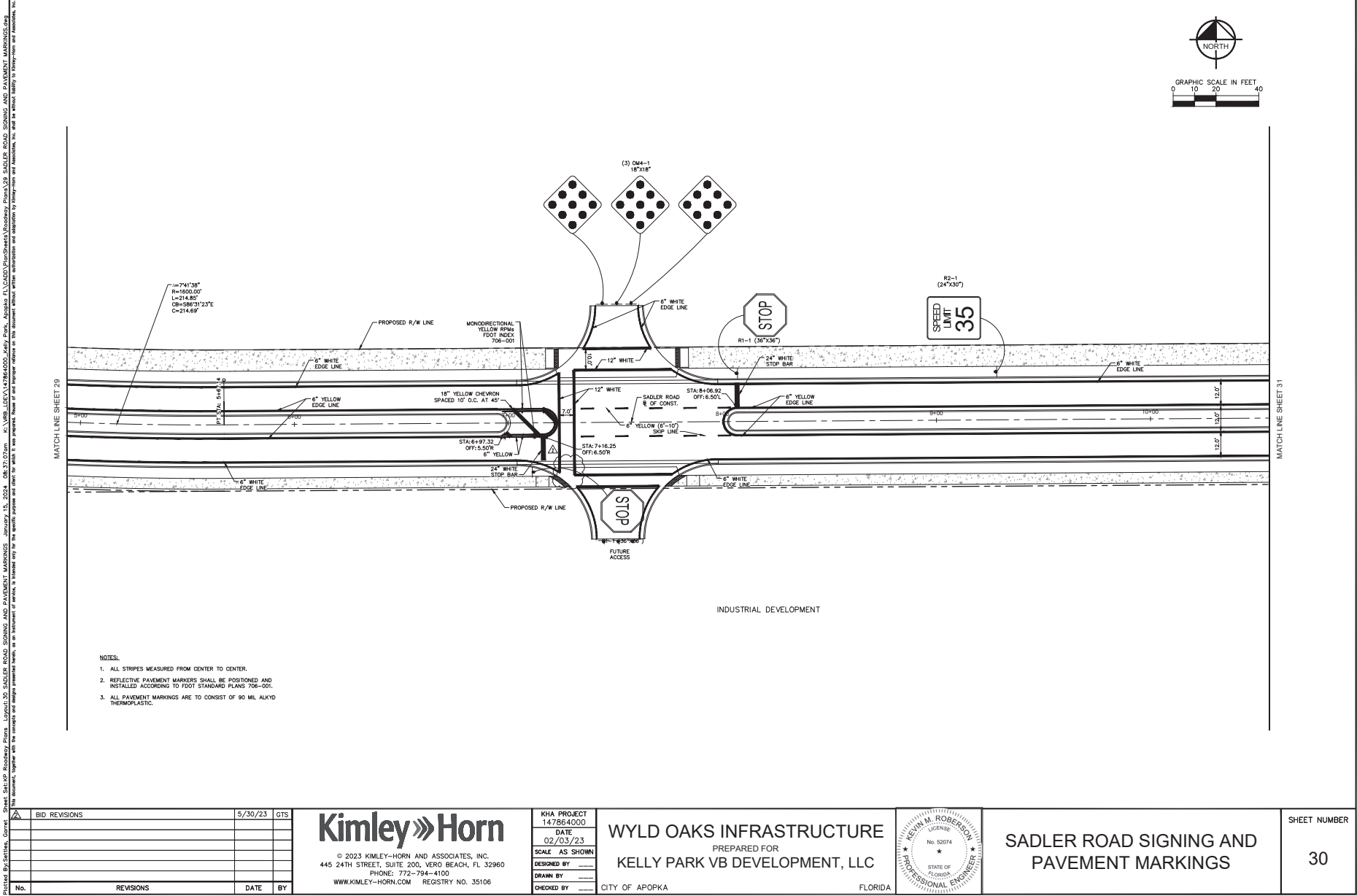
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EFFIE DRIVE CROSS SECTIONS

SHEET NUMBER
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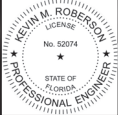
- NOTES:
1. ALL STRIPES MEASURED FROM CENTER TO CENTER.
 2. REFLECTIVE PAVEMENT MARKERS SHALL BE POSITIONED AND INSTALLED ACCORDING TO FOOT STANDARD PLANS 706-001.
 3. ALL PAVEMENT MARKINGS ARE TO CONSIST OF 90 ML ALKYD THERMOPLASTIC.

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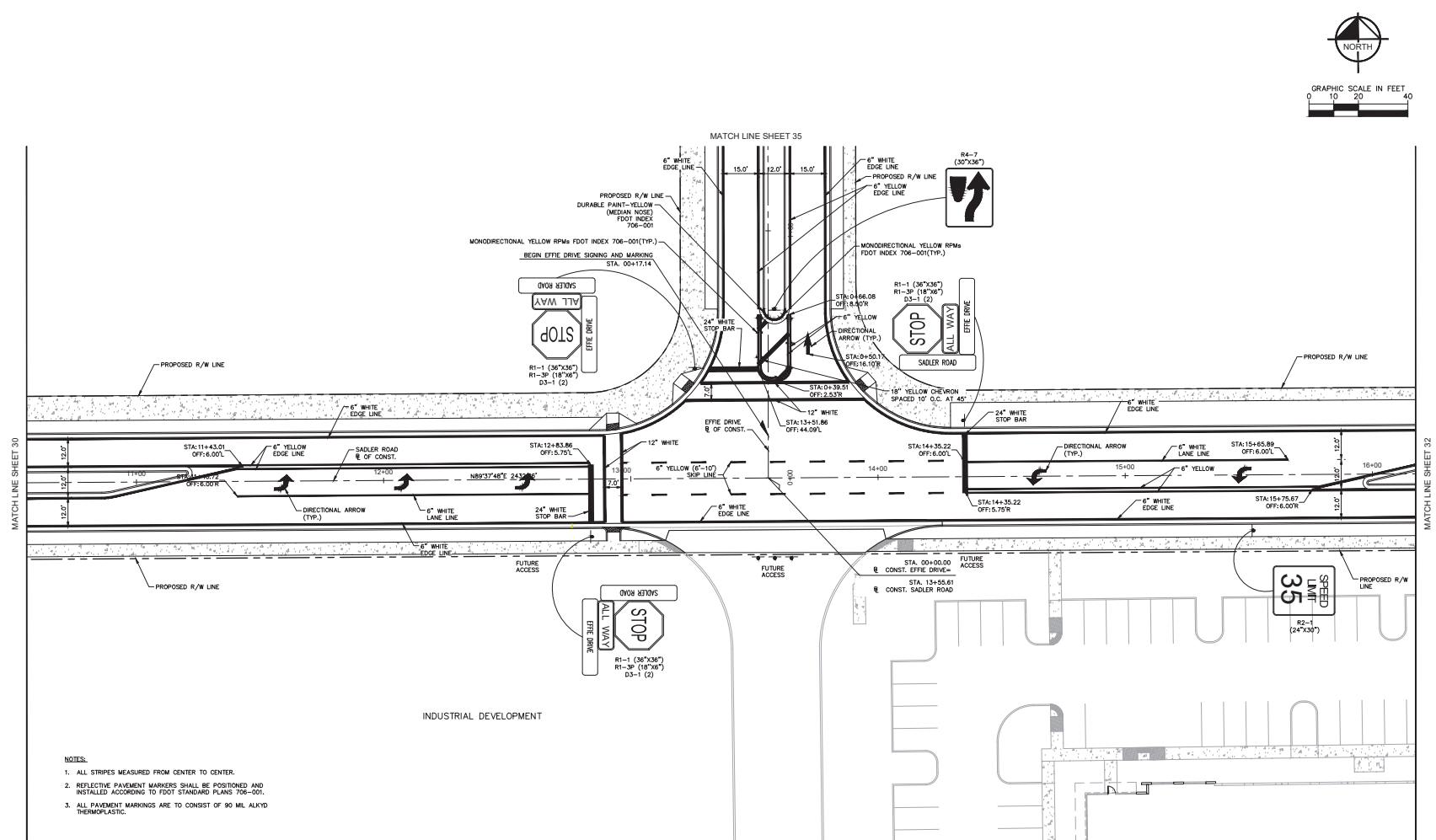
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**SADLER ROAD SIGNING AND
PAVEMENT MARKINGS**

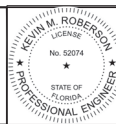
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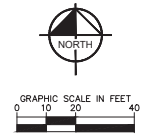
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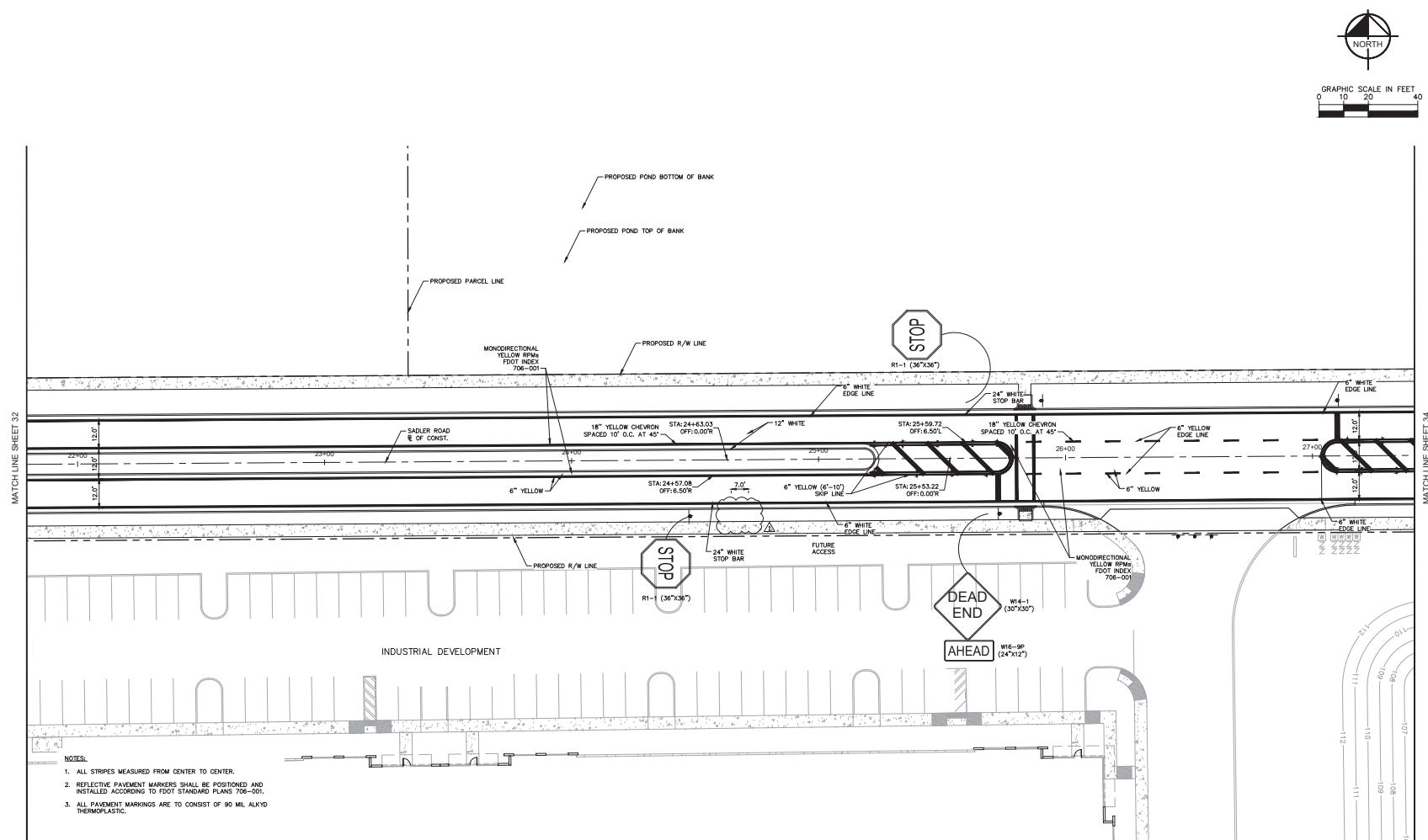


SADLER ROAD SIGNING AND PAVEMENT MARKINGS

SHEET NUMBER
31



SHEET NUMBER
32

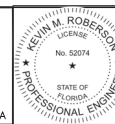


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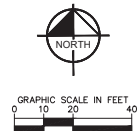
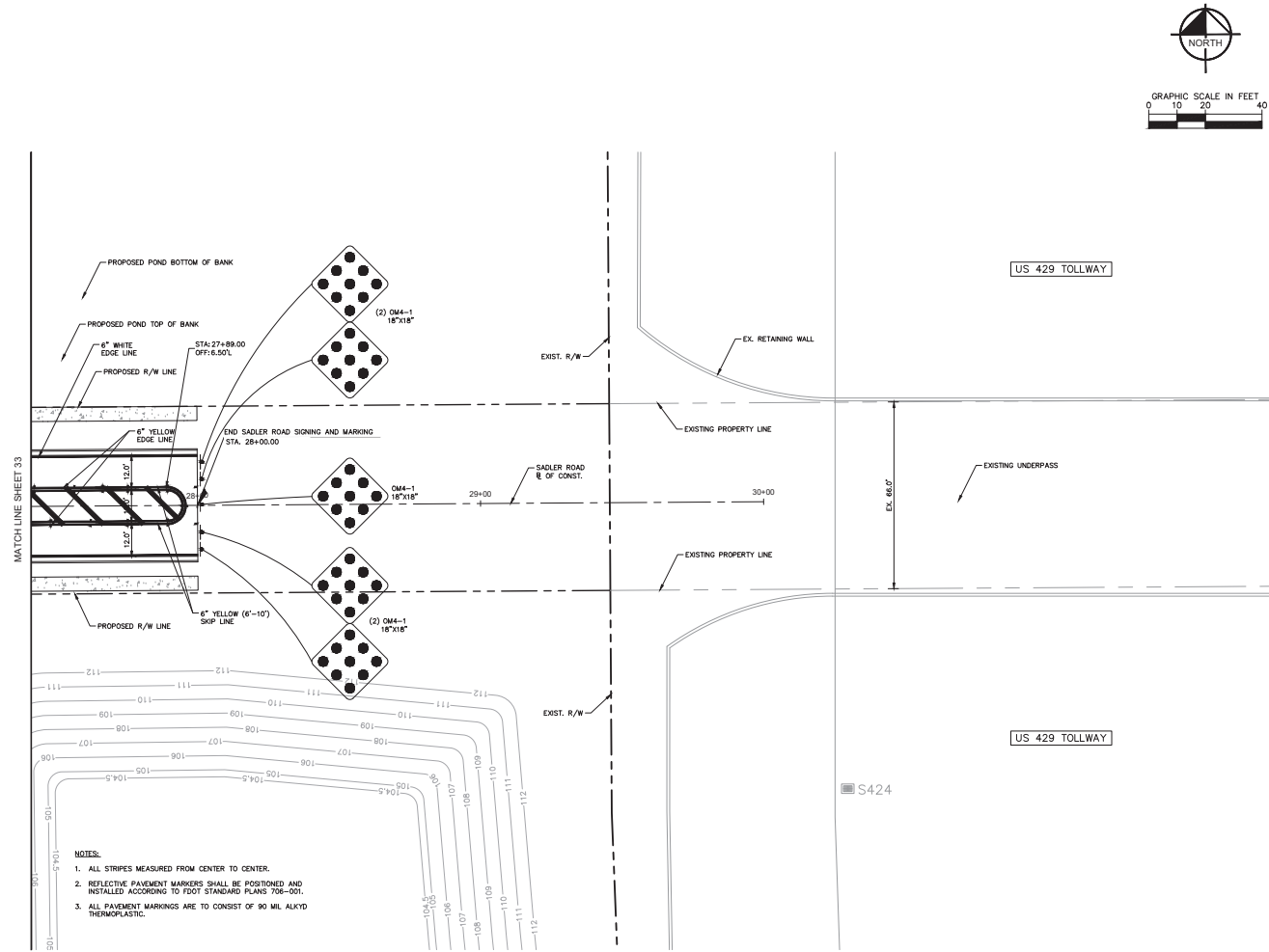
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SADLER ROAD SIGNING AND PAVEMENT MARKINGS

SHEET NUMBER
33

Project: Kelly Park Roadway Plans, Layout 34, Sadler Road Signing and Pavement Markings, January 15, 2024, 08:37:20am, K:\VIR\LD\147864000\Kelly Park, Apopka, FL\LD\147864000\Plan\Sheet\Roadway Plans\34 Sadler Road Signing and Pavement Markings.dwg
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 - 2. REFLECTIVE PAVEMENT MARKERS SHALL BE POSITIONED AND INSTALLED ACCORDING TO FDOT STANDARD PLANS 708-001.
 - 3. ALL PAVEMENT MARKINGS ARE TO CONSIST OF 90 MIL ALKYL D THERMOPLASTIC.

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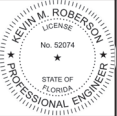
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CITY OF APOPKA

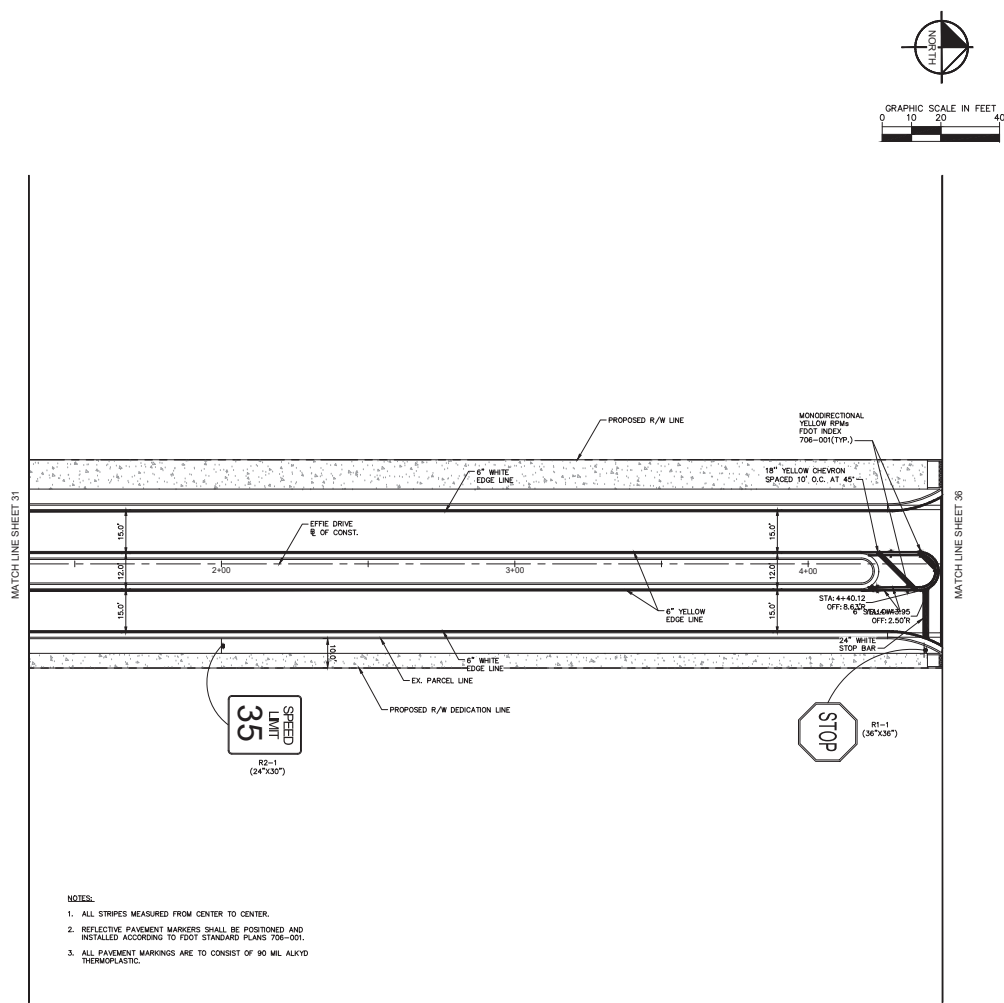
FLORIDA



**SADLER ROAD SIGNING AND
PAVEMENT MARKINGS**

SHEET NUMBER
34

Plotted By: Set-Up Roadway Plans Layout: 35 EFFIE DRIVE SIGNING AND PAVEMENT MARKINGS January 15, 2024 08:37:25am K:\VIB\JUE\147864000_Kelly Park_VB\CAAD\Roadway\Roadway Plans\35 SLOLER ROAD SIGNING AND PAVEMENT MARKINGS.dwg
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- NOTES:
1. ALL STRIPES MEASURED FROM CENTER TO CENTER.
 2. REFLECTIVE PAVEMENT MARKERS SHALL BE POSITIONED AND INSTALLED ACCORDING TO FDOT STANDARD PLANS 706-001.
 3. ALL PAVEMENT MARKINGS ARE TO CONSIST OF 90 MIL ALKYL THERMOPLASTIC.

No.	REVISIONS	DATE	BY

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PHONE: 772-794-4100
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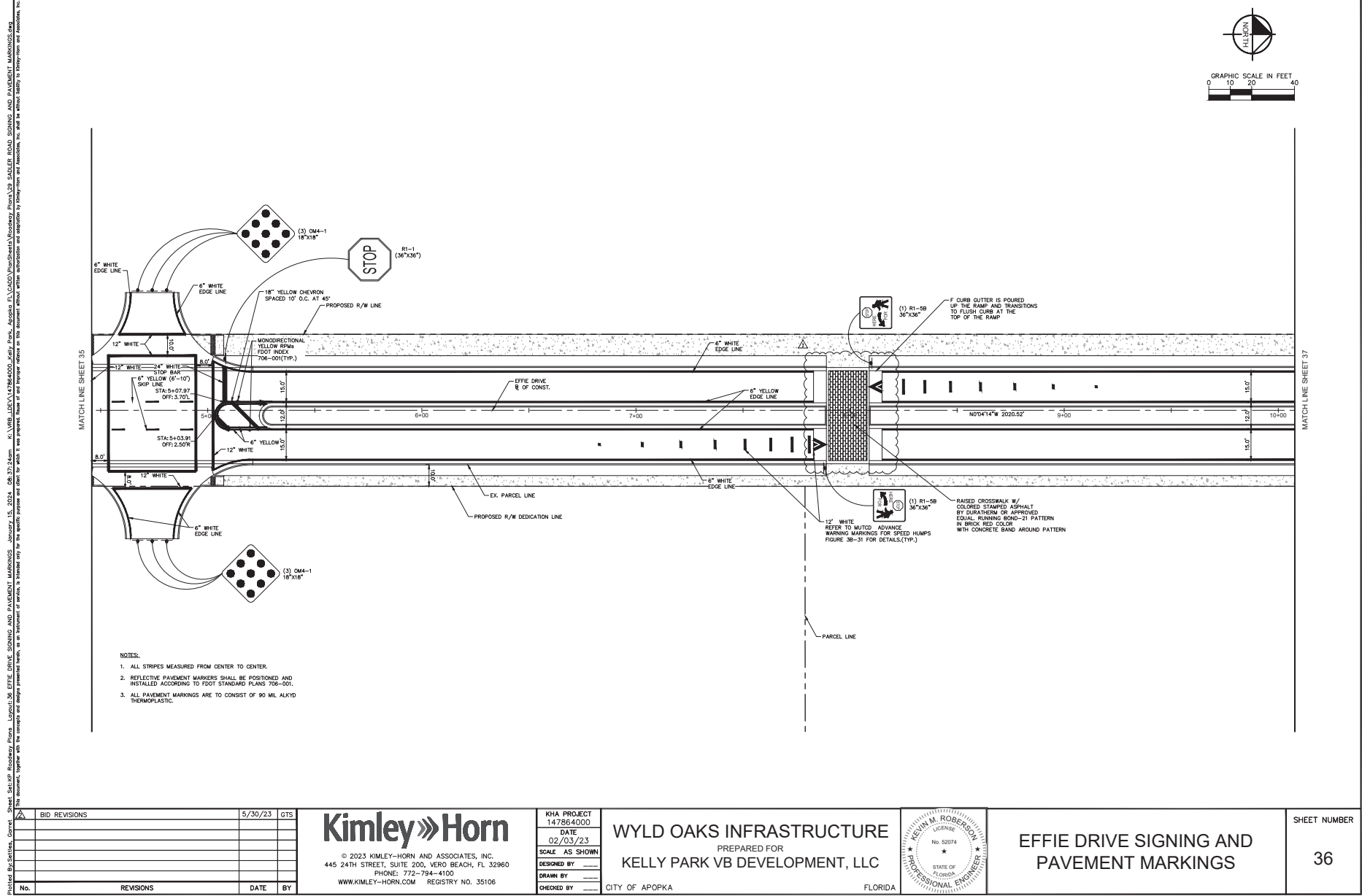
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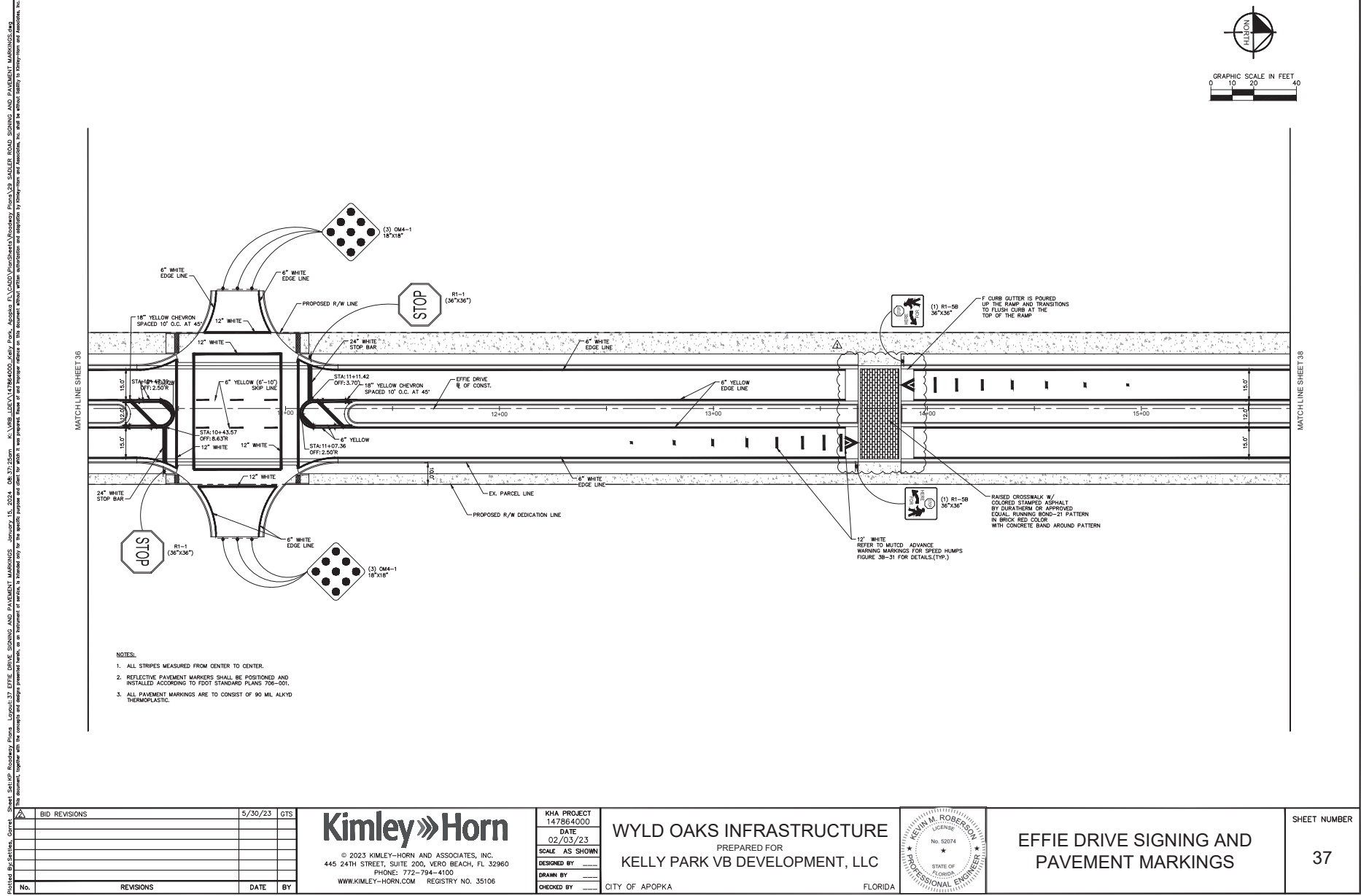
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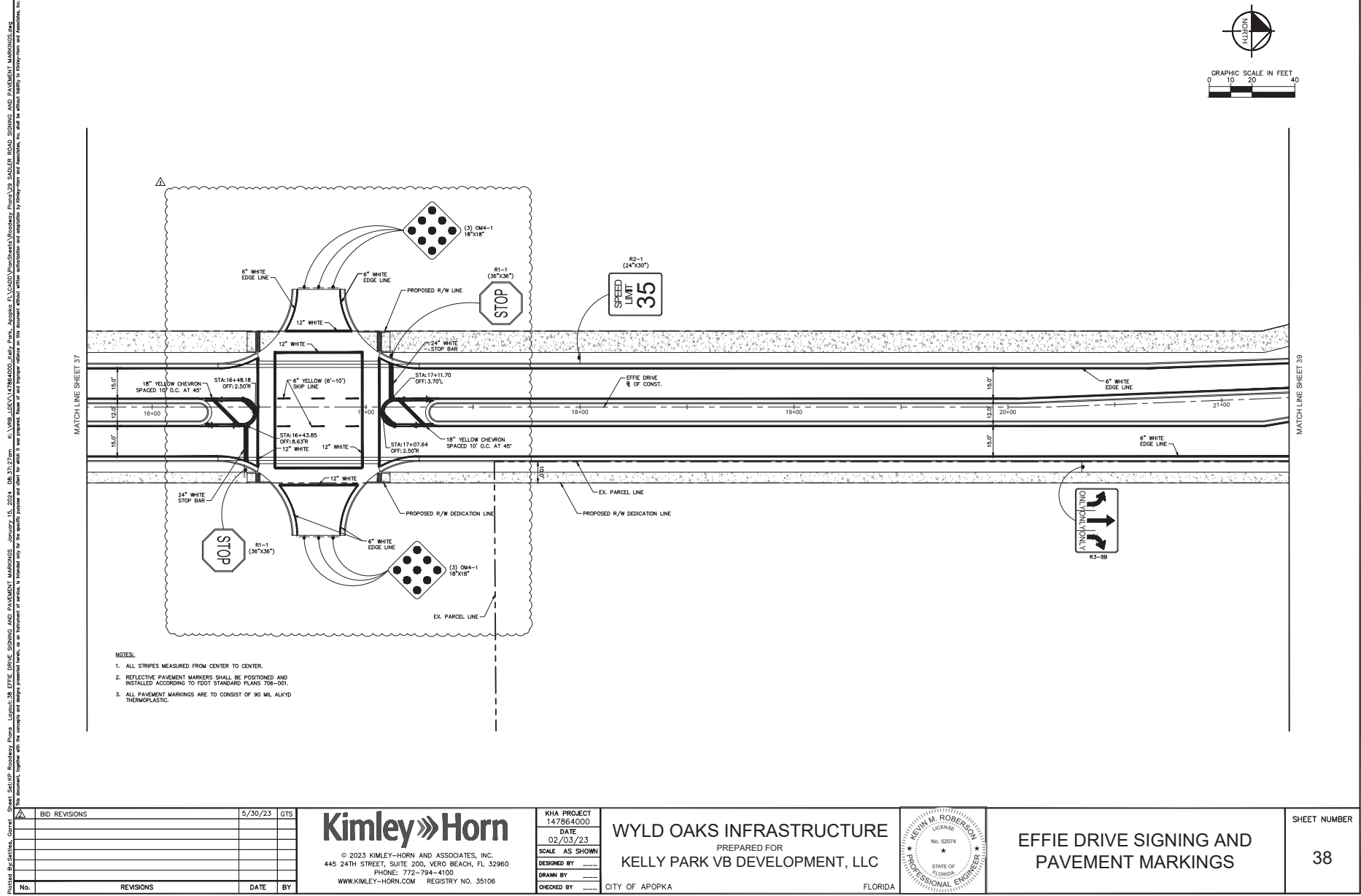


