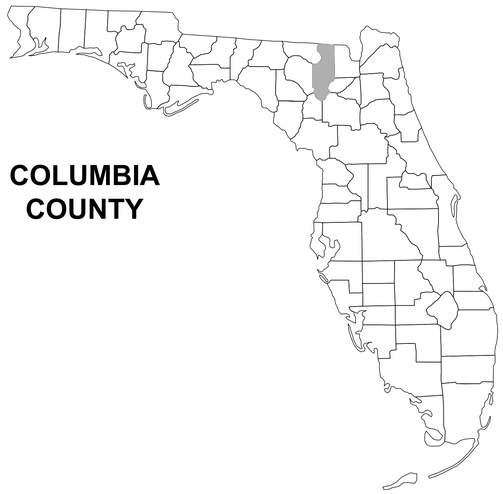
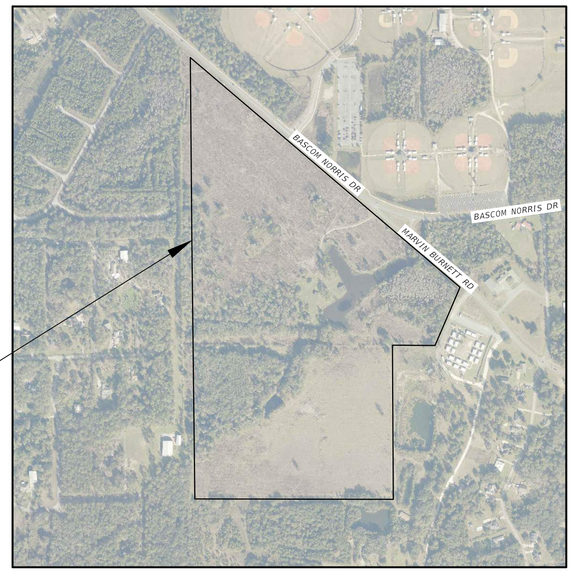
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL



COLUMBIA COUNTY

PROJECT LOCATION



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PLANS PREPARED FOR:

GARDEN STREET COMMUNITIES
100 W GARDEN ST, 2ND FLOOR
PENSACOLA, FL 32502

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

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REVISIONS	
DATE	DESCRIPTION

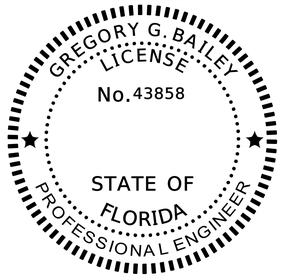
NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823 — LAKE CITY, FL 32056 — PH. 386-752-4675 — LIC NO. LB8356
2551 BLAIRSTONE PINES DR. — TALLAHASSEE, FL 32301 — WWW.NFPS.NET — CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

COVER SHEET

SHEET NO. C-1

Dalton Kurtz 5/15/2024 11:37:32 AM X:\2023\L230419GAR\H.CADD\Roadway\KEYSRD01.dwg



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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.

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NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823 — 2551 BLAIRSTONE PINES DR.
LAKE CITY, FL 32056 — TALLAHASSEE, FL 32301
PH. 386-752-4675 — WWW.NFPS.NET
LIC NO. LB8356 — CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

SIGNATURE SHEET
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

SHEET NO. C-2

GENERAL NOTES

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 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 CITY OF LAKE CITY, 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, FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION DRINKING WATER FACILITY PERMIT, AND FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION DOMESTIC WASTEWATER COLLECTION/TRANSMISSION SYSTEM 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 CHW. FLORIDA CERTIFICATE NO. 7132

5. VERTICAL DATUM SHOWN HEREON IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). ELEVATIONS SHOWN WERE DERIVED FROM FLORIDA DEPARTMENT OF TRANSPORTATION CONTROL MONUMENTS:
   5.1. 2909006BM2, WITH A PUBLISHED ELEVATION OF 138.65 FEET NAVD 88.
   5.2. 2909006BM1, WITH A PUBLISHED ELEVATION OF 153.59 FEET NAVD 88.
   5.3. 2909005BM1, WITH A PUBLISHED ELEVATION OF 158.85 FEET NAVD 88.

6. 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.

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

8. 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.

9. THE STORMWATER BASIN IS DESIGNED IN ACCORDANCE WITH SRWMD APPLICANT HANDBOOK VOLUME II AND 62-330 F.A.C.

10. ALL SLOPES OF THE STORMWATER BASIN SHALL BE GRASSED. ALL SLOPES STEEPER THAN 3:1 SHALL BE STAPLED SOD.

11. 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 THROUGH AUGUST, THE MIX SHALL CONSIST OF 70 PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF MILLET.

12. 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.

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

14. ALL SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF LAKE CITY LAND DEVELOPMENT REGULATIONS.

15. 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.

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

17. 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.

18. FINISHED FLOOR ELEVATIONS SHALL BE AT LEAST ONE (1) FOOT ABOVE THE CENTERLINE OF THE ADJACENT ROADWAY OR AS NOTED FOR THE INDIVIDUAL LOT. DURING DEVELOPMENT OF EACH LOT, THE LOT SHALL BE GRADED TO DRAIN TO THE ROADSIDE DITCH OF THE ADJACENT ROADWAY.

19. 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. STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION), AWWA SPECIFICATIONS, AND THE CITY OF LAKE CITY DEVELOPMENT STANDARDS UNLESS OTHERWISE NOTED.

20. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS PREPARED BY NORTH FLORIDA PROFESSIONAL SERVICES, INC., DATED APRIL 4, 2024.

21. A PRE-CONSTRUCTION MEETING WITH LAKE CITY UTILITIES IS REQUIRED PRIOR TO BEGINNING CONSTRUCTION.

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

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

24. THE CONTRACTOR SHALL SUBMIT A NOTICE OF CONSTRUCTION COMMENCEMENT TO THE WATER MANAGEMENT DISTRICT AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.

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

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

27. CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY PERFORMED BY A LICENSED FLORIDA SURVEYOR 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. THIS AS-BUILT SURVEY SHOULD INCLUDE ALL OUTFALL STRUCTURES. 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 ENGINEER.

28. THE CONTRACTOR SHALL SUBMIT A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM NOTICE OF INTENT ALONG WITH SUPPORTING DOCUMENTATION TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMIT FEES.

29. 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 FLORIDAN AQUIFER SYSTEM, CORRECTIVE ACTIONS DESIGNED OR APPROVED BY A REGISTERED PROFESSIONAL SHALL BE TAKEN AS SOON AS PRACTICAL TO CORRECT THE FAILURE. SEE KARST REPAIR DETAIL ER23. IN ADDITION, 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.

30. ALL UTILITY AND/OR DRAINAGE STRUCTURES SHALL BE PRECAST UNLESS APPROVED BY THE ENGINEER. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO PROCUREMENT.

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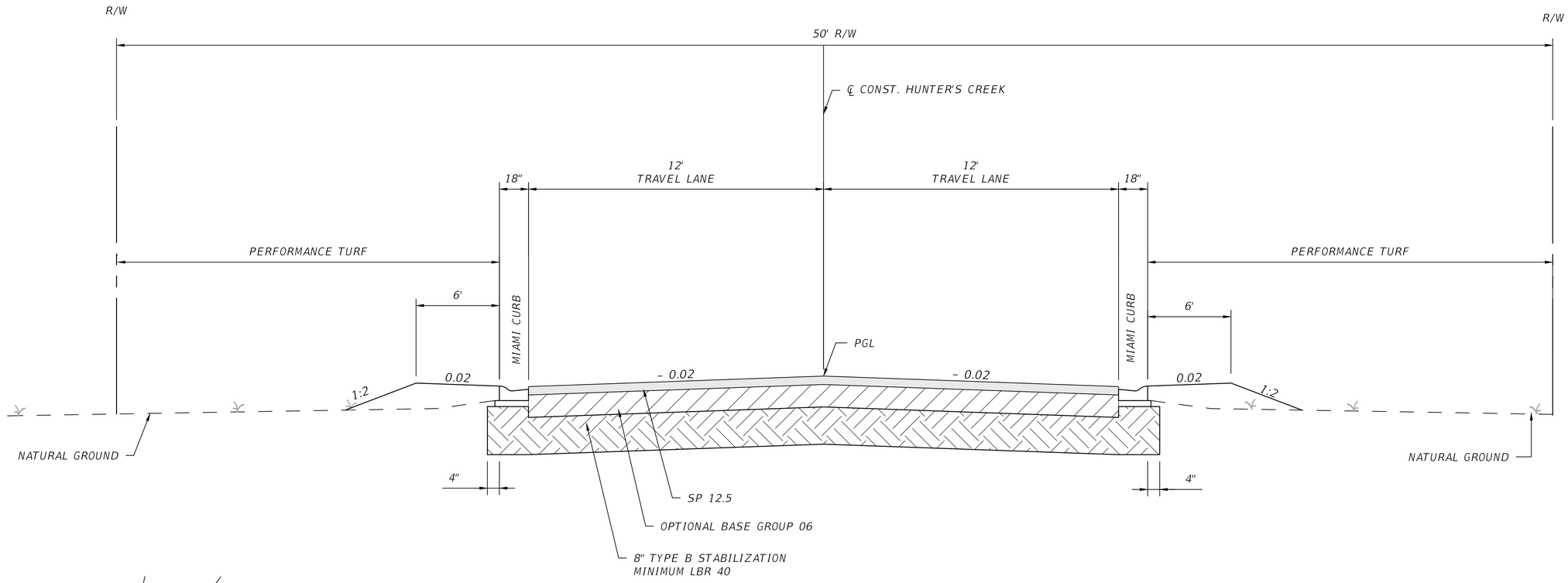
P.O. BOX 3823 — LAKE CITY, FL 32056 — PH. 386-752-4675 — LIC NO. LB8356
2551 BLAIRSTONE PINES DR. — TALLAHASSEE, FL 32301 — WWW.NFPS.NET — CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

GENERAL NOTES
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

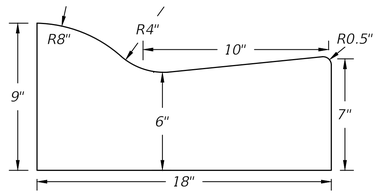
SHEET NO. C-3



ROADWAY TYPICAL SECTION

HUNTERS CREEK SUBDIVISION
DESIGN SPEED = 25 MPH

TYPE SP 12.5 STRUCTURAL COURSE (2")



MIAMI CURB DETAIL

NOTES:
FINISH THE STABILIZED SUBGRADE SURFACE ELEVATION AND CROSS SLOPE IN ACCORDANCE WITH THIS PAVEMENT DESIGN AND THE PROPOSED PROFILE GRADE.

IF UNSUITABLE MATERIALS ARE ENCOUNTERED, REMOVE IN ACCORDANCE WITH FDOT DESIGN STANDARD 500 AND REPLACE WITH FILL IN ACCORDANCE WITH FDOT DESIGN STANDARD 505.

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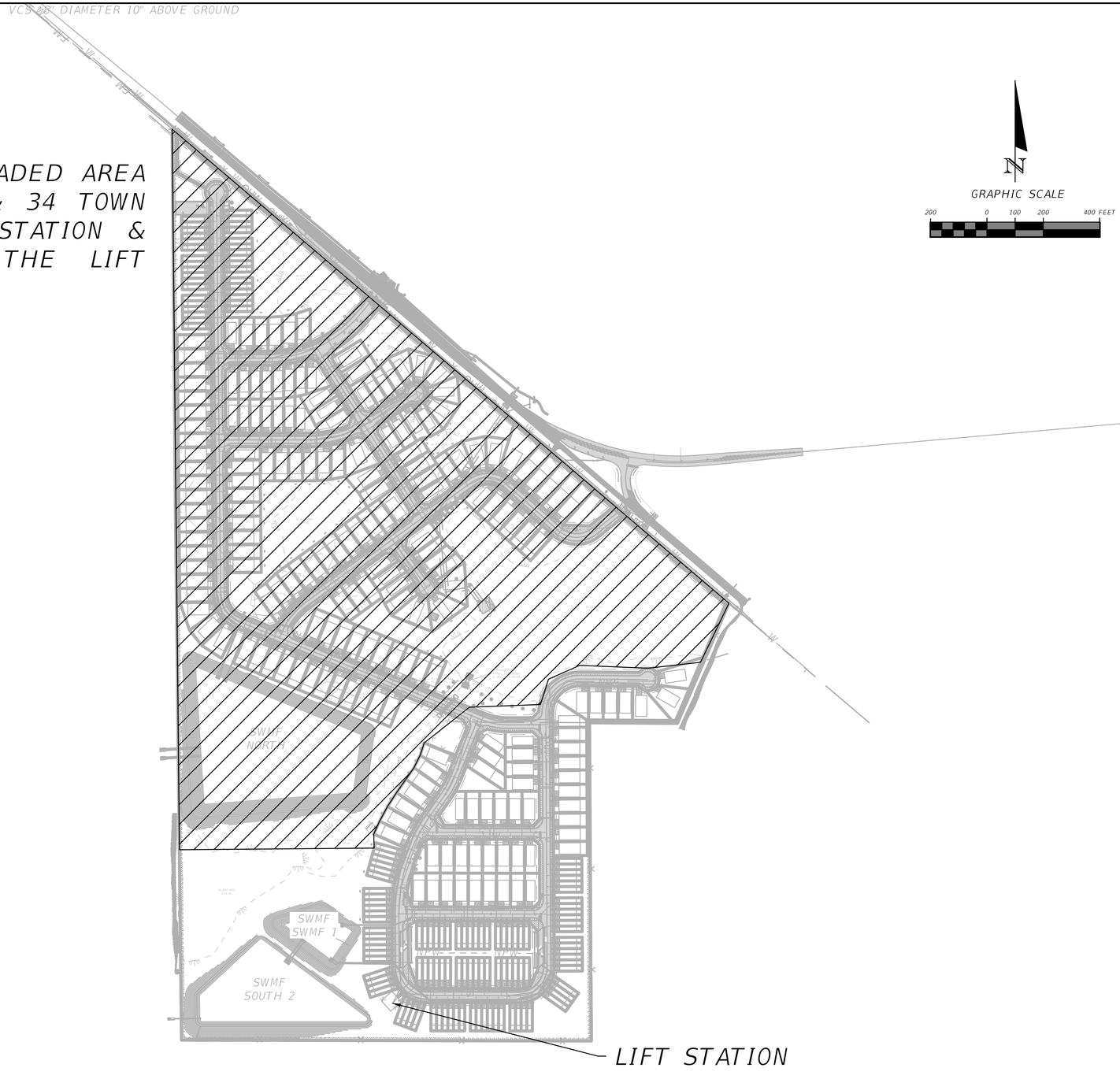
P.E. NO.: 43858

TYPICAL SECTION HUNTER'S CREEK

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

SHEET NO.
C-4

PHASE 1 SHALL INCLUDE THE SHADED AREA OF 147 SINGLE FAMILY HOMES & 34 TOWN HOMES AS WELL AS THE LIFT STATION & TEMPORARY ACCESS ROAD TO THE LIFT STATION.



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GRAPHIC SCALE

200 0 100 200 400 FEET

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CONSTRUCTION PHASES
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

SHEET NO. C-5

Dalton Kurtz 5/15/2024 11:37:45 AM X:\2023\L230419GAR\H.CADD\Roadway\PLANRD01.DWG C-5 CONSTRUCTION PHASES

POTABLE WATER/SANITARY SEWER DEMAND PER LAKE CITY UTILITY STANDARDS SECTION 2 TABLE 2-1.

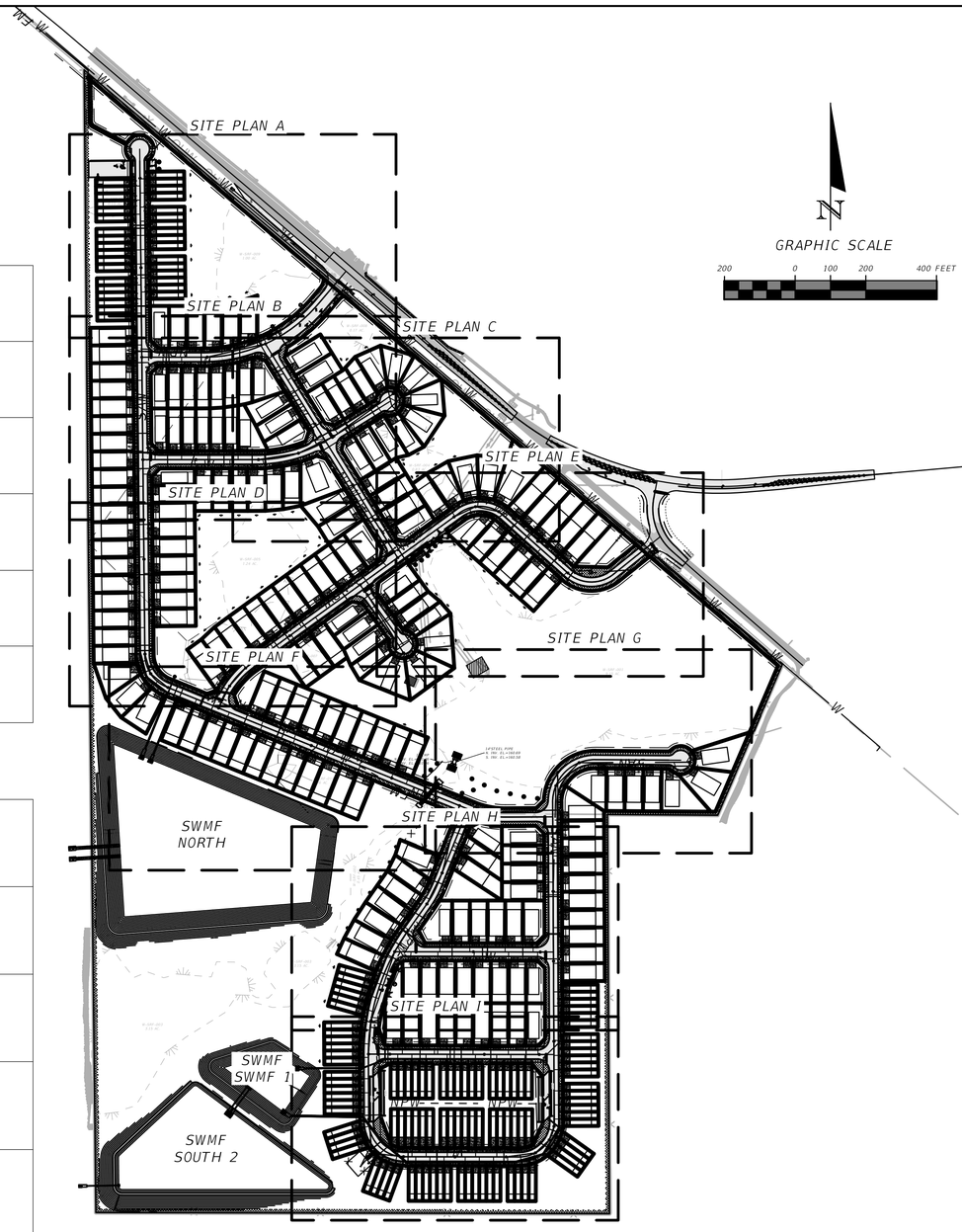
POTABLE WATER: 350 GPD PER DWELLING UNIT
SANITARY SEWER: 250 GPD PER DWELLING UNIT

SANITARY SEWER

Facility	Gallons	Unit of Measure	QTY	GPD	GPM	Notes
Building Type 3 BR 1900 SQFT (TOWNHOMES)	250	Dwelling Unit	134	33500		
Building Type 3 BR 1465 SQFT (40' LOTS)	250	Dwelling Unit	42	10500		
Building Type 3/4 BR 1640 SQFT (50' LOTS)	250	Dwelling Unit	159	39750		
Total			335	**83,750**	58.16	ADF
Total w/ peaking factor*			3.71	310,713	**215.77**	**PHF**

POTABLE WATER

Facility	Gallons	Unit of Measure	QTY	GPD	GPM	Notes
Building Type 3 BR 1900 SQFT (TOWNHOMES)	350	Dwelling Unit	134	46900		
Building Type 3 BR 1465 SQFT (40' LOTS)	350	Dwelling Unit	42	14700		
Building Type 3/4 BR 1640 SQFT (50' LOTS)	350	Dwelling Unit	159	55650		
Total			335	**117,250**	81.42	ADF
Total w/ peaking factor*			3.71	434,998	**302.08**	**PHF**



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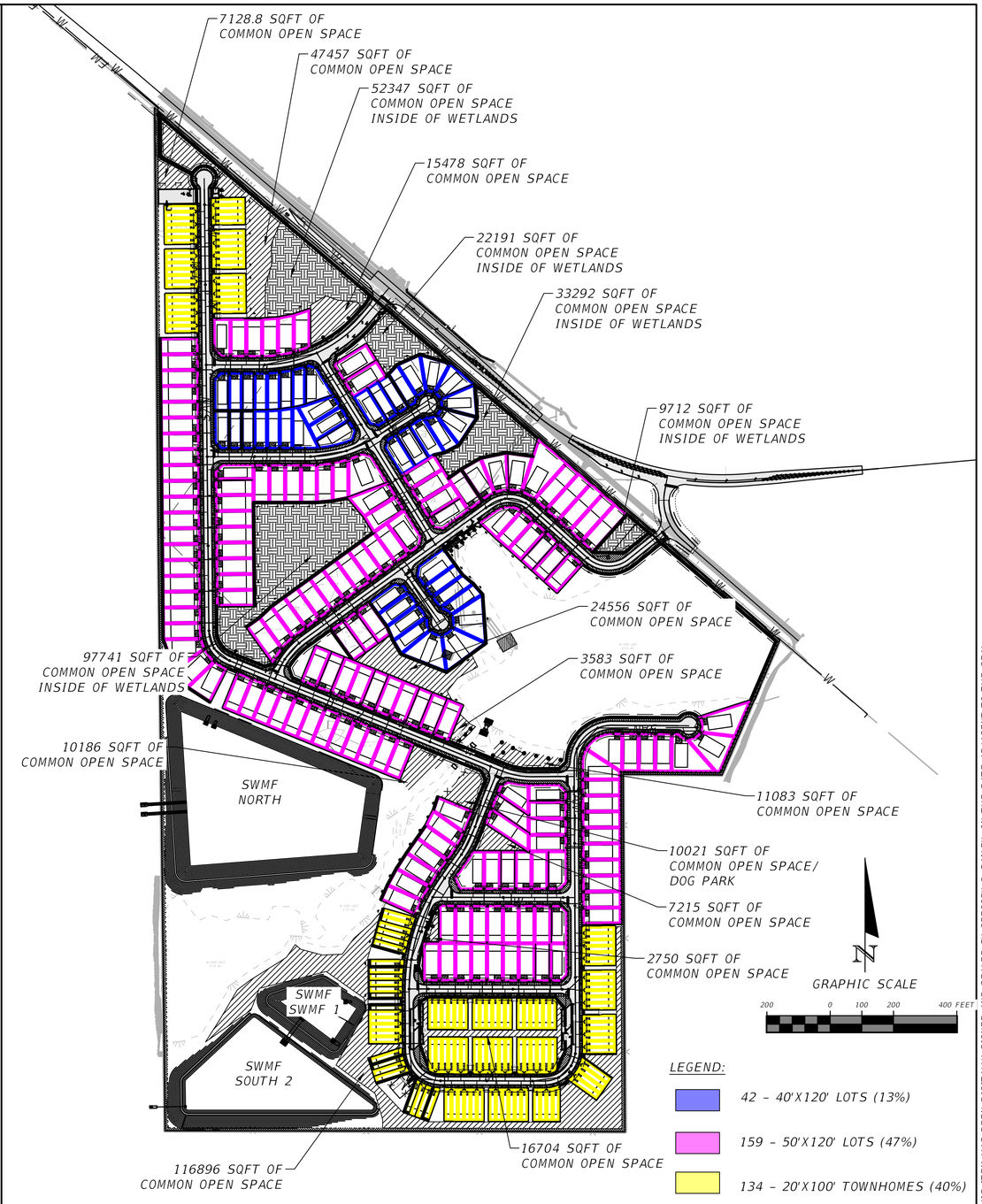
PLAN KEY SHEET
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

SHEET NO. C-6

PARCEL ID NUMBER	06-4S-17-08037-000, 07-4S-17-08110-098, 07-4S-17-08110-099, and 07-4S-17-08110-100			
ZONING	PLANNED RESIDENTIAL DEVELOPMENT			
FUTURE LAND USE	RESIDENITAL MODERATE DENSITY			
CITY COUNCIL DISTRICT	DISTRICT 5			
PHYSICAL ADDRESS				
PROJECT PROPERTY BOUNDARY		SQ. FT.	ACRES	% OF SITE
	TOTAL PROPERTY BOUNDARY AREA	4,085,928	93.80	100.00%
PROJECT AREA / LIMITS OF CONSTRUCTION (LOC)		3,237,379	74.32	79.23%
BOTH ON-SITE & OFF-SITE		4,220,528	96.89	100.00%
EXISTING IMPERVIOUS AREA ON-SITE				
	EXISTING ASPHALT PAVEMENT		0.00	0.00%
	EXISTING CONCRETE		0.00	0.00%
	EXISTING BUILDING		0.00	0.00%
	EXISTING POND	570,636	13.10	13.97%
	TOTAL EXISTING IMPERVIOUS AREA ON-SITE		0.00	0.00%
PROPOSED IMPERVIOUS AREA ON-SITE				
	EXISTING ASPHALT PAVEMENT TO REMAIN (ROAD & PARKING LOT)		0.00	0.00%
	EXISTING CONCRETE TO REMAIN		0.00	0.00%
	EXISTING BUILDING TO REMAIN		0.00	0.00%
	EXISTING POND TO REMAIN	570,636	13.10	13.97%
	PROPOSED ASPHALT PAVEMENT	279,232	6.41	6.83%
	PROPOSED CONCRETE	454,191	10.43	11.12%
	PROPOSED BUILDING	728,050	16.71	17.82%
	PROPOSED STORMWATER MANAGEMENT FACILITY	441,586	10.14	10.81%
	TOTAL PROPOSED IMPERVIOUS AREA ON-SITE (INCLUDING SWMF)	2,473,694	56.79	60.54%
	TOTAL PROPOSED PERVIOUS AREA ON-SITE	763,685	17.53	18.69%
REQUIRED COMMON AREA		485,607	11.15	11.88%
PROPOSED COMMON AREA		487,629	11.19	11.93%
PROPOSED COMMON AREA IN WETLANDS		214,600	4.93	5.25%
REQUIRED PARKING LANDSCAPE AREA ON-SITE		-	0.00	0.00%
PROPOSED INTERIOR LANDSCAPE AREA ON SITE		234,215	5.38	5.73%
PROPOSED PARKING LANDSCAPE AREA ON SITE		-	0.00	0.00%
INTERIOR LANDSCAPING FOR PAVED AREAS (OTHER THAN PARKING)		-	0.00	0.00%
REQUIRED TREES		0		
PROPOSED TREES				55
GROSS DENSITY		3.57		
BUILDING COVERAGE				
REQUIRED PARKING		0		
PROVIDED PARKING		46(45 REGULAR PARKING SPACES AND 1 ADA PARKING SPACE)		



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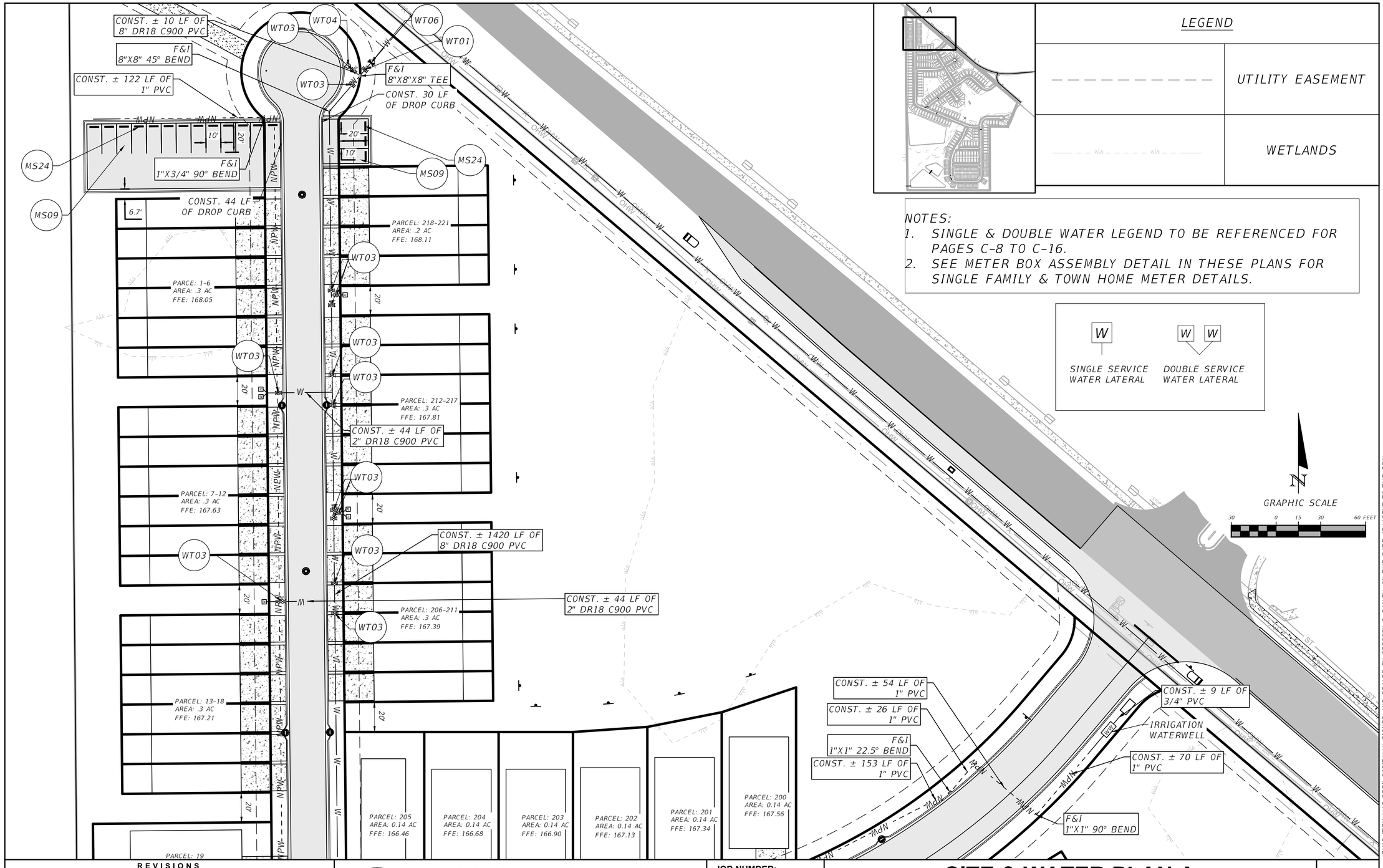
PH. 386-752-4675
LIC NO. LB8356
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

SITE DATA TABLE, OVERALL SITE & WATER

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

SHEET NO. C-7



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SITE & WATER PLAN A
HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-8

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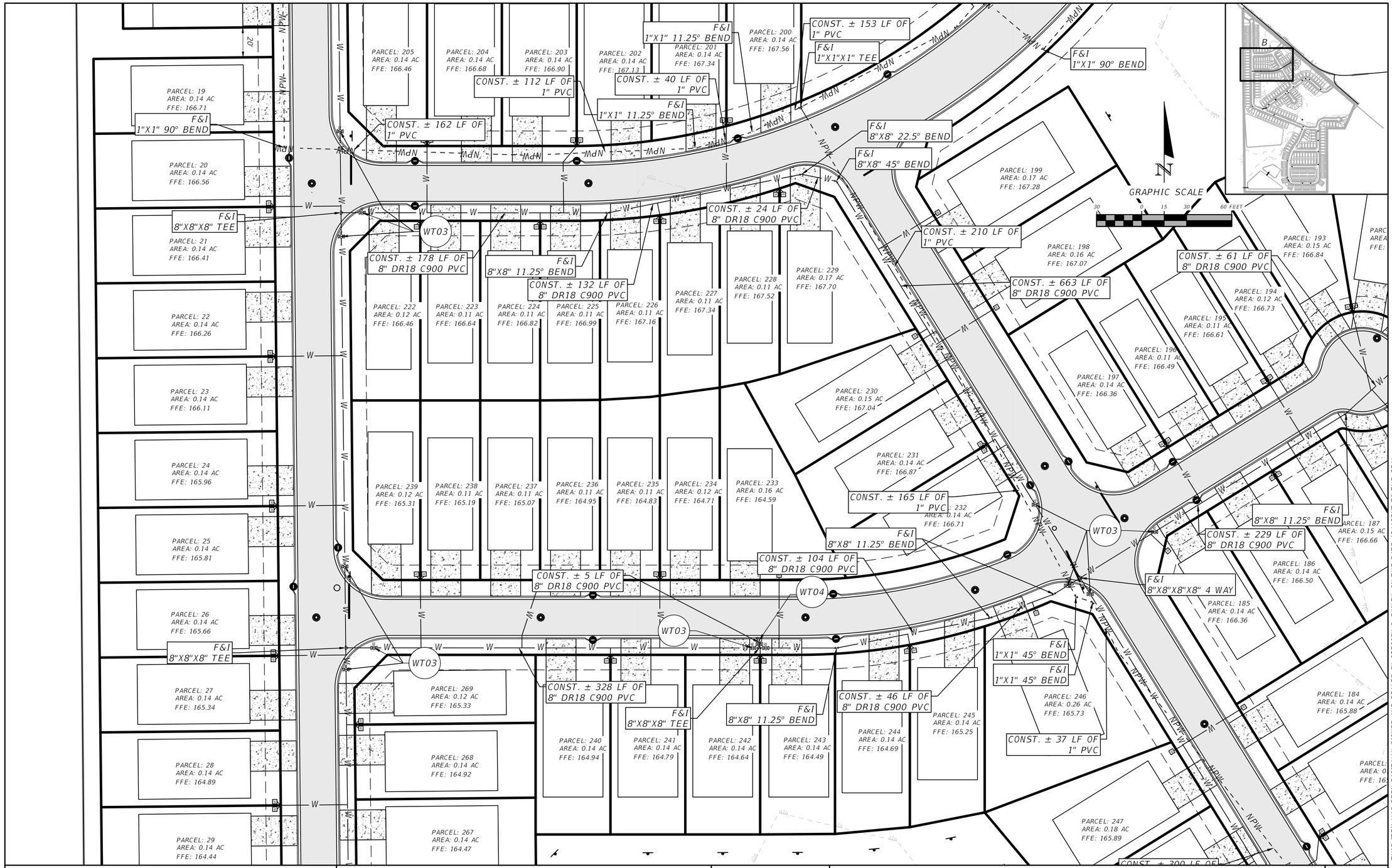

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CA# 29011

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SITE & WATER PLAN B

HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-9

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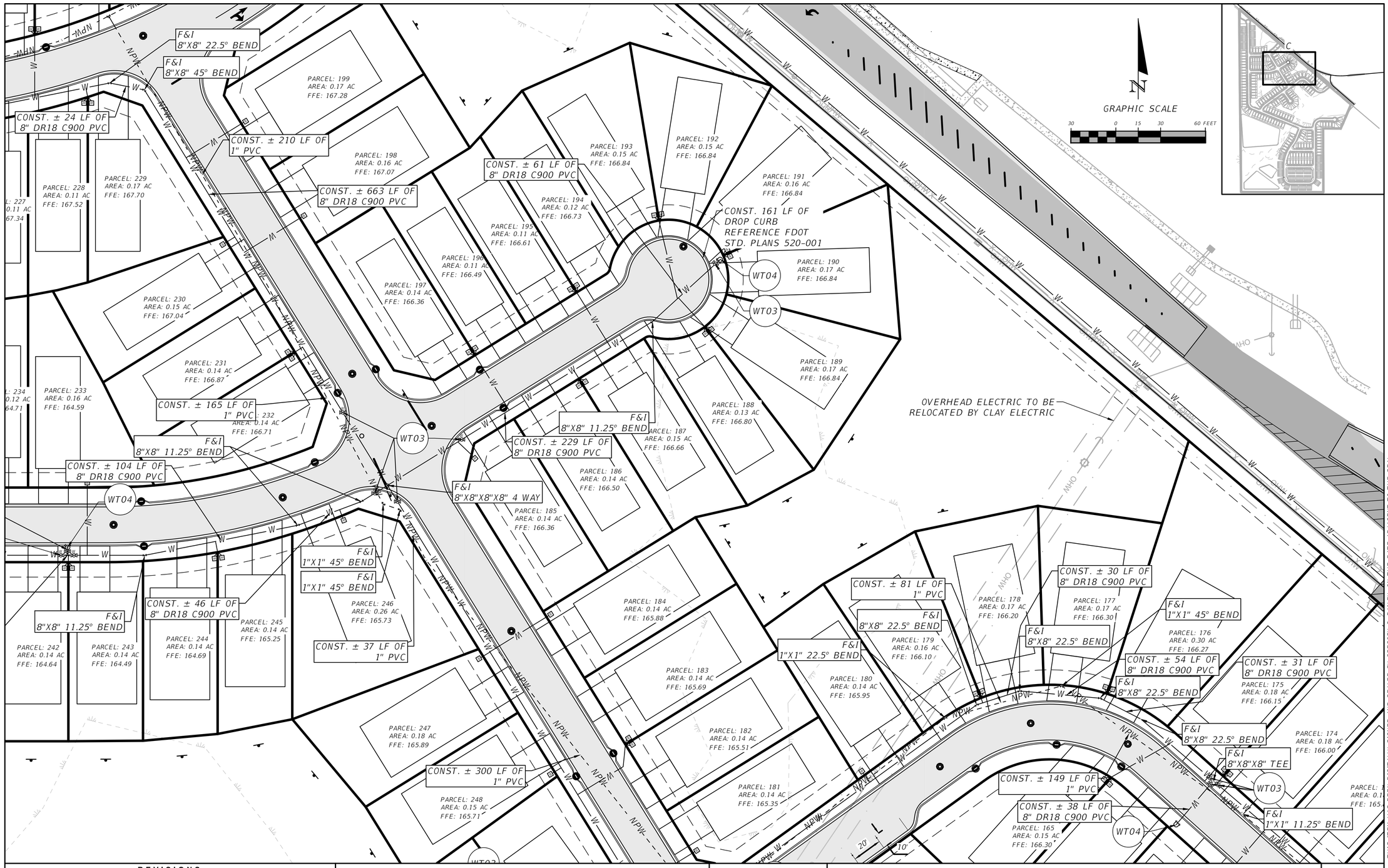

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SITE & WATER PLAN C

HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-10

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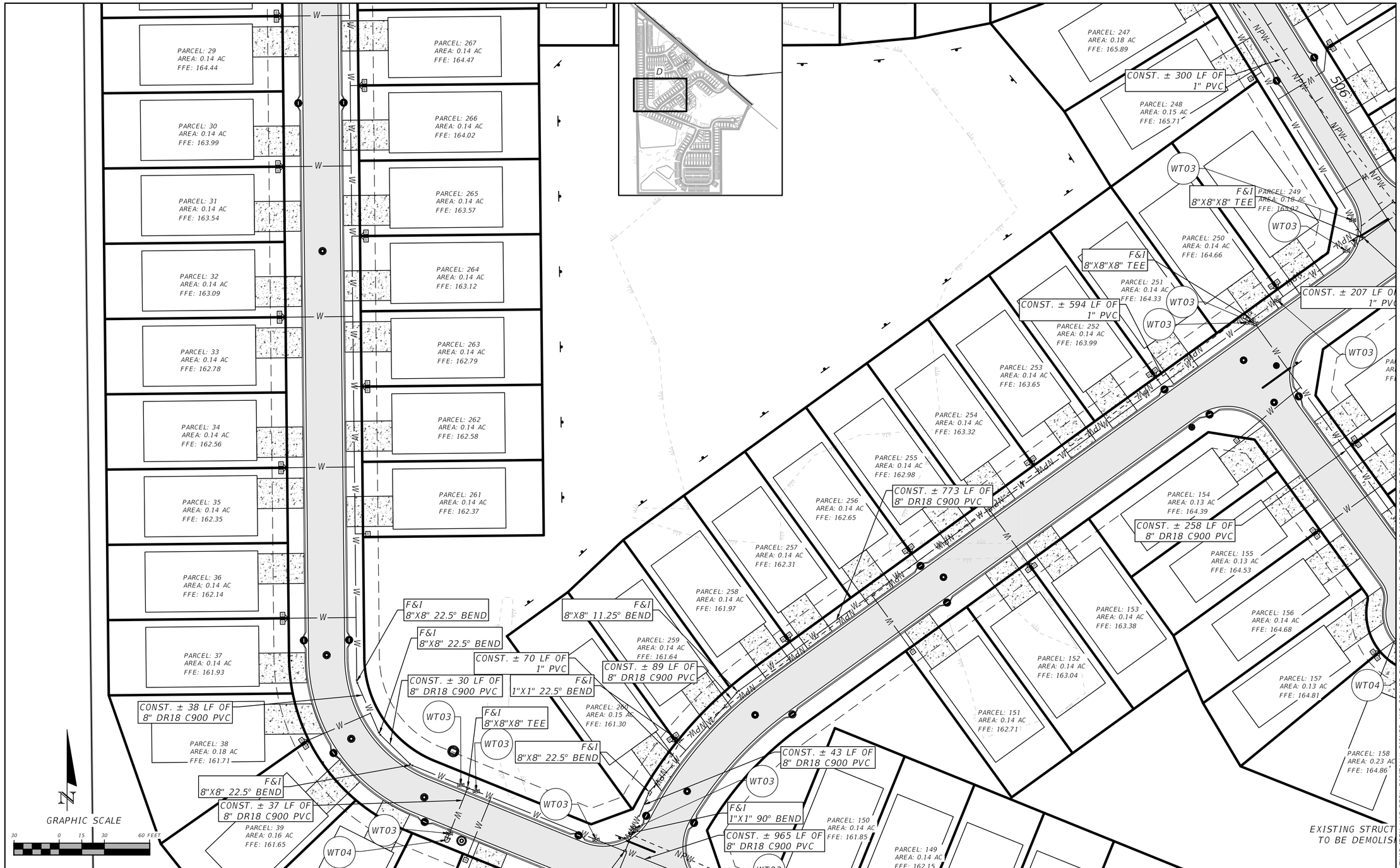

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SITE & WATER PLAN D

HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-11

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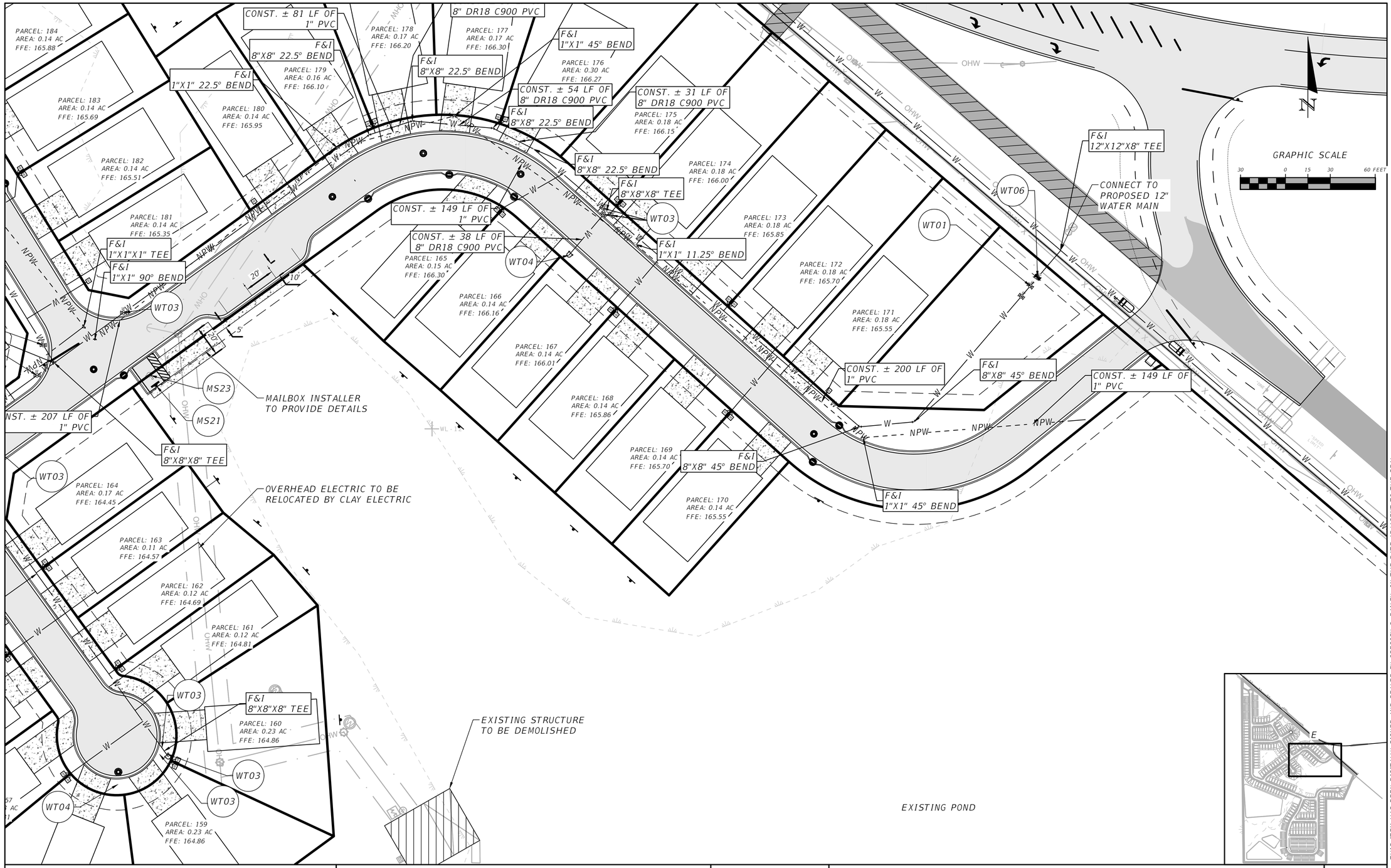

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CA# 29011

JOB NUMBER: L230419GAR
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P.E. NO.: 43858

SITE & WATER PLAN E

HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-12

± 38 LF OF 8 C900 PVC

PARCEL: 38
AREA: 0.18 AC
FFE: 161.71

WT03

F&I 8"X8" TEE

F&I 8"X8" 22.5° BEND

PARCEL: 260
AREA: 0.15 AC
FFE: 161.30

CONST. ± 43 LF OF 8" DR18 C900 PVC

F&I 8"X8" 22.5° BEND

CONST. ± 37 LF OF 8" DR18 C900 PVC

PARCEL: 39
AREA: 0.16 AC
FFE: 161.65

WT04

PARCEL: 40
AREA: 0.17 AC
FFE: 161.50

F&I 1"X1" 90° BEND

PARCEL: 150
AREA: 0.14 AC
FFE: 161.85

CONST. ± 965 LF OF 8" DR18 C900 PVC

PARCEL: 149
AREA: 0.14 AC
FFE: 162.15

PARCEL: 148
AREA: 0.14 AC
FFE: 162.45

PARCEL: 147
AREA: 0.14 AC
FFE: 162.75

F&I 8"X8" TEE

PARCEL: 41
AREA: 0.14 AC
FFE: 161.15

PARCEL: 42
AREA: 0.14 AC
FFE: 160.97

PARCEL: 43
AREA: 0.14 AC
FFE: 161.27

F&I 1"X1" 11.25° BEND

PARCEL: 146
AREA: 0.14 AC
FFE: 163.05

PARCEL: 145
AREA: 0.14 AC
FFE: 163.35

PARCEL: 144
AREA: 0.14 AC
FFE: 163.65

CONST. ± 246 LF OF 1" PVC

PARCEL: 44
AREA: 0.14 AC
FFE: 161.57

PARCEL: 45
AREA: 0.14 AC
FFE: 161.87

PARCEL: 46
AREA: 0.14 AC
FFE: 162.17

PARCEL: 47
AREA: 0.14 AC
FFE: 162.47

CONST. ± 965 LF OF 8" DR18 C900 PVC

PARCEL: 143
AREA: 0.14 AC
FFE: 163.95

PARCEL: 142
AREA: 0.14 AC
FFE: 164.25

PARCEL: 141
AREA: 0.14 AC
FFE: 164.55

PARCEL: 48
AREA: 0.14 AC
FFE: 162.77

PARCEL: 49
AREA: 0.14 AC
FFE: 163.07

CONST. ± 360 LF OF 1" PVC

PARCEL: 50
AREA: 0.14 AC
FFE: 163.37

PARCEL: 51
AREA: 0.14 AC
FFE: 163.67

PARCEL: 52
AREA: 0.14 AC
FFE: 163.97

F&I 1"X1" 11.25° BEND

PARCEL: 151
AREA: 0.14 AC
FFE: 162.71

PARCEL: 158
AREA: 0.23 AC
FFE: 164.86

PARCEL: 159
AREA: 0.23 AC
FFE: 164.86

EXISTING STRUCTURE TO BE DEMOLISHED

MS10

MS10

PARCEL: 53
AREA: 0.16 AC
FFE: 161.76

NPW

W

SWMF NORTH

N

GRAPHIC SCALE

30 0 15 30 60 FEET

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P.E. NO.: 43858

SITE & WATER PLAN F

HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-13

Dalton Kurtz 5/15/2024 11:38:57 AM X:\2023\L230419GAR\H.CADD\Roadway\PLANRD01.DWG C-13 SITE & WATER PLAN F

