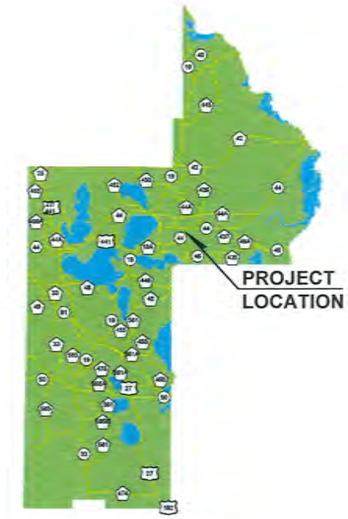
LAKE COUNTY
FLORIDA

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

# EUSTIS ELEMENTARY SCHOOL (LAP)
# ABRAMS ROAD SIDEWALK

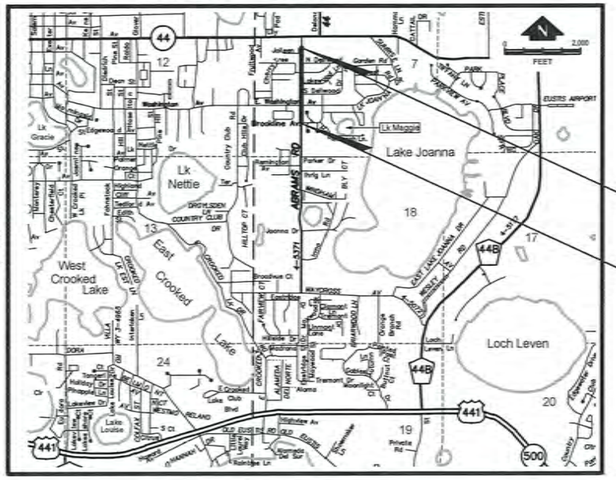
**FPN: 432954-1-58-01**
**FAN: 8886-703-A**
**LAKE COUNTY PROJECT NO. 10000CA**
**APRIL, 2015**




VICINITY MAP
SEC 7, TWP. 19 S, RNG. 27 E

R 26 E R 27 E

T 19 S




END PROJECT
STA 30+37.30

BEGIN PROJECT
STA 8+62.50

LOCATION MAP

## SHEET INDEX


| NO. | DESCRIPTION |
|---|---|
| 1 | COVER SHEET |
| 2 | AERIAL PHOTO MAP |
| 3-6 | CONSTRUCTION PLANS |
| 7 | DETAIL SHEET |



LAKE COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
437 ARDICE AVENUE
EUSTIS, FLORIDA 32726
PHONE: (352) 438-9040



ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.


THE ENGINEER OF RECORD CERTIFIES THAT THIS DESIGN IS IN SUBSTANTIAL CONFORMANCE WITH THE STANDARDS ESTABLISHED PURSUANT TO THE FLORIDA DEPARTMENT OF TRANSPORTATION "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS" COMMONLY KNOWN AS THE "FLORIDA GREENBOOK".

PROJECT LENGTH IS BASED ON BL OF CONSTRUCTION

LENGTH OF PROJECT

| | LINEAR FEET | MILES |
|---|---|---|
| ROADWAY | 2,174.80 | 0.412 |
| BRIDGES | 0.00 | 0.000 |
| NET LENGTH OF PROJECT | 2,174.80 | 0.412 |
| EXCEPTIONS | 0.00 | 0.000 |
| GROSS LENGTH OF PROJECT | 2,174.80 | 0.412 |

LAKE COUNTY PROJECT MANAGER: WILLIAM K. WHITE, P.E.

KEY SHEET REVISIONS

| DATE | BY | DESCRIPTION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

WILLIAM K. WHITE
LICENSE
No. 56993
5-15-15
STATE OF FLORIDA
PROFESSIONAL ENGINEER

WILLIAM K. WHITE, P.E.
P.E. NO. 56993
ENGINEER OF RECORD:

Know what's **below.**
**Call before you dig.**
811
SUNSHINE STATE ONE CALL OF FLORIDA

TRACKING NO. S/W10002

O:\PWCADFiles\2010\10000_ABRAMS_RD_SIDEWALK_KH 4/24/2015

## NOTE:

ALL MATERIALS, INSTALLATION, TESTING, AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF LAKE COUNTY, FLORIDA AND THE F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION AND F.D.O.T. DESIGN STANDARDS, LATEST EDITION WITH THE EXCEPTION OF TRAFFIC MARKINGS. ALL TRAFFIC STRIPING AND MARKINGS SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF LAKE COUNTY, THE F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION F.D.O.T. DESIGN STANDARDS, LATEST EDITION. WHERE THE SPECIFICATIONS CONFLICT, THE MAXIMUM REQUIREMENTS OF EITHER SPECIFICATION SHALL APPLY, UNLESS OTHERWISE DIRECTED BY THE DIRECTOR OF ENGINEERING.

