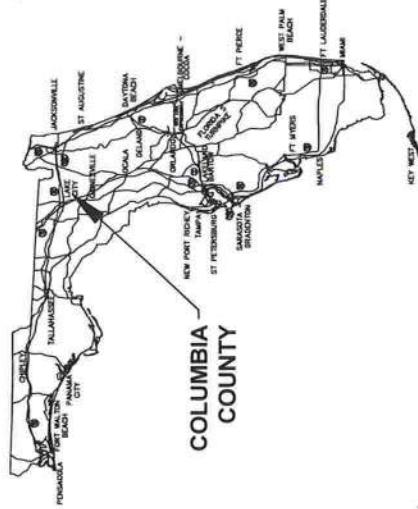


| | |
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| SEARCHED | INDEXED |
| SERIALIZED | FILED |
| SEARCHED | INDEXED |
| SERIALIZED | FILED |
| SERIALIZED | FILED |

| | |
|------------|---------|
| SEARCHED | INDEXED |
| SERIALIZED | FILED |
| SEARCHED | INDEXED |
| SERIALIZED | FILED |
| SERIALIZED | FILED |

**CONSTRUCTION PLANS
FOR
CAMBRIDGE PREP ACADEMY**

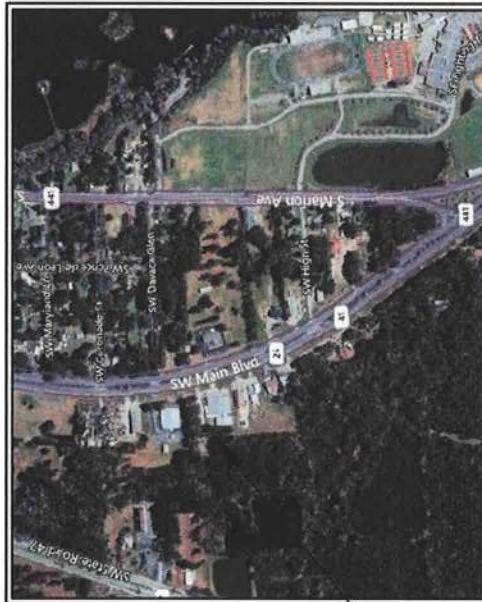
| Sheet List Table | |
|------------------|------------------------------------|
| Sheet Number | Sheet Title |
| G010 | COVER SHEET |
| C010 | GENERAL NOTES |
| C020 | EROSION CONTROL PLAN |
| C030 | EXISTING CONDITIONS |
| C040 | OVERALL DEVELOPMENT PLAN |
| C100 | GEOMETRIC PLAN |
| C200 | PAVING, GRADING & DRAINAGE PLAN |
| C201 | PAVING, GRADING & DRAINAGE DETAILS |
| C300 | STORMWATER MANAGEMENT PLAN |
| C400 | UTILITY PLANS |
| C401 | UTILITY DETAILS |
| C402 | PIPE RESTRAINT SCHEDULE |
| C403 | GRINDER PUMP LIFT STATION |
| C500 | FOOT DRIVEWAY CONNECTION |
| C600 | LIFE SAFETY PLAN |



