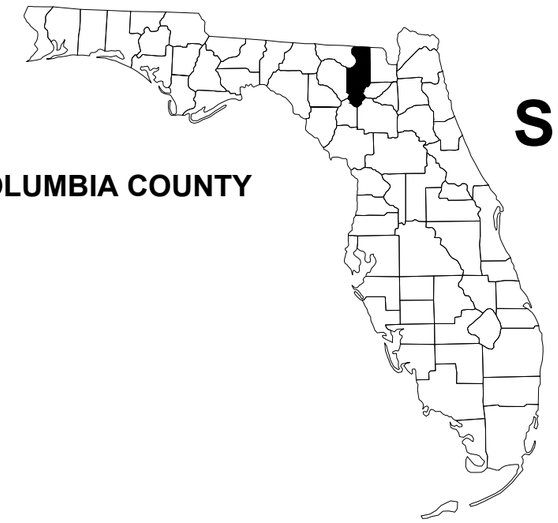
MINI STORAGE SITE EXPANSION 2
COLUMBIA COUNTY, FL
SECTION 18, TOWNSHIP 4S, RANGE 17E



PROJECT LOCATION

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PLANS PREPARED FOR:

MINI STORAGE & RECORD STORAGE OF LAKE CITY
442 SW SAINT MARGARET ST
LAKE CITY, FL 32025
386-752-7092

FOR COUNTY SUBMITTAL ONLY
NOT FOR CONSTRUCTION
1/9/20

GREGORY G. BAILEY LICENSE No. 43858 STATE OF FLORIDA PROFESSIONAL ENGINEER

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

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
GREGORY G. BAILEY, P.E. NO. 43858

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

North Florida Professional Services, Inc.
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P.O. BOX 180998 Tallahassee, FL 32316 Ph. 877-335-1525 Eng. Lic.29011

COVER SHEET

REVISIONS:

JOB NUMBER: L180115MIN
DESIGNED BY: KB | DRAFTED BY: KB | CHECKED BY: GB
ENGINEER OF RECORD: GREGORY G. BAILEY P.E. NO.:43858
DATE: 12/2019
SHEET NO. 1

File Location: X:\2018\L180115MIN\H.CADD\cMINdsgn01final_phase\1 COVER SHEET
Date Created: January 9, 2020 Date Last Saved: January 9, 2020 Date Plotted: January 9, 2020

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE TO INSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTENDED ON THE PLANS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE COLUMBIA COUNTY, FLORIDA (DEPARTMENT OF GROWTH MANAGEMENT) OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE WORK.

2. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS AS SET FORTH BY THE ISSUED SUWANNEE RIVER WATER MANAGEMENT DISTRICT ENVIRONMENTAL RESOURCE PERMIT.

3. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE IN A SECURE MANNER. ALL OPEN TRENCHES AND EXCAVATED AREAS SHALL BE PROTECTED FROM ACCESS BY THE GENERAL PUBLIC.

4. BOUNDARY INFORMATION SHOWN, WAS OBTAINED FROM A BOUNDARY SURVEY PREPARED BY BRITT SURVEYING.

5. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER.

6. THE SITE IS LOCATED IN SECTION 18, TOWNSHIP 4 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA.

7. THE CONTRACTOR SHALL IMPLEMENT ALL COMPONENTS OF THE EROSION AND SEDIMENTATION CONTROL PLAN PRIOR TO ANY EARTH DISTURBING ACTIVITIES. ALL COMPONENTS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL VEGETATION IS ESTABLISHED, THE ENTIRE PROJECT AREA IS STABILIZED AND THE OWNER HAS ACCEPTED OPERATION AND MAINTENANCE.

8. ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED WITH A MIXTURE OF LONG-TERM VEGETATION AND QUICK GROWING SHORT-TERM VEGETATION FOR THE FOLLOWING CONDITIONS. FOR THE MONTHS FROM SEPTEMBER THROUGH MARCH, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF WINTER RYE. FOR THE MONTHS OF APRIL THOUGH AUGUST, THE MIX SHALL CONSIST OF 70 PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF MILLET.

9. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. CONTRACTOR SHALL PROTECT ALL UTILITIES WITHIN THE PROJECT AREAS.

10. ALL SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE COLUMBIA COUNTY LAND DEVELOPMENT REGULATIONS.

11. CONTRACTOR SHALL REVIEW AND BECOME FAMILIAR WITH ALL REQUIRED UTILITY CONNECTIONS PRIOR TO BIDDING. CONTRACTOR SHALL PROVIDE ALL WORK AND MATERIALS REQUIRED TO COMPLETE CONNECTION TO THE EXISTING UTILITIES. THIS INCLUDES BUT IS NOT LIMITED TO MANHOLE CORING, WET TAPS, PAVEMENT REPAIRS AND DIRECTIONAL BORING.

12. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS WITHIN PROJECT AREA.

13. CONTRACTOR SHALL PROVIDE ACTUAL INVERT ELEVATIONS ON ALL DRAINAGE STRUCTURES, INCLUDING CULVERTS, PRIOR TO PLACING ANY BASE MATERIAL. DEVIATIONS FROM THE PLANS SHALL BE APPROVED BY THE ENGINEER BEFORE CONTINUING WORK.

14. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THE F.D.O.T. DESIGN STANDARDS (CURRENT EDITION), AWWA SPECIFICATIONS, AND COLUMBIA COUNTY DEVELOPMENT STANDARDS UNLESS OTHERWISE NOTED.

15. IF UNSUITABLE MATERIAL IS ENCOUNTERED DURING GRADING, CONTRACTOR SHALL REMOVE UNSUITABLE MATERIAL TO A DEPTH OF 24" BELOW FINISHED GRADE WITHIN THE CONSTRUCTION LIMITS.

16. THE CONTRACTOR SHALL NOTIFY THE COUNTY AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.

17. CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY MEETING THE REQUIREMENTS OF CHAPTER 61G17 F.A.C. FOR THE STORMWATER MANAGEMENT SYSTEMS. INCLUDE HORIZONTAL AND VERTICAL DIMENSIONAL DATA SO THAT IMPROVEMENTS ARE LOCATED AND DELINEATED RELATIVE TO THE BOUNDARY. PROVIDE SUFFICIENT DETAILED DATA TO DETERMINE WHETHER THE IMPROVEMENTS WERE CONSTRUCTED IN ACCORDANCE WITH THE PLANS. A COPY OF THE AS-BUILT SURVEY (IN PAPER AND DIGITAL AUTOCAD FORMAT) MUST BE SUBMITTED TO THE ENGINEER.