EXISTING POND

N

GRAPHIC SCALE

30 0 15 30 60 FEET

WALKING PATH

REMOVE DISCARDED CMP IN RAVINE

CONST. ± 294 LF OF 8" DR18 C900 PVC

F&I 8"X8" 22.5° BEND

CONST. ± 38 LF OF 8" DR18 C900 PVC

CONST. ± 65 LF OF 8" DR18 C900 PVC

CONST. ± 166 LF OF 8" DR18 C900 PVC

F&I 1" CORP STOP

CONST. ± 197 LF OF 1" PVC

F&I 8"X8" 11.25° BEND

CONST. ± 59 LF OF 8" DR18 C900 PVC

F&I 8"X8" 11.25° BEND

F&I 1"X1" 90° BEND

CONST. ± 268 LF OF 8" DR18 C900 PVC

F&I 8"X8" 22.5° BEND

F&I 8"X8" 45° BEND

F&I 8"X8"X8" TEE

CONST. ± 483 LF OF 8" DR18 C900 PVC

WT03 WT04 MS10

PARCEL: 140 AREA: 0.24 AC FFE: 166.40

PARCEL: 139 AREA: 0.24 AC FFE: 166.40

PARCEL: 138 AREA: 0.24 AC FFE: 166.28

PARCEL: 137 AREA: 0.14 AC FFE: 165.98

PARCEL: 136 AREA: 0.14 AC FFE: 165.71

PARCEL: 135 AREA: 0.14 AC FFE: 165.43

PARCEL: 134 AREA: 0.20 AC FFE: 165.17

PARCEL: 133 AREA: 0.17 AC FFE: 163.96

PARCEL: 132 AREA: 0.14 AC FFE: 163.69

PARCEL: 131 AREA: 0.14 AC FFE: 163.39

PARCEL: 273 AREA: 0.14 AC FFE: 163.56

PARCEL: 272 AREA: 0.14 AC FFE: 164.01

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CA# 29011

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P.E. NO.: 43858

SITE & WATER PLAN G

HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-14

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SITE & WATER PLAN H

HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-15

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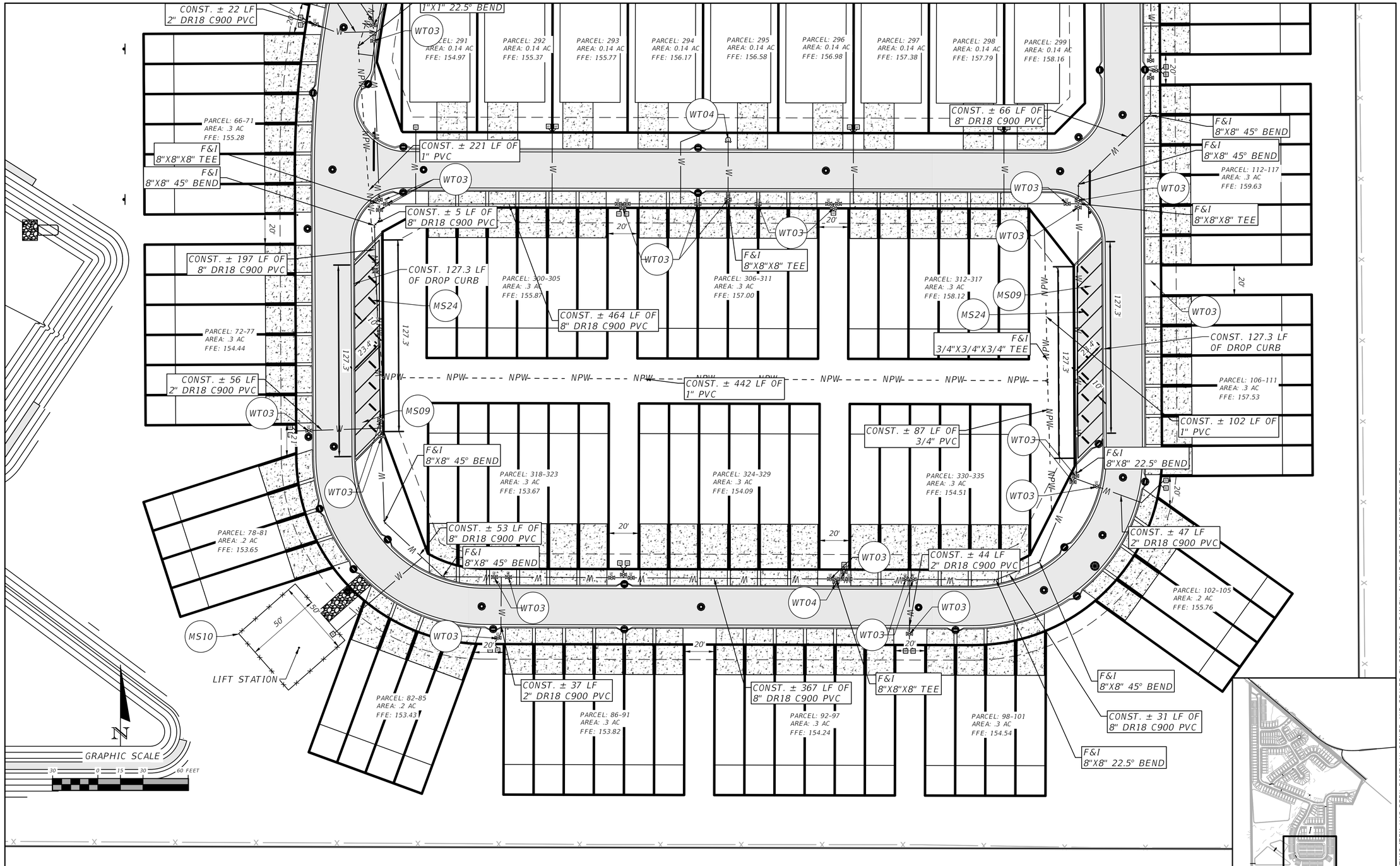

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P.E. NO.: 43858

SITE & WATER PLAN I

HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

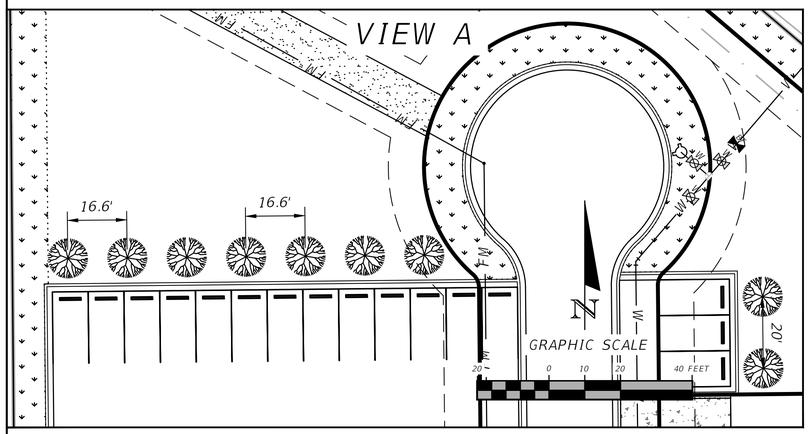
SHEET NO. C-16

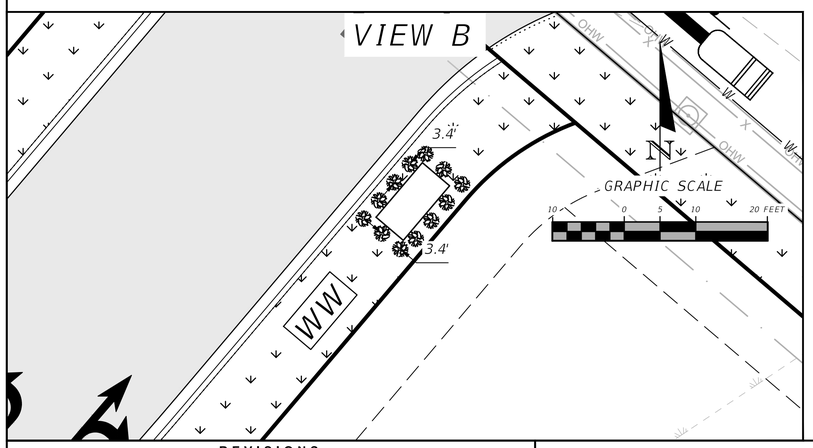
Dalton Kurtz 5/15/2024 11:39:26 AM X:\2023\L230419GAR\H.CADD\Roadway\PLANRD01.DWG C-16 SITE & WATER PLAN I

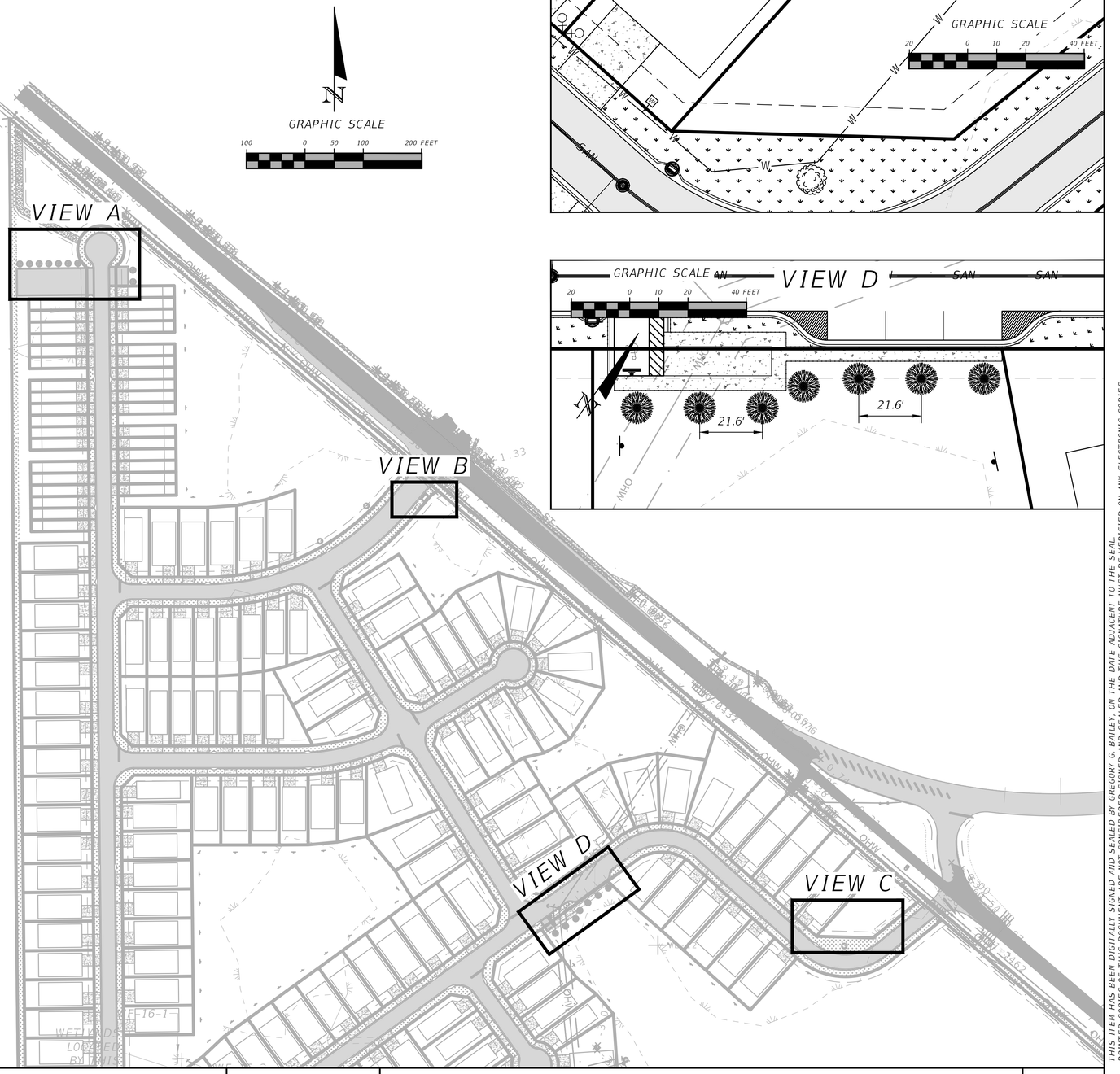
LANDSCAPE NOTES

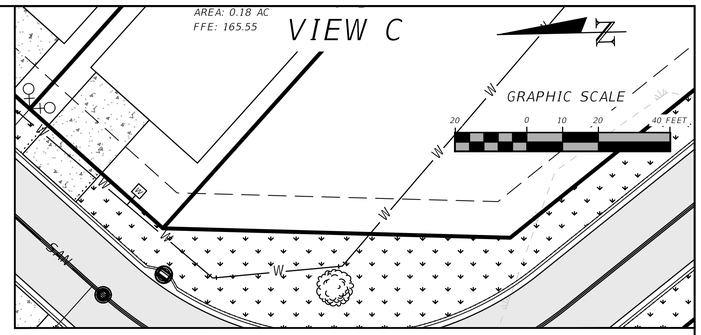
1) ALL TREES SHALL HAVE A MIN. HEIGHT OF 4' AT THE TIME OF PLANTING, UNLESS OTHERWISE NOTED IN THE PLANS.
2) SHRUBS AND HEDGES SHALL HAVE A MIN. HEIGHT OF 18" AND A MIN. SPREAD OF 15" AT THE TIME OF PLANTING.
3) REFER TO PLANTING LEGEND FOR PLANT MATERIAL NAMES, ABBREVIATIONS, SPECIFIC SIZES, AND ADDITIONAL INFORMATION.
4) SEE SITE DATA TABLE ON C-7 FOR LANDSCAPING REQUIREMENTS

SHADE TREE TYPE	NUMBER OF TREE TYPES PROVIDED
FLORIDA ELM	19
BALD CYPRESS	18
SOUTHERN MAGNOLIA	3
CREPE MYRTLE	3
DWARF AZALEAS	12









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JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

NORTH LANDSCAPE PLAN
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-17

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LANDSCAPE NOTES

1) ALL TREES SHALL HAVE A MIN. HEIGHT OF 4' AT THE TIME OF PLANTING, UNLESS OTHERWISE NOTED IN THE PLANS.
2) SHRUBS AND HEDGES SHALL HAVE A MIN. HEIGHT OF 18" AND A MIN. SPREAD OF 15" AT THE TIME OF PLANTING.
3) REFER TO PLANTING LEGEND FOR PLANT MATERIAL NAMES, ABBREVIATIONS, SPECIFIC SIZES, AND ADDITIONAL INFORMATION.
4) SEE SITE DATA TABLE ON C-7 FOR LANDSCAPING REQUIREMENTS

SHADE TREE TYPE	NUMBER OF TREE TYPES PROVIDED
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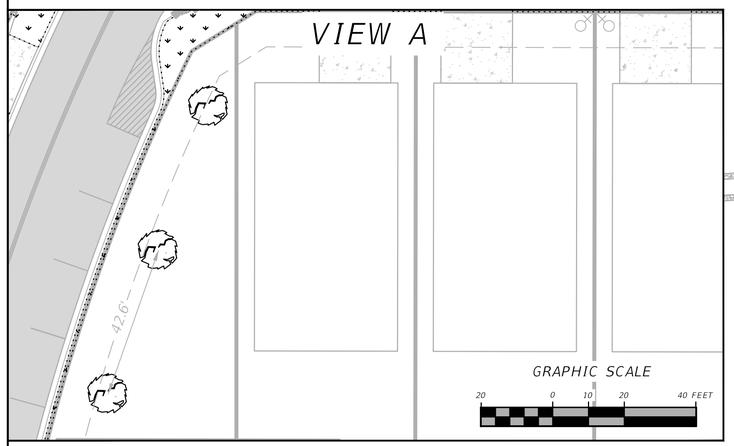
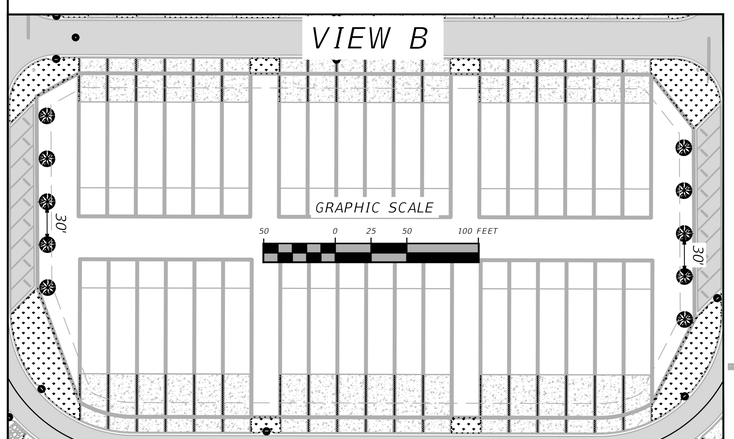
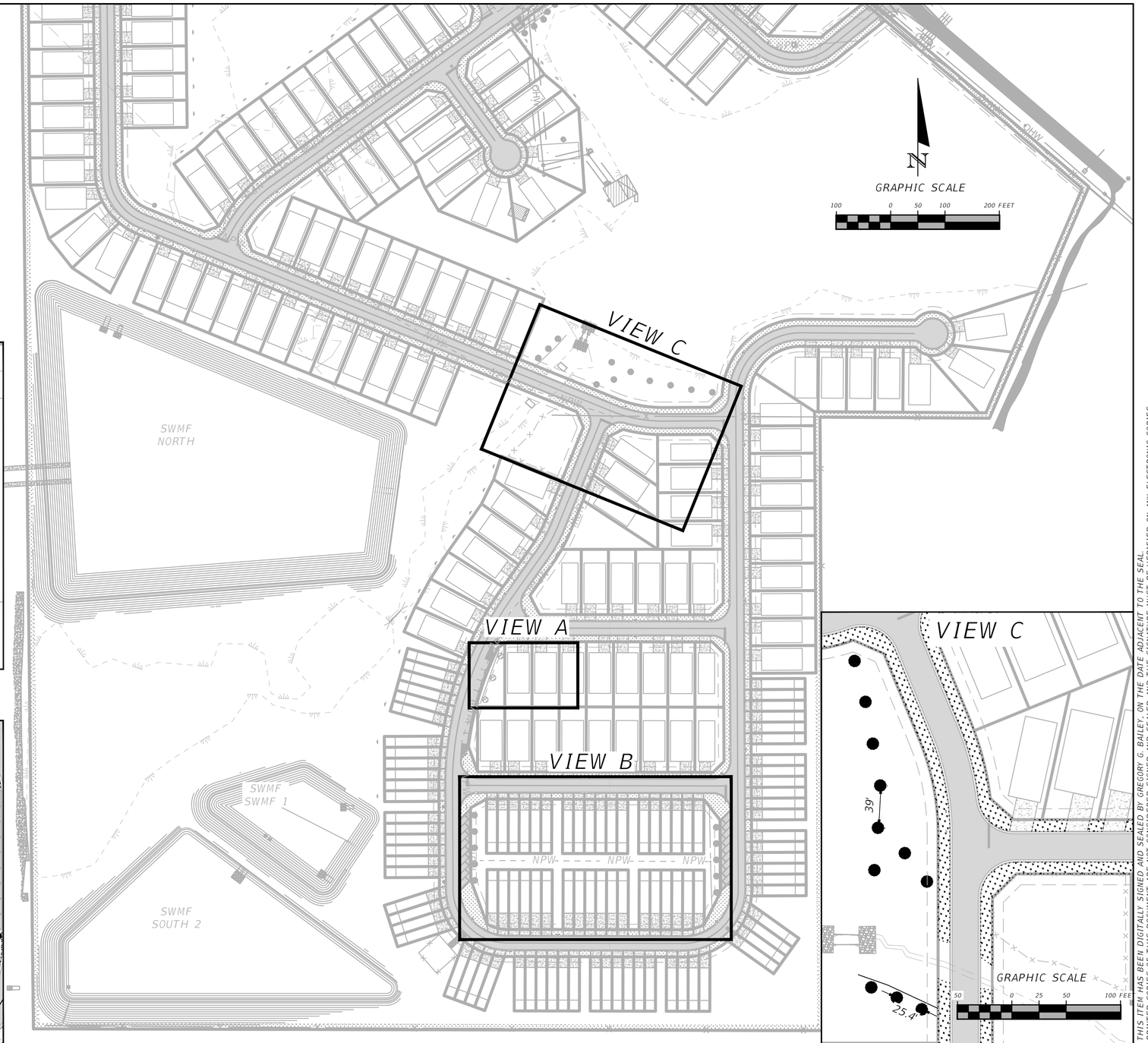
BALD CYPRESS	18
SOUTHERN MAGNOLIA	3
CREPE MYRTLE	3
DWARF AZALEAS	12







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CA# 29011

JOB NUMBER: L230419GAR
EOR: 43858
P.E. NO.: GREGORY G. BAILEY

SOUTH LANDSCAPE PLAN
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-18

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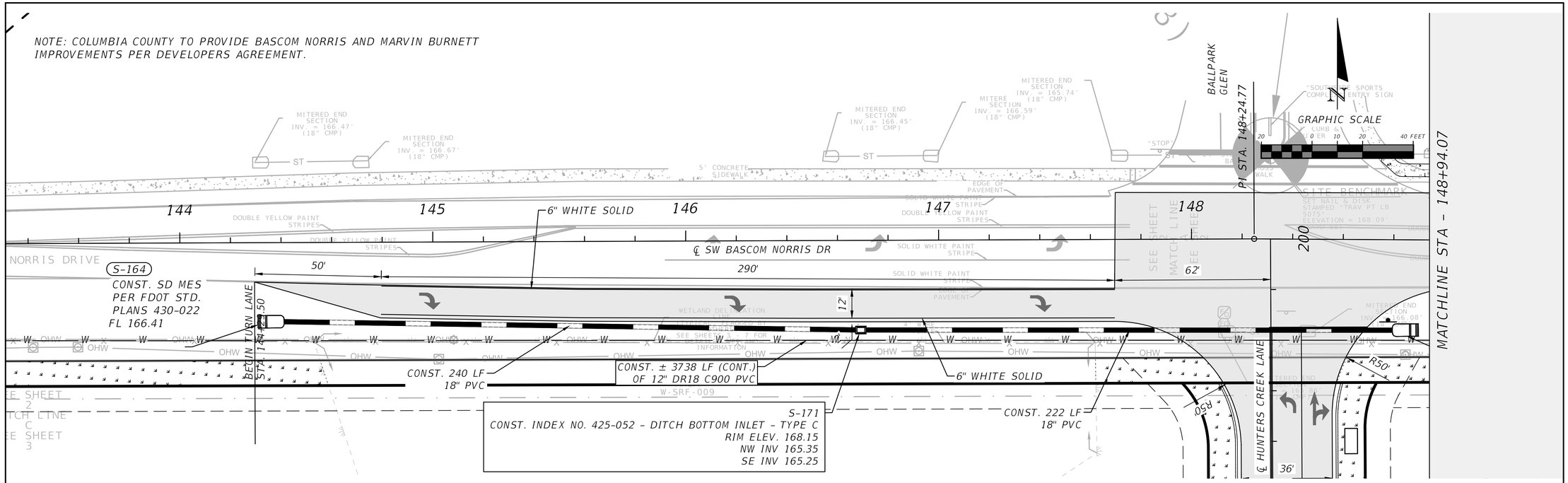
NOTE: COLUMBIA COUNTY TO PROVIDE BASCOM NORRIS AND MARVIN BURNETT IMPROVEMENTS PER DEVELOPERS AGREEMENT.



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CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

SW BASCOM NORRIS DR PLAN
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-19

Dalton Kurtz 5/15/2024 11:40:42 AM X:\2023\L230419GAR\H.CADD\Roadway\PLPRRD01.dwg C-19 SW BASCOM NORRIS DR PLAN

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NOTE: COLUMBIA COUNTY TO PROVIDE BASCOM NORRIS AND MARVIN BURNETT IMPROVEMENTS PER DEVELOPERS AGREEMENT.

EXISTING EOP

BEGIN TRANSITION
STA. 155+77.01

GRAPHIC SCALE
20 0 10 20 40 FEET

6" DOUBLE YELLOW SOLID

18" YELLOW @ 10' O.C. (TYP.)
45° SLANT

6" WHITE SOLID

CONST. ± 34 LF OF 24"
SOLID WHITE STOP BAR

6" WHITE SOLID

MATCHLINE STA – 160+80.00

BEGIN TRANSITION
STA. 160+47.370

6" WHITE SOLID

STA. 50+19.71
BEGIN SUPER TRANS.

BEGIN TURN LANE
STA. 156+48.30

6" WHITE SOLID

6" WHITE SOLID

END TURN LANE
STA. 158+48.30

BEGIN TURN LANE
STA. 159+69.81

PC STA. 50+50.02

STA. 50+79.71
BEGIN FULL SUPER

MATCHLINE STA – 160+80.00

PT STA. 161+59.81

PI STA. 163+83.07

6" WHITE SOLID

6" DOUBLE YELLOW SOLID

18" YELLOW @ 10' O.C. (TYP.)
45° SLANT

GRAPHIC SCALE
20 0 10 20 40 FEET

6" DOUBLE YELLOW SOLID

STA. 162+54.82

6" WHITE SOLID

END TRANSITION
STA. 165+24.82

REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

SW BASCOM NORRIS DR PLAN
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-20

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NOTE: COLUMBIA COUNTY TO PROVIDE BASCOM NORRIS AND MARVIN BURNETT IMPROVEMENTS PER DEVELOPERS AGREEMENT.

CONST. ± 34 LF OF 24" SOLID WHITE STOP BAR

R48'

PC STA. 50+50.02

STA. 50+79.71 BEGIN FULL SUPER

STA. 50+19.71 BEGIN SUPER TRANS.

6" DOUBLE YELLOW SOLID

6" WHITE SOLID

STA. 51+86.68 END FULL SUPER

PT STA. 52+16.28

STA. 52+46.68 END TRANSITION

EXISTING EOP

SW BASCOM NORRIS DRIVE

℄ SW MARVIN BURNETT RD

BEGIN SUPER TRANS. STA. 50+19.71 PC STA. 50+50.02

R48'

6" WHITE SOLID

CONST. ± 26 LF OF 24" SOLID WHITE STOP BAR

REMOVE ±7991 SQFT OF EXISTING MARVIN BURNETT

R50

STA. 52+60.28 BEGIN WIDENING

STA. 52+80.68 END TRANSITION

STOP

ONLY

R01-1

36"X36"

R03-05R

36"X36"

S-166
CONST. SD MES
PER FDOT STD.
PLANS 430-022
RIM ELEV. 164.78
SE INV 163.07

CONST. 48 LF
18" PIPE CULVERT S/CD

S-167
CONST. SD MES
PER FDOT STD.
PLANS 430-022
RIM ELEV. 164.66
NW INV 162.96

℄ ALLIGATOR LANE

24'

6" DOUBLE YELLOW SOLID

PC STA. 601+69.60

CURVE DATA SW MARVIN BURNETT RD (13)

PI STA.	= 51+41.53
DELTA	= 59° 32' 14"
D	= 35° 48' 36"
T	= 91.52
L	= 166.26
R	= 160.00
PC STA.	= 50+50.02
PT STA.	= 52+16.28
e	= 5

CURVE DATA ALLIGATOR LANE (6)

PI STA.	= 602+54.55
DELTA	= 80° 41' 35"
D	= 57° 17' 45"
T	= 84.95
L	= 140.84
R	= 100.00
PC STA.	= 601+69.60
PT STA.	= 603+10.44
e	= 2%

GRAPHIC SCALE

20 0 10 20 40 FEET

MATCH LINE SEE SHEET 4

PARCEL 171 AREA: 0.18 AC FFE: 165.35

PARCEL 172 AREA: 0.18 AC FFE: 163.70

PARCEL 173 AREA: 0.18 AC FFE: 165.85

PT STA.

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WWW.NFPS.NET
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JOB NUMBER: L230419GAR
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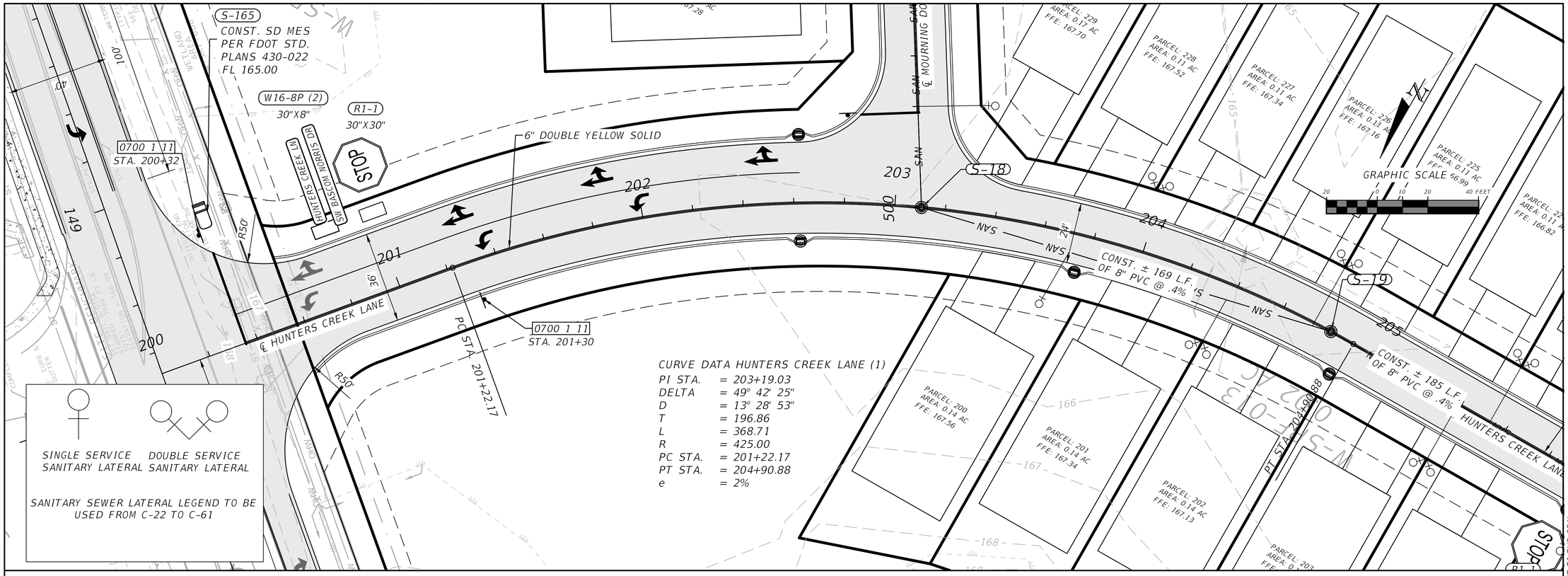
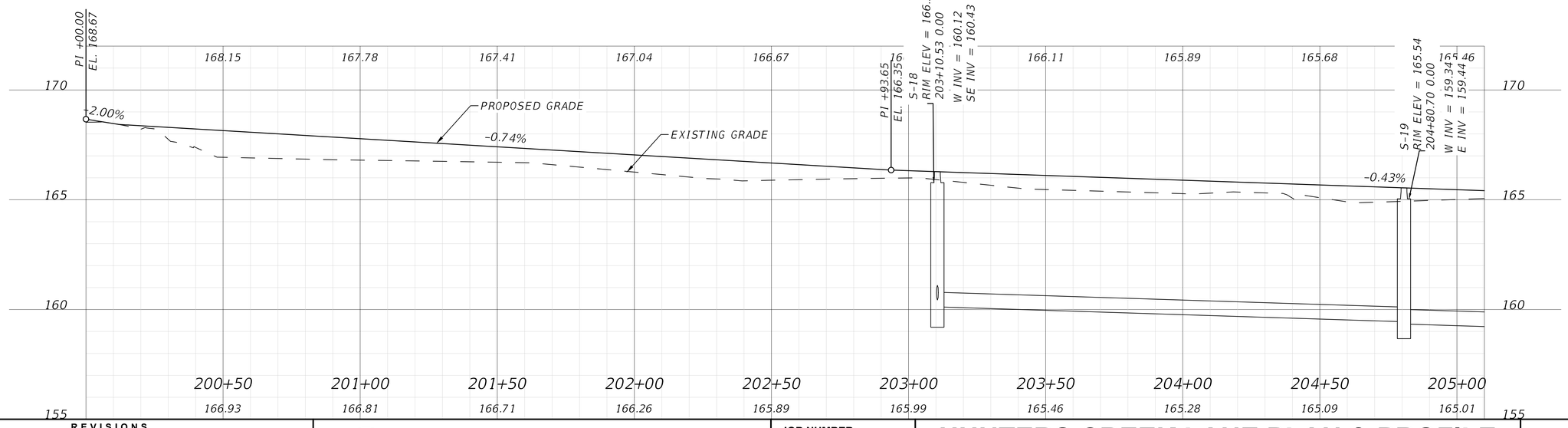
P.E. NO.: 43858

MARVIN BURNETT RD PLAN

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-21





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P.E. NO.: 43858

HUNTERS CREEK LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-22

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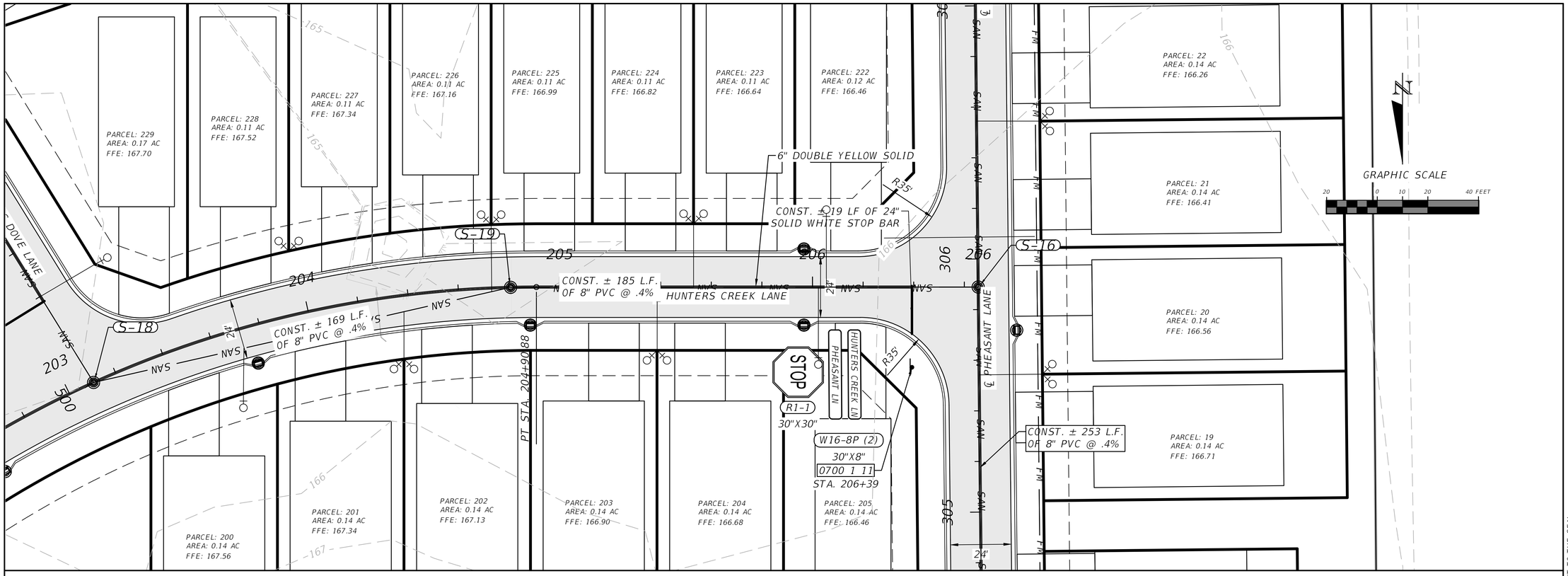

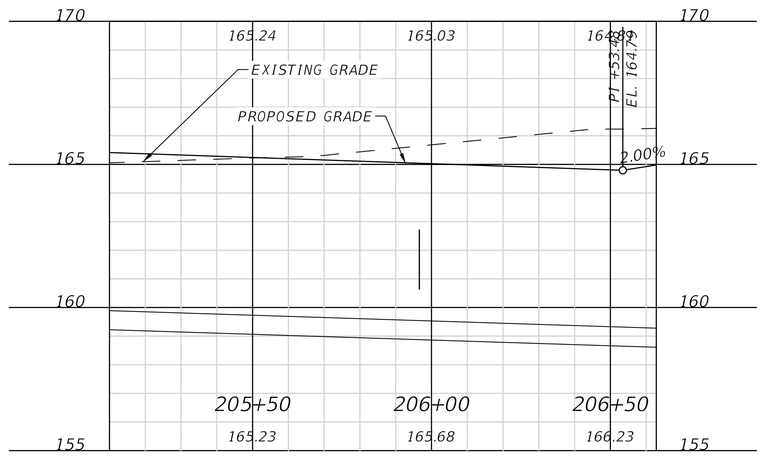

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P.E. NO.: 43858

HUNTERS CREEK LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-23

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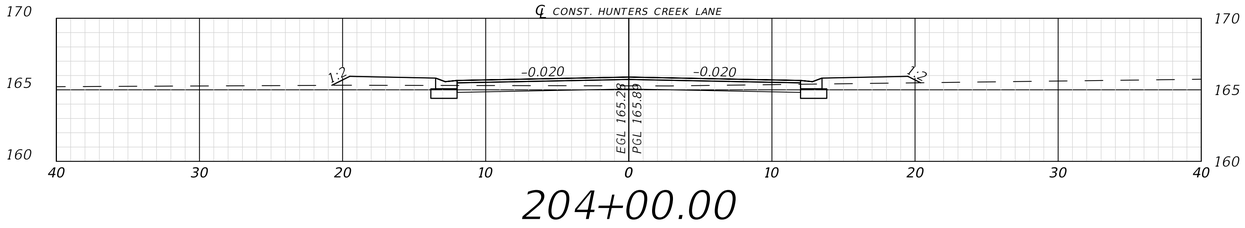
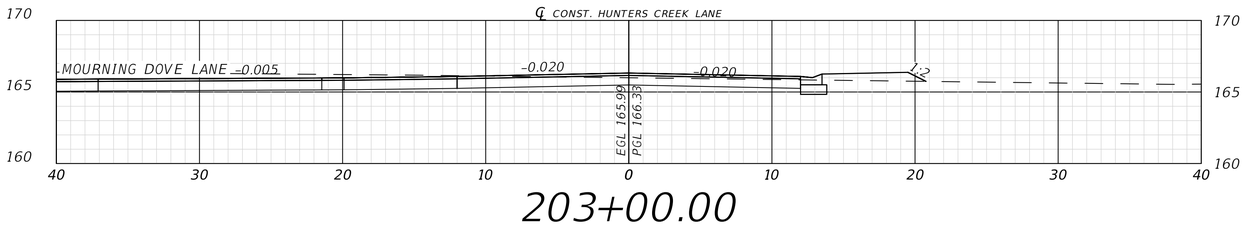
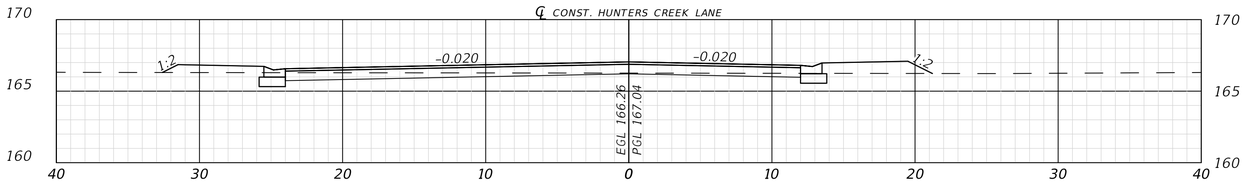


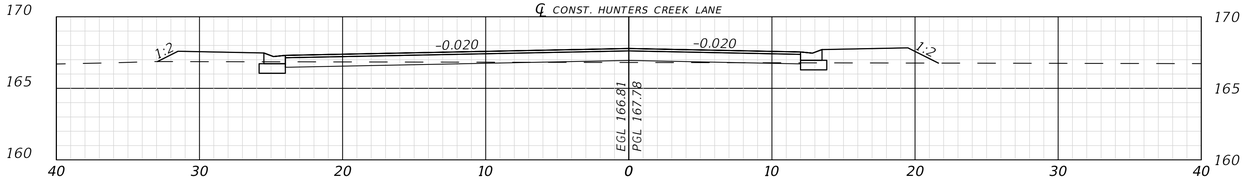
204+00.00



203+00.00



202+00.00



201+00.00

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WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
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P.E. NO.: 43858

HUNTERS CREEK LANE ROADWAY CROSS SECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-24

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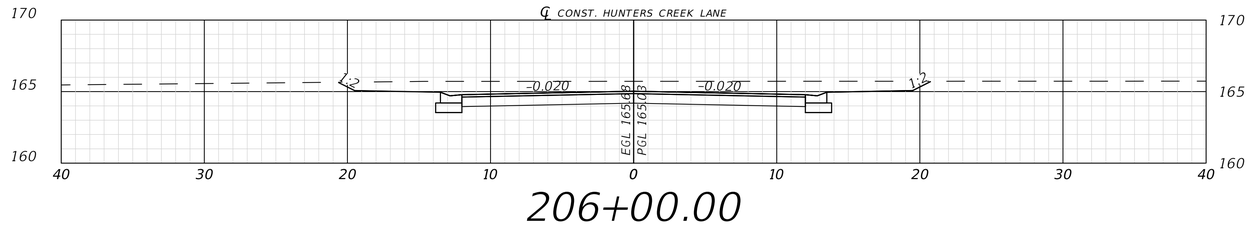
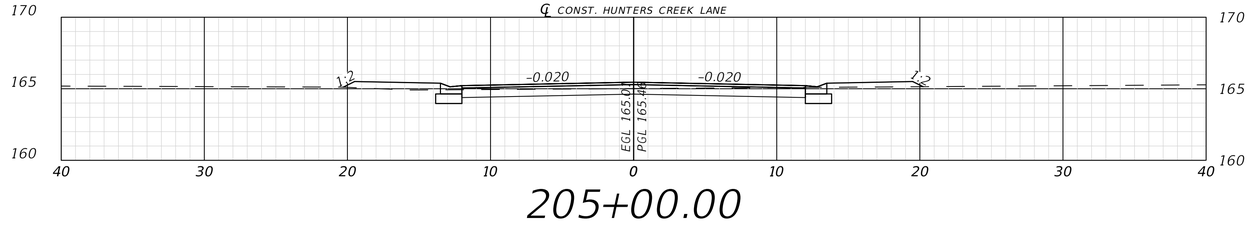


206+00.00



205+00.00

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HUNTERS CREEK LANE ROADWAY CROSS SECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-25

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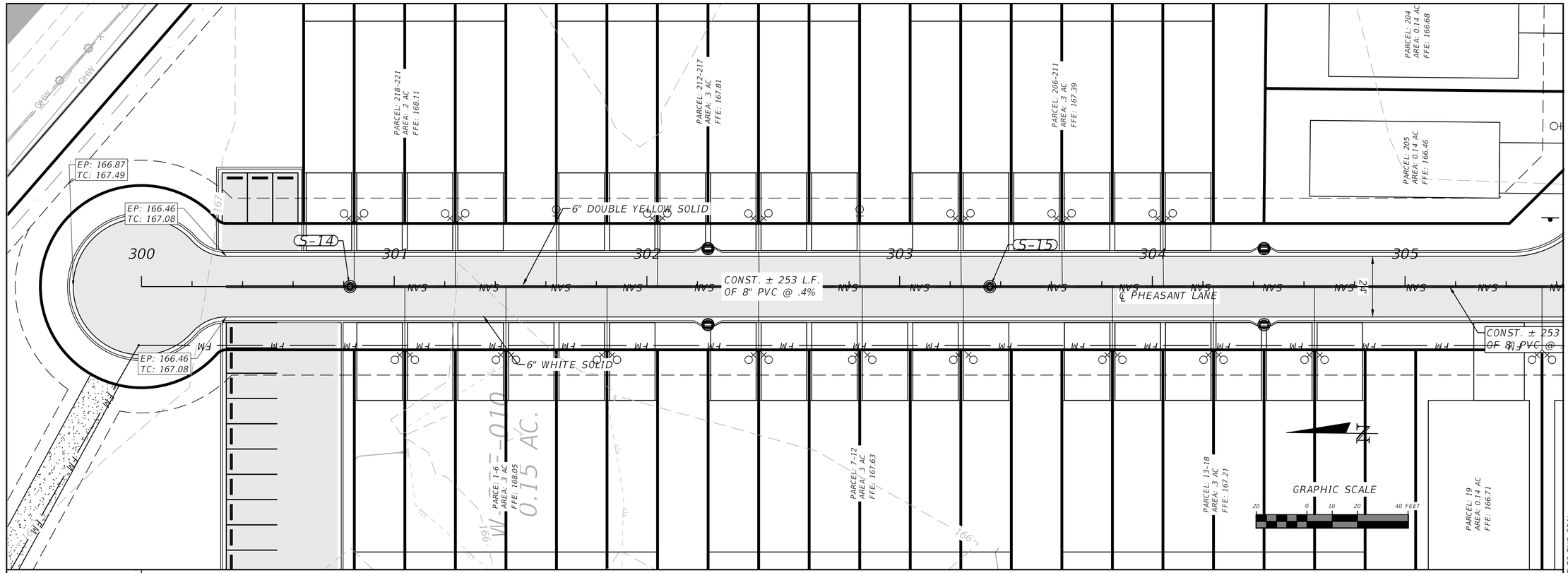

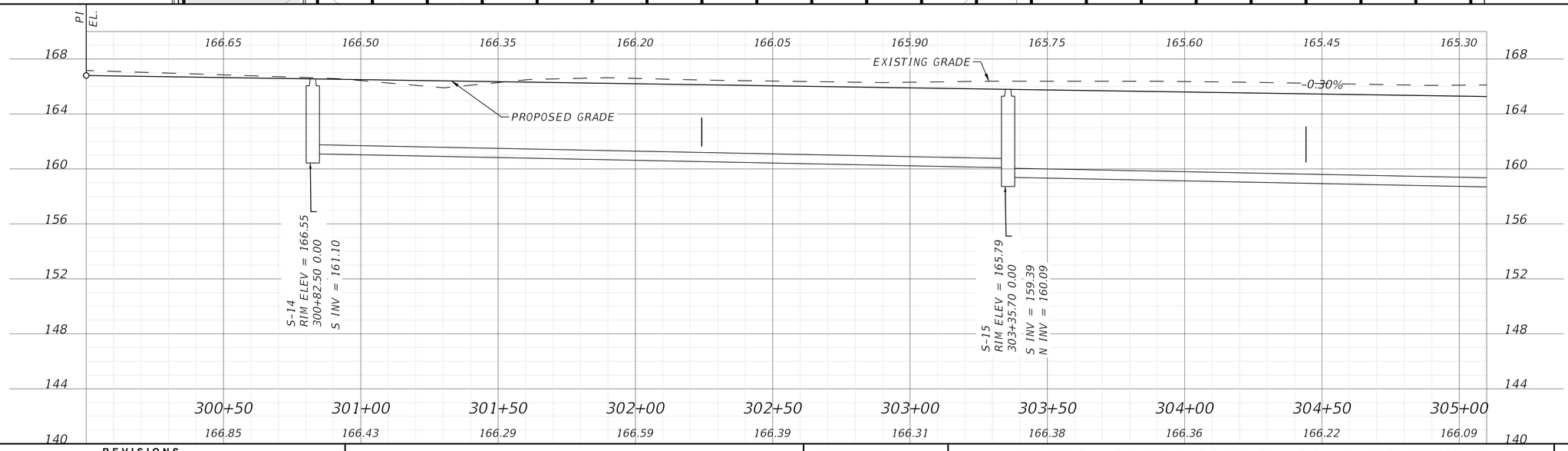

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P.E. NO.: 43858

PHEASANT LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-26

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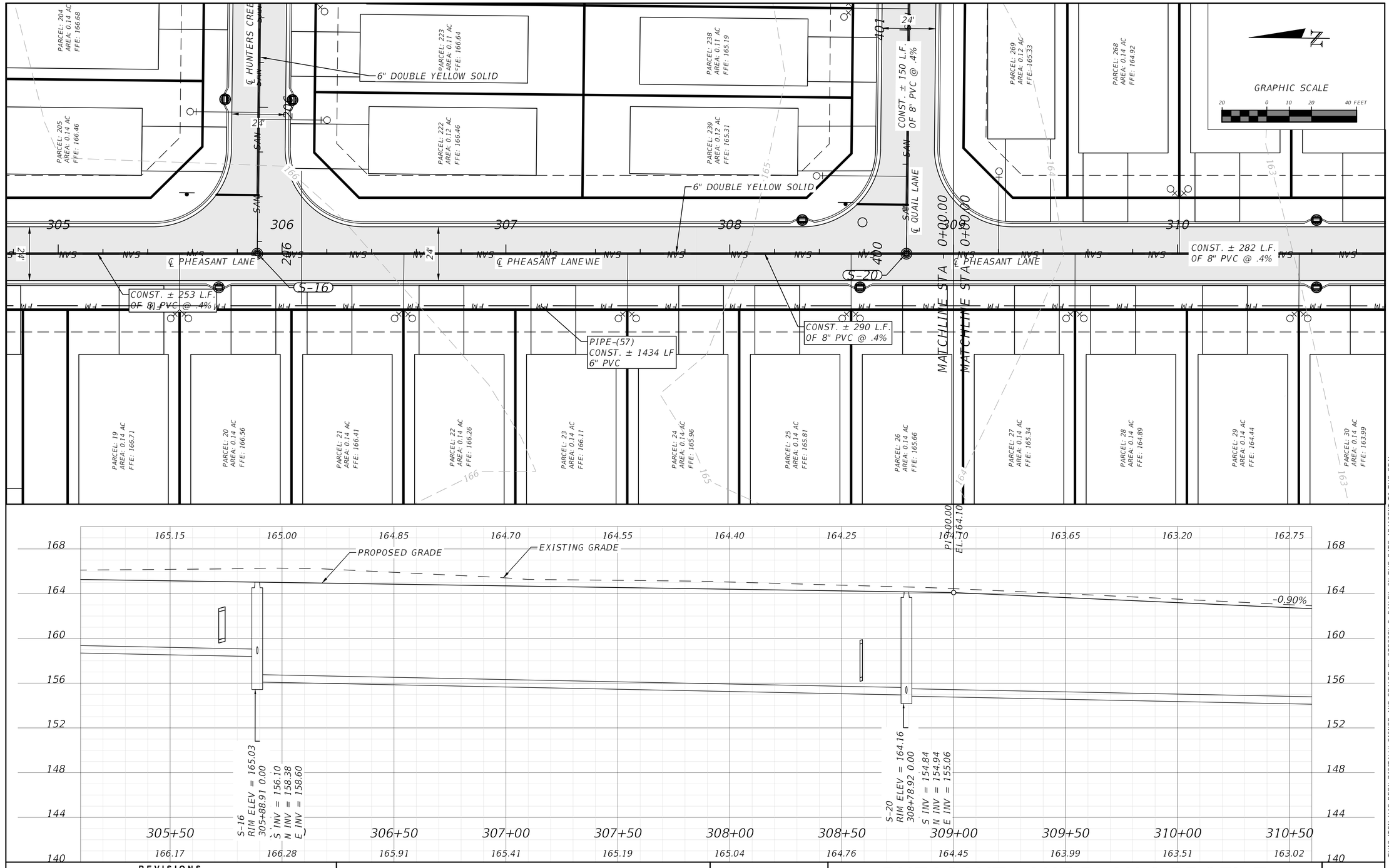