VICINITY MAP

COLUMBIA COUNTY, FL

SECTION 07, TOWNSHIP 4S, RANGE 17E



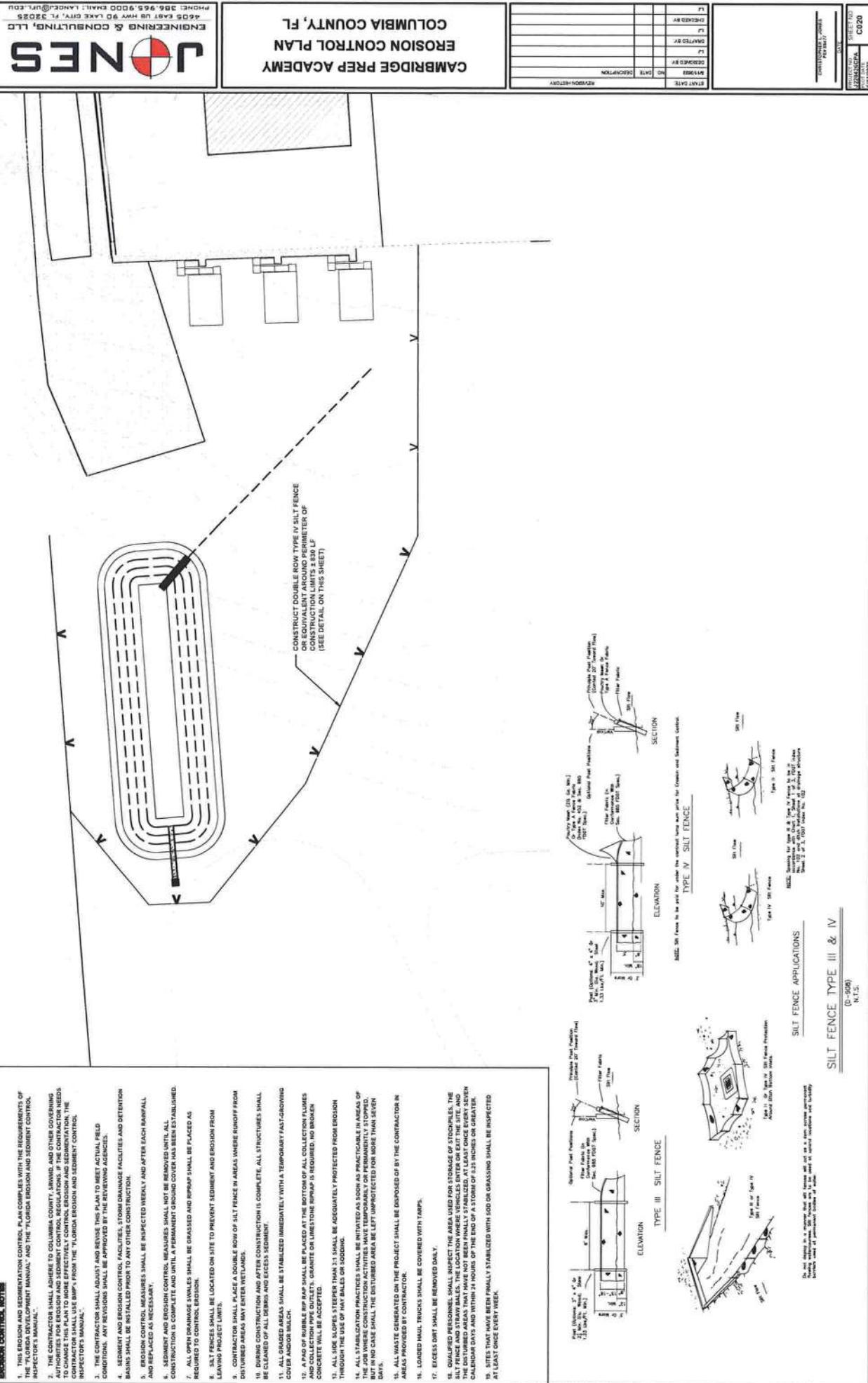
PROJECT LOCATION

PLANS PREPARED FOR:
CAMBRIDGE PREP ACADEMY
2658 SW MAIN BLVD
LAKE CITY, FL, 32025
(386) 365-0837
JACKIEBRITT@MSN.COM

**PERMIT DOCUMENTS
NOT FOR CONSTRUCTION**

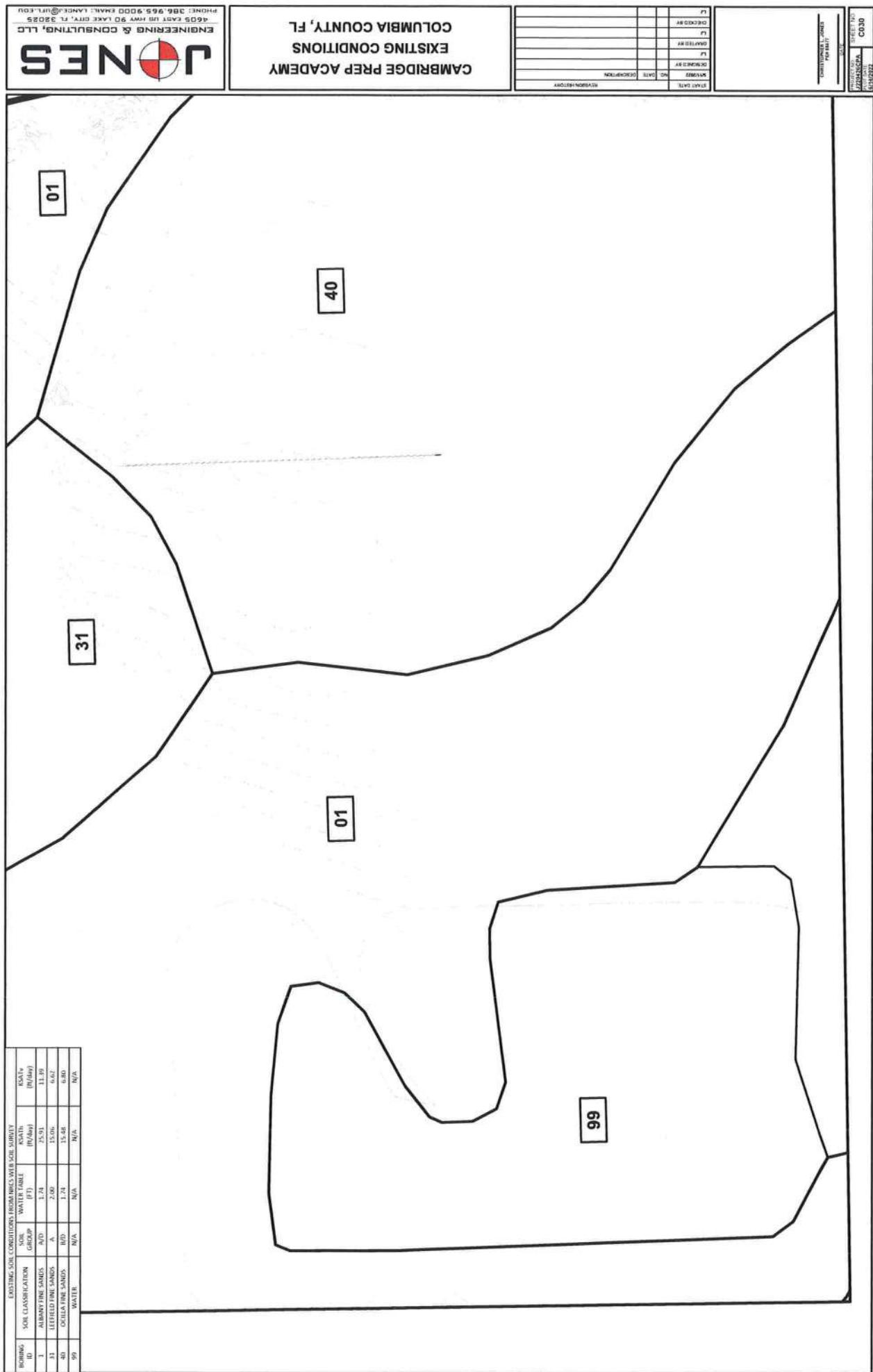
COLUMBIA COUNTY, FL
EROSION CONTROL PLAN
CAMBRIDGE PREP ACADEMY

STREET NO. C020
PHONE 386.965.9000 FAX 386.965.9025

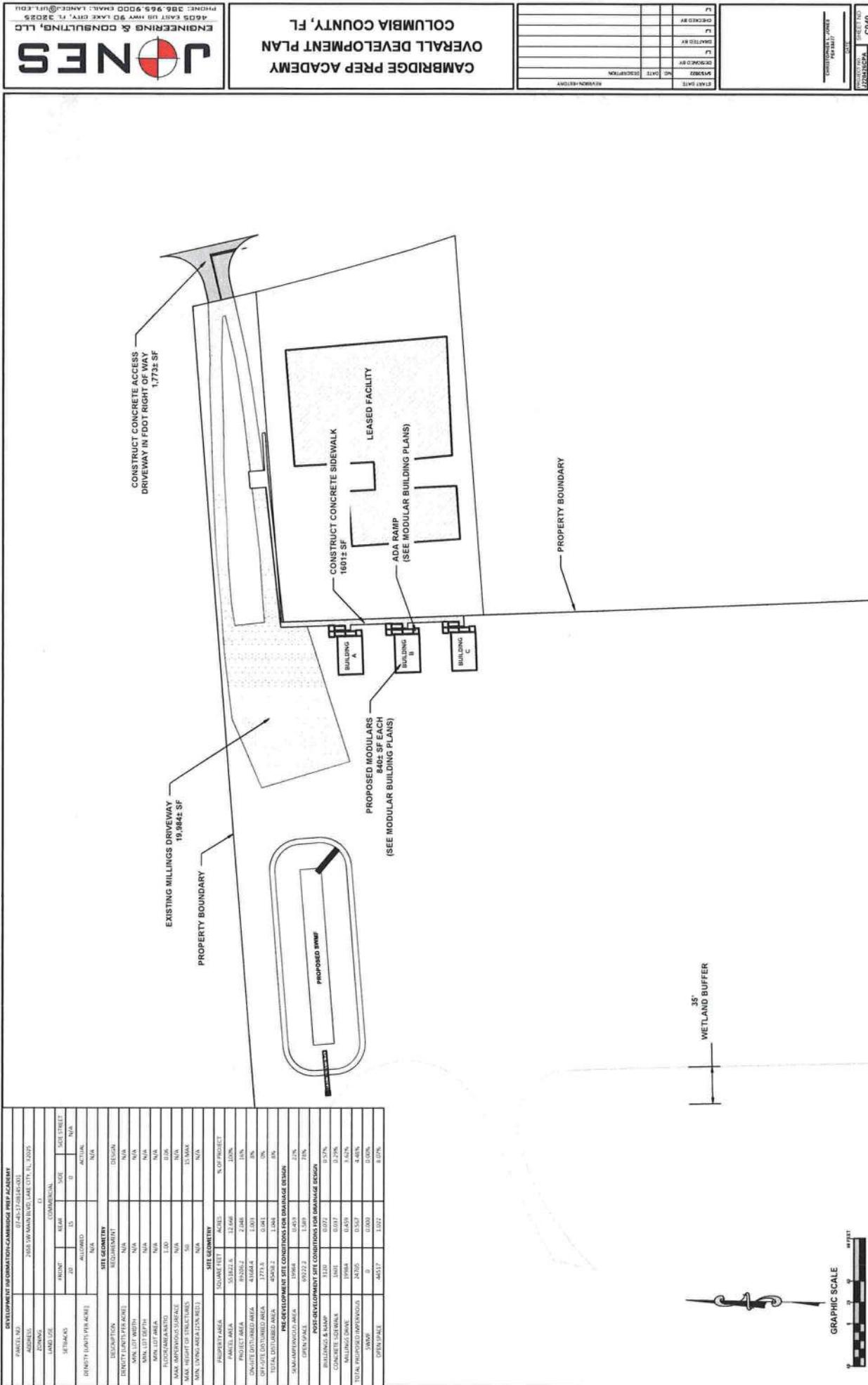




CAMBRIDGE PREP ACADEMY
EXISTING CONDITIONS