18. IF DURING CONSTRUCTION OR OPERATION OF THE STORM WATER MANAGEMENT SYSTEM, A STRUCTURAL FAILURE IS OBSERVED THAT HAS THE POTENTIAL TO CAUSE THE DIRECT DISCHARGE OF SURFACE WATER INTO THE FLORIDIAN AQUIFER SYSTEM, CORRECTIVE ACTIONS DESIGNED OR APPROVED BY A REGISTERED PROFESSIONAL SHALL BE TAKEN AS SOON AS PRACTICAL TO CORRECT THE FAILURE. A REPORT PREPARED BY A REGISTERED PROFESSIONAL MUST BE PROVIDED AS SOON AS PRACTICAL TO THE DEPARTMENT FOR REVIEW AND APPROVAL THAT PROVIDES REASONABLE ASSURANCE THAT THE BREACH WILL BE PERMANENTLY CORRECTED.

EROSION CONTROL NOTES

1. 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".

2. 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".

3. THE CONTRACTOR SHALL ADJUST AND REVISE THIS PLAN TO MEET ACTUAL FIELD CONDITIONS. ANY REVISIONS SHALL BE APPROVED BY THE REVIEWING AGENCIES.

4. SEDIMENT AND EROSION CONTROL FACILITIES, STORM DRAINAGE FACILITIES AND DETENTION BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.

5. EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL AND REPLACED AS NECESSARY.

6. SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.

7. ALL OPEN DRAINAGE SWALES SHALL BE GRASSED AND RIPRAP SHALL BE PLACED AS REQUIRED TO CONTROL EROSION.

8. SILT FENCES SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING PROJECT LIMITS.

9. CONTRACTOR SHALL PLACE A DOUBLE ROW OF SILT FENCE IN AREAS WHERE RUNOFF FROM DISTURBED AREAS MAY ENTER WETLANDS.

10. DURING CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETE, ALL STRUCTURES SHALL BE CLEANED OF ALL DEBRIS AND EXCESS SEDIMENT.

11. ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A TEMPORARY FAST-GROWING COVER AND/OR MULCH.

12. 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.

13. ALL SIDE SLOPES STEEPER THAN 3:1 SHALL BE ADEQUATELY PROTECTED FROM EROSION THROUGH THE USE OF HAY BALES OR SODDING.

14. 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.

15. ALL WASTE GENERATED ON THE PROJECT SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY CONTRACTOR.

16. LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPS.

17. EXCESS DIRT SHALL BE REMOVED DAILY.

18. THIS PROJECT SHALL COMPLY WITH ALL WATER QUALITY STANDARDS. PERMIT REQUIRED FROM SRWMD HAS BEEN OBTAINED.

19. 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.

20. SITES THAT HAVE BEEN FINALLY STABILIZED WITH SOD OR GRASSING SHALL BE INSPECTED AT LEAST ONCE EVERY WEEK.

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NOTES
MINI STORAGE SITE EXPANSION 2
COLUMBIA COUNTY, FL

REVISIONS:

JOB NUMBER: L180115MIN | DESIGNED BY: KB | DRAFTED BY: KB | CHECKED BY: GB
ENGINEER OF RECORD: GREGORY G. BAILEY P.E. NO.: 43838
DATE: 12/2019
SHEET NO. 2

File Location: X:\2018\L180115MIN\H.CADD\cMINdsgn01final_phase\2 NOTES Plotted by: Kellan Bailey
Date Created: January 9, 2020 Date Last Saved: January 9, 2020 Date Plotted: January 9, 2020
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File Location: X:\2018\L180115MIN\H.CADD\cMINdsgn01final_phase\3 EXISTING CONDITIONS
Date Created: January 9, 2020 Date Last Saved: January 9, 2020 Date Plotted: January 9, 2020 Plotted by: Kellan Bailey
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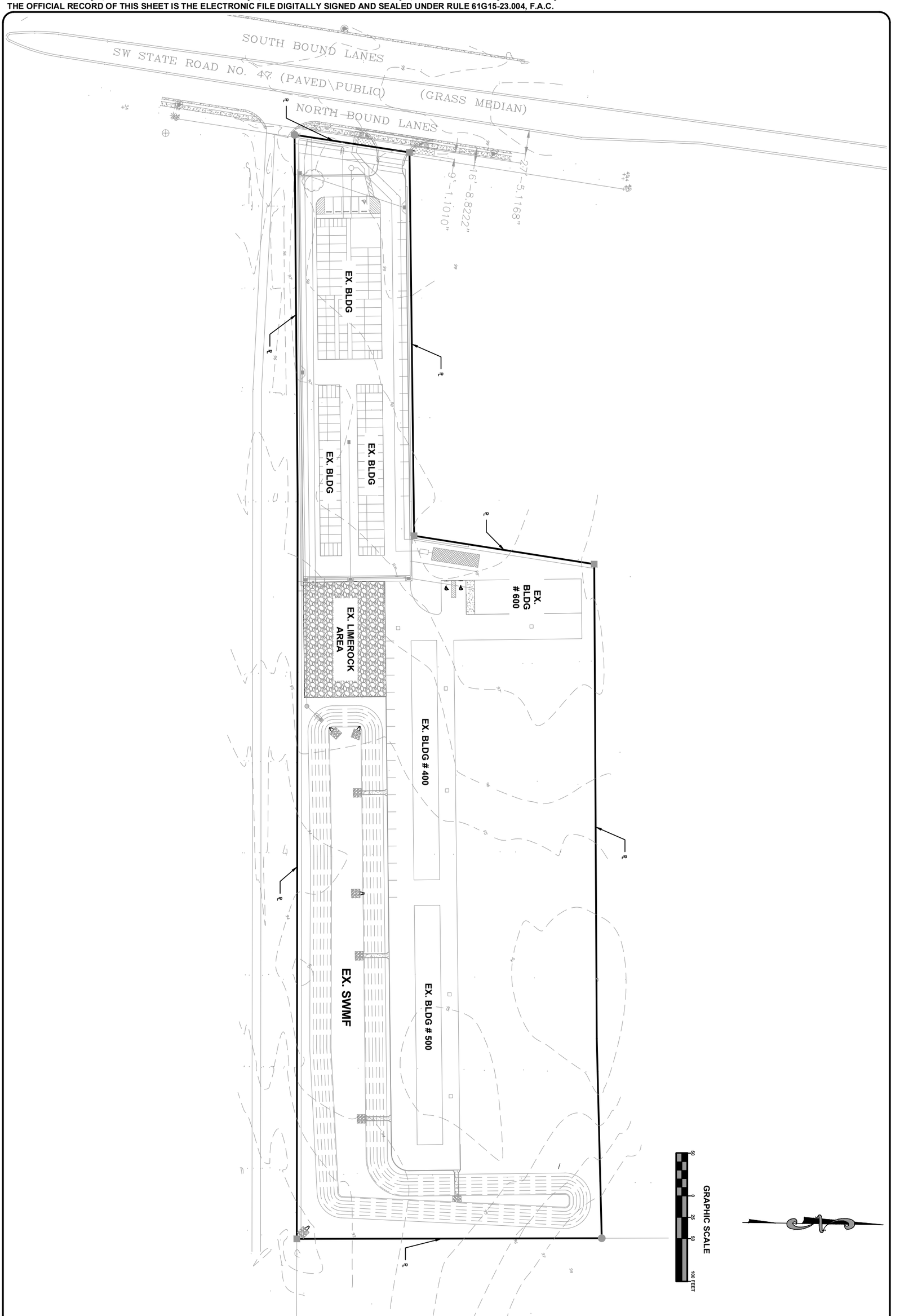