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PHEASANT LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-27

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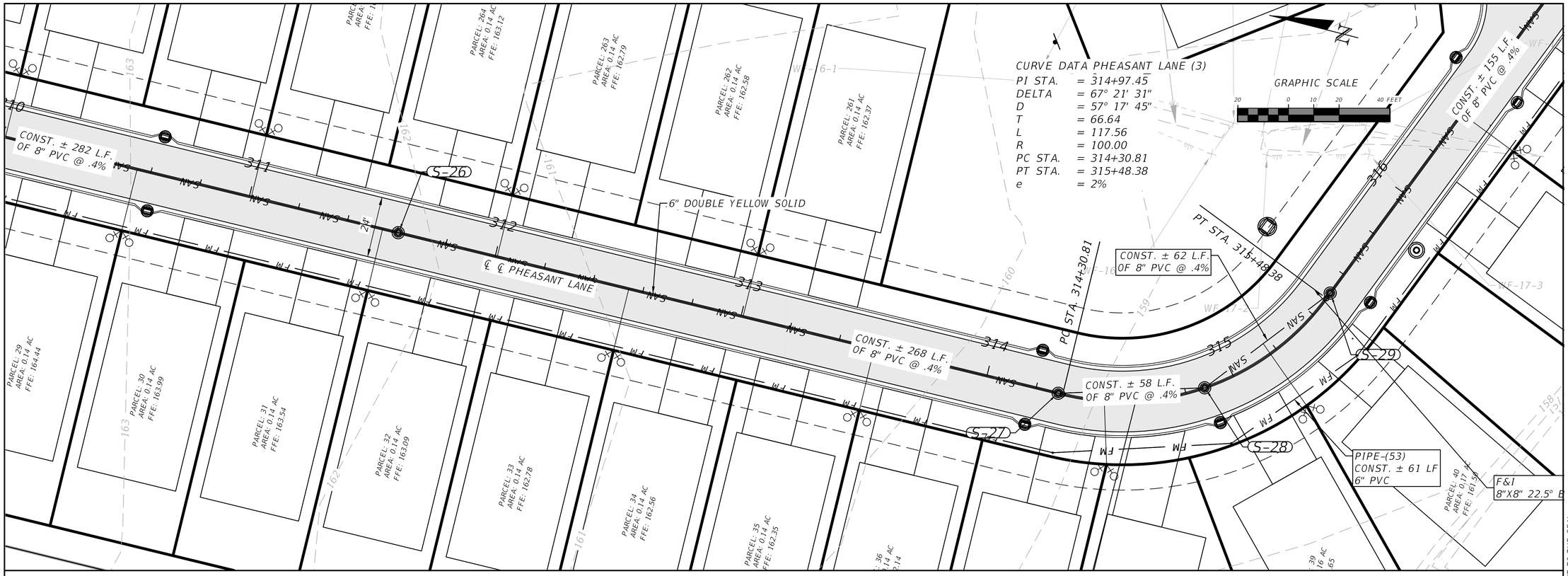

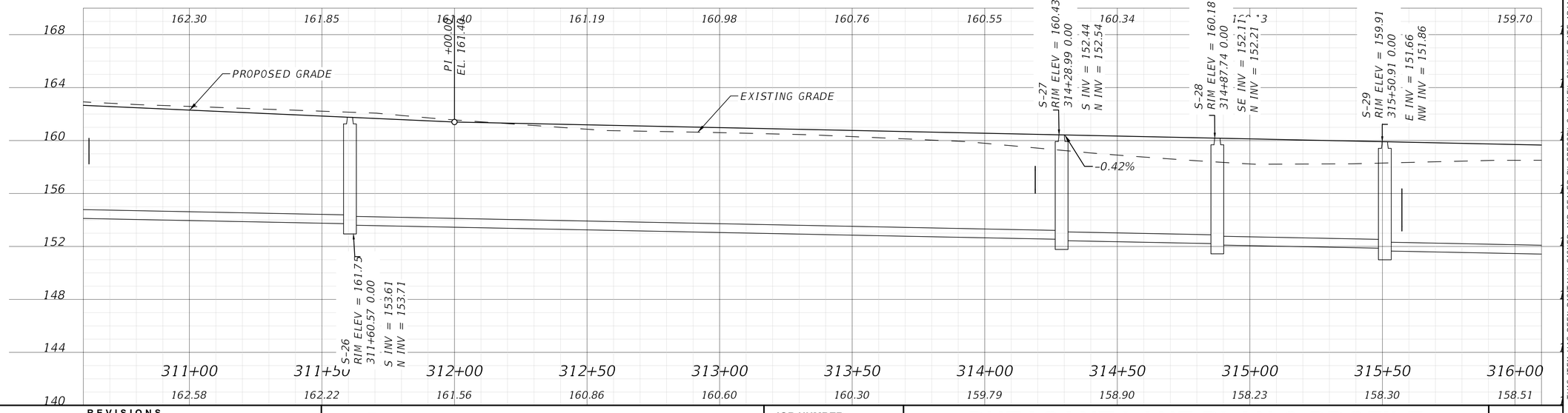

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LAKE CITY, FL 32056
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PHEASANT LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-28

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= 315+48.38
= 2%

PARCEL: 260
AREA: 0.15 AC
FFE: 161.30

CONST. ± 68 L.F.
OF 8" PVC @ .4%

S-42

615

CONST. ± 69 L.F.
OF 8" PVC @ .4%

S-30

PT STA. 615+57.16

CALLIGATOR LANE

SAN

CURVE DATA ALLIGATOR LANE (4)

PI STA.	= 614+89.06
DELTA	= 32° 04' 43"
D	= 22° 55' 06"
T	= 71.87
L	= 139.97
R	= 250.00
PC STA.	= 614+17.19
PT STA.	= 615+57.16
e	= 2%

PARCEL: 150
AREA: 0.14 AC
FFE: 161.85

PARCEL: 149
AREA: 0.14 AC
FFE: 162.15

PARCEL: 148
AREA: 0.14 AC
FFE: 162.45

PARCEL: 147
AREA: 0.14 AC
FFE: 162.75

PARCEL: 146
AREA: 0.14 AC
FFE: 163.05

PARCEL: 145
AREA: 0.14 AC
FFE: 163.35

PARCEL: 14
AREA: 0.14
FFE: 163

GRAPHIC SCALE
20 0 10 20 40 FEET

6" DOUBLE YELLOW SOLID

S-43

316 317 318 319 320 321

CONST. ± 155 L.F.
OF 8" PVC @ .4%

CONST. ± 283 L.F.
OF 8" PVC @ .4%

CONST. ± 246 L.F.
OF 8" PVC @ .4%

℄ PHEASANT LANE

24'

NVS FM SAN

PIPE-(52)
CONST. ± 885 LF
6" PVC

PARCEL: 41
AREA: 0.14 AC
FFE: 161.15

PARCEL: 42
AREA: 0.14 AC
FFE: 160.97

PARCEL: 43
AREA: 0.14 AC
FFE: 161.27

PARCEL: 44
AREA: 0.14 AC
FFE: 161.57

PARCEL: 45
AREA: 0.14 AC
FFE: 161.87

PARCEL: 46
AREA: 0.14 AC
FFE: 162.17

PARCEL: 47
AREA: 0.14 AC
FFE: 162.47

PARCEL: 48
AREA: 0.14 AC
FFE: 162.77

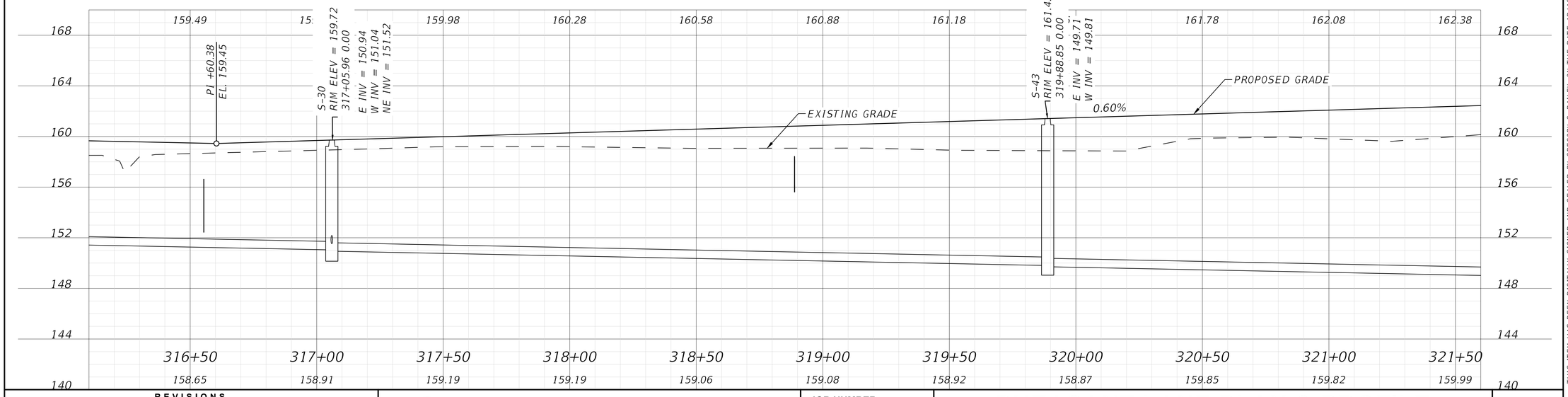
PARCEL: 49
AREA: 0.14 AC
FFE: 163.07

PARCEL: 50
AREA: 0.14 AC
FFE: 163.37

PARCEL: 51
AREA: 0.14 AC
FFE: 163.67

PARCEL: 52
AREA: 0.14 AC
FFE: 163.97

158 159 160 161



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PHEASANT LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-29

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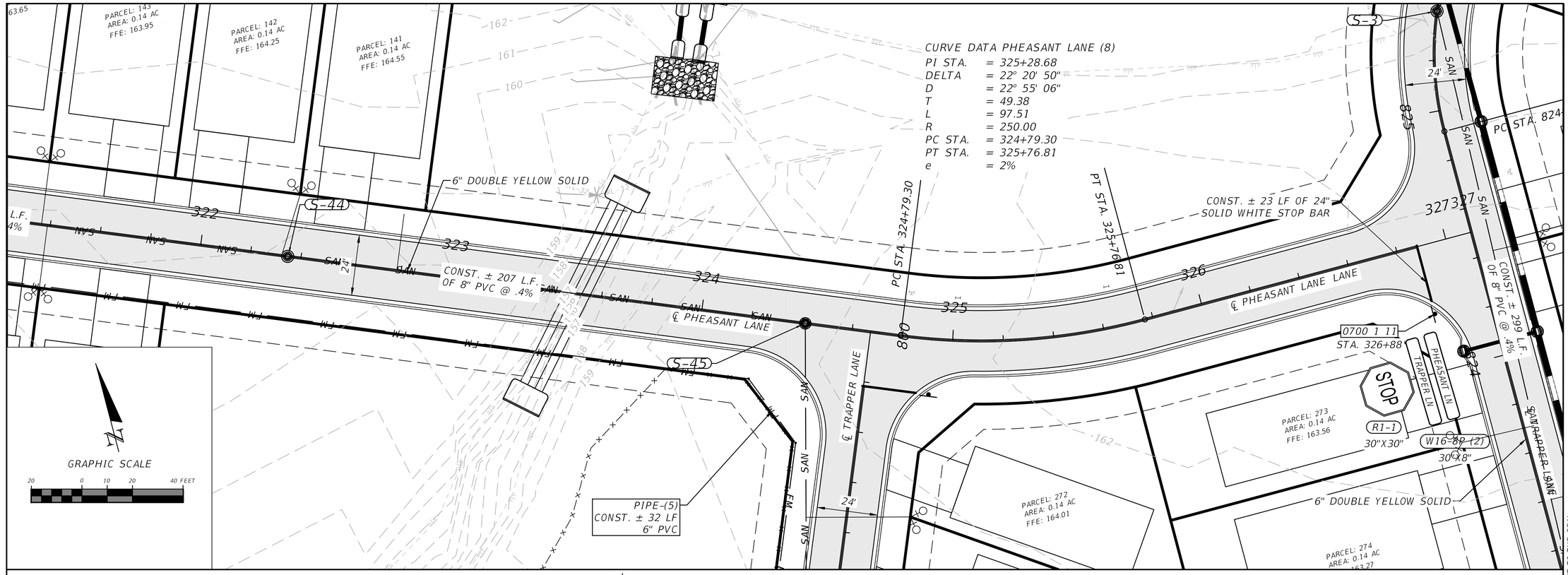

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PHEASANT LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-30

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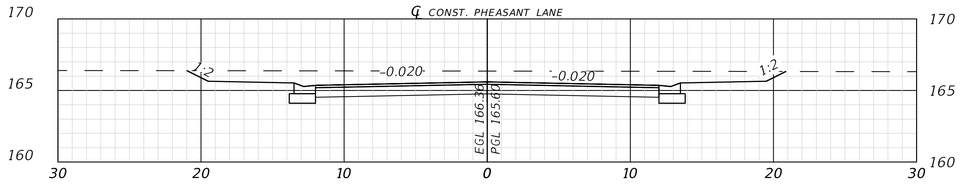
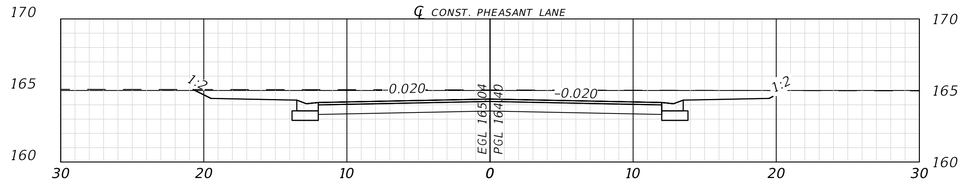


304+00.00



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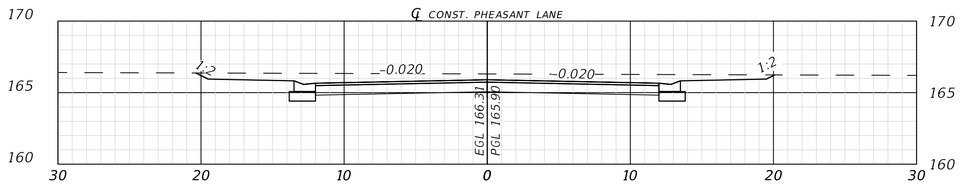

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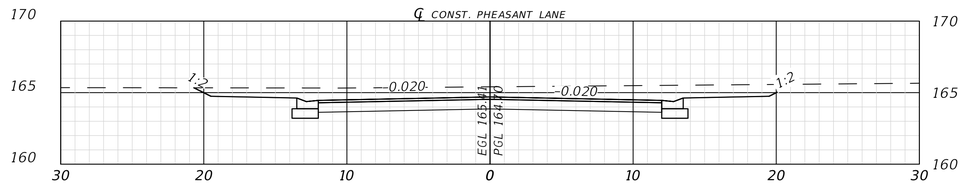

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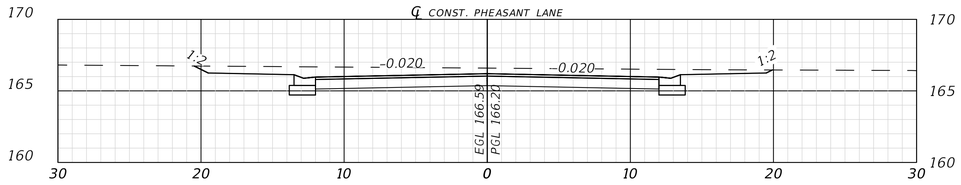

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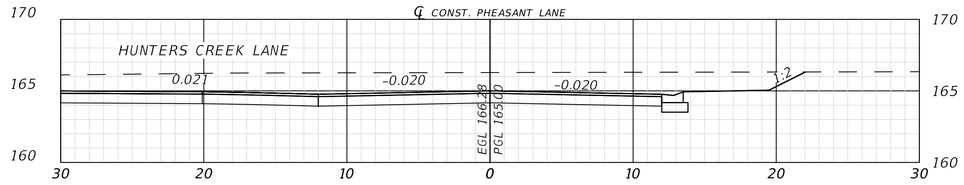

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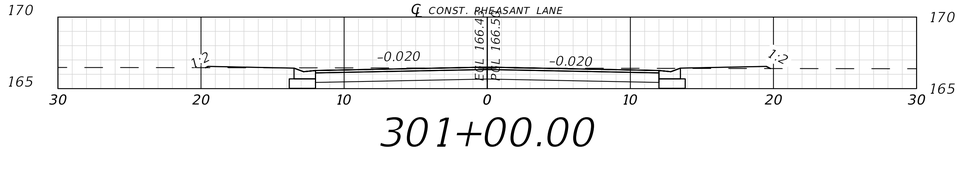

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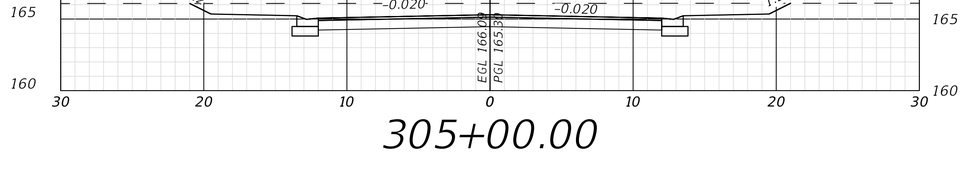

305+00.00

REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823 — LAKE CITY, FL 32056 — PH. 386-752-4675 — LIC NO. LB8356
2551 BLAIRSTONE PINES DR. — TALLAHASSEE, FL 32301 — WWW.NFPS.NET — CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

PHEASANT LANE ROADWAY CROSS SECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-31

Dalton Kurtz 5/15/2024 11:43:12 AM X:\2023\L230419GAR\H.CADD\Roadway\MODLRD01.dwg C-31 PHEASANT LANE ROADWAY CROSS SECTIONS

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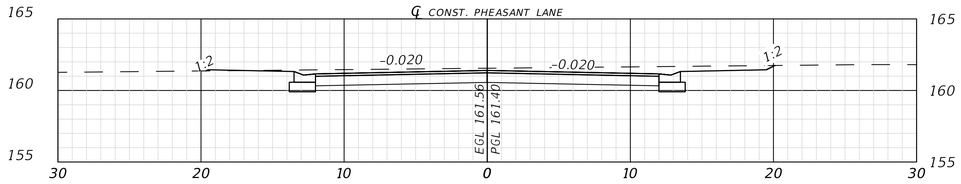

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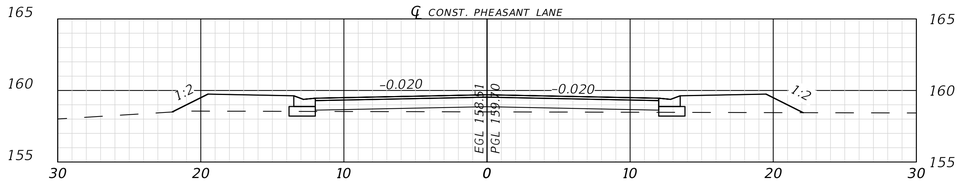

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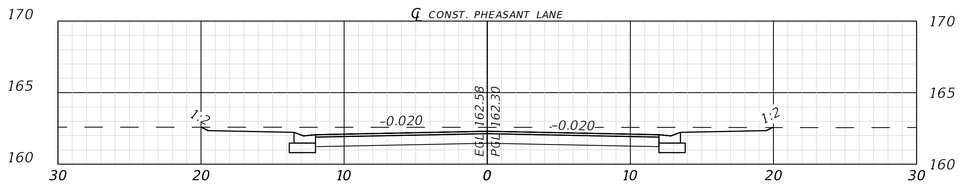

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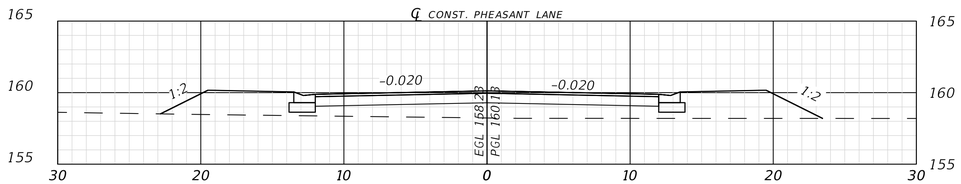

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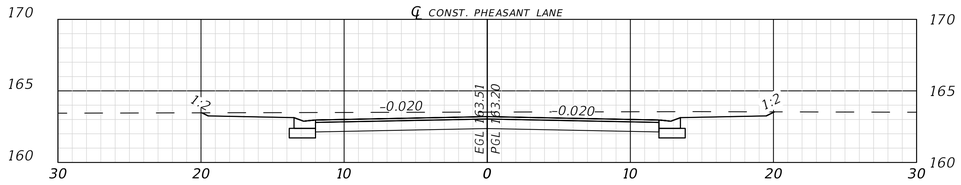

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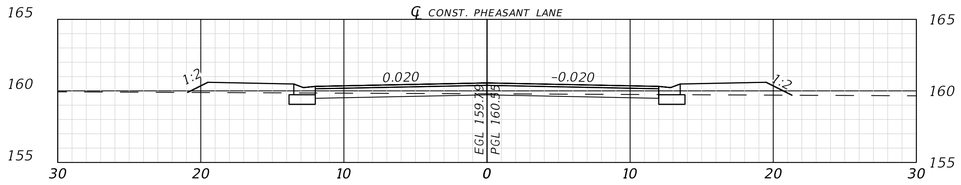

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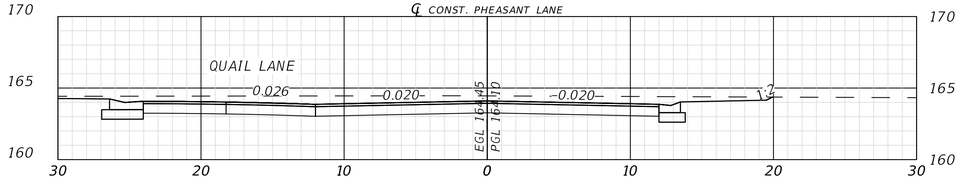

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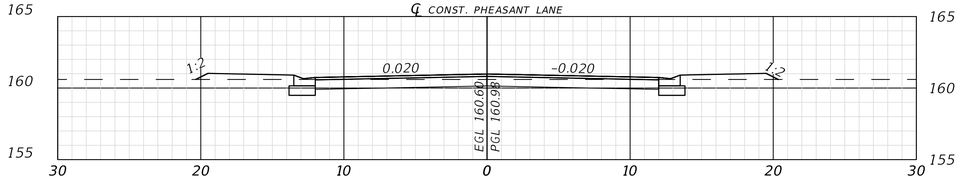

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REVISIONS	
DATE	DESCRIPTION

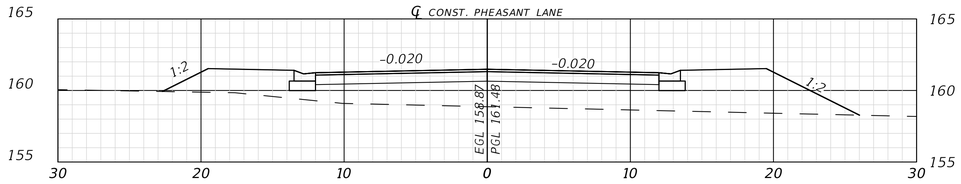
NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

PHEASANT LANE ROADWAY CROSS SECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-32



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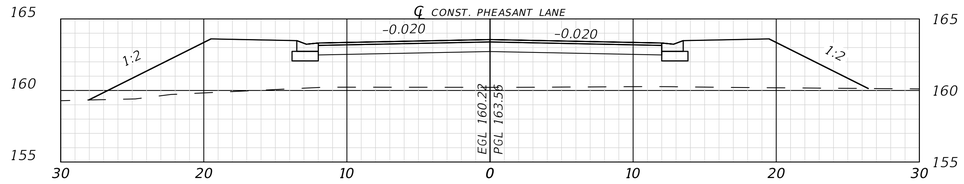

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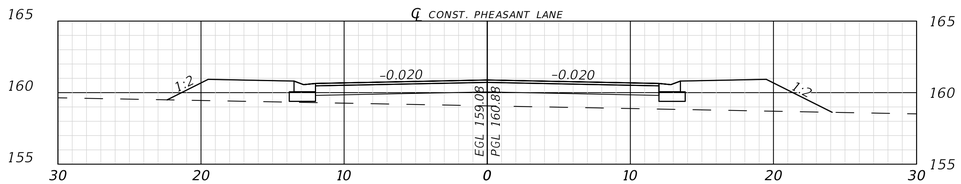

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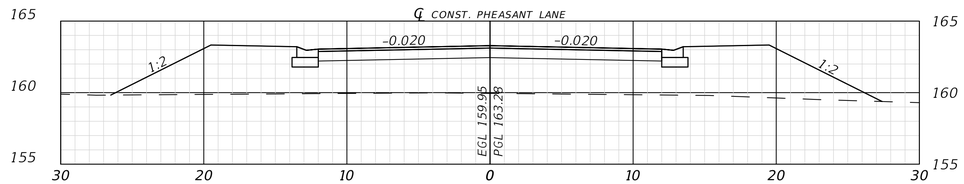

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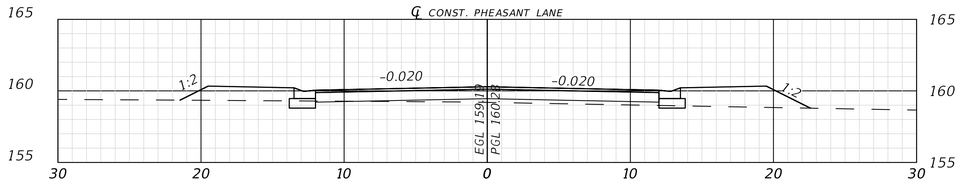

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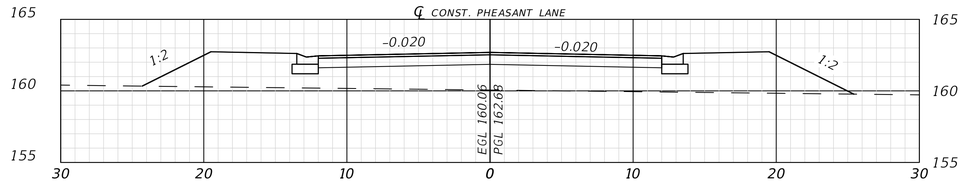

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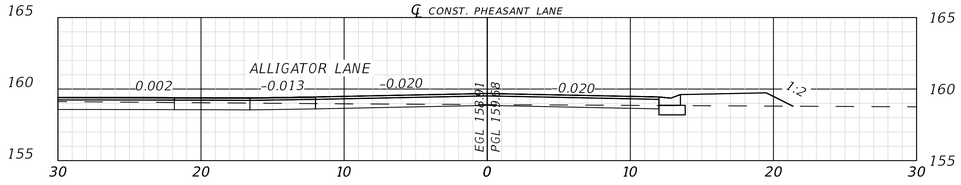

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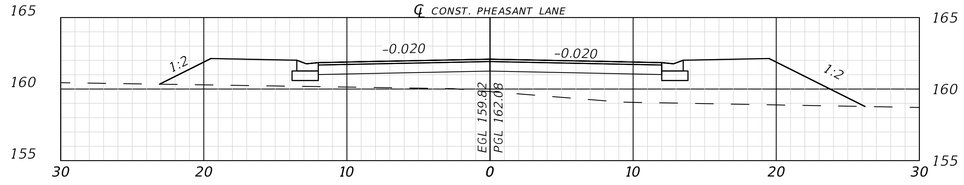

321+00.00

REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.

P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356

2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

PHEASANT LANE ROADWAY CROSS SECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-33

Dalton Kurtz 5/15/2024 11:43:20 AM X:\2023\L230419GAR\H.CADD\Roadway\MODLRD01.dwg C-33 PHEASANT LANE ROADWAY CROSS SECTIONS

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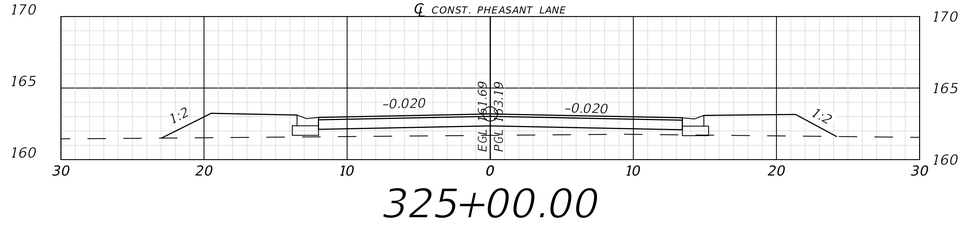

325+00.00

REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.

P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356

2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
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P.E. NO.: 43858

PHEASANT LANE ROADWAY CROSS SECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-34

Dalton Kurtz 5/15/2024 11:43:23 AM X:\2023\L230419GAR\H.CADD\Roadway\MODLRD01.dwg C-34 PHEASANT LANE ROADWAY CROSS SECTIONS

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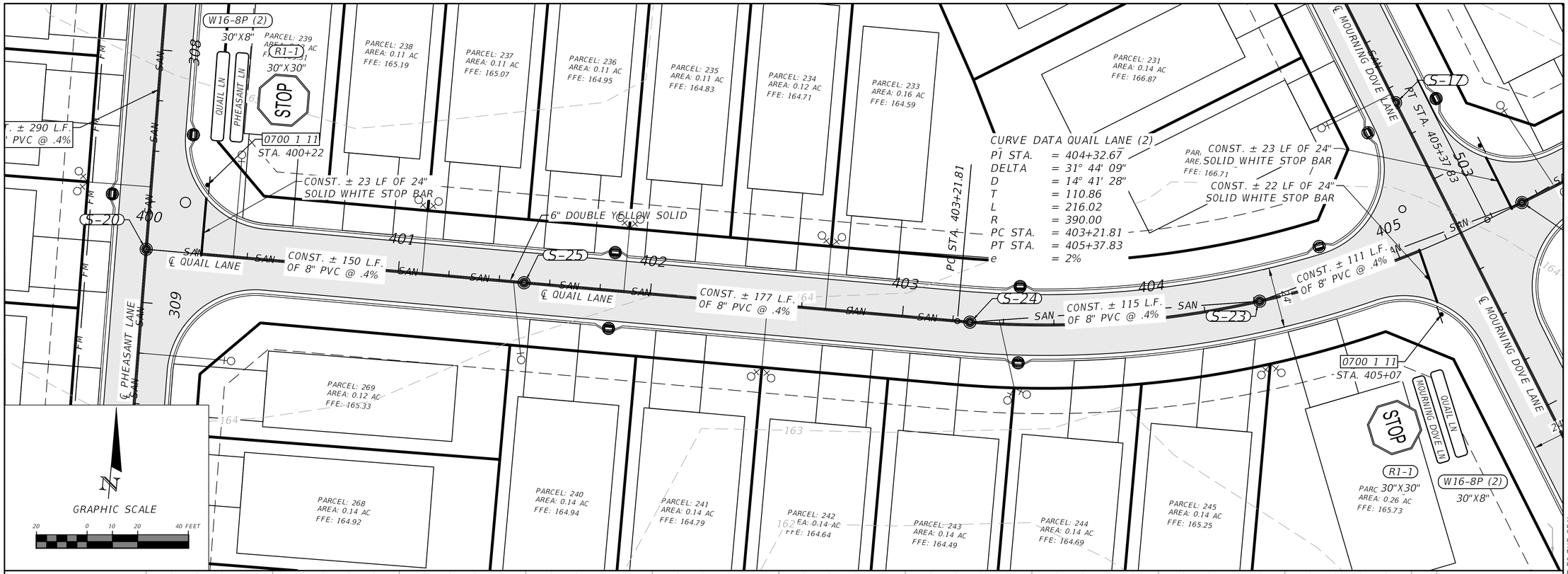

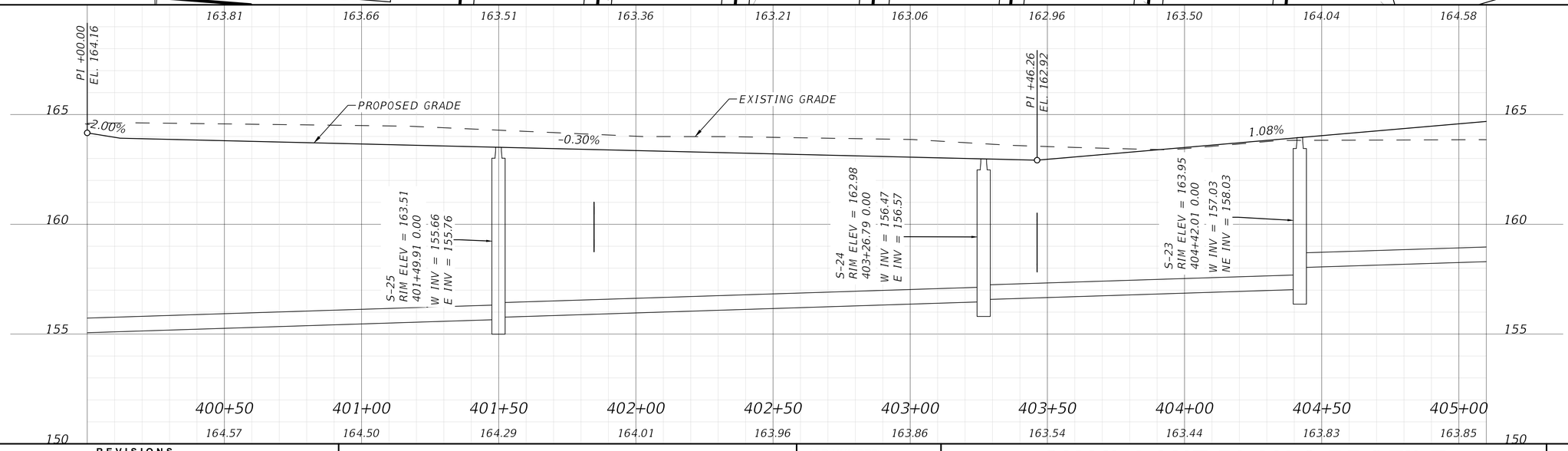

REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

QUAIL LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-35

Dalton Kurtz 5/15/2024 11:43:49 AM X:\2023\L230419GAR\H.CADD\Roadway\PLPRRD01.dwg C-35 QUAIL LANE PLAN & PROFILE

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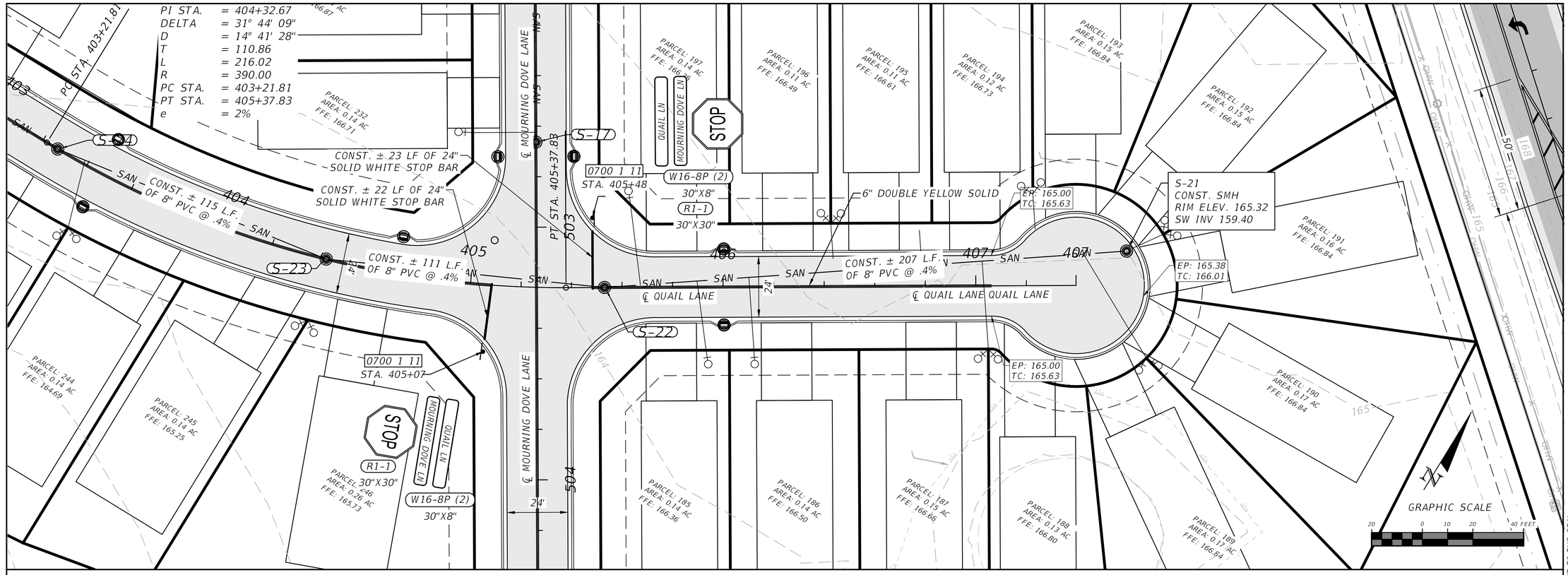

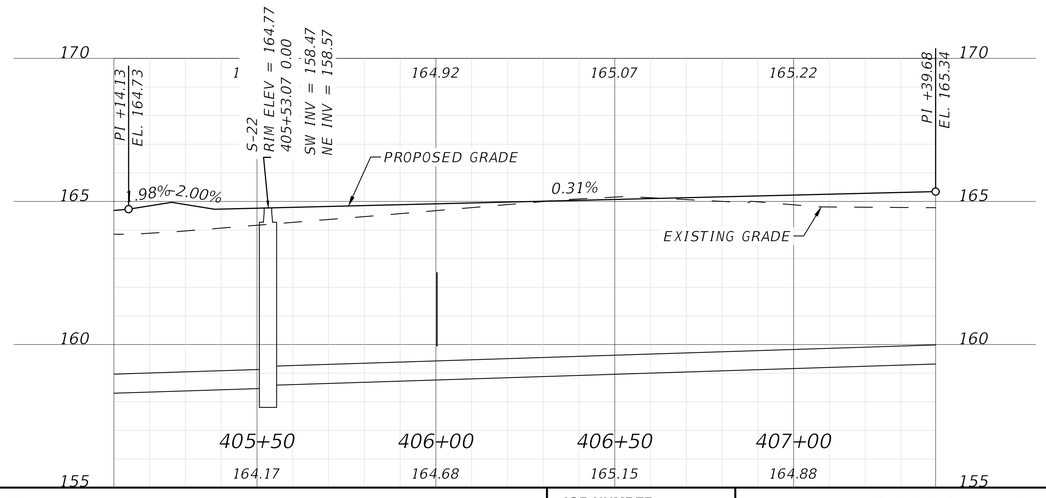

REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

QUAIL LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-36

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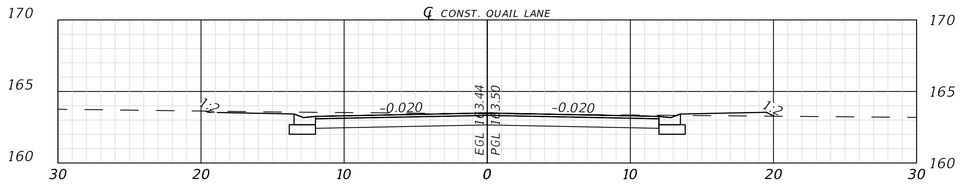

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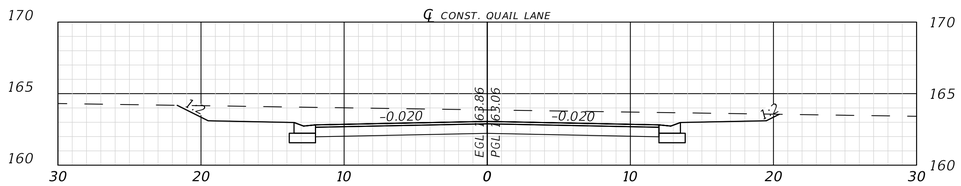

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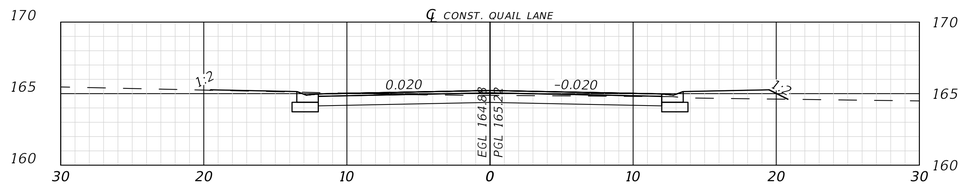

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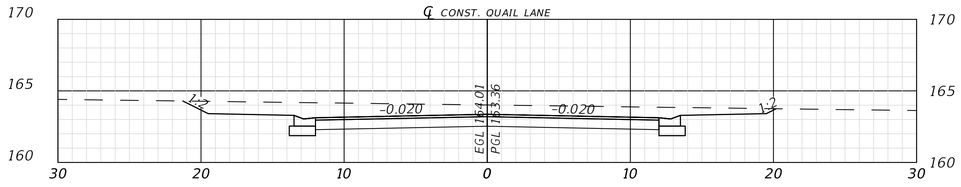

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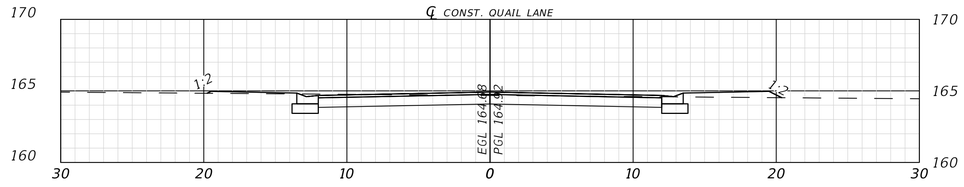

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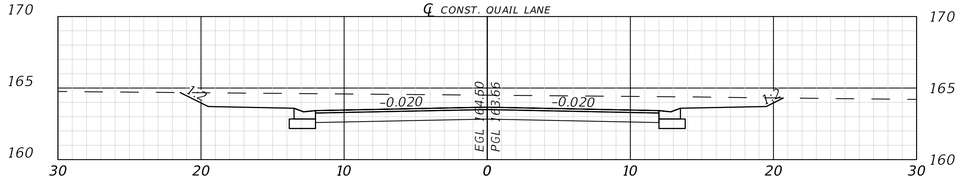

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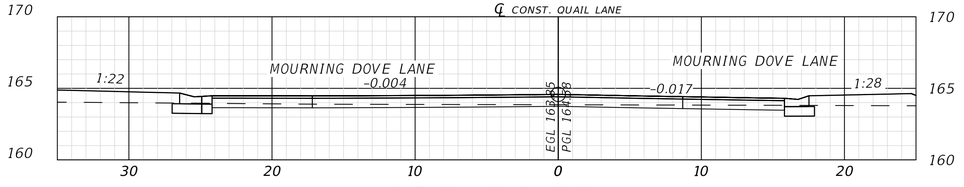

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DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823 — LAKE CITY, FL 32056 — PH. 386-752-4675 — LIC NO. LB8356
2551 BLAIRSTONE PINES DR. — TALLAHASSEE, FL 32301 — WWW.NFPS.NET — CA# 29011

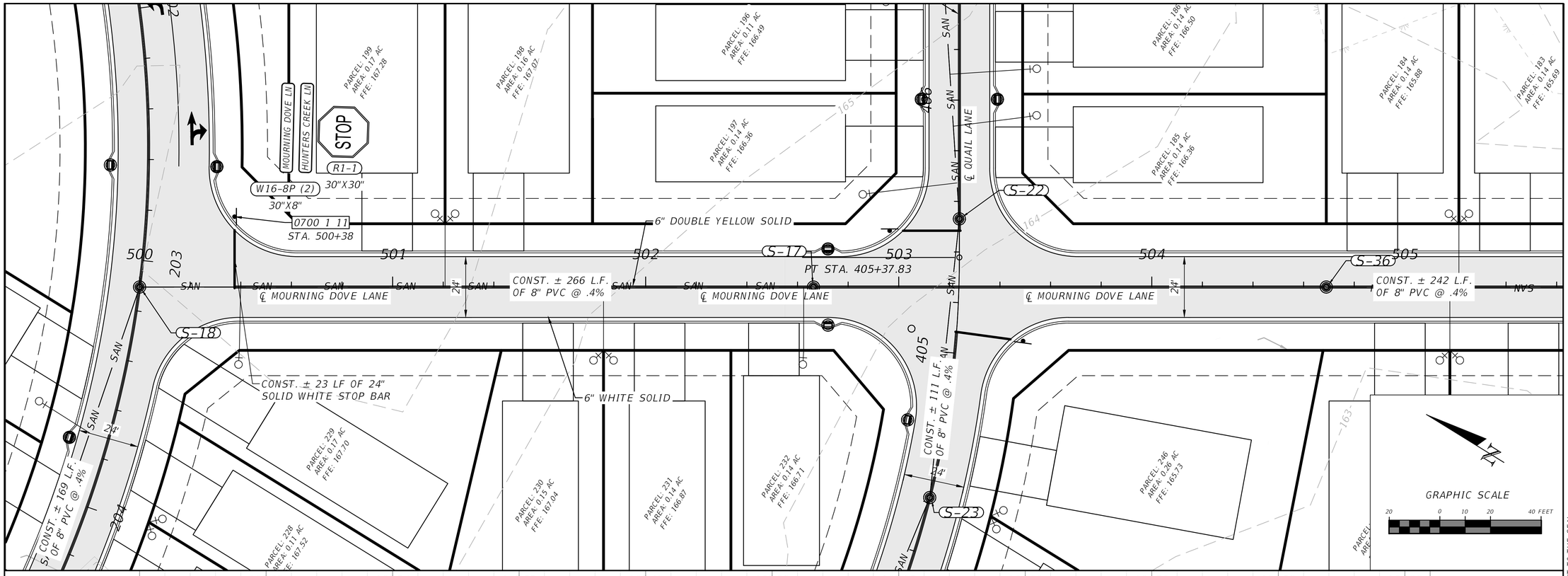
JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

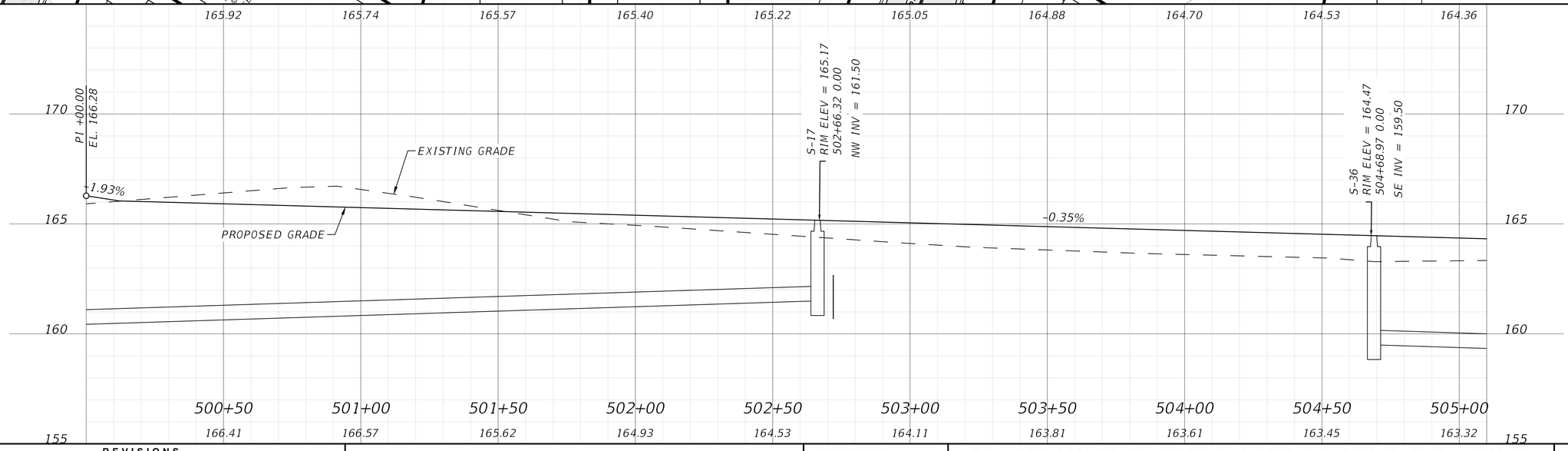
QUAIL LANE ROADWAY CROSS SECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-37

Dalton Kurtz 5/15/2024 11:44:19 AM X:\2023\L230419GAR\H.CADD\Roadway\MODLRD01.dwg C-37 QUAIL LANE ROADWAY CROSS SECTIONS





REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.

