FOR COLUMBIA COUNTY SUBMITTAL ONLY NOT FOR CONSTRUCTION COLUMBIA COUNTY SITE PLAN D **SECTION 19, TOWNSHIP 3 SOUTH, RANGE 17 EAST** PROJECT LOCATION-AND CHA

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LANDSCAPE PLAN
EROSION CONTROL PLAN

MISC. DETAILS MISC. DETAILS

MISC. DETAILS

STORMWATER PLAN
GRADING PLAN

Fowler NW Farly St

PLANS PREPARED FOR:

**ANDERSON COLUMBIA 871 NW GUERDON ST** LAKE CITY, FL 32055 386-623-0454



L47-5

COVER SHEET
GENERAL & EROSION NOTES
EXISTING CONDTIONS **Sheet Title** Sheet Number 

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3

DEMO PLAN OVERALL SITE PLAN

UTILITY PLAN



JOB NUMBER: L180111AND DESIGNED BY: DRAFTED BY: CHECKED BY:

AF KB GB
ENGINEER OF RECORD:
GREGORY G. BAILEY
P.E. NO.: 43858

**COVER SHEET** 



PAPROVE

North Florida Professional Services, Inc. P.O. BOX 3823 P.O. BOX 180998 Lake City, FL 32025 Tallahassee, FL 32318 Ph. 877-335-1525 Ph. 386-752-4675 Eng. Lic.29011 Fax. 386-752-4874

ANDERSON COLUMBIA, LAKE CITY OFFICE

COLUMBIA COUNTY, FL

- 1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE TO ENSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTERNOED ON THE PLANS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE CITY OF LAKE CITY, FLORIDA (DEPARTMENT OF GROWTH MANAGEMENT) OF SUCH DIFFERENCES IMMEDIATELY AND THAT AND THE CITY OF LAKE CITY, FLORIDA (DEPARTMENT OF GROWTH MANAGEMENT) OF SUCH DIFFERENCES IMMEDIATELY AND
- 2. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS AS SET FORTH BY THE ISSUED COLUMBIA COUNTY SITE PLAN PERMIT AND THE CITY OF LAKE CITY UTILITY CONNECTION 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.
- FLORIDA CERTIFICATE NO. 4708. BOUNDARY INFORMATION SHOWN, WAS OBTAINED FROM BOUNDARY SURVEY PREPARED BY MARK D. DUREN,
- 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 19, TOWNSHIP 3 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. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED.

10. 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.

11.ALL UTILITY CONSTRUCTION SHALL MEET THE CITY OF LAKE CITY WATER AND WASTEWATER UTILITY STANDARDS, AVAILABLE FROM CITY HALL OR PUBLIC WORKS.

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

13.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.

14.GONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS WITHIN PROJECT AREA.

15.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

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

17.A PRE-CONSTRUCTION MEETING WITH THE CITY OF LAKE CITY UTILITY PROJECT INSPECTOR IS REQUIRED PRIOR TO BEGINNING CONSTRUCTION.

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

19. THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.

20.THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST 48 HOURS IN ADVANCE OF THE PRESSURE AND LEAKAGE TESTS.

21.NO FINAL TESTING OR PRESSURE TESTING WILL BE ACCEPTED UNLESS WITNESSED BY THE CITY'S

22. CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY MEETING THE REQUIREMENTS OF CHAPTER \$1G17 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 CITY OF LAKE CITY, FLORIDA (DEPARTMENT OF GROWTH MANAGEMENT) AND THE FLORIDA (DEPARTMENT OF GROWTH MANAGEMENT) AND

23.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**

- 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, SRWIND, 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.
- 4. 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 AND REPLACED AS NECESSARY.
- 8. SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.
- REQUIRED ALL OPEN DRAINAGE SWALES SHALL BE GRASSED AND RIPRAP SHALL BE PLACED AS IRED TO CONTROL EROSION.
- 8. SILT FENCES SHALL LEAVING PROJECT LIMITS SILT FENCES SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM
- CONTRACTOR SHALL PLACE A DOUBLE ROW OF SILT FENCE IN AREAS WHERE RUNOFF DISTURBED AREAS MAY ENTER WETLANDS.
- DURING CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETE, SHALL BE CLEANED OF ALL DEBRIS AND EXCESS SEDIMENT.
- ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A TEMPORARY -GROWING COVER AND/OR MULCH.
- BROKEN CONCRETE WILL BE ACCEPTED. 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, I

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- 13. ALL SIDE SLOPES STEEPER THAN 3:1 SHALL BE ADEQUATELY PROTECTED FROM EROSION THROUGH THE USE OF SYNTHETIC 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.
- LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPS.

6.

- 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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REVISIONS

JOB NUMBER: L180111AND

DESIGNED BY: DRAFTED BY: CHECKED BY:

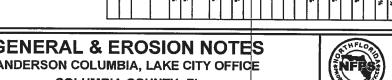
AF KB GB

ENGINEER OF RECORD:
GREGORY G. BALLEY
P.E. NO.: 41858

	SITE DATA	TA TABLE	ш		
A٨	ANDERSON COLUMBIA,		위	OFFICE	
PARCEL ID NUMBER	19-38-17-05123-000				
ZONING	INDUSTRIAL				
LAND USE	INDUSTRIAL				
CITY COUNCIL DISTRICT	1				
NUMBER					
PHYSICAL ADDRESS	871 NW GUERDON ST				
PROJECT PROPERTY BOUNDARY	Y BOUNDARY	SQ. FT.	ACRES	% OF SITE	% OF LOC
TOTAL PROPE	TOTAL PROPERTY BOUNDARY AREA	4992847	114.62	100.00%	100.00%
PROJECT AREA / LIN (LOC)	PROJECT AREA / LIMITS OF CONSTRUCTION (LOC)	140890	3.23	1,00 001	100.00%
BOTH ON-SITE & OFF-SITE	F-SITE	140890	3,23	100,00%	100,00%
EXISTING IMPERVIOUS AREA ON-SITE	JUS AREA ON-SITE				
EXISTING ASPHALT PAVEMENT	LT PAVEMENT	45398	1.04	0.91%	32.22%
EXISTING CONCRETE	ETE	1605	0,04	0.03%	1,14%
EXISTING BUILDING	á	16569		0.33%	11,76%
EXISTING STORM	EXISTING STORMWATER MANAGEMENT FACILITY	0	0.00	0.00%	0.00%
TOTAL EXISTING	TOTAL EXISTING IMPERVIOUS AREA ON-SITE	114385	263	2 29%	81, 19%
PROPOSED IMPERV	PROPOSED IMPERVIOUS AREA ON-SITE				
EXISTING ASPHA	EXISTING ASPHALT PAVEMENT TO REMAIN	0	0,00	0.00%	0.00%
EXISTING CONCRETE TO REMAIN		0	0.00	0.00%	0.00%
EXISTING BUILDING TO REMAIN		0	0,00	0.00%	0.00%
TO REMAIN	EXISTING STORMWATER MANAGEMENT FACILITY TO REMAIN	a	0.00	0.00%	0.00%
PROPOSED ASPHALT PAVEMENT		67388	1.55	1.35%	47.83%
PROPOSED CONCRETE		973	0.02		0.69%
PROPOSED BUILDING		20475			14.53%
PROPOSED STOR	PROPOSED STORMWATER MANAGEMENT FACILITY	0	0,00	0,00%	9,000
TOTAL PROPOSEI	TOTAL PROPOSED IMPERVIOUS AREA ON-SITE	88836	204	1.78%	63,05%
TOTAL PROPOSE	TOTAL PROPOSED PERVIOUS AREA ON-SITE	52054	1.20	1.04%	38.95%
REQUIRED PARKING LANDSCAPE AREA ON-SITE			0,15	0.13%	4.78%
PROPOSED PARKIN	PROPOSED PARKING LANDSCAPE AREA ON	8400	0.19	0.17%	5,96%
REQUIRED PARKING		41 SPACES + 2	2 H.C. SPACES		
PROVIDED PARKING		119 SPACES + 5	5 H.C. SPACES		