JOB NUMBER: L180115MIN			REVISIONS:
DESIGNED BY:	DRAFTED BY:	CHECKED BY:	
KB	KB	GB	
ENGINEER OF RECORD: GREGORY G. BAILEY P.E. NO.:43858			

SHEET NO. 3 OF 3

EXISTING CONDITIONS

MINI STORAGE SITE EXPANSION 2

COLUMBIA COUNTY, FL

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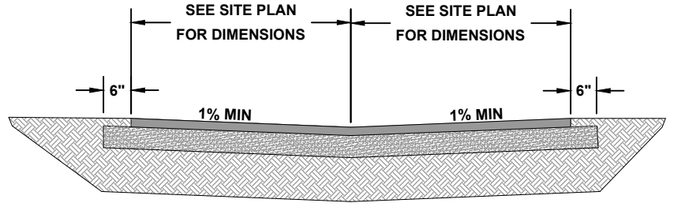
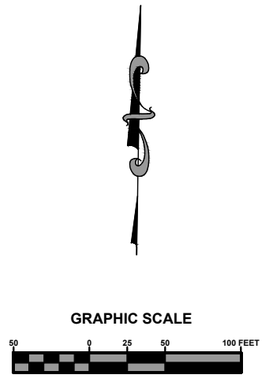
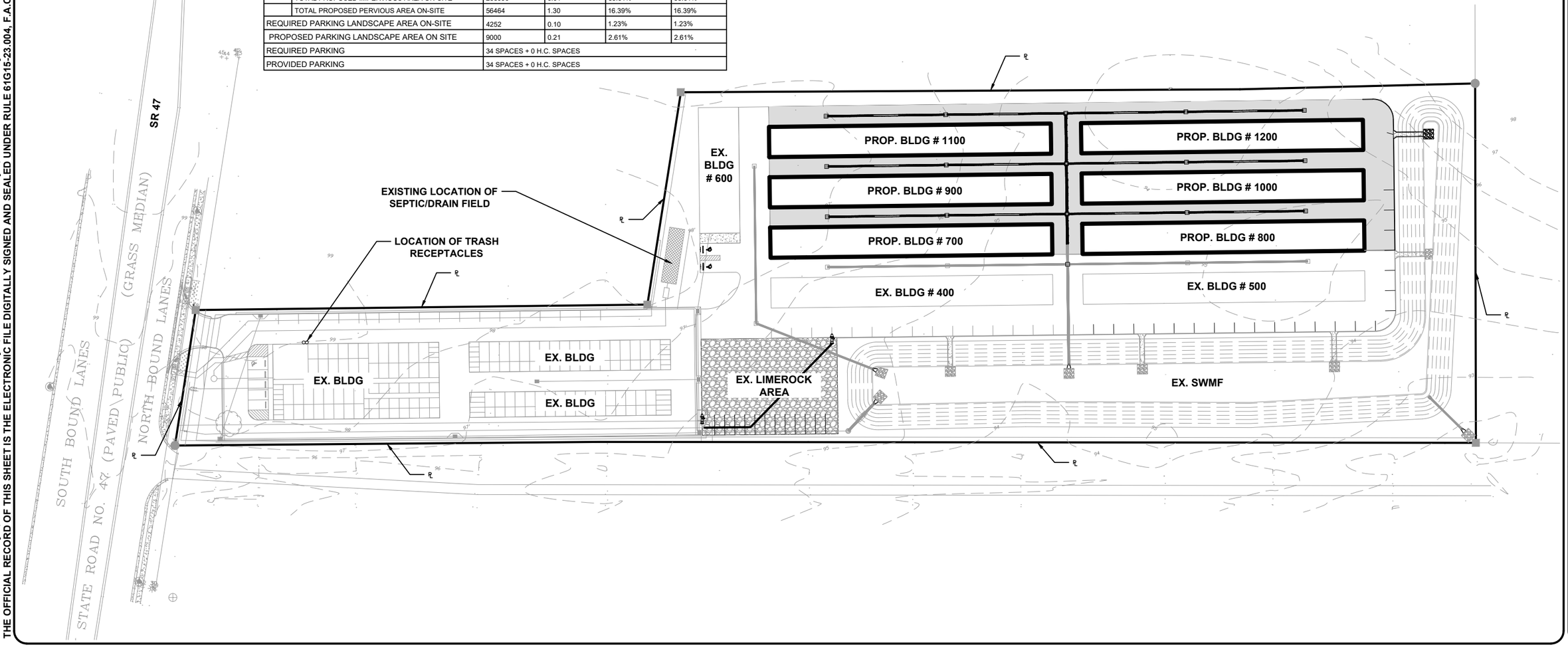
SITE DATA TABLE					
MINI STORAGE SITE EXPANSION					
PARCEL ID NUMBER	18-4S-17-08479-005				
ZONING	COMMERCIAL INTENSIVE				
LAND USE	COMMERCIAL				
CITY COUNCIL DISTRICT NUMBER	5				
PHYSICAL ADDRESS	2529 STATE ROAD 47				
PROJECT PROPERTY BOUNDARY		SQ. FT.	ACRES	% OF SITE	% OF LOC
	TOTAL PROPERTY BOUNDARY AREA	344560	7.91	100.00%	100.00%
PROJECT AREA / LIMITS OF CONSTRUCTION (LOC)		344560	7.91	100.00%	100.00%
BOTH ON-SITE & OFF-SITE		344560	7.91	100.00%	100.00%
EXISTING IMPERVIOUS AREA ON-SITE					
	EXISTING ASPHALT PAVEMENT	81102	1.86	23.54%	23.54%
	EXISTING CONCRETE	3356	0.08	0.97%	0.97%
	EXISTING BUILDING	45175	1.04	13.11%	13.11%
	EXISTING STORMWATER MANAGEMENT FACILITY	65308	1.50	18.95%	18.95%
	TOTAL EXISTING IMPERVIOUS AREA ON-SITE	194941	4.48	56.58%	56.58%
PROPOSED IMPERVIOUS AREA ON-SITE					
	EXISTING ASPHALT PAVEMENT TO REMAIN	81102	1.86	23.54%	23.54%
	EXISTING CONCRETE TO REMAIN	3356	0.08	0.97%	0.97%
	EXISTING BUILDING TO REMAIN	45175	1.04	13.11%	13.11%
	EXISTING STORMWATER MANAGEMENT FACILITY TO REMAIN	65308	1.50	18.95%	18.95%
	PROPOSED ASPHALT PAVEMENT	42515	0.98	12.34%	12.34%
	PROPOSED CONCRETE	240	0.01	0.07%	0.07%
	PROPOSED BUILDING	50400	1.16	14.63%	14.63%
	PROPOSED STORMWATER MANAGEMENT FACILITY	0	0.00	0.00%	0.00%
	TOTAL PROPOSED IMPERVIOUS AREA ON-SITE	288096	6.61	83.61%	83.61%
	TOTAL PROPOSED PERVIOUS AREA ON-SITE	56464	1.30	16.39%	16.39%
REQUIRED PARKING LANDSCAPE AREA ON-SITE		4252	0.10	1.23%	1.23%
PROPOSED PARKING LANDSCAPE AREA ON SITE		9000	0.21	2.61%	2.61%
REQUIRED PARKING		34 SPACES + 0 H.C. SPACES			
PROVIDED PARKING		34 SPACES + 0 H.C. SPACES			