COLUMBIA COUNTY, FL



| EXISTING SITE CONDITIONS FROM NIES WEB SITE SURVEY | | | | | |
|--|---------------------|------------|-------------|--------|-------|
| BORING | SOIL CLASSIFICATION | SOIL GROUP | WATER TABLE | PSAT | ESALv |
| 1 | ALBANY FINE SANDS | A/D | 1.74 | 25.91 | 31.39 |
| 31 | LEEFIELD FINE SANDS | A | 2.00 | 25.01n | 6.62 |
| 40 | OCCILLA FINE SANDS | B/D | 1.74 | 15.48 | 6.80 |
| 99 | MULTI | N/A | N/A | N/A | N/A |



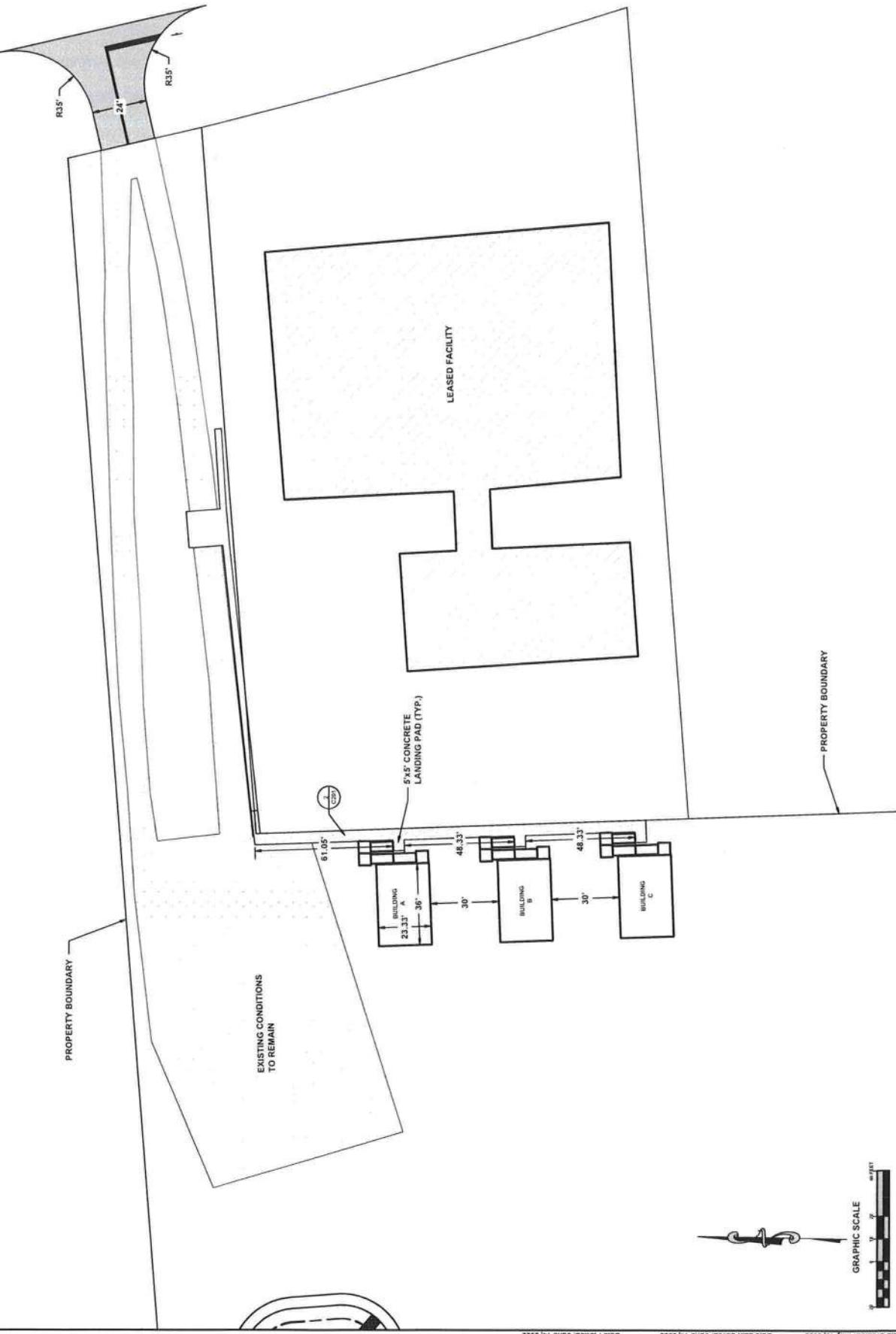
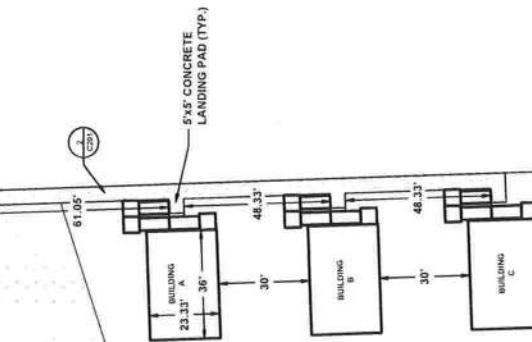