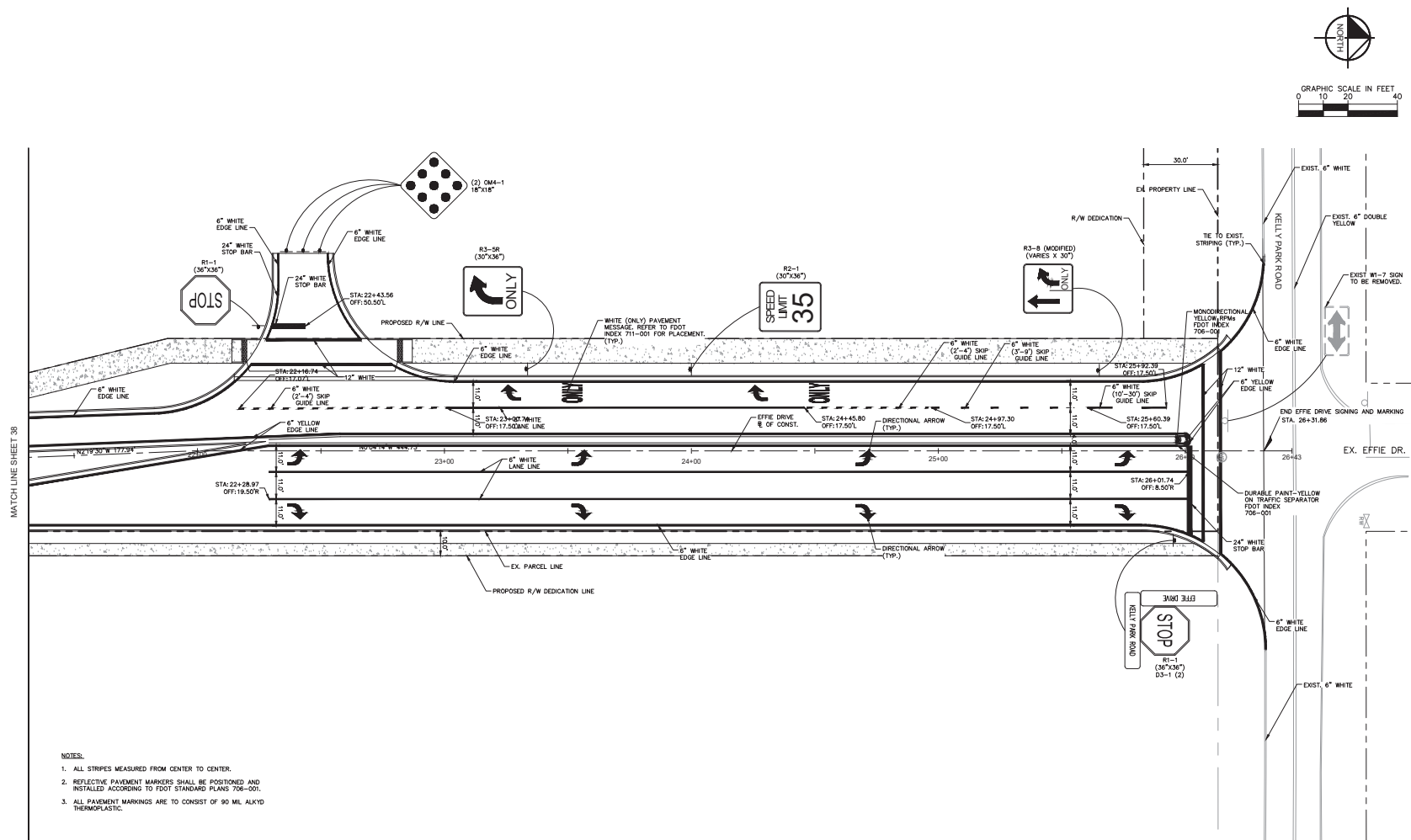
EFFIE DRIVE SIGNING AND PAVEMENT MARKINGS

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35









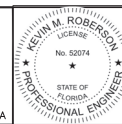
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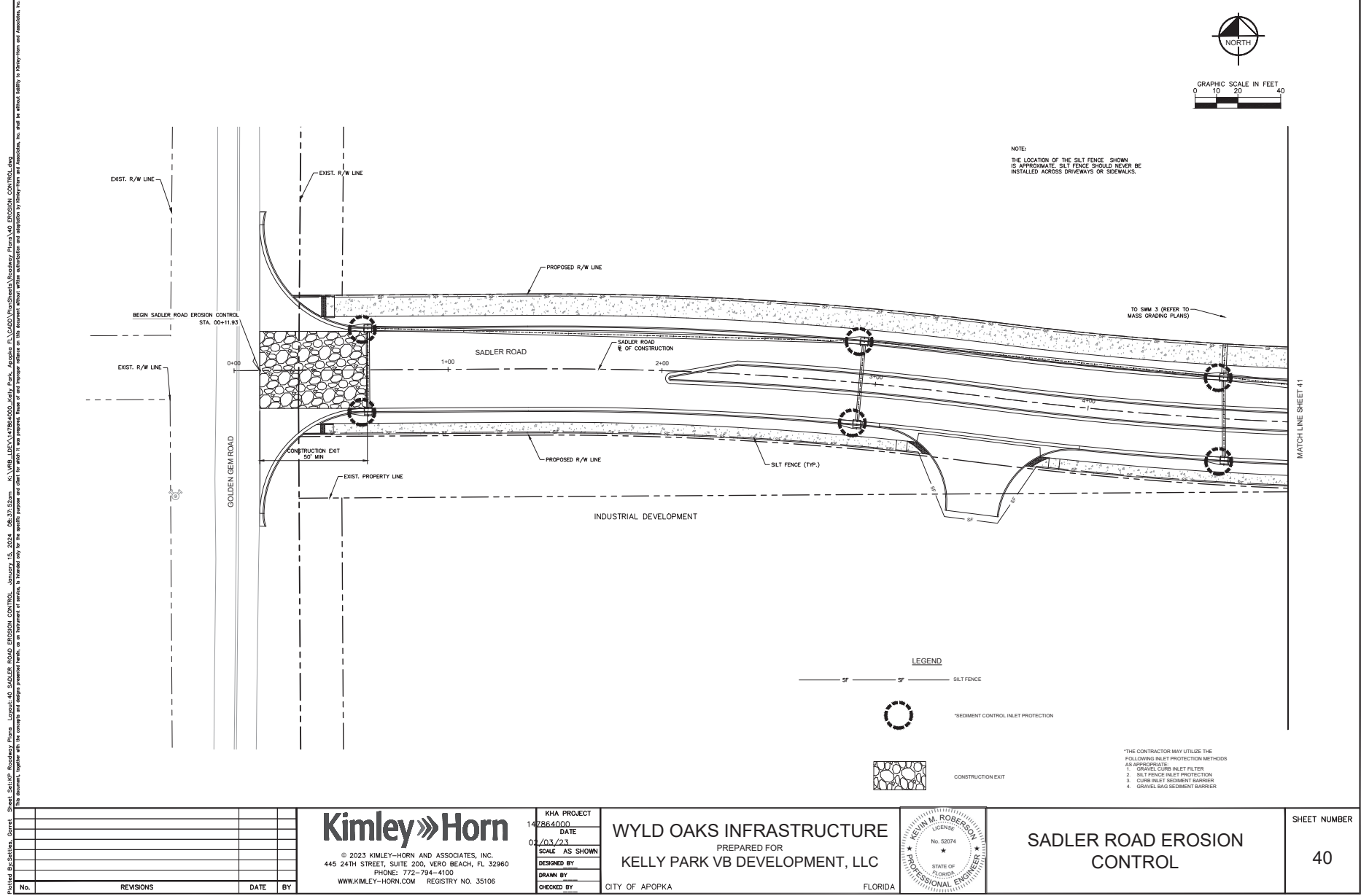
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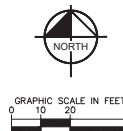


EFFIE DRIVE SIGNING AND PAVEMENT MARKINGS

SHEET NUMBER

39



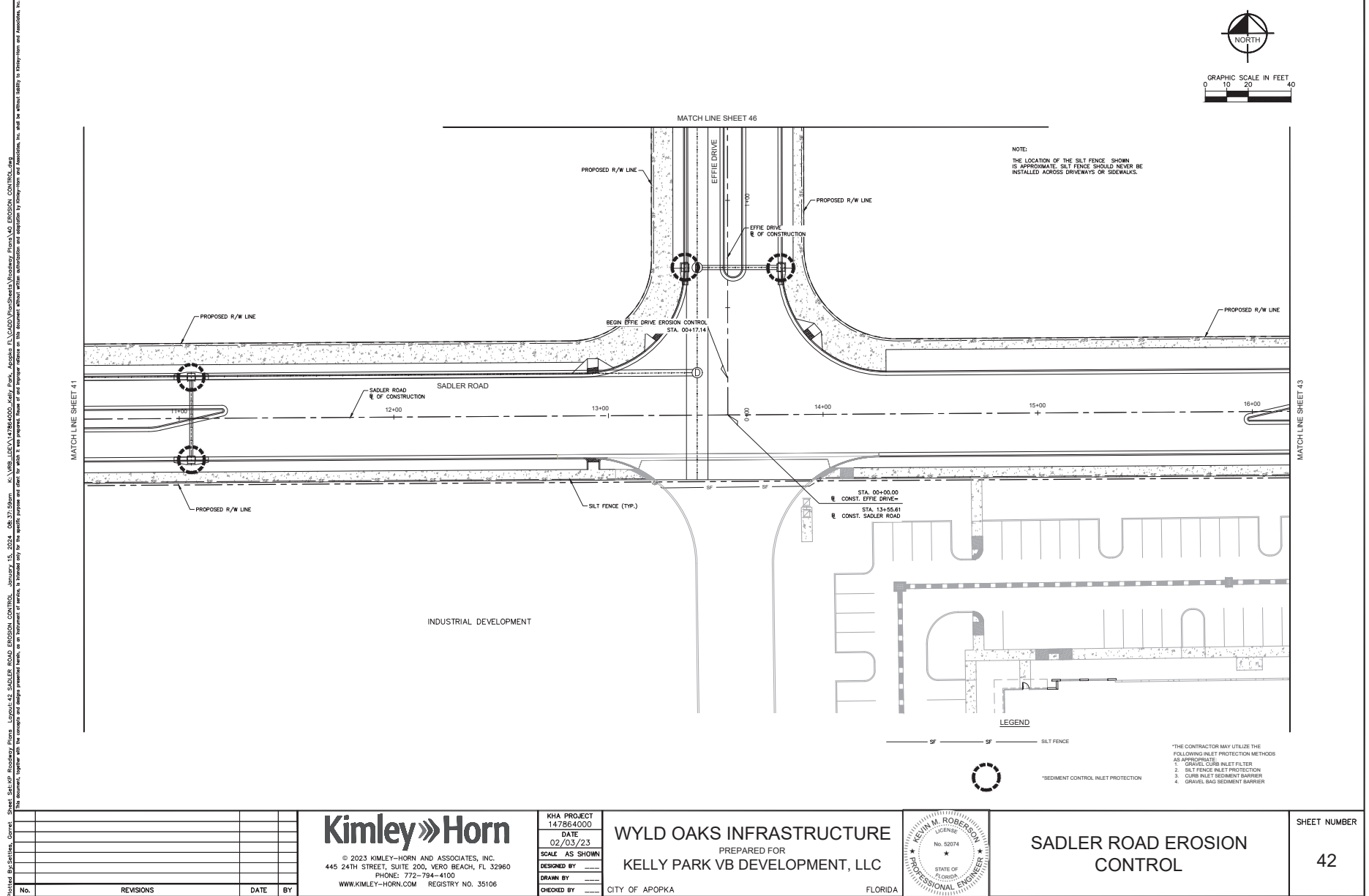


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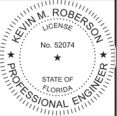


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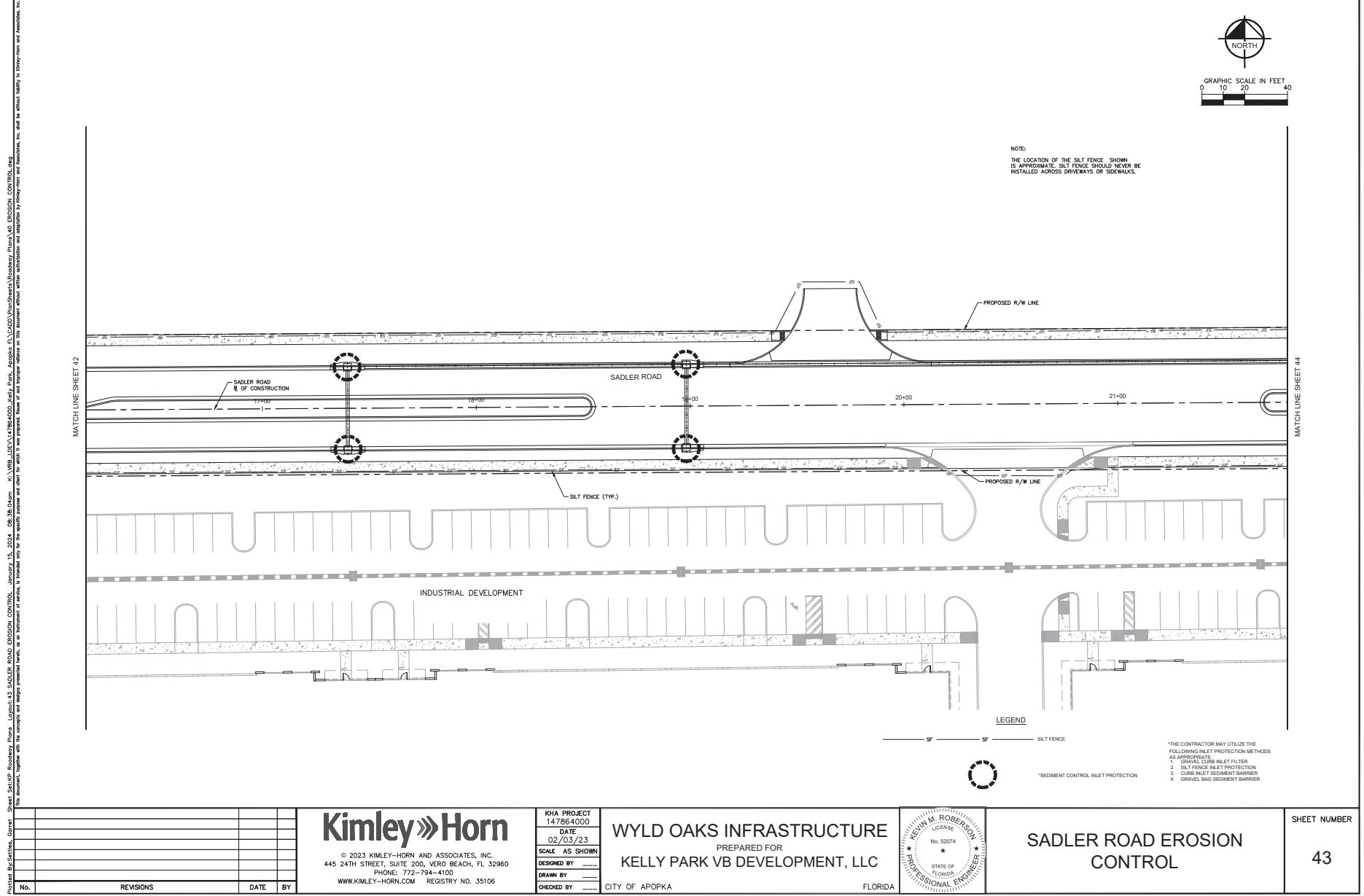
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SADLER ROAD EROSION CONTROL

SHEET NUMBER
42



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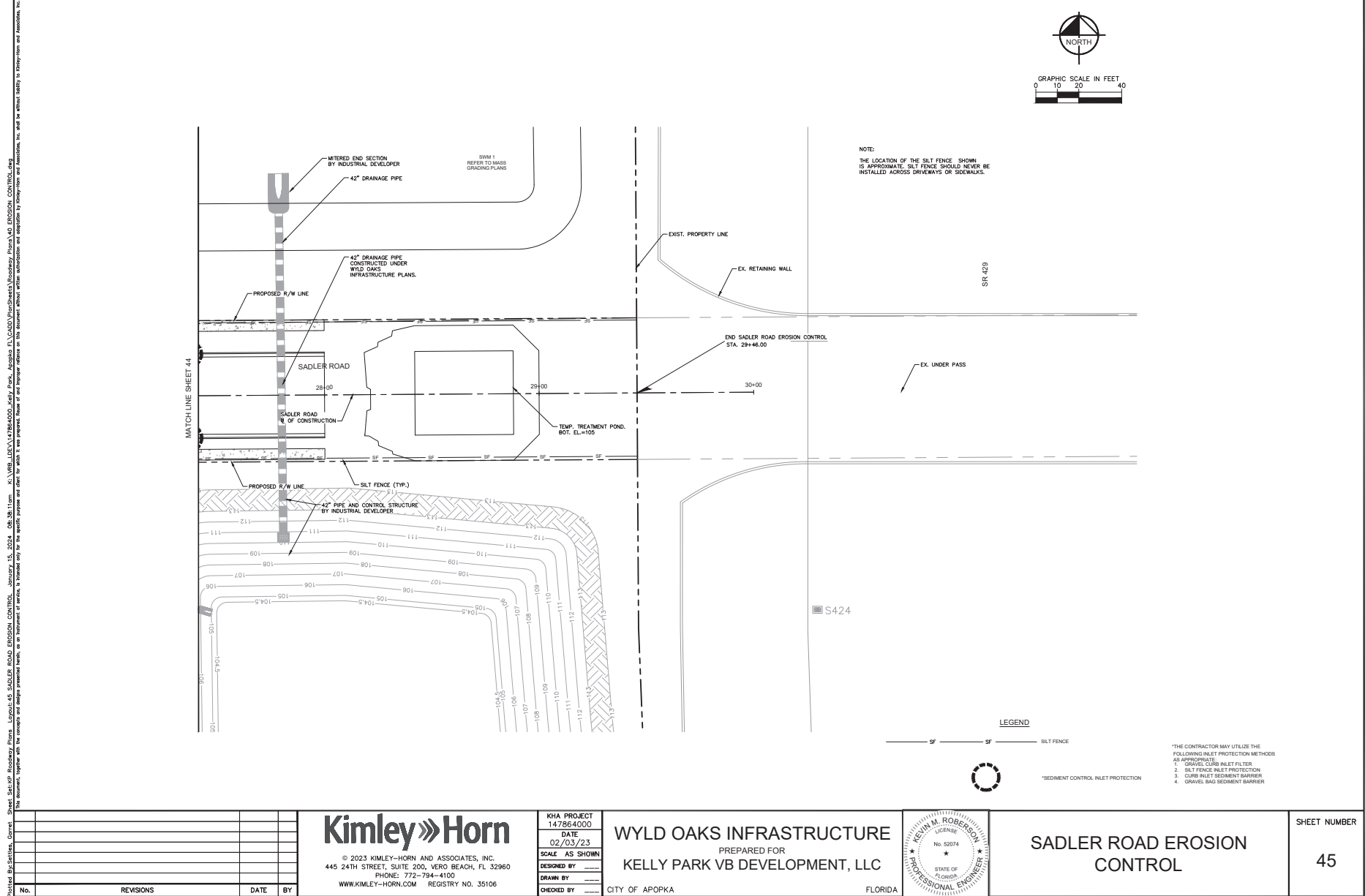
CITY OF APOPKA FLORIDA

1/15/24

Professional Engineer
KEVIN M. ROBERSON
No. 52074
STATE OF FLORIDA

SADLER ROAD EROSION CONTROL

SHEET NUMBER
43

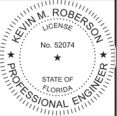


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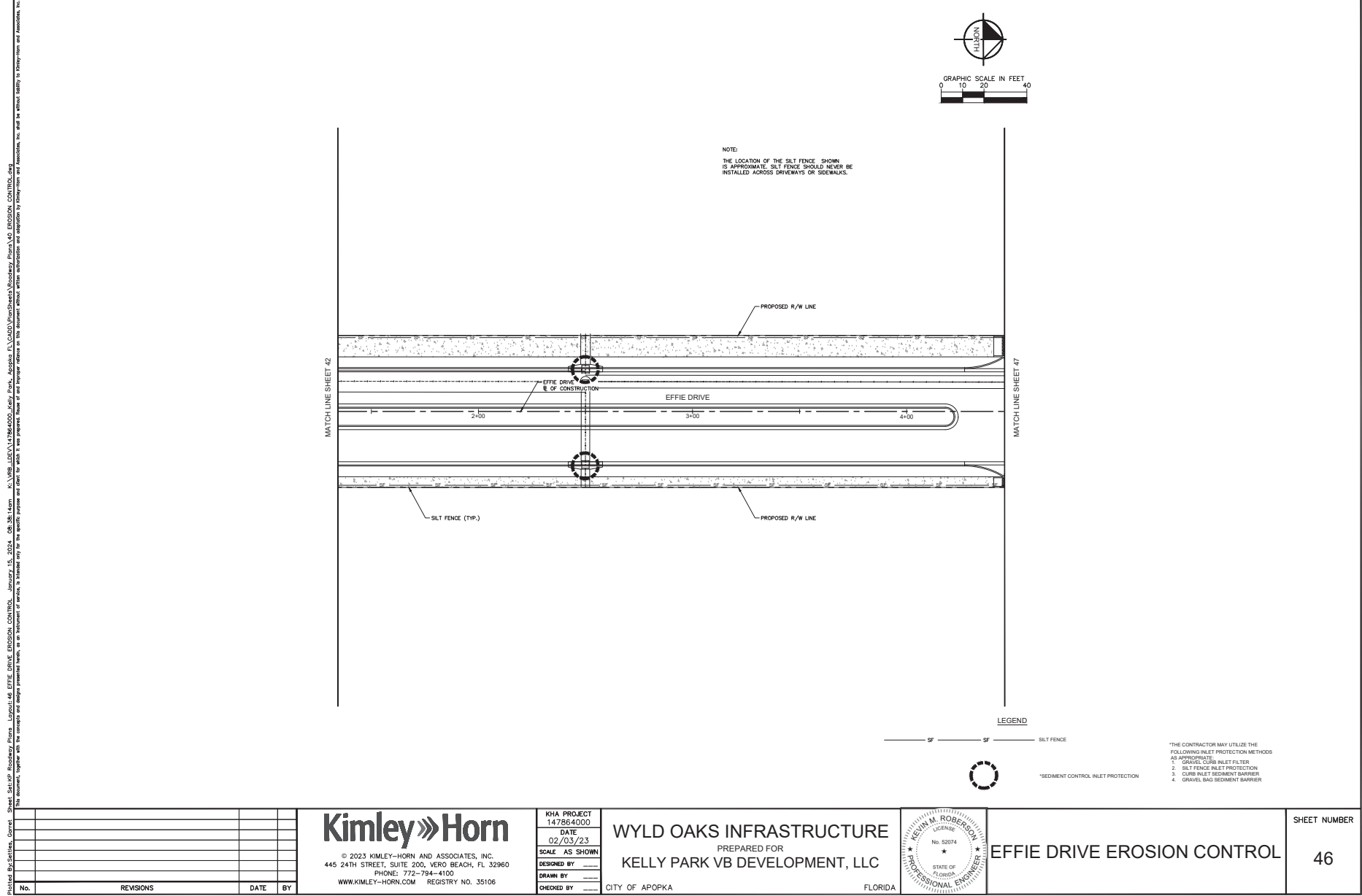
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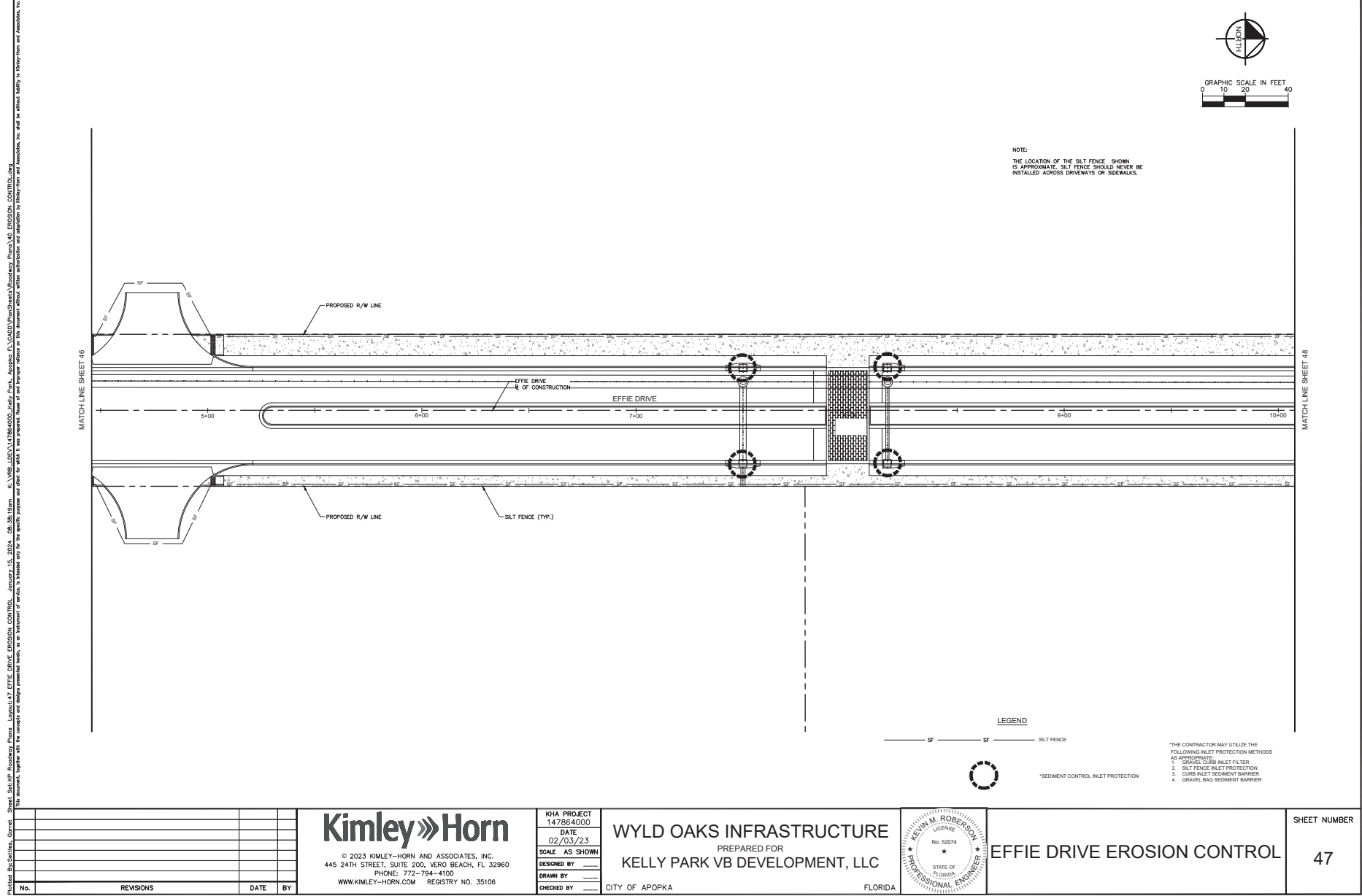
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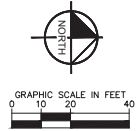


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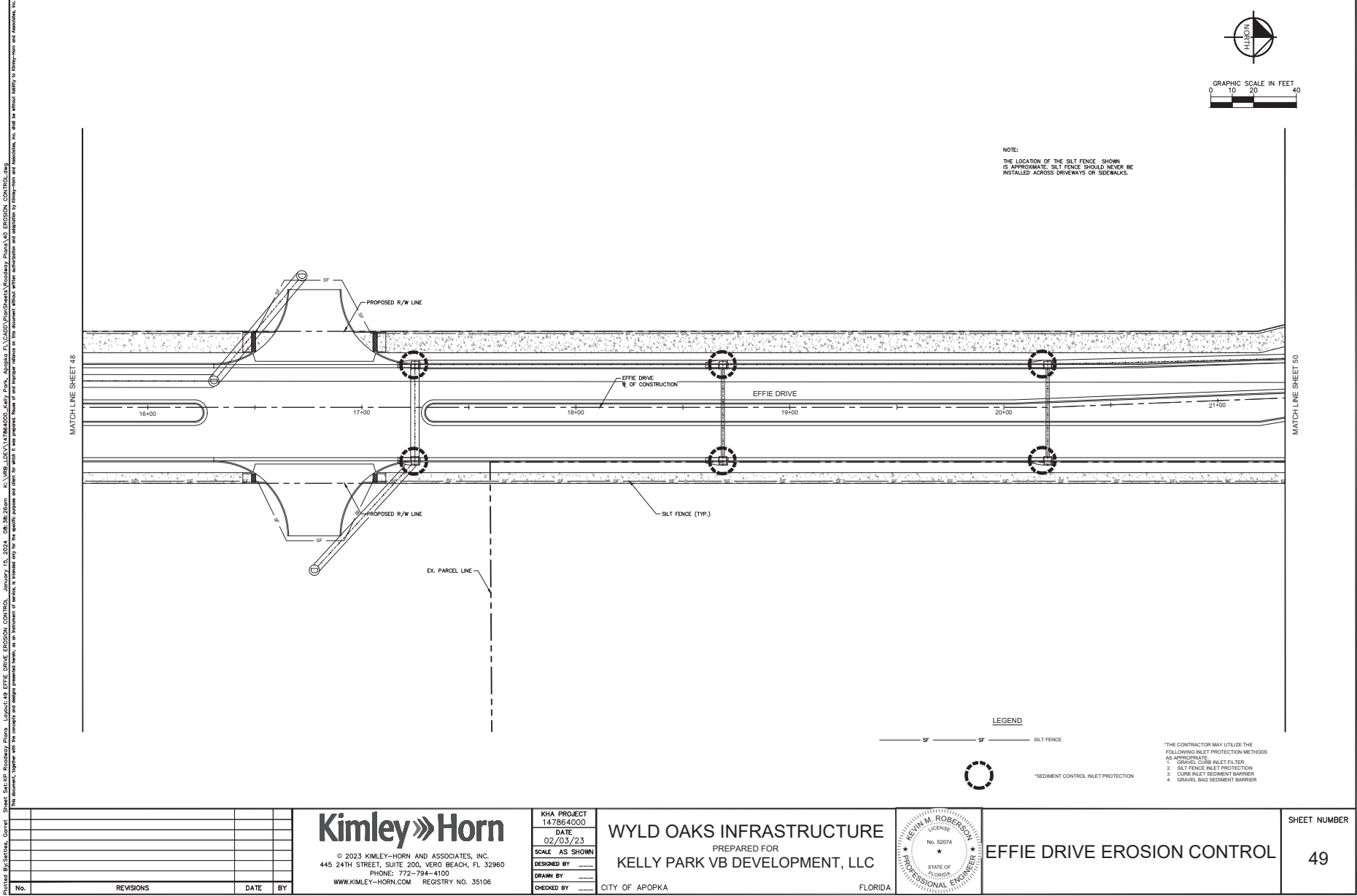