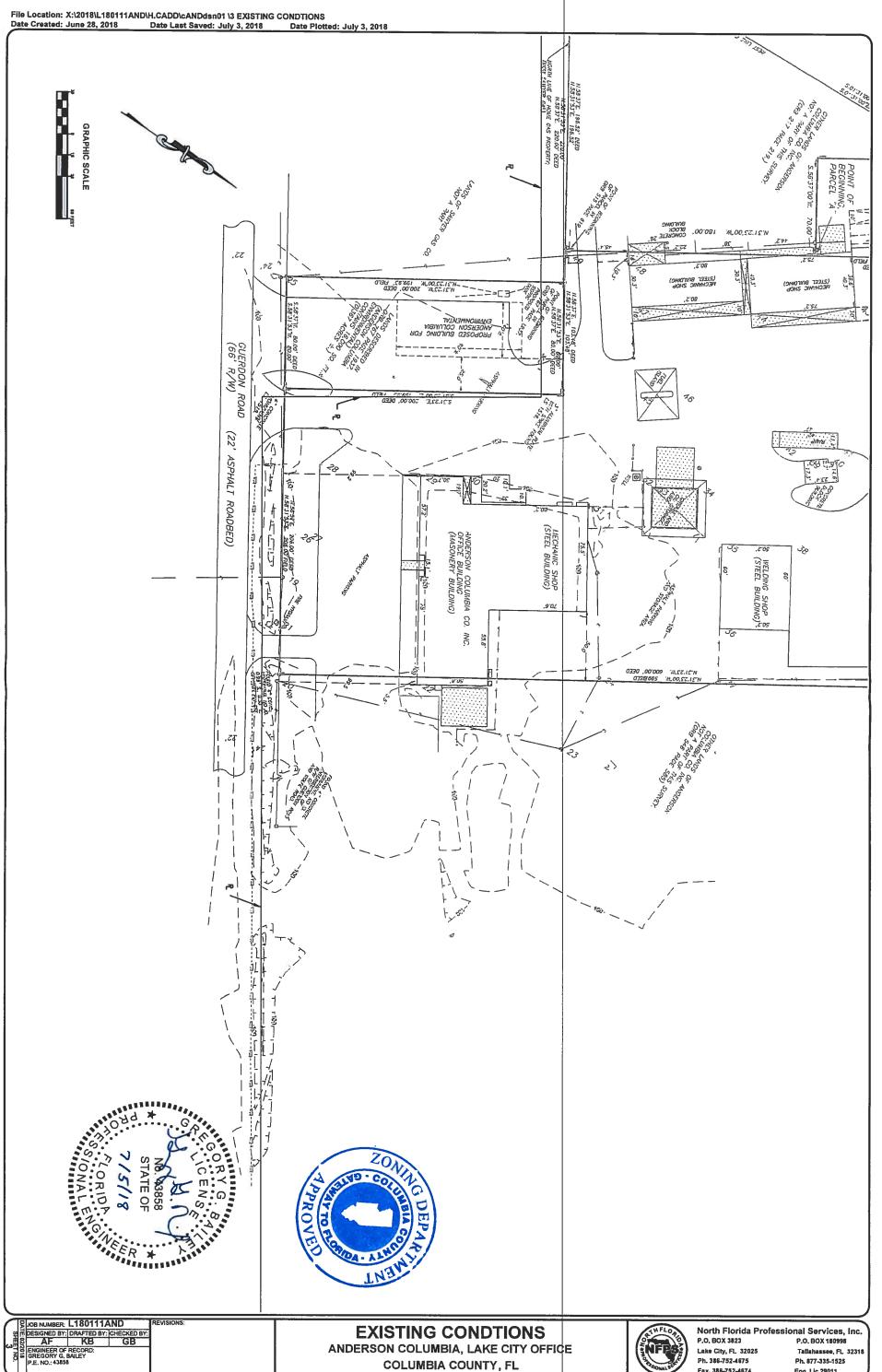


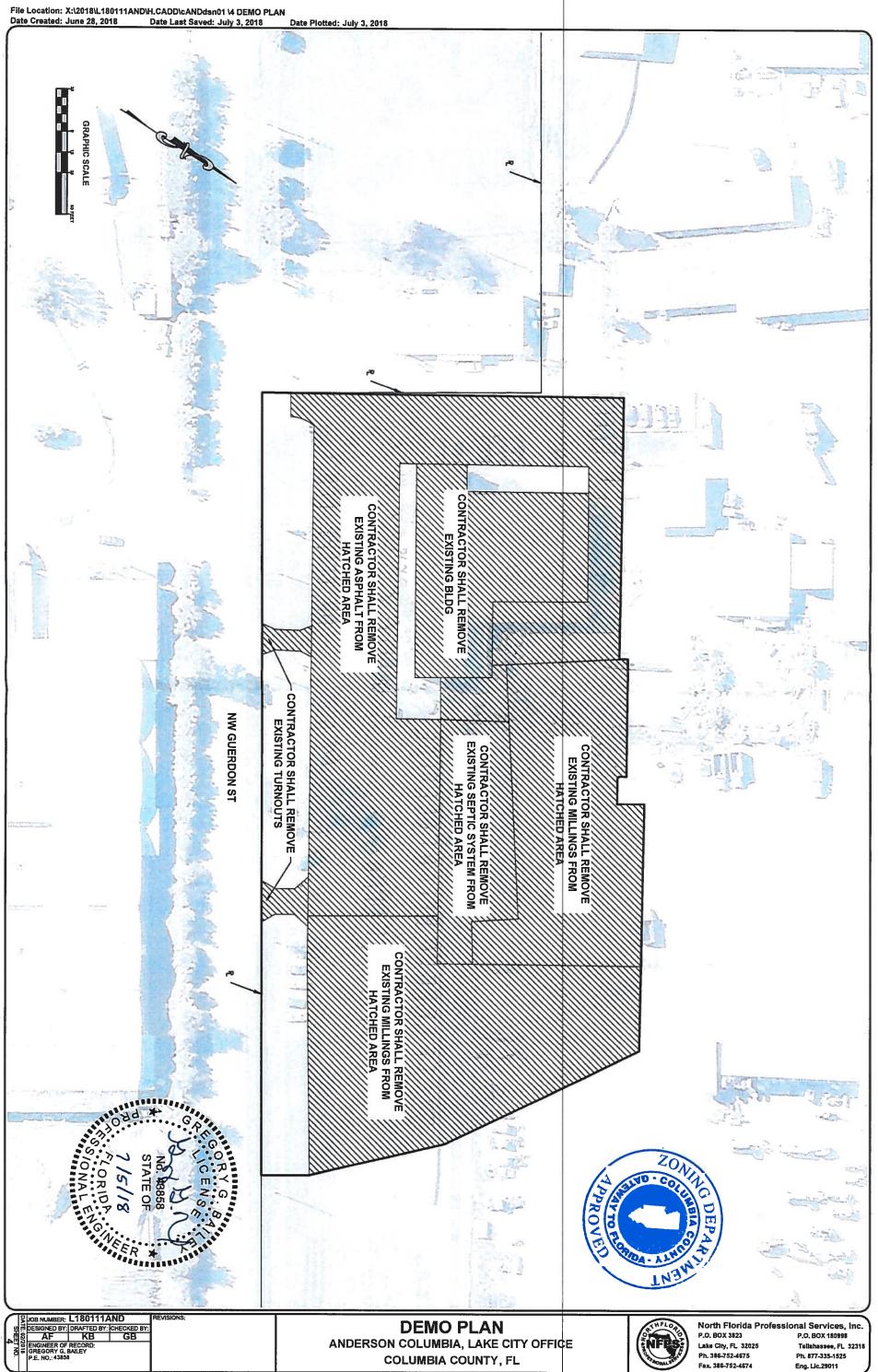


COLUMBIA COUNTY, FL