## TRAFFIC CONTROLS

A. EXISTING STREETS AND DRIVEWAYS SHALL BE MAINTAINED TO LOCAL TRAFFIC AND PROPERTY OWNERS.

B. CONTRACTOR SHALL SUBMIT DETAILED MAINTENANCE OF TRAFFIC PLANS FOR REVIEW AND APPROVAL. ALL ROADS SHALL BE OPEN TO TRAFFIC WITH NO PERMANENT LANE CLOSURES ALLOWED. CONTRACTOR SHALL CONFORM TO THE LATEST EDITIONS OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS, INDEX 600 – 660 AS APPLICABLE.

C. ANY TEMPORARY ROAD CLOSURE REQUIRES AUTHORIZATION REQUEST MADE TO LAKE COUNTY ROAD OPERATIONS AT (352) 742–0478 AND WITH AT LEAST THREE (3) DAYS NOTICE PRIOR TO CLOSURE. CONTRACTOR MUST SUPPLY A DETOUR PLAN WHEN REQUESTING CLOSURE. NO CLOSURE SHALL TAKE PLACE WITHOUT APPROVAL OF THE DETOUR PLAN. CONTRACTOR SHALL SUPPLY ALL SIGNAGE ASSOCIATED WITH CLOSURE AND DETOUR.

WILLIAM K. WHITE
LICENSE
No. 56993
4-28-15
STATE OF FLORIDA
PROFESSIONAL ENGINEER

| REVISION: | DATE | SECTION | TOWNSHIP | RANGE |
|---|---|---|---|---|
| | | 7 | 19 S | 27 E |
| | | DESIGNED: WKW | DATE: APRIL 2015 | |
| | | DRAWN: KGN | DATE: APRIL 2015 | |
| | | APPROVED: WKW | DATE: APRIL 2015 | |

LAKE COUNTY
FLORIDA

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
437 ARDICE AVE.
EUSTIS, FLORIDA 32726

EUSTIS ELEMENTARY SCHOOL (LAP)
ABRAMS ROAD SIDEWALK

AERIAL PHOTO MAP

WILLIAM K. WHITE, P.E.
P.E. NO. 56993
ENGINEER OF RECORD:

CAD FILE
10000CA

SHEET #
2

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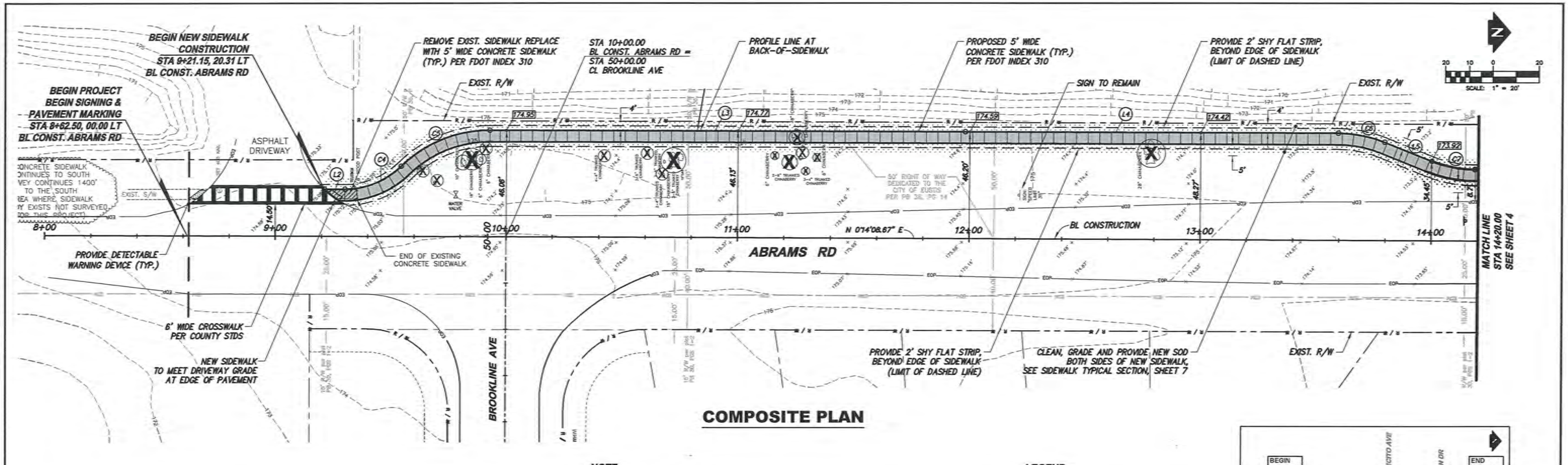



## COMPOSITE PLAN

| SIDEWALK CURVE DATA (BACK-OF-SIDEWALK) | | | | | |
|---|---|---|---|---|---|
| CURVE # | LENGTH (FT.) | RADIUS (FT.) | DELTA | DEGREE OF CURVE | TANGENT (FT.) |
| C4 | 26.86 | 35.00 | 43° 58' 32" | 163° 42' 28" | 14.13 |
| C5 | 42.57 | 55.00 | 44° 20' 53" | 104° 10' 27" | 22.42 |
| C6 | 20.68 | 55.00 | 21° 32' 38" | 104° 10' 27" | 10.46 |
| C7 | 18.77 | 50.00 | 21° 30' 14" | 114° 35' 30" | 9.49 |