P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356

2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

MOURNING DOVE LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-38

Dalton Kurtz 5/15/2024 11:44:44 AM X:\2023\L230419GAR\H.CADD\Roadway\PLPRRD01.dwg C-38 MOURNING DOVE LANE PLAN & PROFILE

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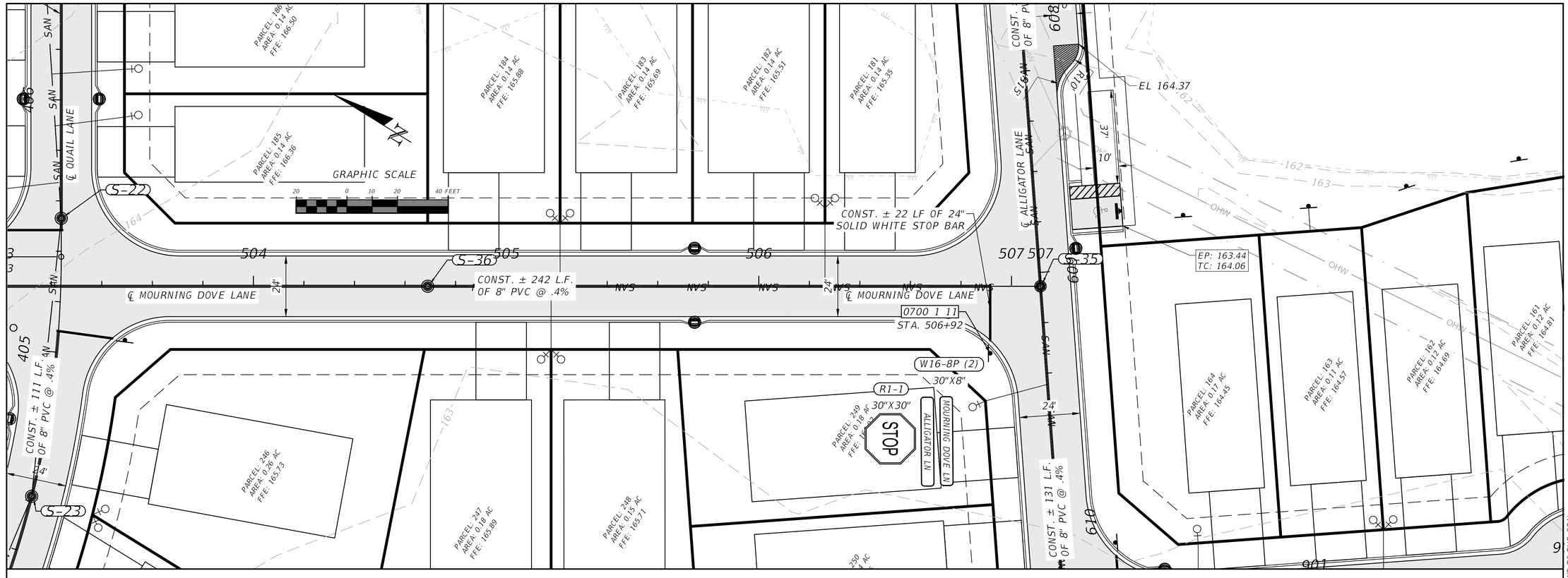

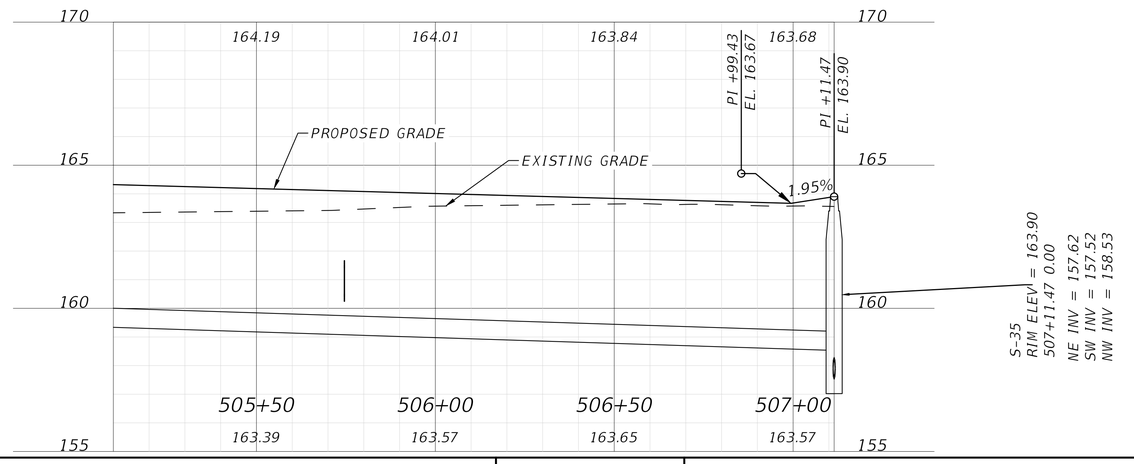

REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

MOURNING DOVE LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-39

Dalton Kurtz 5/15/2024 11:44:52 AM X:\2023\L230419GAR\H.CADD\Roadway\PLPRRD01.dwg C-39 MOURNING DOVE LANE PLAN & PROFILE

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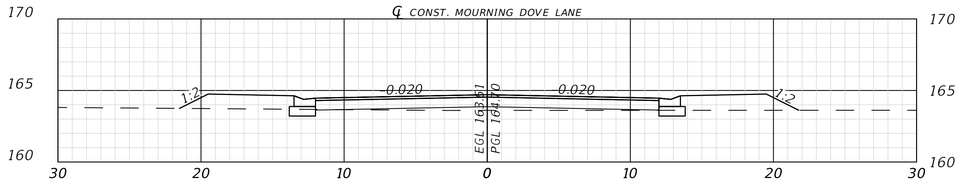

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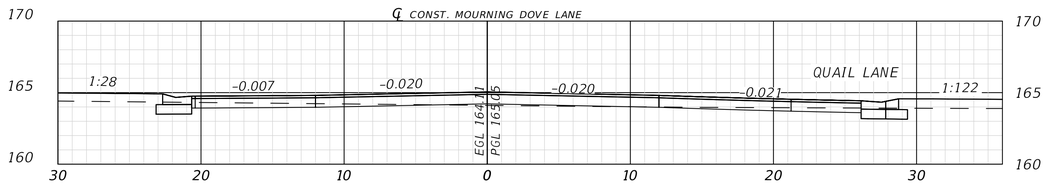

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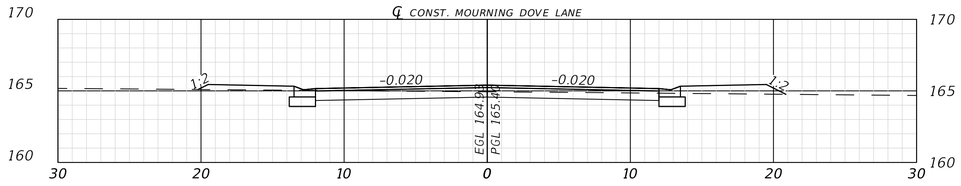

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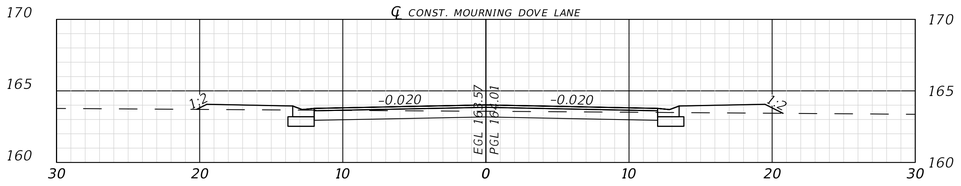

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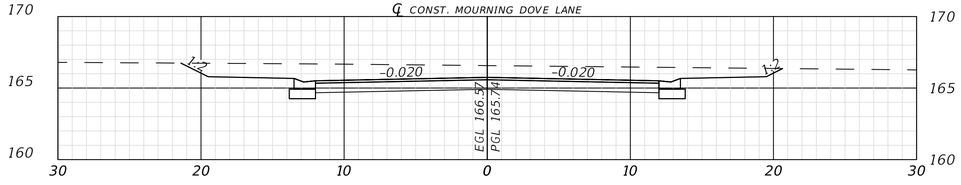

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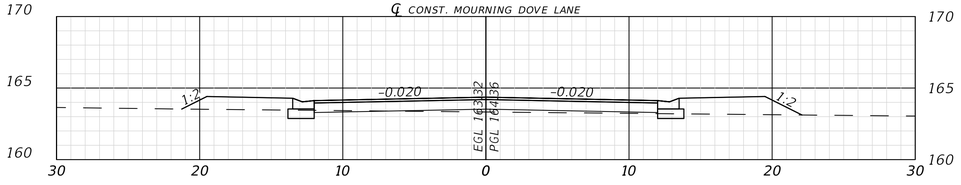

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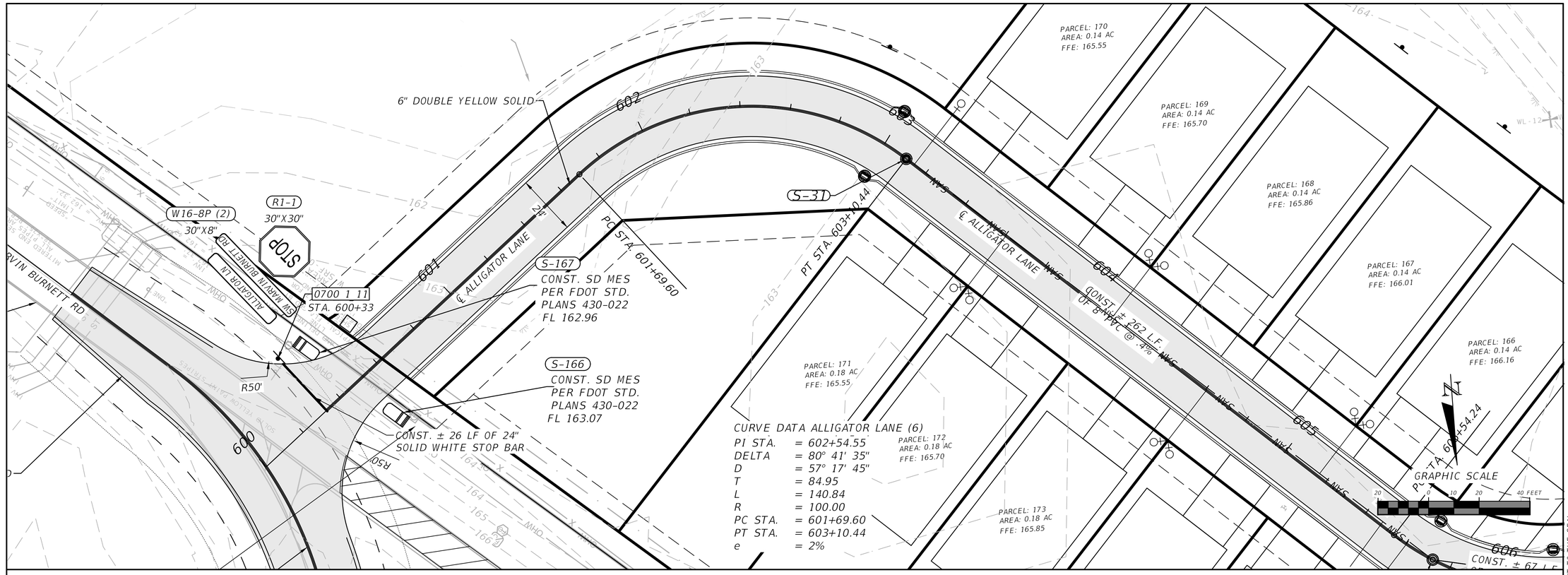
P.O. BOX 3823 — LAKE CITY, FL 32056 — PH. 386-752-4675 — LIC NO. LB8356
2551 BLAIRSTONE PINES DR. — TALLAHASSEE, FL 32301 — WWW.NFPS.NET — CA# 29011

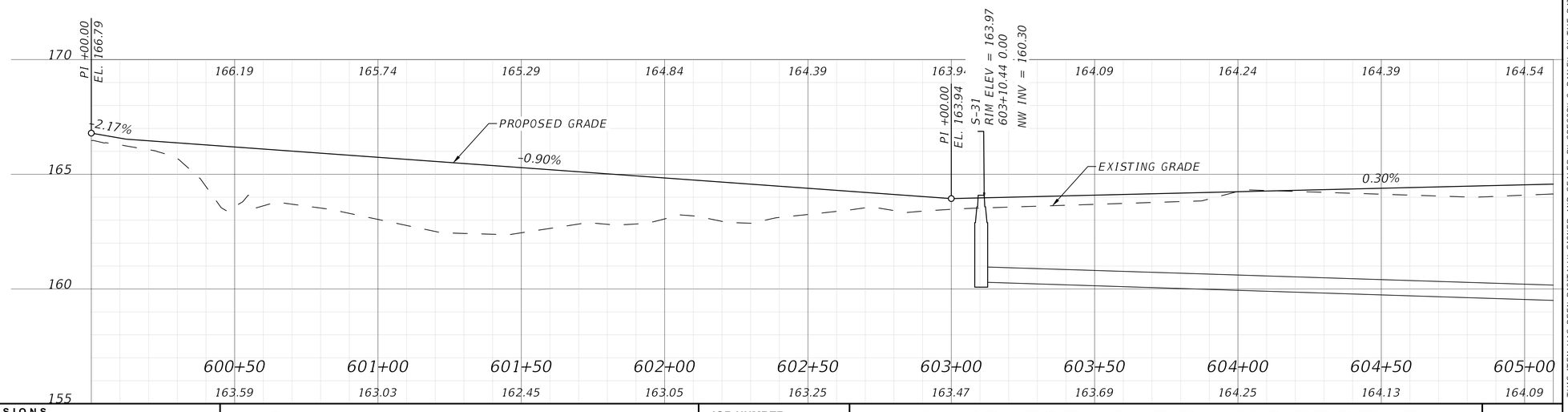
JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

MOURNING DOVE LANE ROADWAY CROSS SECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-40





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ALLIGATOR LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-41

Dalton Kurtz 5/15/2024 11:45:39 AM X:\2023\L230419GAR\H.CADD\Roadway\PLPRRD01.dwg C-41 ALLIGATOR LANE PLAN & PROFILE

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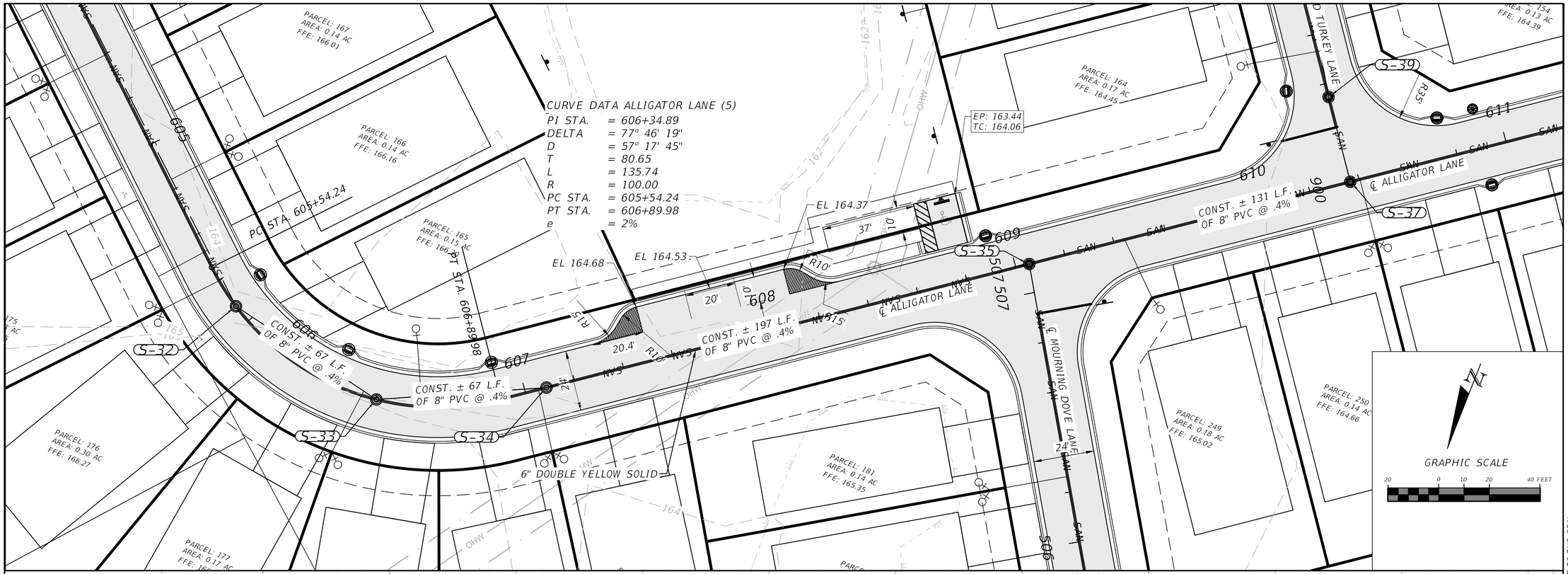

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ALLIGATOR LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-42

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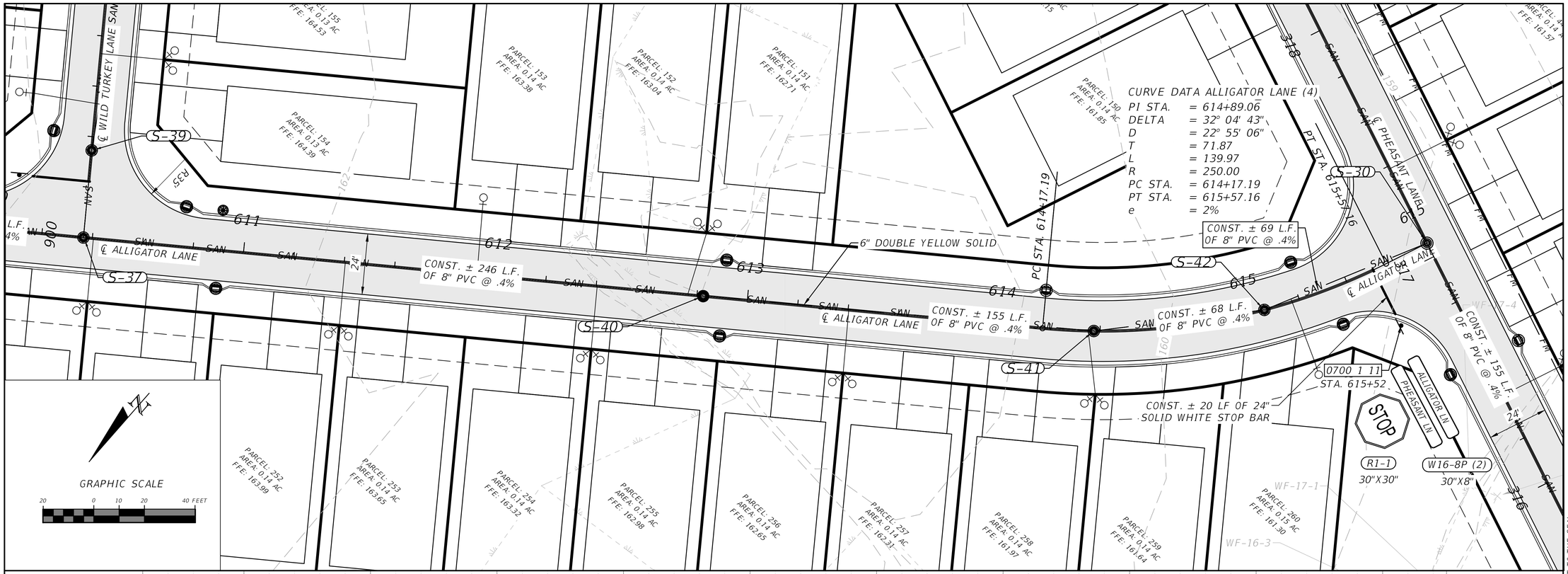

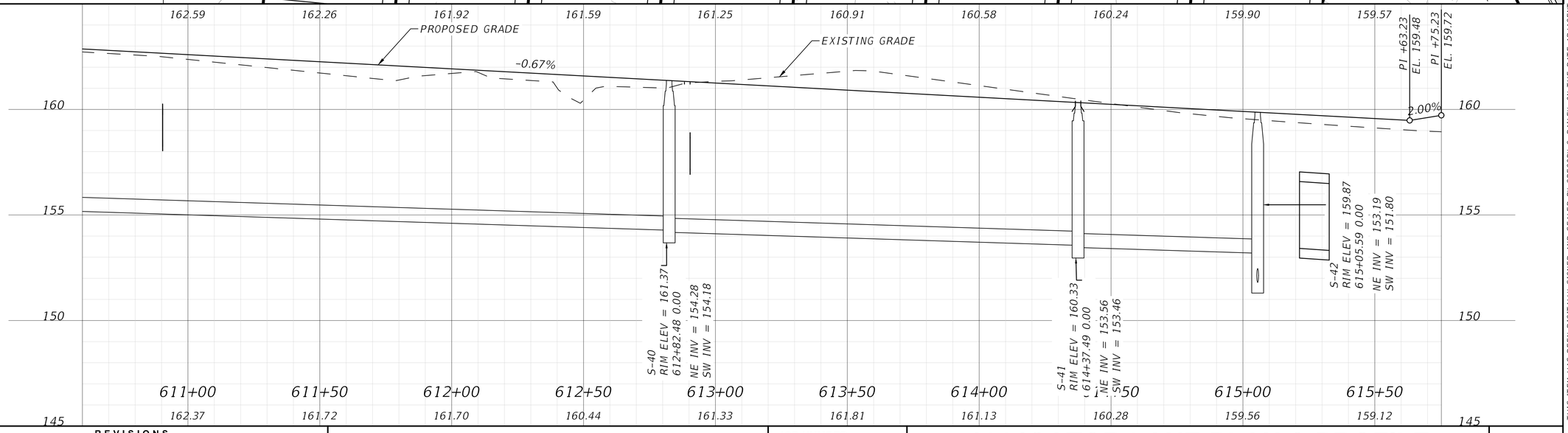

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NORTH FLORIDA PROFESSIONAL SERVICES, INC.

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PH. 386-752-4675
LIC NO. LB8356

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CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

ALLIGATOR LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-43

Dalton Kurtz 5/15/2024 11:45:56 AM X:\2023\L230419GAR\H.CADD\Roadway\PLPRRD01.dwg C-43 ALLIGATOR LANE PLAN & PROFILE

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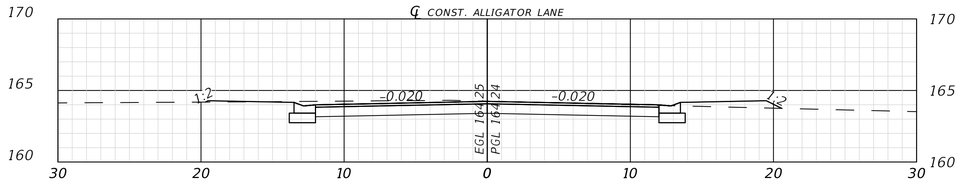

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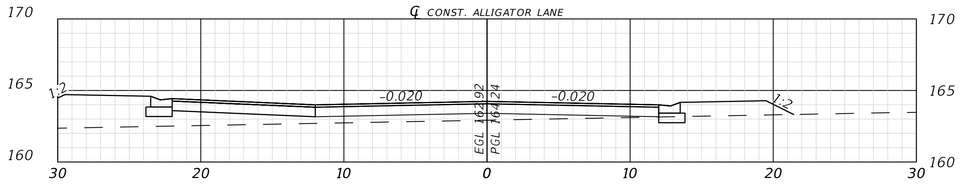

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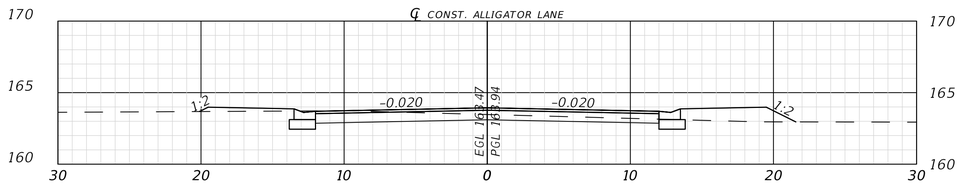

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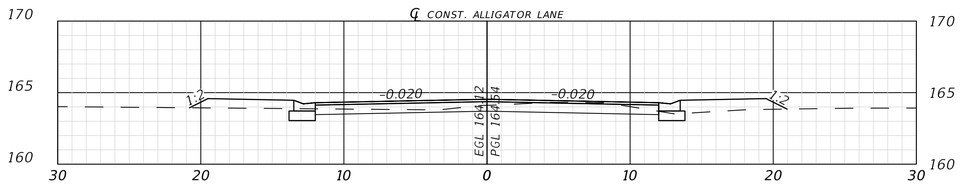

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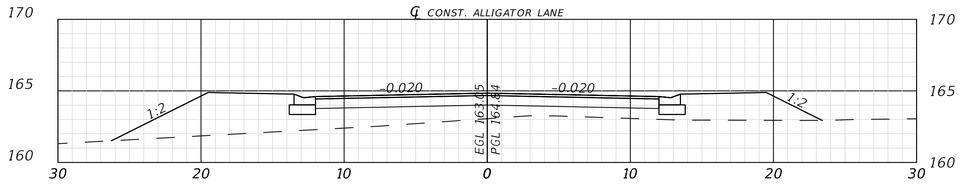

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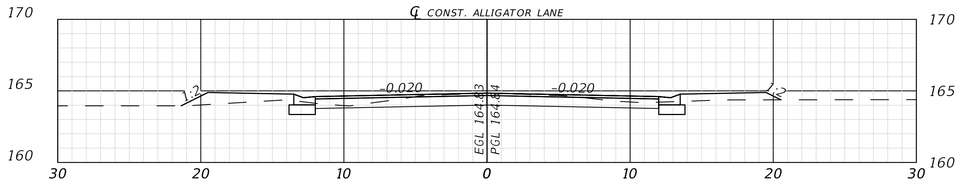

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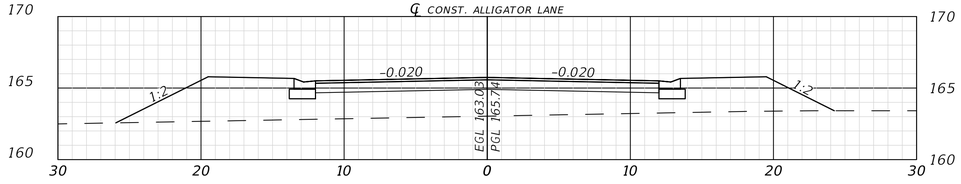

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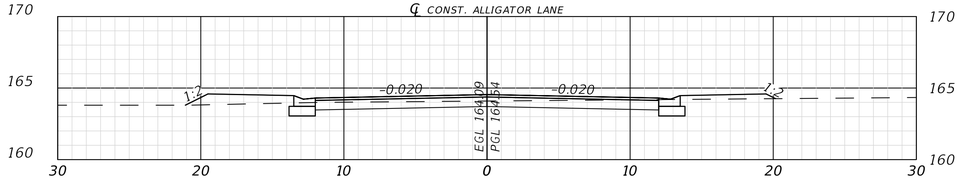

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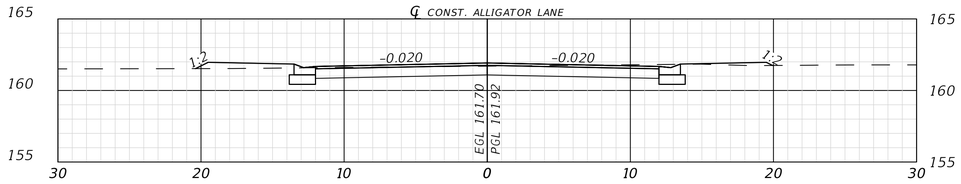
P.O. BOX 3823 — LAKE CITY, FL 32056 — PH. 386-752-4675 — LIC NO. LB8356
2551 BLAIRSTONE PINES DR. — TALLAHASSEE, FL 32301 — WWW.NFPS.NET — CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

ALLIGATOR LANE ROADWAY CROSS SECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-44



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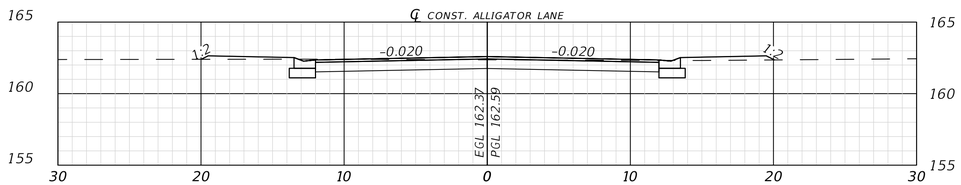

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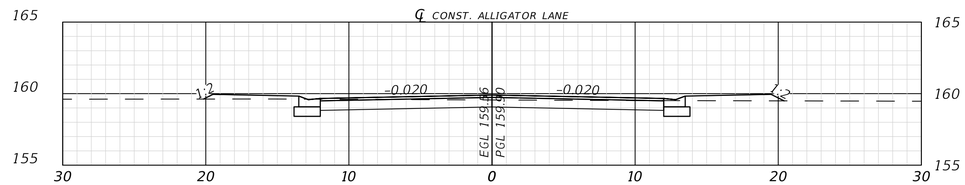

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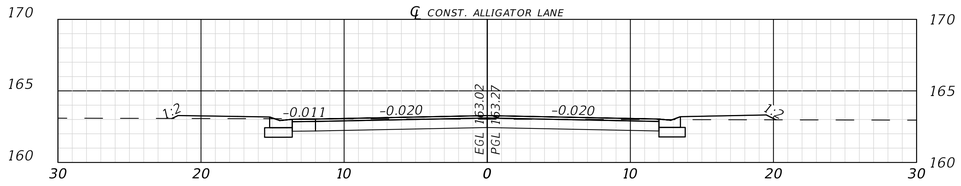

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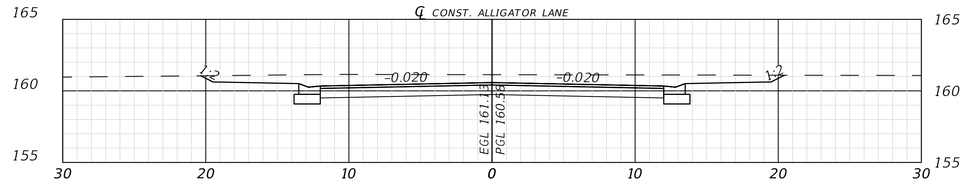

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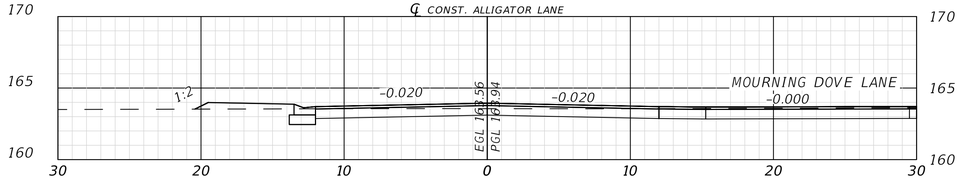

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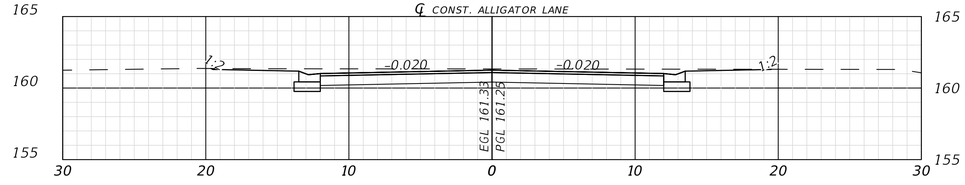

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CA# 29011

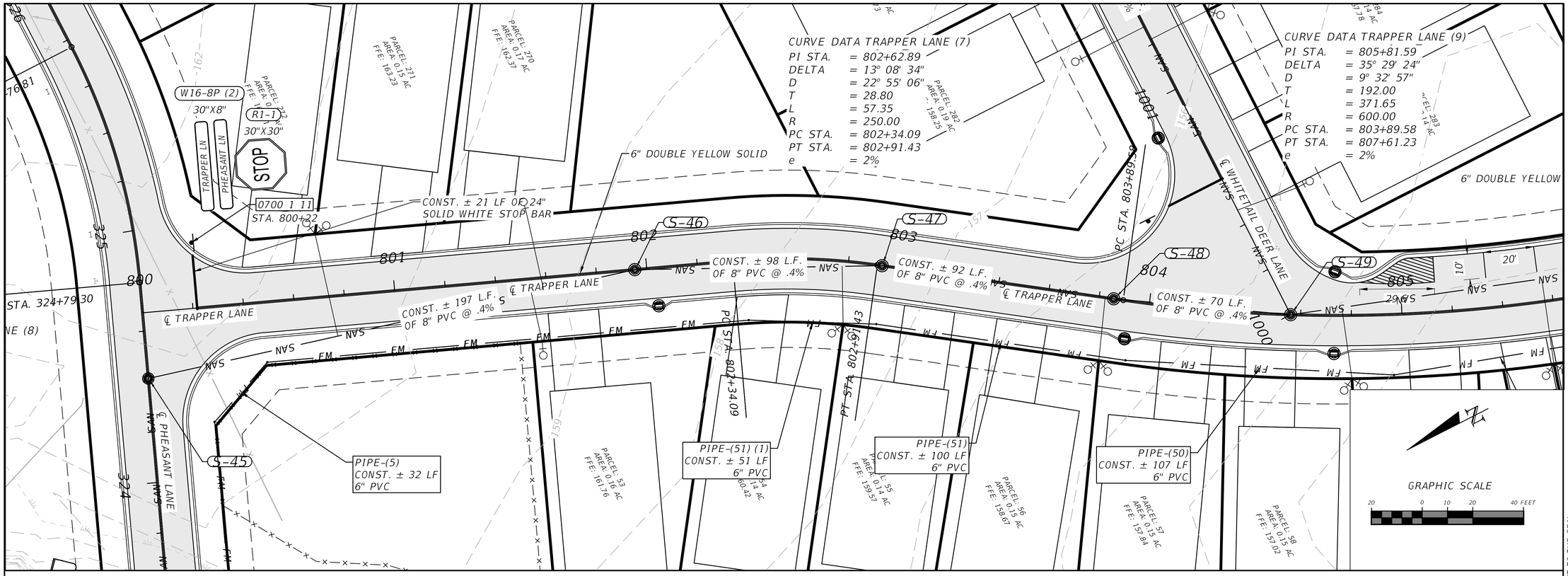
JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

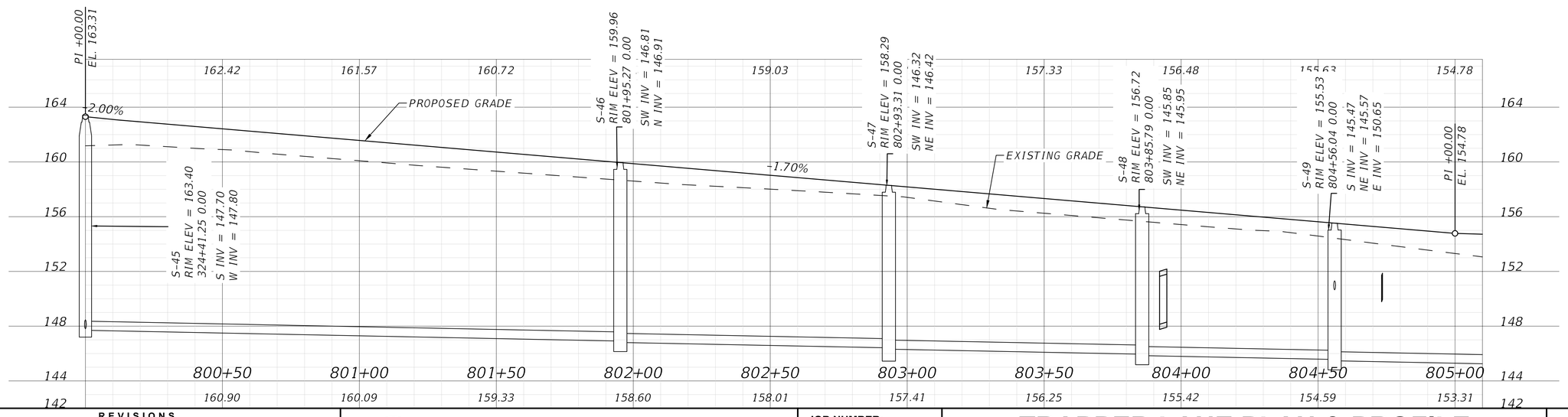
ALLIGATOR LANE ROADWAY CROSS SECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-45

Dalton Kurtz 5/15/2024 11:46:21 AM X:\2023\L230419GAR\H.CADD\Roadway\MODLRD01.dwg C-45 ALLIGATOR LANE ROADWAY CROSS SECTIONS





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NORTH FLORIDA PROFESSIONAL SERVICES, INC.
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P.E. NO.: 43858

TRAPPER LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-46

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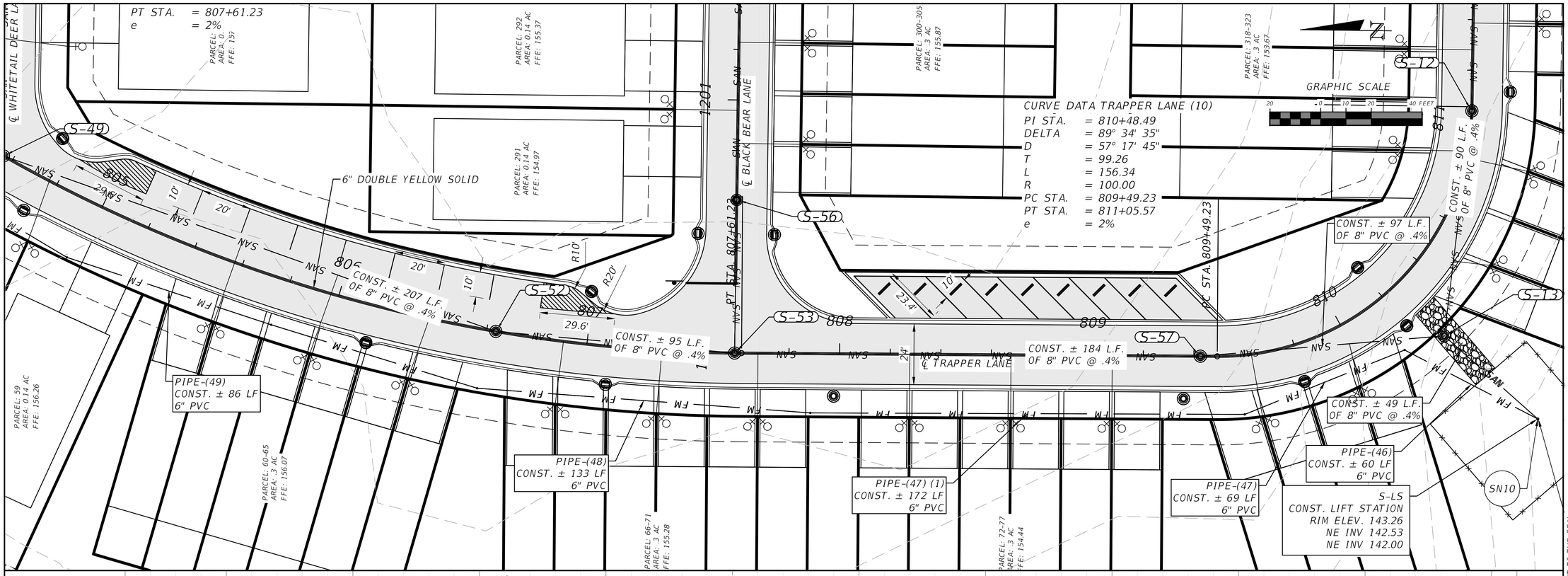

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P.O. BOX 3823
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CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

TRAPPER LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-47

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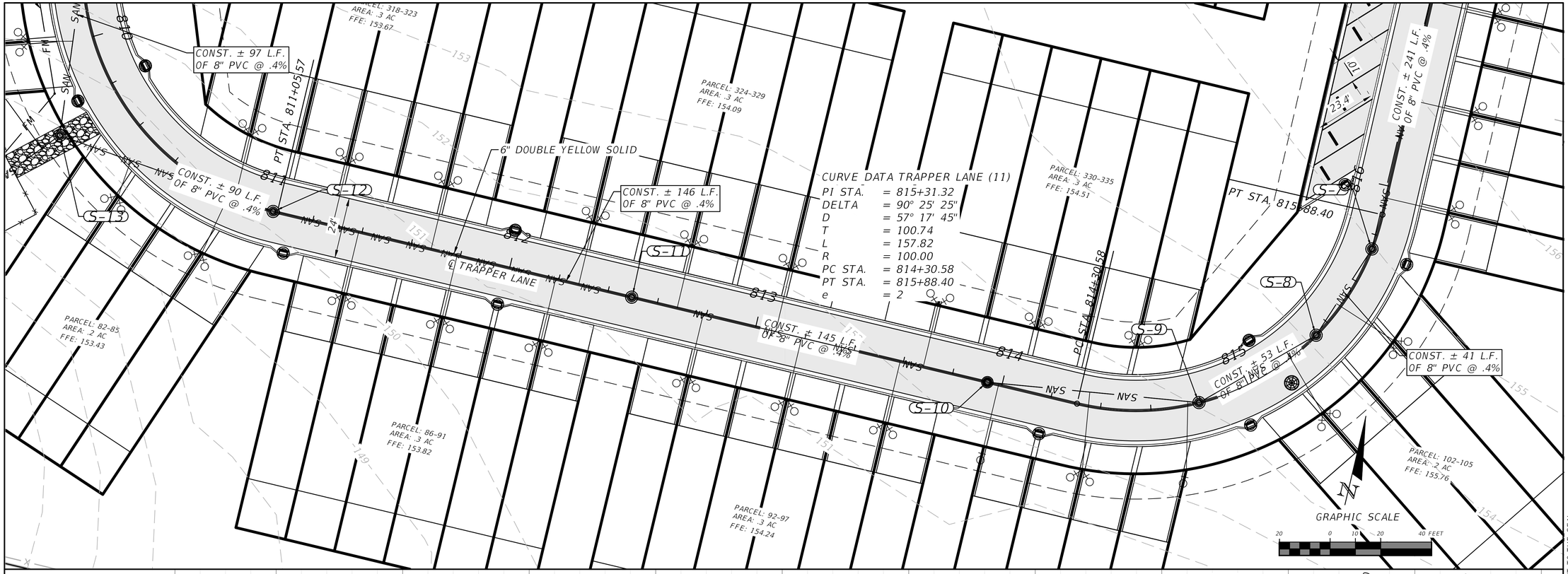

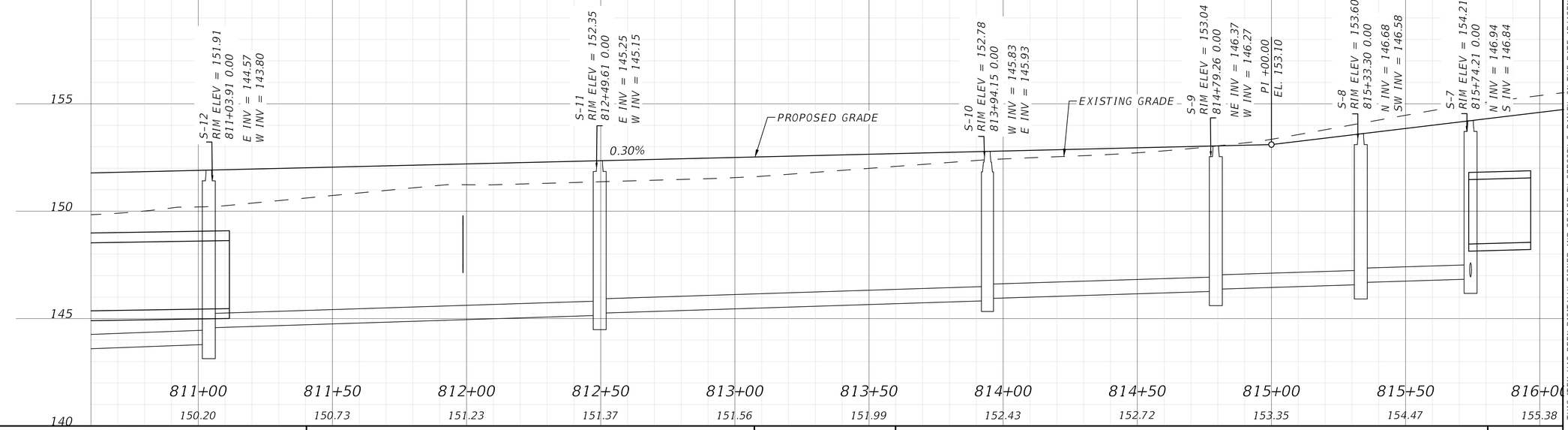

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TRAPPER LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-48

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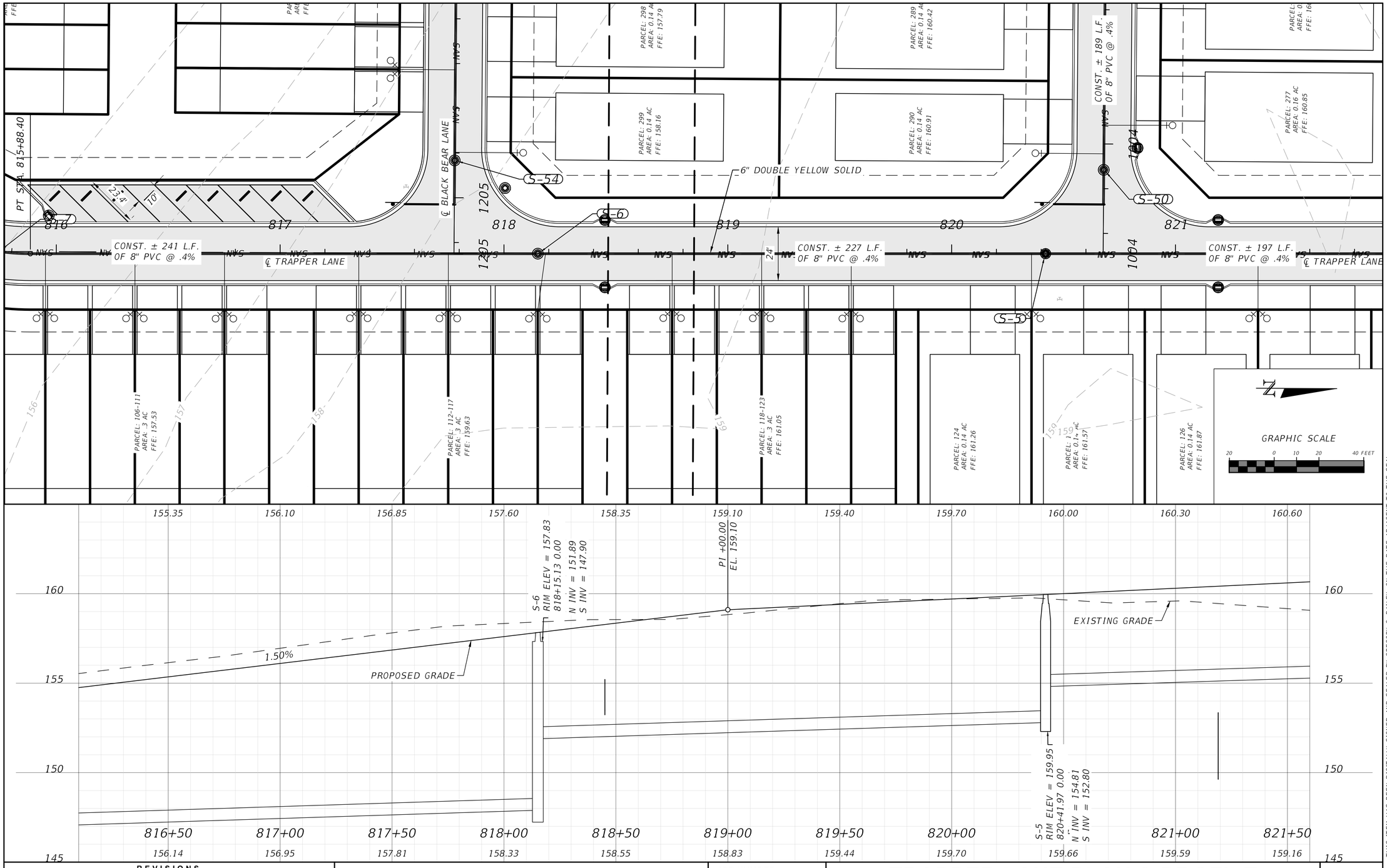