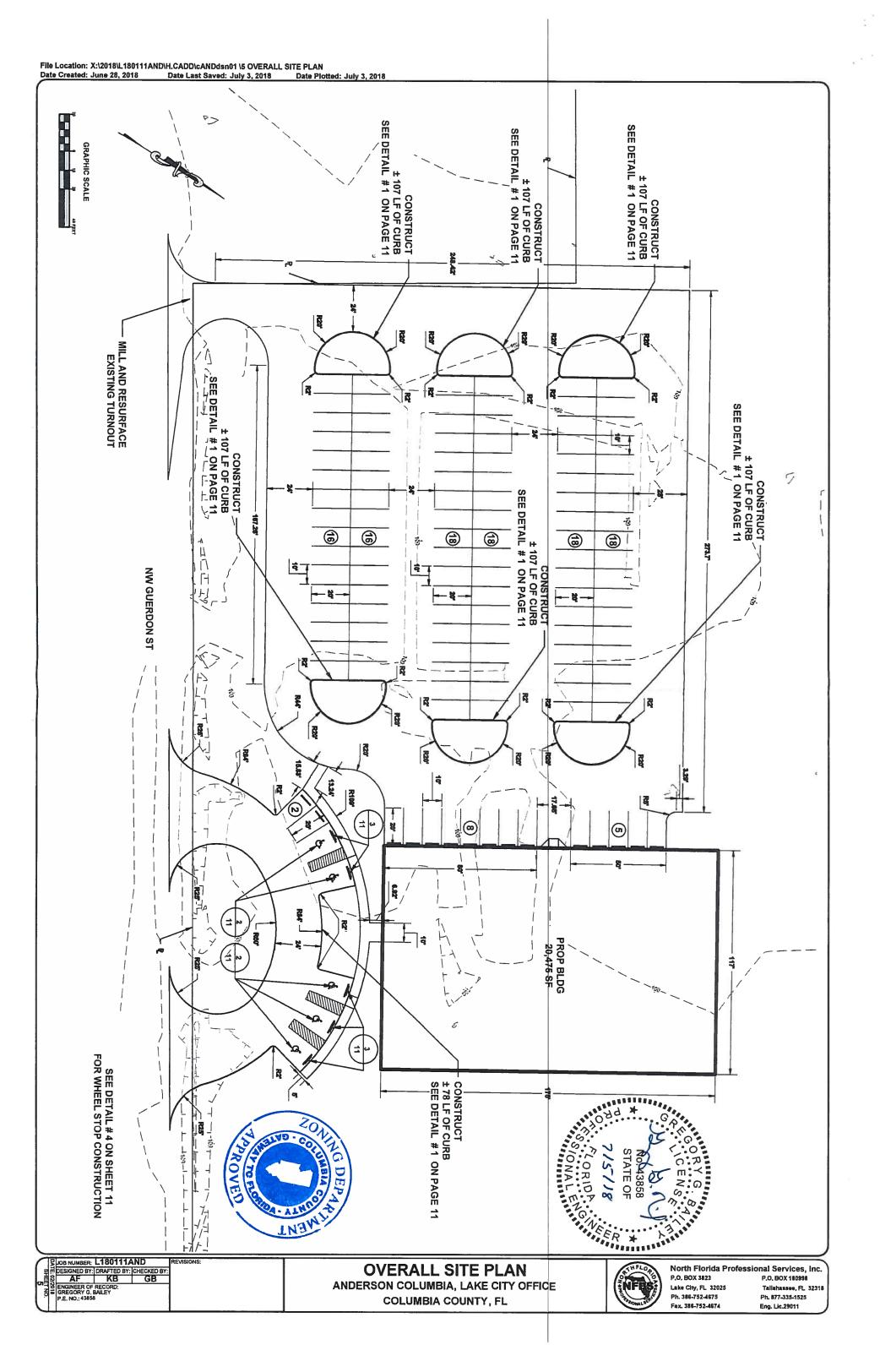
**GENERAL & EROSION NOTES** ANDERSON COLUMBIA, LAKE CITY OFFICE