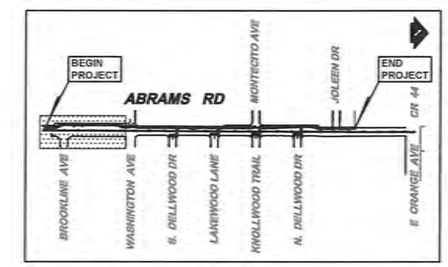
| SIDEWALK LINE DATA (BACK-OF-SIDEWALK) | | |
|---|---|---|
| LINE # | LENGTH (FT) | DIRECTION |
| L2 | 8.91 | N0° 11' 44.85"E |
| L3 | 205.36 | N0° 11' 44.85"E |
| L4 | 161.41 | N0° 11' 44.85"E |
| L5 | 22.06 | N21° 44' 22.94"E |

**NOTE:**

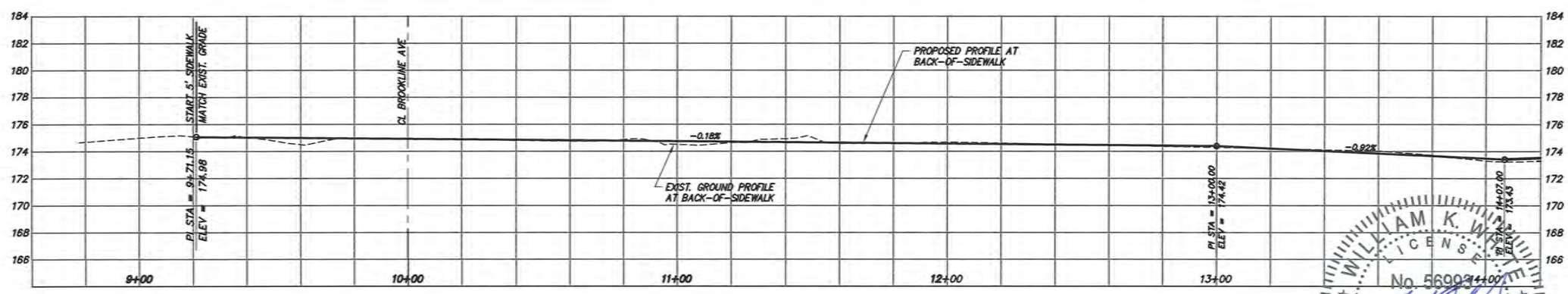
THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE'S WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO THE SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR GAS LINES OR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.

**LEGEND**

- PROPOSED 4" THK SIDEWALK
- CLEAN, GRADE AND NEW SOD
- OAK — TREE TO BE REMOVED




KEY MAP




## PROFILE

HORI. SCALE 1" = 20'
VERT. SCALE 1" = 4'

WILLIAM K. WHITE LICENSED No. 56993 STATE OF FLORIDA PROFESSIONAL ENGINEER

| REVISION: | DATE |
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| SECTION | TOWNSHIP | RANGE |
|---|---|---|
| 7 | 19 S | 27 E |

| | | | |
|---|---|---|---|
| DESIGNED: | WKW | DATE: | APRIL 2015 |
| DRAWN: | KGN | DATE: | APRIL 2015 |
| APPROVED: | WKW | DATE: | APRIL 2015 |

LAKE COUNTY FLORIDA

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
437 ARDICE AVE.
EUSTIS, FLORIDA 32726

EUSTIS ELEMENTARY SCHOOL (LAP)
ABRAMS ROAD SIDEWALK
CONSTRUCTION PLAN

WILLIAM K. WHITE, P.E.
P.E. NO. 56993
ENGINEER OF RECORD:

CAD FILE 10000CA

SHEET # 3

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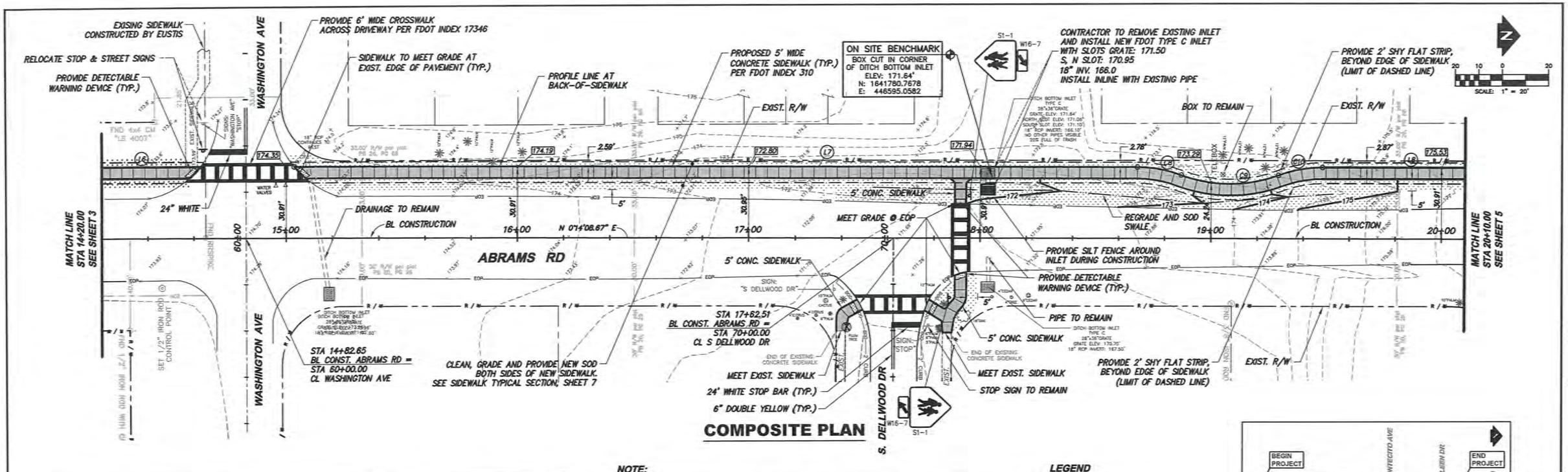