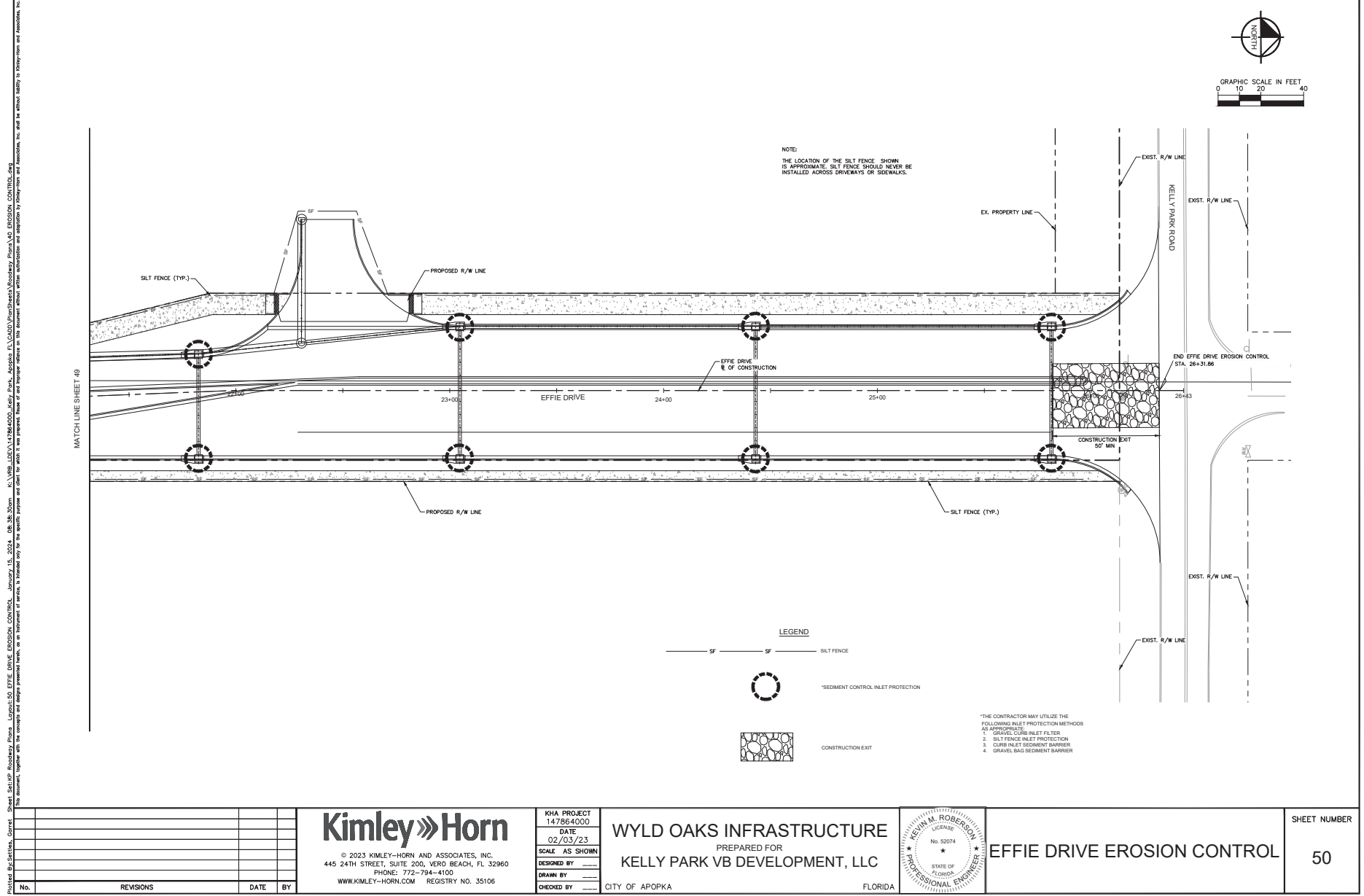
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KEVIN M. ROBERSON
LICENSE
No. 52074
★
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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48





Project: Bx-Satellite, Corral, Sheet Set-Up, Roadway Plans, Layout, ST EROSION CONTROL NOTES January 15, 2024 08:36:36 User: K:\WB\LEVIN\172604000_Kelly Park_Apopsis\172604000_VB Development\Roadway Plans\ST EROSION CONTROL.dwg
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1. SITE DESCRIPTION

CONSTRUCTION ACTIVITY: ROADWAY CONSTRUCTION.

B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES: SOIL DISTURBING ACTIVITIES WILL TAKE PLACE DURING MUCH OF THE ANTICIPATED CONSTRUCTION PERIOD OF THIS PROJECT. THE FOLLOWING SOIL DISTURBING ACTIVITIES ARE LISTED IN THE APPROXIMATE ORDER IN WHICH THEY ARE ANTICIPATED TO OCCUR.

1. INSTALL STABILIZED CONSTRUCTION ENTRANCES(S)
2. CLEARING AND GRUBBING
3. STORMWATER MANAGEMENT FACILITY CONSTRUCTION
4. EXCAVATION OF SOILS
5. EMBANKMENT CONSTRUCTION
6. STABILIZATION AND TEMPORARY SODDING
7. ROADWAY GRADING AND CONSTRUCTION
8. FINAL GRADING AND SODDING

C. TOTAL PROJECT AREA: ±8.82 AC
TOTAL AREA TO BE DISTURBED: ±8.82 AC

D. RUNOFF DATA:

THE FOLLOWING IS A LIST OF THE DRAINAGE BASIN, THE AREA OF THE BASIN AND THE CURVE NUMBER BEFORE, DURING, AND AFTER CONSTRUCTION.

BASIN	AREA (AC.)	BEFORE CONSTRUCTION	AFTER CONSTRUCTION
ROAD	8.82	39	89.15

E. SITE MAP: SEE KEY SHEET

F. RECEIVING WATERS: MEYRIV RIVER BASIN

2. CONTROLS

A. EROSION AND SEDIMENT CONTROLS: THE SOIL EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED BY THE CONTRACTOR TO MINIMIZE THE AMOUNT OF SOIL DISTURBED, PREVENT OFFSITE RUNOFF FROM DISCHARGING ACROSS DISTURBED AREAS, AND REMOVE ON-SITE SEDIMENT PRIOR TO DISCHARGE OF RUNOFF FROM THE SITE.

ALL ITEMS REPRESENTED IN THE FOLLOWING DISCUSSION ARE TREATED IN DETAIL IN THE "FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION OR WILL BE IMPLEMENTED BY THE ENGINEER IN A MANNER APPROPRIATE TO ENVIRONMENTALLY SENSITIVE CONSTRUCTION PRACTICES. THE CONTRACTOR WILL GENERATE SITE SPECIFIC EROSION CONTROL PLAN INCLUDING AN IMPLEMENTATION SCHEDULE FOR EACH PHASE OF CONSTRUCTION OPERATIONS OR ACTIVITIES. THE CONTRACTOR WILL ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS AND SUPPLY CONTRACT TIME SCHEDULES FOR THE IMPLEMENTATION OF EACH SUBMIT.

(A) STABILIZATION PRACTICES: DURING CONSTRUCTION THE CONTRACTOR WILL PROVIDE TEMPORARY SEEDING FOR AREAS WHICH HAVE BEEN CLEARED AND NOT REWORKED WITHIN 14 CALENDAR DAYS. THE ENTIRE CLEARED AND UNPAVED PORTION OF THE PROJECT WILL BE SOODED OR MULCHED AND SEEDS UPON COMPLETION. BARE SOIL AREAS WILL BE KEPT TO A MINIMUM. STABILIZATION PRACTICES WILL INCLUDE:

- PERMANENT SODDING
- LIMITING STEEP SLOPES
- MINIMIZING THE AREA OF DISTURBED SOILS AT ANY GIVEN TIME
- PRESERVATION OF NATURAL VEGETATION
- SOIL RETAINING MEASURES
- DUST CONTROL

(B) STRUCTURAL PRACTICES WILL INCLUDE:

- STAKED SILT FENCES (LF)
- SYNTHETIC BALES (LF)
- ROCK BASIN (BA)
- RETENTION/DETENTION PONDS
- STORM DRAIN INLET PROTECTION

(C) PHASING OF CONTROLS

PHASE I - INSTALLATION OF ENVIRONMENTAL CONTROL FEATURES

1. ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN PLANS QUANTITIES ARE TO BE INSTALLED THROUGHOUT THE CLEARING AND GRUBBING LIMITS OF ENVIRONMENTALLY SENSITIVE AREAS AS SHOWN IN PLANS (PRIOR TO CLEARING AND GRUBBING).
2. THE CONTRACTOR WILL BE REQUIRED TO PREPARE A SITE SPECIFIC EROSION CONTROL PLAN ALONG WITH A SPECIFIC CONSTRUCTION SCHEDULE FOR IMPLEMENTATION. THE CONTRACTOR WILL ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS.

PHASE II - CLEARING AND GRUBBING

1. CLEARING AND GRUBBING SHALL BE DONE AS INDICATED ON THE TYPICAL SECTIONS OR AS NOTED IN THE PLANS.

PHASE III - EXCAVATION OF MUCK SOILS AND EMBANKMENT AND SURCHARGE CONSTRUCTION

2. ENVIRONMENTAL CONTROLS INCLUDING SYNTHETIC BALES, SILT FENCES, SEDIMENTATION BASINS AND OTHER CONTROLS, AS APPROPRIATE, SHALL BE IN PLACE PRIOR TO THE INITIATION OF EMBANKMENT AND SURCHARGE AREA CONSTRUCTION.

PHASE IV - DRAINAGE SYSTEM OR ENVIRONMENTAL CONTROL FEATURES

1. ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN PLANS QUANTITIES ARE TO BE INSTALLED IN ALL AREAS OF EXCAVATION OR FILL FOR DRAINAGE SYSTEM OR STRUCTURE CONSTRUCTION PRIOR TO SUCH EXCAVATION OR FILL. ALL STREAMS OR DITCHES ARE TO BE PROTECTED FROM EROSION OR SILTATION BY THE METHODS DETAILED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). INLET ENTRANCES ARE ALSO TO BE PROTECTED FROM SILTATION AS DETAILED IN THE SWPPP. THESE INCLUDE STAKED SYNTHETIC BALES, SEDIMENT BASINS, TURBIDITY BARRIERS, SILT FENCE BARRIERS AND OTHERS, AS APPROPRIATE.

2. THE CONTRACTOR WILL BE RESPONSIBLE FOR MONITORING ANY ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS AS THEY RELATE TO TURBIDITY (OR NTU'S ABOVE BACKGROUND). TESTING WILL TAKE PLACE TO SUBSTANTIATE THE INTENT OF THE PROJECT PERMITS THROUGHOUT THE DURATION OF THE PROJECT. IF THE WATER QUALITY STANDARD IS VIOLATED, SEDIMENT AND EROSION CONTROL MEASURES WILL BE RE-EVALUATED AND RE-INSTALLED AS DIRECTED BY THE ENGINEER.

PHASE V - PERMANENT ENVIRONMENTAL CONTROLS

1. TEMPORARY ENVIRONMENTAL CONTROLS WILL BE REMOVED AFTER NEW ROADWAYS HAVE BEEN OPENED, AND PERMANENT EROSION, SEDIMENT AND STORM WATER CONTROL ARE IN PLACE AND FUNCTIONING. FINAL CLEAN UP WILL TAKE PLACE AND ANY TEMPORARY SURFACE WATER OVERFLOW OR CONTROL FEATURES WILL BE CONNECTED TO THE PERMITTED STORMWATER MANAGEMENT SYSTEM.

SEQUENCE NOTE: THE SEQUENCE OF CONSTRUCTION SHOWN ABOVE IS A GENERAL OVERVIEW AND IS INTENDED TO CONVEY THE GENERAL CONCEPTS OF THE EROSION AND SEDIMENT CONTROL MEASURES. THE CONTRACTOR SHALL BE HELD UPON FOR CONSTRUCTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETAILED PHASING AND CONSTRUCTION SEQUENCING NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS ILLUSTRATED IN THESE PLANS. THE CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IMMEDIATELY, PRIOR TO AND/OR DURING CONSTRUCTION IF ANY ADDITIONAL INFORMATION ON THE CONSTRUCTION SEQUENCE IS NECESSARY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND ALL OTHER APPLICABLE LAWS.

B. STORMWATER MANAGEMENT: STORMWATER MANAGEMENT WILL BE VIA THE PERMITTED STORMWATER MANAGEMENT SYSTEM.

C. OTHER CONTROLS

A) WASTE DISPOSAL: THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES. ALL FERTILIZER, HYDROCARBON, OR OTHER CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARDS

B) OFF-SITE VEHICLE TRACKING: WILL BE CONTROLLED BY THE FOLLOWING METHODS:

- HAIL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAIL TRUCKS TO BE COVERED WITH TARP/AULIN
- EXCESS DIRT ON ROADS TO BE REMOVED DAILY
- SOIL TRACKING PREVENTION DEVICE TYPE A

C) SANITARY WASTE: ANY FIELD OFFICES WILL HAVE PORTABLE TOILET FACILITIES OR THE CONTRACTOR WILL OBTAIN PERMITS FOR SEWAGE TREATMENT IN ACCORDANCE WITH KDD-6 F.A.C. STANDARDS FOR ON-SITE SEWAGE DISPOSAL SYSTEMS.

D) FERTILIZERS AND PESTICIDES: FERTILIZERS WILL BE USED ON THIS PROJECT IN ACCORDANCE WITH "DOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" SECTION 982. TO AVOID NUTRIENT LOADING TO SURFACE WATERS, FERTILIZERS USED ON THIS PROJECT WILL NOT BE APPLIED WITHIN FIFTY (50) FEET OF ANY SURFACE WATERS WITHIN THE PROJECT LIMITS.

D. PERMITS

THE FOLLOWING PERMITS HAVE BEEN OBTAIN FOR THE PROJECT:

N/A

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE FOLLOWING PERMITS:

- FOEP - NPDES PERMIT
- SURFMD - TEMPORARY DEWATERING PERMIT (IF NEEDED)

ADDITIONAL PERMIT FEES ARE TO BE INCLUDED IN THE COST OF MOBILIZATION 101-1

3. MAINTENANCE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTION AND MAINTENANCE OF ALL EROSION CONTROL DEVICES THROUGHOUT THE CONSTRUCTION PHASE OF THE PROJECT. MAINTENANCE SHALL BE CONDUCTED IN ACCORDANCE WITH "DOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" SECTION 104 AND "DOT ROADWAY AND TRAFFIC DESIGN STANDARDS" OR AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES, AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES UNTIL ACCEPTANCE OF THE COMPLETED PROJECT BY DOT. MAINTENANCE AND REPAIR REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE COST OF PAY ITEM 104-2A.

THE FOLLOWING PRACTICES WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS:

GENERAL:

THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAINFALL IN ACCORDANCE WITH NPDES PERMIT NO. FLR 100000. ALL CONTROL MEASURES WILL BE MAINTAINED BY THE CONTRACTOR. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.

STRUCTURAL PRACTICES CONTROLS:

BUILT-UP SEDIMENT WILL BE REMOVED FROM SILT FENCE AND STAKED TURBIDITY BARRIERS NOT LATER THAN WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.

TEMPORARY AND PERMANENT SEEDING, SODDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

SOIL TRACKING PREVENTION DEVICE, TYPE A SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.

FLOATING TURBIDITY BARRIER WILL BE MAINTAINED WITH RESPECT TO DEPTH OF SEDIMENT AND ENSURE THAT THE FABRIC IS ATTACHED SECURELY TO THE FLOATS AND ANCHORED PROPERLY AT THE BOTTOM FOR PROPER SEDIMENT CONTROL.

4. INSPECTION

ALL EROSION AND WATER POLLUTION ABATEMENT AND CONTROL MEASURES WILL BE INSPECTED DAILY BY THE CONTRACTOR.

INSPECTIONS ARE TO BE PERFORMED BY QUALIFIED PERSONNEL WHO HAVE COMPLETED THE FLORIDA STORM WATER, EROSION AND SEDIMENT CONTROL TRAINING AND CERTIFICATION PROGRAM FOR INSPECTORS AND CONTRACTORS WHO HAVE PASSED THE EXAMINATION.

INSPECTION AREAS: LOCATIONS OR AREAS TO BE INSPECTED INCLUDE BUT ARE NOT LIMITED TO:

- DISCHARGE POINTS TO WATERS OF THE UNITED STATES
- DISCHARGE POINTS TO MSA FACILITIES
- AREAS NOT MEETING THE "FINAL STABILIZATION" CRITERIA
- MATERIALS STORAGE/STOCKPILES
- SEDIMENTATION FACILITIES
- STRUCTURAL FACILITIES
- VEHICLE ENTRANCES/EXITS
- ON-SITE STORMWATER MANAGEMENT SYSTEMS

THE CONTRACTOR SHALL USE THE CONSTRUCTION INSPECTION REPORT FORM 650-040-03 FOR DAILY INSPECTIONS.

THE CONTRACTOR'S DAILY INSPECTIONS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE COST OF PAY ITEM 104-2A.

TRACKING AND REPORTING

THE CONTRACTOR IS RESPONSIBLE FOR COMPLETING THE INSPECTION REPORT FORM 650-040-03 EVERY 7 DAYS AND AFTER ANY 0.50 INCH (OR MORE) RAINFALL EVENT. A COPY OF THE INSPECTION REPORT SHALL BE SUBMITTED TO THE ENGINEER WEEKLY.

THE CITY SHALL MAINTAIN ALL RECORDS SUBMITTED BY THE CONTRACTOR.

PREPARATION OF THE CONTRACTOR'S WEEKLY REPORTS OF INSPECTIONS, MAINTENANCE AND REPAIRS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE COST OF PAY ITEM 104-2A.

5. NON-STORM WATER DISCHARGE AND HAZARDOUS WASTE

THE CONTRACTOR WILL PROVIDE DOT WITH AN EROSION CONTROL PLAN THAT INCORPORATES THE CONSTRUCTION SCHEDULE AND WILL INCLUDE SPILL REPORTING AND RESPONSE. WHEN THE CONTRACTOR ENCOUNTERS A SPILL, CONSTRUCTION WILL STOP WORK AND WORK WILL NOT RESUME UNTIL DIRECTED BY THE ENGINEER. DISPOSITION OF HAZARDOUS WASTE WILL BE MADE IN ACCORDANCE WITH ANY REQUIREMENTS AND REGULATIONS OF ANY LOCAL, STATE OR FEDERAL AGENCY HAVING JURISDICTION.

6. REFERENCES

THE CONSTRUCTION PLANS AND SPECIFICATIONS FOR SADLER ROAD AND ETTIE DRIVE HEREBY REFERENCED AND MADE PART OF THIS STORMWATER POLLUTION PREVENTION PLAN.

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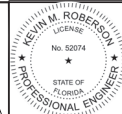
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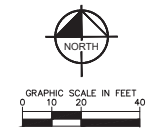


EROSION CONTROL NOTES

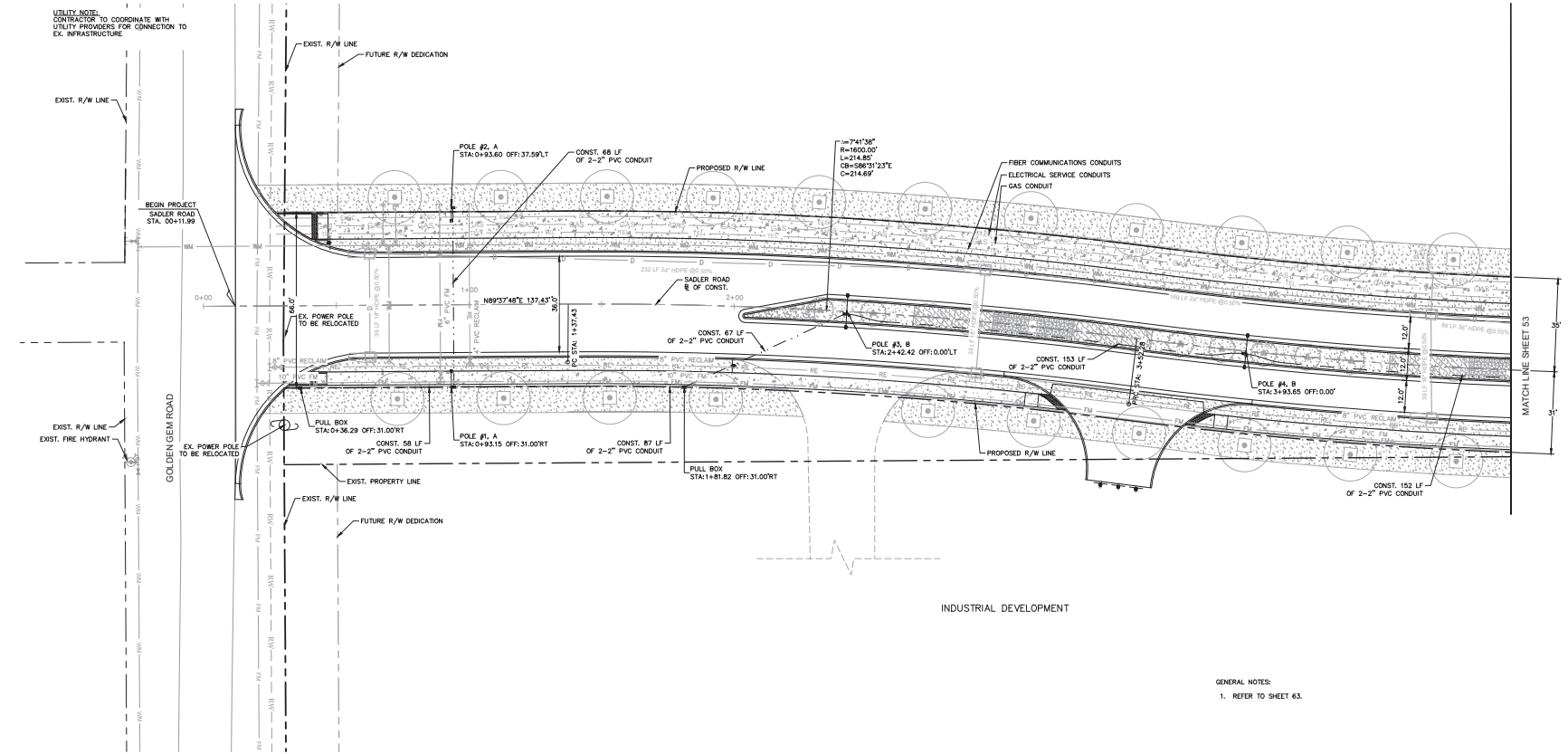
SHEET NUMBER

51

1/15/24



UTILITY NOTE:
CONTRACTOR TO COORDINATE WITH
UTILITY PROVIDERS FOR CONNECTION TO
EX. INFRASTRUCTURE.



GENERAL NOTES:
1. REFER TO SHEET 63.

Luminaire Schedule	Label	Qty	LF	Description	Warning	Light	Color
Symbol	A	27	0.550	110W TYPE B LED ROADWAY - CCT 3K, ON 6 BLACK BRACKET	110	LED LIGHT ENGINE	BLACK
Symbol	B	24	0.550	100W 30-TYPE TYPE B LED ROADWAY - CCT 3K, ON 6 BLACK BKT.	250	LED LIGHT ENGINE	BLACK

Plotted By: Set-Up

Revised By: Set-Up

Checked By: Set-Up

Reviewed By: Set-Up

Approved By: Set-Up

No.

REVISIONS

DATE

BY

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KMR

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KELLY PARK VB DEVELOPMENT, LLC

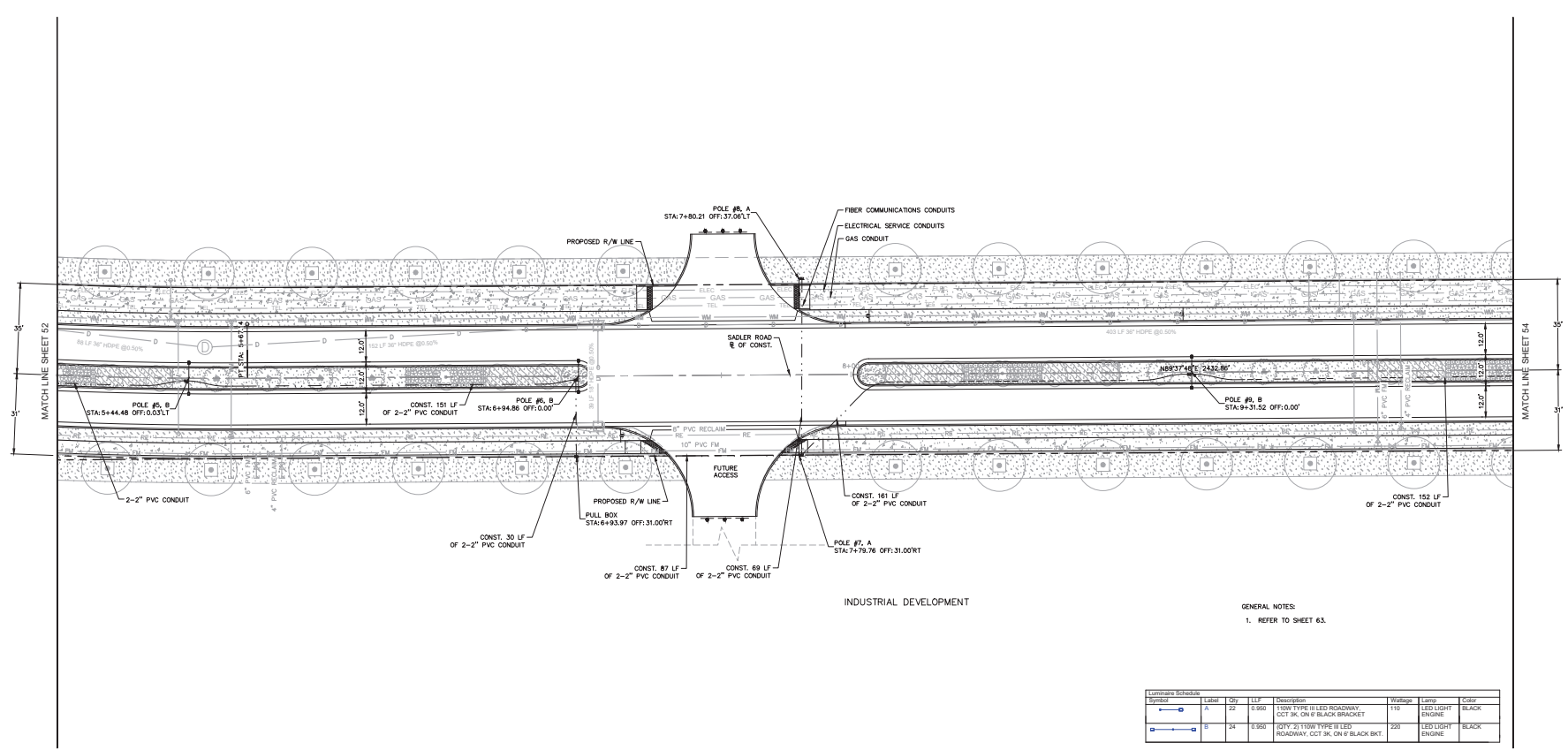
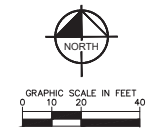
CITY OF APOPKA

FLORIDA

KEVIN M. ROBERSON
No. 52074
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SADLER ROAD LIGHTING PLAN

SHEET NUMBER
52



GENERAL NOTES:
1. REFER TO SHEET 63.

Luminaire Schedule						
Symbol	Label	Qty	LF	Description	Wattage	Color
	A	22	0.950	110W TYPE III LED ROADWAY CCT 3K ON 6\"/>	110	BLACK
	B	24	0.950	110W TYPE III LED ROADWAY CCT 3K ON 6\"/>	110	BLACK

Plot: Bx Set-Up Roadway Plans Layout S3 Sadler Road Lighting Plan January 15, 2024 08:39:15m K:\WB\LD\147864\000_Kelly Park_Apopka FL\ADO\PlanSheets\Roadway Plans\S3 Lighting Plan.dwg
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No.