PARKING APRON TYPICAL SECTION

2" TYPE SP 9.5 ASPHALTIC CONCRETE
6" LIMEROCK BASE COURSE
12" COMPACTED SUBGRADE
MINIMUM L.B.R. 40





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OVERALL SITE PLAN
MINI STORAGE SITE EXPANSION 2
COLUMBIA COUNTY, FL

REVISIONS:

JOB NUMBER: L180115MIN	DESIGNED BY: KB	DRAFTED BY: KB	CHECKED BY: GB

ENGINEER OF RECORD:
GREGORY G. BAILEY
P.E. NO.: 43838

DATE: 12/2019
SHEET NO. 4

File Location: X:\2018\L180115MINH.CADD\cMINdsgn01final_phase\4 OVERALL SITE PLAN Plotted by: Kellan Bailey
Date Created: January 9, 2020 Date Last Saved: January 9, 2020 Date Plotted: January 9, 2020
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GRAPHIC SCALE
30 0 15 30 60 FEET

EX. DRAINAGE SWALE
℄
END HEADER CURB CONSTRUCTION
R20'
EX. BLDG # 600
EX. EDGE OF PAVEMENT
PROP. BLDG # 1100 8400 SF
PROP. BLDG # 1200 8400 SF
PROP. BLDG # 900 8400 SF
PROP. BLDG # 1000 8400 SF
PROP. BLDG # 700 8400 SF
PROP. BLDG # 800 8400 SF
20' 280' 30' 30'
± 108 LF OF CURB SEE DETAIL # 3 ON SHEET 10
BEGIN HEADER CURB CONSTRUCTION
EX. EDGE OF PAVEMENT
EX. BLDG # 400
EX. BLDG # 500
CONTRACTOR SHALL REMOVE ±30' OF HEADER CURB
PLACE RELOCATED FIRE HYDRANT SEE DETAIL # 6 ON SHEET 10
35'
130'
EX. LIMEROCK AREA
CONTRACTOR SHALL USE CAUTION CROSSING OVER EXISTING STORM PIPE
EX. SWMF
CONTRACTOR SHALL RELOCATE EXISTING FIRE HYDRANT & CAP LEAD
CONST. ± 116 LF OF 6" AWWA C-900
CONTRACTOR SHALL REMOVE CAP & EXTEND WATER LINE
CONST. MJDI 45° BEND
CONST. ± 46 LF OF 6" AWWA C-900
10' 20'

File Location: X:\2018\L180115MIN\H.CADD\cMINdsgn01final_phase\5 SITE PLAN
Date Created: January 9, 2020 Date Last Saved: January 9, 2020 Date Plotted: January 9, 2020 Plotted by: Kellan Bailey
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SITE PLAN
MINI STORAGE SITE EXPANSION 2
COLUMBIA COUNTY, FL

REVISIONS:

JOB NUMBER: L180115MIN
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ENGINEER OF RECORD: GREGORY G. BAILEY P.E. NO.: 43858
DATE: 12/2019
SHEET NO. 5

NOTE:

ALL STORMWATER PIPES SHALL BE A2000 PVC OR EQUIVALENT.

CONSTRUCT STM STRC 13
TYPE "C" DBI
FDOT STANDARD PLANS 425-032
GRATE EL. 96.60
SUMP EL. 93.10
18" PVC PIPE (E) INV OUT:93.60

CONSTRUCT STM STRC 12
TYPE "C" DBI
FDOT STANDARD PLANS 425-032
GRATE EL. 96.60
SUMP EL. 92.86
18" PVC PIPE (W) INV IN:93.46
18" PVC PIPE (E) INV OUT:93.36

CONSTRUCT STM STRC 11
TYPE "C" DBI
FDOT STANDARD PLANS 425-032
GRATE EL. 96.60
SUMP EL. 92.51
18" PVC PIPE (W) INV IN:93.11
18" PVC PIPE (E) INV IN:93.21
24" PVC PIPE (S) INV OUT:93.01

CONSTRUCT STM STRC 6
TYPE "C" DBI
FDOT STANDARD PLANS 425-032
GRATE EL. 96.60
SUMP EL. 92.15
18" PVC PIPE (W) INV IN:92.75
18" PVC PIPE (E) INV IN:92.85
24" PVC PIPE (N) INV IN:92.95
24" PVC PIPE (S) INV OUT:92.65

CONSTRUCT STM STRC 14
TYPE "C" DBI
FDOT STANDARD PLANS 425-032
GRATE EL. 96.60
SUMP EL. 92.86
18" PVC PIPE (E) INV IN:93.46
18" PVC PIPE (W) INV OUT:93.36

CONSTRUCT STM STRC 15
TYPE "C" DBI
FDOT STANDARD PLANS 425-032
GRATE EL. 96.60
SUMP EL. 93.10
18" PVC PIPE (W) INV OUT:93.60

CONSTRUCT STM PIPE 13
119 L.F. 18" PVC Pipe

CONSTRUCT STM PIPE 12
119 L.F. 18" PVC Pipe

CONSTRUCT STM PIPE 14
119 L.F. 18" PVC Pipe

CONSTRUCT STM PIPE 15
118 L.F. 18" PVC Pipe

CONSTRUCT STM STRC 8
TYPE "C" DBI
FDOT STANDARD PLANS 425-032
GRATE EL. 96.60
SUMP EL. 93.10
18" PVC PIPE (E) INV OUT:93.60

CONSTRUCT STM STRC 10
TYPE "C" DBI
FDOT STANDARD PLANS 425-032
GRATE EL. 96.60
SUMP EL. 93.10
18" PVC PIPE (W) INV OUT:93.60

CONSTRUCT STM PIPE 8
119 L.F. 18" PVC Pipe

CONSTRUCT STM PIPE 11
50 L.F. 24" PVC Pipe

CONSTRUCT STM PIPE 9
119 L.F. 18" PVC Pipe

CONSTRUCT STM PIPE 10
118 L.F. 18" PVC Pipe

CONSTRUCT STM PIPE 4
20 L.F. 24" A2000 PVC PIPE OR EQUIV.