ENGINEERING & CONSULTING, LLC
4605 EAST RD HWY 30 LAKE CITY, FL 32055
PHONE: 386.965.9000 EMAIL: LAMC@JNLE.GG

CAMBRIDGE PREP ACADEMY
GEOMETRIC PLAN
COLUMBIA COUNTY, FL

EXISTING CONDITIONS
TO REMAIN

EXISTING CONDITIONS
TO REMAIN

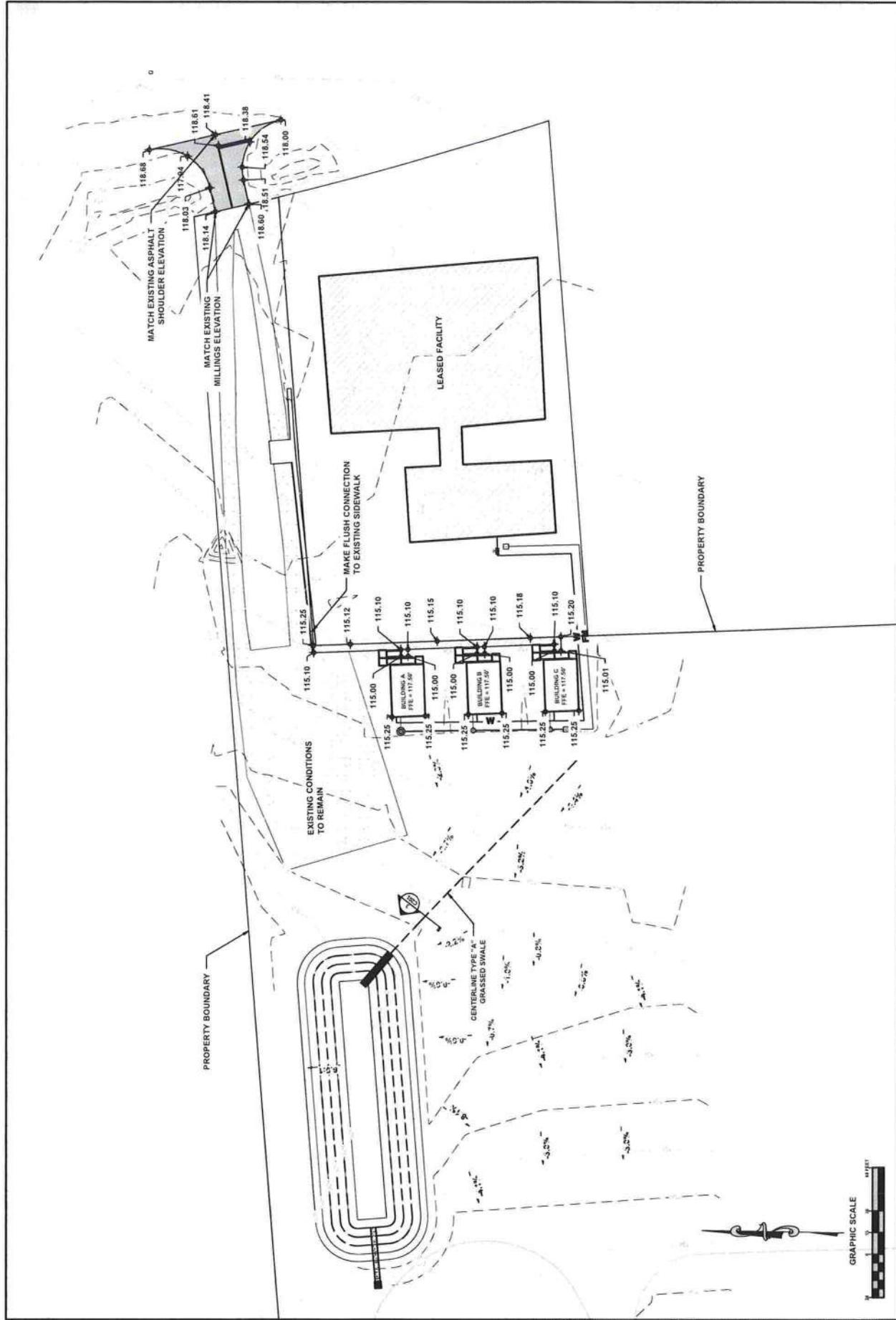




CAMBRIDGE PREP ACADEMY
PAVING, GRADING & DRAINAGE PLAN

PRODGE 396.965.9000 ENAMEL LADGE@URL.GOV
4605 EAST US HWY 30 LAKE CITY, FL 32052

CONTINUATION OF SHEET NO.
SHEET NO. 100
CADD FILE NO.
DATE 07/05/2022
TIME 10:45 AM
FILE LOCATION C:\Users\jennenggole\Dropbox\jones Land Development Group\Projects\220226CAMBPREPACADEMY\220226CAMBPREPACADEMY.Dwg
FILE CREATED: MAY 15, 2022
DATE LAST SAVED: JUNE 16, 2022
FILE PRINTED: JUNE 16, 2022
FILE DRAWING NUMBER: 220226CAMBPREPACADEMY.Dwg
FILE PAVING DRADING & DRAINAGE PLAN





4605 EAST UD HWY 965, SUITE 3000, LAKELAND, FL 33805
PHONE: 863.645.9655 | FAX: 863.645.9655 | EMAIL: LAKELAND@NED.COM

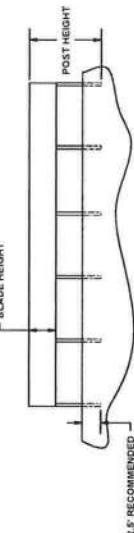
**CAMBRIDGE PREP ACADEMY
PAVING, GRADING & DRAINAGE DETAILS
COLUMBIA COUNTY, FL**

| | | |
|------------|----------------------|-------------------------|
| STAMP DATE | NO. OF SHEETS ISSUED | NO. OF SHEETS REMAINING |
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| STAMP DATE | NO. OF SHEETS ISSUED | NO. OF SHEETS REMAINING |
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ENVIRO-FPM
POST MOUNTED SKIMMER

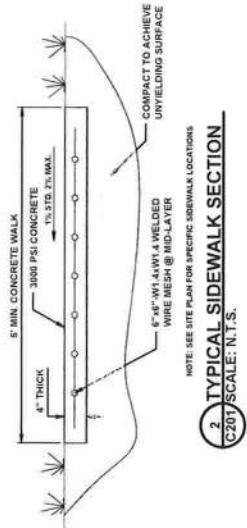


DESIGN NOTES:
 1. OIL SKIMMER EXTENDS FROM SIX INCHES BELOW INVERT
 2. THE WIDTH OF THE FRONT PANEL SHALL BE ONE-HALF THE
 OUTSIDE DIMENSION ACROSS THE FRONT OF THE STRUCTURE.
 3. THE LOCATION OF THE REINFORCING STEEL IN THE SPILWAY
 MUST CONFORM TO THE APPLICABLE STANDARDS TO AVOID
 CONFLICT WITH THE EXPANSION ANCHORS USED TO ATTACH THE
 SKIMMER.