REVISIONS

DATE

BY

Kimley»Horn

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445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT
147864000

DATE
02/03/23

SCALE AS SHOWN

DESIGNED BY MD

DRAWN BY ESM

CHECKED BY KMR

WYLD OAKS INFRASTRUCTURE

PREPARED FOR

KELLY PARK VB DEVELOPMENT, LLC

CITY OF APOPKA

FLORIDA

KEVIN M. ROBERSON

License

No. 52074

STATE OF FLORIDA

PROFESSIONAL ENGINEER

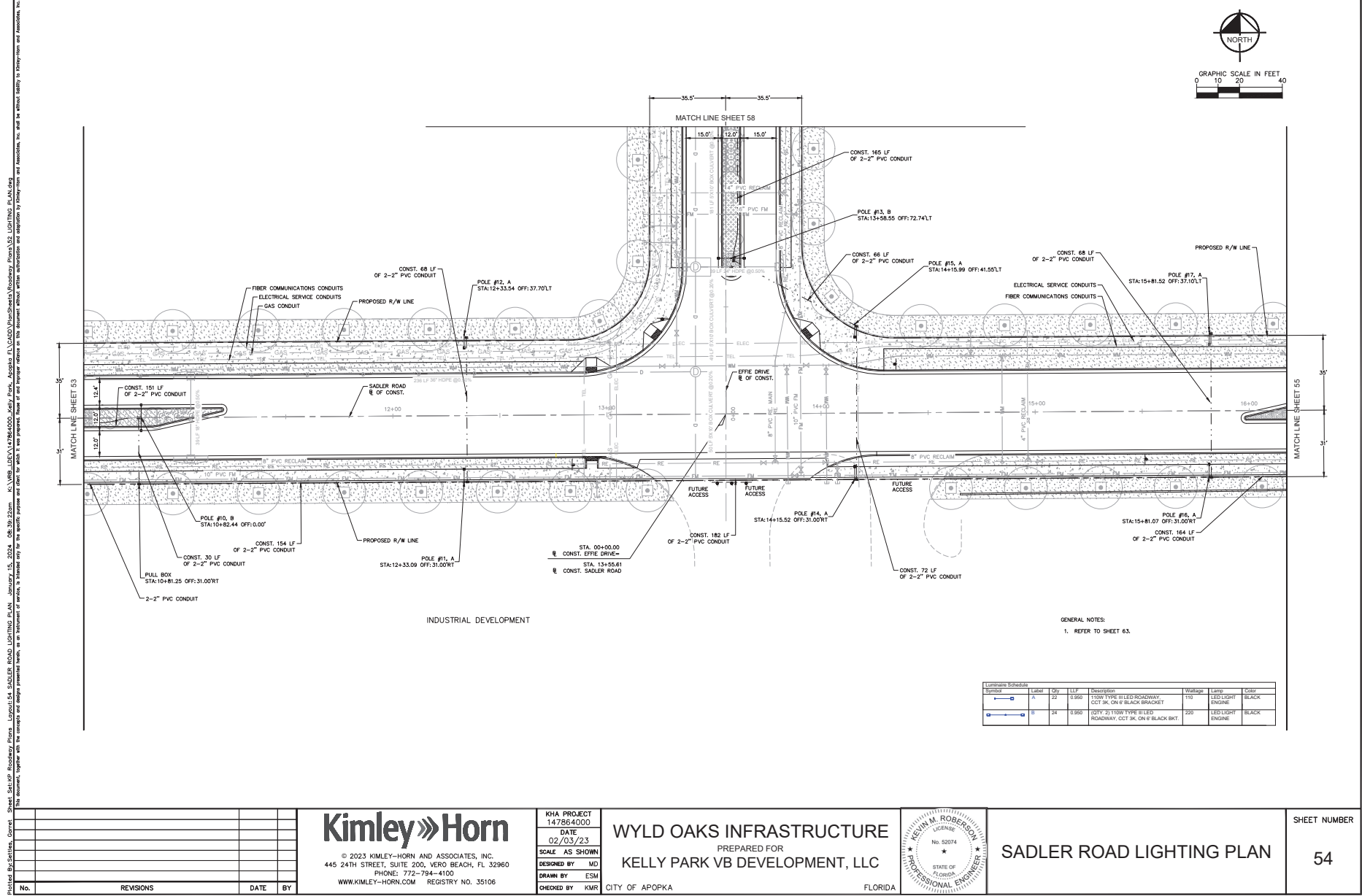
SADLER ROAD LIGHTING PLAN

SHEET NUMBER

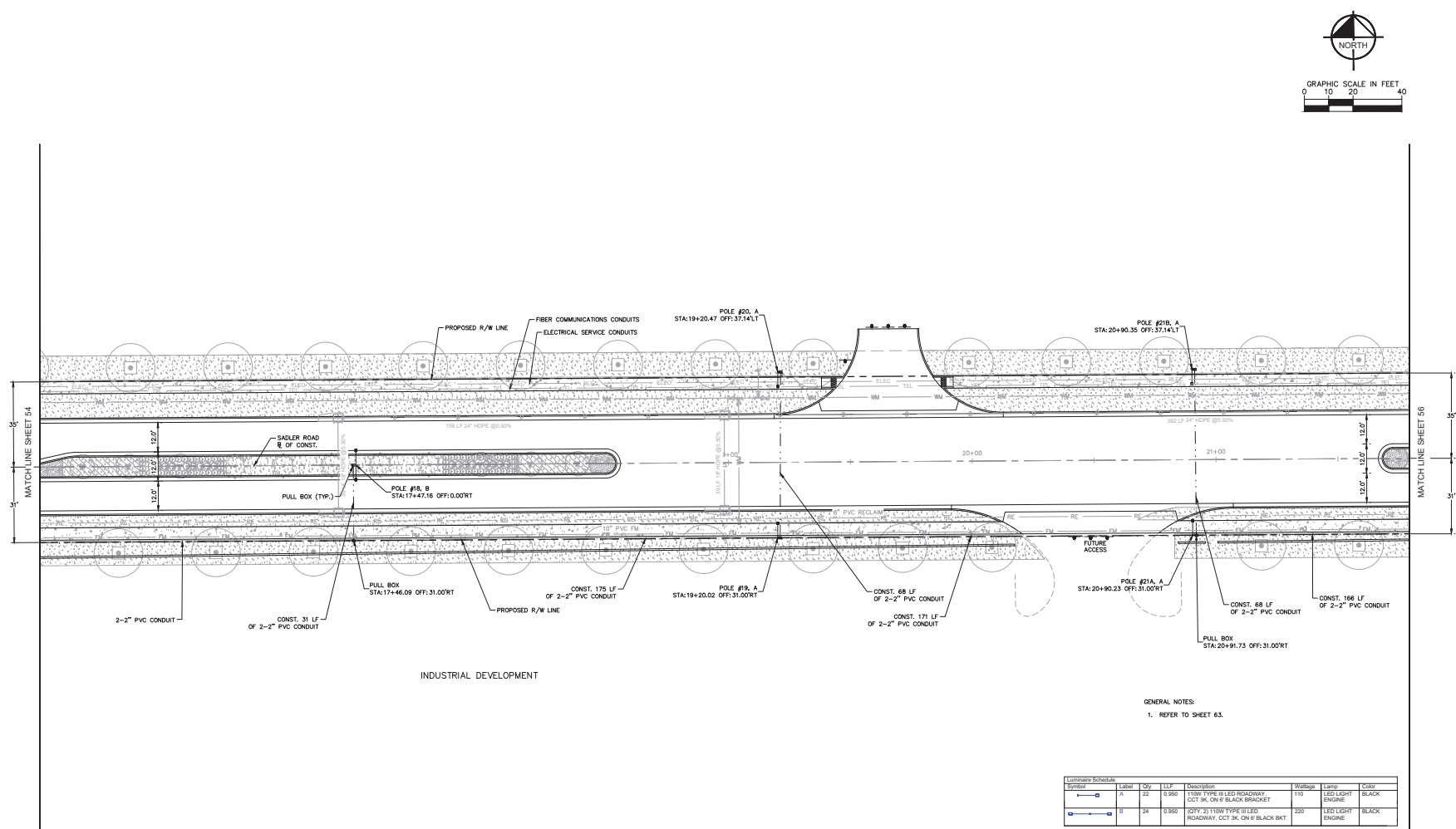
53

1/15/24

Page 79 of 131



Plot: B:\Set-Up\Roadway Plans\Layout\SS Sadler Road Lighting Plan January 15, 2024 08:39:27.dwg K:\WB\LEVIN\47864000_Kelly Park_Apopka FL\CAD\PlanSheets\Roadway Plans\SS Lighting Plan.dwg
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GENERAL NOTES:
1. REFER TO SHEET 63.

Luminaire Schedule							
Symbol	Label	Qty	LF	Description	Wattage	Lamp	Color
	A	22	0.350	115W TYPE II LED ROADWAY LIGHT, OCT 3K, ON 6" BLACK BRACKET	110	LED LIGHT ENGINE	BLACK
	B	24	0.350	20'x115W TYPE III LED ROADWAY, OCT 3K, ON 6" BLACK BKT.	220	LED LIGHT ENGINE	BLACK

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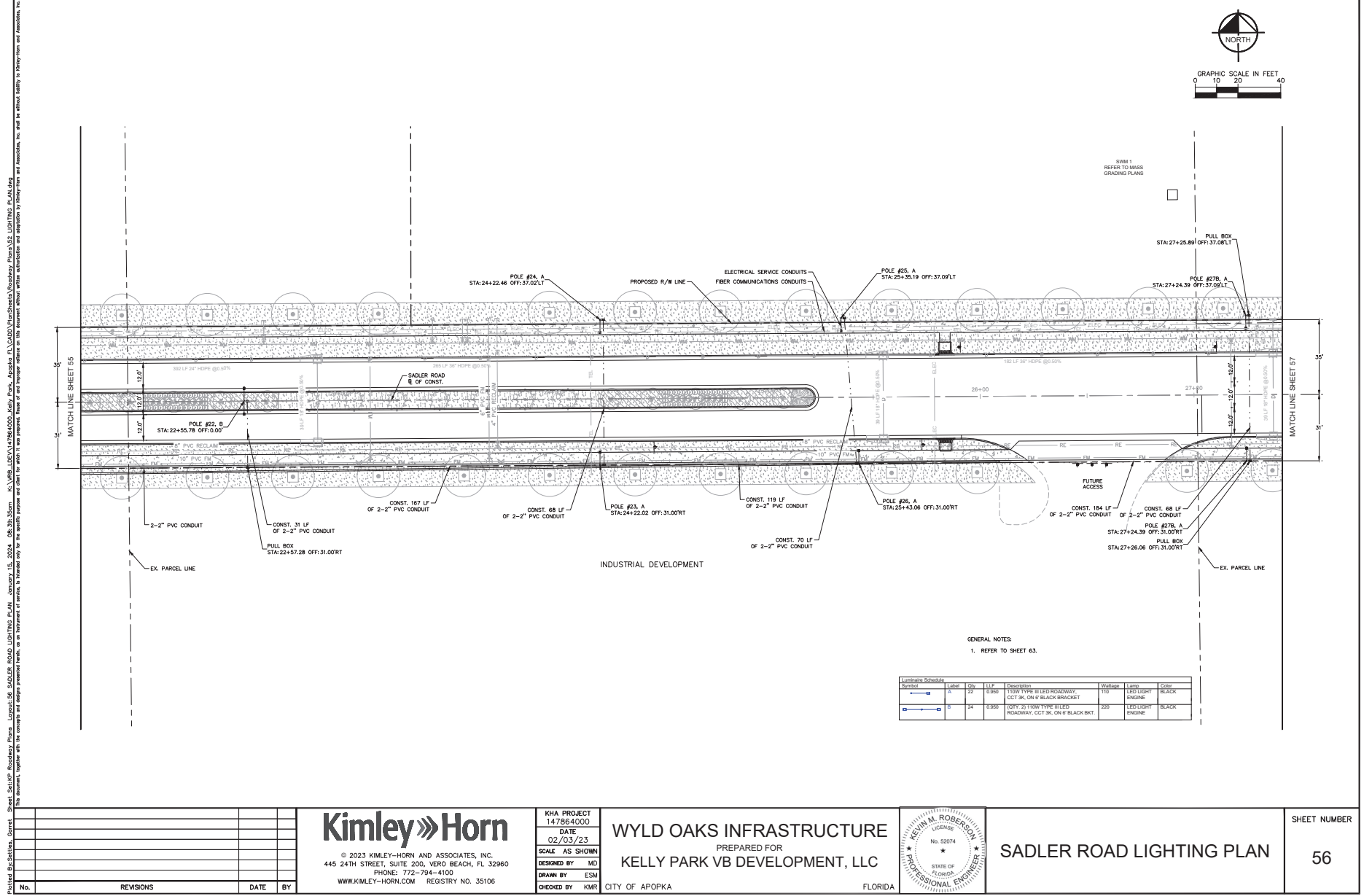
KHA PROJECT 147864000
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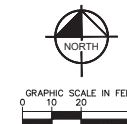
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CITY OF APOPKA
FLORIDA



SADLER ROAD LIGHTING PLAN

SHEET NUMBER
55





GENERAL NOTES:

1. REFER TO SHEET 63

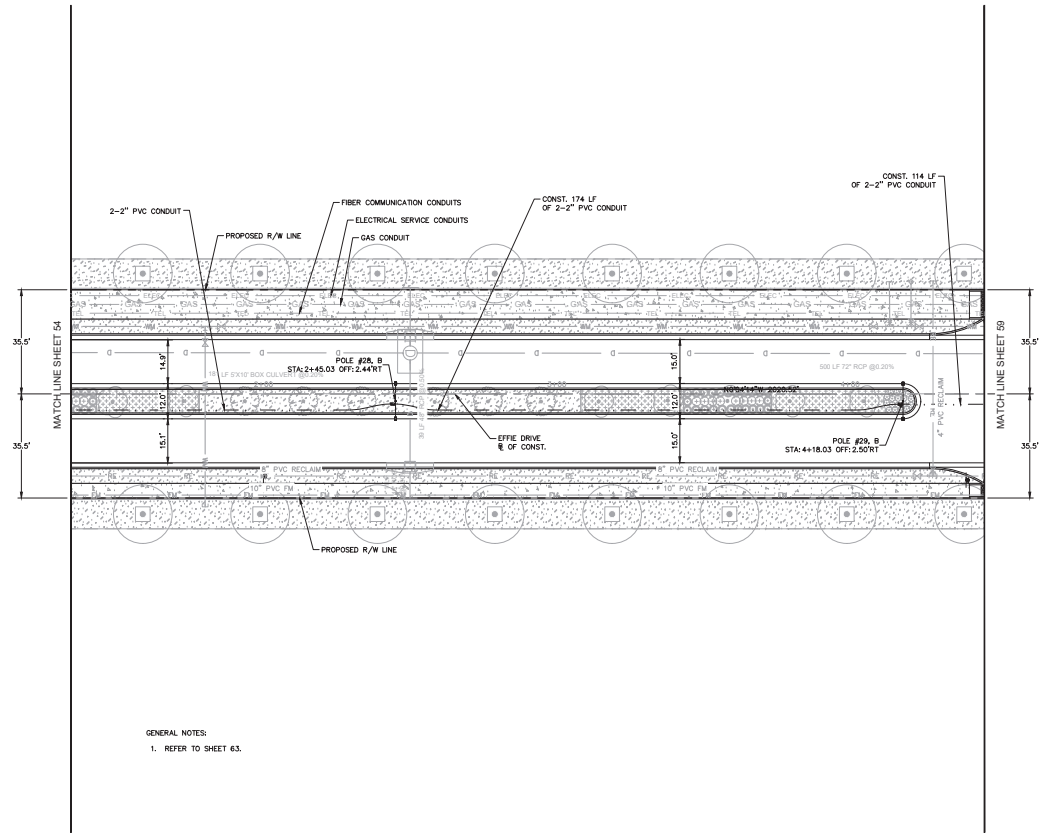
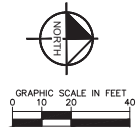
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CITY OF APOPKA FLORIDA



57

Plotted By: Set-Up Roadway Plans Layout 58 EFFIE DRIVE LIGHTING PLAN January 15, 2024 08:38:47pm K:\VBS_LUEVA\147864000_Kelly Park, Apopka FL\CADD\RoadSheets\Roadway Plans\52 LIGHTING PLAN.dwg
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GENERAL NOTES:
1. REFER TO SHEET 63.

Luminaire Schedule						
Symbol	Label	Qty	LF	Description	Wingspan	Color
	A	22	0.950	110W TYPE II LED ROADWAY CCT 3K ON F BLACK BRACKET	110	LED LIGHT ENGINE BLACK
	B	24	0.950	100W 2' 110W TYPE II LED ROADWAY CCT 3K ON F BLACK BKT	200	LED LIGHT ENGINE BLACK

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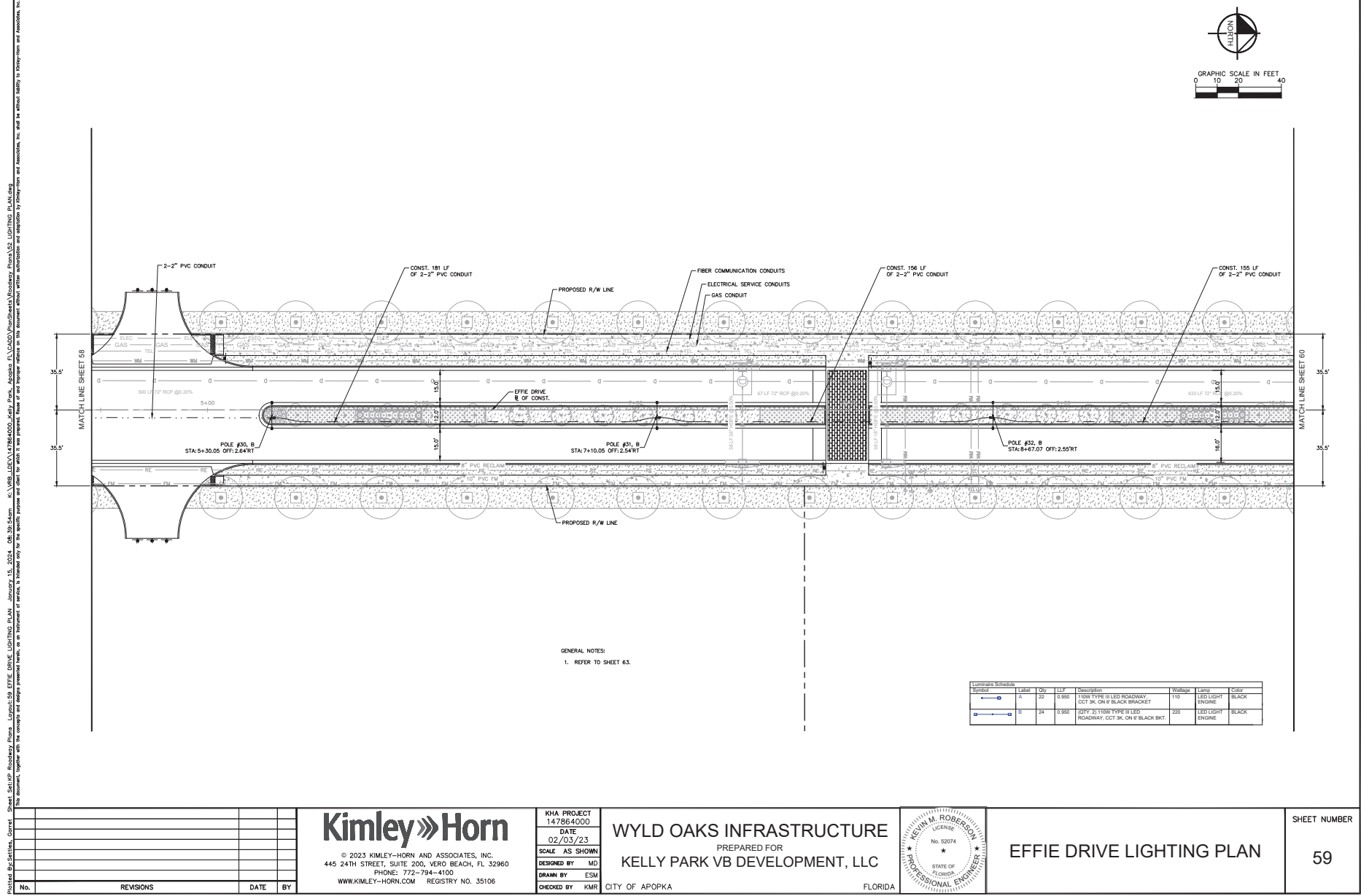
KHA PROJECT 147864000
DATE 02/03/23
SCALE AS SHOWN
DESIGNED BY MD
DRAWN BY ESM
CHECKED BY KMR

WYLD OAKS INFRASTRUCTURE
PREPARED FOR
KELLY PARK VB DEVELOPMENT, LLC
CITY OF APOPKA
FLORIDA



EFFIE DRIVE LIGHTING PLAN

SHEET NUMBER
58



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KHA PROJECT
147864000
DATE
02/03/23
SCALE AS SHOWN
DESIGNED BY MD
DRAWN BY ESM
CHECKED BY KMR

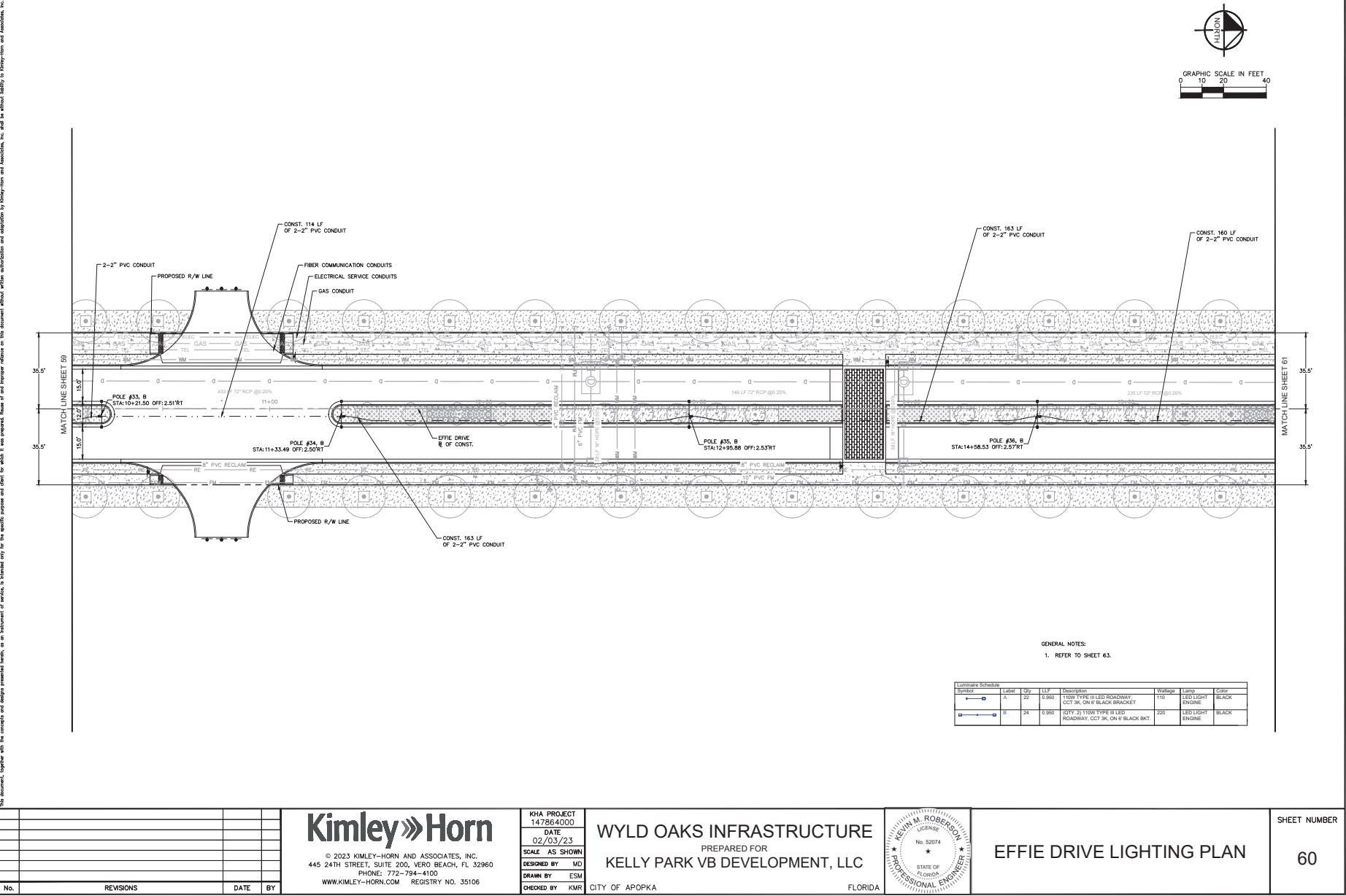
WYLD OAKS INFRASTRUCTURE
PREPARED FOR
KELLY PARK VB DEVELOPMENT, LLC
CITY OF APOPKA
FLORIDA



EFFIE DRIVE LIGHTING PLAN

SHEET NUMBER
59

Plotted By: Set-Up, Roadway Plans, Layout-60 EFFIE DRIVE LIGHTING PLAN January 15, 2024 08:38:59am K:\VBS_UEN\147864000_Kelly Park, Apopka FL\CADD\RoadSheet\Roadway Plans\60 LIGHTING PLAN.dwg
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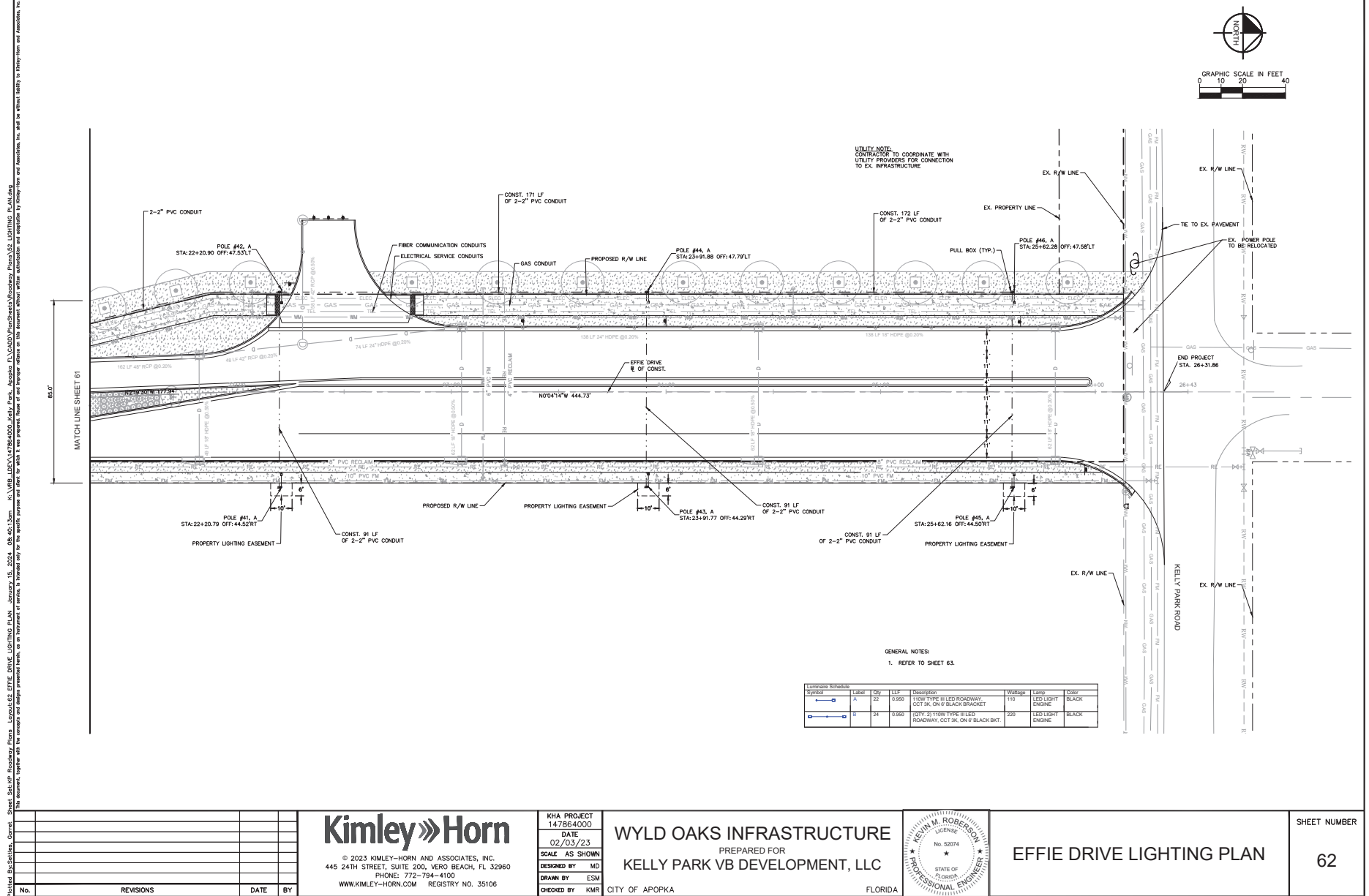
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DATE 02/03/23
SCALE AS SHOWN
DESIGNED BY MD
DRAWN BY ESM
CHECKED BY KMR

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PREPARED FOR
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CITY OF APOPKA
FLORIDA



EFFIE DRIVE LIGHTING PLAN

SHEET NUMBER
60



UTILITY NOTE:
CONTRACTOR TO COORDINATE WITH
UTILITY PROVIDERS FOR CONNECTION
TO EX. INFRASTRUCTURE

GENERAL NOTES:
1. REFER TO SHEET 63.

Luminaire Schedules						
Symbol	Letter	Qty	LF/F	Description	Wattage	Light
	A	22	0.950	110W TYPE B LED ROADWAY CCT 3K ON 6' BLACK BRACKET	110	LED LIGHT ENGINE
	B	24	0.950	220W TYPE B LED ROADWAY CCT 3K ON 6' BLACK BRACKET	220	LED LIGHT ENGINE

No.	REVISIONS	DATE	BY

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KHA PROJECT
147864000
DATE
02/03/23
SCALE AS SHOWN
DESIGNED BY MD
DRAWN BY ESM
CHECKED BY KMR

WYLD OAKS INFRASTRUCTURE
PREPARED FOR
KELLY PARK VB DEVELOPMENT, LLC
CITY OF APOPKA
FLORIDA

EFFIE DRIVE LIGHTING PLAN

SHEET NUMBER
62

Project: Bx Set-Up Roadway Plans, Layout 62 Effie Drive Lighting Plan, January 15, 2024, 08:40:13am
K:\VB\JUV\147864000_Kelly Park_VB.dwg
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Outdoor Lighting



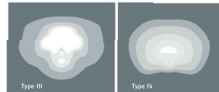
Light source: LED (white)
Wattage: 110 | 150 | 220 | 280 watts
Light pattern:IESNA Type III | Type IV (forward throw)
IESNA cutoff classification: Full-cutoff
BUG rating:
Type III = B2U0G2 (110W), 33U0G3 (150W), B3U0G4 (220W)
Type IV = B3U0G3 (150W), 33U0G4 (220W), B3U0G5 (280W)
Color temperature: 3,000K | 4,000K

POLE AVAILABLE	MOUNTING HEIGHT	COLOR
DOT aluminum	30'-40'	Satin Aluminum, Black
Static cast concrete	25'-40'	Gray
Wood	25'-40'	Standard

FEATURES

BENEFITS

Turnkey operation	Provides hassle-free installation and service
Little or no installation cost	Frees up capital for other projects
Design services by lighting professionals included	Meets industry standards and lighting ordinances
Maintenance, electricity & warranty included	Eliminates high and unexpected repair bills
One low monthly cost on your electric bill	Convenience and savings for you



light distribution pattern:



For additional information, contact us at ODLFlorida@duke-energy.com

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DUKE ENERGY GENERAL NOTES:

1. SITE LIGHTING IS ENGINEERED, INSTALLED, AND CONNECTED PER NESIC FOR UTILITY WORK AND IS OWNED AND MAINTAINED BY DUKE ENERGY UNDER A FSPIC REGULATORY AGREEMENT.
2. LIGHTING IS FED DIRECTLY FROM UTILITY SECONDARY DISTRIBUTION SYSTEM (LOWEST TRANSFORMER AND IS NOT CONNECTED TO ANY METERED BUILDING OR SERVICE POINT). ALL CONDUCTORS ARE IN CONDUIT AT 36" HIGH MINIMUM PER NESIC FOR UTILITY.
3. POLES ARE PROMENADE 30' O.C. DIRECT BURIED CONCRETE TENON TOP WITH A FIXTURE MOUNTING HEIGHT OF 25' AFD. BLACK IN COLOR. LIGHTS SHALL BE SET ON 6" BLACK BRACKETS.
4. POLES SHALL BE SET 7' BEHIND SIDEWALK, UNLESS SHOWN CENTERED IN MEDIAN, OR NOTED OTHERWISE.
5. OWNER SHALL BE RESPONSIBLE FOR COORDINATING ANY LANDSCAPE CONFLICTS WITH LANDSCAPE ARCHITECT. OWNER SHALL BE RESPONSIBLE FOR ANY NECESSARY FUTURE TRIMMING OR PRUNING OF PROPOSED LANDSCAPE PLANTINGS.