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P.O. BOX 3823
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LIC NO. LB8356

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TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
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TRAPPER LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-49

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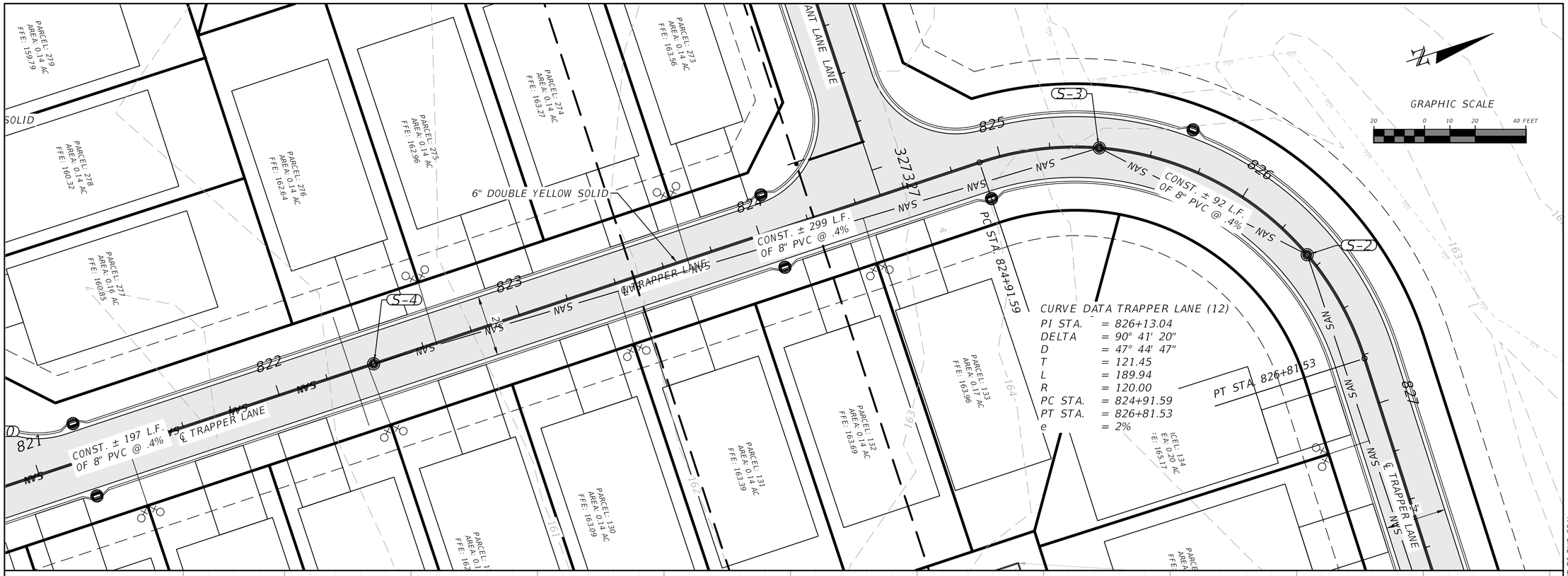

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CA# 29011

JOB NUMBER: L230419GAR
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P.E. NO.: 43858

TRAPPER LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-50

Dalton Kurtz 5/15/2024 11:47:19 AM X:\2023\L230419GAR\H.CADD\Roadway\PLPRRD01.dwg C-50 TRAPPER LANE PLAN & PROFILE

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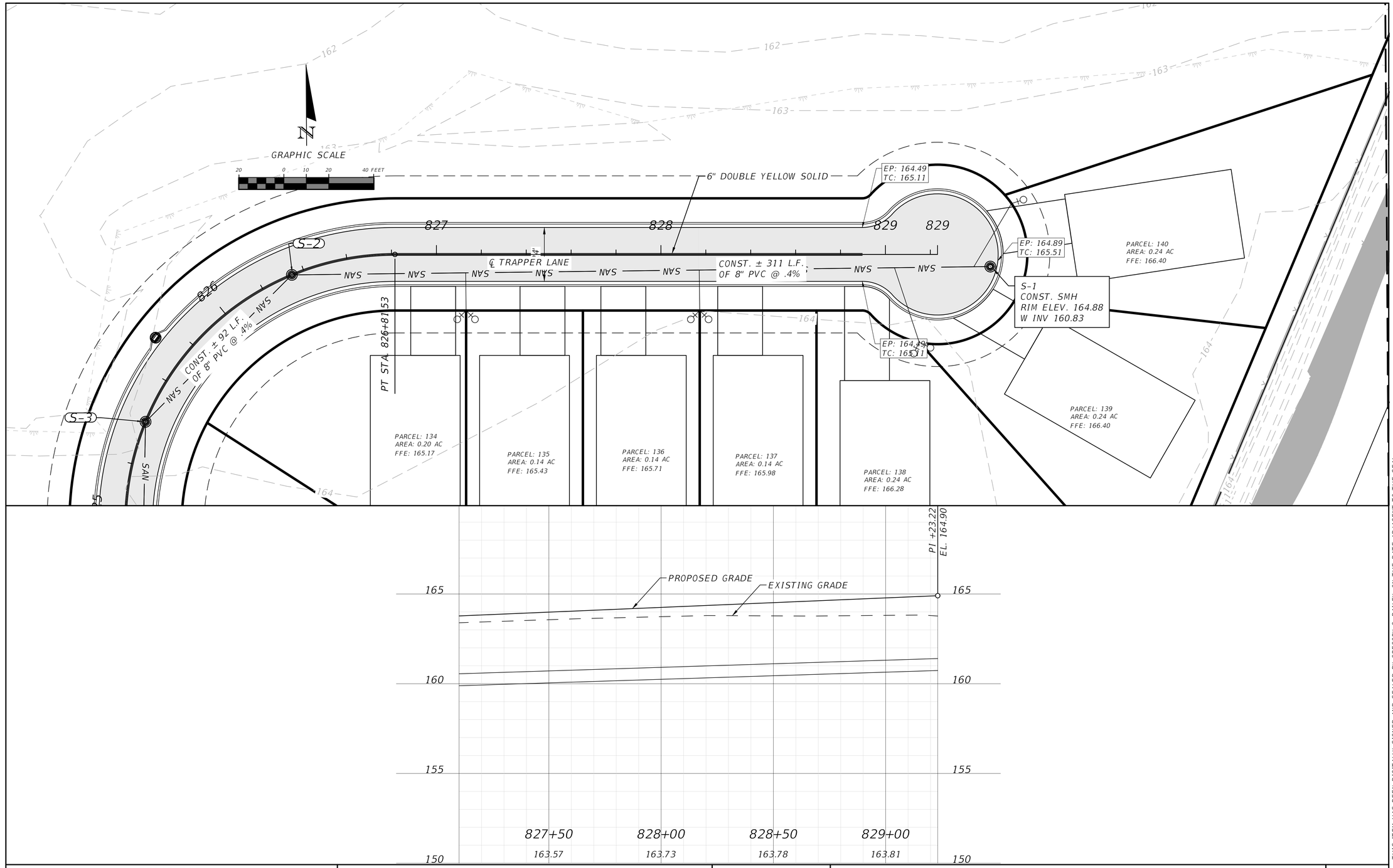

REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: COLUMBIA COUNTY
P.E. NO.: 43858

TRAPPER LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-51

Dalton Kurtz 5/15/2024 11:47:27 AM X:\2023\L230419GAR\H.CADD\Roadway\PLPRRD01.dwg C-51 TRAPPER LANE PLAN & PROFILE

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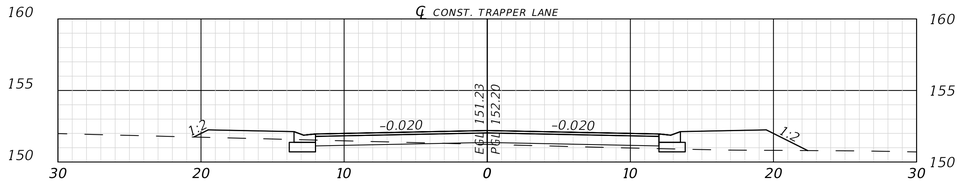

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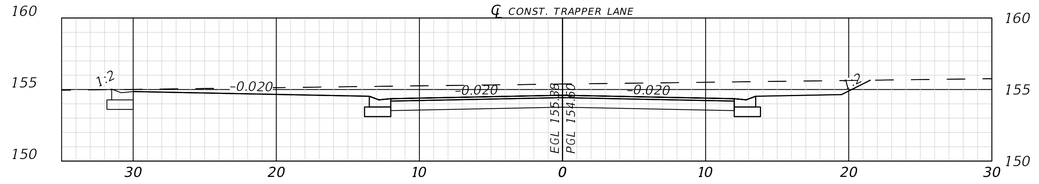

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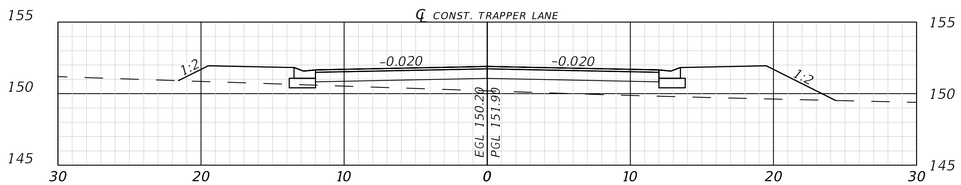

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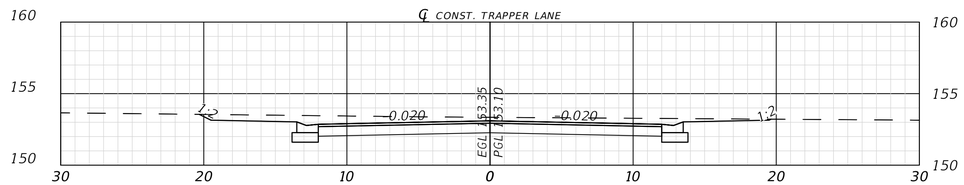

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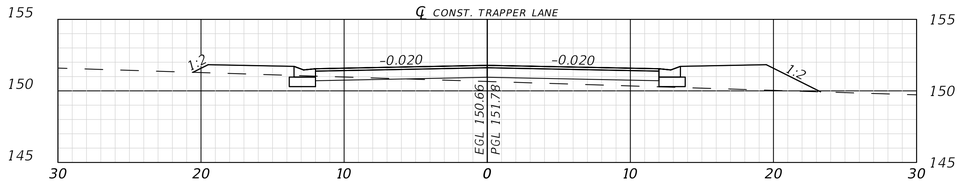

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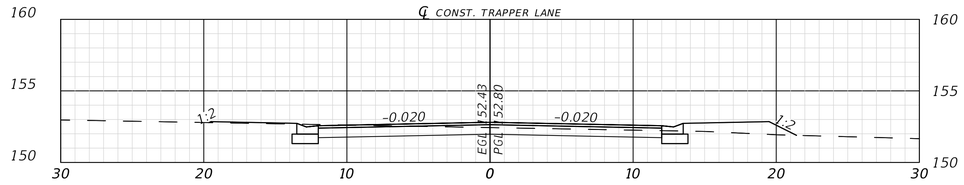

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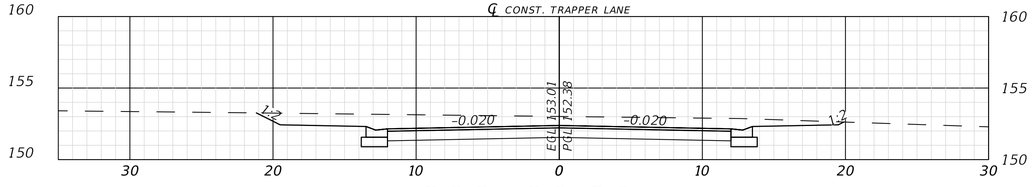

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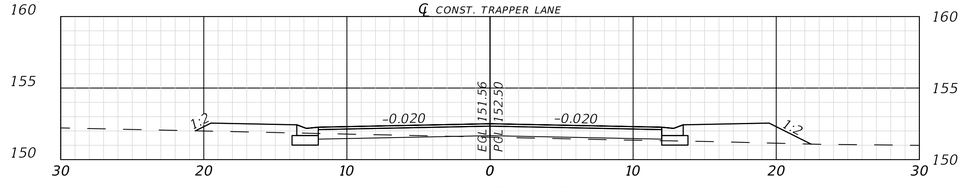

813+00.00

REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.

P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356

2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

TRAPPER LANE ROADWAY CROSS SECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-53

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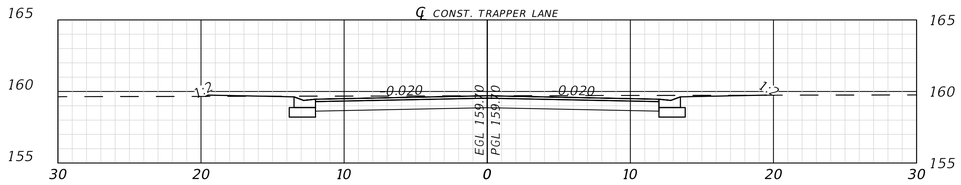

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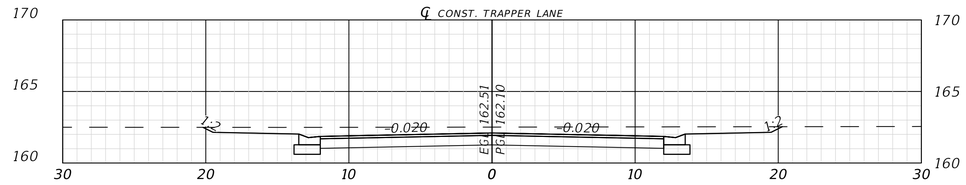

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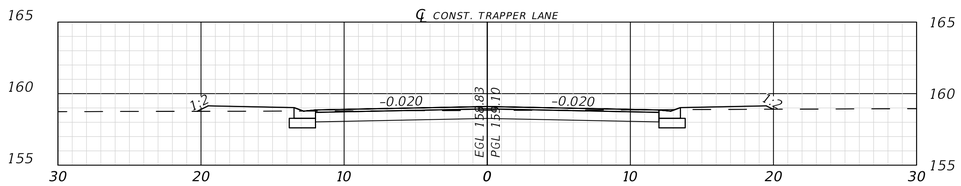

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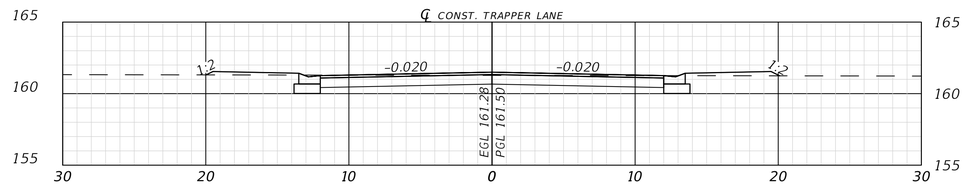

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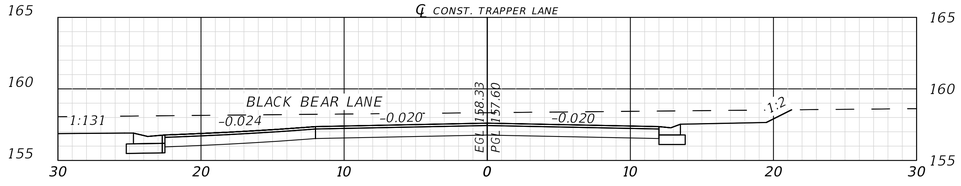

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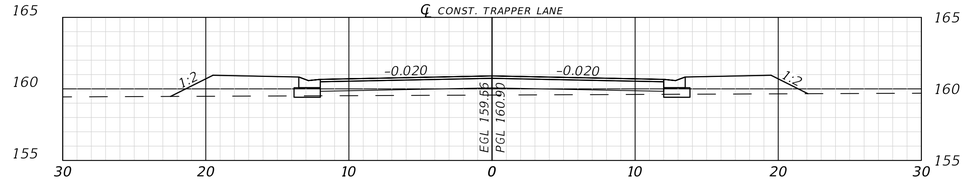

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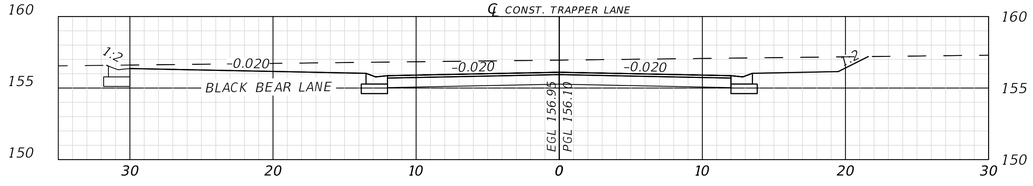

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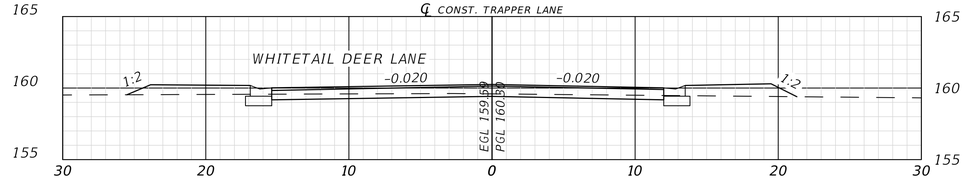

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REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.

P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356

2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

TRAPPER LANE ROADWAY CROSS SECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-54

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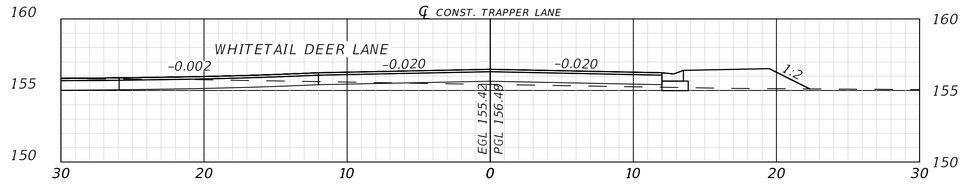

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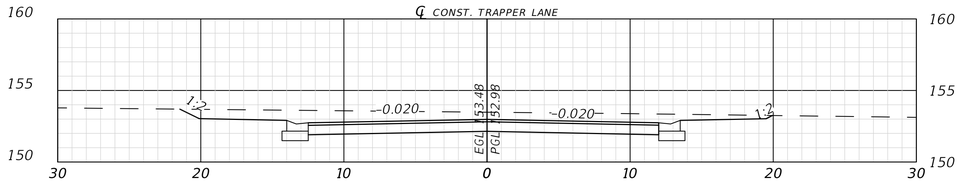

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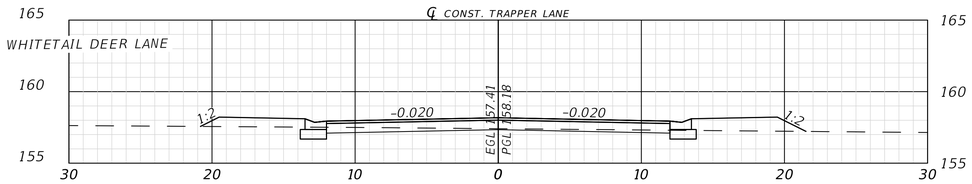

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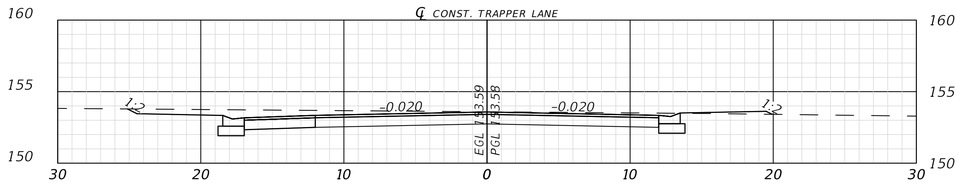

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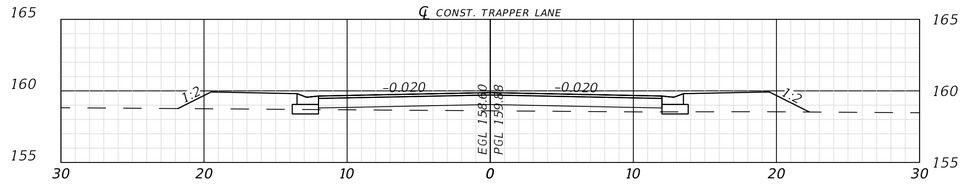

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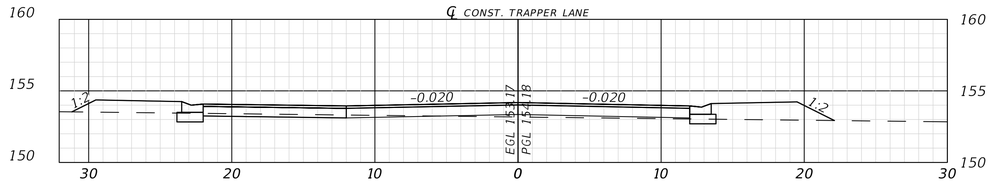

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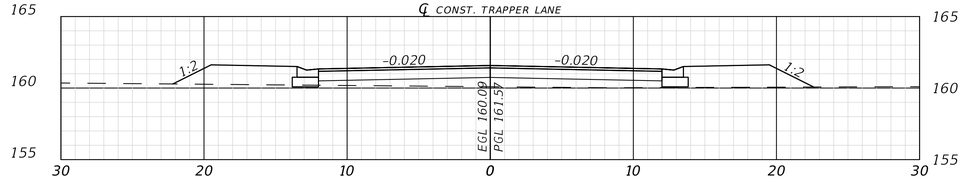

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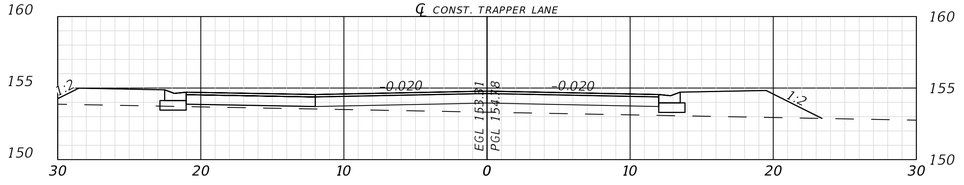

805+00.00

REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.

P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356

2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

TRAPPER LANE ROADWAY CROSS SECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-52

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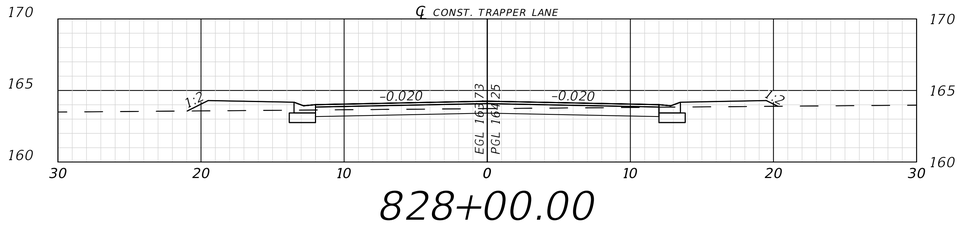

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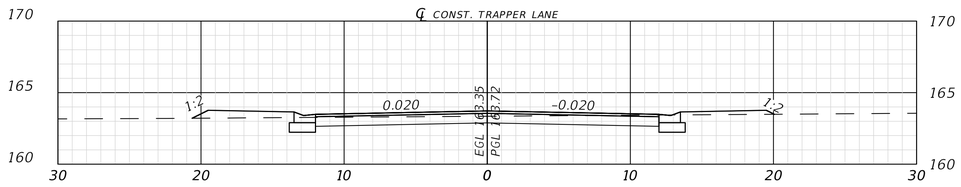

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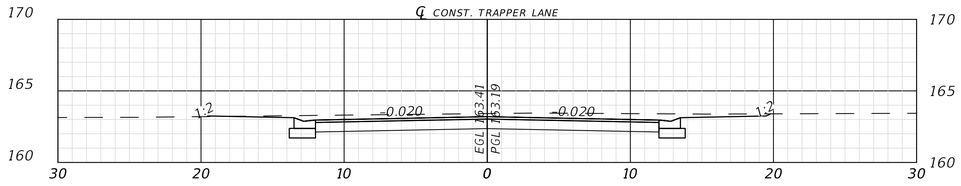

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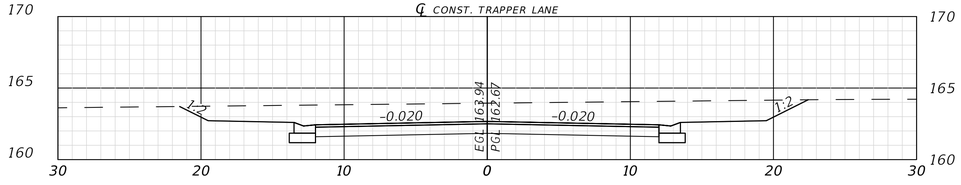

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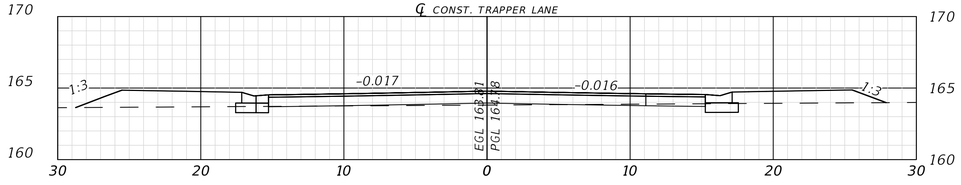

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DATE	DESCRIPTION

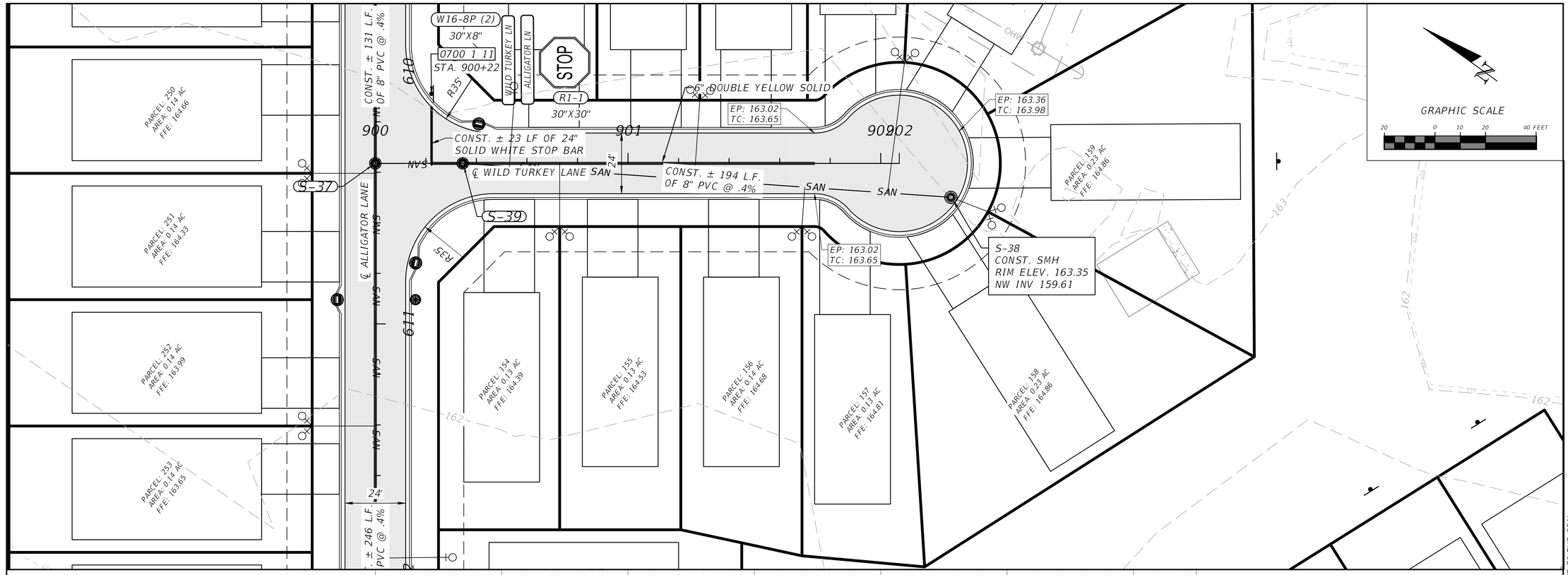
NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

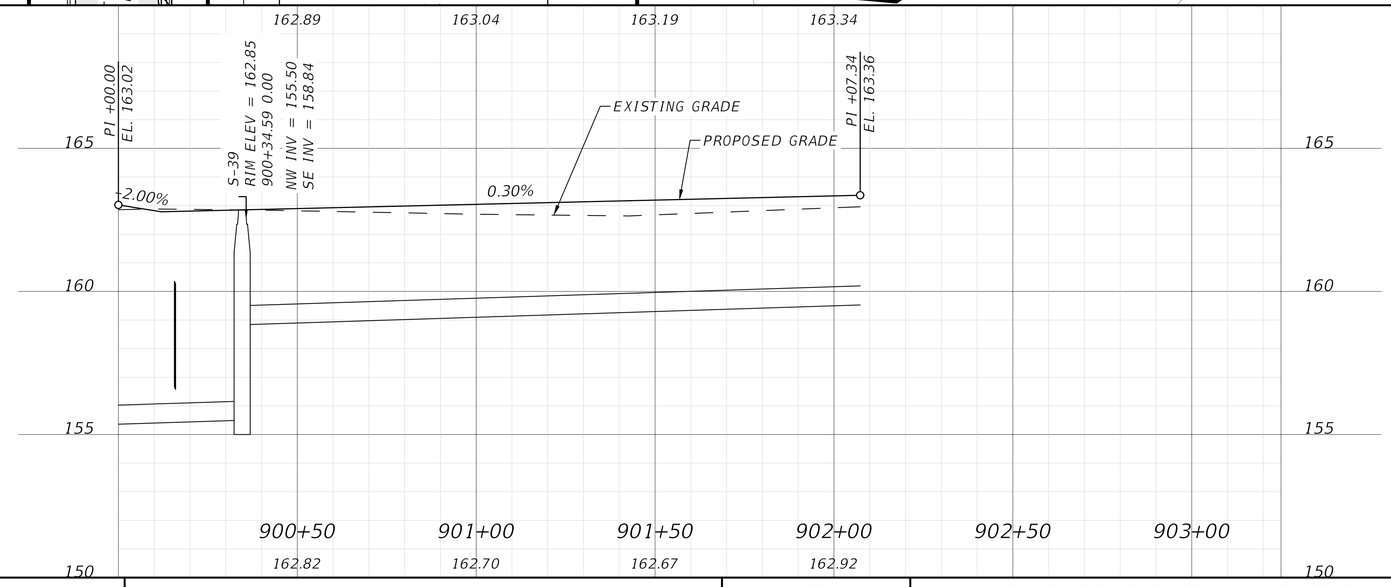
JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

TRAPPER LANE ROADWAY CROSS SECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-55





REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

WILD TURKEY LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-56

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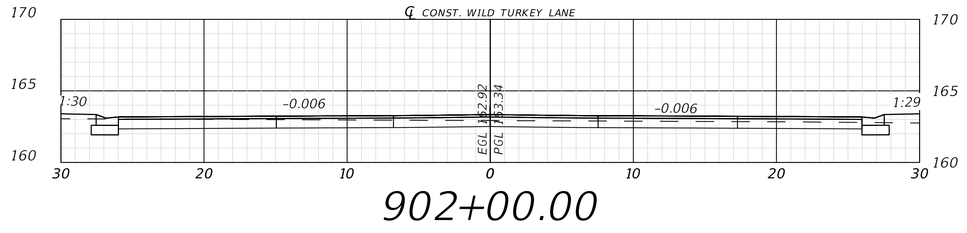

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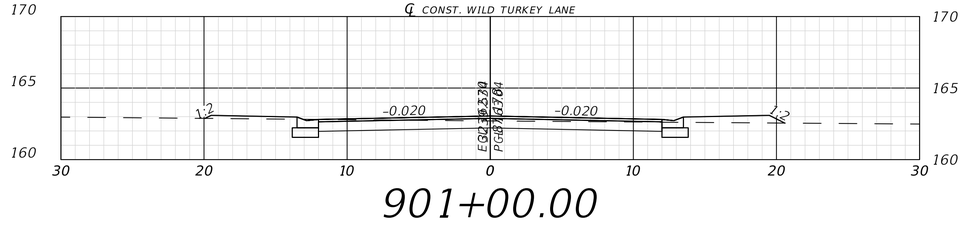

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REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823 — LAKE CITY, FL 32056 — PH. 386-752-4675 — LIC NO. LB8356
2551 BLAIRSTONE PINES DR. — TALLAHASSEE, FL 32301 — WWW.NFPS.NET — CA# 29011

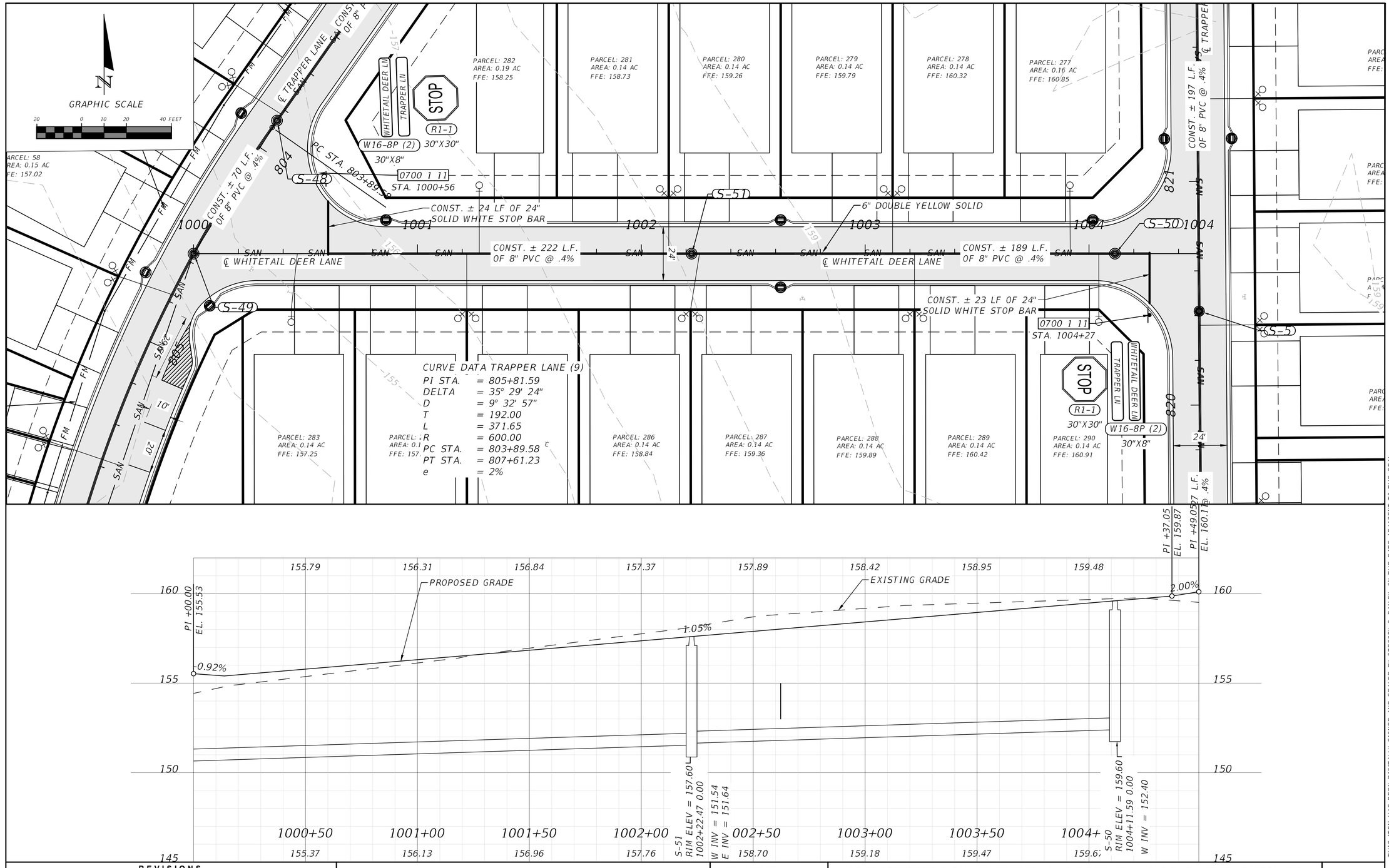
JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

WILD TURKEY LANE ROADWAY CROSS SECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-57

Dalton Kurtz 5/15/2024 11:48:46 AM X:\2023\L230419GAR\H.CADD\Roadway\MODLRD01.dwg C-57 WILD TURKEY LANE ROADWAY CROSS SECTIONS



REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

WHITETAIL DEER LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-58

Dalton Kurtz 5/15/2024 11:49:10 AM X:\2023\L230419GAR\H.CADD\Roadway\PLPRRD01.dwg C-58 WHITETAIL DEER LANE PLAN & PROFILE

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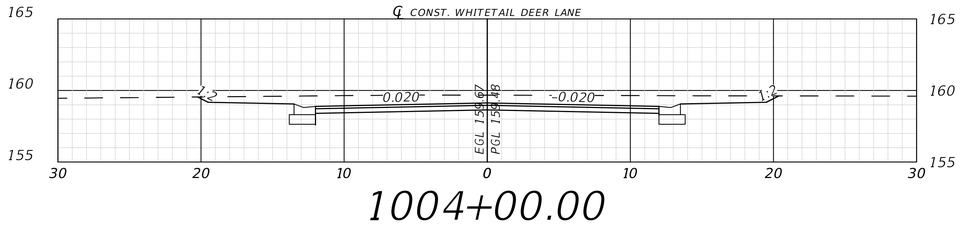

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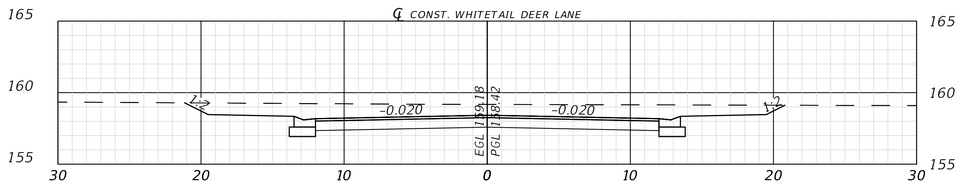

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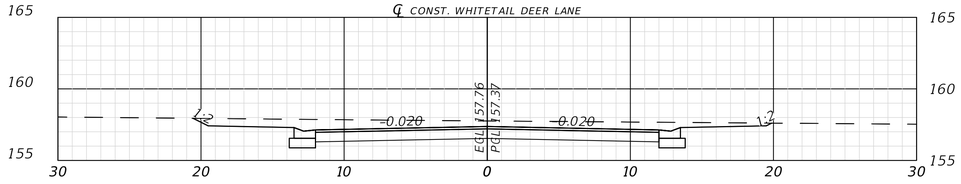

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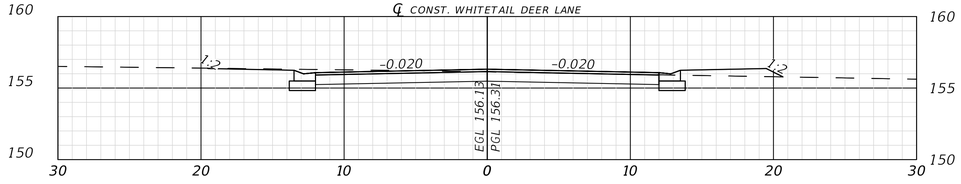

1001+00.00

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NORTH FLORIDA PROFESSIONAL SERVICES, INC.

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LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356

2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

WHITETAIL DEER LANE ROADWAY CROSS SECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO.
C-59

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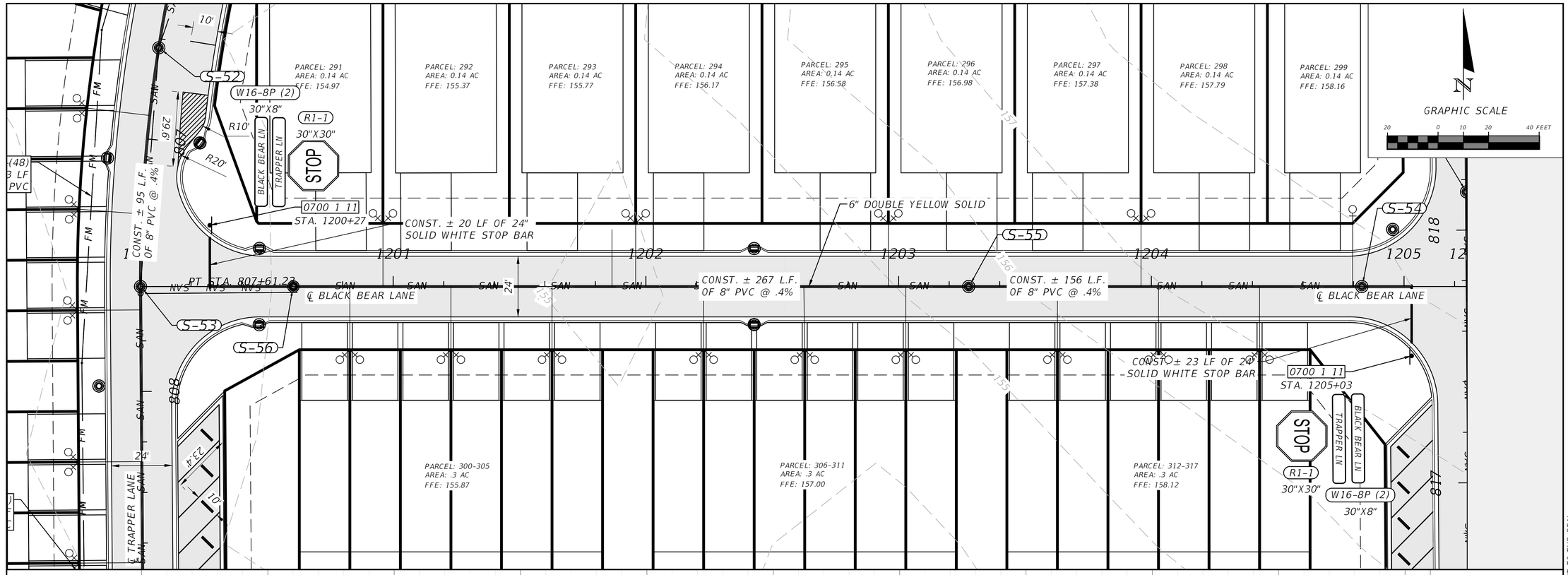

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DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.

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LIC NO. LB8356

2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

BLACK BEAR LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-60

Dalton Kurtz 5/15/2024 11:49:55 AM X:\2023\L230419GAR\H.CADD\Roadway\PLPRRD01.dwg C-60 BLACK BEAR LANE PLAN & PROFILE

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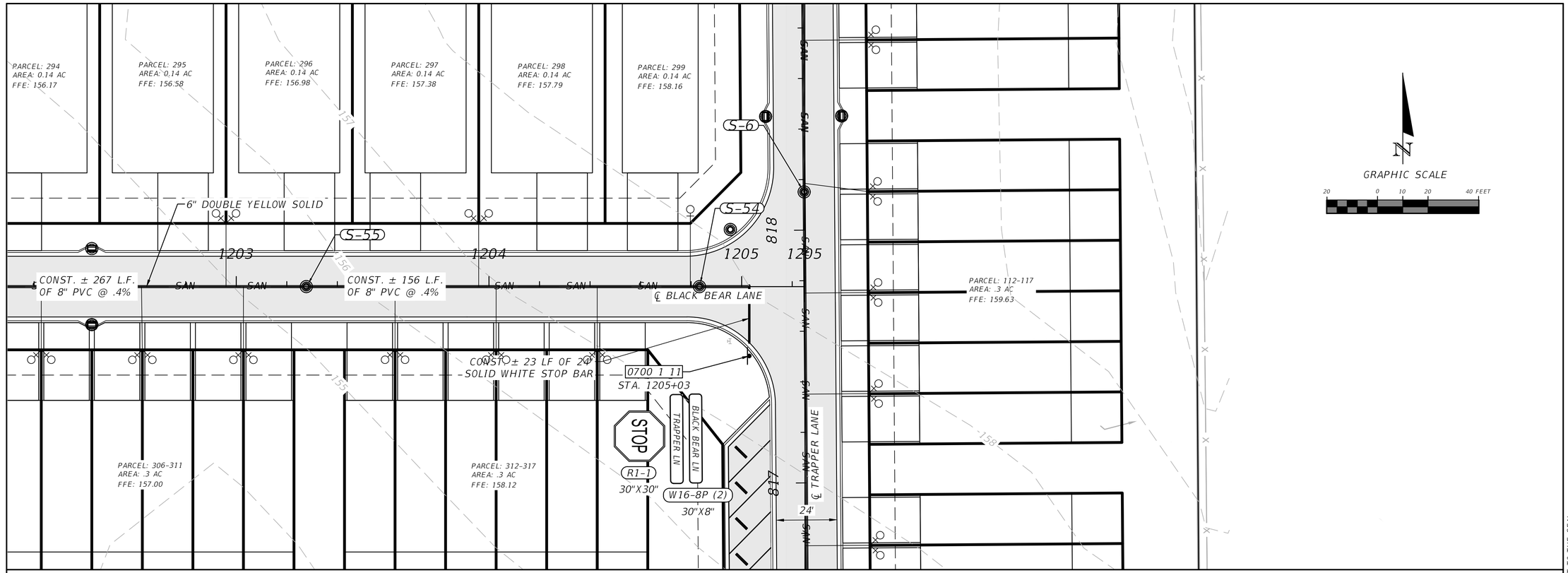

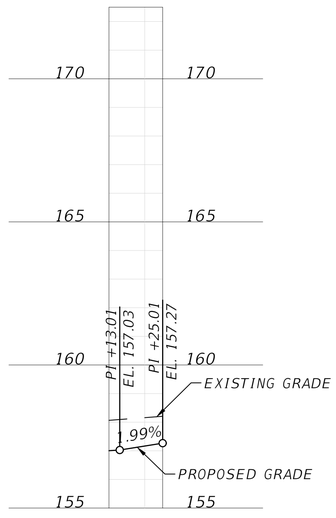

REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
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TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

BLACK BEAR LANE PLAN & PROFILE

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-61

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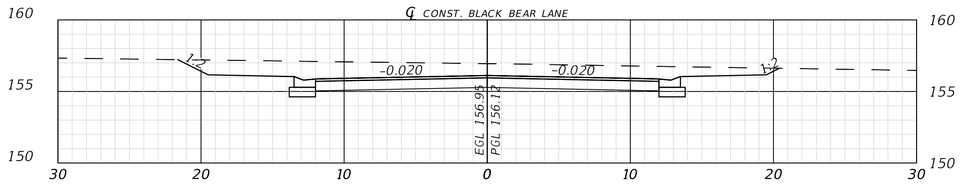

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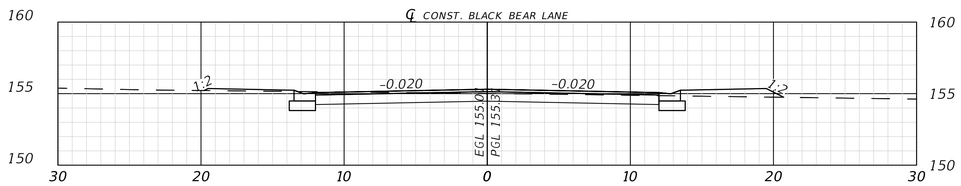

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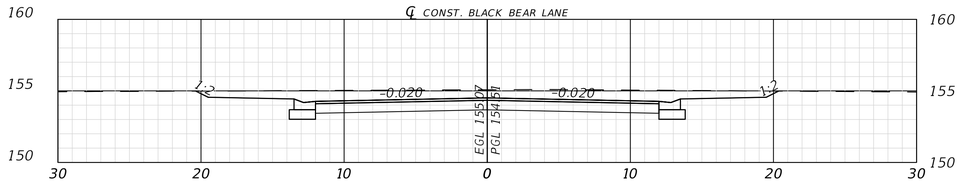

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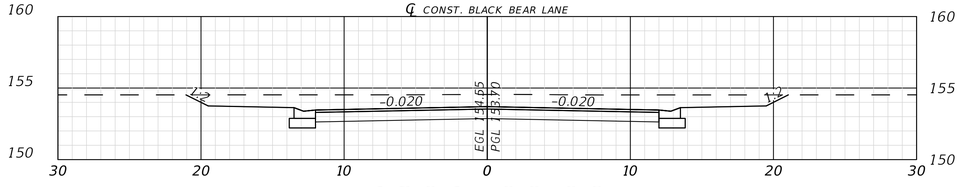

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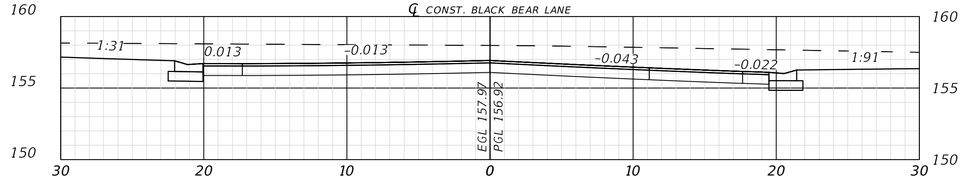

1205+00.00

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2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

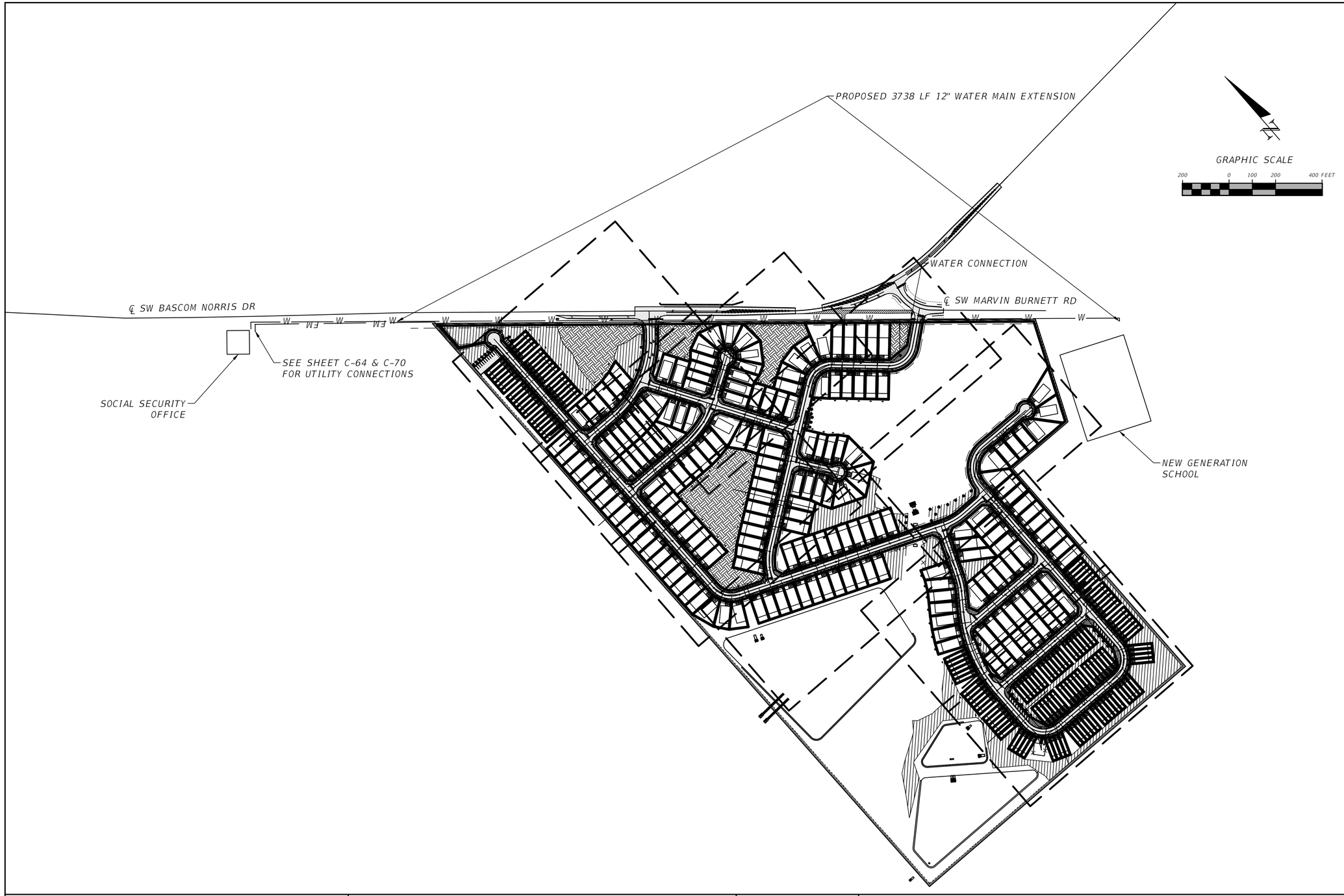
JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

BLACK BEAR LANE ROADWAY CROSS SECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-62

Dalton Kurtz 5/15/2024 11:50:24 AM X:\2023\L230419GAR\H.CADD\Roadway\MODLRD01.dwg C-62 BLACK BEAR LANE ROADWAY CROSS SECTIONS



REVISIONS	
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NORTH FLORIDA PROFESSIONAL SERVICES, INC.