MATERIAL:
 ENVIRO GLASKIMMER STRUCTURAL FRP A5
 SUPPLIED BY ENVIRONMENTAL COMPOSITES INC.
 TAYLOR, FL 32770 PHONE: 362-343-3449
 3/8" OR 1/2" THK BASED ON ENGINEERS
 PERFORMANCE REQUIREMENTS. FOR MORE
 INFORMATION SEE MATERIAL SPEC SHEET
 COLOR:
 DISAPPEARING GREEN
 INSTALLATION HARDWARE:
 5/16"-18 SS HEX HEAD BOLTS W/ NYLOCK NUTS

1 FREE STANDING POSTMOUNT ENVIRO GLASKIMMER DETAIL

(C201)
SCALE: N.T.S.



2 TYPICAL SIDEWALK SECTION

(C201)
SCALE: N.T.S.



3 TYPE "A" GRASSED SWALE

(C201)
SCALE: N.T.S.

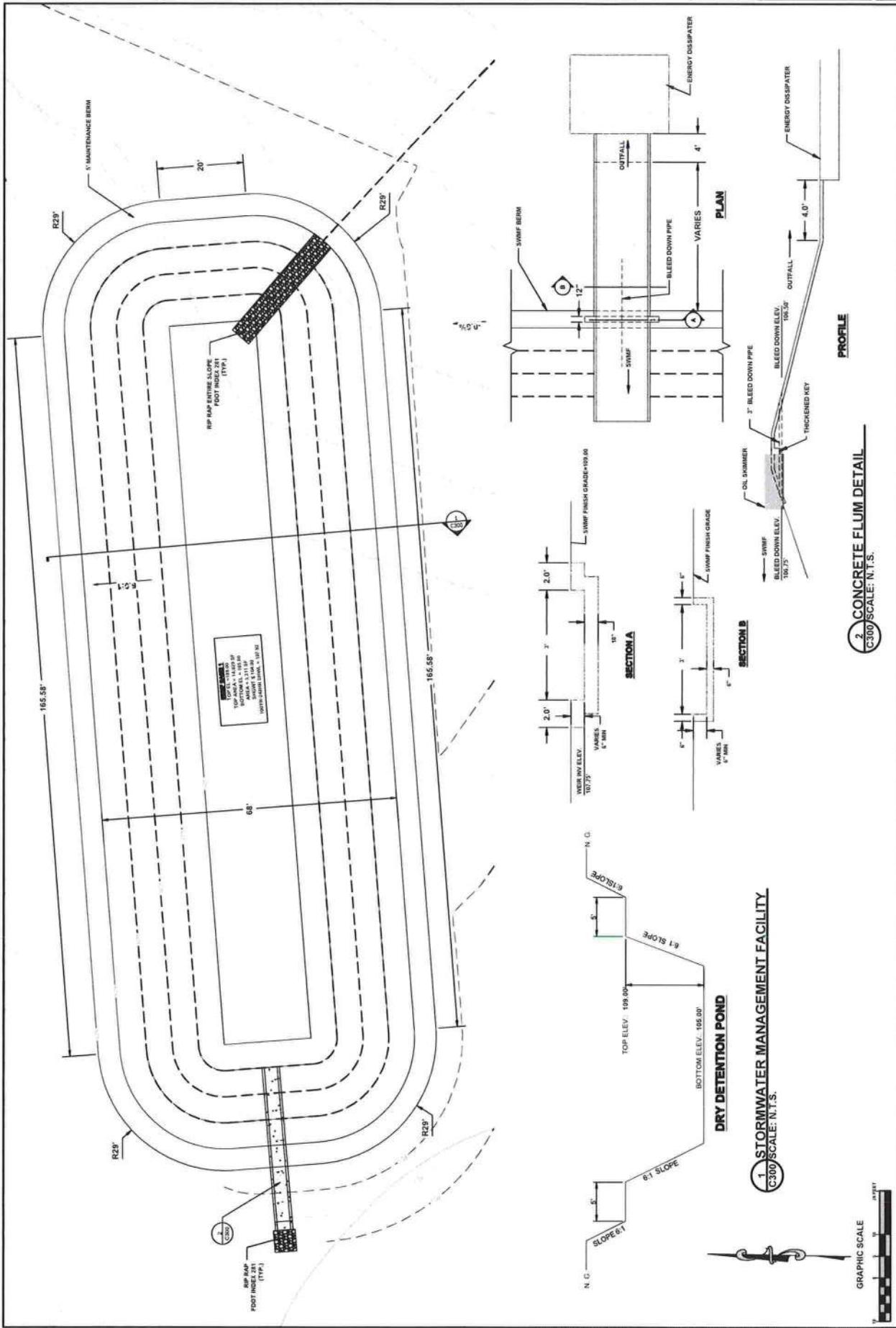


PROINC: 396-965-8000 FAX: 396-965-8002 E-MAIL: LANCE@NLS.COM
4605 EAST US HWY 30 LAKE CITY, FL 32052

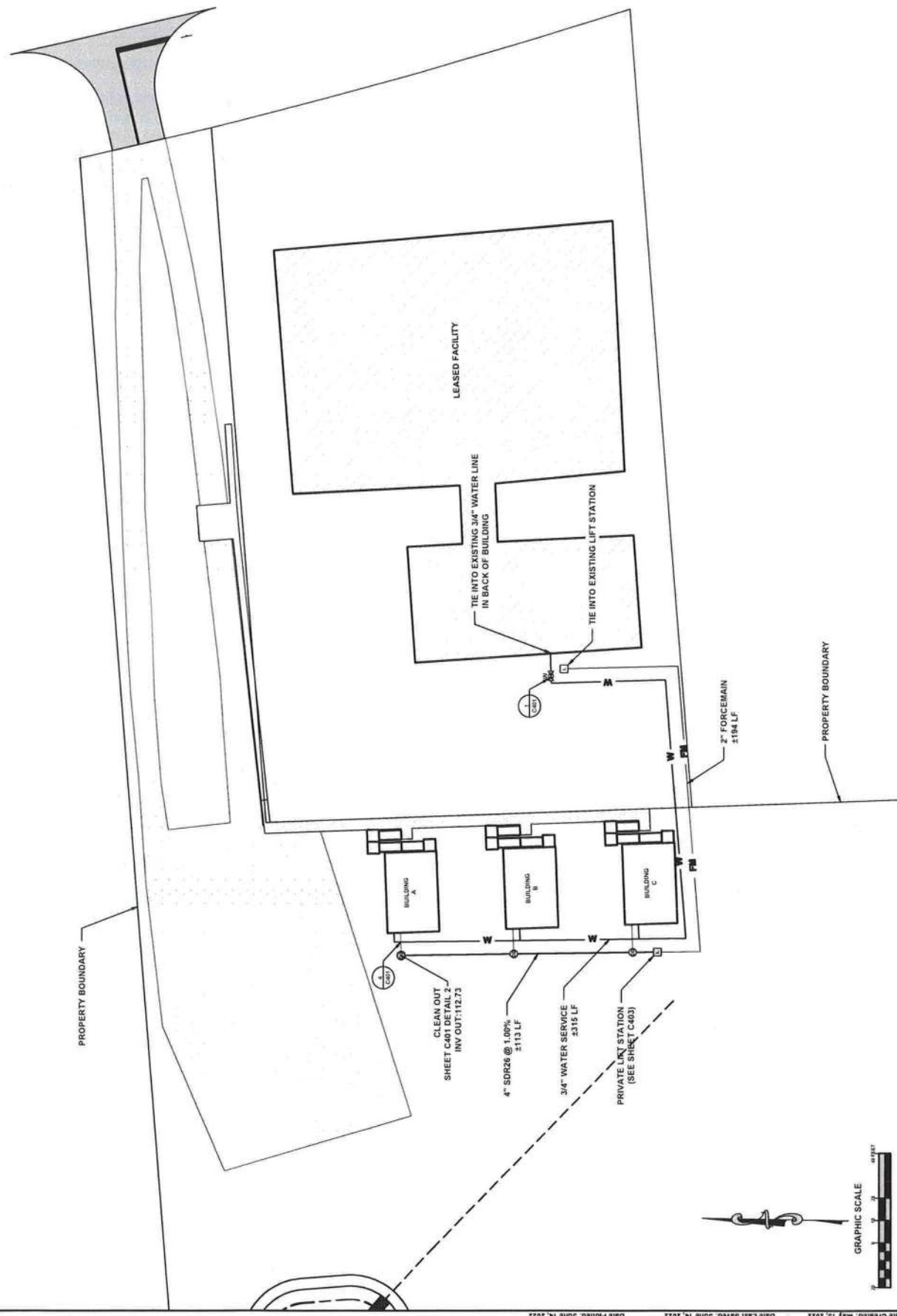
STORMWATER MANAGEMENT PLAN
CAMPBELL COUNTY, FL
STORMWATER PREP ACADEMY

| | |
|-------------------------|----------------------------|
| STORMWATER PREP ACADEMY | CAMPBELL COUNTY, FL |
| DESIGNER: | DATE: |
| DESIGNER'S SIGNATURE: | DESIGNER'S PRINTED NAME: |
| DESIGNER'S TITLE: | DESIGNER'S FIRM: |
| DESIGNER'S ADDRESS: | DESIGNER'S PHONE NUMBER: |
| DESIGNER'S FAX NUMBER: | DESIGNER'S E-MAIL ADDRESS: |

STORMWATER PREP ACADEMY
CAMPBELL COUNTY, FL
DATE: JUNE 16, 2022
DESIGNER: LANCE C. BROWN
FIRM: NES ENGINEERING & CONSULTING, LLC
PHONE: 396-965-8000 FAX: 396-965-8002
E-MAIL: LANCE@NLS.COM
4605 EAST US HWY 30 LAKE CITY, FL 32052



| | | |
|------------|-------------|------------------|
| PLATE DATE | DATE ISSUED | REASON FOR ISSUE |
| | | |
| | | |
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| | | |





ADDRESS: 386 EAST US HWY 3000 GARDEN CITY, ID 83025
PHONE: 208.965.9000

COLUMBIA COUNTY, FL UTILITY DETAILS