KIMLEY-HORN GENERAL NOTES

1. ALL WORKSMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MOST RECENT VERSION OF FDOT STANDARD SPECIFICATIONS FOR UNDERGROUND UTILITIES. OTHERWISE, THE CONTRACTOR SHALL FOLLOW THE FOLLOWING GENERAL NOTES.
2. CONDUIT AND/OR CABLE SHALL BE HOUSED IN 2 SCHEDULE 40 CONDUIT AS SHOWN ON APPROVED PLAN SHEETS. PROVIDE ONE SPARE CONDUIT FOR EACH CONDUIT RUN AND ROADWAY CROSSING. EACH SPARE CONDUIT SHALL BE FLUSH WITH PULL STRING.
3. CONTRACTOR SHALL STAKE ALL POLE LOCATIONS AND REQUEST UTILITY COMPANIES TO LOCATE AND MARK UNDERGROUND FACILITIES PRIOR TO EXCAVATION.
4. POLES, LUMINAIRES AND BASES SHALL BE FABRICATED IN ACCORDANCE WITH AASHTO'S STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS. ALL DEVICES TESTED BY FHWA APPROVED METHODS. CERTIFICATION FOR TESTS SHALL BE SUBMITTED WITH THE SHOP DRAWINGS.
5. PULLING INSTRUCTIONS: CONNECT PULLING DEVICES TO COPPER WIRE AND NOT TO JACK AND MEET THE MANUFACTURER'S SPECIFICATIONS FOR PULLING. IMPROVED FOR MANUFACTURER'S REQUIREMENTS. ALL BENDS SHALL NOT BE LESS THAN THE MANUFACTURER'S REQUIREMENTS.
6. ALL ELECTRICAL WORK SHALL MEET THE REQUIREMENTS OF THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE, THE NATIONAL ELECTRICAL SAFETY CODE, THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70E, THE NATIONAL ELECTRICAL SAFETY CODE FOR ROAD AND BRIDGE CONSTRUCTION. ALL COMPONENTS SHALL BE PROPERLY GROUNDING AND BONDED PER N.E.C. REQUIREMENTS.
7. IN LOCATIONS WHERE UNDERGROUND UTILITIES ARE IN CLOSE PROXIMITY TO LIGHTING POLES OR CONDUIT RUNS, AS DETERMINED BY THE CITY OF ATLANTA, THE CONTRACTOR SHALL HIDE THE POLE OR CONDUIT RUNS IN THE GROUND.
8. HAND HOLE COVERS FOR POLES AND TRANSFORMER BASES SHALL BE LOCATED OPPOSITE APPROACHING TRAFFIC.
9. THE WIRES AT THE POLE HAND HOLES AND PULL BOXES SHALL BE LOOPED IN THE POLE AND PULL BOXES WITH SUFFICIENT LENGTH TO COMPLETELY REMOVE CONNECTIONS AND SPACES ONE (1.00) FOOT OUTSIDE THE HAND HOLE AND PULL BOXES TO MAKE CONNECTIONS AND SPACES ACCESSIBLE FOR CHANGING FUSES AND TROUBLESHOOTING THE SYSTEM.
10. ALL CONDUCTOR AND/OR WIRE CONNECTIONS SHALL BE BUTT SPLICED AND WATERPROOF. WIRE NUTS WILL NOT BE ACCEPTED.
11. EACH POLE SHALL BE EQUIPPED WITH AN ACCESSIBLE FUSE AND FUSE HOLDER WITH PROTECTIVE BOOTS. THE FUSE HOLDER SHALL BE LOCATED IN THE POLE HANDHOLE AND NOT INSTALLED IN THE PULL BOX.
12. EACH POLE SHALL BE EQUIPPED WITH A LIGHTNING SUPPRESSOR THAT IS PROPERLY GROUNDING.
13. A PULL BOX SHALL BE INSTALLED AT EACH POLE LOCATION. PULL BOX SHALL BE LOCATED 2 MAX FROM POLE UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. EACH PULL BOX SHALL BE SUPPLIED WITH A GROUNDING ROD AND EACH POLE SHALL BE PROPERLY GROUNDING.
14. ALL STREET LIGHTING AND PEDESTRIAN LIGHTING PULL BOXES SHALL BE ARMORCAST PRODUCTS COMPANY 440040M24XPX12 POLYESTER FIBER GLASS. ALL PULL BOXES SHALL BE SUPPLIED WITH A GROUNDING ROD AND EACH PULL BOX SHALL BE 24" HIGH. DIMENSIONS ARE 12W X 24 L X 20H. COVER ON TOP BOTTOM LID SHALL BE FASTENED TO BOX.
15. INSTALLATION OF PULL BOXES WITH THE SIDEWALK SHOULD BE AVOIDED WHENEVER POSSIBLE. BUT IF NECESSARY, SHALL BE APPROVED BY THE CITY OF ATLANTA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDUITS AND SHALL BE FLUSH WITH SIDEWALK. PULL BOXES SHALL NEVER BE PLACED WITHIN SIDEWALK MARKS OR ROADWAY.
16. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND ALL EXISTING UTILITIES, INCLUDING OVERHEAD POWER LINES.
17. LOCAL UNDERGROUND UTILITIES TO BE EXPOSED ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO EXCAVATION.
18. CONTACT SUNSHINE ONE CALL OF FLORIDA AT 811 OR SUNSHINE11.COM AT LEAST TWO (2) FULL BUSINESS DAYS BEFORE DIGGING.
19. THE CONTRACTOR SHALL COORDINATE WITH DUKE ENERGY TO DETERMINE ELECTRICAL SERVICE FEED LOCATION.
20. ENERGY EFFICIENT LIGHTING TECHNOLOGIES SUCH AS LIGHT EMITTING DIODE (LED) SHALL BE CONSIDERED AND SHOULD BE GIVEN PREFERENCE. INCANDESCENT LIGHTING WILL ONLY BE APPROVED BY THE CITY OF ATLANTA. PUBLIC WORKS UNDER UNIFORM ORDERING AND WILL BE USED FOR APPROPRIATE JUSTIFICATION.
21. THE LIGHTING SYSTEM WILL BE INSTALLED AND MAINTAINED BY DUKE ENERGY AFTER ACCEPTANCE.

Luminaire Schedule							
Symbol	Label	Qty	LLF	Description	Wattage	Lamp	Color
	A	22	0.950	110W TYPE III LED ROADWAY, CCT 3K, ON 6' BLACK BRACKET	110	LED LIGHT ENGINE	BLACK
	B	24	0.950	(QTY. 2) 110W TYPE III LED ROADWAY, CCT 3K, ON 6' BLACK BKT.	220	LED LIGHT ENGINE	BLACK

Photometry Statistics - Vertical at 5' Above Finished Grade

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Sadler Road - Crosswalk #1 - Westbound		2.9 fc	3.3 fc	2.1 fc	1.6	1.4
Sadler Road - Crosswalk #2 - Westbound		3.2 fc	3.8 fc	2.3 fc	1.7	1.4
Sadler Road - Crosswalk #2 - Eastbound		3.2 fc	3.8 fc	2.3 fc	1.7	1.4
Sadler Road - Crosswalk #3 - Eastbound		2.8 fc	3.1 fc	2.1 fc	1.5	1.3
Sadler Road - Crosswalk #4 - Westbound		2.0 fc	2.1 fc	1.8 fc	1.2	1.1
Sadler Road - Crosswalk #4 - Eastbound		3.6 fc	4.2 fc	2.9 fc	1.4	1.2
Effie Drive - Crosswalk #1 - Northbound		2.3 fc	2.6 fc	1.7 fc	1.5	1.4
Effie Drive - Crosswalk #2 - Northbound		3.3 fc	3.7 fc	2.3 fc	1.6	1.4
Effie Drive - Crosswalk #2 - Southbound		3.3 fc	3.8 fc	2.3 fc	1.7	1.4
Effie Drive - Crosswalk #3 - Northbound		3.3 fc	3.8 fc	2.3 fc	1.7	1.4
Effie Drive - Crosswalk #3 - Southbound		3.3 fc	3.8 fc	2.3 fc	1.7	1.4
Effie Drive - Crosswalk #4 - Northbound		3.3 fc	3.8 fc	2.3 fc	1.7	1.4
Effie Drive - Crosswalk #4 - Southbound		3.3 fc	3.8 fc	2.3 fc	1.7	1.4
Effie Drive - Crosswalk #5 - Southbound		3.1 fc	3.5 fc	2.2 fc	1.6	1.4

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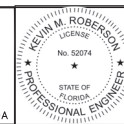
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KHA PROJECT 147864000	
DATE 02/03/23	
SCALE AS SHOWN	
DESIGNED BY	MD
DRAWN BY	ESM
CHECKED BY	KMR

WYLD OAKS INFRASTRUCTURE
PREPARED FOR
KELLY PARK VB DEVELOPMENT, LLC

CITY OF APOPKA



FLORIDA

GENERAL LIGHTING NOTES AND DETAILS

SHEET NUMBER

63

Plotted By: Settle, Corral Sheet: Setup Roadway Plans Layout: E4 MAINTENANCE OF TRAFFIC NOTES January 15, 2024 08:42:35mm K:\WB\DEV\147864000_Kelly Park_Apopka FL\CADD\PlanSheets\Roadway Plans\E4 MAINTENANCE OF TRAFFIC NOTES.dwg
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MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE FOLLOWING MAINTENANCE OF TRAFFIC DETAILS FROM FDOT STANDARD PLANS 102-600, 102-601, 102-602, 102-603, 102-604, 102-615 AND 102-660 HAVE BEEN PROVIDED TO GIVE THE CONTRACTOR GENERAL DIRECTION. THE CONTRACTOR SHALL DEVELOP DETAILED TRAFFIC CONTROL PLANS THAT MUST BE APPROVED BY THE CITY OF APOPKA PUBLIC WORKS DEPARTMENT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. AT NO TIME SHALL THE CONTRACTOR CLOSE THE ROAD TO THROUGH TRAFFIC. LANE CLOSURES MUST BE APPROVED BY THE CITY OF APOPKA PUBLIC WORKS DEPARTMENT AT LEAST TWO WEEKS PRIOR TO CLOSURE.
3. THE CONTRACTOR SHALL CONTACT IN WRITING ALL AFFECTED PROPERTY OWNERS 2 WEEKS PRIOR TO CONTRACTOR STARTING CONSTRUCTION. CONTRACTOR MUST MAINTAIN ACCESS TO ALL BUSINESS AND RESIDENCES AT ALL TIME.
4. MOT MUST BE IN COMPLIANCE WITH FDOT STANDARD PLANS SERIES 102 AND MUTCD (W REVISIONS).
5. PEDESTRIAN WALKWAY MUST FOLLOW FDOT STANDARD PLANS SERIES 102 PEDESTRIAN CONTROL FOR CLOSURE OF SIDEWALKS.
6. AT THE END OF EACH DAY, THE FDOT STANDARD PLANS SERIES 102 SHOULDER TREATMENT MUST BE FOLLOWED.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A DETAIL MAINTENANCE OF TRAFFIC PLAN TO THE CITY OF APOPKA PUBLIC WORKS DEPARTMENT TWO WEEKS PRIOR TO ANY CONSTRUCTION FOR APPROVAL.

No.	REVISIONS	DATE	BY

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PHONE: 772-794-4100
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KHA PROJECT 147864000
DATE 02/03/23
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

WYLD OAKS INFRASTRUCTURE
PREPARED FOR
KELLY PARK VB DEVELOPMENT, LLC

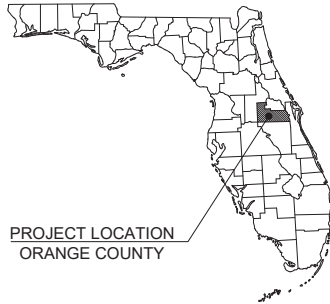
CITY OF APOPKA
FLORIDA



MAINTENANCE OF TRAFFIC
NOTES

SHEET NUMBER
64

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PROJECT LOCATION
ORANGE COUNTY

MASS GRADING PLANS

FOR

WYLD OAKS

LOCATED IN

APOPKA, FLORIDA

SECTION 13, TOWNSHIP 20S, RANGE 27E

PROJECT TEAM

OWNER
KELLY PARK VB DEVELOPMENT, LLC
ATTN: RONALD L. EDWARDS
660 BEACHLAND BLVD., SUITE 301
VERO BEACH, FL 32963
(772) 234-2410

ADDTL. OWNER
FREEMPT PARTNERS, G.P.
ATTN: RONALD L. EDWARDS
100 GULFVIEW AVENUE
FORT MYERS, FL 33951
(772) 234-2410

DEVELOPER
DOUBLE B DEVELOPMENT, LLC
ATTN: JOE BENNATI
660 BEACHLAND BLVD., SUITE 301
VERO BEACH, FL 32963
(772) 234-2410

SURVEYOR
JAMES L. RICKMAN, P.S.M.
ALLEN & COMPANY
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KIMLEY-HORN AND ASSOCIATES, INC.
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PALATKA, FL 32937
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APOPKA, FL 32703
(407) 703-1756
CONTACT: SEAN WYLM

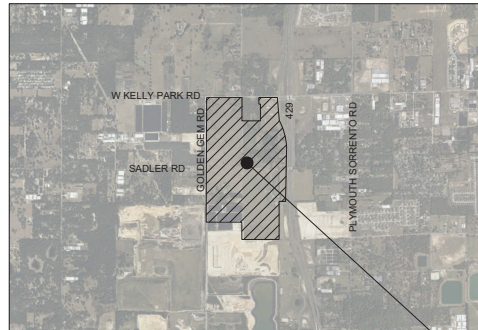
TRANSPORTATION
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CABLE PROVIDER
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APOPKA, FL 32703
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NATURAL GAS PROVIDER
LAKE APOPKA NATURAL GAS
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WINTER GARDEN, FL 34787
(407) 656-2734

ELECTRIC PROVIDER
DUKE ENERGY
P.O. BOX 14042
SAINT PETERSBURG, FL 33733
(888) 666-6669
CONTACT: JOEL MASTROGIACOMO



VICINITY
N.T.S.

PROJECT LOCATION

LEGAL DESCRIPTION:

A REPLAY OF KELLY PARK CROSSINGS, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 111, PAGES 122 AND 123, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, AND A PORTION OF SECTION 13, TOWNSHIP 20 SOUTH, RANGE 27 EAST, ORANGE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTH QUARTER CORNER OF SECTION 13, TOWNSHIP 20 SOUTH, RANGE 27 EAST, ORANGE COUNTY, FLORIDA, THENCE RUN 88°37'46"W, ALONG THE SOUTHLINE OF THE SOUTHWEST QUARTER OF SAID SECTION 13 FOR A DISTANCE OF 1354.80 FEET, THENCE DEPARTING SAID SOUTHLINE, RUN N80°29'47"W FOR A DISTANCE OF 87.03 FEET TO A POINT ON THE NORTHLINE OF THE NORTH 1/2 OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 13, THENCE RUN S80°27'25"W, ALONG SAID NORTHLINE FOR A DISTANCE OF 125.11 FEET TO A POINT ON THE EASTERLY RIGHT OF WAY LINE OF GOLDEN GEM ROAD, AS RECORDED IN OFFICIAL RECORD BOOK 41, PAGE 311 OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, THENCE DEPARTING SAID NORTHLINE, RUN S80°10'10"W, ALONG SAID EASTERLY RIGHT OF WAY LINE FOR A DISTANCE OF 204.43 FEET TO A POINT ON THE NORTHLINE OF THE SOUTHWEST QUARTER OF AFORESAID SECTION 13, THENCE RUN S80°29'36"W, CONTINUING ALONG SAID EASTERLY RIGHT OF WAY LINE FOR A DISTANCE OF 340.13 FEET TO A POINT ON THE SOUTH RIGHT OF WAY LINE OF KELLY PARK ROAD ACCORDING TO DEED BOOK 386, PAGE 186 OF THE AFORESAID PUBLIC RECORDS, THENCE DEPARTING SAID EASTERLY RIGHT OF WAY LINE, RUN N80°35'37"E, ALONG SAID SOUTH RIGHT OF WAY LINE FOR A DISTANCE OF 1324.2 FEET, THENCE DEPARTING SAID SOUTH RIGHT OF WAY LINE, RUN S80°41'47"E FOR A DISTANCE OF 85.14 FEET, THENCE RUN N80°41'77"E FOR A DISTANCE OF 164.19 FEET, THENCE RUN S80°24'57"E FOR A DISTANCE OF 36.00 FEET, THENCE RUN S80°34'17"E, ALONG A LINE PARALLEL WITH THE SOUTHLINE OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 13 FOR A DISTANCE OF 474.14 FEET, THENCE RUN N80°21'19"W FOR A DISTANCE OF 79.54 FEET, THENCE RUN S80°52'57"W FOR A DISTANCE OF 64.00 FEET, THENCE RUN N80°21'19"W FOR A DISTANCE OF 256.00 FEET TO A POINT ON THE SOUTH RIGHT OF WAY LINE OF KELLY PARK ROAD ACCORDING TO DOCUMENT NUMBER 20-688605 OF THE AFORESAID PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, THENCE RUN THE FOLLOWING 2 CURVES ALONG SAID SOUTH RIGHT OF WAY LINE: N80°57'57"E FOR A DISTANCE OF 86.48 FEET, THENCE RUN S80°29'17"E FOR A DISTANCE OF 35.75 FEET TO A POINT ON THE SOUTH LIMITED ACCESS RIGHT OF WAY LINE OF STATE ROAD NUMBER 329 (KELLY PARKWAY), THENCE RUN THE FOLLOWING CURVES ALONG THE SOUTH AND WEST LIMITED ACCESS RIGHT OF WAY LINE: N80°17'56"E FOR A DISTANCE OF 90.86 FEET, THENCE RUN S47°15'7"E FOR A DISTANCE OF 44.44 FEET, THENCE RUN S80°10'57"E FOR A DISTANCE OF 26.15 FEET, THENCE RUN S80°56'57"E FOR A DISTANCE OF 86.84 FEET TO THE POINT ON A NON TANGENT CONCAVE NORTHEASTERLY HAVING A RADIUS OF 206.11 FEET, WITH A CHORD BEARING OF S17°19'5"E, AND A CHORD DISTANCE OF 162.00 FEET, THENCE RUN NORTHEASTERLY ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 84°20'11" FOR A DISTANCE OF 152.65 FEET TO A POINT ON A NON TANGENT LINE, WITH A CHORD BEARING OF S89°54'47"E, AND A CHORD DISTANCE OF 460.97 FEET, THENCE RUN SOUTHERLY ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 10°04'04" FOR A DISTANCE OF 166.48 FEET TO A POINT OF TANGENCY, THENCE RUN S80°21'07"E FOR A DISTANCE OF 86.49 FEET, THENCE RUN S80°17'59"E FOR A DISTANCE OF 166.48 FEET, THENCE RUN S80°21'07"E FOR A DISTANCE OF 84.51 FEET, THENCE RUN S80°29'47"W FOR A DISTANCE OF 244.08 FEET, THENCE RUN S80°29'47"W FOR A DISTANCE OF 135.41 FEET TO THE POINT OF BEGINNING.

CONTAINS 13,254.916 SQUARE FEET OR 304.291 ACRES, MORE OR LESS.

PREPARED BY:

Kimley»Horn

Sheet List Table

- C-000 COVER SHEET
- C-100 GENERAL NOTES
- C-200 OVERALL DEMOLITION AND PHASE 1 EROSION CONTROL PLAN
- C-201 DEMOLITION AND PHASE 1 EROSION CONTROL PLAN
- C-202 DEMOLITION AND PHASE 1 EROSION CONTROL PLAN
- C-203 DEMOLITION AND PHASE 1 EROSION CONTROL PLAN
- C-204 DEMOLITION AND PHASE 1 EROSION CONTROL PLAN
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- C-400 POND CROSS SECTIONS
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- C-450 DRAINAGE STRUCTURE DETAILS

CITY OF APOPKA PROJECT NARRATIVE:

PURPOSE OF JAN 2024 REVISIONS: TO INCLUDE THE MASS GRADING AND EROSION CONTROL NEEDED FOR THE DEVELOPMENT OF THE NEWLY INCLUDED 44+ ACRE LAND ADDITION FOUND IN THE SW CORNER OF SITE. AREAS OF GRADING FOR THE SE PORTIONS HAVE BEEN REMOVED AND THEIR APPLICABLE PONDS. THIS WORK WILL STILL BE IN A LATER PHASE.

THE FOLLOWING PLANS ARE IN ACCORDANCE WITH APPROVED S&W&D ERP PERMIT #18991-3 DATED DECEMBER 19TH, 2023.

THE FOLLOWING PLANS ARE FOR THE MASS GRADING AND INSTALLATION OF OVERALL STORMWATER INFRASTRUCTURE TO SERVE THE WYLD OAKS DEVELOPMENT. THE SCOPE OF WORK WILL INCLUDE BUT ARE NOT LIMITED TO: REMOVAL OF EXISTING STRUCTURES, CLEARING AND GRUBBING, GRADING OF STORMWATER PONDS, INSTALLATION OF POND OUTFALLS (NO DISCHARGE) OFFSITE FROM POND), GRADING OF SETL FOR FUTURE ROADWAY AND DEVELOPMENTS, SO-AND SEEDING, AND EROSION CONTROL MEASURES DURING CONSTRUCTION.

NO.	DATE	BY	REVISIONS
1	12/06/23	GTS	BID REVISIONS
2	11/09/23	GTS	S&W&D COMMENTS
3	7/19/23	ESM	BID REVISION
4	5/15/23	ESM	BID QUESTIONS
5	5/15/23	ESM	BID ISSUANCE
6	01/27/23	ESM	S&W&D COMMENTS
7	01/27/23	GTS	BID REVISION
8	10/19/22	ESM	BID REVISION
9	9/23/22	ESM	BID REVISION

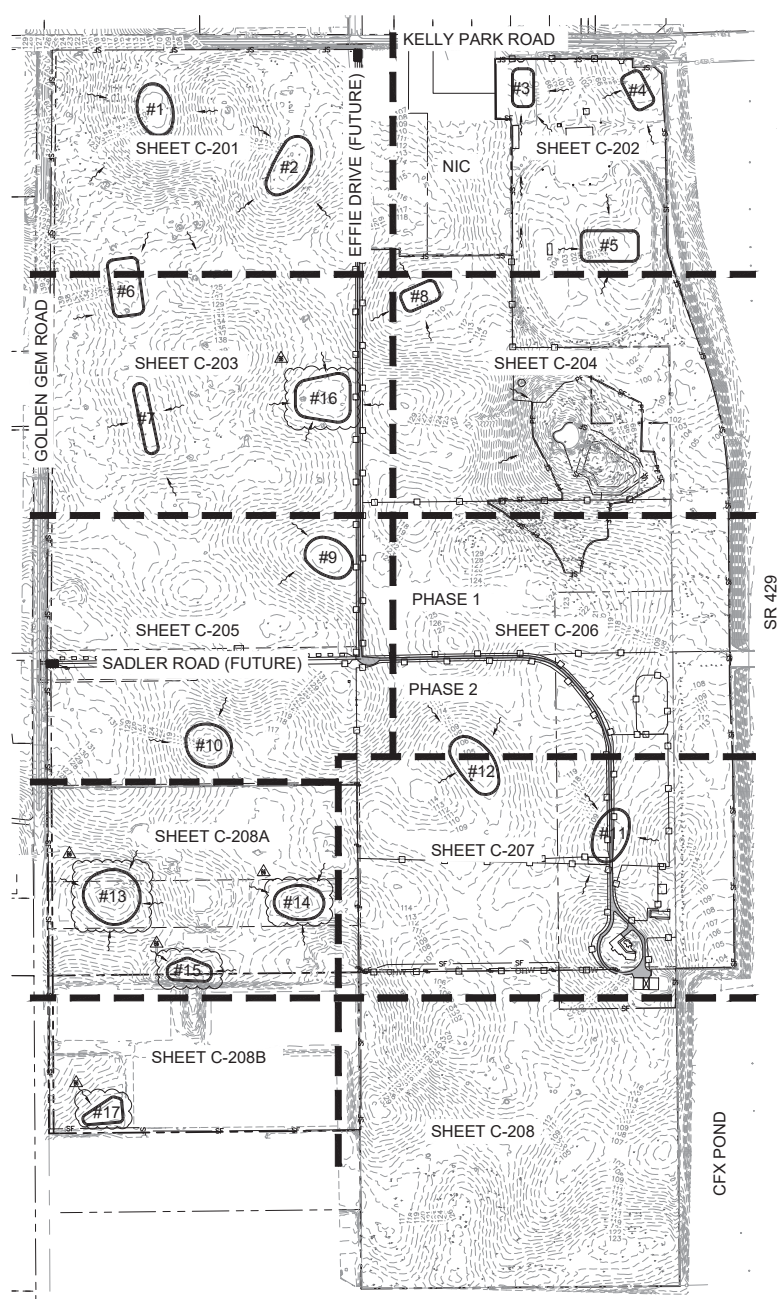
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KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
WWW.KIMLEY-HORN.COM
REGISTRY NO. 35108

KEVIN M. ROBERSON
No. 50274
STATE OF FLORIDA
PROFESSIONAL ENGINEER
1/15/24

COVER SHEET

WYLD OAKS MASS
GRADING
PREPARED FOR
DOUBLE B DEVELOPMENT, LLC
CITY OF APOPKA
FLORIDA

SHEET NUMBER
C-000



SEDIMENT BASIN SIZING CALCULATION

REQUIRED (BASED ON DISTURBED AREAS):
 $260.48 \text{ AC} \times 3600 \text{ FT}^2/\text{AC} = 937,728 \text{ FT}^2 = 10.76 \text{ AC AT } 2' \text{ DEE}$

PROVIDED AREAS = 10.86 AC

SEDIMENT BASIN 2	= 0.79 AC
SEDIMENT BASIN 3	= 0.36 AC
SEDIMENT BASIN 4	= 0.37 AC
SEDIMENT BASIN 5	= 0.78 AC
SEDIMENT BASIN 6	= 0.78 AC
SEDIMENT BASIN 7	= 0.43 AC
SEDIMENT BASIN 8	= 1.01 AC
SEDIMENT BASIN 9	= 0.66 AC
SEDIMENT BASIN 10	= 0.71 AC
SEDIMENT BASIN 11	= 0.71 AC
SEDIMENT BASIN 12	= 0.85 AC
SEDIMENT BASIN 13	= 0.85 AC
SEDIMENT BASIN 14	= 0.63 AC
SEDIMENT BASIN 15	= 0.36 AC
SEDIMENT BASIN 16	= 1.01 AC
SEDIMENT BASIN 17	= 0.35 AC

TOTAL PROVIDED = 10.86 AC

DATUM NOTE

1. ELEVATIONS SHOWN HEREON ARE BASED ON ORANGE COUNTY DATUM, BENCHMARK NUMBER L-708-026, ELEVATION BEING 127.968, NORTH AMERICAN VERTICAL DATUM OF 1988

CONTRACTOR TO REFER
TO TREE REMOVAL
PLANS. PROTECTION
FENCING MUST BE
INSTALLED PRIOR TO ANY
WORK IN THIS PLAN SET.

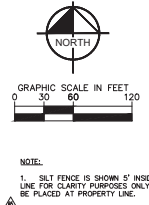
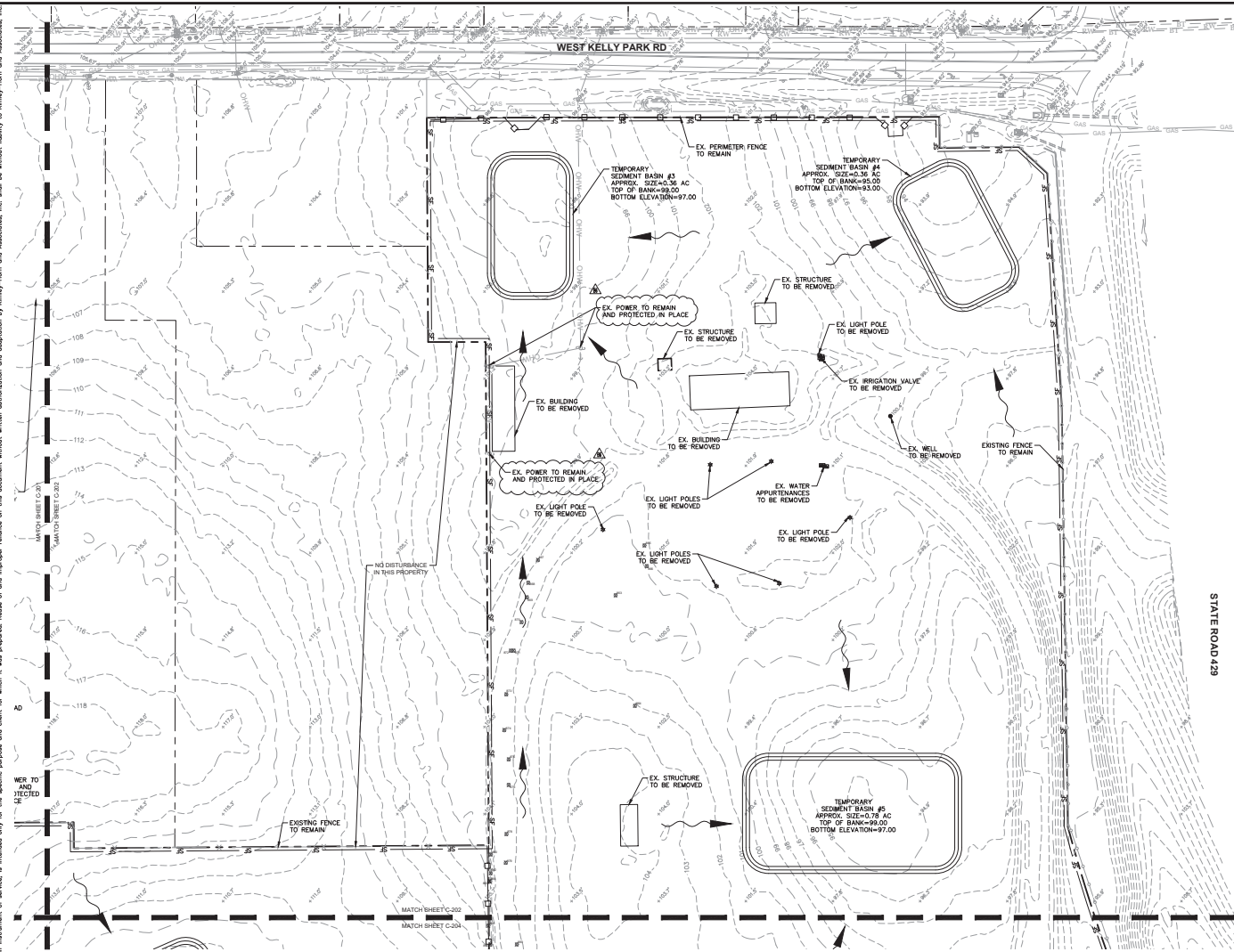
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OVERALL
DEMOLITION AND
PHASE 1 EROSION
CONTROL PLAN