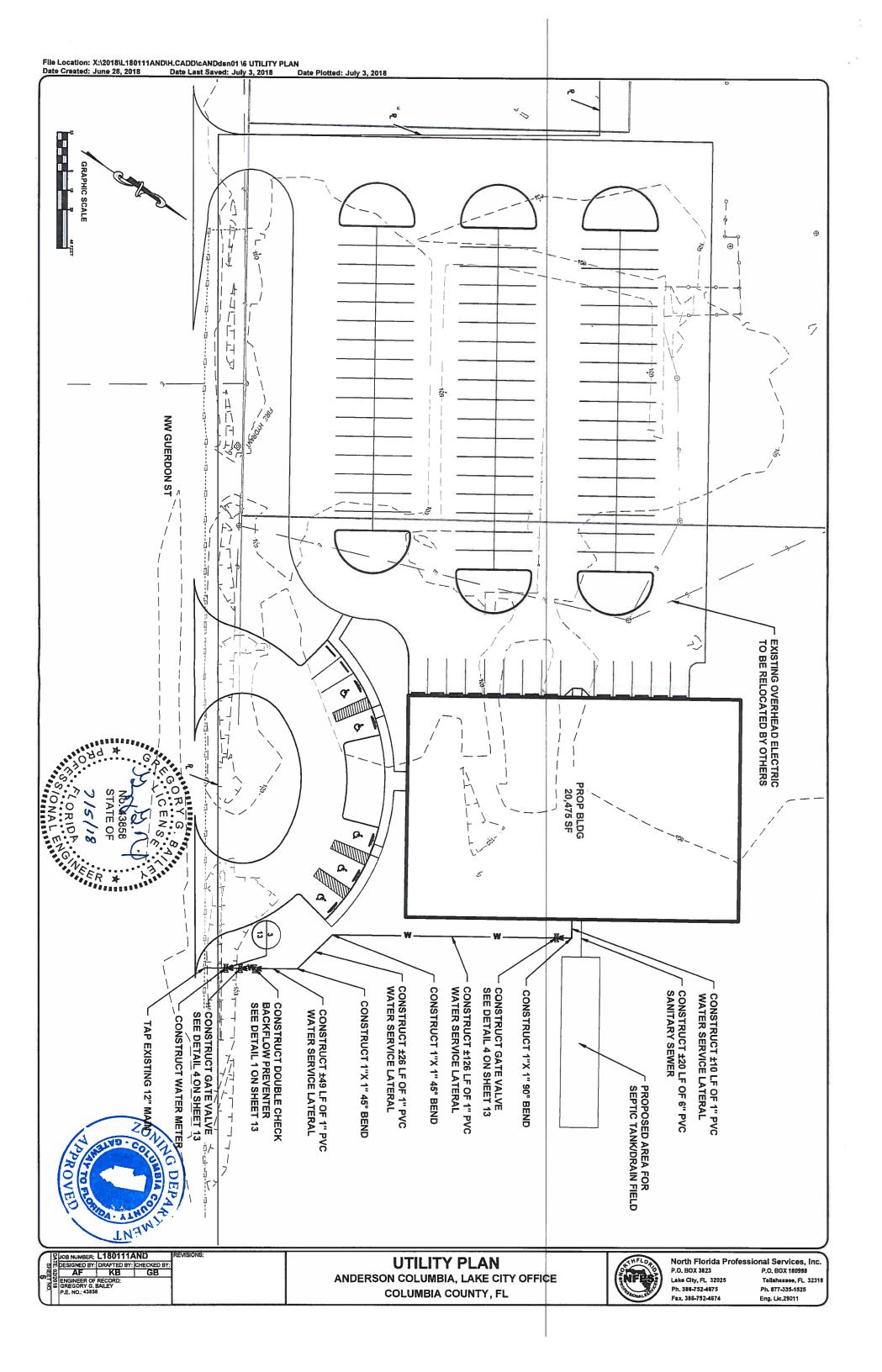
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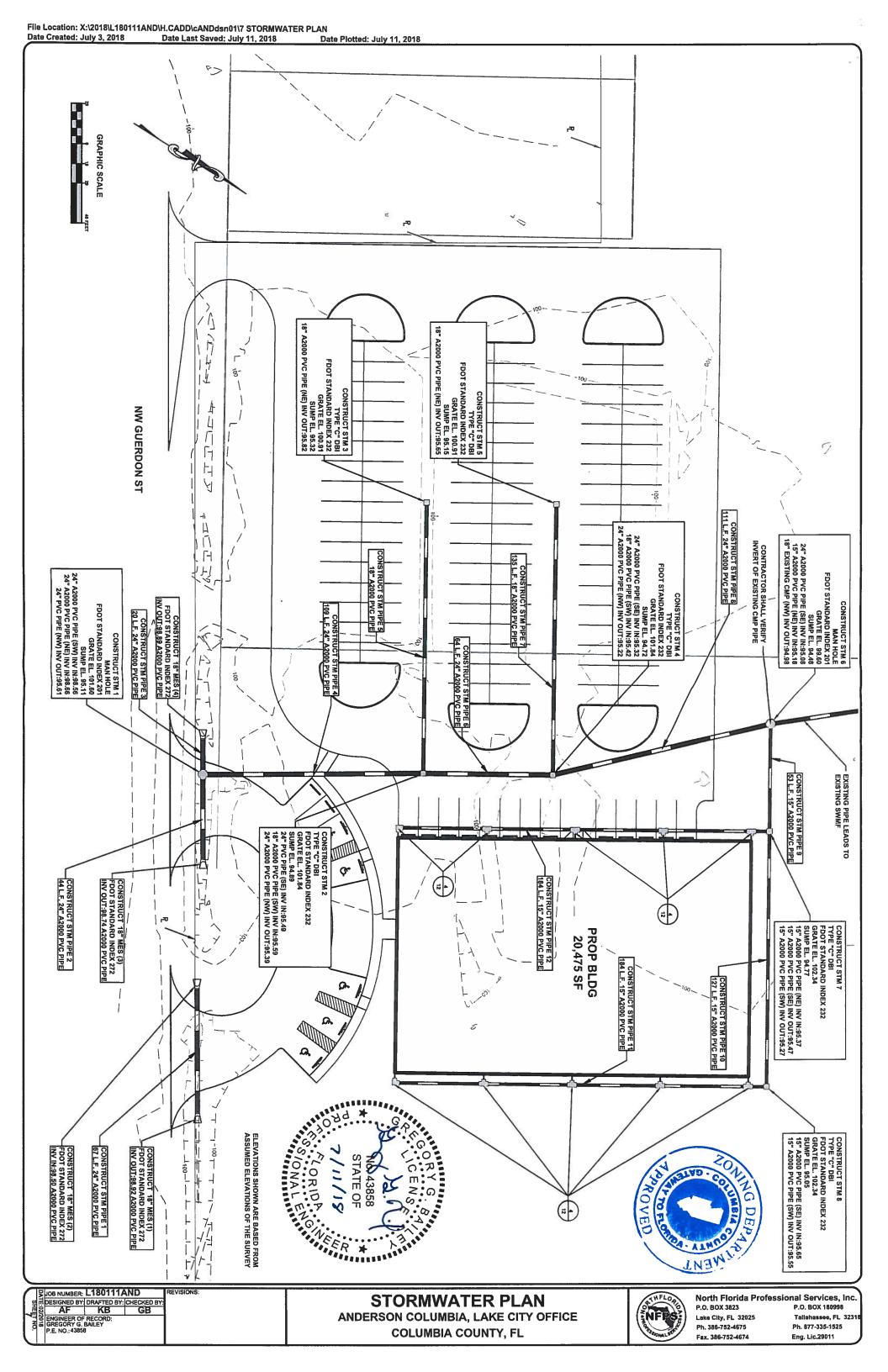