EX. BLDG # 600

CONSTRUCT STM STRC 7
TYPE "C" DBI
FDOT STANDARD PLANS 425-032
GRATE EL. 96.60
SUMP EL. 92.86
18" PVC PIPE (W) INV IN:93.46
18" PVC PIPE (E) INV OUT:93.36

CONSTRUCT STM PIPE 7
119 L.F. 18" PVC Pipe

CONSTRUCT STM PIPE 6
50 L.F. 24" PVC Pipe

CONSTRUCT STM STRC 9
TYPE "C" DBI
FDOT STANDARD PLANS 425-032
GRATE EL. 96.60
SUMP EL. 92.86
18" PVC PIPE (E) INV IN:93.46
18" PVC PIPE (W) INV OUT:93.36

CONSTRUCT CONCRETE SPILLWAY
SEE DETAIL # 4 ON SHEET 10

CONSTRUCT STM PIPE 3
119 L.F. 18" PVC Pipe

CONSTRUCT STM PIPE 2
119 L.F. 18" PVC Pipe

CONSTRUCT STM PIPE 4
119 L.F. 18" PVC Pipe

CONSTRUCT STM PIPE 5
118 L.F. 18" PVC Pipe

CONSTRUCT STM STRC 5
TYPE "C" DBI
FDOT STANDARD PLANS 425-032
GRATE EL. 96.60
SUMP EL. 93.10
18" PVC PIPE (W) INV OUT:93.60

CONSTRUCT STM STRC 3
TYPE "C" DBI
FDOT STANDARD PLANS 425-032
GRATE EL. 96.60
SUMP EL. 93.10
18" PVC PIPE (E) INV OUT:93.60

CONSTRUCT STM STRC 2
TYPE "C" DBI
FDOT STANDARD PLANS 425-032
GRATE EL. 96.60
SUMP EL. 92.86
18" PVC PIPE (W) INV IN:93.46
18" PVC PIPE (E) INV OUT:93.36

CONSTRUCT STM PIPE 1
30 L.F. 24" PVC Pipe

CONSTRUCT STM STRC 1
TYPE "C" DBI
FDOT STANDARD PLANS 425-032
GRATE EL. 96.60
SUMP EL. 90.02
18" PVC PIPE (W) INV IN:90.62
24" PVC PIPE (N) INV IN:90.82
18" PVC PIPE (E) INV IN:90.72
24" PVC PIPE (S) INV OUT:90.52

CONSTRUCT STM STRC 4
TYPE "C" DBI
FDOT STANDARD PLANS 425-032
GRATE EL. 96.60
SUMP EL. 92.86
18" PVC PIPE (E) INV IN:93.46
18" PVC PIPE (W) INV OUT:93.36

EX. BLDG # 400

EX. BLDG # 500

CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF EXISTING PIPE & CONNECT TO EXISTING PIPE.

EX. LIMEROCK AREA

EX. SWMF

GRAPHIC SCALE
30 0 15 30 60 FEET

1
10

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STORMWATER PLAN
MINI STORAGE SITE EXPANSION 2
COLUMBIA COUNTY, FL

REVISIONS:

JOB NUMBER: L180115MIN
DESIGNED BY: KB | DRAFTED BY: KB | CHECKED BY: GB
ENGINEER OF RECORD: GREGORY G. BAILEY P.E. NO.: 43858
DATE: 12/2019
SHEET NO. 6

File Location: X:\2018\L180115MIN\H.CADD\cMINdsgn01final_phase\6 STORMWATER PLAN
Date Created: January 9, 2020 Date Last Saved: January 9, 2020 Date Plotted: January 9, 2020
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Plotted by: Kellan Bailey

*** CONTRACTOR SHALL VERIFY EXISTING PAVEMENT ELEVATION ALONG BUILDING PERIMETER. ACTUAL FFE SHALL BE ADJUSTED TO PROVIDE 0.06' - 0.10' LIP.**

TC = TOP OF CURB
EP = EDGE OF PAVEMENT
→ = FLOW ARROW

GRAPHIC SCALE
30 0 15 30 60 FEET

EX. DRAINAGE SWALE

CONTRACTOR SHALL GRADE DOWN TO PROPERTY LINE AT A MAX OF 4:1 SLOPE.

PROP BLDG # 1100
8400 SF
F.F.E 97.3

PROP BLDG # 1200
8400 SF
F.F.E 97.3

PROP BLDG # 900
8400 SF
F.F.E 97.3

PROP BLDG # 1000
8400 SF
F.F.E 97.3

PROP BLDG # 700
8400 SF
F.F.E 97.3

PROP BLDG # 800
8400 SF
F.F.E 97.3

EX. BLDG # 600

EX. BLDG # 400

EX. BLDG # 500

EX. LIMEROCK AREA

EX. SWMF

97.70 TC
97.20 EP

97.19 TC
96.69 EP

97.05 TC
96.55 EP

97.05 TC
96.55 EP

97.70 TC
97.20 EP

97.19 TC
96.69 EP

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

GRADING PLAN
MINI STORAGE SITE EXPANSION 2
COLUMBIA COUNTY, FL

REVISIONS:

JOB NUMBER: L180115MIN
DESIGNED BY: KB | DRAFTED BY: KB | CHECKED BY: GB
ENGINEER OF RECORD: GREGORY G. BAILEY P.E. NO.: 43858
DATE: 12/2019
SHEET NO. 7

File Location: X:\2018\L180115MIN\H.CADD\cMINdsgn01final_phase\7 GRADING PLAN
Date Created: January 9, 2020 Date Last Saved: January 9, 2020 Date Plotted: January 9, 2020 Plotted by: Kellan Bailey
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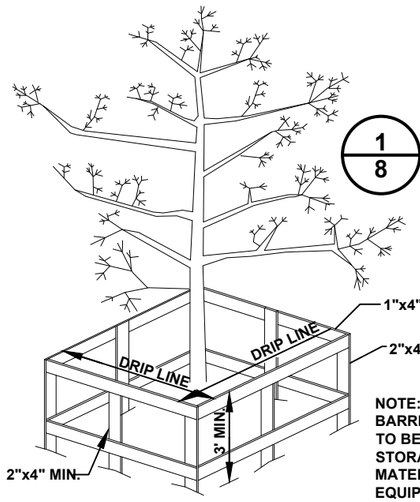

NOTE: AREA WITHIN BARRICADE IS NOT TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT

1/8 TREE BARICADE DETAIL
SCALE: N.T.S.