## COMPOSITE PLAN

| SIDEWALK CURVE DATA (BACK-OF-SIDEWALK) | | | | | |
|---|---|---|---|---|---|
| CURVE # | LENGTH (FT.) | RADIUS (FT.) | DELTA | DEGREE OF CURVE | TANGENT (FT.) |
| C8 | 19.60 | 55.00 | 20° 25' 03" | 104° 10' 27" | 9.90 |
| C9 | 42.76 | 60.00 | 40° 50' 06" | 95° 29' 35" | 22.33 |
| C10 | 19.60 | 55.00 | 20° 25' 03" | 104° 10' 27" | 9.90 |

| SIDEWALK LINE DATA (BACK-OF-SIDEWALK) | | |
|---|---|---|
| LINE # | LENGTH (FT) | DIRECTION |
| L6 | 85.03 | N0° 14' 08.67"E |
| L7 | 364.45 | N0° 14' 08.67"E |
| L8 | 422.09 | N0° 14' 08.67"E |

**NOTE:**

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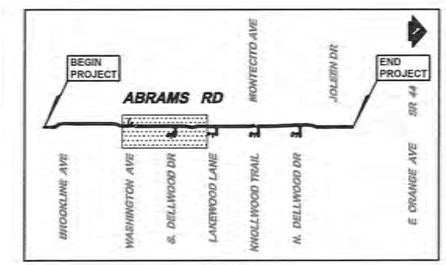
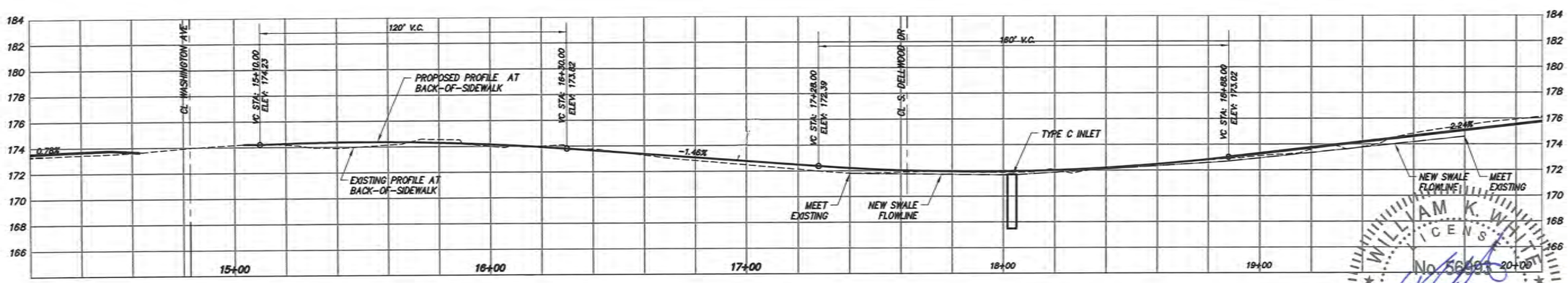
**LEGEND**

- PROPOSED 4" THK SIDEWALK
- CLEAN, GRADE AND NEW SOD
- OAK — TREE TO BE REMOVED




**KEY MAP**




## PROFILE

HORI. SCALE 1" = 20'
VERT. SCALE 1" = 4'

WILLIAM K. WHITE LICENSED No. 56993 PROFESSIONAL ENGINEER STATE OF FLORIDA
4-29-15

| REVISION: | DATE |
|---|---|
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| SECTION | TOWNSHIP | RANGE |
|---|---|---|
| 7 | 19 S | 27 E |

| | | | |
|---|---|---|---|
| DESIGNED: | WKW | DATE: | APRIL 2015 |
| DRAWN: | KGN | DATE: | APRIL 2015 |
| APPROVED: | WKW | DATE: | APRIL 2015 |

LAKE COUNTY FLORIDA

**DEPARTMENT OF PUBLIC WORKS**
**ENGINEERING DIVISION**
437 ARDICE AVE.
EUSTIS, FLORIDA 32726

**EUSTIS ELEMENTARY SCHOOL (LAP)**
**ABRAMS ROAD SIDEWALK**
**CONSTRUCTION PLAN**

WILLIAM K. WHITE, P.E.
P.E. NO. 56993.
ENGINEER OF RECORD:

CAD FILE 10000CA

SHEET # 4

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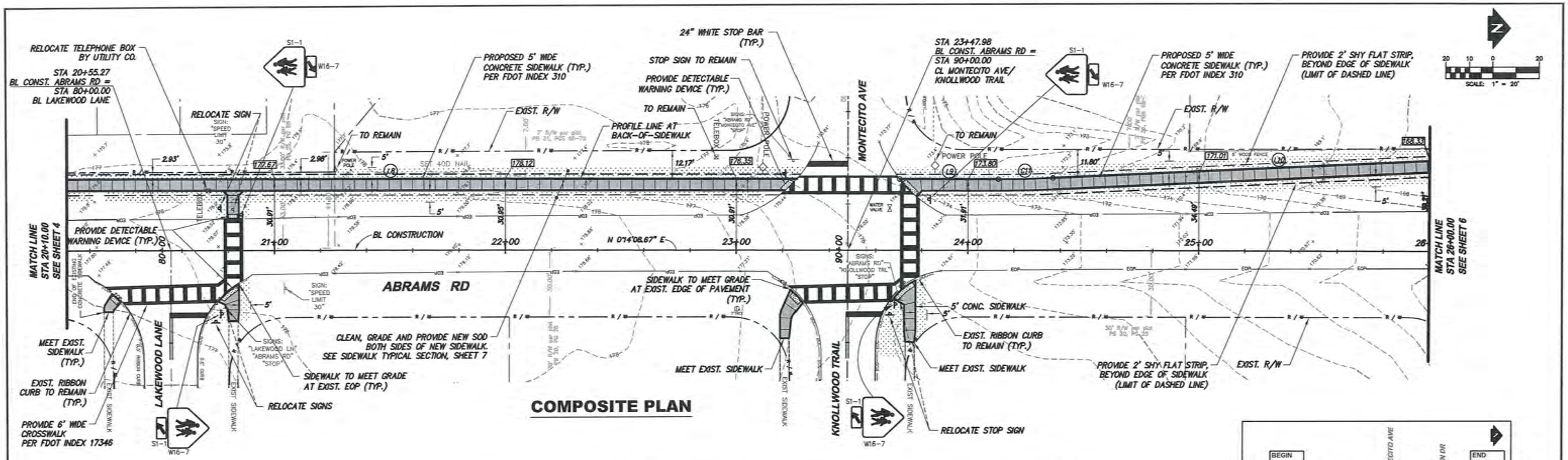


## COMPOSITE PLAN

| SIDEWALK CURVE DATA (BACK-OF-SIDEWALK) | | | | | |
|---|---|---|---|---|---|
| CURVE # | LENGTH (FT.) | RADIUS (FT.) | DELTA | DEGREE OF CURVE | TANGENT (FT.) |
| C11 | 23.65 | 500.00 | 2° 42' 38" | 11° 27' 33" | 11.83 |

| SIDEWALK LINE DATA (BACK-OF-SIDEWALK) | | |
|---|---|---|
| LINE # | LENGTH (FT) | DIRECTION |
| L8 | 422.09 | N0° 14' 08.67"E |
| L9 | 42.69 | N0° 14' 08.67"E |
| L10 | 179.81 | N2° 28' 29.04"W |

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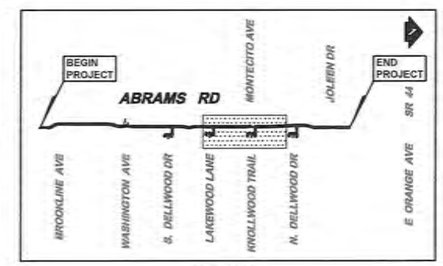
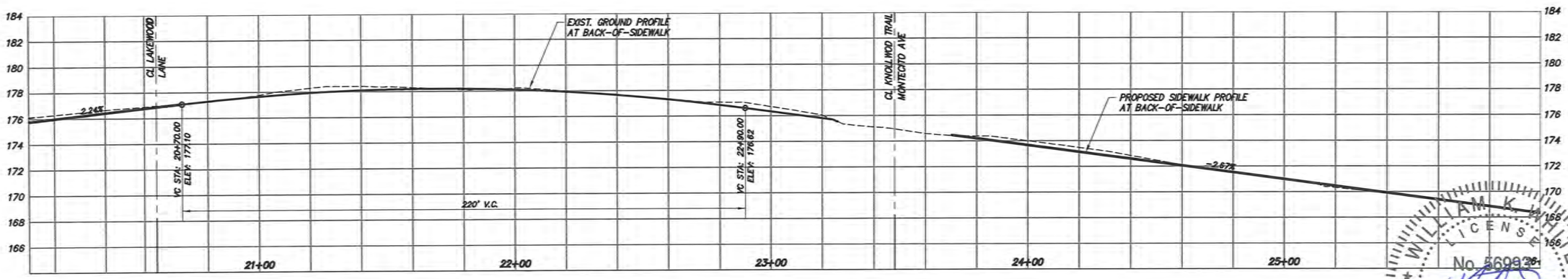
**LEGEND**

PROPOSED 4" THK SIDEWALK

CLEAN, GRADE AND NEW SOD




KEY MAP




## PROFILE

HORI. SCALE 1" = 20'
VERT. SCALE 1" = 4'

