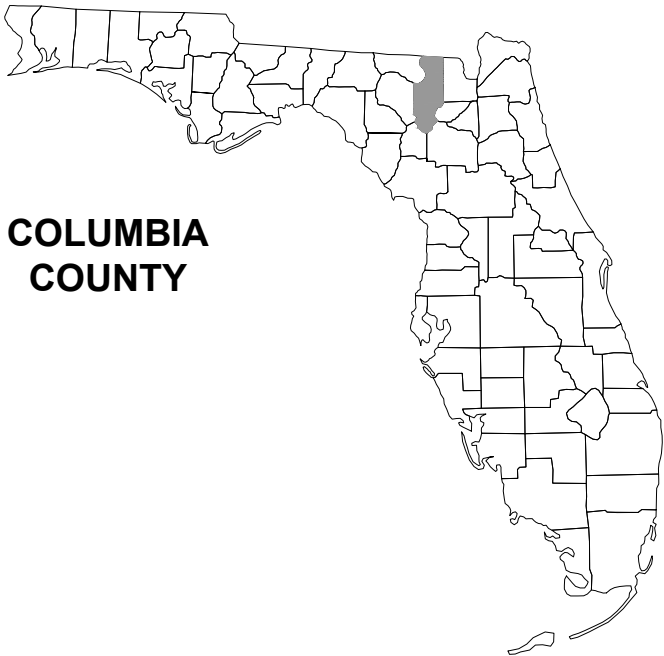


NEW MILLENNIUM BUILDING STORAGE YARD EXTENSION

LAKE CITY, FL

SECTION 25, TOWNSHIP 3 S, RANGE 16 E



COLUMBIA
COUNTY



PROJECT LOCATION

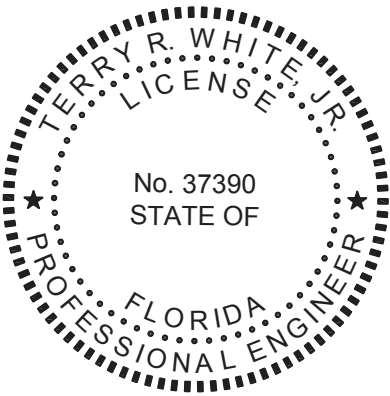
PLANS PREPARED FOR:

NEW MILLENNIUM BUILDING SYSTEMS, LLC
1992 NW BASCOM NORRIS DR
LAKE CITY, FL

SHEET INDEX

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EROSION CONTROL PLAN	C-9
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ATTACHMENT: SURVEY BY J. SHERMAN FRIER &
ASSOCIATES, INC.



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND
SEALED BY:

Terry R White
Digitally signed by Terry R
White
Date: 2020.06.01
14:14:06-04'00'
ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED AND SEALED. THE
SIGNATURE MUST BE VERIFIED IN THE
ELECTRONIC DOCUMENTS.

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
CERTIFICATE OF AUTHORIZATION: 29011
TERRY R. WHITE, JR., P.E. NO. 37390

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.



COVER SHEET

REVISIONS:

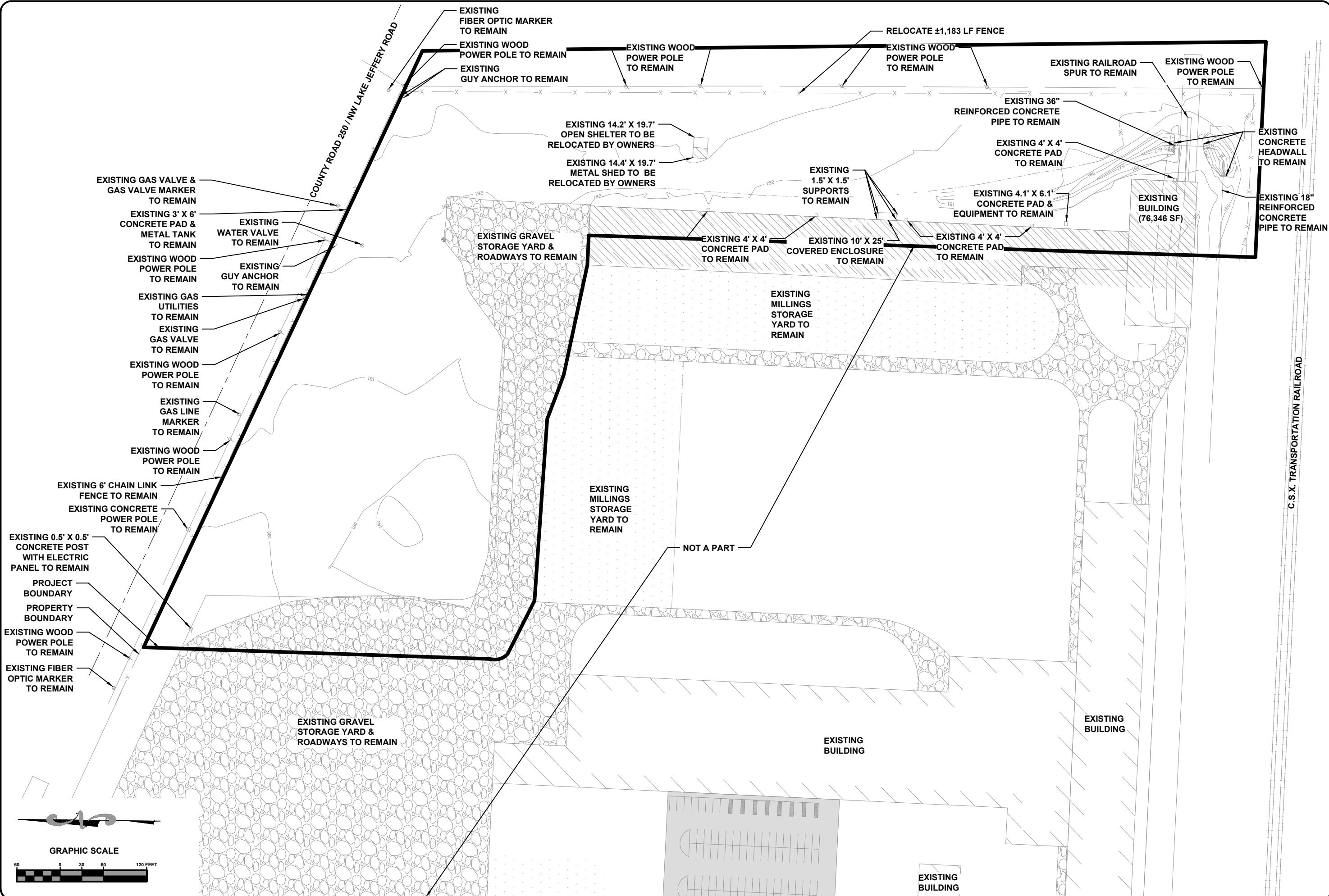
DESIGNED BY:	TH
DRAFTED BY:	JC
CHECKED BY:	TW
DATE:	03/18
ENGINEER OF RECORD:	TERRY R. WHITE
P.E. NO.:	37390