CAMBRIDGE PREP ACADEMY

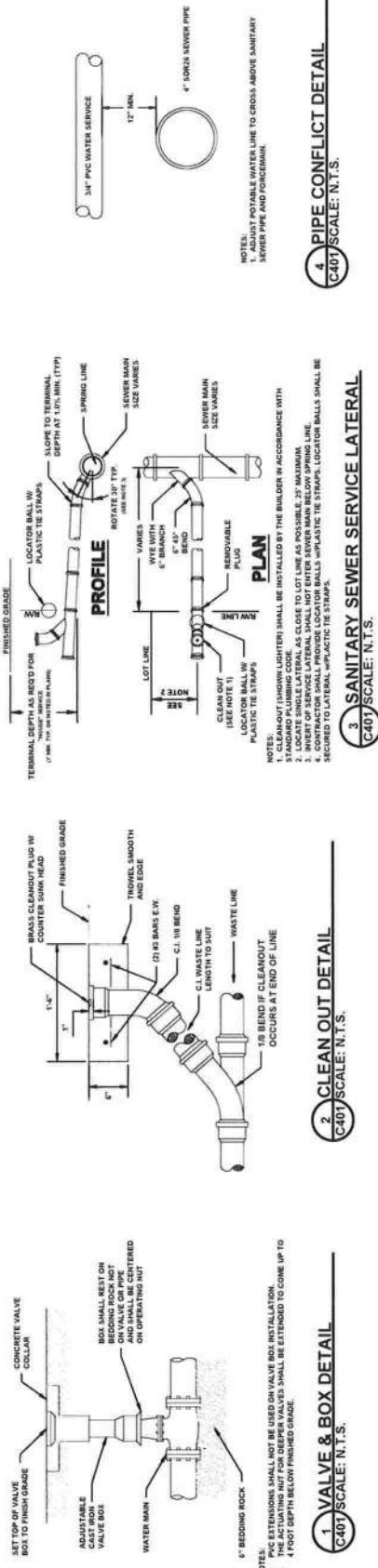


EXHIBIT NO. / SHEET NO.
C401 / C401

DATE: 06/14/2022

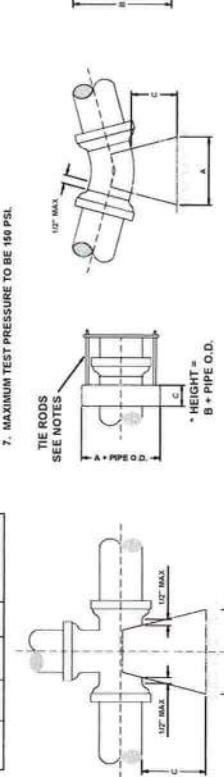
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|---|---|---|---|---|---|---|---|---|----|
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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

PIPE RESTRAINT SCHEDULE
CAMBRIIDGE PREP ACADEMY
COLUMBIA COUNTY, FL

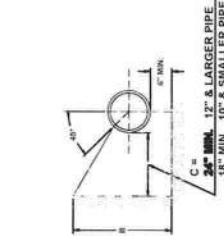
| THRUST BLOCK FOR BENDS | | | | | | | | | | |
|------------------------|----------|------|-----|----------|-----|------|--------------|-------|-----|--------------------|
| SIZE | 90° BEND | | | 45° BEND | | | 22 1/2° BEND | | | SQ. FT. BEARING |
| | A | B | C | A | B | C | A | B | C | |
| 4" | 16" | 16" | 16" | 1.75 | 14" | 14" | 1.55 | 14" | 16" | 1.56 |
| 6" | 22" | 32" | 18" | 4.89 | 16" | 18" | 2.00 | 14" | 16" | 1.56 |
| 8" | 32" | 36" | 18" | 8.00 | 24" | 28" | 4.67 | 15" | 18" | 2.00 |
| 10" | 36" | 46" | 18" | 11.50 | 26" | 36" | 6.50 | 20" | 24" | 3.33 |
| 12" | 44" | 56" | 24" | 17.11 | 32" | 40" | 24 | 8.89 | 24" | 5.00 |
| 14" | 52" | 62" | 24" | 22.39 | 36" | 48" | 24 | 12.00 | 26" | 6.50 |
| 16" | 56" | 72" | 24" | 29.00 | 40" | 54" | 24 | 15.00 | 32" | 38" |
| 18" | 64" | 80" | 24" | 35.56 | 48" | 60" | 24 | 19.17 | 36" | 42" |
| 20" | 72" | 88" | 24" | 44.00 | 52" | 66" | 24 | 23.83 | 39" | 48" |
| 24" | 96" | 96" | 24" | 63.78 | 64" | 78" | 24 | 34.67 | 48" | 56" |
| 30" | 122" | 122" | 24" | 86.11 | 72" | 84" | 24 | 47.00 | 58" | 62" |
| 36" | 166" | 166" | 24" | 123.33 | 88" | 108" | 24 | 66.00 | 64" | 78" |