WYLD OAKS MASS
GRADING
PREPARED FOR
DOUBLE B DEVELOPMENT, LLC
CITY OF APOPKA
FLORIDA

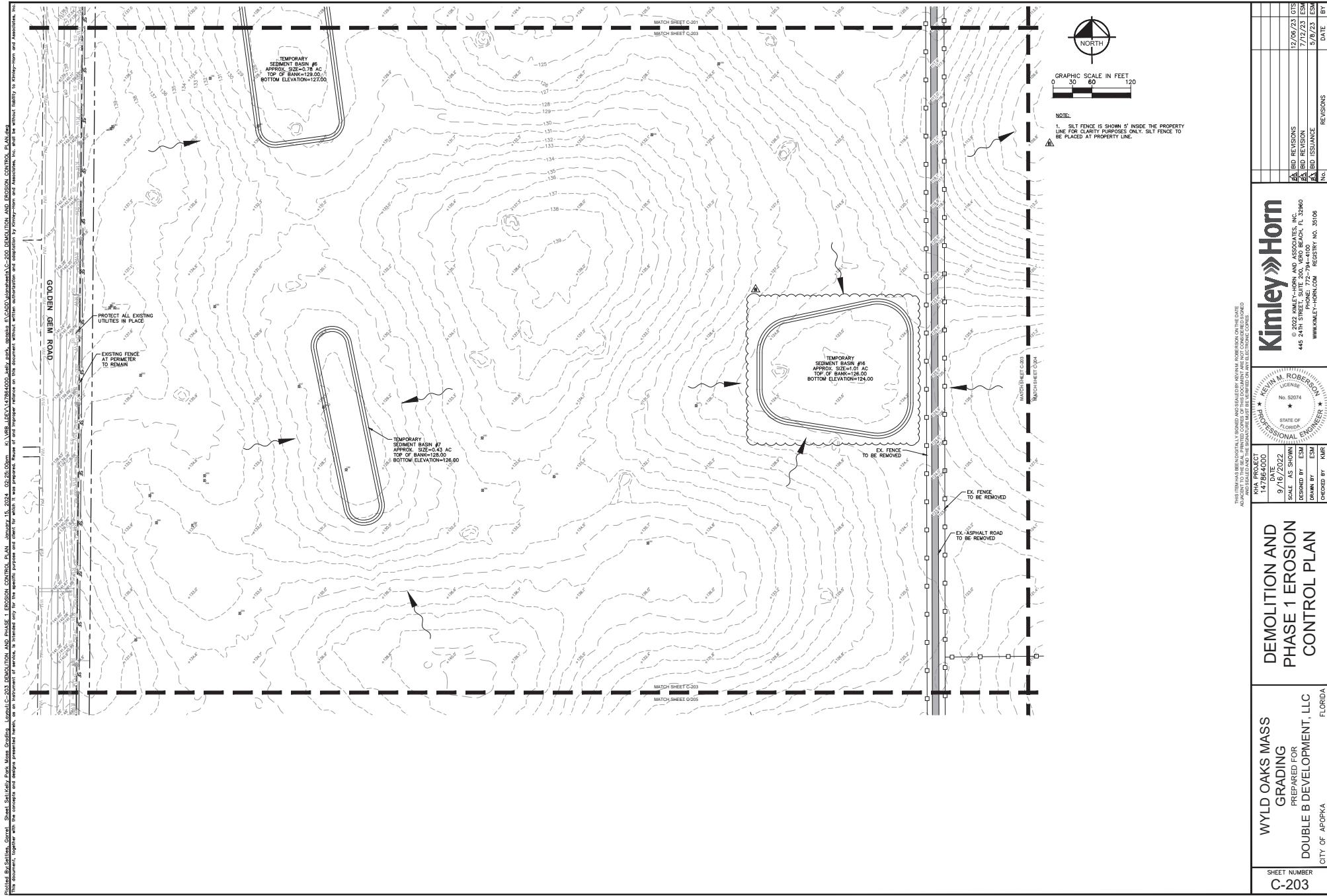
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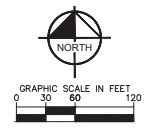
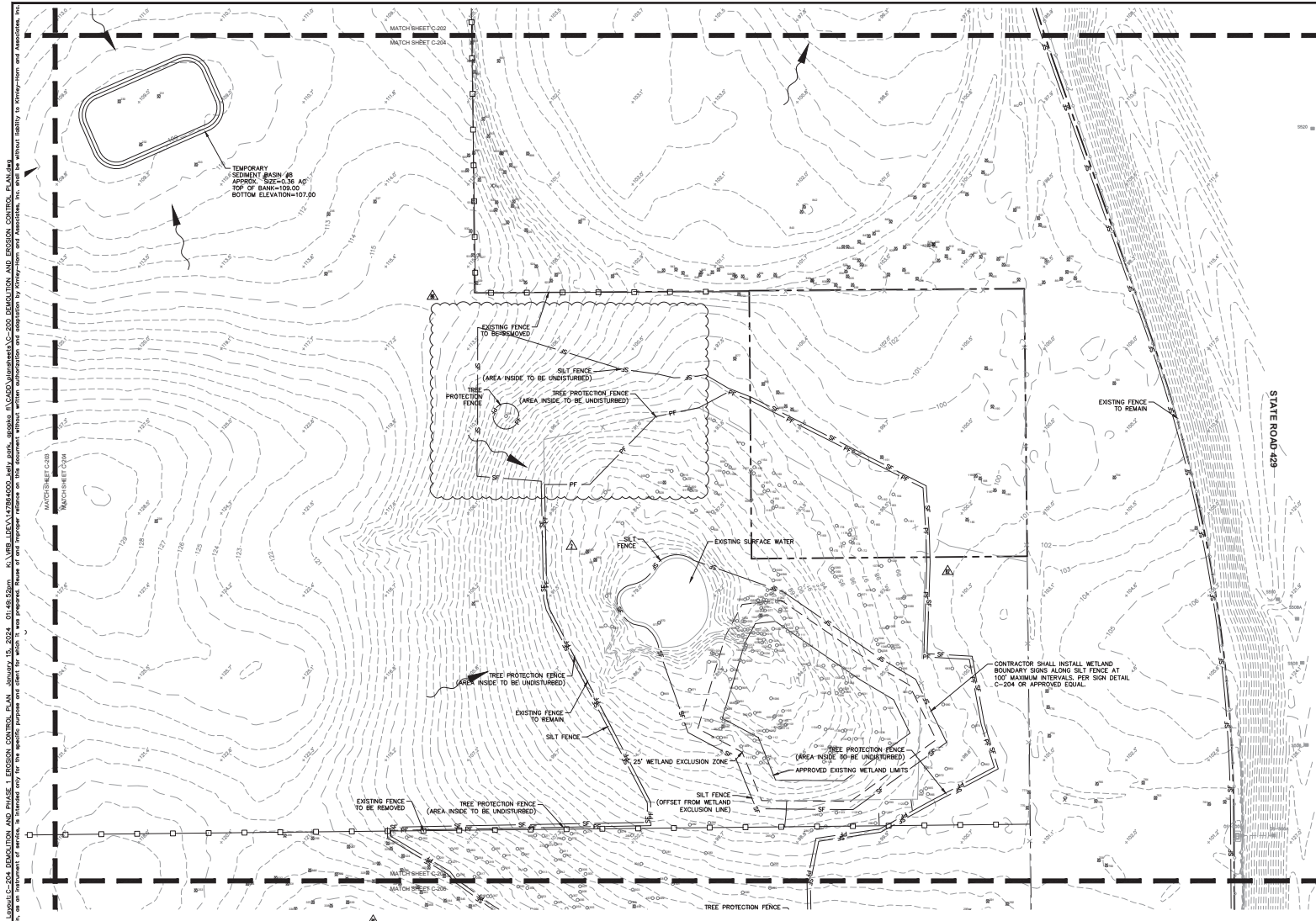
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WYLD OAKS MASS GRADING PREPARED FOR DOUBLE B DEVELOPMENT, LLC CITY OF APOPKA, FLORIDA		DEMOLITION AND PHASE 1 EROSION CONTROL PLAN		KHA PROJECT NO. 147100 DATE: 9/16/2022 SCALE: AS SHOWN DESIGNED BY: ESM DRAWN BY: ESM CHECKED BY: MRS		Kimley»Horn © 2022 KIMLEY-HORN AND ASSOCIATES, INC. 440 24TH STREET, SUITE 200, VERO BEACH, FL 32960 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106	12/06/23 GTS 7/12/23 ESM 5/9/23 ESM 5/9/23 ESM	REVISIONS NO. DATE BY
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NOTE:
1. SILT FENCE IS SHOWN 5' INSIDE THE PROPERTY LINE FOR CLARITY PURPOSES ONLY. SILT FENCE TO BE PLACED AT PROPERTY LINE.

NOTICE
WETLAND AREA
NO DISCHARGE,
DUMPING, OR CLEARING

WETLAND BOUNDARY SIGN
N.T.S.

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WYLD OAKS MASS
GRADING
PREPARED FOR
DOUBLE B DEVELOPMENT, LLC
CITY OF APOPKA
FLORIDA

DEMOLITION AND
PHASE 1 EROSION
CONTROL PLAN

147864000
DATE
9/16/2022
SCALE AS SHOWN
DESIGNED BY ESM
DRAWN BY ESM
CHECKED BY MRS

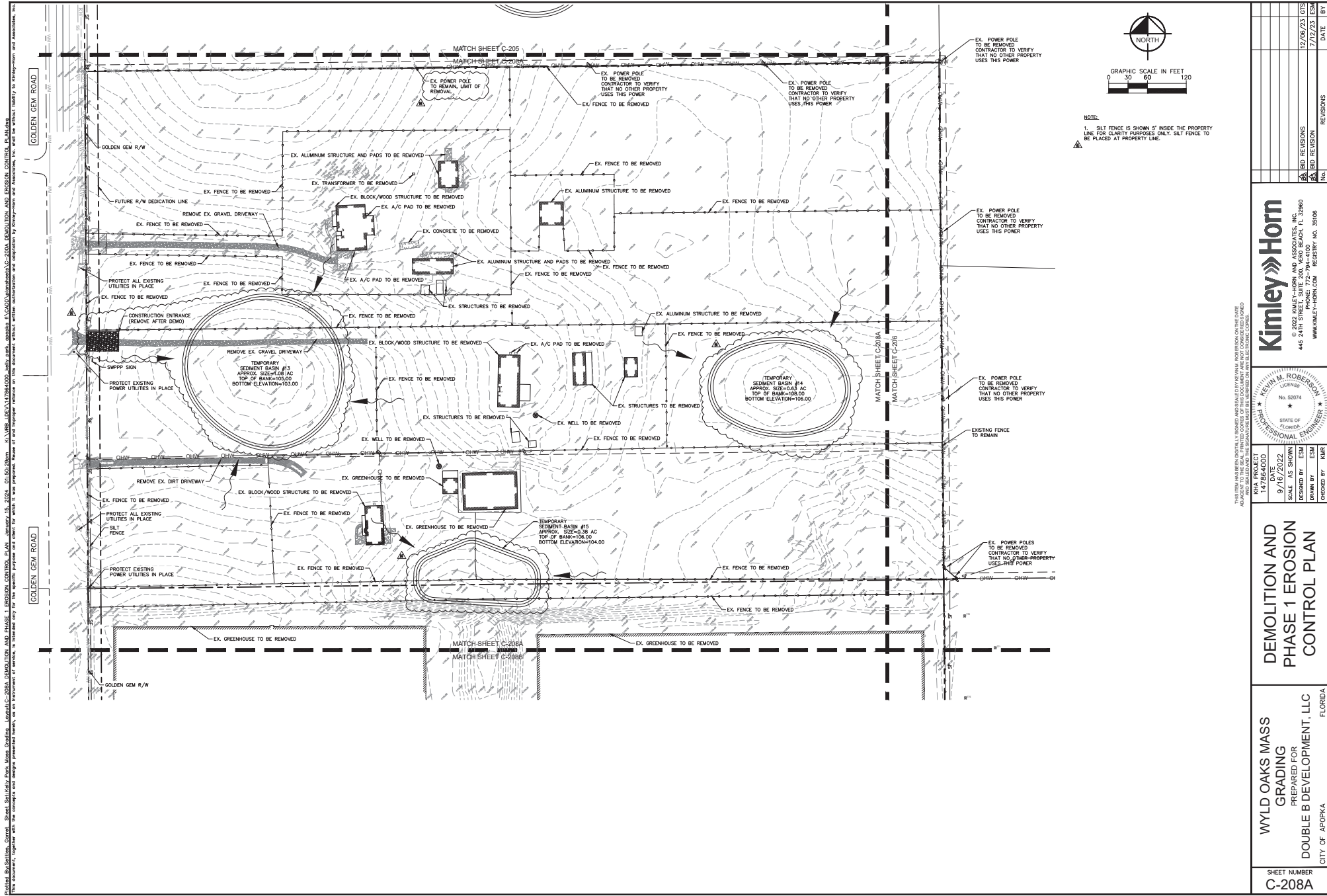
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440 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-784-1100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KEVIN M. ROBERTSON
LICENSE
No. 52074
STATE OF FLORIDA
PROFESSIONAL ENGINEER

12/08/23 ESM
17/12/23 ESM
5/6/23 ESM
9/2/23 ESM
10/17/23 OTS
03/17/23 OTS
BID REVISION
BID REVISION
9/23/22 ESM

NO. REVISIONS DATE BY

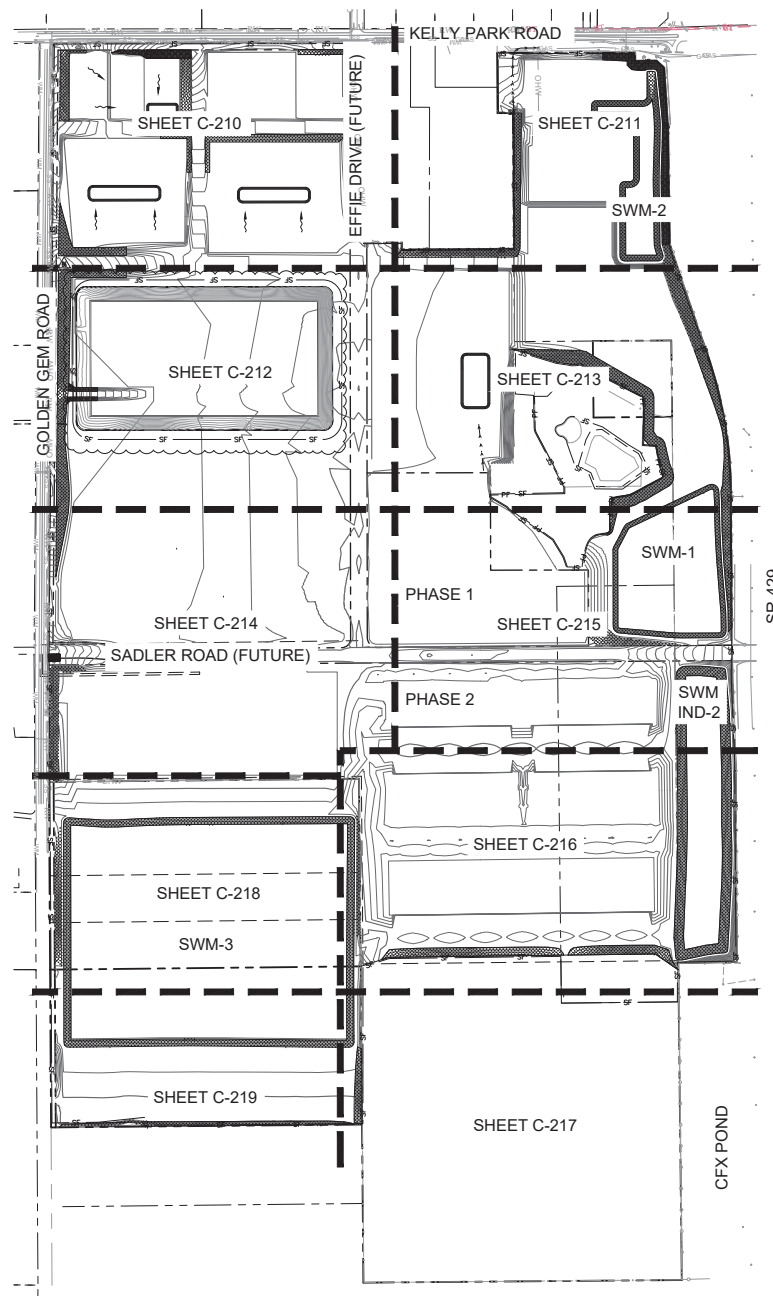
C-204
SHEET NUMBER



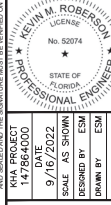
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WYLD OAKS MASS GRADING PREPARED FOR DOUBLE B DEVELOPMENT, LLC CITY OF APOPKA	DEMOLITION AND PHASE 1 EROSION CONTROL PLAN	KIMLEY-HORN PROFESSIONAL ENGINEER No. 50574 STATE OF FLORIDA	KHA PROJECT 147100 DATE 9/16/2022 SCALE AS SHOWN DESIGNED BY ESM DRAWN BY ESM CHECKED BY MRF		1/15/24
			KHA PROJECT 147100 DATE 9/16/2022 SCALE AS SHOWN DESIGNED BY ESM DRAWN BY ESM CHECKED BY MRF		
SHEET NUMBER C-208A		KIMLEY-HORN 440 24TH STREET, SUITE 200, VERO BEACH, FL 33460 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106		REVISIONS 12/09/23 OTS 7/12/23 ESM	



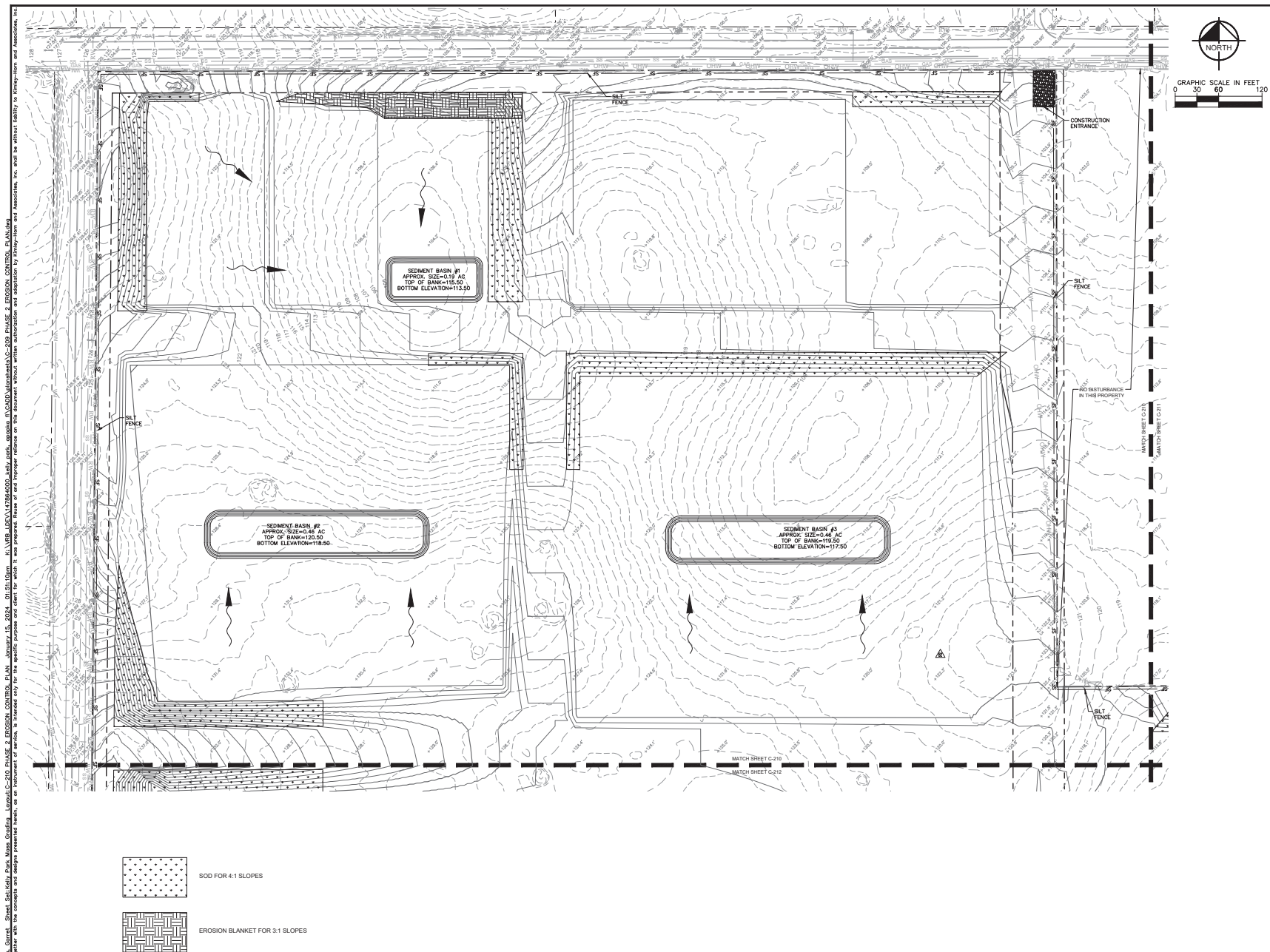
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OVERALL PHASE 2 EROSION CONTROL PLAN

WYLD OAKS MASS
GRADING
PREPARED FOR
DOUBLE B DEVELOPMENT, LLC

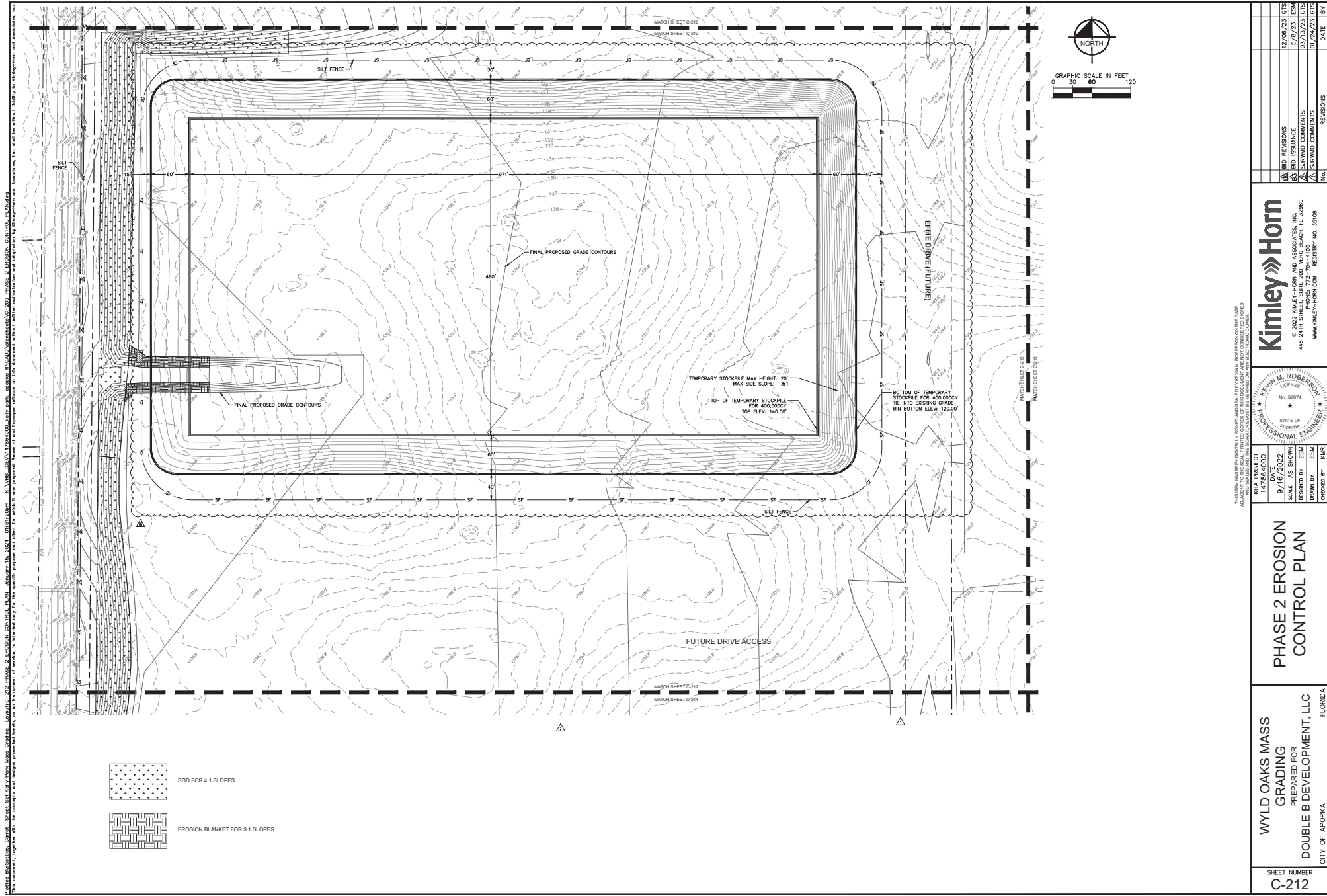
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				BID ISSUANCE	5/8/23	ESM
				S.R.M.WD COMMENTS	03/13/23	GTS
				S.R.M.WD COMMENTS	01/27/23	GTS



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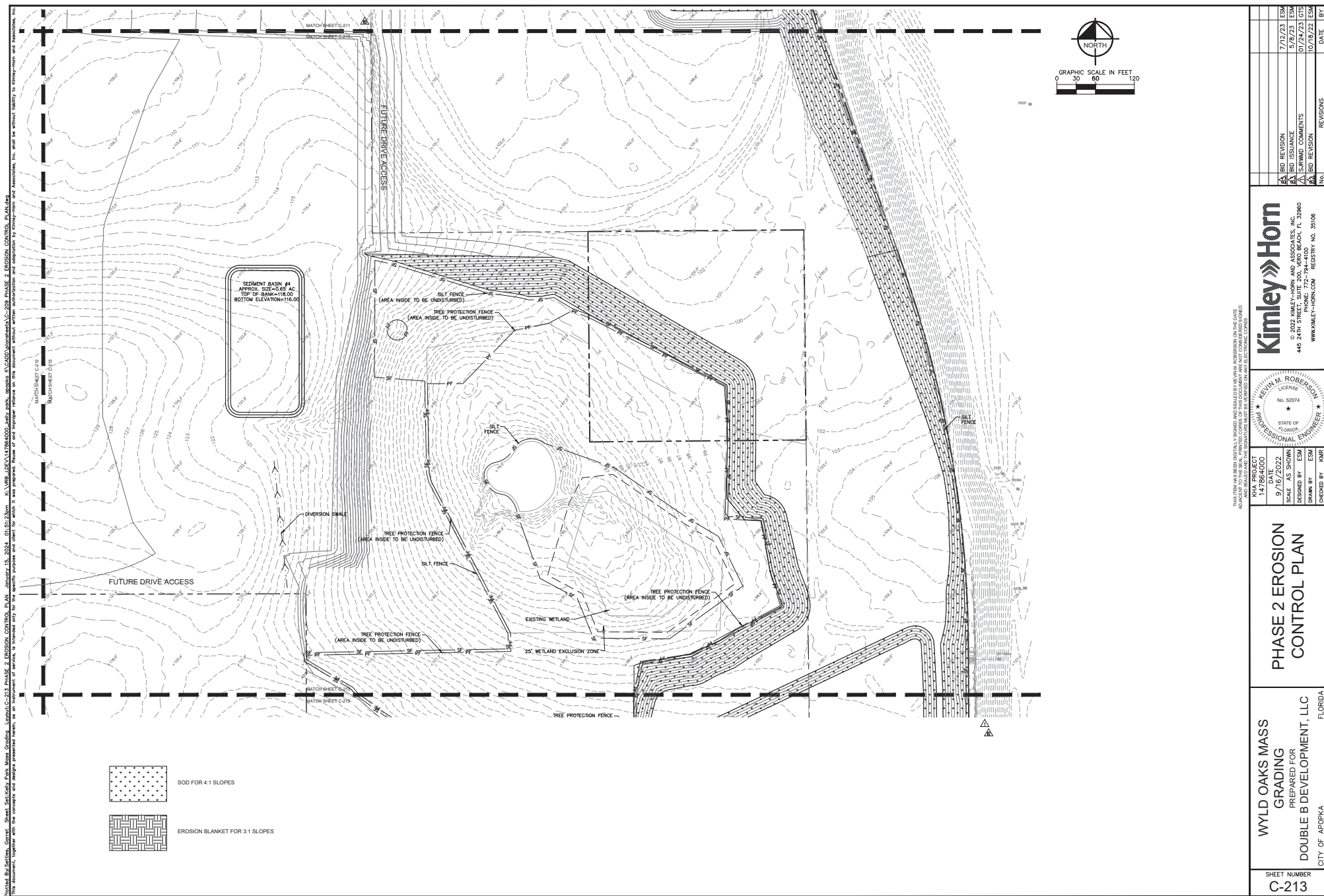
SHEET NUMBER C-210	WYLD OAKS MASS GRADING PREPARED FOR DOUBLE B DEVELOPMENT, LLC CITY OF APOPKA FLORIDA	PHASE 2 EROSION CONTROL PLAN	KMA PROJECT 147864000 DATE 9/16/2022 SCALE AS SHOWN DESIGNED BY ESM DRAWN BY ESM CHECKED BY KMR	Kimley»Horn © 2022 KIMLEY-HORN AND ASSOCIATES, INC. 445 24TH STREET, SUITE 200, VERO BEACH, FL 33960 WWW.KIMLEY-HORN.COM REGISTRY NO. 30106	☒ BID ISSUANCE ☒ S&M COMMENTS ☐ BID REVISION No. _____ DATE ____/____/____ BY ____
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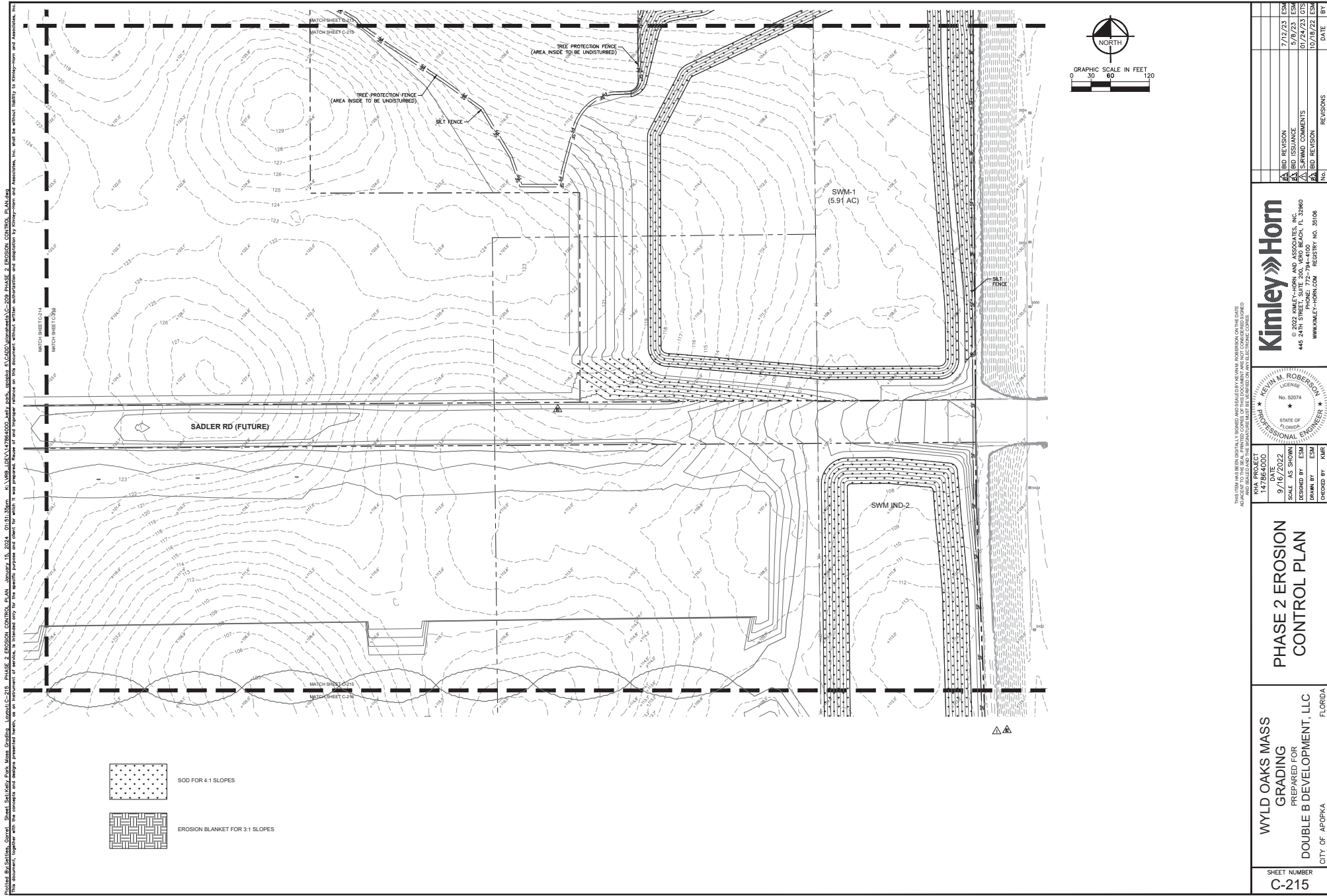