WILLIAM K. WHITE LICENSE No. 56993 STATE OF FLORIDA PROFESSIONAL ENGINEER 4-29-15

| REVISION: | DATE |
|---|---|
| | |

| SECTION | TOWNSHIP | RANGE |
|---|---|---|
| 7 | 19 S | 27 E |

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LAKE COUNTY FLORIDA

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
437 ARDICE AVE.
EUSTIS, FLORIDA 32726

EUSTIS ELEMENTARY SCHOOL (LAP)
ABRAMS ROAD SIDEWALK
CONSTRUCTION PLAN

WILLIAM K. WHITE, P.E.
P.E. NO. 56993
ENGINEER OF RECORD:

CAD FILE 10000CA

SHEET # 5

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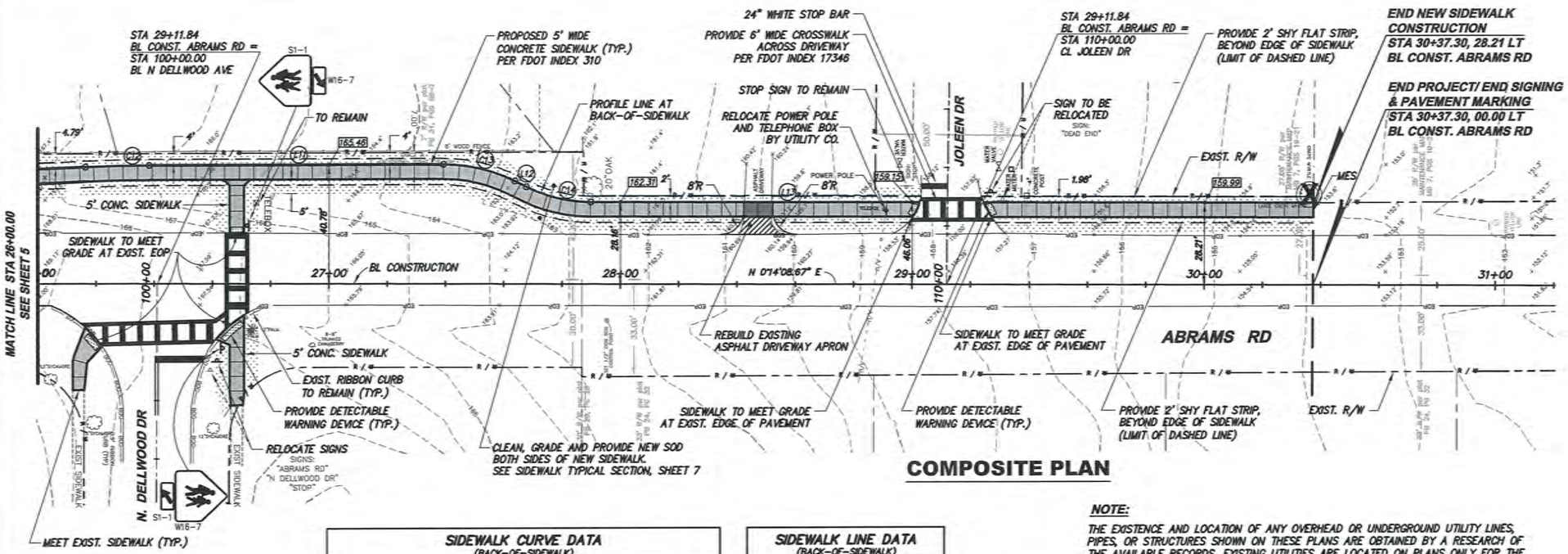
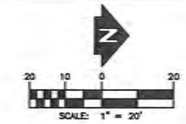
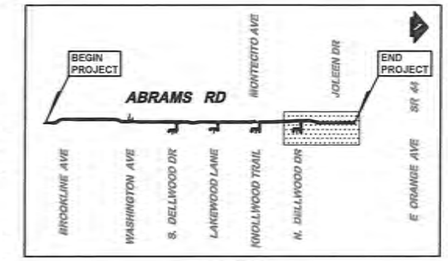



## COMPOSITE PLAN




KEY MAP

| SIDEWALK CURVE DATA (BACK-OF-SIDEWALK) | | | | | |
|---|---|---|---|---|---|
| CURVE # | LENGTH (FT.) | RADIUS (FT.) | DELTA | DEGREE OF CURVE | TANGENT (FT.) |
| C12 | 21.89 | 505.00 | 2° 29' 01" | 11° 20' 45" | 10.95 |
| C13 | 25.44 | 55.00 | 26° 29' 58" | 104° 10' 27" | 12.95 |
| C14 | 21.54 | 50.00 | 24° 40' 47" | 114° 35' 30" | 10.94 |