SHEET NO.
C-1

06/2020
FINAL CONSTRUCTION PLANS

PARCEL ID NUMBER	25-3S-16-02277-102				
ZONING	INDUSTRIAL				
LAND USE	INDUSTRIAL				
CITY COUNCIL DISTRICT NUMBER	3				
PHYSICAL ADDRESS	1992 NW BASCOM NORRIS DR. LAKE CITY, FL 32055				
PROJECT PROPERTY BOUNDARY		SQ. FT.	ACRES	% OF SITE	% OF LOC
TOTAL PROPERTY BOUNDARY AREA		3066188	70.39	100.00%	100.00%
PROJECT AREA / LIMITS OF CONSTRUCTION (LOC)		3066188	70.39	100.00%	100.00%
EXISTING IMPERVIOUS AREA ON-SITE					
EXISTING ASPHALT PAVEMENT		131248	3.01	4.28%	4.28%
EXISTING CONCRETE		0	0.00	0.00%	0.00%
EXISTING BUILDING		261138	5.99	8.52%	8.52%
EXISTING STORAGE YARD		838885	19.26	27.36%	27.36%
EXISTING GRASSED SWALES		36901	0.85	1.20%	1.20%
EXISTING STORMWATER MANAGEMENT FACILITY		188574	4.33	6.15%	6.15%
TOTAL EXISTING IMPERVIOUS AREA ON-SITE		1456746	33.45	47.51%	47.51%
PROPOSED IMPERVIOUS AREA ON-SITE					
EXISTING ASPHALT PAVEMENT TO REMAIN		131248	3.01	4.28%	4.28%
EXISTING CONCRETE TO REMAIN		0	0.00	0.00%	0.00%
EXISTING BUILDING TO REMAIN		261138	5.99	8.52%	8.52%
EXISTING STORAGE YARD TO REMAIN		837983	19.24	27.33%	27.33%
EXISTING GRASSED SWALES TO REMAIN		36901	0.85	1.20%	1.20%
EXISTING STORMWATER MANAGEMENT FACILITY TO REMAIN		188574	4.33	6.15%	6.15%
PROPOSED ASPHALT PAVEMENT		0	0.00	0.00%	0.00%
PROPOSED CONCRETE		0	0.00	0.00%	0.00%
PROPOSED BUILDING		0	0.00	0.00%	0.00%
PROPOSED STORAGE YARD		179527	4.12	5.86%	5.86%
PROPOSED GRASSED SWALES		9205	0.21	0.30%	0.29%
PROPOSED STORMWATER MANAGEMENT FACILITY		69668	1.60	2.27%	2.27%
TOTAL PROPOSED IMPERVIOUS AREA ON-SITE (INCLUDING SWMF)		1714244	39.36	55.90%	55.90%
EXISTING PERVIOUS AREA ON-SITE					
EXISTING GREEN SPACE		1609442	36.95	52.47%	52.47%
TOTAL EXISTING PERVIOUS		1609442	36.95	52.47%	52.47%
PROPOSED PERVIOUS AREA ON-SITE					
EXISTING GREEN SPACE TO REMAIN		1351944	31.04	44.10%	44.10%
TOTAL PROPOSED PERVIOUS AREA ON-SITE		1351944	31.04	44.10%	44.10%
PROPOSED PARKING LANDSCAPE AREA ON-SITE		0	0.00	0.00%	0.00%
REQUIRED PARKING		NO CHANGE REQUIRED			
PROVIDED PARKING		NO CHANGE REQUIRED			
NOTES: PROPOSED 100' X 100' OPEN STRUCTURE IN DRAINAGE BASIN. NO IMPERVIOUS AREA WILL BE ADDED.					

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Plotted by: Robert (JR) Davis
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DEMOLITION PLAN

NEW MILLENNIUM BUILDING STORAGE YARD EXTENSION

LAKE CITY, FL

JOBS NUMBER: **L180314NMB**

DESIGNED BY: **TH** DRAFTED BY: **JC** CHECKED BY: **TW**

DATE: 03/18

ENGINEER OF RECORD: **TERRY R. WHITE**

P.E. NO.: 37360

SHEET NO.: **C-3**

North Florida Professional Services, Inc.