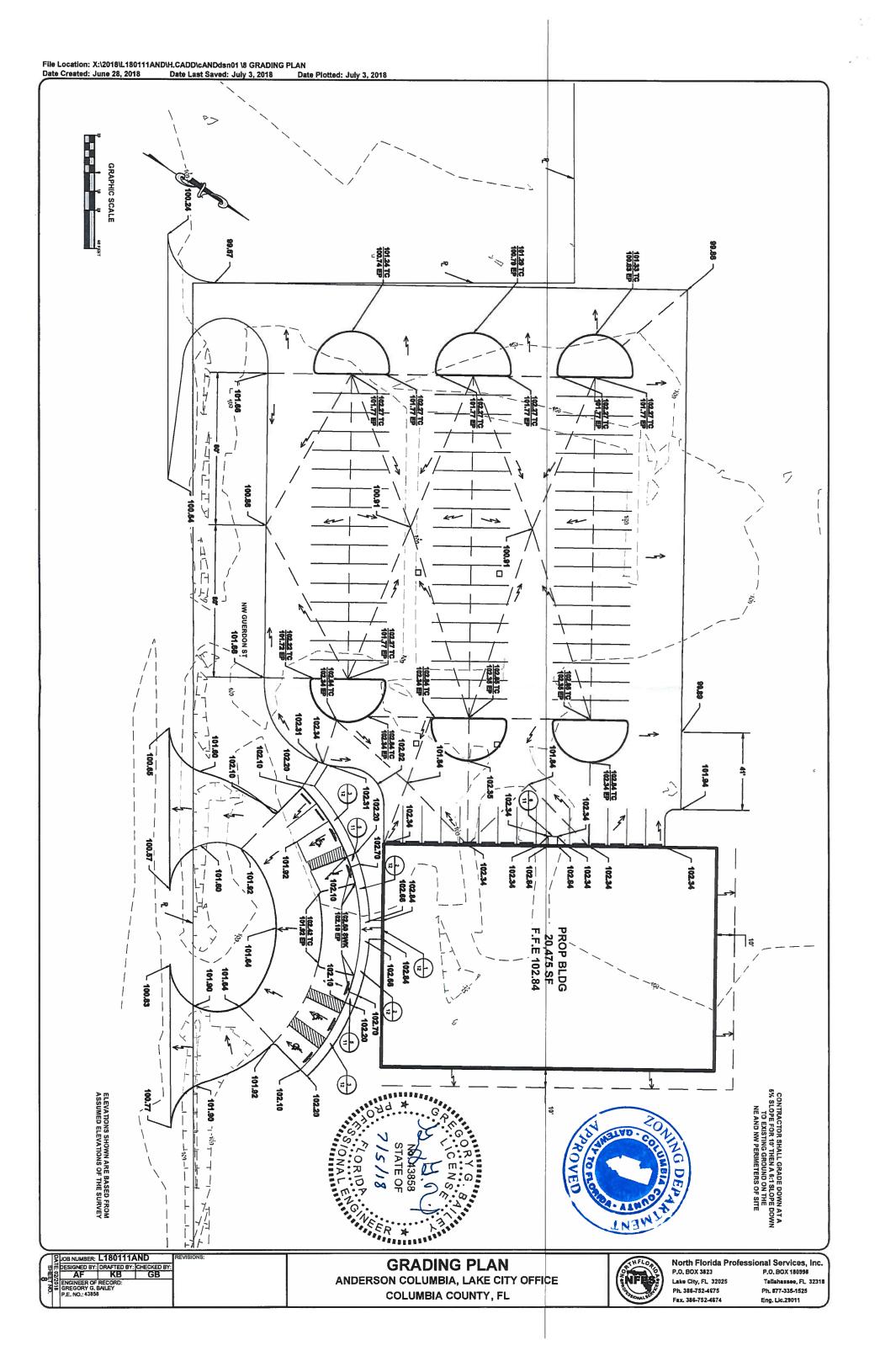


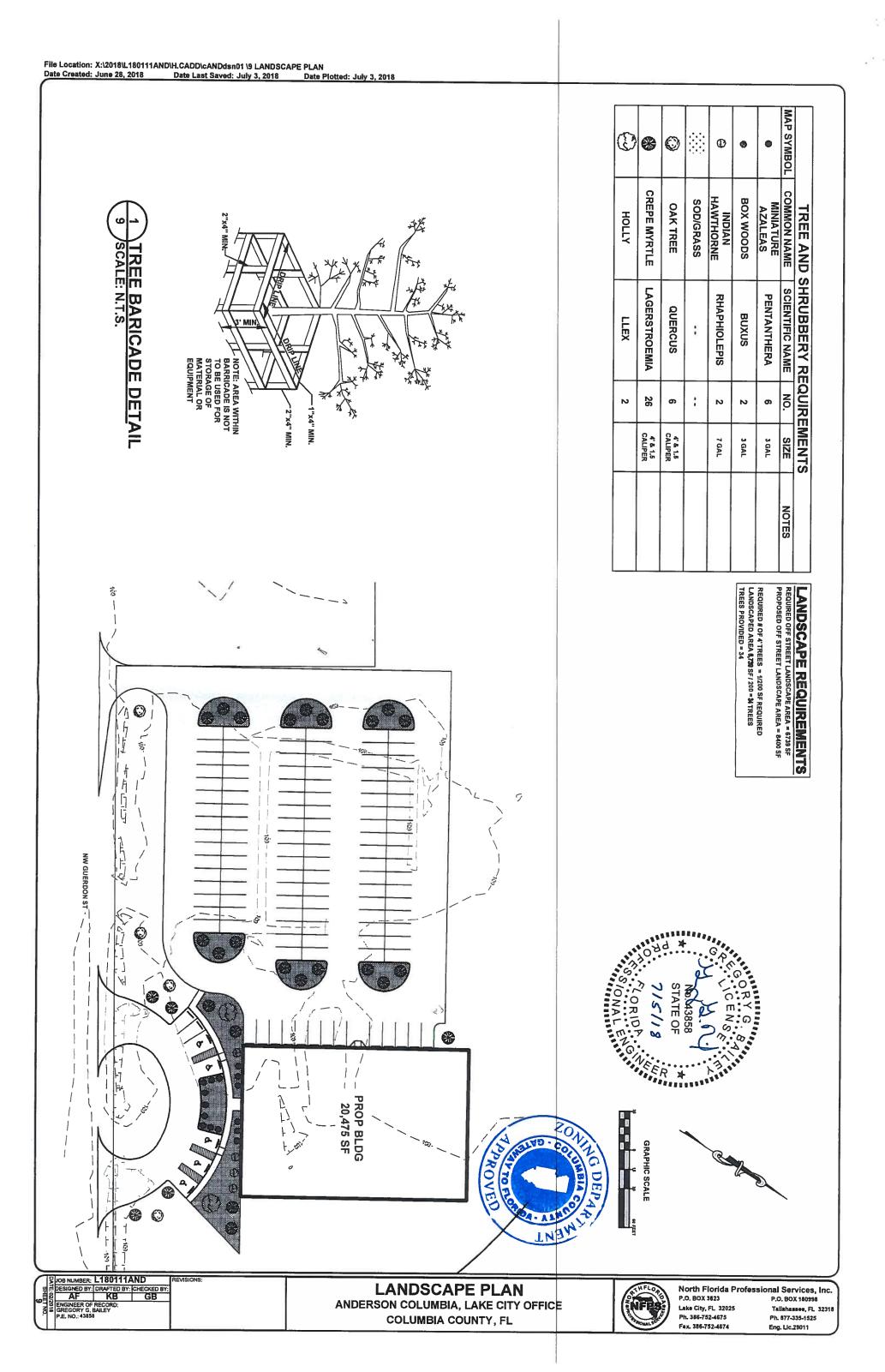
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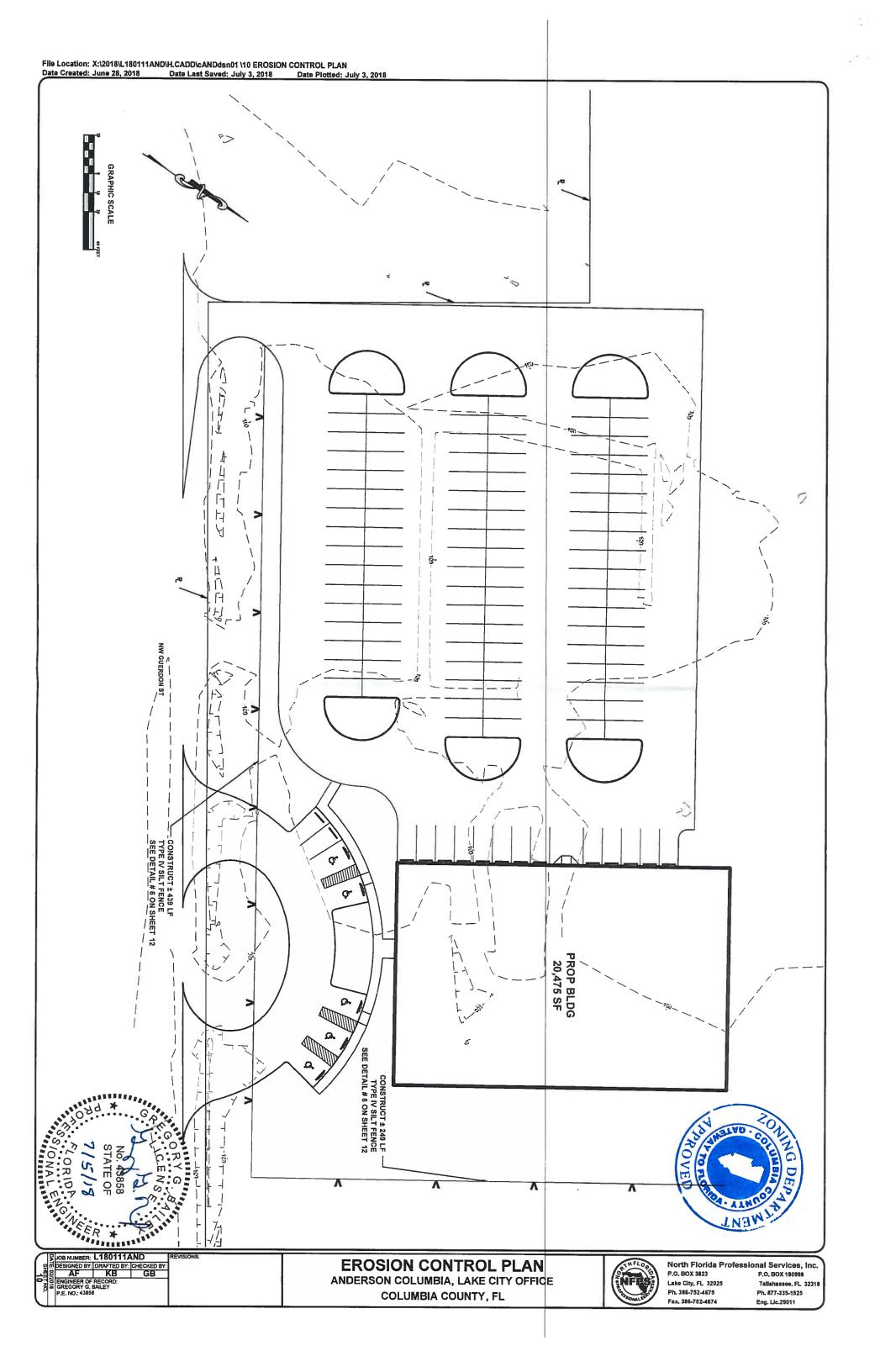