NOTES:

- ALL BEARING SURFACES TO BE CARRIED TO UNDISTurbed SOIL.
- THESE TABLES SHOW MINIMUM SIZES FOR THRUST BLOCKS IN GOOD SOIL (A1 THRU A-3, CLEAN SANDS AND GRAVELS) WITH MINIMUM BEARING CAPACITY OF 2000 PSI.
- POOR SOILS & 4 SILTY SOILS, CLAYS, MUCK AND PEAT WILL REQUIRE LARGER THRUST BLOCKING.
- BOTH CONCRETE THRUST BLOCKS AND TIE RODS MUST BE USED WHEN IN THE JUDGEMENT OF THE ENGINEER, THE NATURE AND CRITICALITY OF AN INSTALLATION IS SUCH AS TO REQUIRE POSITIVE ASSURANCE OF STABILITY.
- THE USE OF THRUST BLOCKS SHALL BE LIMITED TO SITUATIONS SUCH AS POINT REPAIR WHERE EXPOSING SEVERAL JOINTS OF PIPE IS NOT FEASIBLE DUE TO EXISTING GROUND CONDITIONS.
- CONCRETE COLLARS WITH THE RODS MAY BE USED ON DEAD END LINES AT THE CONTRACTOR'S DISCRETION. NUMBER OF THE RODS SHALL BE AS FOLLOWS:
- 3" - 8" DIAMETER MAIN -- 2 TIE RODS PER JOINT
 4" - 12" DIAMETER MAIN -- 4 TIE RODS PER JOINT
 14" - 20" DIAMETER MAIN -- 6 TIE RODS PER JOINT
 24" - 36" DIAMETER MAIN -- 8 TIE RODS PER JOINT
 42" - 48" DIAMETER MAIN -- 10 TIE RODS PER JOINT
- MATRIX TEST PRESSURE TO BE 150 PSI.



1 THRUST BLOCK SIZE CHART
 C402 SCALE: N.T.S.



2 PVC PIPE RESTRAINT JOINT SCHEDULE
 C402 SCALE: N.T.S.

| SIZE | LENGTH (L) TO BE RESTRAINED | | | | | | | | | | |
|------|-----------------------------|------|---------|------------------|---------------|-------------------|-------------------|---------------------|----------------------|----------------------------------|-------------------|
| | NOMINAL PIPE SIZE (IN.) | | | HORIZONTAL BENDS | | | VERTICAL OFFSETS | | | VALVES OR DEAD-ENDS (SEE NOTE 4) | |
| A | B | C | L (Ft.) | BENDS L (Ft.) | BENDS L (Ft.) | 90° BENDS L (Ft.) | 45° BENDS L (Ft.) | 22.5° BENDS L (Ft.) | 11.25° BENDS L (Ft.) | 45° BENDS L (Ft.) | 45° BENDS L (Ft.) |
| 4" | 16" | 16" | 1.75 | 14" | 14" | 1.56 | 14" | 16" | 18" | 1.56 | 4" |
| 6" | 22" | 32" | 18" | 4.89 | 16" | 18" | 2.00 | 14" | 16" | 1.56 | 6" |
| 8" | 32" | 36" | 18" | 8.00 | 24" | 28" | 4.67 | 15" | 18" | 1.56 | 4' < LESS F.O. |
| 10" | 36" | 46" | 18" | 11.50 | 26" | 36" | 6.50 | 20" | 24" | 3.33 | 8" < LESS F.O. |
| 12" | 44" | 56" | 24" | 17.11 | 32" | 40" | 24 | 8.89 | 24" | 5.00 | 10" < LESS F.O. |
| 14" | 52" | 62" | 24" | 22.39 | 36" | 48" | 24 | 12.00 | 26" | 6.50 | 12" < LESS F.O. |
| 16" | 56" | 72" | 24" | 29.00 | 40" | 54" | 24 | 15.00 | 32" | 8.89 | 14" < LESS F.O. |
| 18" | 64" | 80" | 24" | 35.56 | 48" | 60" | 24 | 19.17 | 36" | 42" | 16" < LESS F.O. |
| 20" | 72" | 88" | 24" | 44.00 | 52" | 66" | 24 | 23.83 | 39" | 48" | 18" < LESS F.O. |
| 24" | 96" | 96" | 24" | 63.78 | 64" | 78" | 24 | 34.67 | 48" | 56" | 20" < LESS F.O. |
| 30" | 122" | 122" | 24" | 86.11 | 72" | 84" | 24 | 47.00 | 58" | 62" | 22" < LESS F.O. |
| 36" | 166" | 166" | 24" | 123.33 | 88" | 108" | 24 | 66.00 | 64" | 78" | 24" < LESS F.O. |

| REDUCERS | | |
|----------|-------------------|---------|
| RUN | BRANCH SIZE (Ft.) | L (Ft.) |
| 4" | 4" | 4" |
| 6X4 | 35 | 35 |
| 8X6 | 35 | 35 |
| 8X4 | 35 | 35 |
| 10X8 | 35 | 35 |
| 10X6 | 65 | 65 |
| 12X10 | 35 | 35 |