TREE AND SHRUBBERY REQUIREMENTS

MAP SYMBOL	COMMON NAME	SCIENTIFIC NAME	NO.	NOTES
	SOD/GRASS	- -	- -	
	CREPE MYRTLE	LAGERSTROEMIA	5	
	SWEET VIBURNUM	VIBURNUM ODORATISSIMUM	141	

GRAPHIC SCALE
30 0 15 30 60 FEET

LANDSCAPE REQUIREMENTS

REQUIRED OFF STREET LANDSCAPE AREA = 4,252 SF
PROPOSED OFF STREET LANDSCAPE AREA = 9,000 SF

REQUIRED # OF 4' TREES = 1/200 SF REQUIRED
LANDSCAPED AREA 4,252 SF / 200 = 22 TREES
TREES PROVIDED = 146

CONTRACTOR SHALL CONSTRUCT ± 700 LF OF PRIVACY FENCE IN ACCORDANCE WITH SECTION 4.2.13.2 OF THE COLUMBIA COUNTY LAND DEVELOPMENT REGULATIONS.

PROP. BLDG # 1100
PROP. BLDG # 1200
PROP. BLDG # 900
PROP. BLDG # 1000
PROP. BLDG # 700
PROP. BLDG # 800
EX. BLDG # 400
EX. BLDG # 500
EX. BLDG # 600
EX. LIMEROCK AREA
EX. SWMF

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LANDSCAPE PLAN
MINI STORAGE SITE EXPANSION 2
COLUMBIA COUNTY, FL

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ENGINEER OF RECORD: GREGORY G. BAILEY P.E. NO.: 43838
DATE: 12/2019
SHEET NO. 8

File Location: X:\2018\L180115MINH.CADD\cMINdsgn01final_phase\8 LANDSCAPE PLAN Plotted by: Kellan Bailey
Date Created: January 9, 2020 Date Last Saved: January 9, 2020 Date Plotted: January 9, 2020
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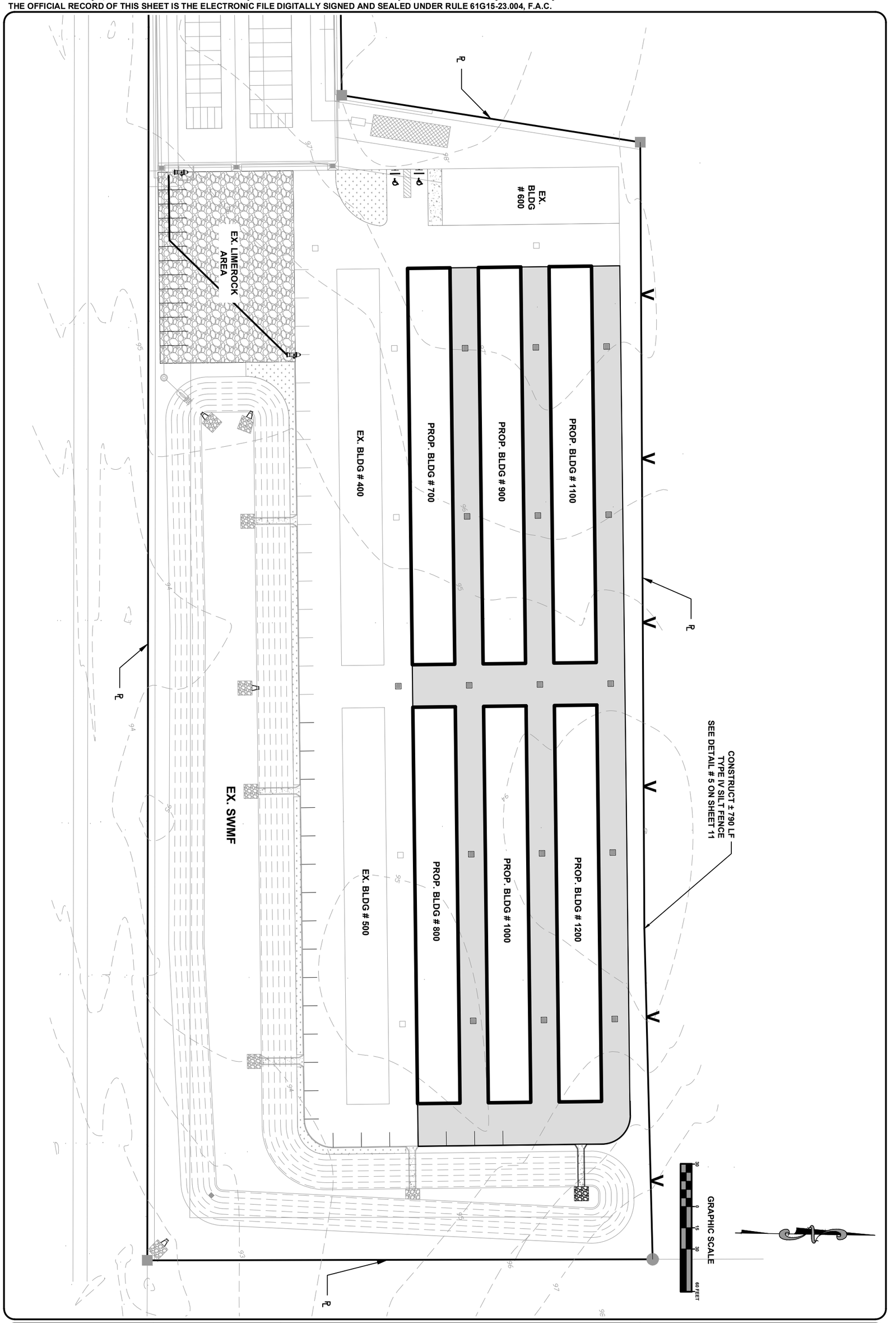
File Location: X:\2018\L180115MIN\H.CADD\cMINdsgn01final_phase\9 EROSION CONTROL PLAN
Date Created: January 9, 2020 Date Last Saved: January 9, 2020 Date Plotted: January 9, 2020 Plotted by: Kellan Bailey
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



JOB NUMBER: L180115MIN			REVISIONS:
DESIGNED BY:	DRAFTED BY:	CHECKED BY:	
KB	KB	GB	
ENGINEER OF RECORD: GREGORY G. BAILEY P.E. NO.:43858			

DATE: 1/9/2020
SHEET NO. 9

EROSION CONTROL PLAN

MINI STORAGE SITE EXPANSION 2

COLUMBIA COUNTY, FL

North Florida Professional Services, Inc.