P.O. BOX 3823

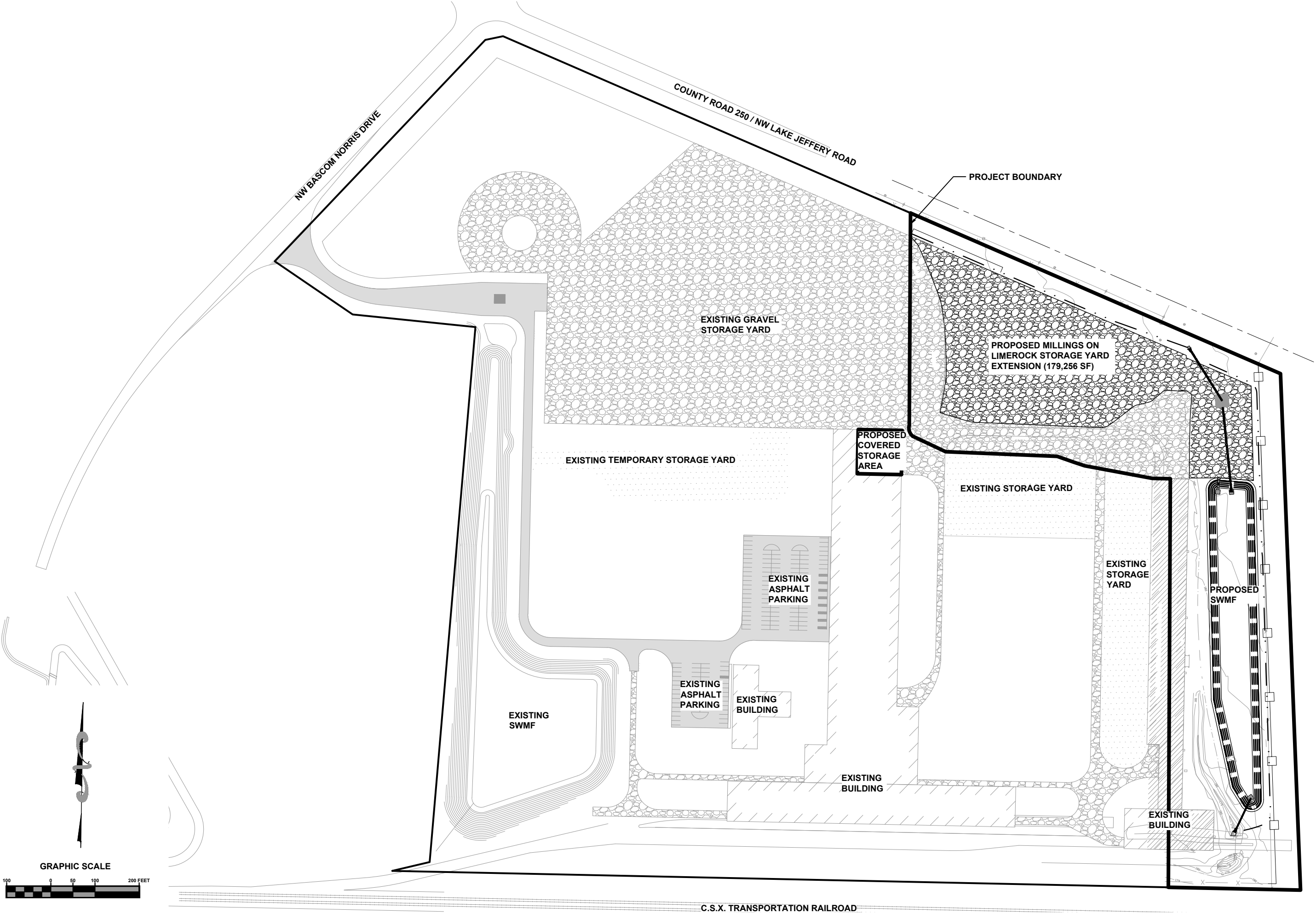
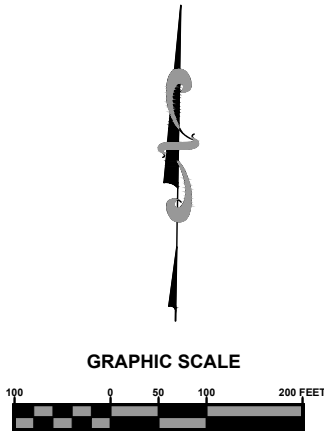
Lake City, FL 32025

Ph. 877-335-1525

Fax. 386-752-4674

Eng. Lic. 29011

File Location: X:\2018\180314\NMB\H.CADD\cNMBdsn\4 OVERALL SITE
Date Created: June 1, 2020 Date Last Saved: June 1, 2020 Date Plotted: June 1, 2020 Plotted by: Robert (JR) Davis
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JOB NUMBER: L180314NMB	DESIGNED BY: TH	DRAFTED BY: JC	CHECKED BY: TW
DATE: 03/18	ENGINEER OF RECORD: TERRY R. WHITE	P.E. NO.: 37360	
SHEET NO. C-4			

REVISIONS:

OVERALL SITE PLAN

NEW MILLENNIUM BUILDING STORAGE YARD EXTENSION

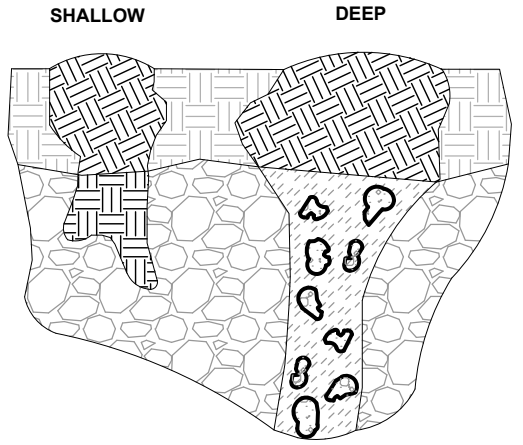
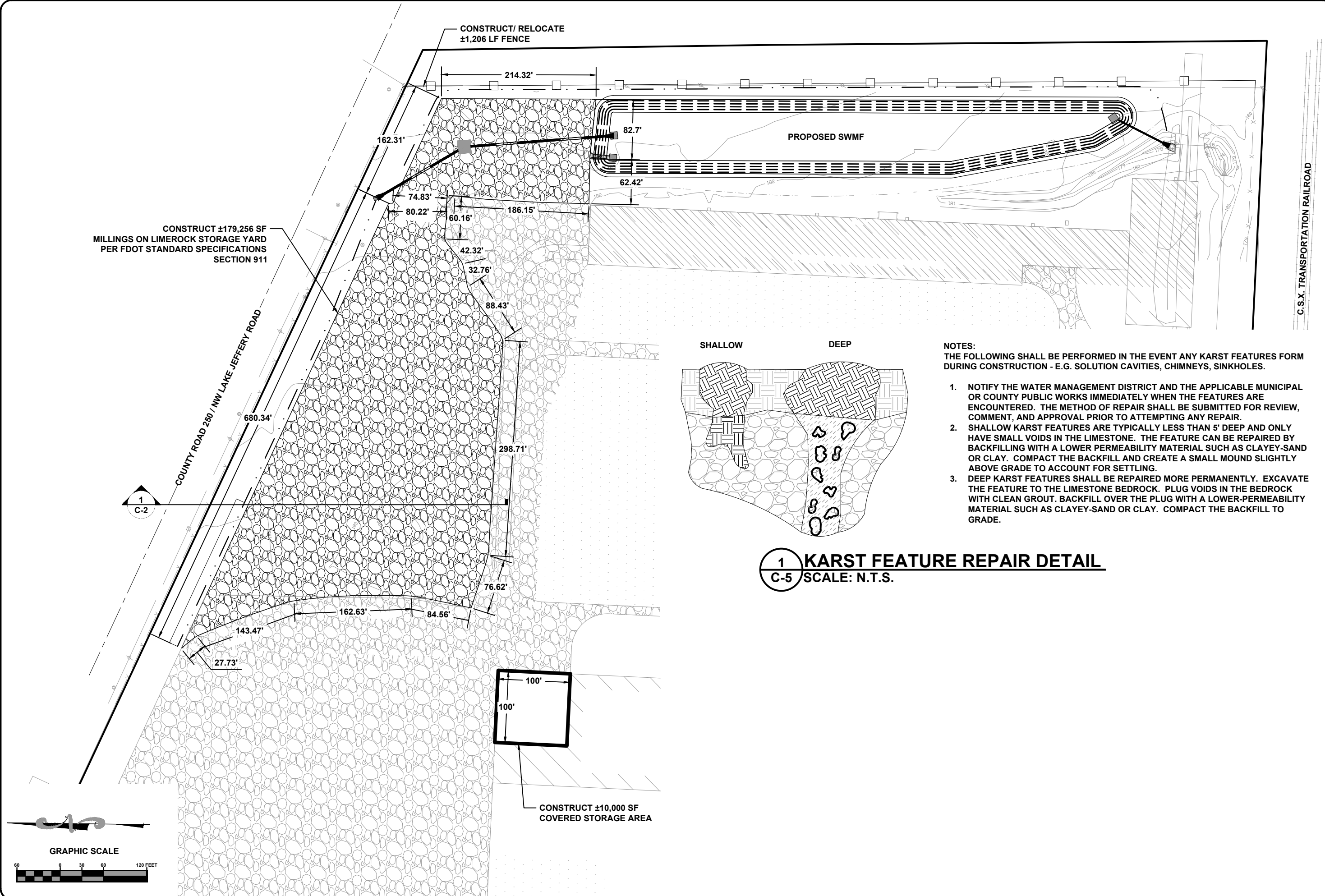
LAKE CITY, FL