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SHEET NUMBER C-212		PROJECT NO. 14712-00		DATE 9/16/2022	
DESIGNED BY ESM		SCALE AS SHOWN		LICENSE No. 50574 STATE OF FLORIDA PROFESSIONAL ENGINEER	
DRAWN BY ESM		CHECKED BY KMR		REVISIONS 12/09/23 OTS 9/13/23 ESM 07/13/23 OTS 07/24/23 OTS	
BY		DATE		1/15/24	

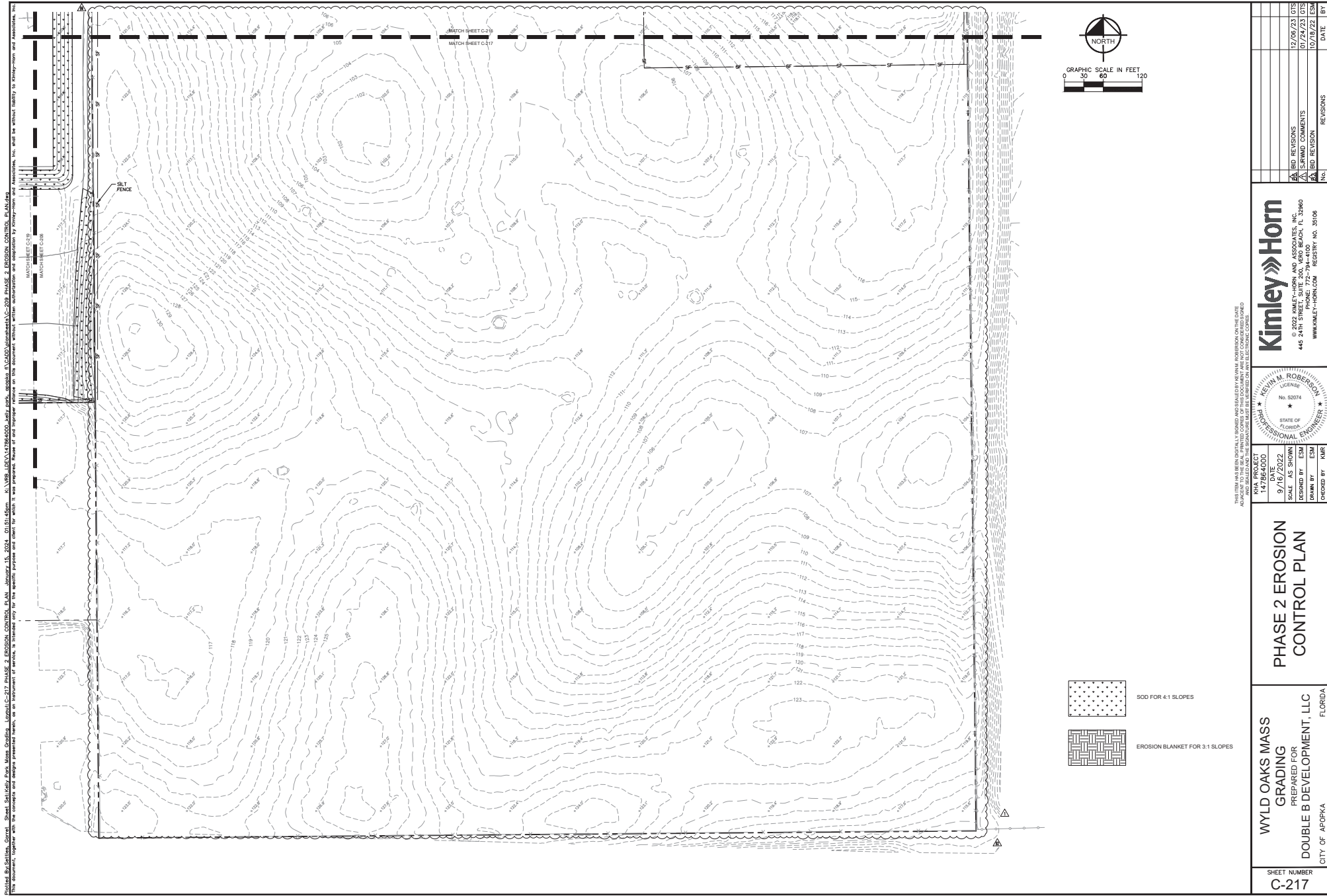




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WYLD OAKS MASS GRADING PREPARED FOR DOUBLE B DEVELOPMENT, LLC CITY OF APOPKA		PHASE 2 EROSION CONTROL PLAN		KHA PROJECT 147400 DATE 9/16/2022 SCALE AS SHOWN DESIGNED BY ESM DRAWN BY ESM CHECKED BY KMR		 KEVIN M. ROBERTSON LICENSE No. 50574 STATE OF FLORIDA PROFESSIONAL ENGINEER		 © 2022 KIMLEY-HORN AND ASSOCIATES, INC. 440 24TH STREET, SUITE 200, VERO BEACH, FL 32960 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106		A/BID REVISION 7/12/23 ESM A/BID REVISION 9/12/23 ESM A/BID ISSUANCE 01/24/23 OTS A/IS/RWD COMMENTS 10/18/22 ESM A/BID REVISION 10/18/22 ESM	
SHEET NUMBER C-215								REVISIONS		DATE BY	



PREPARED BY: WYLD OAKS MASS GRADING, LLC
 PROJECT: WYLD OAKS MASS GRADING, LLC
 SHEET: C-217
 DATE: 9/16/2022
 DESIGNED BY: ESM
 DRAWN BY: ESM
 CHECKED BY: KMR
 CITY OF APOPKA, FLORIDA

THIS SET HAS BEEN DIGITALLY SIGNED AND SEALED BY KEVIN M. ROBERTSON ON THE DATE
 9/16/2022 AT 10:00 AM. ANY REVISIONS TO THIS SET MUST BE MADE IN THE ORIGINAL SET.

KHA PROJECT
 DATE
 9/16/2022
 SCALE AS SHOWN
 DESIGNED BY ESM
 DRAWN BY ESM
 CHECKED BY KMR

PHASE 2 EROSION CONTROL PLAN

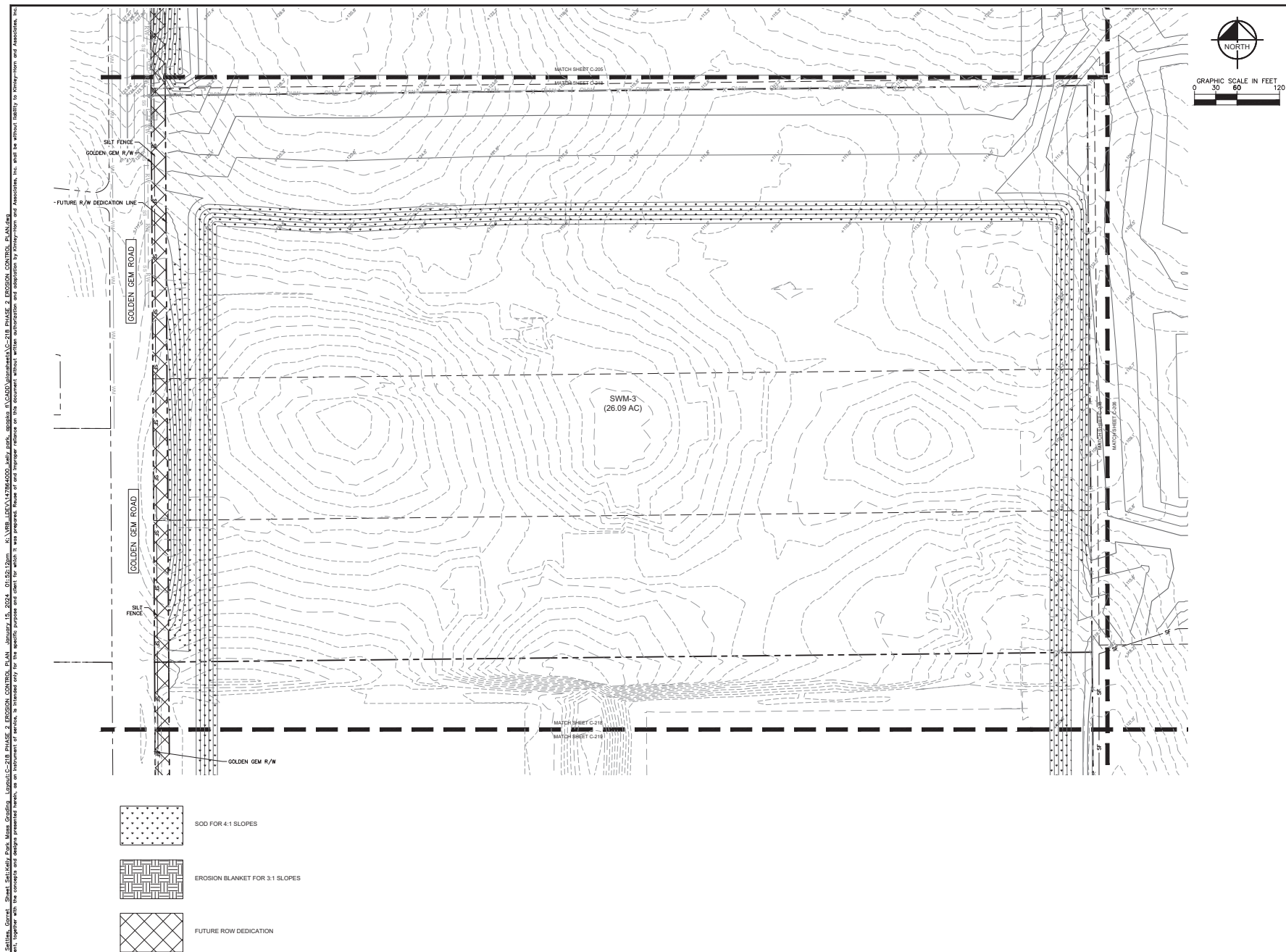
WYLD OAKS MASS
 GRADING
 PREPARED FOR
 DOUBLE B DEVELOPMENT, LLC
 CITY OF APOPKA, FLORIDA

SHEET NUMBER
 C-217

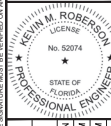
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 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KEVIN M. ROBERTSON
 LICENSE
 No. 50574
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER

NO.	REVISIONS	DATE	BY
1	BID REVISIONS	12/06/23	OTS
2	IS-RWAD COMMENTS	01/24/24	OTS
3	BID REVISION	10/18/22	ESM



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY KEVIN M. ROBERSON ON THE DATE
ADJUNCT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED
AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



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445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

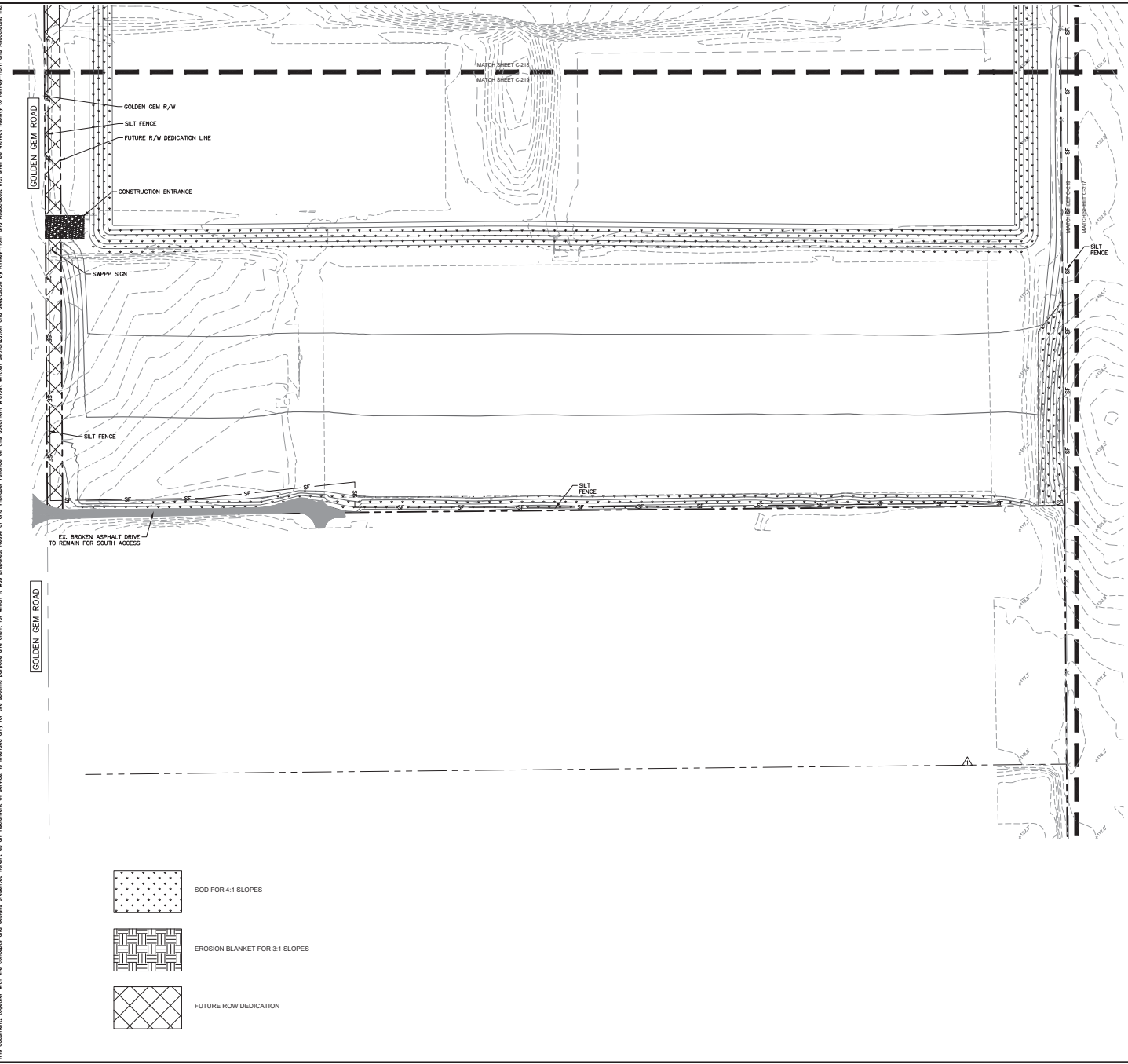
PHASE 2 EROSION CONTROL PLAN

WYLD OAKS MASS
GRADING
PREPARED FOR
DOUBLE B DEVELOPMENT, LLC
CITY OF APOPKA
FLORIDA

SHEET NUMBER
C-218

1/15/74

WYLD OAKS MASS GRADING - PHASE 2 EROSION CONTROL PLAN
SHEET C-219
DESIGNED BY: KIMLEY-HORN AND ASSOCIATES, INC.
DATE: 9/16/2022
SCALE: AS SHOWN
DRAWN BY: ESM
CHECKED BY: KMR



- SOO FOR 4:1 SLOPES
- EROSION BLANKET FOR 3:1 SLOPES
- FUTURE ROW DEDICATION

THIS SET HAS BEEN DIGITALLY SIGNED AND SEALED BY KEVIN M. ROBERTSON ON THE DATE 9/16/2022. ANY REVISIONS TO THIS SET MUST BE MADE IN THE ORIGINAL SET AND RE-SEALED BY THE SIGNATURE PART BE FORCED ON ANY E-PRINTING COPIES.

KEVIN M. ROBERTSON
LICENSE
No. 50574
STATE OF FLORIDA
PROFESSIONAL ENGINEER

PHASE 2 EROSION
CONTROL PLAN

WYLD OAKS MASS
GRADING
PREPARED FOR
DOUBLE B DEVELOPMENT, LLC
CITY OF APOPKA
FLORIDA

SHEET NUMBER
C-219

NO.	REVISIONS	DATE	BY

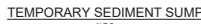
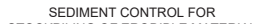
Kimley»Horn
© 2022 KIMLEY-HORN AND ASSOCIATES, INC.
440 24TH STREET, SUITE 200, VERO BEACH, FL 33460
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< 3	TYPE 1a	TYPE 1b	TYPE 1c	TYPE 1d		
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12 - 24	TYPE 3a	TYPE 3b	TYPE 3c	TYPE 3d	TYPE 3e	
24 - 36	TYPE 4a	TYPE 4b	TYPE 4c	TYPE 4d	TYPE 4e	TYPE 4f
>36	TYPE 5 a,b,c					

Figure III-1: Disturbed Slope RECP Selection Guide (ECTC, 2004).

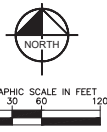
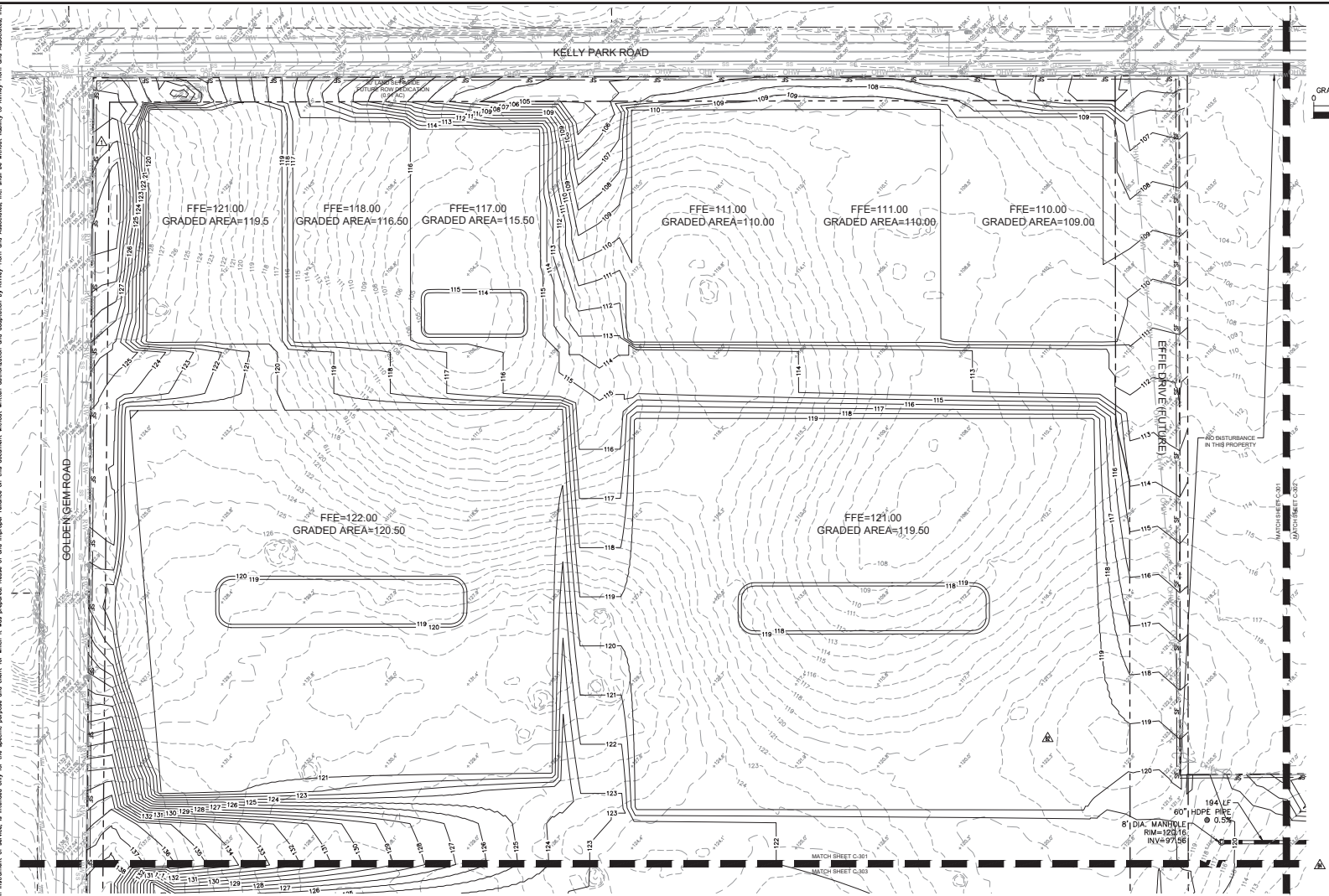
- Type 2 products are more durable than either Type 1 or Type 2 products and may be composed of double net straw, straw-coconut, coconut, and excelsior, as well as jute.
- Type 3 products are expected to remain a viable erosion control material for long duration. Consequently, to exceed standards found in Type 1 through Type 1 products, they may be composed of double net coconut and excelsior.
- Type 5 products are expected to have long-term functional longevity and are composed polyolefin fibers, polypropylene, and nylon. Some products may be excelsior or a combination of polypropylene and straw-coconut/coconut material.



N.T.S.

- NOTES:
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES.
 2. FILTER FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 3. ALL TREES RETAINED ON A SITE SHALL BE PROTECTIVELY BARRICADED BEFORE AND DURING CONSTRUCTION ACTIVITIES.
 4. UNDERGROUND UTILITY LOCATIONS SHALL BE ROUTED AROUND EXISTING TREES TO THE OUTSIDE OF THE DRILLPIE WHEN ABLE.
 5. INSTALLATION OF FENCES AND WALLS SHALL TAKE INTO CONSIDERATION THE LOCATION OF EXISTING TREES.
 6. FENCE/BARRICADE SHALL BE INSTALLED AT PERIMETER OF ALL TREES OR GROUP OF TREES TO BE PRESERVED. FENCE SHALL BE MAINTAINED DURING CONSTRUCTION.
 7. DO NOT PLACE HEAVY EQUIPMENT ON TREE ROOTS. DO NOT ADD FILL 4' TO 6" AROUND TREE. ALL WORK WITHIN THE CRZ MUST BE DONE BY HAND.

MASS GRADING PLAN
KIMLEY-HORN AND ASSOCIATES, INC.
14710 N. W. 27th Ave., Suite 200, Fort Lauderdale, FL 33309
Tel: 954.347.1111 Fax: 954.347.1112
www.kimley-horn.com
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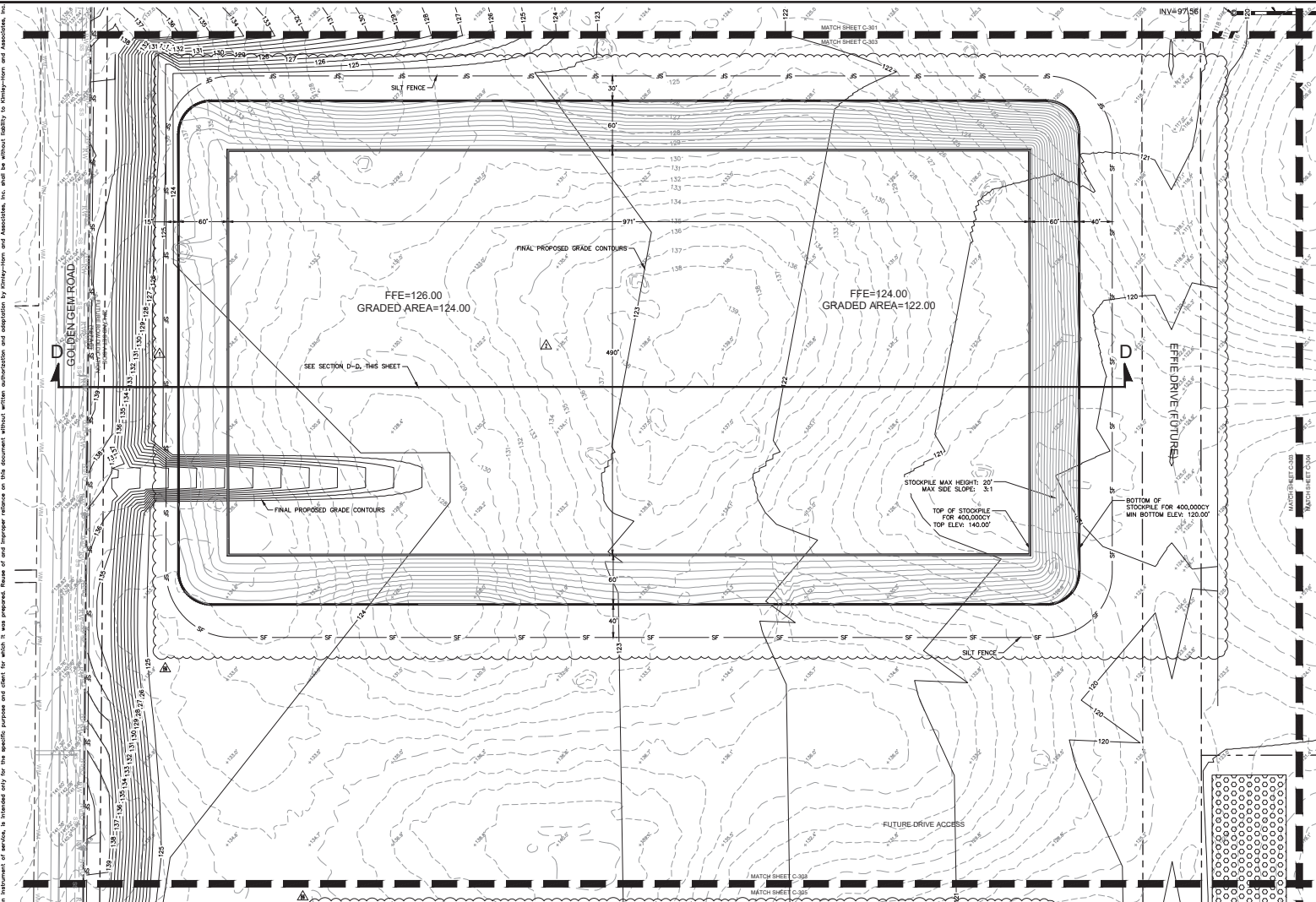
WYLD OAKS MASS GRADING PREPARED FOR DOUBLE B DEVELOPMENT, LLC CITY OF APOPKA FLORIDA	MASS GRADING PLAN	Kimley»Horn © 2022 KIMLEY-HORN AND ASSOCIATES, INC. 440 24TH STREET, SUITE 200, VERO BEACH, FL 32960 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106	REVISIONS		DATE	BY
			No.			
			A. BID QUESTIONS		9/14/23	ESM
			B. BID ISSUANCE		9/14/23	ESM
C. BIDDING COMMENTS		07/24/23	OTB			
D. BID REVISION		10/18/22	ESM			

KHA PROJECT	14710 N. W. 27th Ave.
DATE	9/16/2022
SCALE	AS SHOWN
DESIGNED BY	ESM
DRAWN BY	ESM
CHECKED BY	KMF

1/15/24

KEVIN M. ROBERTSON
LICENSE
No. 52574
STATE OF FLORIDA
PROFESSIONAL ENGINEER

NOTED: 1. SEE SHEET C-303 FOR MASS GRADING PLAN. 2. SEE SHEET C-304 FOR MASS GRADING PLAN. 3. SEE SHEET C-305 FOR MASS GRADING PLAN. 4. SEE SHEET C-306 FOR MASS GRADING PLAN. 5. SEE SHEET C-307 FOR MASS GRADING PLAN. 6. SEE SHEET C-308 FOR MASS GRADING PLAN. 7. SEE SHEET C-309 FOR MASS GRADING PLAN. 8. SEE SHEET C-310 FOR MASS GRADING PLAN. 9. SEE SHEET C-311 FOR MASS GRADING PLAN. 10. SEE SHEET C-312 FOR MASS GRADING PLAN. 11. SEE SHEET C-313 FOR MASS GRADING PLAN. 12. SEE SHEET C-314 FOR MASS GRADING PLAN. 13. SEE SHEET C-315 FOR MASS GRADING PLAN. 14. SEE SHEET C-316 FOR MASS GRADING PLAN. 15. SEE SHEET C-317 FOR MASS GRADING PLAN. 16. SEE SHEET C-318 FOR MASS GRADING PLAN. 17. SEE SHEET C-319 FOR MASS GRADING PLAN. 18. SEE SHEET C-320 FOR MASS GRADING PLAN. 19. SEE SHEET C-321 FOR MASS GRADING PLAN. 20. SEE SHEET C-322 FOR MASS GRADING PLAN. 21. SEE SHEET C-323 FOR MASS GRADING PLAN. 22. SEE SHEET C-324 FOR MASS GRADING PLAN. 23. SEE SHEET C-325 FOR MASS GRADING PLAN. 24. 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FUTURE RIGHT-OF-WAY DEDICATION

AREA OF OVER-EXCAVATION (ANY SIDE SLOPE GRADING WOULD BE OUTSIDE OF THE HATCHED AREA)

OVER-EXCAVATION NOTE:

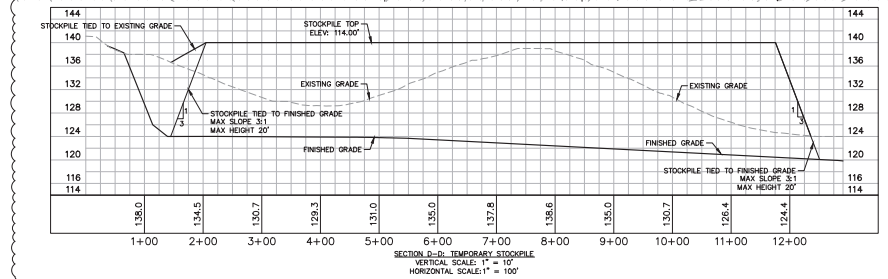
AREAS OF OVER-EXCAVATION SHALL BE CUT TO A DEPTH OF AT LEAST 5 FEET BELOW EXISTING GRADE IN AREAS WHERE FILL WILL BE PLACED AND TO A DEPTH OF 5 FEET BELOW FINISHED GRADE IN FINISHED CUT SECTIONS. THE SOIL TOPS OF THE EXCAVATIONS SHOULD THEN BE PROFILES AND COMPACTED.

AFTER PROFILES AND PRIOR TO FILL PLACEMENT, EXPOSED SOILS SHOULD BE UNIFORMLY COMPACTED TO AT LEAST 95 PERCENT OF THE MODIFIED PROCTOR (ASTM D1557) MAXIMUM DRY DENSITY TO A DEPTH OF AT LEAST 18 INCHES BELOW THE COMPACTED SURFACE. REGARDLESS OF THE DEGREE OF COMPACTION ACHIEVED, A MINIMUM OF EIGHT (8) COMPLETE OVERLAPPING COVERS SHOULD BE MADE IN THE BUILDING PAD AND PAVEMENT AREAS WITH THE COMPACTION EQUIPMENT TO HELP INCREASE THE DENSITY AND IMPROVE THE UNIFORMITY OF THE UNDERLYING SANDY SOILS.

STRUCTURAL FILL SHOULD CONSIST OF COHESIONLESS SANDS CONTAINING NO MORE THAN 12 PERCENT FINER (UNITED SOIL CLASSIFICATION SP, SP-SIC, OR SP-AM - MOST ONSITE SOILS QUALITY) THAT ARE FREE (LESS THAN 5%) OF ORGANIC MATTER, DEBRIS, ROOTS, DELETERIOUS MATTER, AND ELONGATED OR FLAT PARTICLES. SUSCEPTIBLE TO DEGRADATION. ALL MATERIALS BEING USED AS FILL AND BACKFILL SHOULD BE TESTED AND APPROVED BY THE GEOTECHNICAL ENGINEER BEFORE PLACEMENT.