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LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356

2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

OVERALL WATER AND SEWER CONNECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-63

Dalton Kurtz 5/15/2024 11:50:33 AM X:\2023\L230419GAR\H.CADD\Utilities\UTPRUW01.dwg C-63 OVERALL WATER AND SEWER CONNECTIONS

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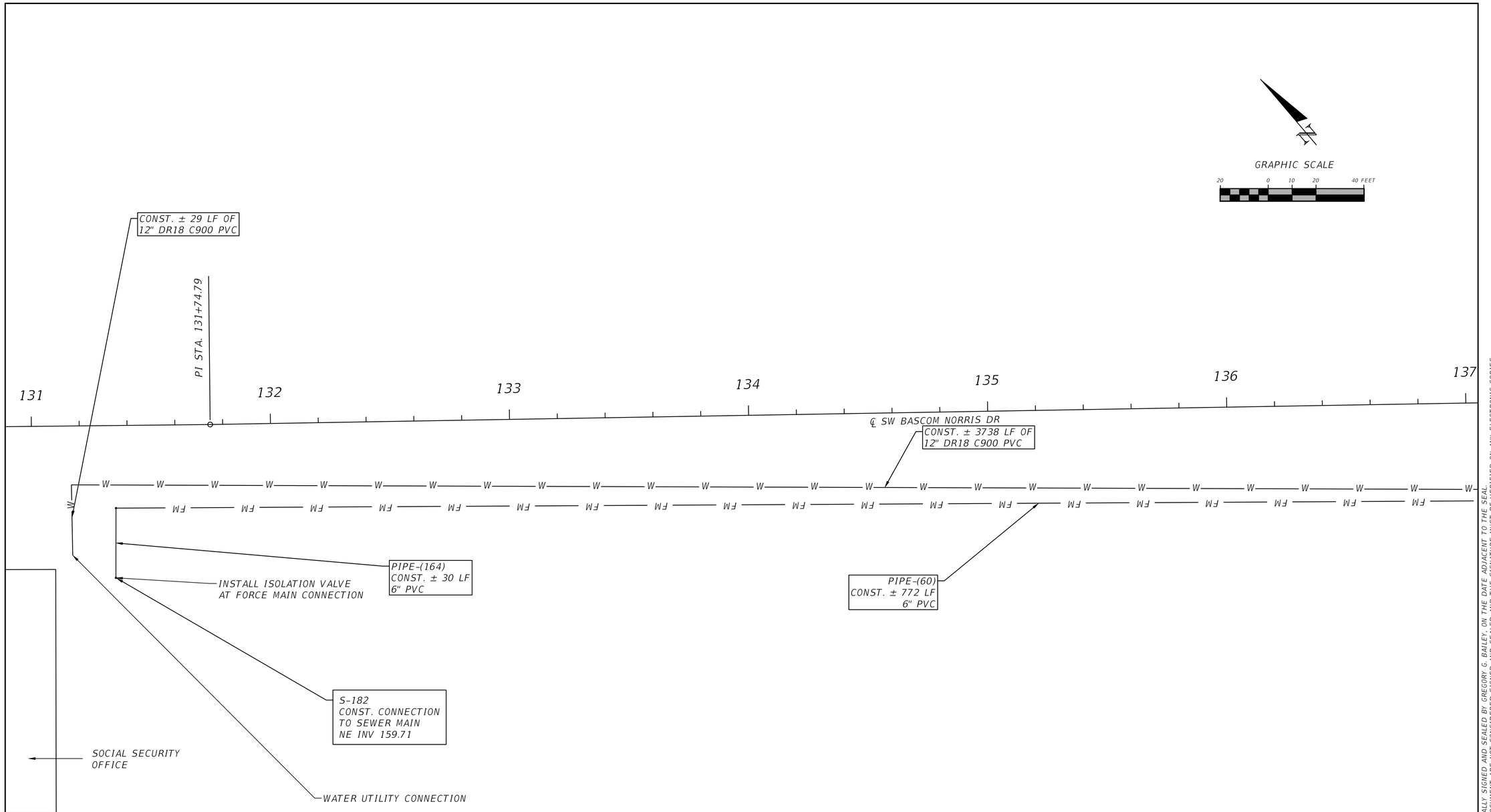

REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.

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PH. 386-752-4675
LIC NO. LB8356

2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

WATER & SEWER CONNECTIONS

HUNTERS CREEK SUBDIVISON

COLUMBIA, FLORIDA

SHEET NO. C-64

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GRAPHIC SCALE

20 0 10 20 40 FEET

PI STA. 137+74.78

PI STA. 142+49.78

138 139 140 141 142 143

℄ SW BASCOM NORRIS DR

CONST. ± 3738 LF (CONT.) OF 12" DR18 C900 PVC

F&I 12"X12"X8" TEE

CONST. ± 85 LF OF 12" DR18 C900 PVC

WT06

WT04

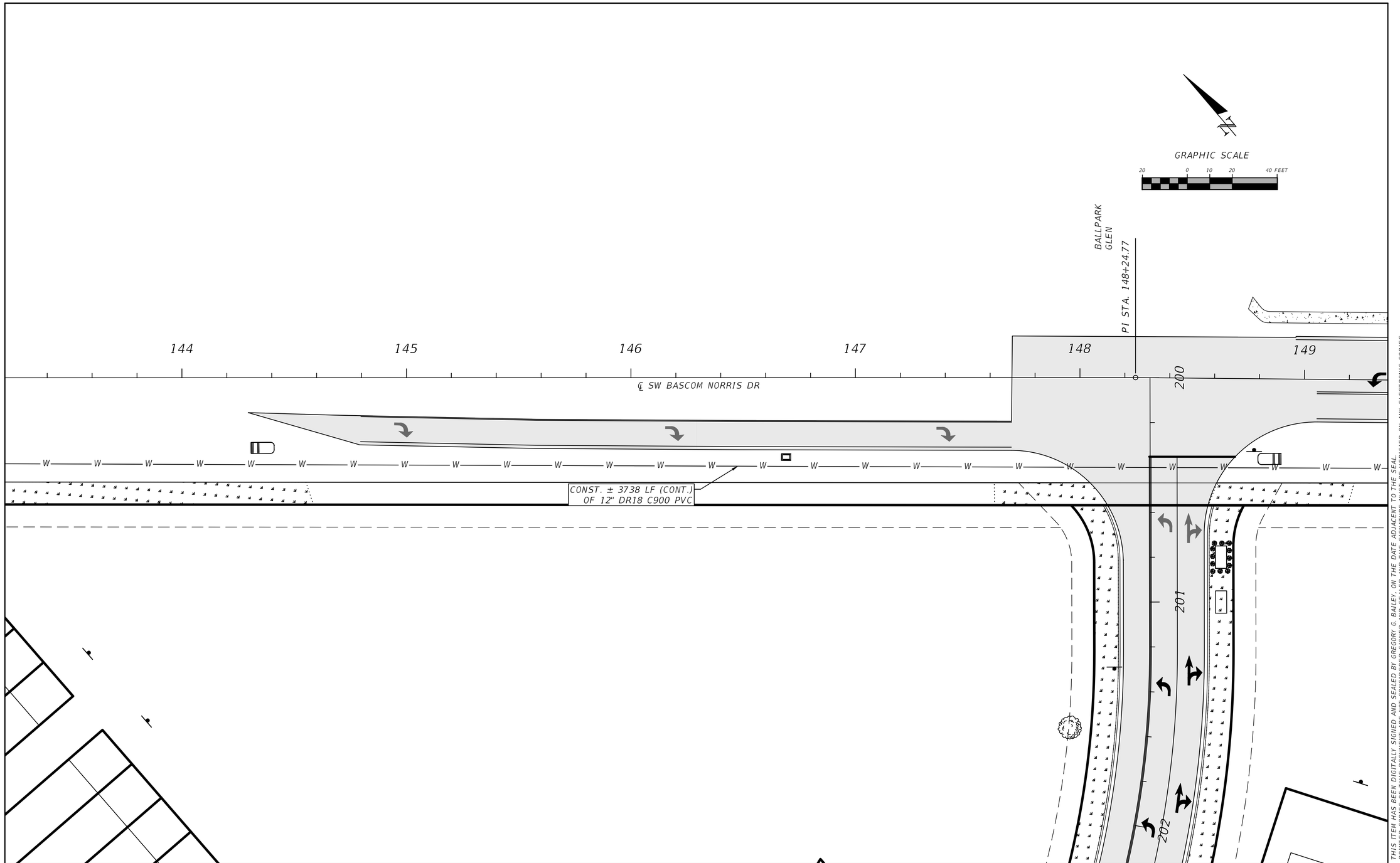
WT01

F&I 8"X8"X8" TEE

F&I 8"X8" 45° BEND

PARCEL: 218-221
AREA: 1 AC
FFE: 168.11

W W W



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LIC NO. LB8356

2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

WATER & SEWER CONNECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-66

Dalton Kurtz 5/15/2024 11:50:45 AM X:\2023\L230419GAR\H.CADD\Utilities\UTPRUW01.dwg C-66 WATER & SEWER CONNECTIONS

GRAPHIC SCALE

20 0 10 20 40 FEET

PI STA. 152+79.14

PC STA. 154+14.68

150 151 152 153 154 155

℄ SW BASCOM NORRIS DR

CONST. ± 3738 LF (CONT.)
OF 2" DR18 C900 PVC

W

PARCEL: 191
AREA: 0.16 AC
FFE: 166.84

PARCEL: 192
AREA: 0.15 AC
FFE: 166.84

PARCEL: 190
AREA: 0.17 AC
FFE: 166.84

PARCEL: 193
AREA: 0.15 AC
FFE: 166.84

PARCEL: 189
AREA: 0.17 AC
FFE: 166.84

PARCEL: 194
AREA: 0.12 AC
FFE: 166.73

PARCEL: 177
AREA: 0.17 AC
FFE: 166.30

46'

REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.

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TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

WATER & SEWER CONNECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-67

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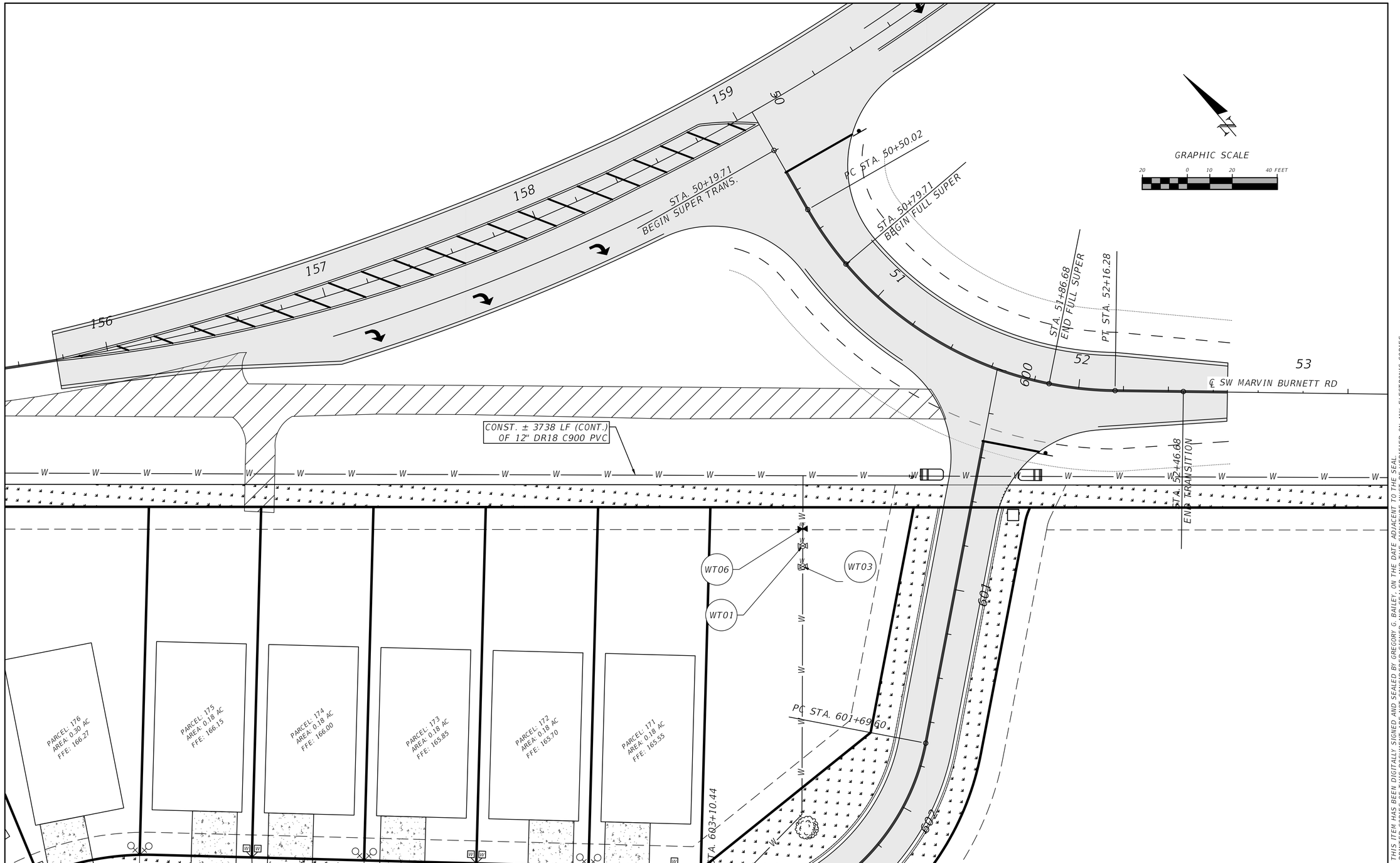

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DATE	DESCRIPTION

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LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356

2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

WATER & SEWER CONNECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-68

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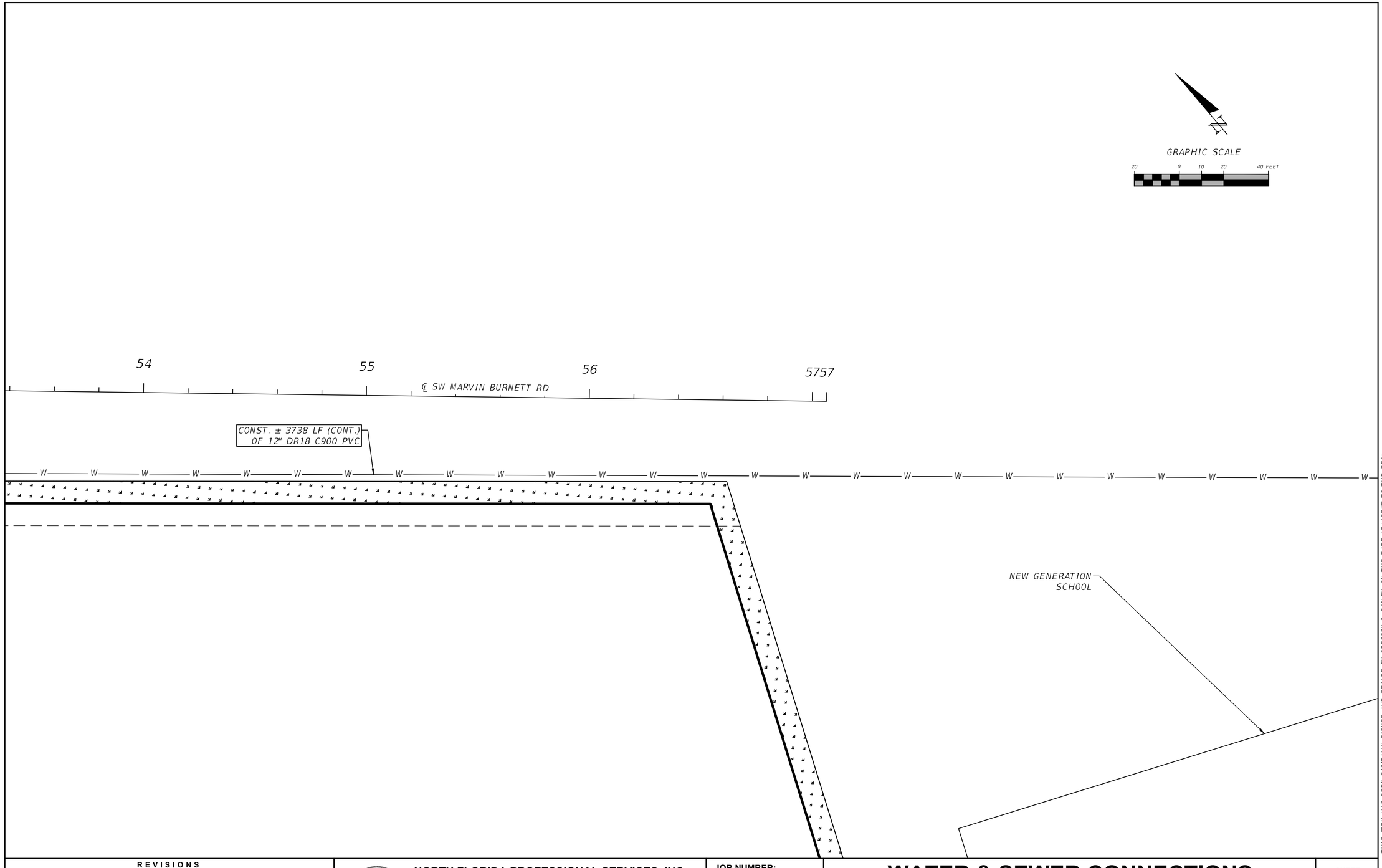

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TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

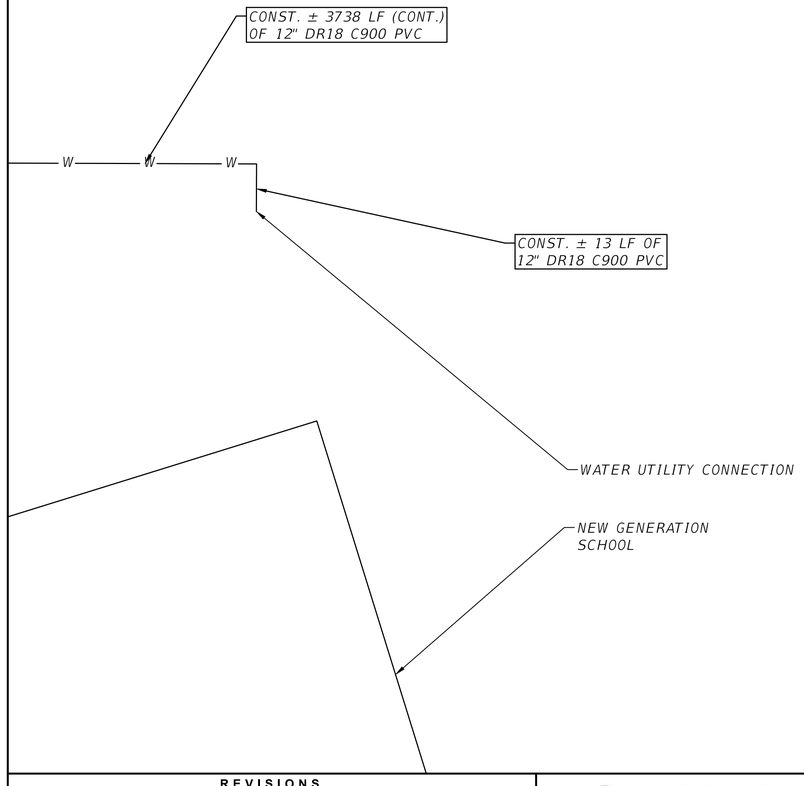
JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

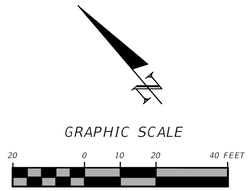
WATER & SEWER CONNECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-69

Dalton Kurtz 5/15/2024 11:50:59 AM X:\2023\L230419GAR\H.CADD\Utilities\UTPRUW01.dwg C-69 WATER & SEWER CONNECTIONS





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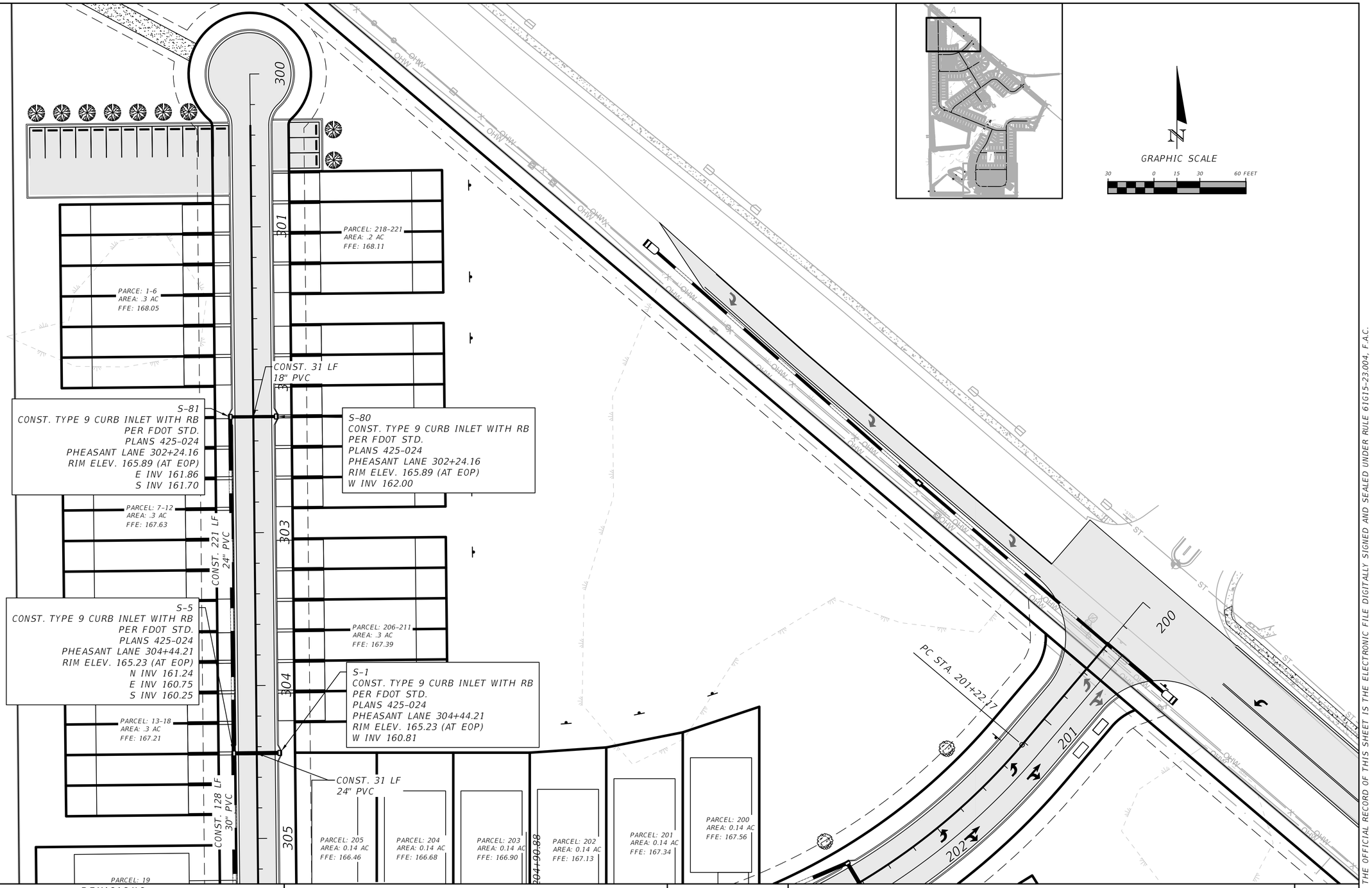
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

WATER & SEWER CONNECTIONS

HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-70



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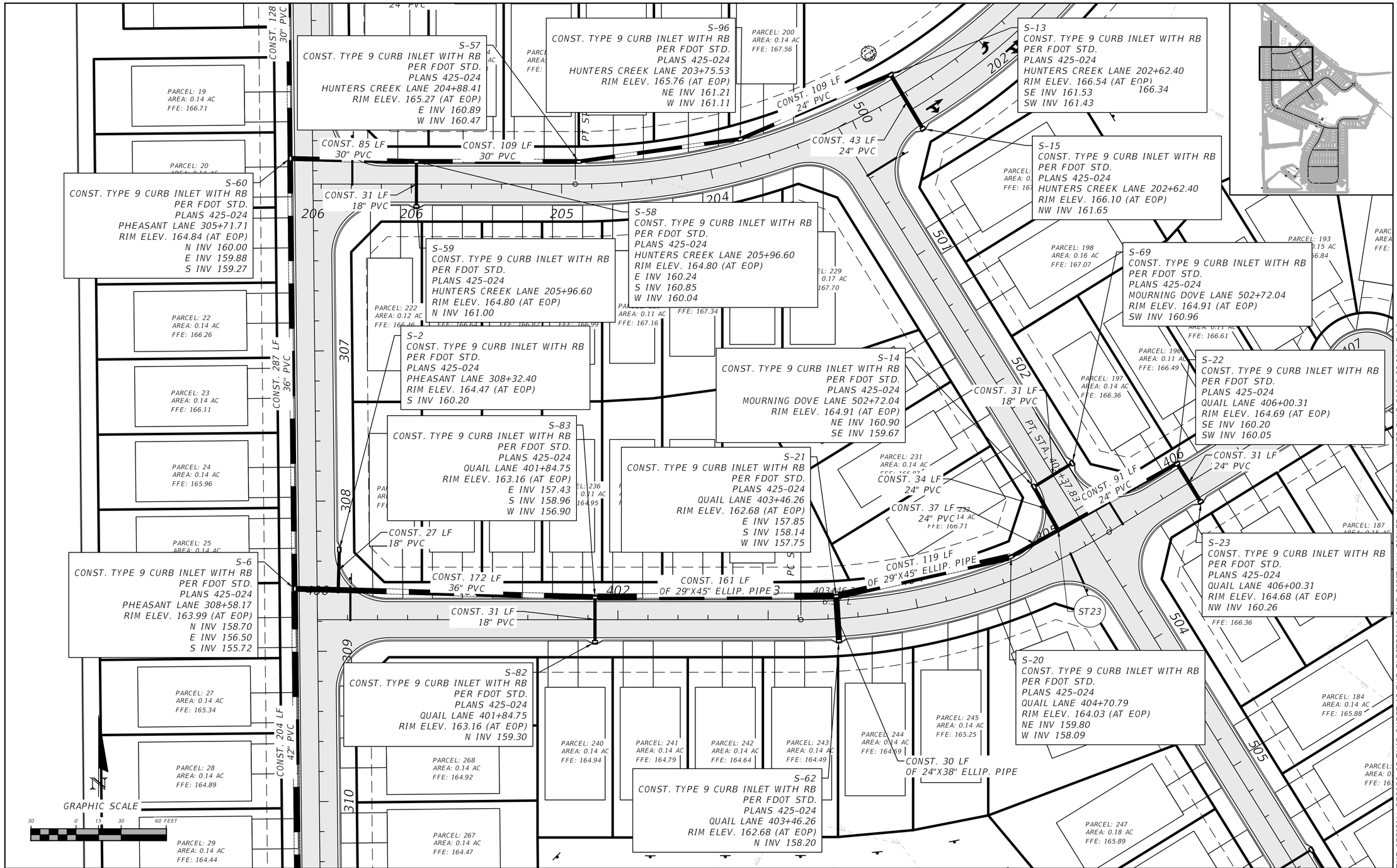
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

STORMWATER PLAN A
HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-71

Dalton Kurtz 5/15/2024 11:51:30 AM X:\2023\L230419GAR\H.CADD\Drainage\DRPRRD01.dwg C-71 STORMWATER PLAN A



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NORTH FLORIDA PROFESSIONAL SERVICES, INC.
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LIC NO. LB8356
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

STORMWATER PLAN B
HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-72

Dalton Kurtz 5/15/2024 11:51:39 AM X:\2023\L230419GAR\H.CADD\Drainage\DRPRRD01.dwg C-72 STORMWATER PLAN B

S-14
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
MOURNING DOVE LANE 502+72.04
RIM ELEV. 164.91 (AT EOP)
NE INV 160.90
SE INV 159.67

S-69
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
MOURNING DOVE LANE 502+72.04
RIM ELEV. 164.91 (AT EOP)
SW INV 160.96

S-22
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
QUAIL LANE 406+00.31
RIM ELEV. 164.69 (AT EOP)
SE INV 160.20
SW INV 160.05

S-23
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
QUAIL LANE 406+00.31
RIM ELEV. 164.68 (AT EOP)
NW INV 160.26

S-20
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
QUAIL LANE 404+70.79
RIM ELEV. 164.03 (AT EOP)
NE INV 159.80
W INV 158.09

S-74
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
MOURNING DOVE LANE 505+74.59
RIM ELEV. 163.86 (AT EOP)
SW INV 160.41
SE INV 159.90

S-75
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
MOURNING DOVE LANE 505+74.59
RIM ELEV. 163.86 (AT EOP)
NE INV 160.50

S-27
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
ALLIGATOR LANE 606+89.98
RIM ELEV. 164.33 (AT EOP)
E INV 158.35
SW INV 158.14

S-76
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
ALLIGATOR LANE 606+22.10
RIM ELEV. 164.53 (AT EOP)
E INV 158.66
W INV 158.46

CONST. 31 LF
18" PVC

CONST. 34 LF
24" PVC

CONST. 37 LF
24" PVC

CONST. 91 LF
24" PVC

CONST. 31 LF
24" PVC

CONST. 119 LF
OF 29"X45" ELLIP. PIPE

CONST. 30 LF
OF 24"X38" ELLIP. PIPE

CONST. 30 LF
12" PVC

CONST. 57 LF
24" PVC

CONST. 46 LF
24" PVC

CONST. 202 LF
30" PVC

PT STA. 403+21.81

PT STA. 403+37.83

PT STA. 605+64.24

PARCEL: 199
AREA: 0.17 AC
FFE: 167.28

PARCEL: 198
AREA: 0.16 AC
FFE: 167.07

PARCEL: 228
AREA: 0.11 AC
FFE: 167.52

PARCEL: 229
AREA: 0.17 AC
FFE: 167.70

PARCEL: 197
AREA: 0.14 AC
FFE: 166.36

PARCEL: 231
AREA: 0.14 AC

PARCEL: 233
AREA: 0.16 AC
FFE: 164.59

PARCEL: 193
AREA: 0.15 AC
FFE: 166.84

PARCEL: 192
AREA: 0.15 AC
FFE: 166.84

PARCEL: 191
AREA: 0.16 AC
FFE: 166.84

PARCEL: 190
AREA: 0.17 AC
FFE: 166.84

PARCEL: 189
AREA: 0.17 AC
FFE: 166.84

PARCEL: 188
AREA: 0.13 AC
FFE: 166.80

PARCEL: 187

PARCEL: 242
AREA: 0.14 AC
FFE: 164.64

PARCEL: 243
AREA: 0.14 AC
FFE: 164.49

PARCEL: 244
AREA: 0.14 AC
FFE: 164.69

PARCEL: 245
AREA: 0.14 AC
FFE: 165.25

PARCEL: 247
AREA: 0.18 AC
FFE: 165.89

PARCEL: 248
AREA: 0.15 AC
FFE: 165.71

PARCEL: 184
AREA: 0.14 AC
FFE: 165.88

PARCEL: 183
AREA: 0.14 AC
FFE: 165.69

PARCEL: 180
AREA: 0.14 AC
FFE: 165.95

PARCEL: 179
AREA: 0.16 AC
FFE: 166.10

PARCEL: 178
AREA: 0.17 AC
FFE: 166.20

PARCEL: 175
AREA: 0.18 AC
FFE: 166.15

PARCEL: 174
AREA: 0.18 AC
FFE: 166.00

PARCEL: 165
AREA: 0.15 AC
FFE: 166.20

166.10

ST23

GRAPHIC SCALE
30 0 15 30 60 FEET

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REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

STORMWATER PLAN C
HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-73

Dalton Kurtz 5/15/2024 11:51:48 AM X:\2023\L230419GAR\H.CADD\Drainage\DRPRRD01.dwg C-73 STORMWATER PLAN C

S-75
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
MOURNING DOVE LANE 505+74.59
RIM ELEV. 163.86 (AT EOP)
NE INV 160.50

CONST. 30 LF
12" PVC

S-7
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
PHEASANT LANE 310+62.13
RIM ELEV. 162.40 (AT EOP)
N INV 155.31
E INV 158.40
S INV 155.11

CONST. 31 LF
12" PVC

S-3
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
PHEASANT LANE 310+62.13
RIM ELEV. 162.40 (AT EOP)
W INV 159.00

163.06 S-28
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
ALLIGATOR LANE 610+20.86
RIM ELEV. 162.70 (AT EOP)
NW INV 158.46

S-30
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
ALLIGATOR LANE 610+90.41
RIM ELEV. 162.42 (AT EOP)
SE INV 158.55

CONST. 31 LF
18" PVC

S-4
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
PHEASANT LANE 314+19.06
RIM ELEV. 160.23 (AT EOP)
W INV 156.35

CONST. 357 LF
42" PVC

S-100
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
ALLIGATOR LANE 610+75.89
RIM ELEV. 162.49 (AT EOP)
NE INV 156.92
SW INV 156.76

S-31
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
ALLIGATOR LANE 612+90.41
RIM ELEV. 161.07 (AT EOP)
SE INV 157.19

CONST. 47 LF
OF 38"X60" ELLIP. PIPE

CONST. 201 LF
36" PVC

CONST. 55 LF
36" PVC
FFE: 164.3?

CONST. 31 LF
18" PVC

CONST. 26 LF
12" PVC

S-8
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
PHEASANT LANE 316+55.37
RIM ELEV. 159.21 (AT EOP)
E INV 153.09
S INV 152.99

S-70
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
ALLIGATOR LANE 615+32.72
RIM ELEV. 159.21 (AT EOP)
E INV 153.32
W INV 153.22

S-16
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
PHEASANT LANE 314+19.06
RIM ELEV. 160.23 (AT EOP)
N INV 154.40
S INV 153.37
E INV 156.23

S-84
CONST. TYPE D DBI
PER FDOT STD.
PLANS 425-052
RIM ELEV. 158.71
S INV 153.56

CONST. 30 LF
OF 38"X60" ELLIP. PIPE

CONST. 127 LF
42" PVC

CONST. 32 LF
OF 38"X60" ELLIP. PIPE

S-29
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
ALLIGATOR LANE 614+17.18
RIM ELEV. 160.22 (AT EOP)
NE INV 154.40
SW INV 153.81

S-32
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
ALLIGATOR LANE 612+90.41
RIM ELEV. 161.07 (AT EOP)
NE INV 155.65
NW INV 157.13
SW INV 154.77

S-17
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
PHEASANT LANE 314+88.98
RIM ELEV. 159.93 (AT EOP)
N INV 152.68
SE INV 152.58

CONST. 78 LF
48" PVC

CONST. 98 LF
42" PVC

CONST. 76 LF
48" PVC

CONST. 51 LF
30" PVC

PT STA. 315+46

PC STA. 614+17.19

PT STA. 615+57.16

S-9
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
ALLIGATOR LANE 615+21.46
RIM ELEV. 159.52 (AT EOP)
NE INV 153.52
W INV 153.42

PARCEL: 29
AREA: 0.14 AC
FFE: 164.44

PARCEL: 267
AREA: 0.14 AC
FFE: 164.47

PARCEL: 266
AREA: 0.14 AC
FFE: 164.02

PARCEL: 265
AREA: 0.14 AC
FFE: 163.57

PARCEL: 264
AREA: 0.14 AC
FFE: 163.12

PARCEL: 32
AREA: 0.14 AC
FFE: 163.09

PARCEL: 33
AREA: 0.14 AC
FFE: 162.78

PARCEL: 262
AREA: 0.14 AC
FFE: 162.58

PARCEL: 34
AREA: 0.14 AC
FFE: 162.56

PARCEL: 261
AREA: 0.14 AC
FFE: 162.37

PARCEL: 35
AREA: 0.14 AC

PARCEL: 36
AREA: 0.14 AC

PARCEL: 39
AREA: 0.16 AC
FFE: 161.65

PARCEL: 260
AREA: 0.15 AC
FFE: 161.30

PARCEL: 256
AREA: 0.14 AC
FFE: 162.65

PARCEL: 257
AREA: 0.14 AC
FFE: 161.64

PARCEL: 247
AREA: 0.18 AC
FFE: 165.89

PARCEL: 248
AREA: 0.15 AC
FFE: 165.71

PARCEL: 249
AREA: 0.18 AC
FFE: 165.02

PARCEL: 252
AREA: 0.14 AC
FFE: 163.99

PARCEL: 253
AREA: 0.14 AC
FFE: 163.65

PARCEL: 155
AREA: 0.13 AC
FFE: 164.53

PARCEL: 153
AREA: 0.14 AC

PARCEL: 156
AREA: 0.14 AC

PARCEL: 152
AREA: 0.14 AC

PARCEL: 157
AREA: 0.13 AC
FFE: 164.81

PARCEL: 158
AREA: 0.23 AC
FFE: 164.86

PARCEL: 150
AREA: 0.14 AC
FFE: 161.85

FFE: 162.15

162.62

310 311 312 313 314 315 506 900 610 611 612 613 614 615 901

GRAPHIC SCALE
30 0 15 30 60 FEET

N

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PH. 386-752-4675
LIC NO. LB8356
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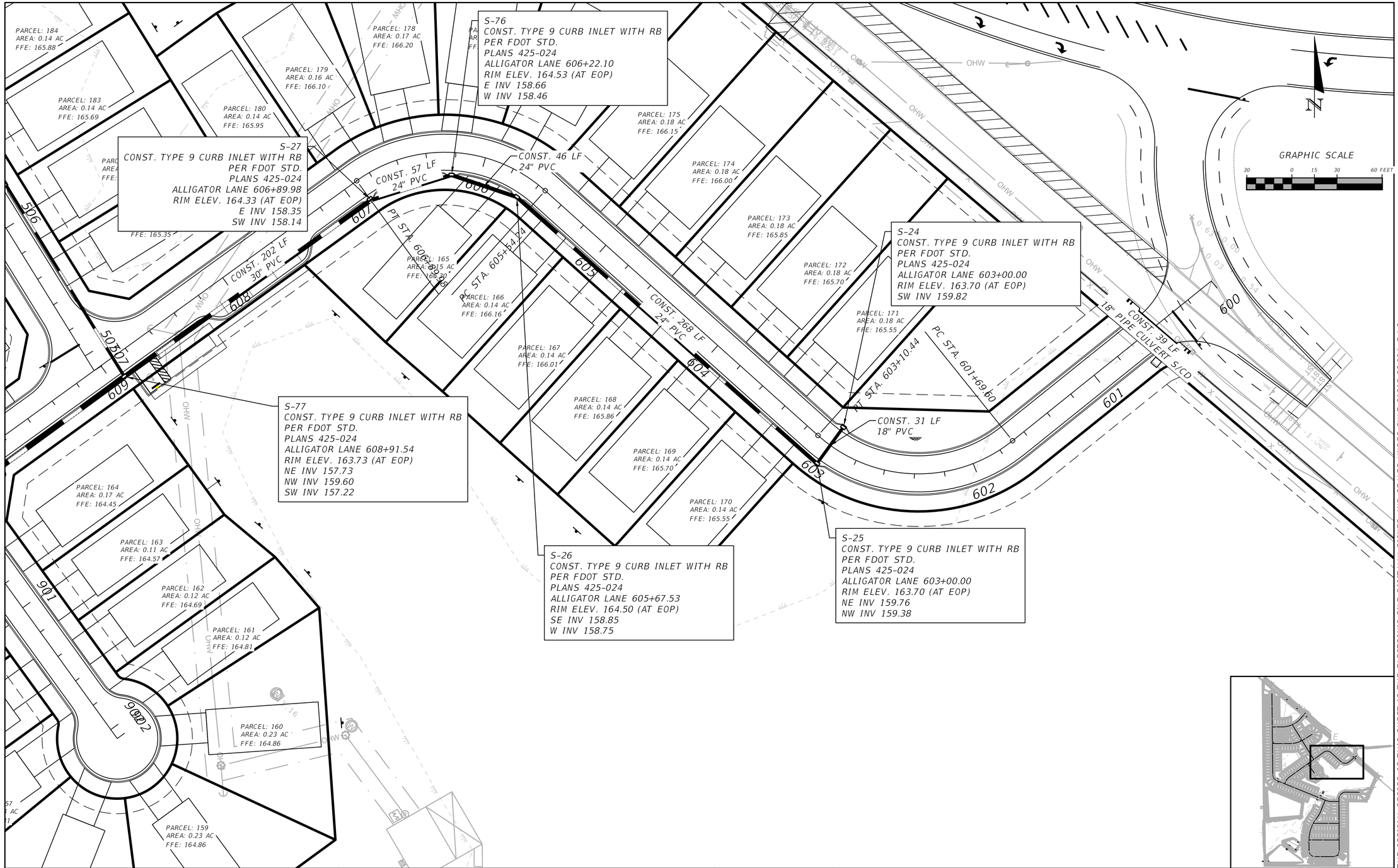
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

STORMWATER PLAN D
HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-74



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TALLAHASSEE, FL 32301
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CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

STORMWATER PLAN E
HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-75

Dalton Kurtz 5/15/2024 11:52:02 AM X:\2023\L230419GAR\H.CADD\Drainage\DRPRRD01.dwg C-75 STORMWATER PLAN E

S-18
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
PHEASANT LANE 315+57.34
RIM ELEV. 159.64 (AT EOP)
NW INV 152.38
N INV 153.46
S INV 151.23

S-78
CONST. CD DMH
PER FDOT STD.
PLANS 425-001
RIM ELEV. 158.45
E INV 152.57
S INV 151.30

S-79
CONST. CD MES
PER FDOT STD.
PLANS 430-021
N FL 146.65

S-19
CONST. CD MES
PER FDOT STD.
PLANS 430-021
N FL 146.65

S-9
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
ALLIGATOR LANE 615+21.46
RIM ELEV. 159.52 (AT EOP)
NE INV 153.52
W INV 153.42

S-10
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
PHEASANT LANE 318+88.83
RIM ELEV. 160.58 (AT EOP)
S INV 156.17

S-12
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
PHEASANT LANE 318+88.83
RIM ELEV. 160.58 (AT EOP)
N INV 155.87
W INV 154.95

S-11
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
PHEASANT LANE 316+55.37
RIM ELEV. 159.23 (AT EOP)
W INV 152.71
E INV 153.80
N INV 152.90

S-94
CONST. CD MES
PER FDOT STD.
PLANS 430-021
NE FL 156.15
NE FL 156.15
NE FL 156.15
NE FL 156.15

CONST. 76 LF 48" PVC
CONST. 51 LF 30" PVC
CONST. 71 LF 48" PVC
CONST. 175 LF 54" PVC
CONST. 179 LF 54" PVC
CONST. 234 LF 36" PVC
CONST. 31 LF 24" PVC
CONST. 98 LF 42" PVC
CONST. 4 86 LF OF 4 24" PVC

PT STA. 615+57.16
PC STA. 614+17.19

PARCEL: 38 AREA: 0.18 AC FFE: 161.71
PARCEL: 260 AREA: 0.15 AC FFE: 161.30
PARCEL: 151 AREA: 0.14 AC FFE: 162.71
PARCEL: 158 AREA: 0.23 AC FFE: 164.86
PARCEL: 159 AREA: 0.23 AC FFE: 164.86
PARCEL: 150 AREA: 0.14 AC FFE: 161.85
PARCEL: 148 AREA: 0.14 AC FFE: 162.15
PARCEL: 145 AREA: 0.14 AC FFE: 163.35
PARCEL: 144 AREA: 0.14 AC FFE: 163.65
PARCEL: 143 AREA: 0.14 AC FFE: 163.95
PARCEL: 142 AREA: 0.14 AC FFE: 164.25
PARCEL: 141 AREA: 0.14 AC FFE: 164.55
PARCEL: 43 AREA: 0.14 AC FFE: 161.27
PARCEL: 44 AREA: 0.14 AC FFE: 161.57
PARCEL: 45 AREA: 0.14 AC FFE: 161.87
PARCEL: 46 AREA: 0.14 AC FFE: 162.17
PARCEL: 50 AREA: 0.14 AC FFE: 163.37
PARCEL: 51 AREA: 0.14 AC FFE: 163.67
PARCEL: 52 AREA: 0.14 AC FFE: 163.97
PARCEL: 53 AREA: 0.16 AC FFE: 161.76

315 314 615 318 319 320 321 322 323

GRAPHIC SCALE
30 0 15 30 60 FEET

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P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

STORMWATER PLAN F
HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-76

Dalton Kurtz 5/15/2024 11:52:09 AM X:\2023\L230419GAR\H.CADD\Drainage\DRPRRD01.dwg C-76 STORMWATER PLAN F

N

GRAPHIC SCALE

30 0 15 30 60 FEET

S-104
CONST. CD MES
PER FDOT STD.
PLANS 430-021
S FL 161.36

S-106
CONST. CD MES
PER FDOT STD.
PLANS 430-021
SW FL 160.69

ER11

CONST. 15 LF
18" CMP

ER11

REPLACE EXISTING PIPES WITH 18" CMP AND MES AT SAME INVERTS.
SEE PIPE REPLACEMENT DETAILS IN THESE PLANS.