North Florida Professional Services, Inc.
P.O. BOX 3823
Lake City, FL 32025
Ph. 386-752-4675
Fax. 386-752-4674

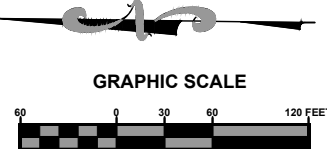
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Tallahassee, FL 32318
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Eng. Lic. 29011

File Location: X:\2018\180314\NMB\H.CADD\cNMBdsn15 SITE
Date Created: June 1, 2020 Date Plotted: June 1, 2020 Plotted by: Robert (JR) Davis
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- NOTES:
THE FOLLOWING SHALL BE PERFORMED IN THE EVENT ANY KARST FEATURES FORM
DURING CONSTRUCTION - E.G. SOLUTION CAVITIES, CHIMNEYS, SINKHOLES.
1. NOTIFY THE WATER MANAGEMENT DISTRICT AND THE APPLICABLE MUNICIPAL
OR COUNTY PUBLIC WORKS IMMEDIATELY WHEN THE FEATURES ARE
ENCOUNTERED. THE METHOD OF REPAIR SHALL BE SUBMITTED FOR REVIEW,
COMMENT, AND APPROVAL PRIOR TO ATTEMPTING ANY REPAIR.
 2. SHALLOW KARST FEATURES ARE TYPICALLY LESS THAN 5' DEEP AND ONLY
HAVE SMALL VOIDS IN THE LIMESTONE. THE FEATURE CAN BE REPAIRED BY
BACKFILLING WITH A LOWER PERMEABILITY MATERIAL SUCH AS CLAYEY-SAND
OR CLAY. COMPACT THE BACKFILL AND CREATE A SMALL MOUND SLIGHTLY
ABOVE GRADE TO ACCOUNT FOR SETTLING.
 3. DEEP KARST FEATURES SHALL BE REPAIRED MORE PERMANENTLY. EXCAVATE
THE FEATURE TO THE LIMESTONE BEDROCK. PLUG VOIDS IN THE BEDROCK
WITH CLEAN GROUT. BACKFILL OVER THE PLUG WITH A LOWER-PERMEABILITY
MATERIAL SUCH AS CLAYEY-SAND OR CLAY. COMPACT THE BACKFILL TO
GRADE.