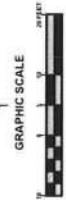
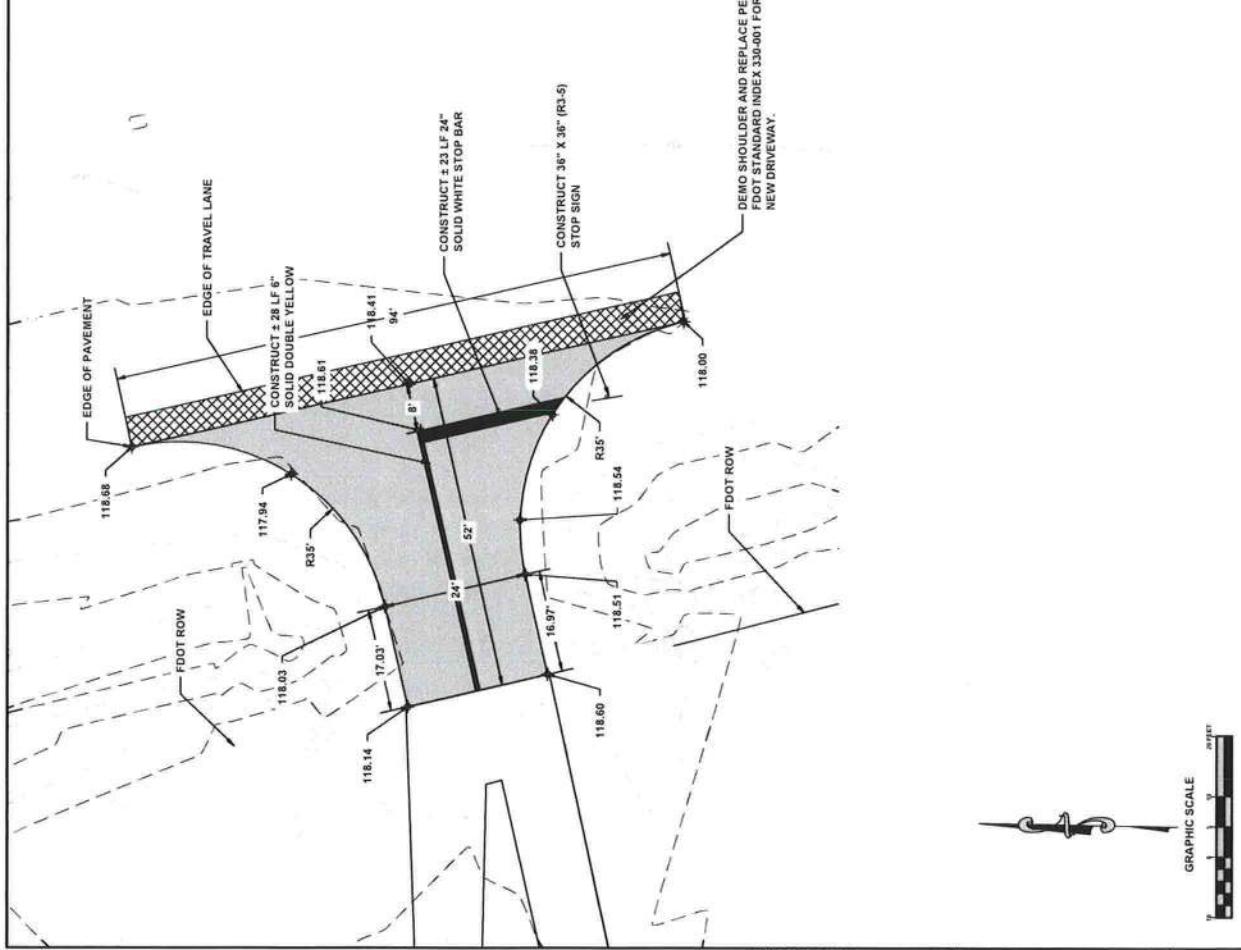
 SHEET 1/10
 C402

| | | | | |
|---------|------------|---------------|------------|---------|
| STATION | DATE | DESIGNER | REVISION | REASON |
| L1 | 06/22/2022 | EDWARD GARCIA | 06/22/2022 | INITIAL |
| L2 | 06/22/2022 | EDWARD GARCIA | 06/22/2022 | INITIAL |
| L3 | 06/22/2022 | EDWARD GARCIA | 06/22/2022 | INITIAL |
| L4 | 06/22/2022 | EDWARD GARCIA | 06/22/2022 | INITIAL |

| | |
|----------------|---------------|
| CHIEF ENGINEER | EDWARD GARCIA |
| DESIGNER | EDWARD GARCIA |
| PERMITTING | EDWARD GARCIA |

FOOT CONNECTION NOTES:

1. CONSTRUCT DRIVEWAY PER FDOT STANDARD INDEX 330-001 FOR NEW DRIVEWAY.
2. MATCH EXISTING ELEVATIONS FOR EDGE OF TRAVEL LANE, EDGE OF PAVEMENT, AND MILLINGS DRIVEWAY.
3. THE EXISTING ASPHALT PAVED SHOULDER SHALL BE MECHANICALLY SAW CUT AND REMOVED AS WELL AS ALL PRE-EXISTING SUBGRADE MATERIALS WITHIN THE LIMITS OF THE PROJECT IMPROVEMENTS WORK ZONE OR AS MAY BE CALLED FOR UNDER THE STATE FDOT PERMIT.
4. ALL PERMITTED PAVEMENT STRIPPING PERTAINING TO THIS ACCESS PERMIT SHALL REQUIRE CERTIFIED LEAD BEARING SHALL BE REQUIRED TO BE IN PLACE 30 MINUTES BEFORE OFFICIAL SUNDOWN, BOTH TEMPORARY TRAFFIC BEARING PAINTS AND THERMOPLASTIC MARKING MATERIALS SHALL BE LEAD FREE AND SHALL MEET FDOT MINIMUM SPECIFICATIONS FOR NIGHT REFLECTIVITY. TEMPORARY RPM SHALL BE INSTALLED DURING BOTH TEMPORARY AND PERMANENT STRIPPING PHASES. REMOVAL OF EXISTING STRIPING SHALL BE HYDRO-BLASTED.
5. FAILURE BY THE PERMITTEE AND/OR HIS/HER CONTRACTOR TO HAVE A CERTIFIED STRIPPING CREW ON SITE BEFORE THE START OF PAVING CAN BE REASON TO SUSPEND THE APPROVED PERMIT UNTIL SUCH TIME AS THE PERMITTEE AND/OR HIS/HER CONTRACTOR CORRECTS THE SITUATION TO THE SATISFACTION OF THE ON-SITE STATE FDOT PERMITS PERSONNEL/INSPECTOR.
6. FOR MAINTENANCE OF TRAFFIC PLAN REFER TO FDOT STANDARD PLANS 102-500, 102-501, 102-502, 102-503, AND 102-525.
7. 24 INCH STOP BARS TO BE PLACED AT ALL INTERSECTIONS IN ACCORDANCE WITH CURRENT EDITION FDOT DESIGN STANDARDS INDEX 17146.
8. THE PERMITTEE SHALL CONTACT THE FDOT PERMITS OFFICE A MINIMUM OF 48 HOURS IN ADVANCE OF THE PLANNED CONNECTION.





CAMBRIDGE PREP ACADEMY
LIFE SAFETY PLAN
COLUMBIA COUNTY, FL

| | |
|-------------|---|
| Start Date: | 06/15/2022 |
| End Date: | 06/15/2022 |
| Design By: | DESIGNER: BRADLEY J. COOPER |
| Review By: | REVIEWER: BRADLEY J. COOPER |
| Checklist: | ✓ FIRE HYDRANT ✓ EXISTING ✓ LEASED ✓ BUILDING ✓ |

| | |
|------------------|---------------|
| File Number: | CS-1234567890 |
| Date Created: | May 15, 2022 |
| Date Last Saved: | June 15, 2022 |