CONST. 15 LF
18" CMP

S-105
CONST. CD MES
PER FDOT STD.
PLANS 430-021
NE FL 160.58

S-103
CONST. CD MES
PER FDOT STD.
PLANS 430-021
N FL 161.06

PC STA. 324+79.30

PT STA. 325+76.81

324

325

326

800

801

S-93
CONST. CD MES
PER FDOT STD.
PLANS 430-021
SW FL 155.30
SW FL 155.30
SW FL 155.30
SW FL 155.30

S-67
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 824+05.57
RIM ELEV. 161.60 (AT EOP)
E INV 158.12

PARCEL: 272
AREA: 0.14 AC
FFE: 164.01

PARCEL: 273
AREA:
FFE:

CONST. 31 LF
12" PVC

824

CONST. 87 LF
24" PVC

825

CONST. 85 LF
18" PVC

826

+81.53

S-40
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 825+72.32
RIM ELEV. 162.81 (AT EOP)
S INV 158.74

827 828 829 829

S-41
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 824+91.59
RIM ELEV. 162.38 (AT EOP)
N INV 158.57
S INV 158.08

PC STA. 824+91.59

S-68
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 824+05.57
RIM ELEV. 161.90 (AT EOP)
N INV 157.91
W INV 157.50
S INV 156.76

PARCEL: 136
AREA: 0.14 AC
FFE: 165.71

PARCEL: 137
AREA: 0.14 AC
FFE: 165.98

PARCEL: 138
AREA: 0.24 AC
FFE: 166.28

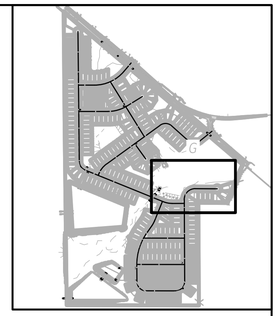
PARCEL: 140
AREA: 0.24 AC
FFE: 166.40

PARCEL: 139
AREA: 0.24 AC
FFE: 166.40

PARCEL:
AREA: 0.1
FFE: 163

PARCEL:
AREA: 0.14 AC
FFE: 163.69

PARCEL: 131
AREA: 0.14 AC
FFE: 163.39



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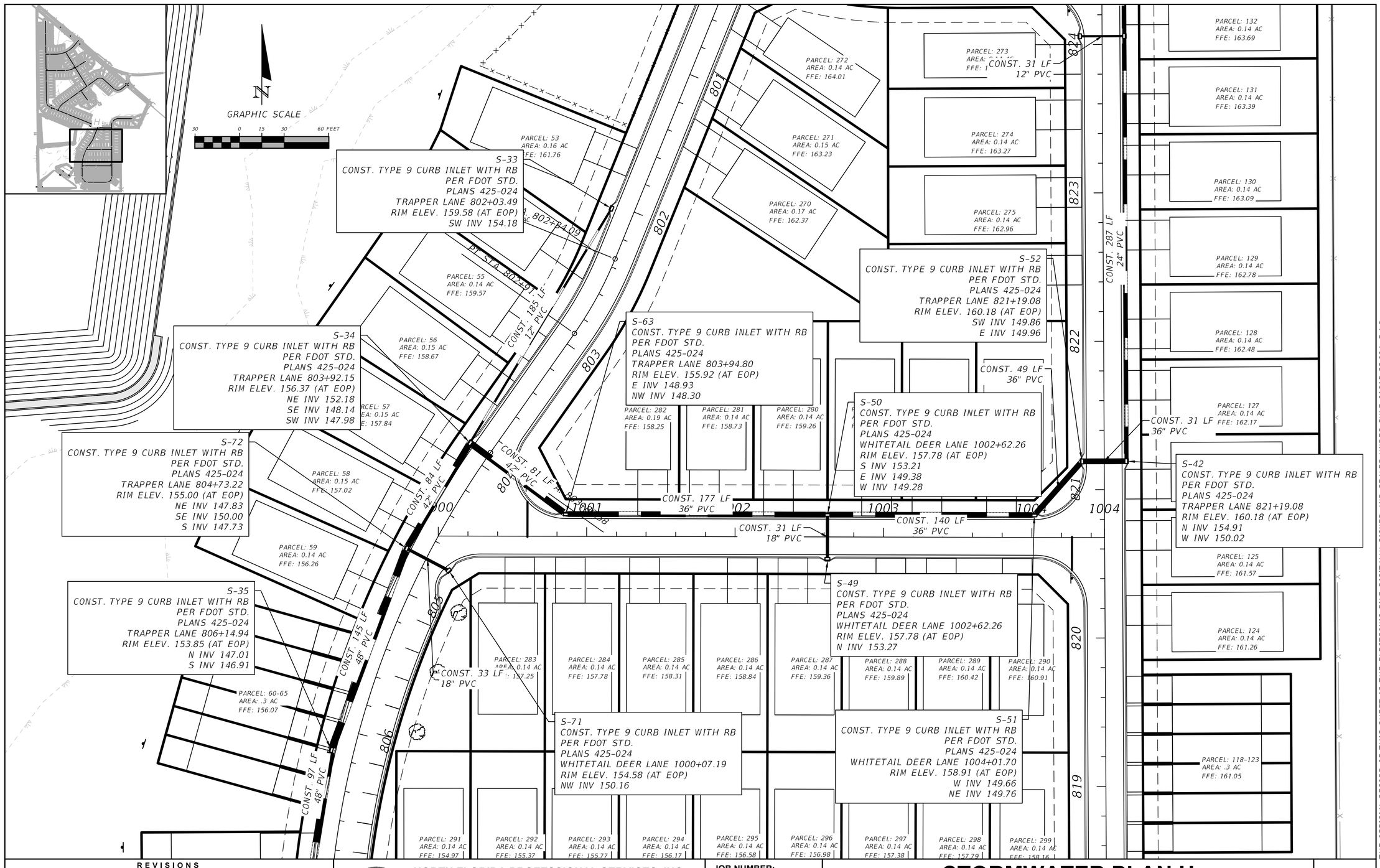
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

STORMWATER PLAN G
HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-77

Dalton Kurtz 5/15/2024 11:52:16 AM X:\2023\L230419GAR\H.CADD\Drainage\DRPRRD01.dwg C-77 STORMWATER PLAN G



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CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

STORMWATER PLAN H
HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-78

Dalton Kurtz 5/15/2024 11:52:23 AM X:\2023\L230419GAR\H.CADD\Drainage\DRPRRD01.dwg C-78 STORMWATER PLAN H

S-36
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 807+08.74
RIM ELEV. 153.29 (AT EOP)
N INV 146.72
S INV 146.62

S-64
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 806+99.56
RIM ELEV. 153.41 (AT EOP)
SE INV 149.34

S-54
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
BLACK BEAR LANE 1202+42.84
RIM ELEV. 154.59 (AT EOP)
S INV 151.05
E INV 149.68
W INV 147.23

S-55
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 818+45.08
RIM ELEV. 158.04 (AT EOP)
S INV 153.34
E INV 153.44

CONST. 31 LF
18" PVC

S-43
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 818+45.08
RIM ELEV. 158.04 (AT EOP)
W INV 153.50

CONST. 47 LF
18" PVC

PARCEL: 293
AREA: 0.14 AC
155.77

PARCEL: 294
AREA: 0.14 AC
FFE: 156.17

S-109
CONST. DMH
TRAPPER LANE 807+97.72
RIM ELEV. 152.99
N INV 146.44
E INV 146.44
W INV 146.34

CONST. 91 LF
48" PVC

CONST. 196 LF
30" PVC

CONST. 253 LF
24" PVC

CONST. 48 LF
12" PVC

STA. 807+61.23

CONST. 68 LF
36" PVC

CONST. 169 LF
48" PVC

S-65
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
BLACK BEAR LANE 1200+47.06
RIM ELEV. 152.72 (AT EOP)
NW INV 149.24
E INV 146.84
S INV 146.74

CONST. 31 LF
12" PVC

S-53
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
BLACK BEAR LANE 1202+42.84
RIM ELEV. 154.61 (AT EOP)
N INV 151.28

S-111
CONST. DMH
BLACK BEAR LANE 1204+95.52
RIM ELEV. 156.89
N INV 153.25
W INV 152.21

AREA: .3 AC
FFE: 158.12

CONST. 40 LF
36" PVC

S-112
CONST. DMH
TRAPPER LANE 809+35.98
RIM ELEV. 152.16
SE INV 145.01
W INV 144.91

CONST. 31 LF
30" PVC

S-37
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 809+79.79
RIM ELEV. 151.66 (AT EOP)
SE INV 147.12

S-73
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
BLACK BEAR LANE 1200+47.00
RIM ELEV. 152.70 (AT EOP)
N INV 146.68
W INV 146.58

S-95
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 815+96.63
RIM ELEV. 154.80 (AT EOP)
SE INV 148.55

S-44
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 815+73.53
RIM ELEV. 153.96 (AT EOP)
NW INV 148.47
SW INV 147.60

CONST. 209 LF
OF 43"X68" ELLIP. PIPE

PC STA. 809+49.23

S-56
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 811+98.67
RIM ELEV. 151.96 (AT EOP)
S INV 147.54

ST23

PT STA. 815+83.30

CONST. 24 LF
12" PVC

FFE: 154.55

CONST. 65 LF
OF 34"X53" ELLIP. PIPE

CONST. 23 LF
OF 34"X53" ELLIP. PIPE

CONST. 86 LF
OF 43"X68" ELLIP. PIPE

S-39
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 810+20.00
RIM ELEV. 151.42 (AT EOP)
SE INV 145.28
SW INV 146.87
NW INV 145.18

S-66
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 815+09.49
RIM ELEV. 153.00 (AT EOP)
SE INV 149.67

S-45
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 814+94.57
RIM ELEV. 152.85 (AT EOP)
NE INV 147.42
W INV 146.88

PARCEL: 78-81
AREA: .2 AC
FFE: 153.65

CONST. 92 LF
OF 38"X60" ELLIP. PIPE

CONST. 46 LF
24" PVC

CONST. 31 LF
24" PVC

CONST. 87 LF
OF 38"X60" ELLIP. PIPE

CONST. 220 LF
OF 38"X60" ELLIP. PIPE

CONST. 84 LF
OF 38"X60" ELLIP. PIPE

S-38
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 810+20.00
RIM ELEV. 151.42 (AT EOP)
NW INV 147.03
NE INV 146.93

S-48
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 811+11.60
RIM ELEV. 151.70 (AT EOP)
E INV 145.86
NW INV 145.46

S-47
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 811+98.67
RIM ELEV. 151.96 (AT EOP)
E INV 146.13
N INV 147.39
W INV 146.03

S-46
CONST. TYPE 9 CURB INLET WITH RB
PER FDOT STD.
PLANS 425-024
TRAPPER LANE 814+18.67
RIM ELEV. 152.62 (AT EOP)
E INV 146.71
W INV 146.57

807 808 809 810 811 812 813 814 815 816 817 818

1200 1201 1202 1203 1204 1205

N

GRAPHIC SCALE
30 0 15 30 60 FEET

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REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

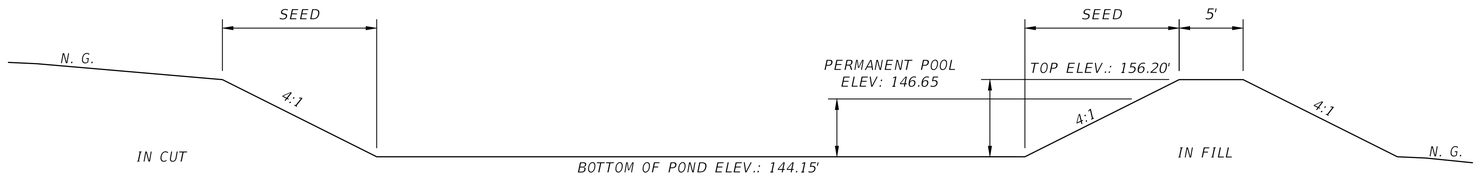
JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

STORMWATER PLAN I
HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-79

Dalton Kurtz 5/15/2024 11:52:30 AM X:\2023\L230419GAR\H.CADD\Drainage\DRPRRD01.dwg C-79 STORMWATER PLAN I

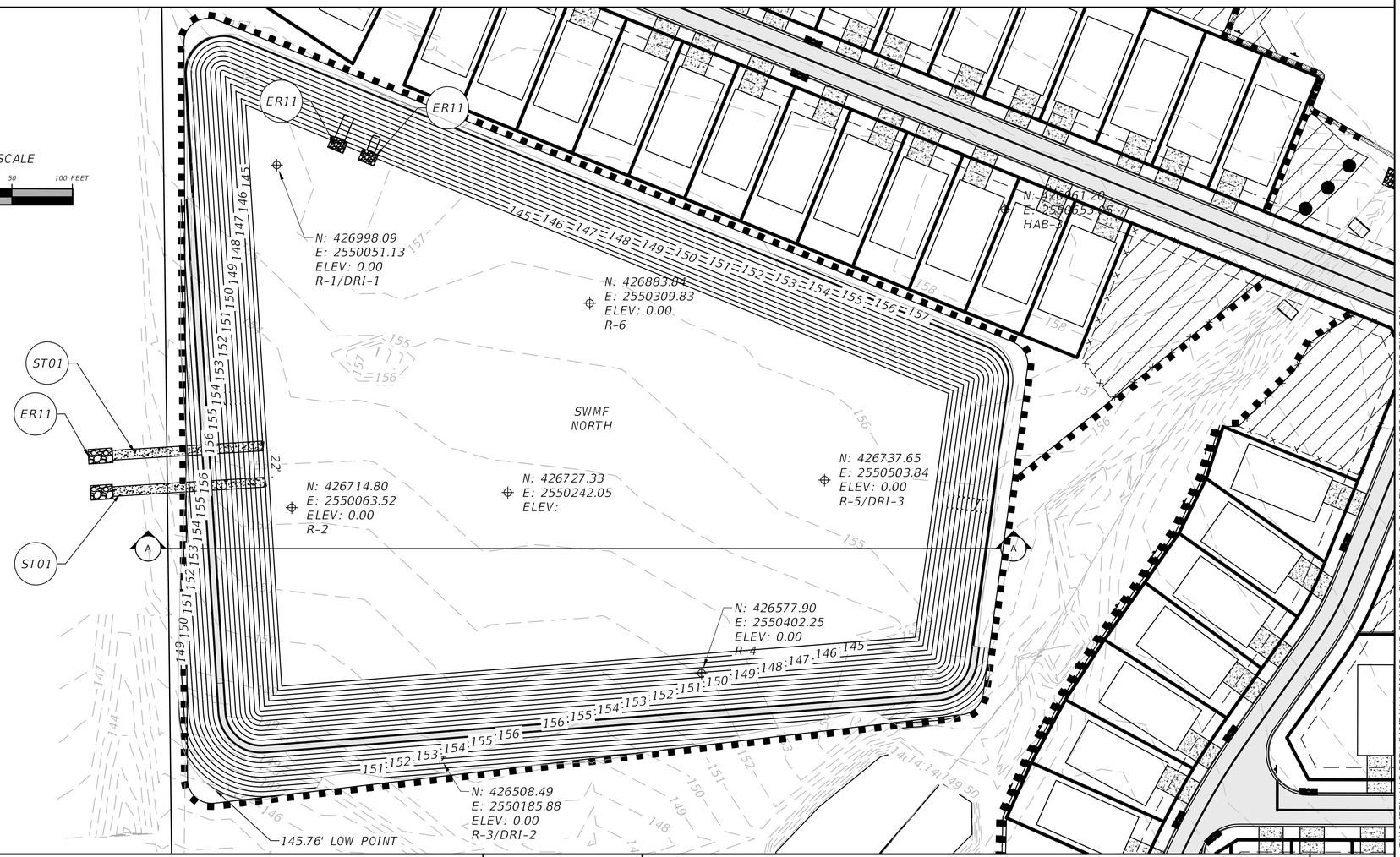
CRITICAL EVENT: 100 YR - 24 HR
MAX STAGE: 155 ft. NAVD



SECTION A-A SWMF DETAIL

SOIL BORING LOCATION

GRAPHIC SCALE
50 0 25 50 100 FEET



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TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

SWMF NORTH
HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-80

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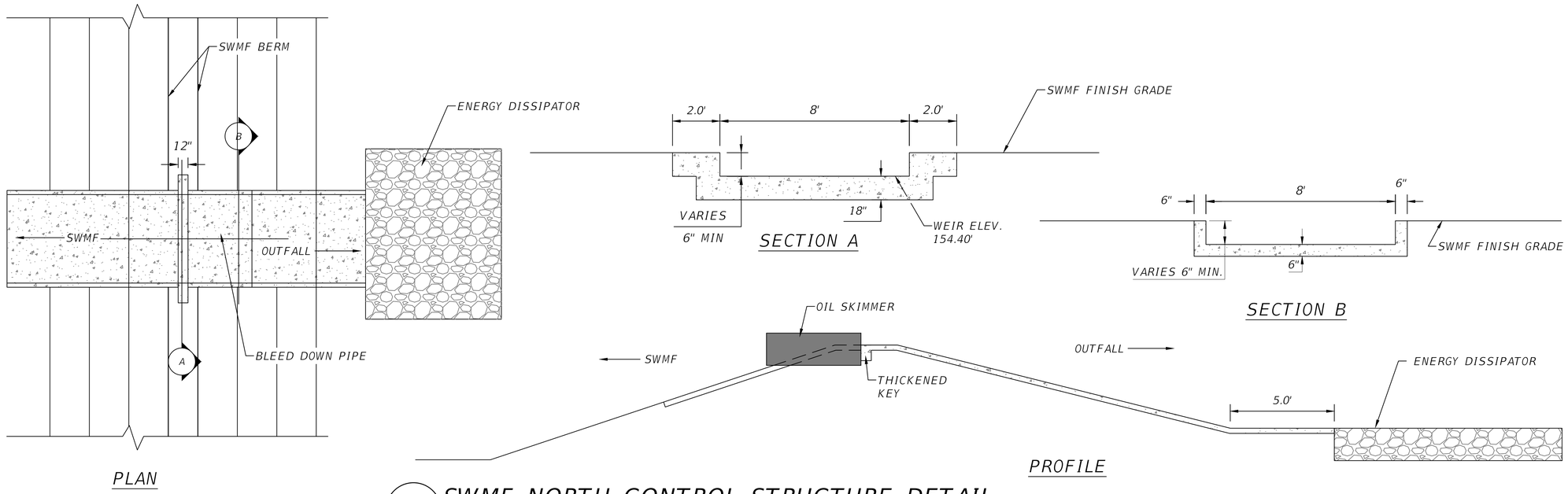

ST01 **SWMF NORTH CONTROL STRUCTURE DETAIL**
SCALE: N.T.S.

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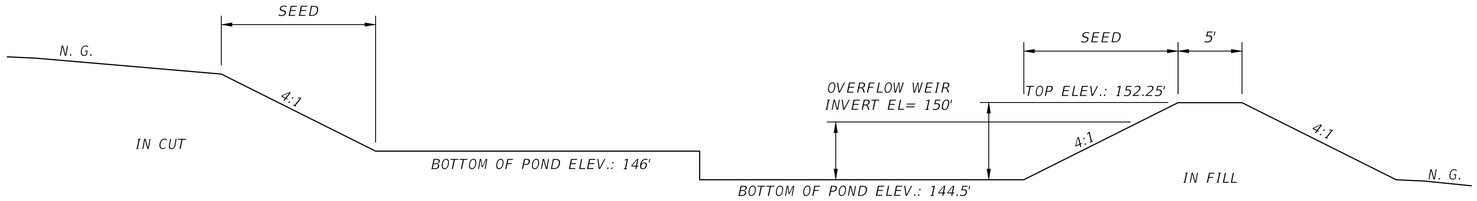
2551 BLAIRSTONE PINES DR. — TALLAHASSEE, FL 32301 — WWW.NFPS.NET — CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

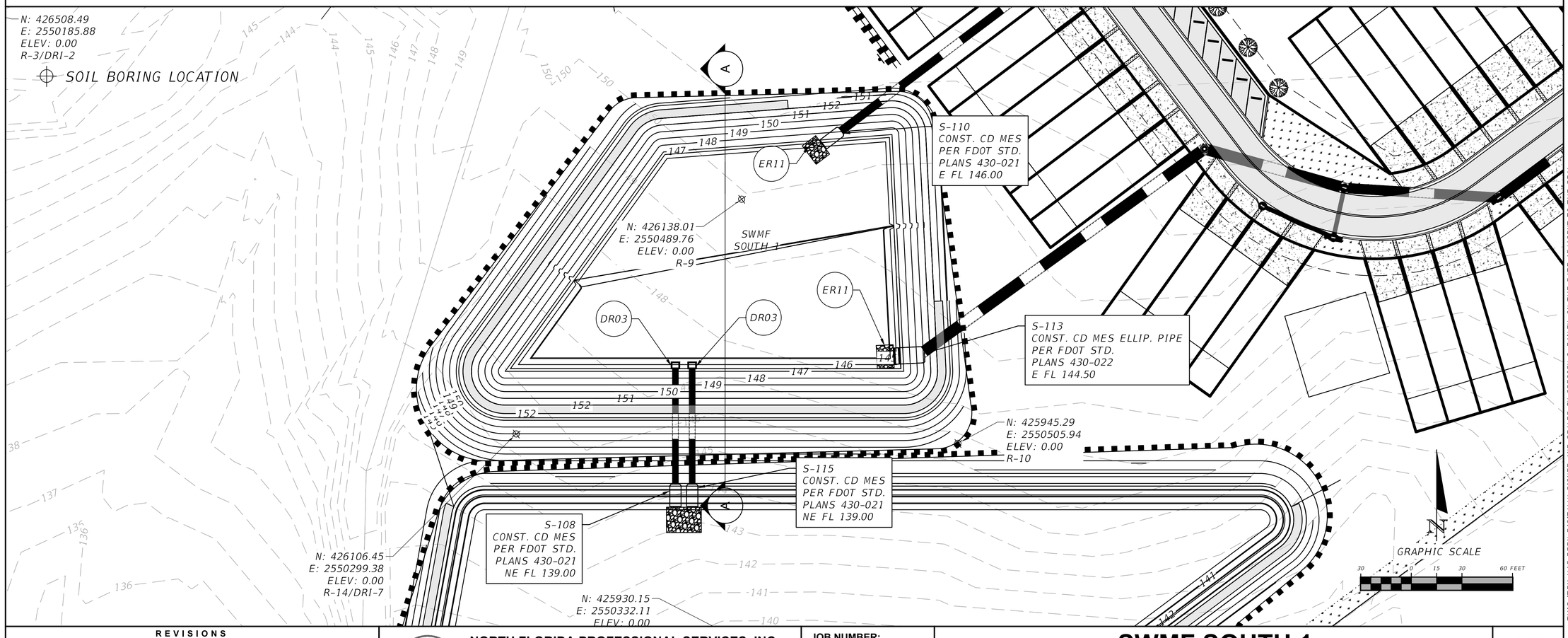
NORTH OUTFALL STRUCTURES
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-81

CRITICAL EVENT:	100 YR – 1 HR
MAX STAGE:	151.23 ft. NAVD



SECTION A–A SWMF DETAIL



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LAKE CITY, FL 32056
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LIC NO. LB8356
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

SWMF SOUTH 1
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-82

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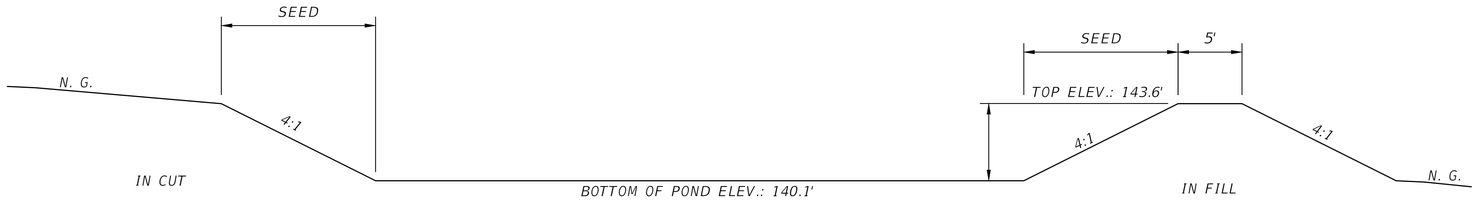
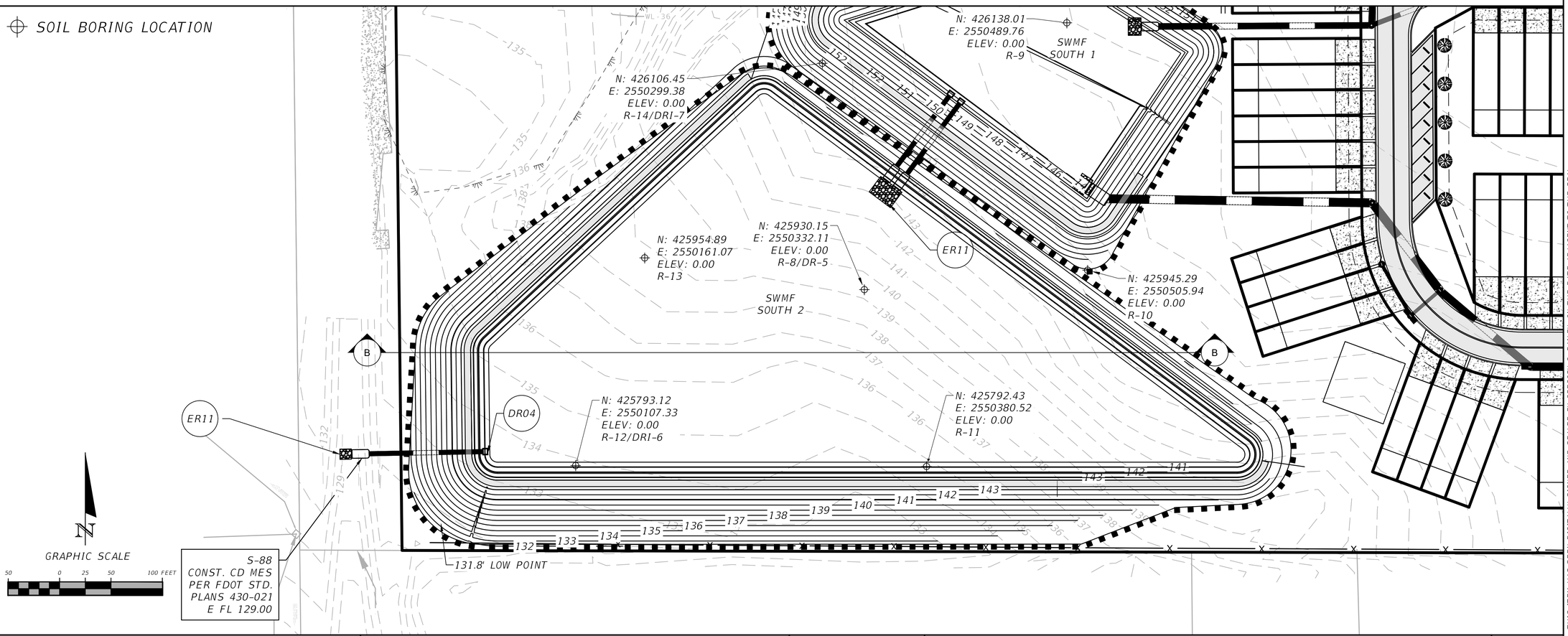
CRITICAL EVENT:	100 YR – 8 HR
MAX STAGE:	142.34 ft. NAVD



SECTION B-B SWMF DETAIL

SOIL BORING LOCATION



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LAKE CITY, FL 32056 — TALLAHASSEE, FL 32301
PH. 386-752-4675 — WWW.NFPS.NET
LIC NO. LB8356 — CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

SWMF SOUTH 2
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-83

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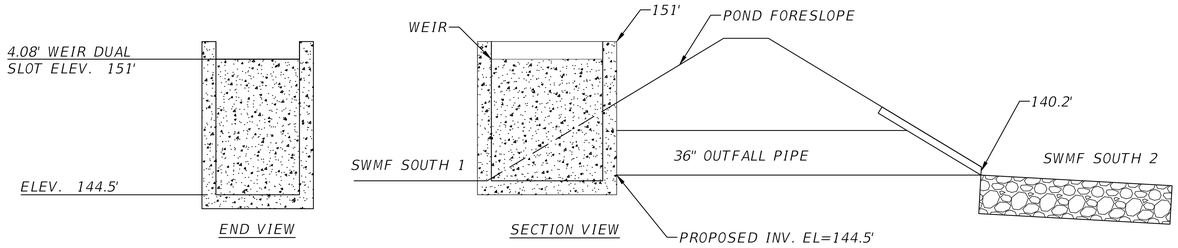
TYPE D DBI



DR03 **SWMF SOUTH 1 CONTROL STRUCTURE DETAIL**
SCALE: N.T.S.

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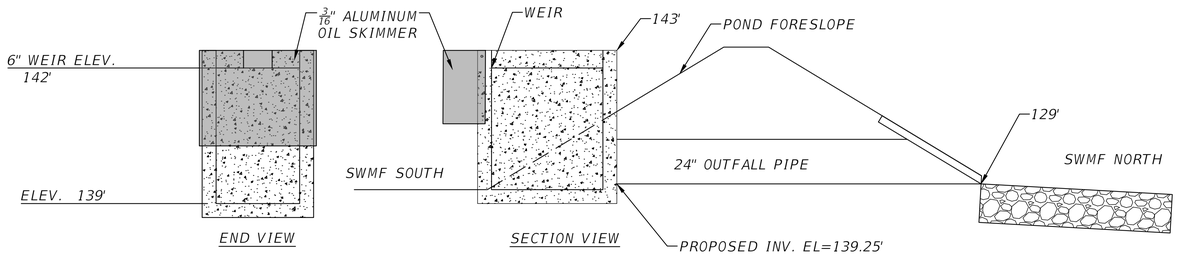
PH. 386-752-4675 — WWW.NFPS.NET
LIC NO. LB8356 — CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

SWMF SOUTH 1 OUTFALL STRUCTURE
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-84

TYPE D DBI



DR04 **SWMF SOUTH 2 CONTROL STRUCTURE DETAIL**
SCALE: N.T.S.

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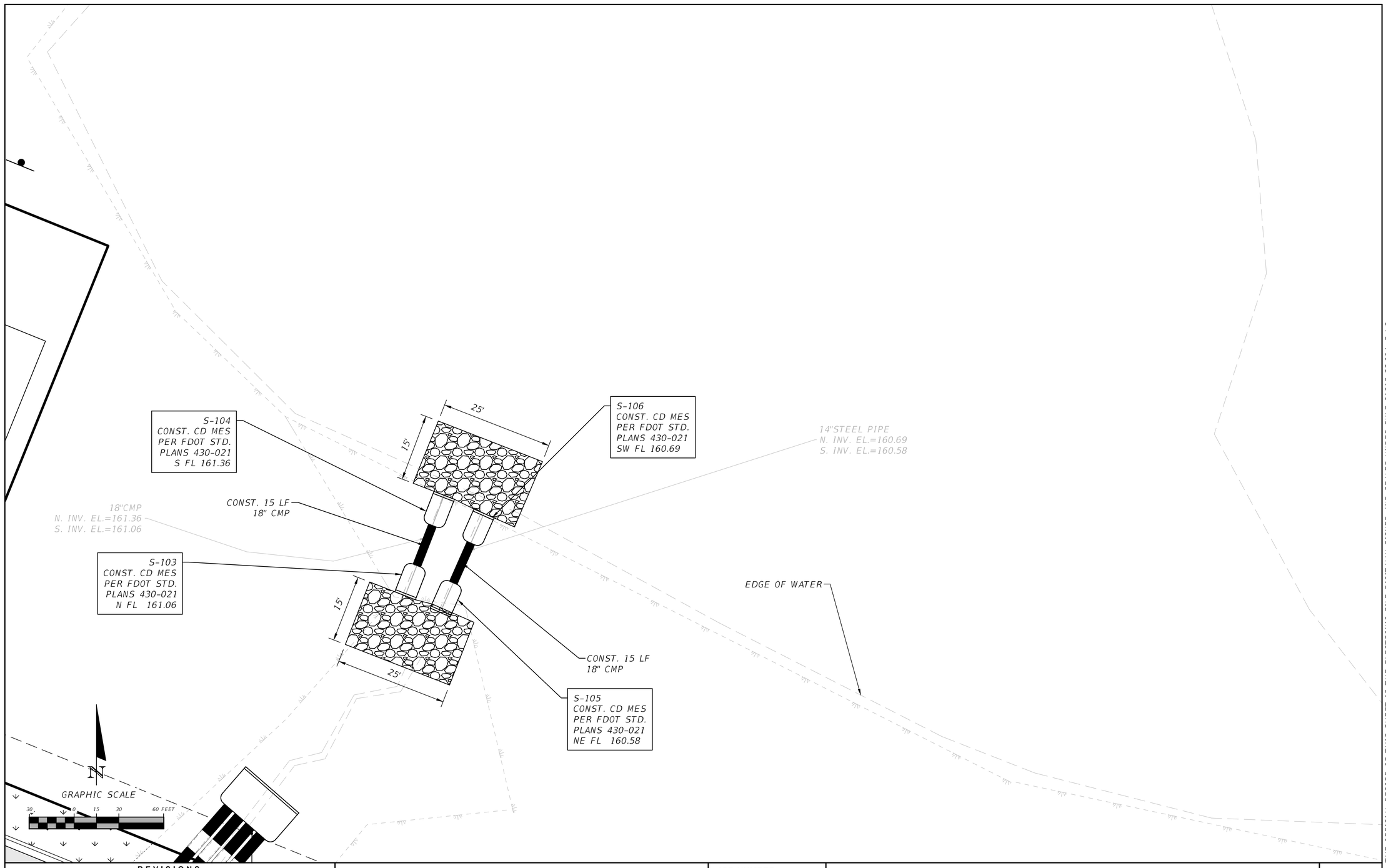
PH. 386-752-4675 — WWW.NFPS.NET
LIC NO. LB8356 — CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

SWMF SOUTH 2 OUTFALL STRUCTURE
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-85



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LIC NO. LB8356

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WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

PIPE REPLACEMENT DETAIL

HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-86

Dalton Kurtz 5/15/2024 11:53:33 AM X:\2023\L230419GAR\H.CADD\Drainage\DRPRRD01.dwg C-86 PIPE REPLACEMENT DETAIL

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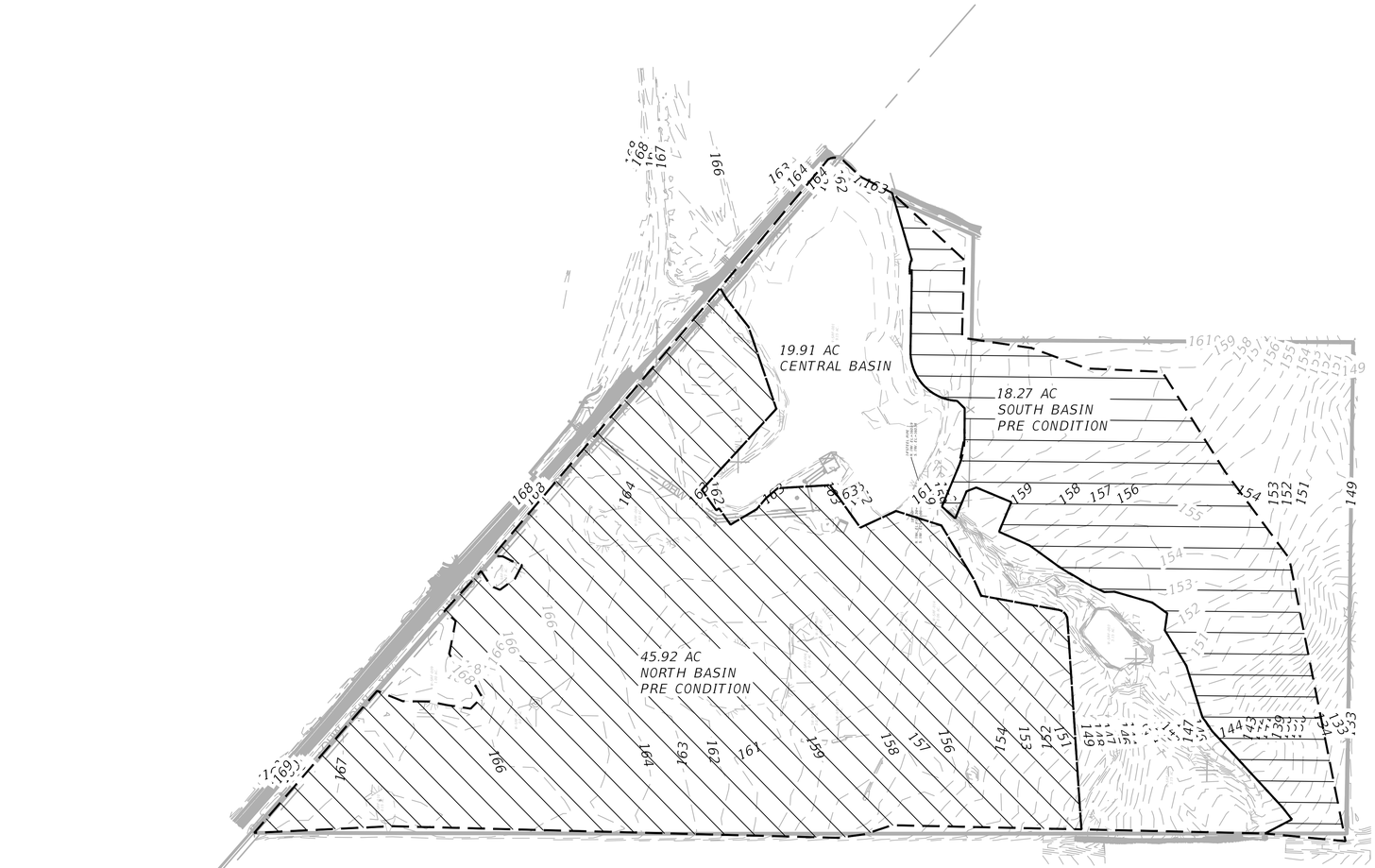

N

GRAPHIC SCALE

200 0 100 200 400 FEET

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TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

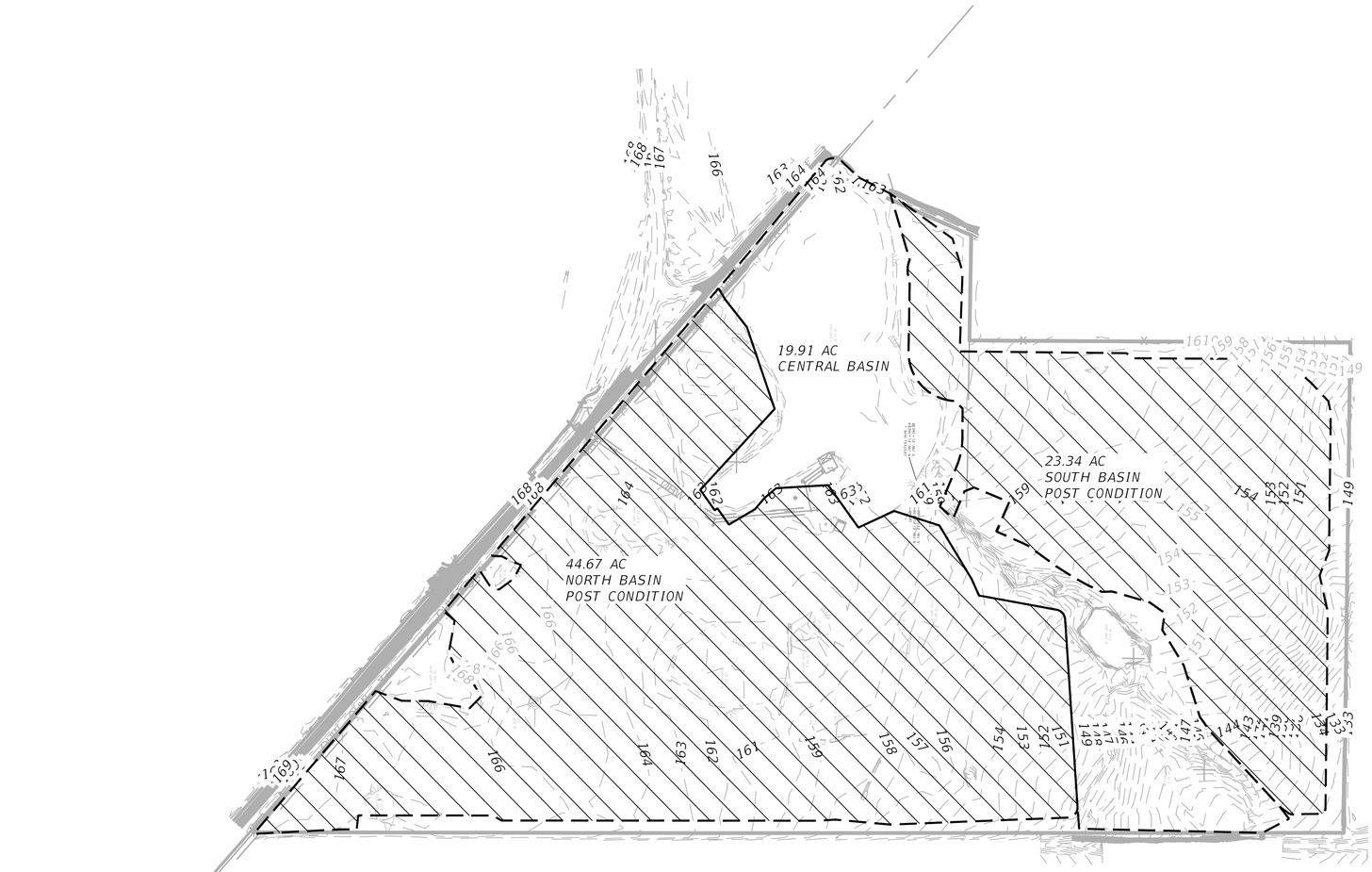
JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

PRE CONDITION BASINS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

SHEET NO. C-87

Dalton Kurtz 5/15/2024 11:53:40 AM X:\2023\L230419GAR\H.CADD\Roadway\PLANRD01.DWG C-87 PRE CONDITION BASINS



N

GRAPHIC SCALE

200 0 100 200 400 FEET

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PH. 386-752-4675
LIC NO. LB8356
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

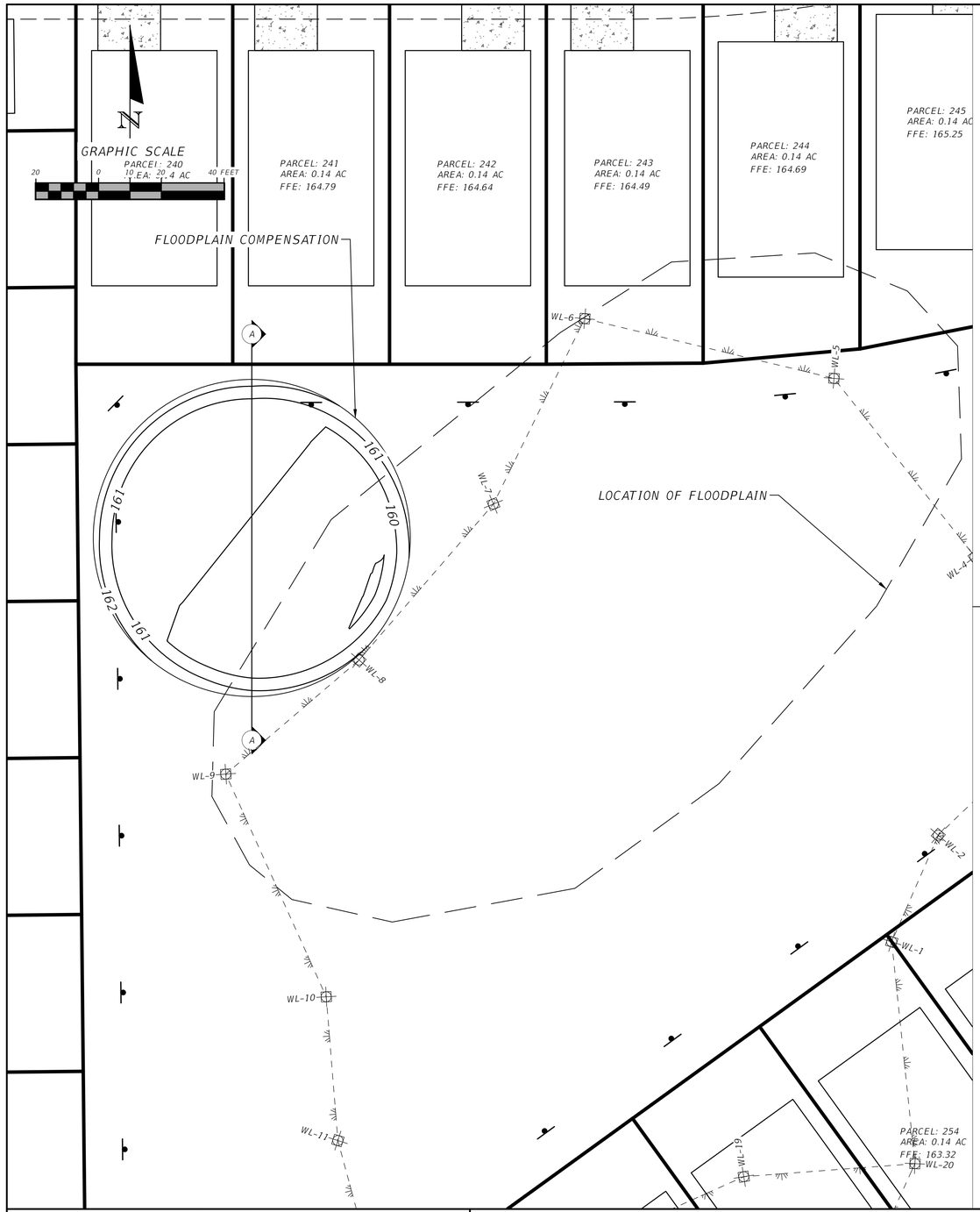
JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

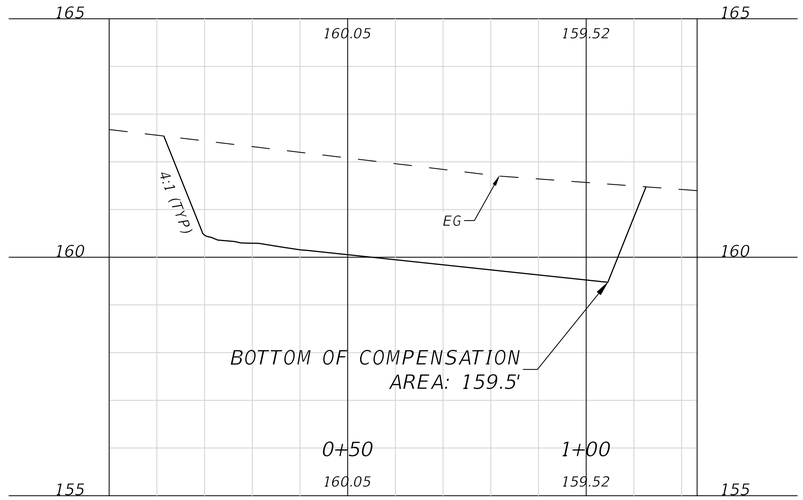
POST CONDITION BASINS

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

SHEET NO. C-88

Dalton Kurtz 5/15/2024 11:53:43 AM X:\2023\L230419GAR\H.CADD\Roadway\PLANRD01.DWG C-88 POST CONDITION BASINS





SECTION A-A

AVERAGE FLOODPLAIN ELEVATION: 161.35' NAVD
AREA OF PROJECT IN FLOODPLAIN: 32,171 SQFT
AREA OF PROJECT IN FILL BELOW AVERAGE FLOODPLAIN ELEVATION: 29,995 SQFT
VOLUME OF PROJECT IN FILL BELOW AVERAGE FLOODPLAIN ELEVATION: 443 CUYDS.
AREA OF COMPENSATING STORAGE: 8023 SQFT
VOLUME OF COMPENSATING STORAGE: 454 CUYDS

STAGE STORAGE TABLE

ELEV	AREA (sq. ft.)	DEPTH (ft)	AVG END INC. VOL. (cu. ft.)	AVG END TOTAL VOL. (cu. ft.)
159.00	62	N/A	N/A	0
160.00	3,548	1.00	1805	1805
161.00	6,913	1.00	5230	7035
162.00	3,522	1.00	5218	12253