1 KARST FEATURE REPAIR DETAIL
C-5 SCALE: N.T.S.



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SITE PLAN

NEW MILLENNIUM BUILDING STORAGE YARD EXTENSION

LAKE CITY, FL

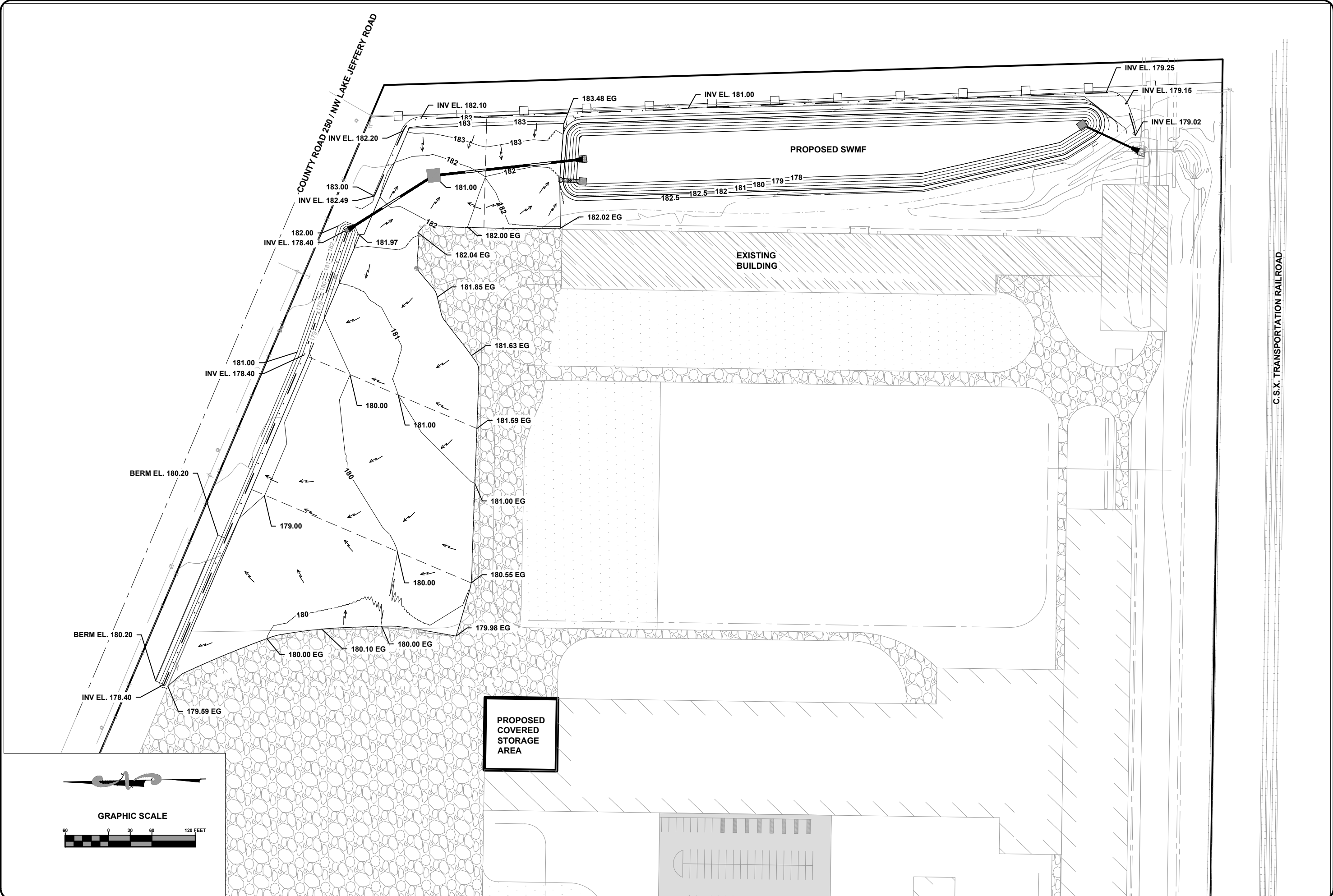
REVISIONS:

DESIGNED BY:	TH
DRAFTED BY:	JC
CHECKED BY:	TW
DATE:	03/18
ENGINEER OF RECORD:	TERRY R. WHITE
P.E. NO.:	37360

JOB NUMBER: L180314NMB

SHEET NO. C-5

File Location: X:\2018\180314\NMB\H.CADD\cNMB\grad\6 GRAD
Date Created: June 1, 2020 Date Plotted: June 1, 2020 Plotted by: Robert (JR) Davis
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GRADING PLAN

NEW MILLENNIUM BUILDING STORAGE YARD EXTENSION

LAKE CITY, FL

Revisions:

DESIGNED BY:	TH
DRAFTED BY:	JC
CHECKED BY:	TW
DATE:	03/18
ENGINEER OF RECORD:	TERRY R. WHITE
P.E. NO.:	37360

Job Number: **L180314NMB**

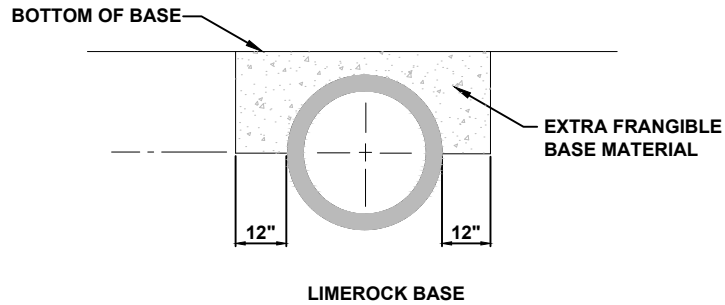
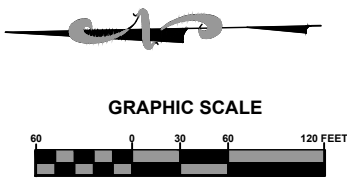
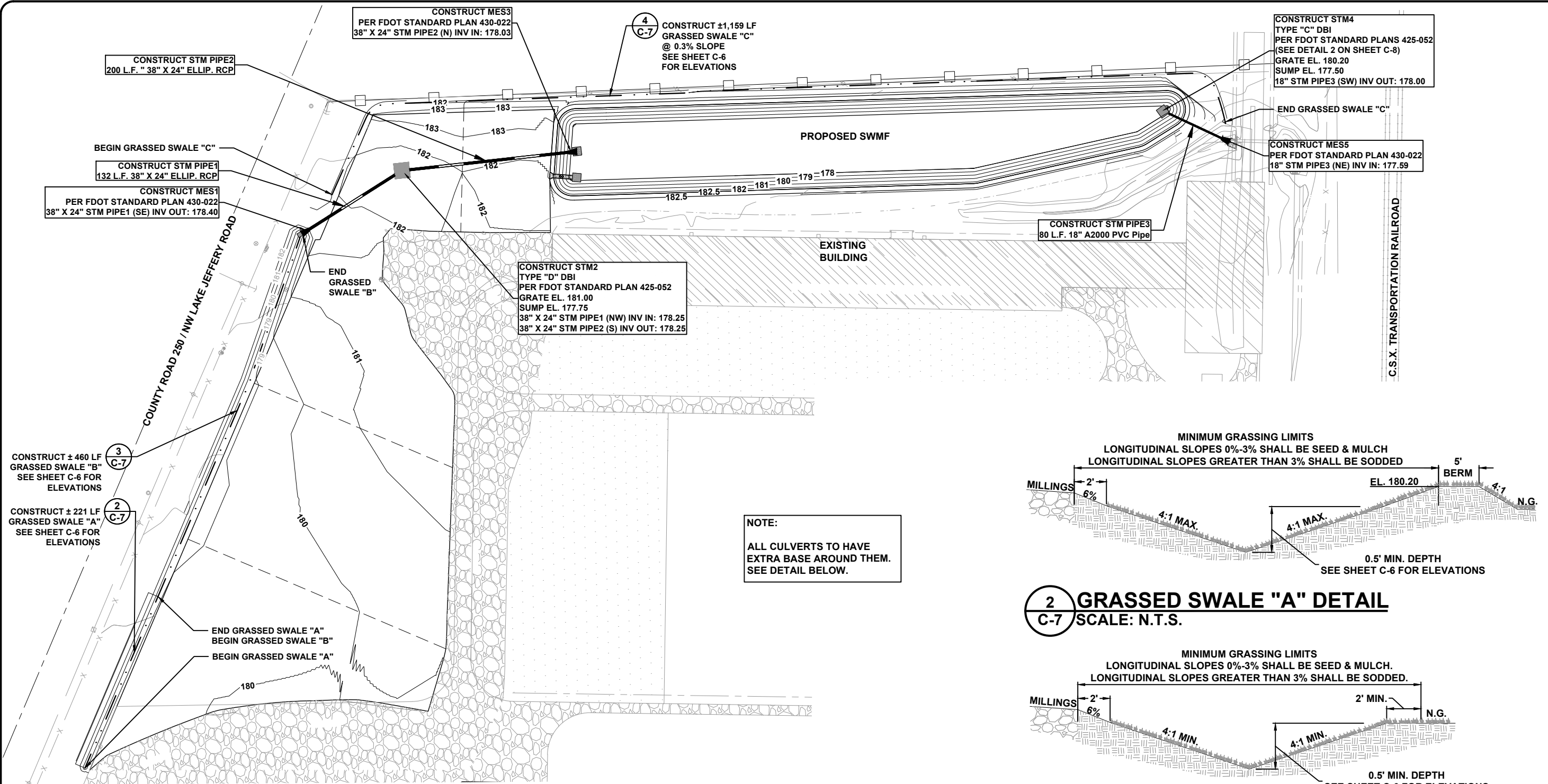
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North Florida Professional Services, Inc.