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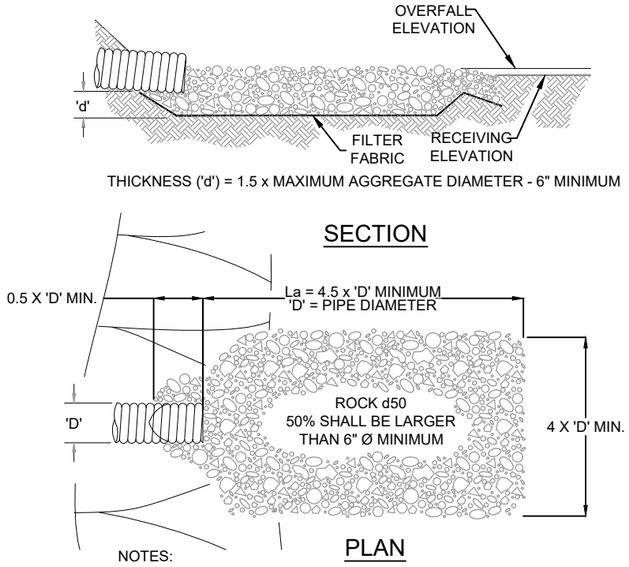
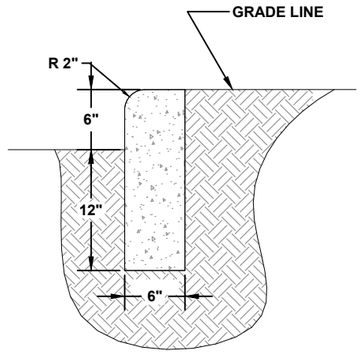


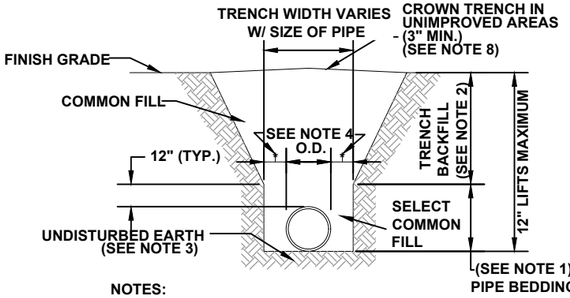
1. 'La' = LENGTH OF APRON. DISTANCE 'La' SHALL BE OF SUFFICIENT LENGTH TO DISSIPATE ENERGY.
2. APRON SHALL BE AT A ZERO GRADE AND ALIGNED STRAIGHT.
3. FILTER FABRIC SHALL EXTEND 6" PAST AGGREGATE LIMITS

1/10 ENERGY DISSIPATER DETAIL
SCALE:N.T.S.

NOTES:
1. MINIMUM 28 DAY COMPRESSIVE STRENGTH SHALL BE 3,000 PSI
2. PROVIDE 1/8"-1/4" CONTRACTION JOINTS AT 10' CENTERS MAXIMUM.

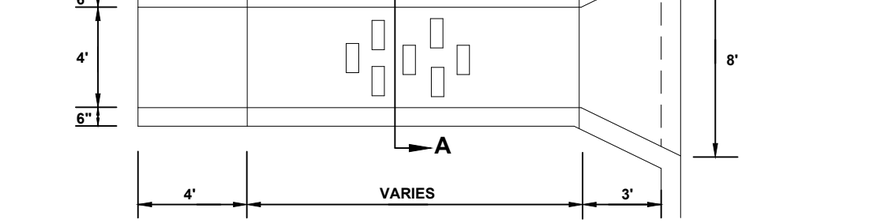


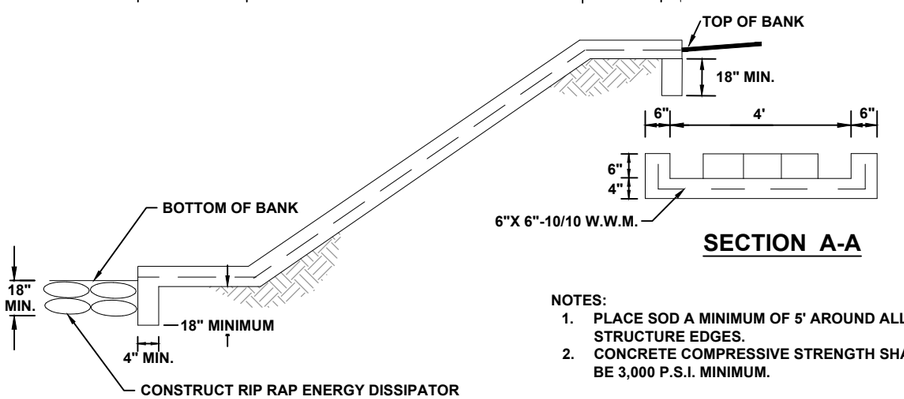
2/10 HEADER CURB DETAIL
SCALE:N.T.S.



NOTES:
1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. PIPE BEDDING UTILLIZING SELECT COMMON FILL OR BEDDING ROCK WILL BE REQUIRED IFOVER-EXCAVATION OCCURS.
4. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. PROVIDE TRENCH SLOPING AND BRACING AS REQUIRED FOR SAFETY.
8. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN PAVED AREAS SHALL COMPLY WITH THE REQUUIREMENTS OF THE ROAD CONSTRUCTION SPECIFICATIONS.

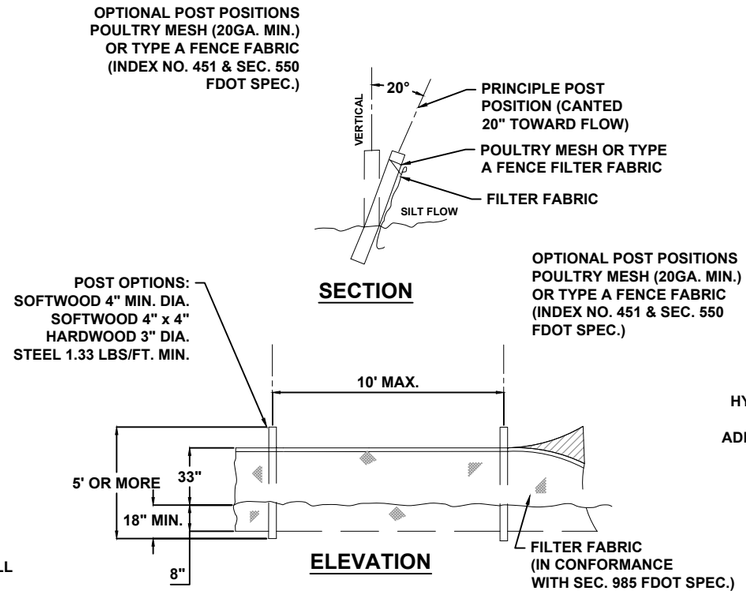
3/10 TRENCH AND BACKFILL DETAILS
SCALE: N.T.S.