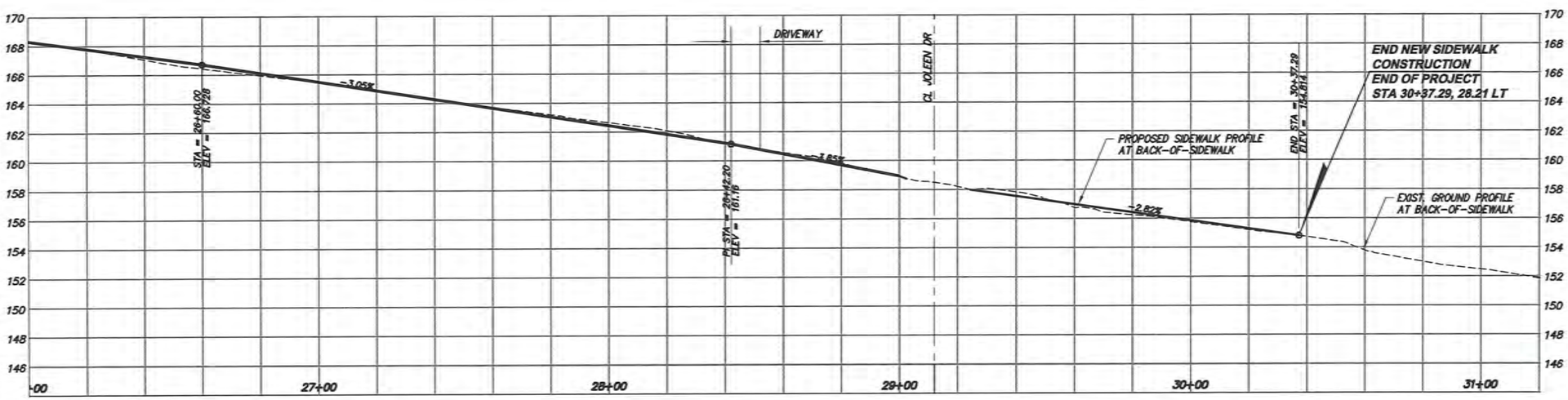
| SIDEWALK LINE DATA (BACK-OF-SIDEWALK) | | |
|---|---|---|
| LINE # | LENGTH (FT) | DIRECTION |
| L11 | 101.02 | N0° 00' 31.85"E |
| L12 | 4.41 | N26° 30' 28.05"E |
| L13 | 247.50 | N0° 13' 04.54"E |

**NOTE:**

THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE'S WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO THE SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR GAS LINES OR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.

**LEGEND**

- PROPOSED 4" THK SIDEWALK
- CLEAN, GRADE AND NEW SOD
- TREE TO BE REMOVED
- PROPOSED 6" THK SIDEWALK
- PAVEMENT REMOVAL




## PROFILE

HORI. SCALE 1" = 20'
VERT. SCALE 1" = 4'

WILLIAM K. WHITE
LICENSE
No. 56993
4-28-15
STATE OF FLORIDA
PROFESSIONAL ENGINEER

| REVISION: | DATE |
|---|---|
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| | |
| | |
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| SECTION | TOWNSHIP | RANGE |
|---|---|---|
| 7 | 19 S | 27 E |

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| DESIGNED: | WKW | DATE: | APRIL 2015 |
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LAKE COUNTY
FLORIDA

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
437 ARDICE AVE.
EUSTIS, FLORIDA 32726

EUSTIS ELEMENTARY SCHOOL (LAP)
ABRAMS ROAD SIDEWALK

CONSTRUCTION PLAN

WILLIAM K. WHITE, P.E.
P.E. NO. 56993
ENGINEER OF RECORD:

CAD FILE
10000CA

SHEET #
6

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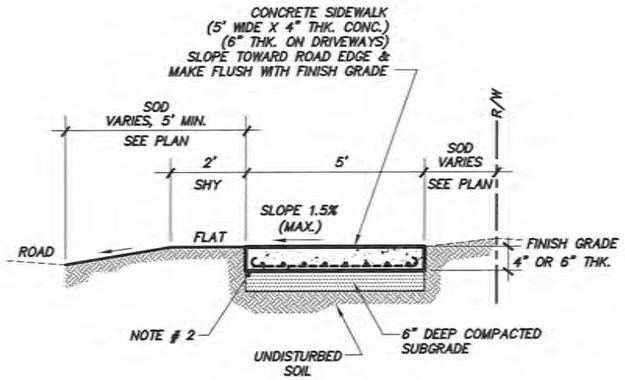
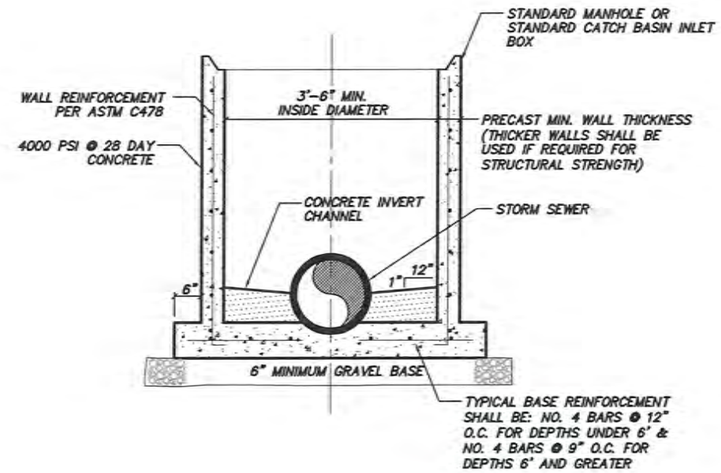



NOTE:

1. SIDEWALK CONSTRUCTION PER FDOT INDEX 310
2. PROVIDE STEEL REINFORCEMENTS AT SIDEWALKS CROSSING DRIVEWAYS PER FDOT REQUIREMENTS
3. SIDEWALK SHALL BE CONSTRUCTED WITH 3000 PSI CONCRETE

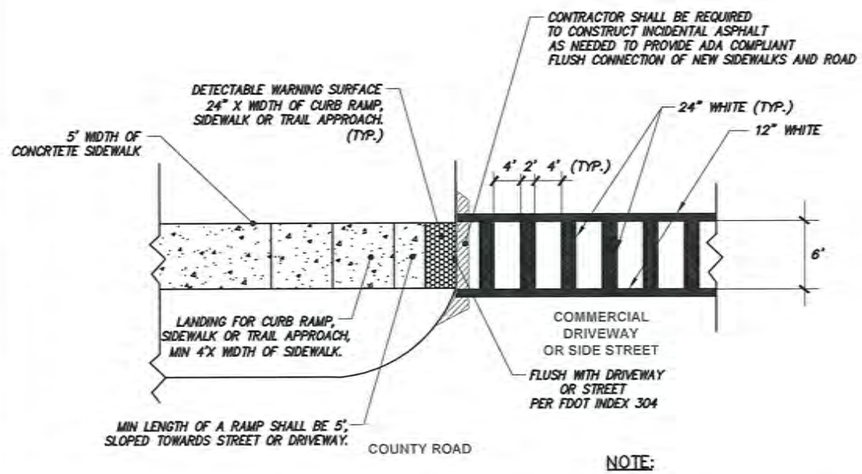
## SIDEWALK TYPICAL SECTION

NOT TO SCALE




## SECTION - STORM STRUCTURE

NOT TO SCALE

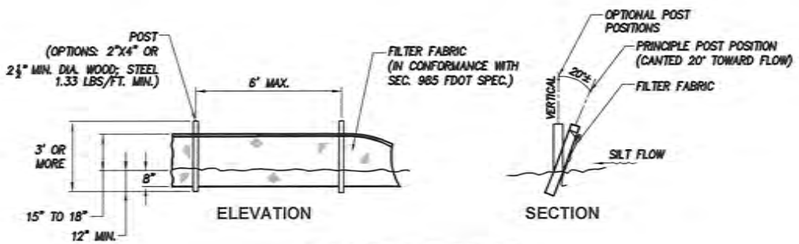



## SIDEWALK RAMP AND CROSSWALK DETAIL

NOT TO SCALE

NOTE:

1. 4" 3,000 PSI CONCRETE SIDEWALK AND TRAILS INTERSECTING ROADWAYS, COMMERCIAL DRIVEWAYS, AND DRIVEWAYS OF 24 FEET OR GREATER IN WIDTH SHALL HAVE CONCRETE RAMPS CONSTRUCTED PER FDOT DESIGN STANDARDS 304 & 310.
2. ALL SIDEWALK AND TRAIL APPROACHES SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTENDED THE FULL WIDTH OF THE APPROACH AND TWENTY FOUR (24) INCHES IN THE DIRECTION OF TRAVEL.
3. ALL DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT SPECIFICATION 527, FDOT DESIGN STANDARDS 304, UNITED STATES ACCESS BOARD/ADA SPECIFICATIONS, AND BE INSTALLED SUCH THAT THE EDGE OF THE DETECTABLE WARNING SURFACE IS FLUSH WITH THE FINISHED GRADE OF THE APPROACH SURFACE.
4. DETECTABLE WARNING SURFACES WITHIN COUNTY RIGHT-OF-WAY SHALL BE EITHER CAST-IN-PLACE OR LIQUID APPLIED. THE SUPPLIERS FOR THESE TWO TYPES OF DETECTABLE WARNING MATS MUST BE APPROVED SUPPLIERS ON THE MOST RECENT FDOT APPROVED PRODUCT LIST (APL) SPECIFICATION 527 DETECTABLE WARNINGS ON WALKABLE SURFACES.




TYPE III SILT FENCE

TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS.

NOTE: SPACING FOR TYPE III SILT FENCE IN ACCORDANCE WITH F.D.O.T. INDEX 102

## SILT FENCE APPLICATIONS

NOT TO SCALE

WILLIAM K. WHITE
LICENSE
No. 56993
STATE OF FLORIDA
PROFESSIONAL ENGINEER
9-28-15

| REVISION: | DATE | SECTION | TOWNSHIP | RANGE |
|---|---|---|---|---|
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|---|---|---|---|
| DESIGNED: | WKW | DATE: | APRIL 2015 |
| DRAWN: | KGN | DATE: | APRIL 2015 |
| APPROVED: | WKW | DATE: | APRIL 2015 |

LAKE COUNTY
FLORIDA

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
437 ARDICE AVE.
EUSTIS, FLORIDA 32726

EUSTIS ELEMENTARY SCHOOL (LAP)
ABRAMS ROAD SIDEWALK

DETAIL SHEET

WILLIAM K. WHITE, P.E.
P.E. NO. 56993
ENGINEER OF RECORD:

CAD FILE
10000CA

SHEET #
7

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