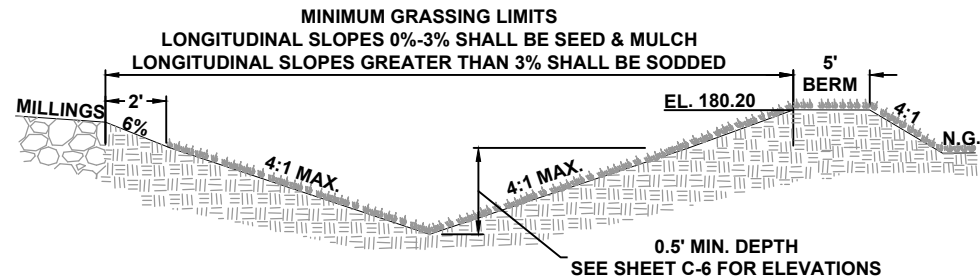
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Fax. 386-752-4674

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Tallahassee, FL 32318
Ph. 877-335-1525
Eng. Lic. 29011

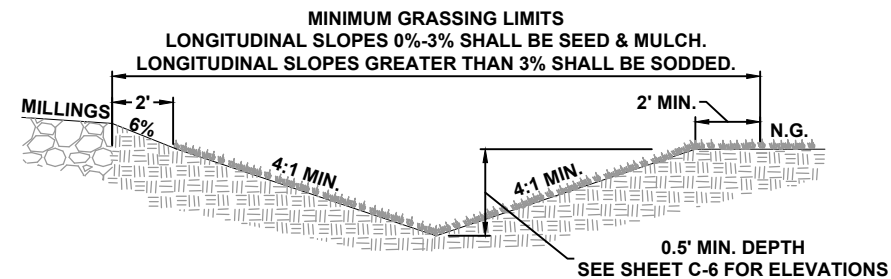
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Date Created: June 1, 2020
Date Plotted: June 1, 2020
Date Last Saved: June 1, 2020
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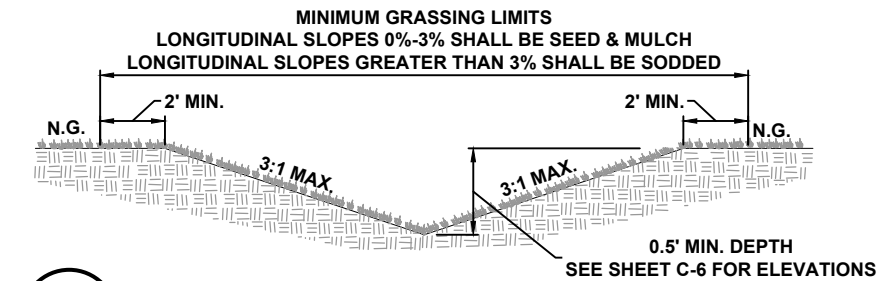
1
C-7 **EXTRA BASE FOR CULVERTS UNDER FLEXIBLE PAVEMENTS**
SCALE: N.T.S.



2
C-7 **GRASSED SWALE "A" DETAIL**
SCALE: N.T.S.



3
C-7 **GRASSED SWALE "B" DETAIL**
SCALE: N.T.S.



4
C-7 **GRASSED SWALE "C" DETAIL**
SCALE: N.T.S.

STORMWATER PLAN
NEW MILLENNIUM BUILDING STORAGE YARD EXTENSION
LAKE CITY, FL

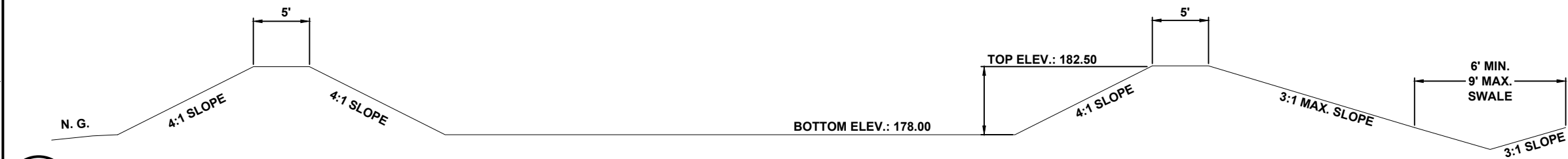
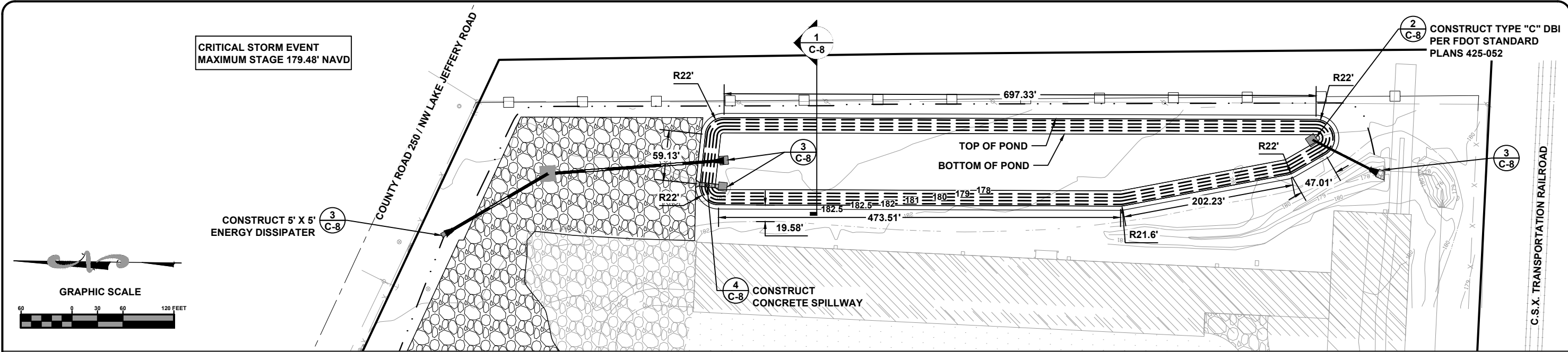
REVISIONS:

DESIGNED BY:	DRAFTED BY:	CHECKED BY:
TH	JC	TW
ENGINEER OF RECORD:		
TERRY R. WHITE		
P.E. NO.: 37360		
JOB NUMBER: L180314NMB		
DATE: 03/18		
SHEET NO.		
C-7		

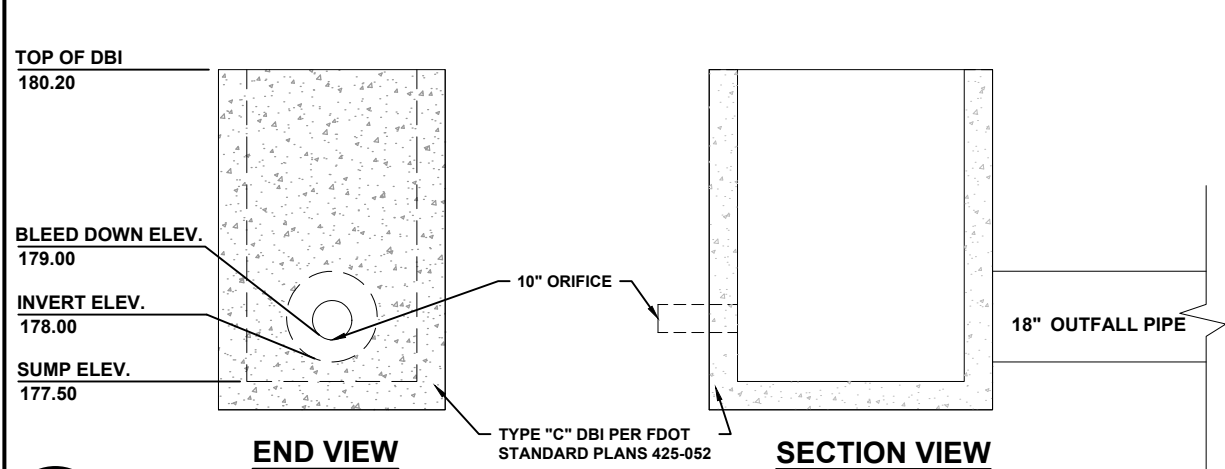
North Florida Professional Services, Inc.
P.O. BOX 3823
Lake City, FL 32025
Ph. 886-752-4675
Fax. 886-752-4674
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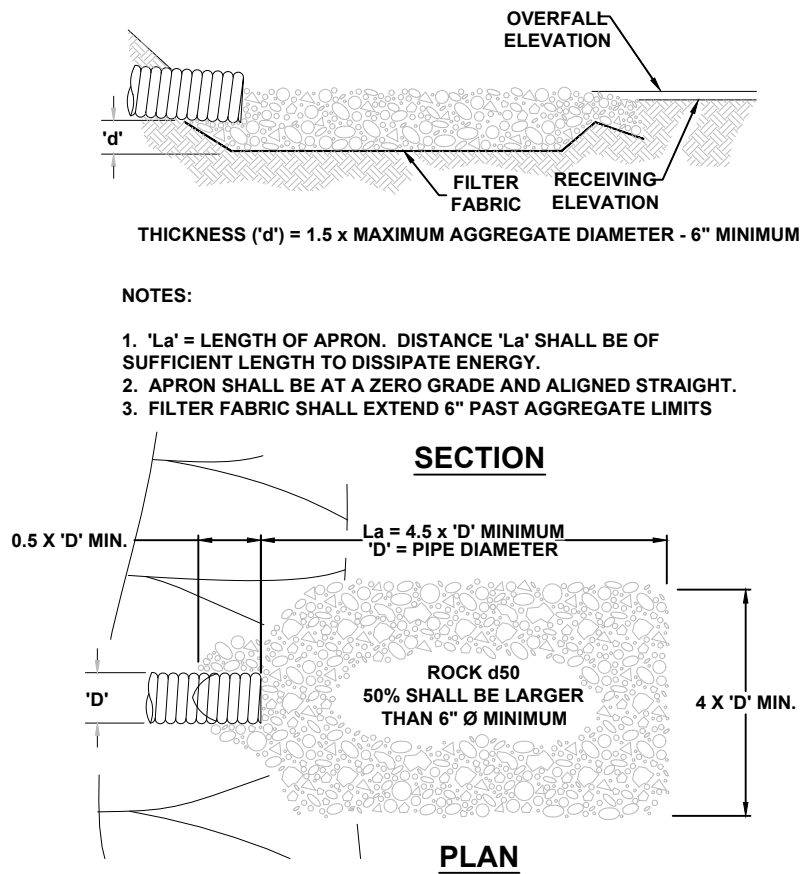
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Date Created: June 1, 2020
Date Plotted: June 1, 2020
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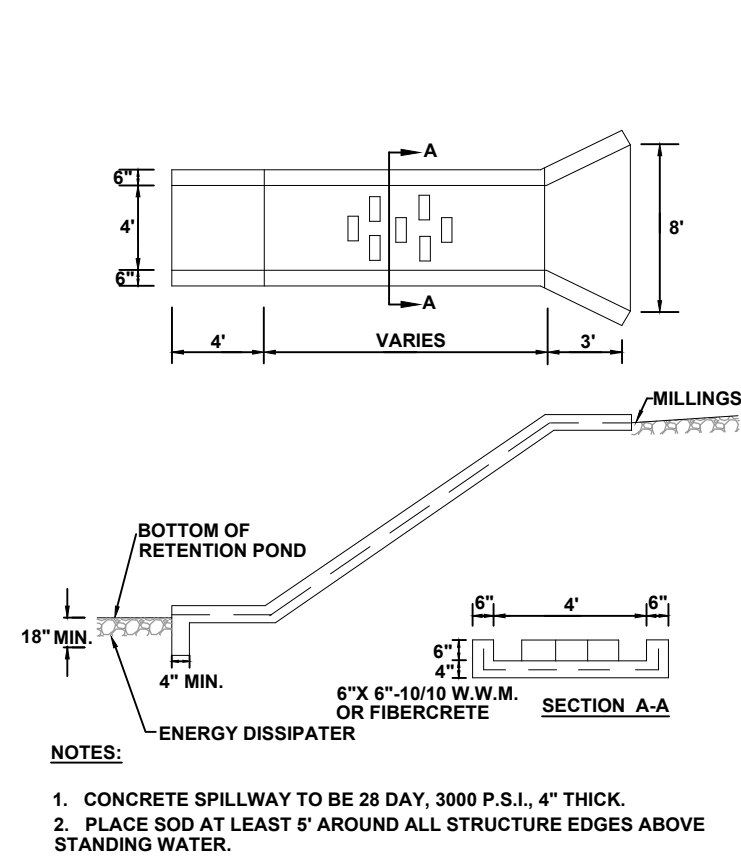
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C-8 SCALE: N.T.S.