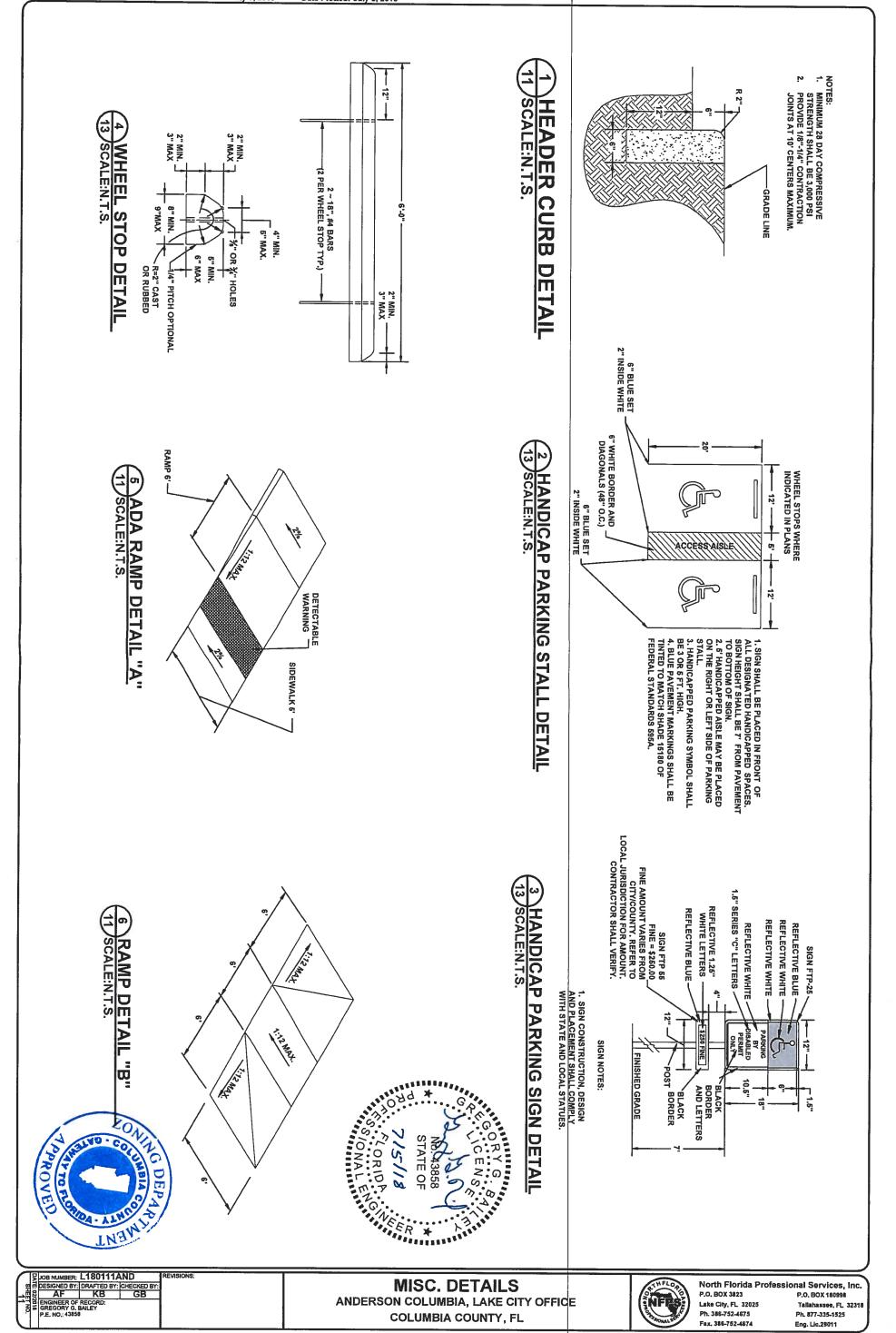












ANDERSON COLUMBIA, LAKE CITY OFFICE COLUMBIA COUNTY, FL



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Date Created: June 28, 2018 Date Last Saved: July 3, 2018

NOTES:

BACKFLOW PREVENTER

The second

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CORPORATION STOP

**6" BEDDING ROCK** 

NOTES:

PVC EXTENSIONS SHALL NOT BE USED ON VALVE BOX INSTALLATION.
THE ACTUATING NUT FOR DEEPER VALVES SHALL BE EXTENDED TO C
DEPTH BELOW FINISHED GRADE.

TO COME UP TO 4 FOOT

VALVE AND BOX DETAIL
SCALE:N.T.S.

P.E. TUBING IS TO BE
BACKFILLED BY HAND UP TO
THE TOP OF THE SERVICE.

METER BOX ASSEMBLY SCALE:N.T.S.

Date Plotted: July 3, 2018

PE SERVICE PIPE
SERVICE CONNECTION

WATER MAIN

BOX SHALL REST ON
BEDDING ROCK NOT

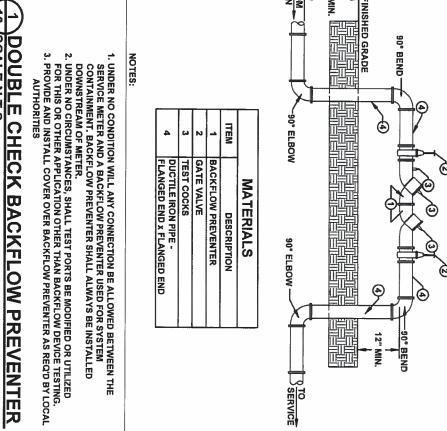
ON VALVE OR PIPE

AND SHALL BE CENTERED
ON OPERATING NUT

SINGLE SERVICE

ROFILE

WATER MAIN



SCALE:N.T.S.