STRUCTURAL FILL SHOULD BE PLACED AND COMPACTED IN LOOSE LIFT THICKNESSES APPROPRIATE FOR THE COMPACTION EQUIPMENT BEING USED. FOR DRUM ROLLERS AT LEAST 36 INCHES IN DIAMETER, THE MAXIMUM LIFT THICKNESS SHOULD BE NO MORE THAN 12 INCHES. FOR SMALLER, WALK-BEHIND COMPACTION EQUIPMENT, THE LIFT THICKNESS SHOULD BE 6 INCHES OR LESS. EACH LIFT SHOULD BE COMPACTED TO A DENSITY OF AT LEAST 95 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY. THE UPPER 12 INCHES OF FILL IN THE BUILDING FLOOR SLAB AREAS SHOULD BE COMPACTED UNTIL DENSITIES OF AT LEAST 95 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY ARE UNIFORMLY OBTAINED. SOIL MOISTURE CONTENT SHOULD BE ADJUSTED AS NEEDED TO FACILITATE PLACEMENT AND COMPACTION.

SOILS MEETING THE REQUIREMENTS FOR STRUCTURAL FILL AS DISCUSSED ABOVE ARE PREFERRED BENEATH FOUNDATION ELEMENTS. SOILS WITH MORE THAN 5% ORGANIC MATTER CANNOT BE USED AS STRUCTURAL FILL OR BACKFILL AND SHOULD BE USED IN LANDSCAPE AND OTHER NON-STRUCTURAL AREAS OR DISPOSED OFF-SITE IN ACCORDANCE WITH THE OWNER'S INSTRUCTIONS. ANY ENCOUNTERED CLAY SOILS ARE NOT SUITABLE AS FILL AND SHOULD BE DISPOSED OFF-SITE.



NO.	REVISIONS	DATE
1	ISSUED	7/12/23
2	REVISION	7/12/23
3	ISSUED	9/13/23
4	ISSUED	9/13/23
5	ISSUED	07/24/23
6	ISSUED	07/24/23

Kimley»Horn

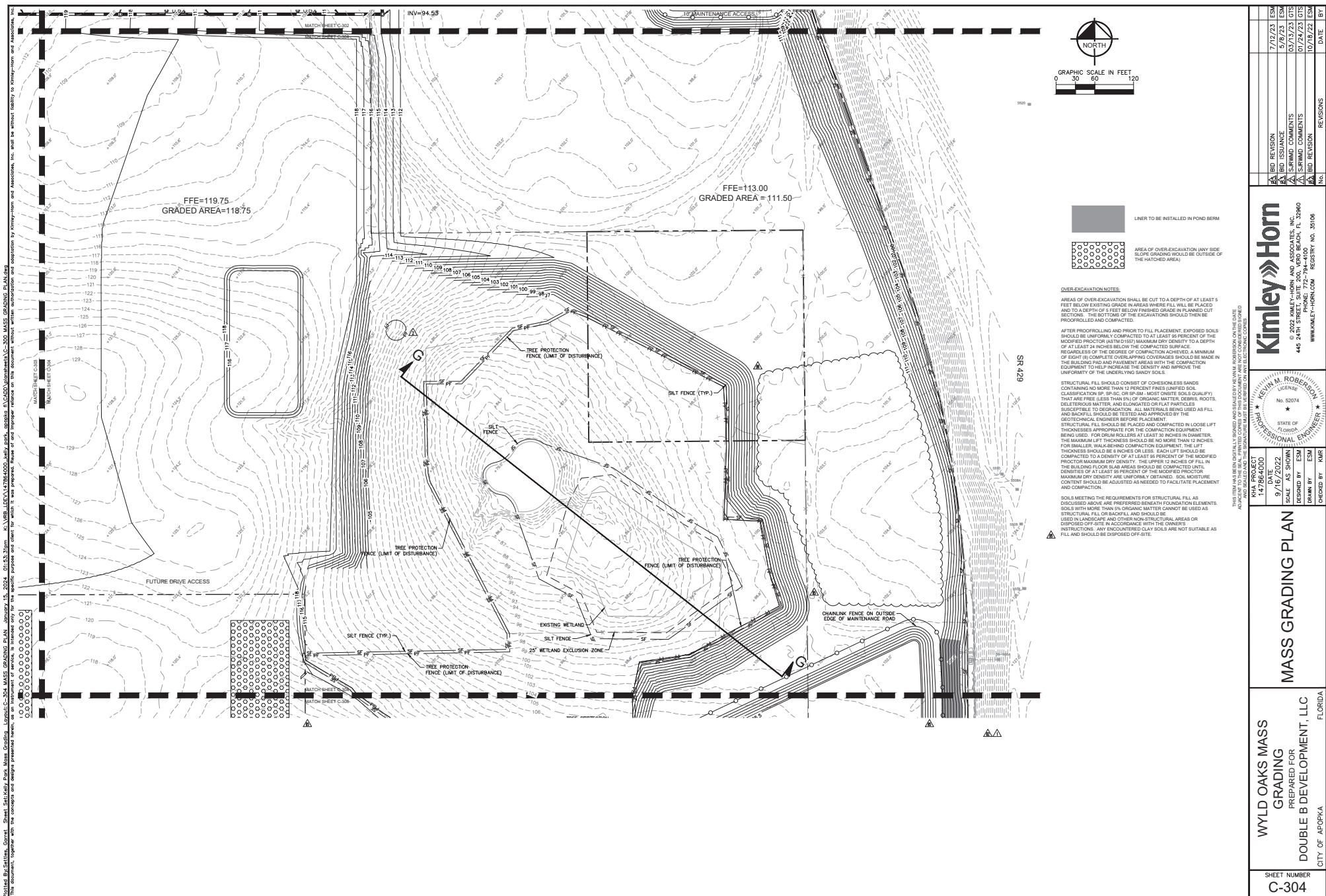
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440 24TH STREET, SUITE 200, VERO BEACH, FL 32960
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

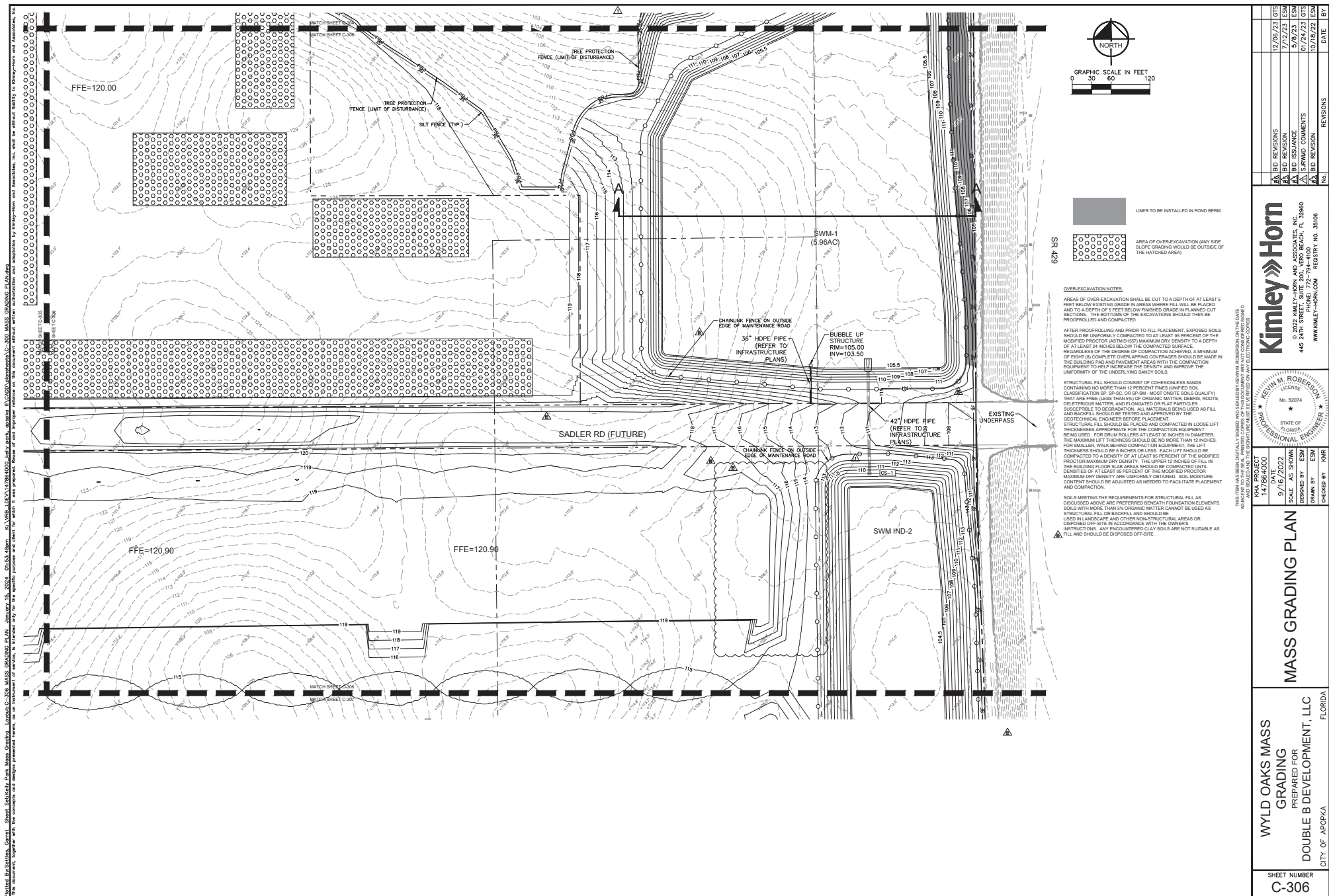
KEVIN M. ROBERTSON
No. 50574
STATE OF FLORIDA
PROFESSIONAL ENGINEER

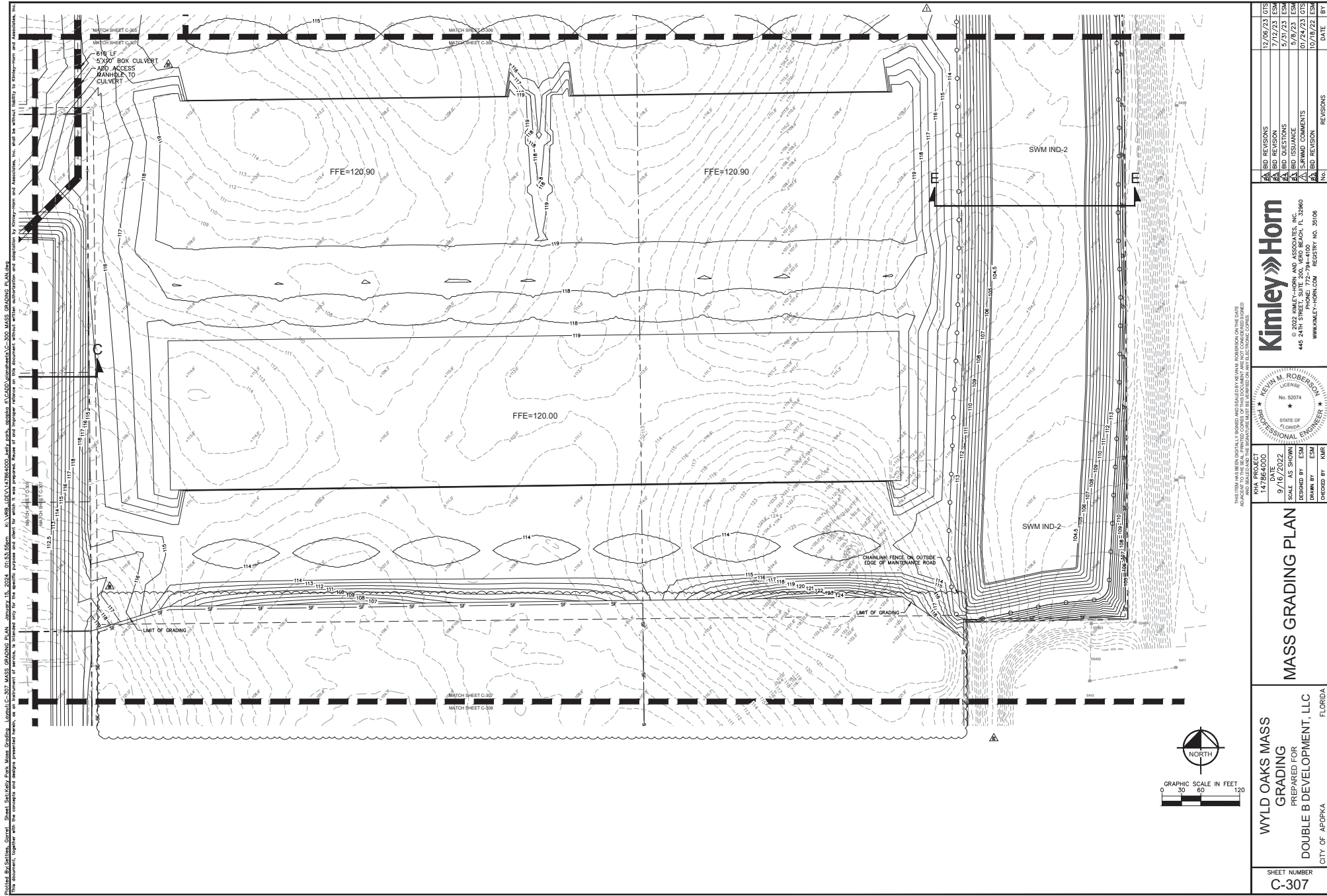
WYLD OAKS MASS GRADING
PREPARED FOR
DOUBLE B DEVELOPMENT, LLC
CITY OF APOPKA

MASS GRADING PLAN

C-303



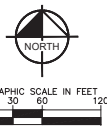


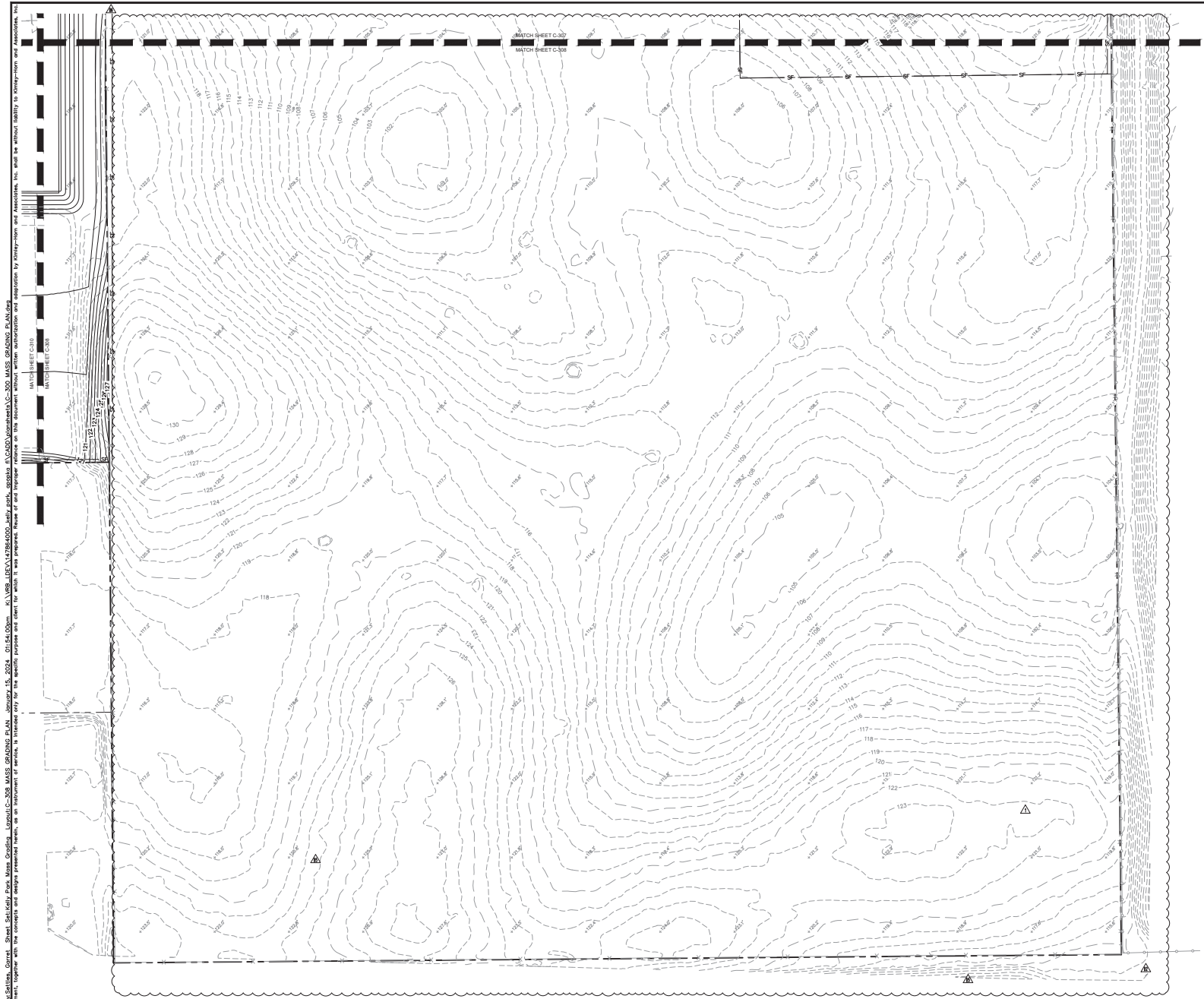


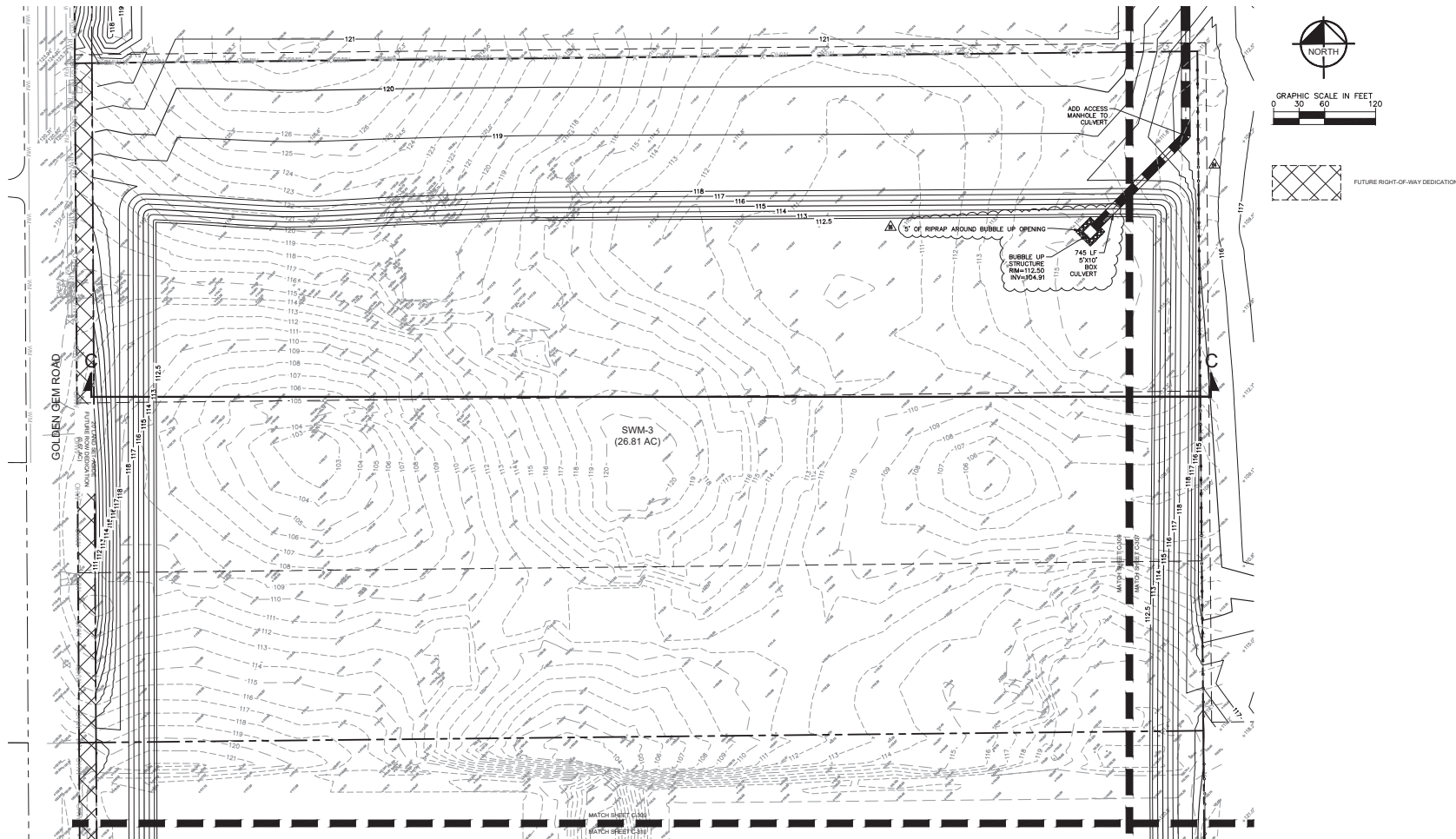
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THIS DRAWING HAS BEEN DIGITALLY SIGNED AND SEALED BY KEVIN M. ROBERTSON ON THE DATE 9/16/2022. THE SIGNATURE AND SEAL OF THE ENGINEER MUST BE REPRODUCED ON ANY ELECTRONIC COPIES OF THIS DRAWING.

WYLD OAKS MASS GRADING PREPARED FOR DOUBLE B DEVELOPMENT, LLC CITY OF APOPKA, FLORIDA		MASS GRADING PLAN SCALE: AS SHOWN DESIGNED BY: ESM DRAWN BY: ESM CHECKED BY: MRF		Kimley-Horn LICENSE No. 52574 STATE OF FLORIDA PROFESSIONAL ENGINEER		1/15/24
SHEET NUMBER C-307		REVISIONS		DATE		BY
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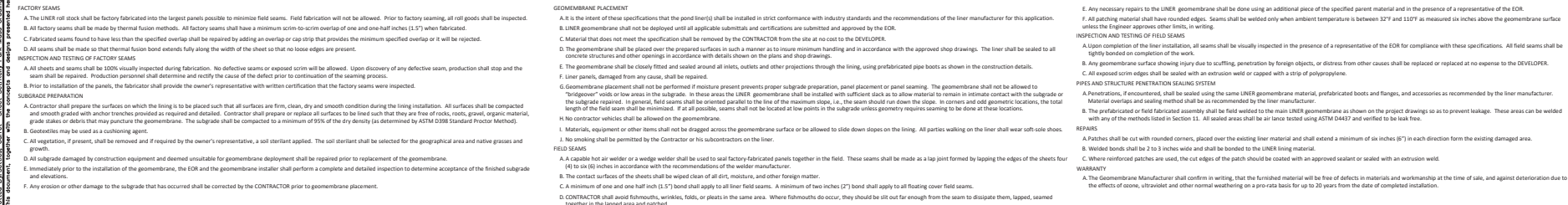


THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY KEVIN M. ROBERSON ON THE DATE
ADJUNCT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED
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MASS GRADING PLAN

Kimley»»Horn
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445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

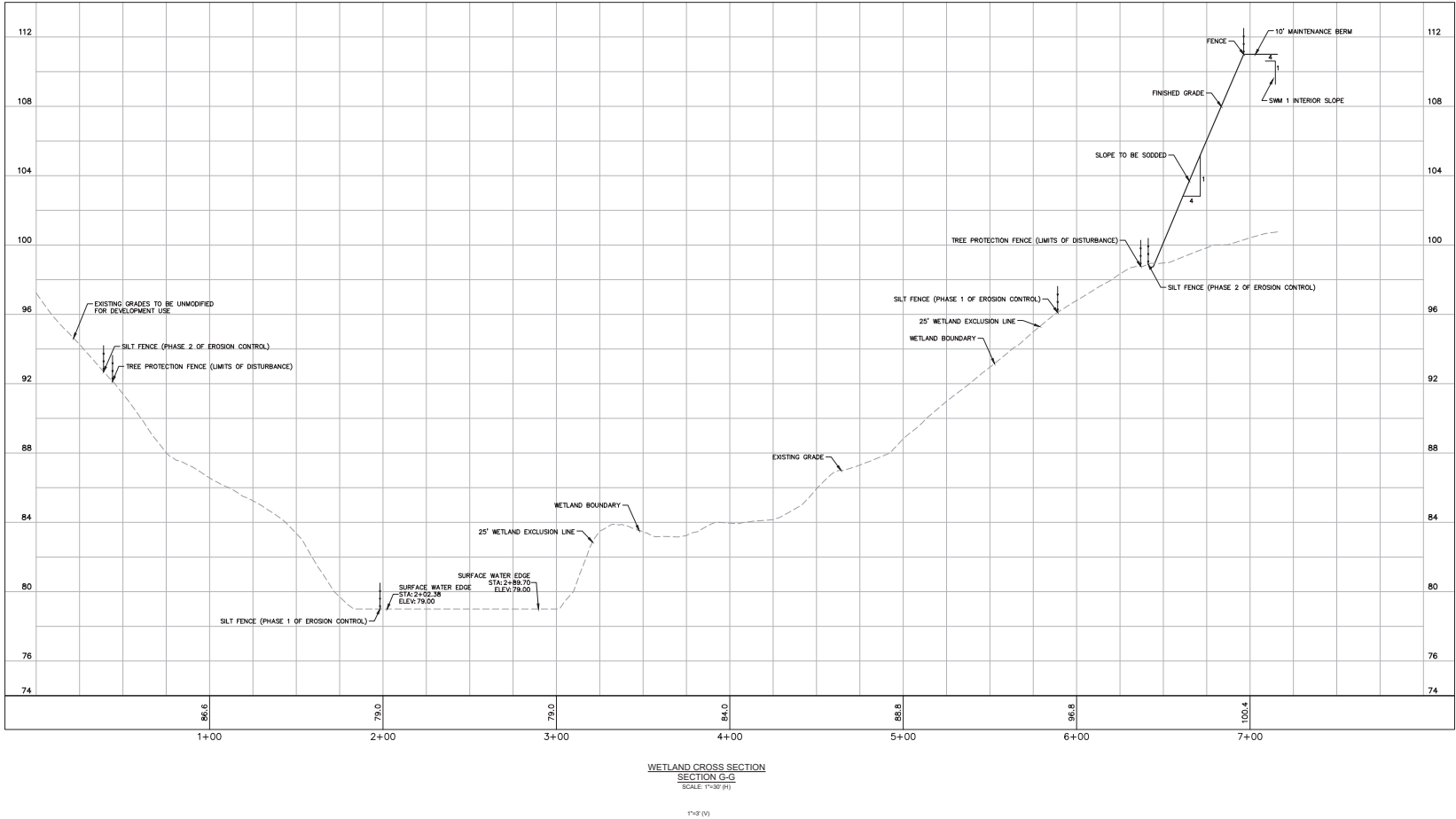
Plotted By: Settelles, Correl. Sheet: Setti/Kelly Park Mass Grading. Layout: C-309 MASS GRADING PLAN. January 15, 2024. 02:38:11pm. K:\WB\LOE\147864000\Jelly Park_L\gpcad\Workbooks\C-309 MASS GRADING PLAN.dwg



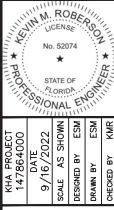
SHEET NUMBER		C-400		CITY OF APOPKA		FLORIDA		WYLD OAKS MASS GRADING PREPARED FOR DOUBLE B DEVELOPMENT, LLC		POND CROSS SECTIONS		KHA PROJECT 147864000 DATE 9/16/2022 SCALE AS SHOWN DESIGNED BY ESM DRAWN BY ESM CHECKED BY KMR				Kimley»Horn © 2022 KIMLEY-HORN AND ASSOCIATES, INC. 445 24TH STREET, SUITE 200, VERO BEACH, FL 33960 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106		A BID REVISIONS 12/06/23 GTS A BID REVISION 7/12/23 ESM A BID REVISION 7/12/23 ESM A BID ISSUANCE 5/9/23 ESM A SRMAD COMMENTS 03/12/23 GTS A SRMAD COMMENTS 01/24/23 GTS		No. REVISIONS DATE	

Printed on 10/16/2022, 10:00 AM. Project: WYLD OAKS MASS GRADING, PREPARED FOR DOUBLE B DEVELOPMENT, LLC. SHEET: C-401. SCALE: 1"=20' (V). DATE: 9/16/2022. DESIGNED BY: ESM. DRAWN BY: ESM. CHECKED BY: KMR. THIS DRAWING IS THE PROPERTY OF KIMLEY-HORN AND ASSOCIATES, INC. AND SHALL BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. ANY REUSE OR MODIFICATION OF THIS DRAWING WITHOUT THE WRITTEN CONSENT OF KIMLEY-HORN AND ASSOCIATES, INC. IS PROHIBITED.

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WYLD OAKS MASS
GRADING
PREPARED FOR
DOUBLE B DEVELOPMENT, LLC
CITY OF APOPKA
FLORIDA

WYLD OAKS MASS
GRADING
PREPARED FOR
DOUBLE B DEVELOPMENT, LLC
CITY OF APOPKA
FLORIDA

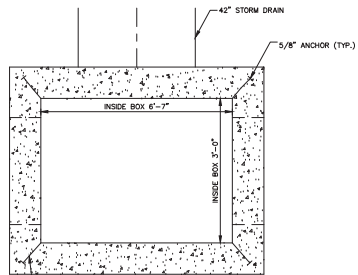
SHEET NUMBER
C-401

NO.	REVISIONS	DATE	BY
1	ISSUANCE	9/16/23	ESM
2	FOR COMMENTS	03/13/23	OTS

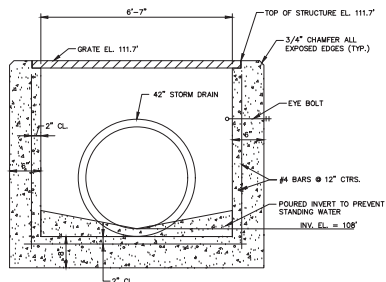
Kimley»Horn
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440 24TH STREET, SUITE 200, VERO BEACH, FL 33460
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

1/15/24

NOTED: SEE SHEET, GENERAL, SHEET 1/15/24, FOR THE LOCATION OF THE CONTROL STRUCTURE. THE CONTROL STRUCTURE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.



PLAN VIEW



SECTION

CONTROL STRUCTURE 1 (FDOT TYPE "H" INLET)

NTS

NOTE:
ELEVATIONS STATED HEREON ARE BASED ON THE
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

WYLD OAKS MASS GRADING PREPARED FOR DOUBLE B DEVELOPMENT, LLC CITY OF APOPKA FLORIDA	SHEET NUMBER C-450	KHA PROJECT 147864000	DATE 9/16/2022	SCALE AS SHOWN	DESIGNED BY ESM	DRAWN BY ESM	CHECKED BY KMR	DRAINAGE STRUCTURE DETAILS	KEVIN M. ROBERTSON LICENSE No. 52574 STATE OF FLORIDA PROFESSIONAL ENGINEER	Kimley»Horn © 2022 KIMLEY-HORN AND ASSOCIATES, INC. 440 24TH STREET, SUITE 200, VERO BEACH, FL 32960 PHONE 772-794-4100 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106	REVISIONS	No.	DATE	BY