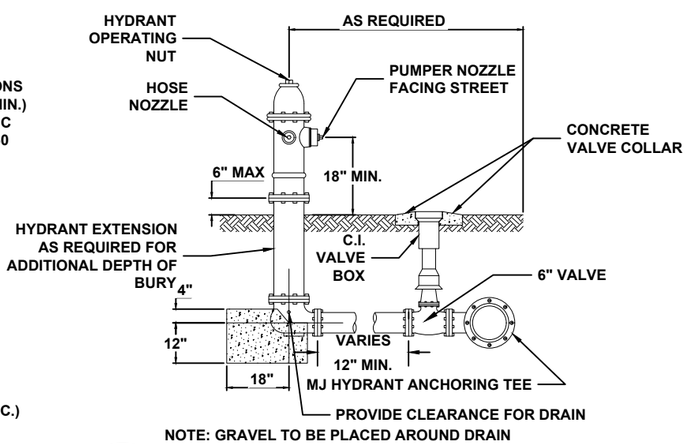


NOTES:
1. PLACE SOD A MINIMUM OF 5' AROUND ALL STRUCTURE EDGES.
2. CONCRETE COMPRESSIVE STRENGTH SHALL BE 3,000 P.S.I. MINIMUM.

4/10 CONCRETE SPILLWAY DETAIL
SCALE: N.T.S.



5/10 TYPE IV SILT FENCE
SCALE: N.T.S.



NOTE: GRAVEL TO BE PLACED AROUND DRAIN

6/10 FIRE HYDRANT ASSEMBLY
SCALE: N.T.S.

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MISC. DETAILS
MINI STORAGE SITE EXPANSION 2
COLUMBIA COUNTY, FL

REVISIONS:

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ENGINEER OF RECORD: GREGORY G. BAILEY P.E. NO.: 43858
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File Location: X:\2018\L180115MIN\H.CADD\cMINdsgn01final_phase\10 MISC. DETAILS Plotted by: Kellan Bailey
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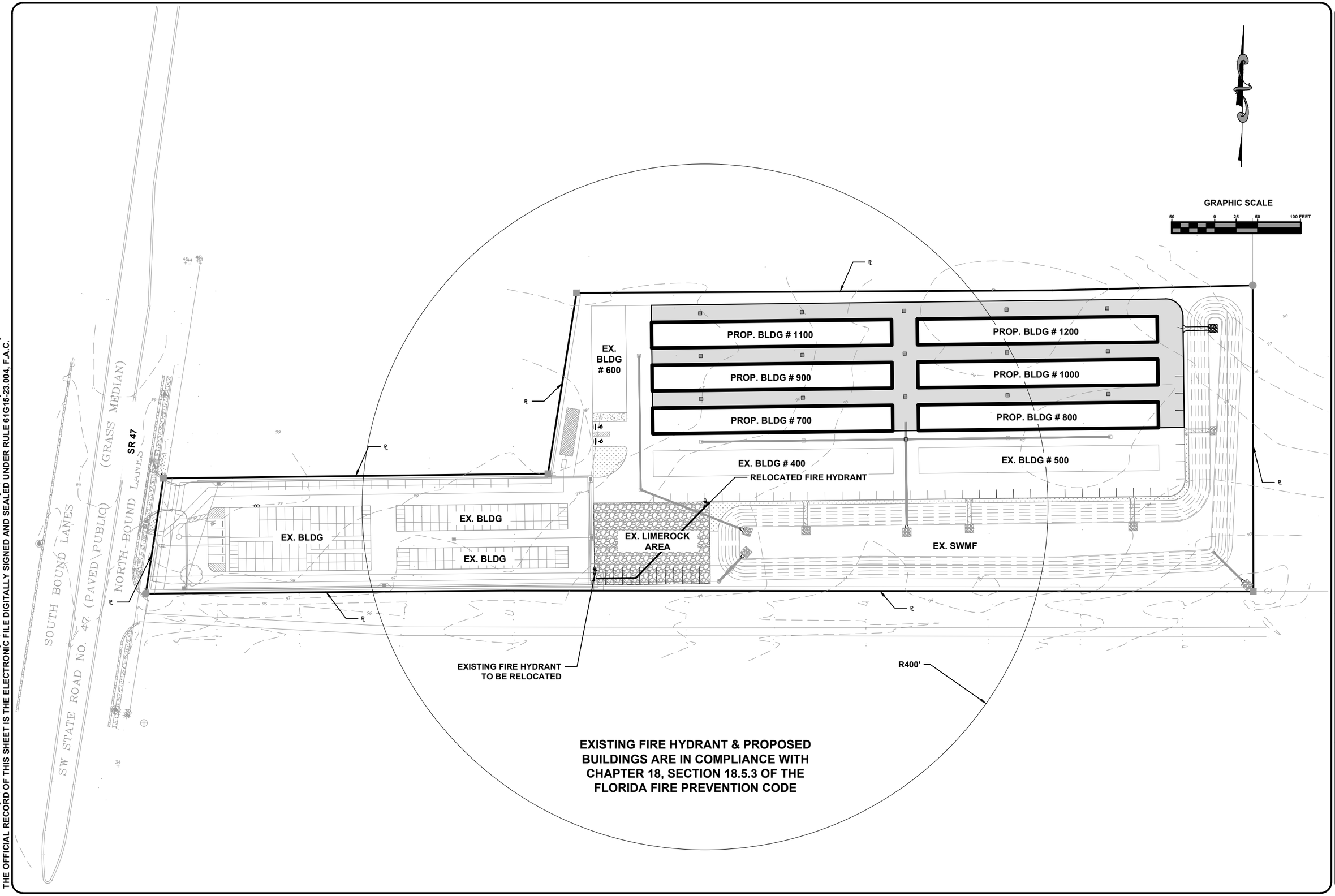

EXISTING FIRE HYDRANT & PROPOSED BUILDINGS ARE IN COMPLIANCE WITH CHAPTER 18, SECTION 18.5.3 OF THE FLORIDA FIRE PREVENTION CODE

FIRE DEPARTMENT PLAN

MINI STORAGE SITE EXPANSION 2

COLUMBIA COUNTY, FL

North Florida Professional Services, Inc.
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DATE: 12/2019
SHEET NO. 1

Plotted by: Kellan Bailey
File Location: X:\2018\L180115MINH.CADD\cMINdsgn01final_phase\1 FIRE DEPARTMENT PLAN
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