METER BOX

SET TOP OF VALVE BOX TO FINISH GRADE

COLLAR

%" POLYETHYLENE PIPE

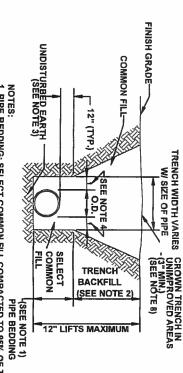
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WATER METER

**CURB STOP** 

ADJUSTABLE CAST IRON -VALVE BOX

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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.

6. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING

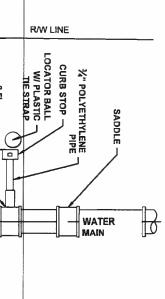
CONSTRUCTION.

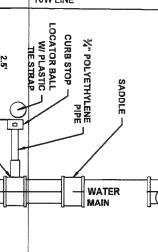
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.

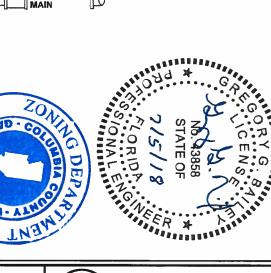
'. PROVIDE TRENCH SLOPING AND BRACING AS REQUIRED FOR

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. TRENCH AND BACKFILL DETAILS

SCALE: N.T.S.







AWWA TYPE CC THREADS CORPORATION STOP
AND FITTING (NORMALLY OPEN) SADDLE VATER MAIN - SADDLE 30° LOCATOR BALL

PAPROVED

NATURAL GROUND

NOTES:

1. ALL FITTINGS SHALL BE BRASS WITH COMPRESSION! PACK
JOINT TYPE CONNECTIONS.

2. NO SERVICE LINE SHALL TERMINATE UNDER A DRIVEWAY.

3. EACH SERVICE SHALL TERMINATE AT A CURB STOP WHICH
SHALL BE BURIED APPROXIMATELY 3" BELOW FINAL
GRADE AND SHALL BE CLEARLY MARKED WITH A 2" x 2" x

18" STAKE WITH THE TOP PAINTED BLUE AND MARKED
WITH THE NUMBER OF THE LOT TO BE SERVED.

4. CONTRACTOR SHALL PROVIDE LOCATOR BALLS WI PLASTIC
TIE STRAPS, LOCATOR BALLS SHOULD BE SECURED TO
LATERAL WI TIE STRAP.

REVISIONS

## SCALE: N.T.S. WATER SERVI CE CONNECTION DETAILS

JOB NUMBER: L180111AND DESIGNED BY: DRAFTED BY: CHECKED BY:
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ENGINEER OF RECORD:
GREGORY G, BAILEY
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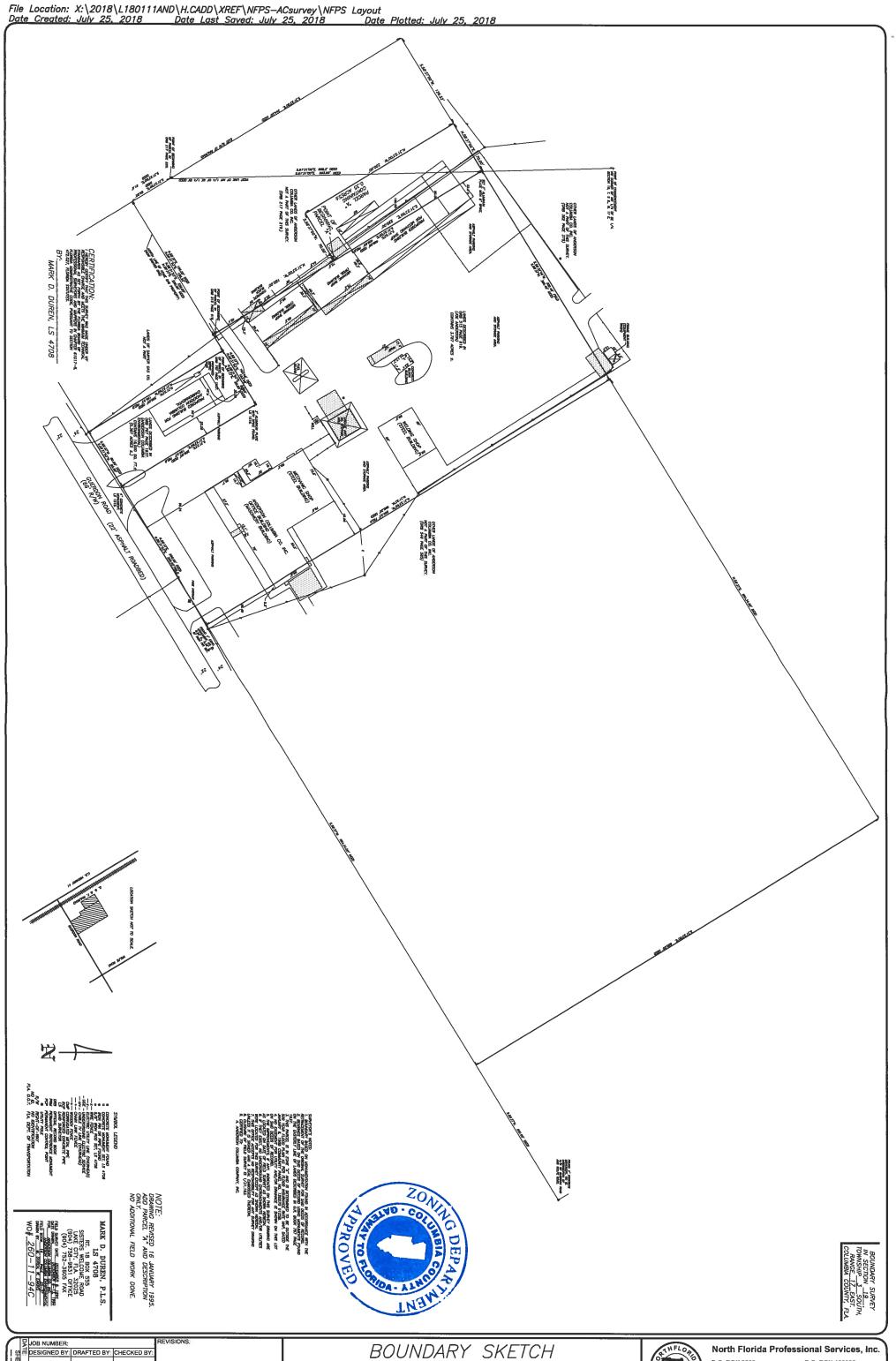
**MISC. DETAILS** ANDERSON COLUMBIA, LAKE CITY OFFICE COLUMBIA COUNTY, FL

TO METER BOX ASSEMBLY

CURB STOP



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