2 OUTFALL INLET DETAIL
C-8 SCALE: N.T.S.

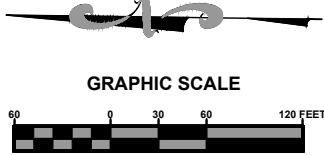


3 ENERGY DISSIPATER DETAIL
C-8 SCALE: N.T.S.



4 CONCRETE SPILLWAY DETAIL
C-8 SCALE: N.T.S.

File Location: X:\2018\180314\NMB\H.CADD\cNMBdsn\9 ERO PLAN
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CONSTRUCT ±1,912 LF
TYPE IV SILT FENCE

1
C-10

COUNTY ROAD 250 / NW LAKE JEFFERY ROAD

JOB NUMBER: L180314NMB
DESIGNED BY: TH
DATE: 03/18
ENGINEER OF RECORD:
TERRY R. WHITE
P.E. NO.: 37360

REVISIONS:

TH JC TW

SHEET NO.
C-9

EROSION CONTROL PLAN
NEW MILLENNIUM BUILDING STORAGE YARD EXTENSION
LAKE CITY, FL



North Florida Professional Services, Inc.
P.O. BOX 3823
Lake City, FL 32025
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Eng. Lic. 29011

EROSION CONTROL NOTES

- THIS EROSION AND SEDIMENTATION CONTROL PLAN COMPLIES WITH THE REQUIREMENTS OF THE "FLORIDA DEVELOPMENT MANUAL" AND THE "FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL".
- THE CONTRACTOR SHALL ADHERE TO COLUMBIA COUNTY, SRWMD, AND OTHER GOVERNING AUTHORITIES FOR EROSION AND SEDIMENT CONTROL REGULATIONS. IF THE CONTRACTOR NEEDS TO CHANGE THIS PLAN TO MORE EFFECTIVELY CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR SHALL USE BMP's FROM THE "FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL".
- THE CONTRACTOR SHALL ADJUST AND REVISE THIS PLAN TO MEET ACTUAL FIELD CONDITIONS. ANY REVISIONS SHALL BE APPROVED BY THE REVIEWING AGENCIES.
- SEDIMENT AND EROSION CONTROL FACILITIES, STORM DRAINAGE FACILITIES AND DETENTION BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
- EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL OF 0.5 INCHES OR GREATER, AND REPAIRED OR REPLACED AS NECESSARY.
- SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.
- ALL OPEN DRAINAGE SWALES SHALL BE GRASSED AND RIPRAP SHALL BE PLACED AS REQUIRED TO CONTROL EROSION.
- SILT FENCES SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING PROJECT LIMITS.
- CONTRACTOR SHALL PLACE A DOUBLE ROW OF SILT FENCE IN AREAS WHERE RUNOFF FROM DISTURBED AREAS MAY ENTER WETLANDS.
- DURING CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETE, ALL STRUCTURES SHALL BE CLEANED OF ALL DEBRIS AND EXCESS SEDIMENT.
- ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A TEMPORARY FAST-GROWING COVER AND/OR MULCH.
- A PAD OF RUBBLE RIP RAP SHALL BE PLACED AT THE BOTTOM OF ALL COLLECTION FLUMES AND COLLECTION PIPE OUTLETS. GRANITE OR LIMESTONE RIPRAP IS REQUIRED, NO BROKEN CONCRETE WILL BE ACCEPTED.
- ALL SIDE SLOPES STEEPER THAN 3:1 SHALL BE ADEQUATELY PROTECTED FROM EROSION THROUGH THE USE OF SYNTHETIC BALES OR SODDING.
- ALL STABILIZATION PRACTICES SHALL BE INITIATED AS SOON AS PRACTICABLE IN AREAS OF THE JOB WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY STOPPED, BUT IN NO CASE SHALL THE DISTURBED AREA BE LEFT UNPROTECTED FOR MORE THAN SEVEN DAYS.
- ALL WASTE GENERATED ON THE PROJECT SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY CONTRACTOR.
- LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPS.
- EXCESS DIRT SHALL BE REMOVED DAILY.
- THIS PROJECT SHALL COMPLY WITH ALL WATER QUALITY STANDARDS. PERMIT REQUIRED FROM SRWMD HAS BEEN OBTAINED.
- QUALIFIED PERSONNEL SHALL INSPECT THE AREA USED FOR STORAGE OF STOCKPILES, THE SILT FENCE AND STRAW BALES, THE LOCATION WHERE VEHICLES ENTER OR EXIT THE SITE, AND THE DISTURBED AREAS THAT HAVE NOT BEEN FINALLY STABILIZED, AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM OF 0.5 INCHES OR GREATER.
- SITES THAT HAVE BEEN FINALLY STABILIZED WITH SOD OR GRASSING SHALL BE INSPECTED AT LEAST ONCE EVERY WEEK.