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CA# 29011

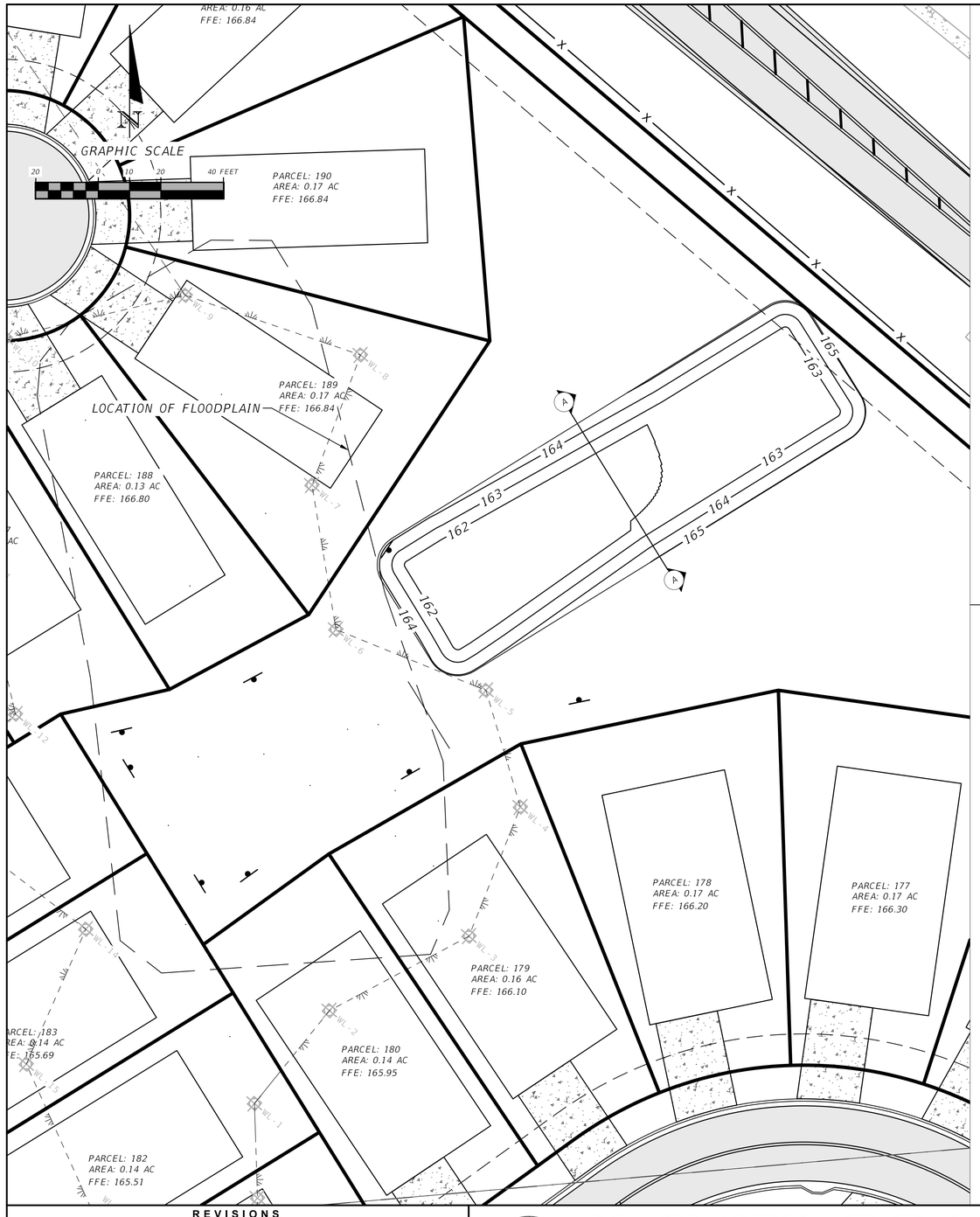
JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

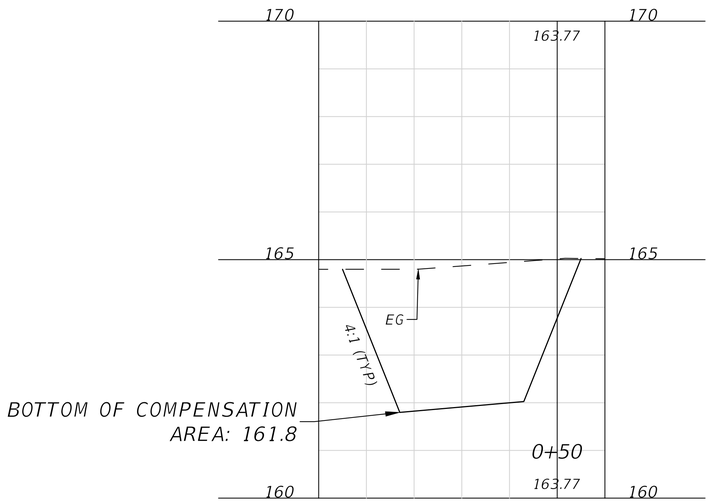
FLOODPLAIN COMPENSATION AREA 1

HUNTERS CREEK SUBDIVISON

COLUMBIA COUNTY, FLORIDA

SHEET NO. C-89





SECTION A-A

AVERAGE FLOODPLAIN ELEVATION: 164.05' NAVD
AREA OF PROJECT IN FLOODPLAIN: 21,978 SQFT
AREA OF PROJECT IN FILL BELOW AVERAGE FLOODPLAIN ELEVATION: 19,271 SQFT
VOLUME OF PROJECT IN FILL BELOW AVERAGE FLOODPLAIN ELEVATION: 554 CUYDS.
AREA OF COMPENSATING STORAGE: 7995 SQFT
VOLUME OF COMPENSATING STORAGE: 566 CUYDS

STAGE STORAGE TABLE

ELEV	AREA (sq. ft.)	DEPTH (ft)	AVG END INC. VOL. (cu. ft.)	AVG END TOTAL VOL. (cu. ft.)
162.00	2,494	N/A	N/A	0
163.00	5,349	1.00	3922	3922
164.00	6,862	1.00	6106	10027
165.00	3,623	1.00	5243	15270

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WWW.NFPS.NET
CA# 29011

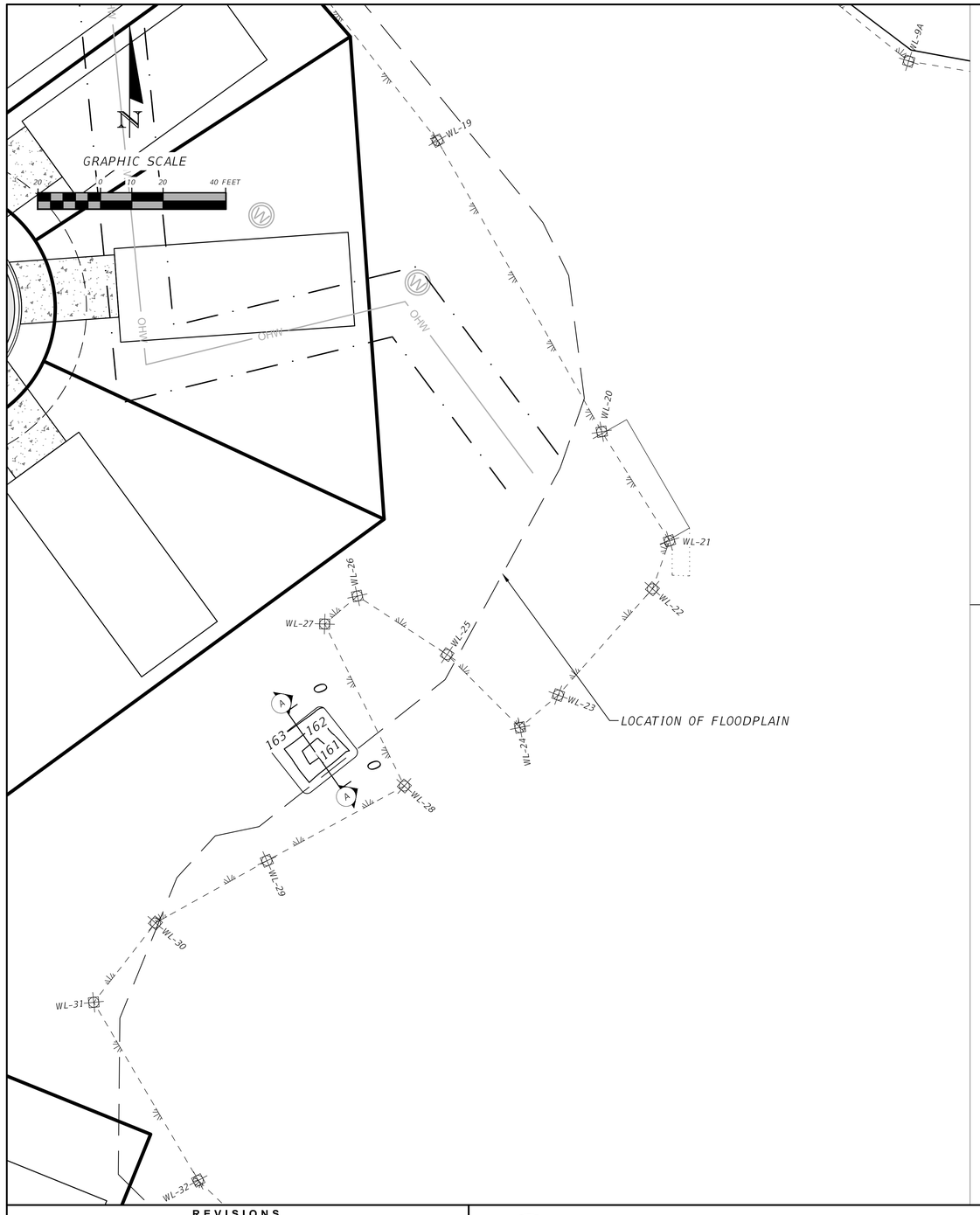
JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

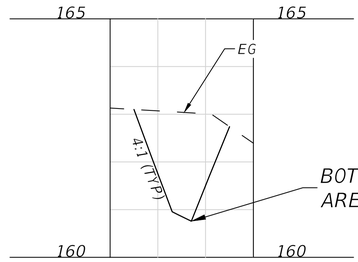
FLOODPLAIN COMPENSATION AREA 2

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-90

Dalton Kurtz 5/15/2024 11:54:26 AM X:\2023\L230419GAR\H.CADD\Drainage\DRFLRD01.dwg C-90 FLOODPLAIN COMPENSATION AREA 2





SECTION A-A

AVERAGE FLOODPLAIN ELEVATION: 162.68' NAVD
AREA OF PROJECT IN FLOODPLAIN: 451,646 SQFT
AREA OF PROJECT IN FILL BELOW AVERAGE FLOODPLAIN ELEVATION: 702 SQFT
VOLUME OF PROJECT IN FILL BELOW AVERAGE FLOODPLAIN ELEVATION: 7 CUYDS.
AREA OF COMPENSATING STORAGE : 437 SQFT
VOLUME OF COMPENSATING STORAGE: 8 CUYDS

STAGE STORAGE TABLE

ELEV	AREA (sq. ft.)	DEPTH (ft)	AVG END INC. VOL. (cu. ft.)	AVG END TOTAL VOL. (cu. ft.)
161.00	38	N/A	N/A	0
162.00	200	1.00	119	119
163.00	5	1.00	103	222

REVISIONS	
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2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

FLOODPLAIN COMPENSATION AREA 3
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-91

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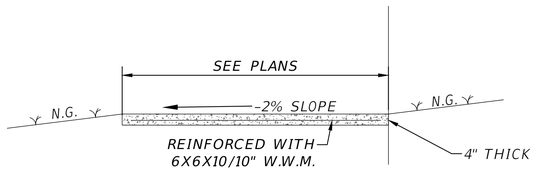
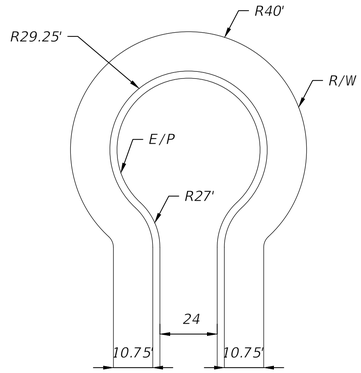
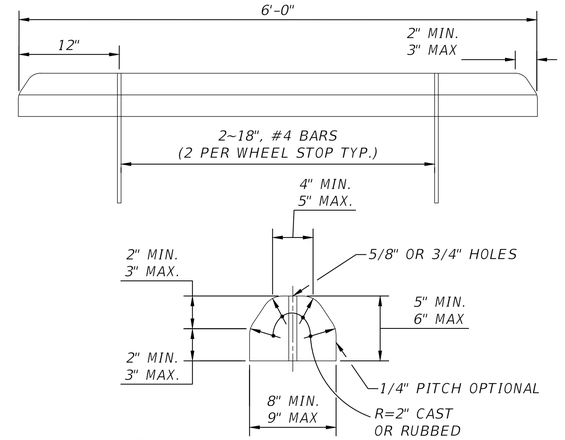


NOTES
PROVIDE 1/8"-1/4"
CONTRACTION JOINTS AT 10'
CENTERS MAXIMUM.

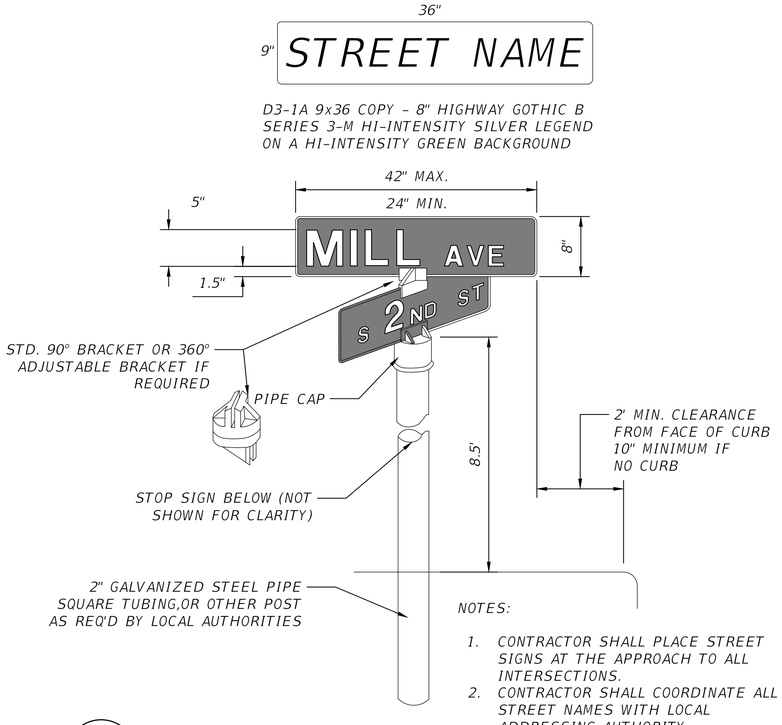
MS03 SIDEWALK DETAIL
SCALE: N.T.S



MS20 CUL-DE-SAC DETAIL
SCALE: N.T.S



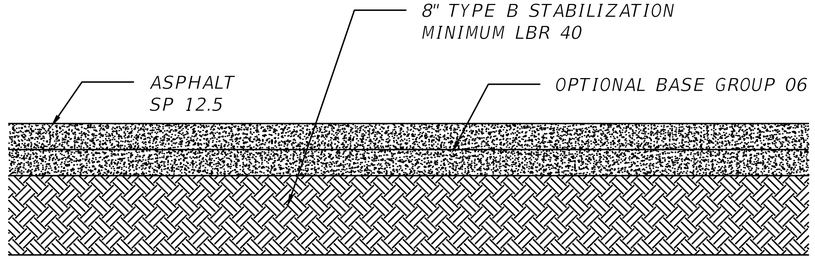
MS24 WHEEL STOP DETAIL
SCALE: N.T.S



D3-1A 9x36 COPY - 8" HIGHWAY GOTHIC B
SERIES 3-M HI-INTENSITY SILVER LEGEND
ON A HI-INTENSITY GREEN BACKGROUND

NOTES:
1. CONTRACTOR SHALL PLACE STREET SIGNS AT THE APPROACH TO ALL INTERSECTIONS.
2. CONTRACTOR SHALL COORDINATE ALL STREET NAMES WITH LOCAL ADDRESSING AUTHORITY.

MS08 STREET SIGN DETAIL
SCALE: N.T.S



MS09 ASPHALT PAVEMENT DESIGN
SCALE: N.T.S

2" SP 12.5 STRUCTURAL COURSE (2")

REVISIONS	
DATE	DESCRIPTION

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P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

MISC. DETAILS
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

SHEET NO. C-92

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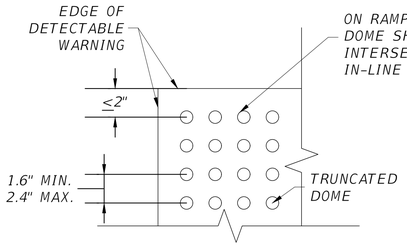
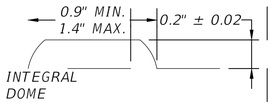


BASE-TO-BASE SPACING SHALL BE 0.65" MINIMUM BETWEEN DOMES.

PLAN VIEW

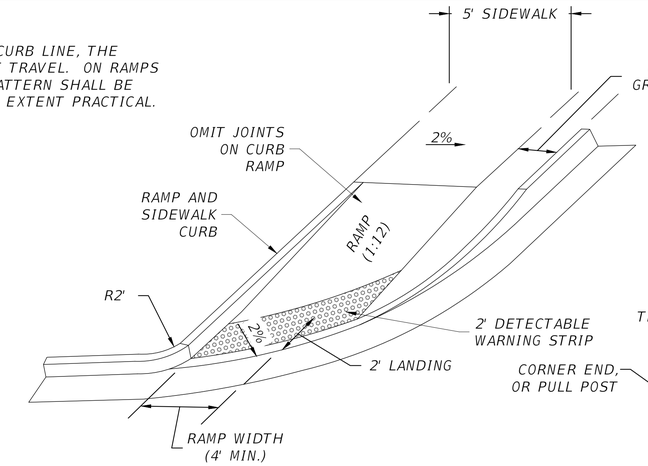
ON RAMPS THAT ARE PERPENDICULAR WITH THE CURB LINE, THE DOME SHALL BE IN-LINE WITH THE DIRECTION OF TRAVEL. ON RAMPS INTERSECTING CURBS ON A RADIUS, THE DOME PATTERN SHALL BE IN-LINE WITH THE DIRECTION OF TRAVEL TO THE EXTENT PRACTICAL.



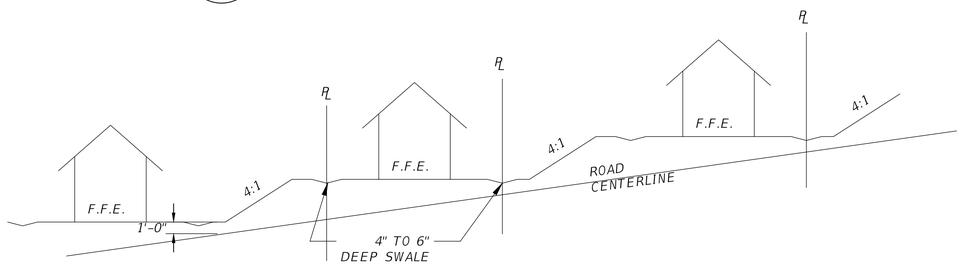
THE TOP WIDTH OF THE DOME SHALL BE A MINIMUM OF 50% AND A MAXIMUM OF 65% OF THE BASE DIAMETER

TRUNCATED DOME

ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24" (610mm) FROM THE BACK OF CURB.



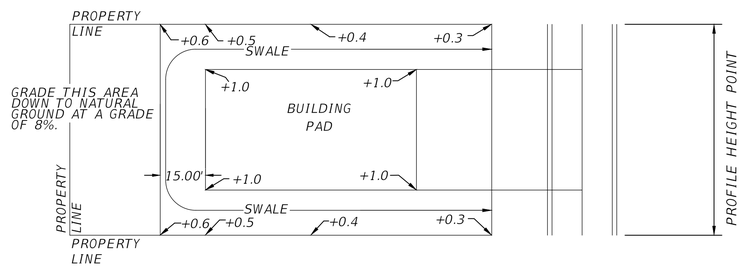
MS25 CURB RAMP DETECTABLE WARNING DETAIL
SCALE: N.T.S (2006 FDOT DESIGN STD./INDEX NO. 304)



GRADING SCHEMATIC

NO SCALE

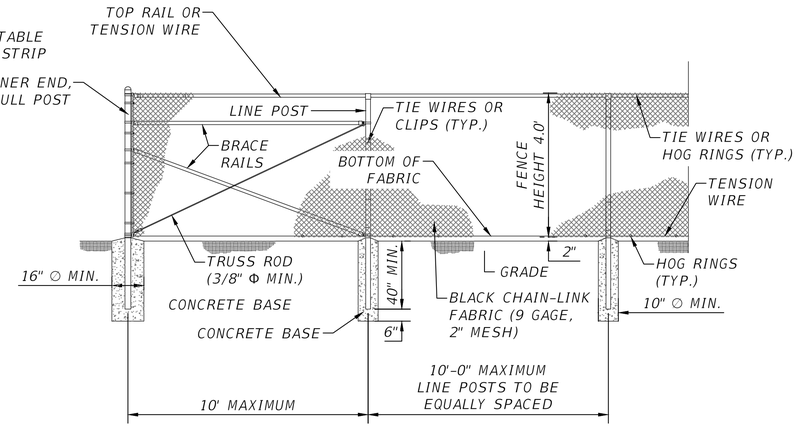
DETERMINE HIGHEST PROFILE POINT ON ROAD CENTERLINE IN FRONT OF LOT. USE THIS ELEVATION AS STARTING POINT FOR LOT GRADES. FRONT LOT CORNERS WILL BE 0.3' ABOVE THIS ELEVATION. FOR ADJOINING LOTS THE HIGHER ELEVATION WILL CONTROL. THE BUILDING PAD ELEVATION WILL BE 1.0' ABOVE THE CENTERLINE. SEE DRAWING FOR ADDITIONAL GRADE INFORMATION.



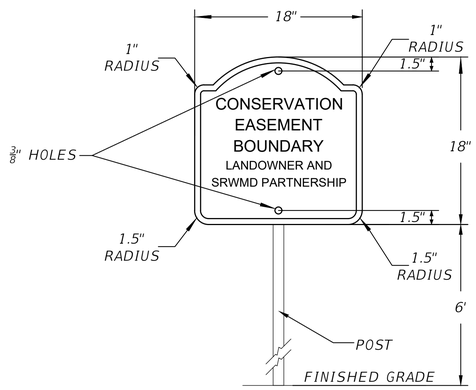
GRADING PLAN

NO SCALE

MS28 GRADING PLAN DETAIL
SCALE: N.T.S



MS10 CHAIN LINK FENCE WITHOUT BARBWIRE
SCALE: N.T.S



MS30 PRIVATE COMMUNITY SIGN DETAIL
SCALE: N.T.S

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2551 BLAIRSTONE PINES DR., TALLAHASSEE, FL 32301, WWW.NFPS.NET, CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

MISC. DETAILS
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

SHEET NO. C-93

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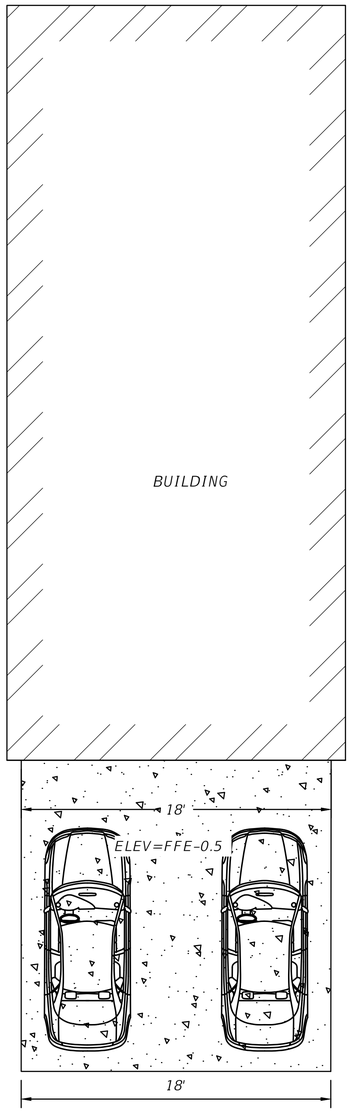
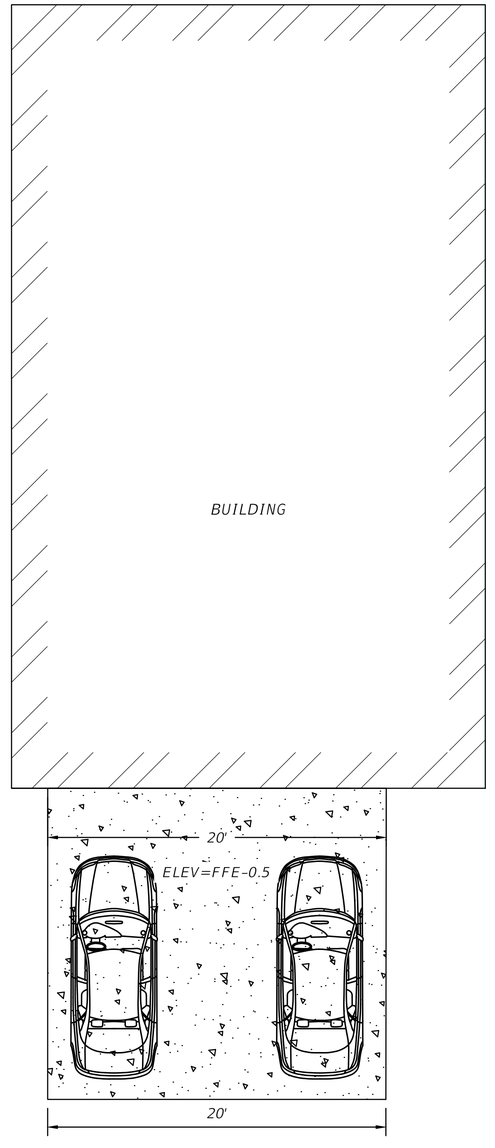


TOWNHOME FFE & DRIVEWAY DETAILS

6" CONCRETE DRIVEWAY
STABILIZED SUBGRADE (98% MAX DENSITY, 40 LBR)



40'+50' LOT FFE & DRIVEWAY DETAILS

6" CONCRETE DRIVEWAY
STABILIZED SUBGRADE (98% MAX DENSITY, 40 LBR)

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HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

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C-94

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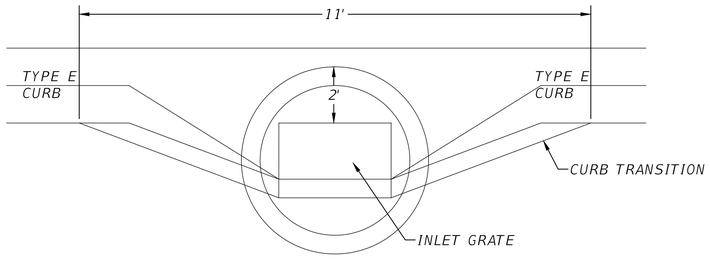
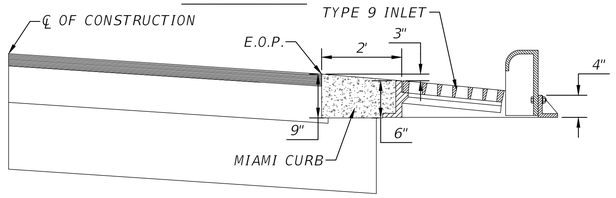


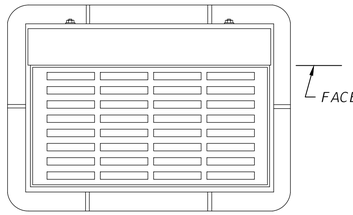
TOP VIEW



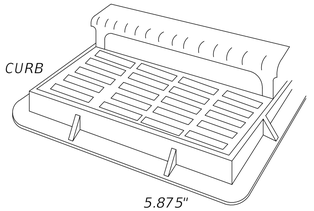
PROFILE VIEW

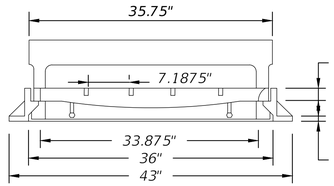
MIAMI CURB AND INLET LOCATION

ST03 TYPE 9 INLET DETAILS
SCALE: N.T.S

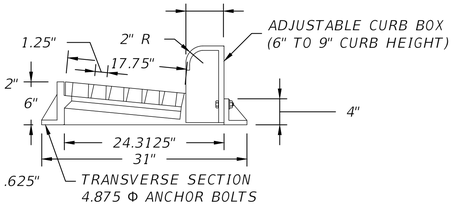


TOP VIEW





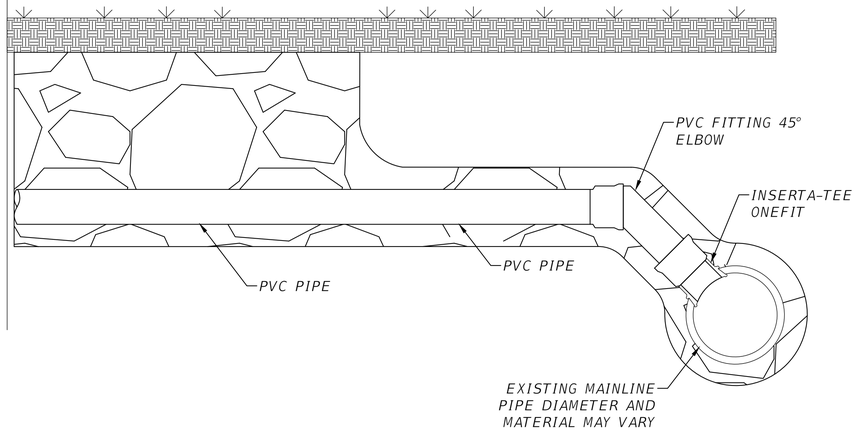
LONGITUDINAL SECTION



FRAME AND GRATE

NOTES:

1. ALL STEEL IN SLAB TOPS SHALL HAVE MINIMUM COVER UNLESS OTHERWISE SHOWN.TOPS SHALL BE EITHER CAST-IN-PLACE OR PRECAST CONCRETE.
2. FOR RECTANGULAR STRUCTURE BOTTOMS, TOP SLAB OPENINGS SHALL BE PLACED SUCH THAT 2 EDGES OF INLET FRAME WILL BE LOCATED DIRECTLY ABOVE BOTTOM WALL OR RISER WALL.
3. FRAME MAY BE ADJUSTED WITH ONE TO SIX COURSES OF BRICK.
4. INLET AND GRATE DETAIL SHOWN IS NEENAH R-3067. GRATES WITH APPROXIMATELY EQUAL OPENINGS WILL BE PERMITTED THAT SATISFY AASHTO H-20 LOADING. INLET AND GRATE SHALL BE CLASS 30 CASTINGS IN ACCORDANCE WITH ASTM A 48. GRATES SHALL BE NON-DIRECTIONAL.



ST23 INSERTA-TEE ONEFIT
SCALE: N.T.S

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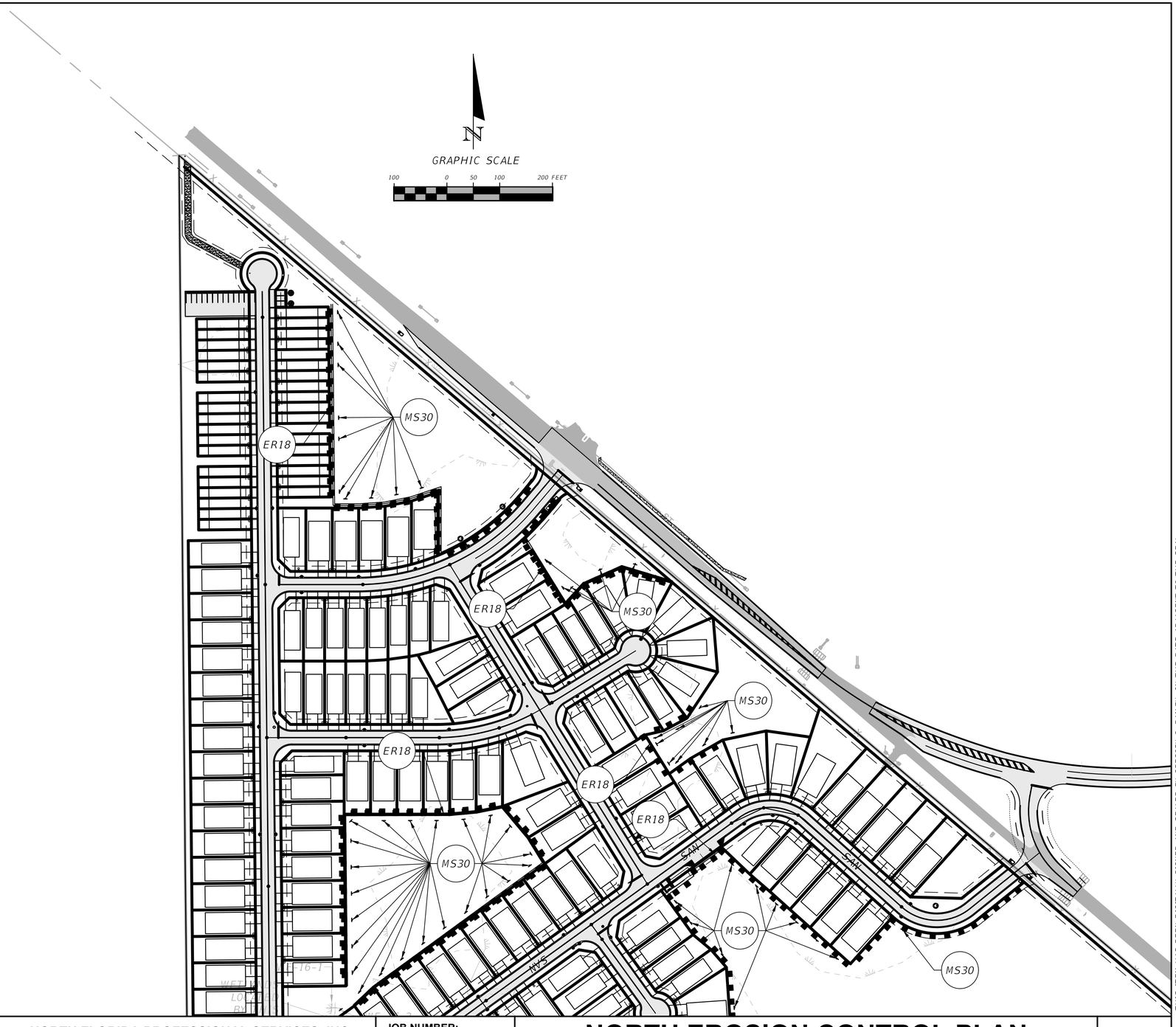
CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

STORMWATER DETAILS
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

SHEET NO. C-95



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CA# 29011

JOB NUMBER: L230419GAR
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P.E. NO.: 43858

NORTH EROSION CONTROL PLAN

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO. C-96

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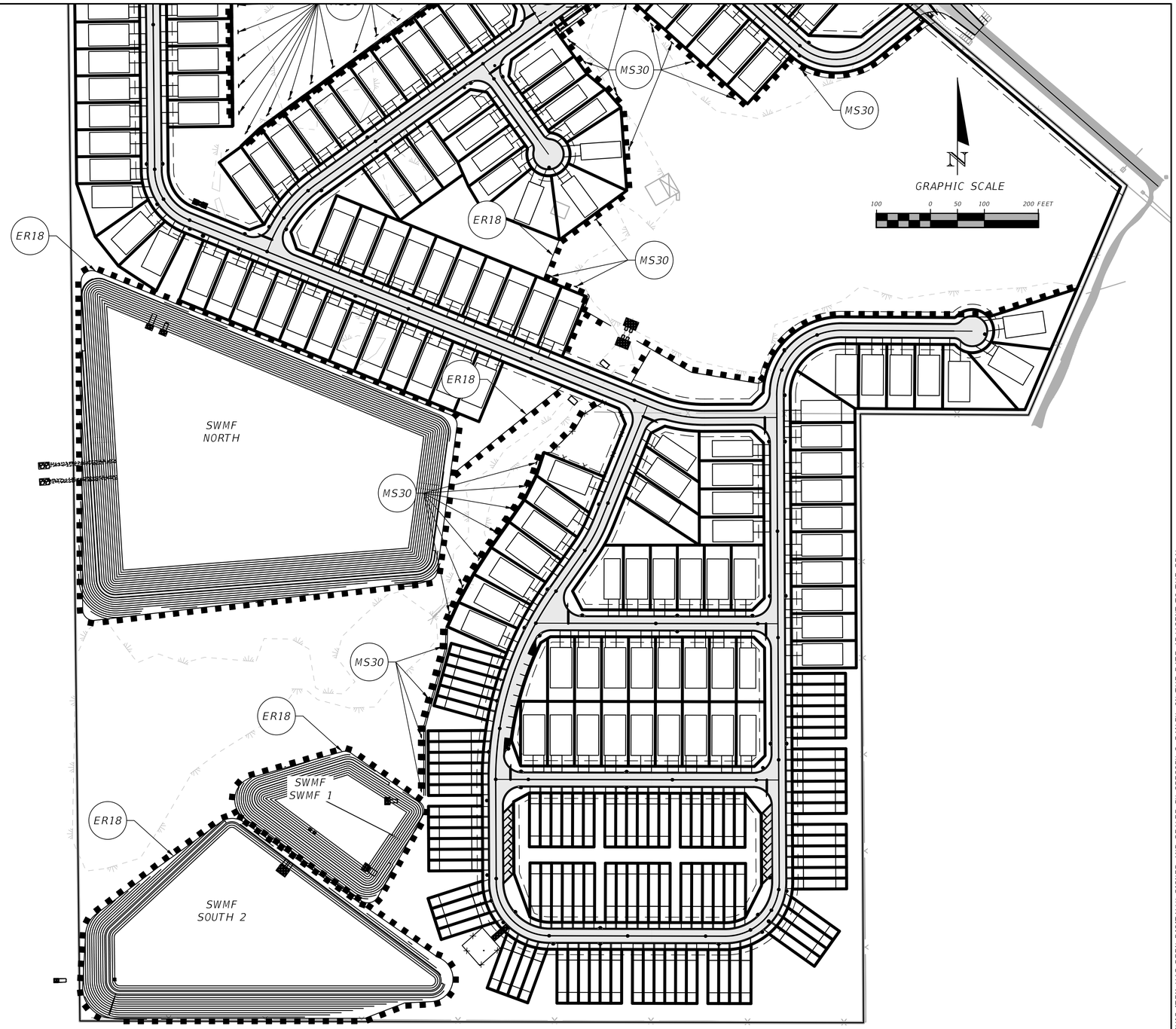

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LIC NO. LB8356

2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L230419GAR
EOR: 43858
P.E. NO.: GREGORY G. BAILEY

SOUTH EROSION CONTROL PLAN

HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FLORIDA

SHEET NO.: C-97

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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 LAKE CITY, 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 OF 0.5 INCHES OR GREATER, AND REPAIRED OR 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 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.

16. LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPS.

17. EXCESS DIRT SHALL BE REMOVED DAILY OR STOCKPILED AND REUSED ON SITE.

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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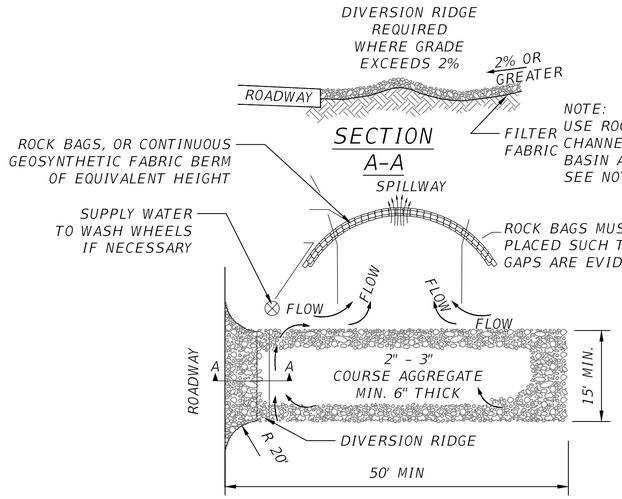
JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

EROSION NOTES
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

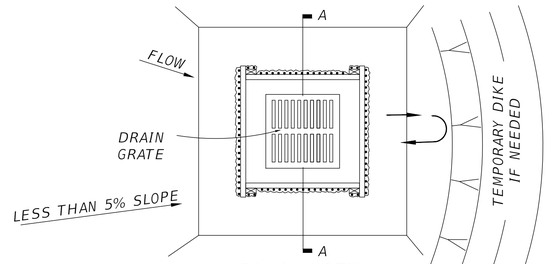
SHEET NO. C-98



NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. ROCK BAGS OR SANDBAGS SHALL BE PLACED SUCH THAT NO GAPS ARE EVIDENT.

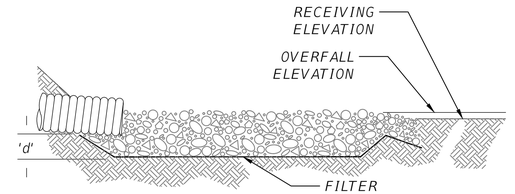
ER04 TEMPORARY CONSTRUCTION ENTRANCE
SCALE: N.T.S.



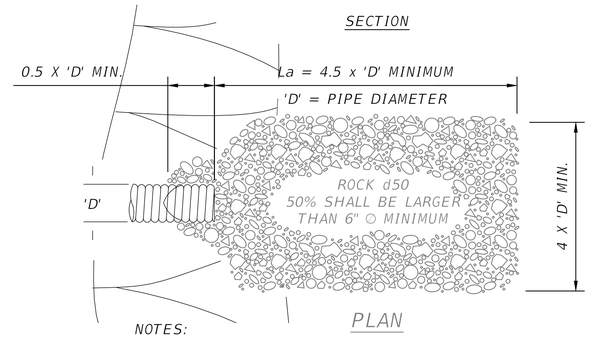
NOTES:

1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%.)
2. USE 2X4 WOOD OR EQUIVALENT METAL STAKES, 3' MINIMUM LENGTH.
3. INSTALL 2X4 WOOD TOP FRAME TO INSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT), MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY-PASSING THE INLET.A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

ER10 SILT FENCE DROP INLET BARRIER DETAIL
SCALE: N.T.S.



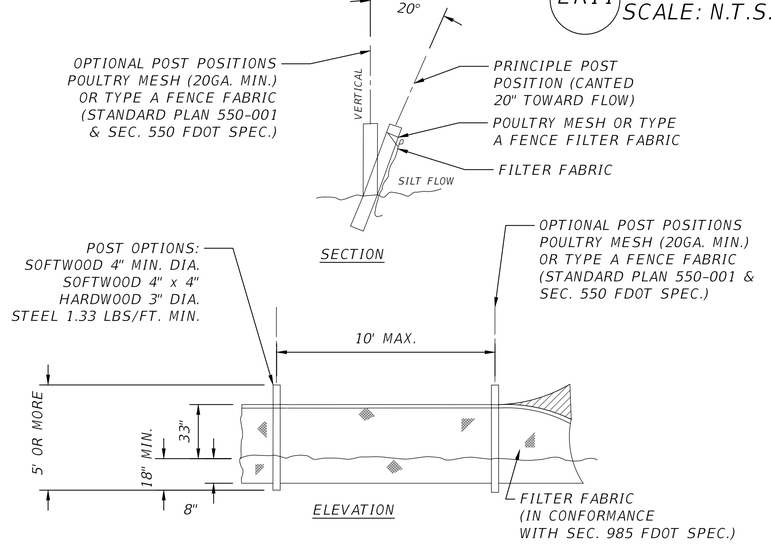
THICKNESS ('d') = 1.5 x MAXIMUM AGGREGATE DIAMETER - 6" MINIMUM



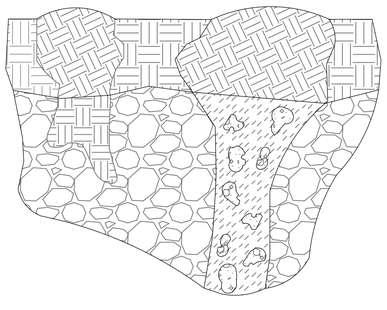
NOTES:

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

ER11 ENERGY DISSIPATOR DETAIL
SCALE: N.T.S.



ER18 TYPE IV SILT FENCE
SCALE: N.T.S.



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.

ER23 KARST FEATURE REPAIR DETAIL
SCALE: N.T.S.

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REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823, LAKE CITY, FL 32056, PH. 386-752-4675, LIC NO. LB8356
2551 BLAIRSTONE PINES DR., TALLAHASSEE, FL 32301, WWW.NFPS.NET, CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

EROSION DETAILS
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

SHEET NO. C-99

WATER AND SEWER NOTES

1. ALL UTILITY CONSTRUCTION SHALL MEET THE TOWN OF LAKE CITY WATER AND WASTEWATER UTILITY STANDARDS.

2. THE CONTRACTOR SHALL MAINTAIN EXISTING WATER MAINS IN SERVICE DURING CONSTRUCTION. IN THE EVENT INTERRUPTIONS TO SERVICE ARE REQUIRED DURING CONSTRUCTION, SUCH INSTANCES SHALL BE MINIMIZED.

3. ALL NEW OR RELOCATED WATER MAINS THAT SERVE FIRE HYDRANTS AND ALL FIRE HYDRANT LEADS SHALL BE NO SMALLER THAN SIX INCHES IN DIAMETER. AUXILIARY VALVES SHALL BE PROVIDED ON ALL HYDRANT LEADS.

4. SUFFICIENT VALVES SHALL BE PROVIDED IN NEW AND RELOCATED WATER MAINS SO THAT INCONVENIENCE AND SANITARY HAZARDS WILL BE MINIMIZED DURING REPAIRS. (VALVES SHALL BE PLACED IN NO MORE THAN 500-FOOT INTERVALS IN COMMERCIAL DISTRICTS AND AT NO MORE THAN ONE-BLOCK OR 800-FOOT INTERVALS IN OTHER DISTRICTS.)

5. IF THERE ARE ANY NEW OR RELOCATED WATER MAINS THAT CROSS UNDER ANY SURFACE WATER, A MINIMUM COVER OF TWO FEET SHALL BE PROVIDED OVER THE WATER MAIN PIPE AT EACH SURFACE WATER CROSSING, AND IF THE SURFACE WATER IS GREATER THAN 15 FEET IN WIDTH, THE FOLLOWING FEATURES SHALL BE PROVIDED: (A) FLEXIBLE WATER TIGHT JOINTS FOR THE WATER MAIN PIPE AT THE CROSSING, (B) EASILY ACCESSIBLE VALVES LOCATED IN A MANHOLE, AND (C) PERMANENT TAPS ON EACH SIDE OF THE VALVE WITHIN THE MANHOLE TO ALLOW FOR SAMPLING AND INSERTION OF A SMALL METER TO DETERMINE LEAKAGE.

6. PROPER BACKFLOW-PREVENTION ASSEMBLIES/DEVICES SHALL BE PROVIDED IN ACCORDANCE WITH RULE 62-555.360, F.A.C., AND THE AWWA'S MANUAL M14, RECOMMENDED PRACTICE FOR BACKFLOW PREVENTION AND CROSS-CONNECTION CONTROL.

7. THIS PROJECT SHALL NOT INCLUDE ANY INTERCONNECTION BETWEEN PREVIOUSLY SEPARATE PUBLIC WATER SYSTEMS THAT HAVE SEPARATE WATER SUPPLY SOURCES. (A SPECIFIC CONSTRUCTION PERMIT IS REQUIRED FOR SUCH AN INTERCONNECTION.)

8. ALL NEW RELOCATED WATER LATERALS THAT CROSS ANY SANITARY SEWERS, STORM SEWERS, FORCE MAINS, OR RECLAIMED WATER LINES SHALL CROSS ABOVE SUCH PIPELINES.

9. COPPER TRACER WIRE SHALL BE PLACED ON ALL POTABLE WATER LINES AND WATER LATERALS. TRACER WIRE SHALL BE CONTINUOUS WITH NO INTERRUPTIONS.

10. LOCATOR BALLS SHALL BE PROVIDED AT END OF ALL WATER AND SANITARY SEWER LATERALS. THE LOCATOR BALLS SHALL BE SECURED TO THE LATERALS WITH A PLASTIC TIE STRAP.

11. WATER AND SANITARY SEWER LATERALS SHALL BE LEFT UNCOVERED UNTIL INSPECTED BY THE ENGINEER OR THE ENGINEER'S INSPECTOR.

12. CONTRACTOR SHALL PROVIDE TEMPORARY STAKES (2" BY 2" WOODEN STAKES) AT THE END OF EACH LATERAL. EACH STAKE SHALL INDICATE EITHER WATER OR SANITARY SEWER LATERAL. CONTRACTOR SHALL MAINTAIN THE STAKES UNTIL AN AS-BUILT SURVEY OF WATER AND SANITARY SEWER MAINS AND LATERALS ARE COMPLETE AND APPROVED BY THE ENGINEER.

13. MEGALUG MECHANICAL JOINT RESTRAINTS OR SERIES 1390 UNI-FLANGE BLOCK BUSTER RESTRAINT DEVICES SHALL BE USED WITH MANUFACTURER'S RECOMMENDATIONS. ALL RESTRAINED JOINTING MUST BE LEFT OPEN UNTIL VIEWED BY THE CITY INSPECTOR.

14. FOR SANITARY SEWER PERFORM HYDROSTATIC TEST. ALLOWABLE LEAKAGE IS A MAXIMUM OF 50 GAL. PER INCH OF NOMINAL PIPE SIZE PER MILE OF PIPE, DURING A 24-HOUR PERIOD. OPTION: TEST DUCTILE-IRON PIPING ACCORDING TO AWWA C600, SECTION "HYDROSTATIC TESTING". USE TEST PRESSURE OF AT LEAST 10 PSI. FOR SANITARY SEWERAGE, PERFORM AIR TEST ACCORDING TO UNI-B-6.

15. FOR SANITARY SEWERAGE ALIGNMENT: EACH SECTION OF THE COMPLETED SEWER SYSTEM SHALL BE INSPECTED FOR PROPER ALIGNMENT. INSPECTION SHALL CONSIST OF "LAMPING" FROM MANHOLE TO MANHOLE. ANY SECTION OF THE SEWER SYSTEM, WHICH DOES NOT DISPLAY TRUE, CONCENTRIC ALIGNMENT, SHALL BE INSTALLED AT NO ADDITIONAL EXPENSE TO THE OWNER.

16. CLEAN AND DISINFECT WATER DISTRIBUTION PIPING SYSTEMS AND PARTS OF EXISTING SYSTEMS THAT HAVE BEEN ALTERED, EXTENDED OR REPAIRED BEFORE USE. USE PURGING AND DISINFECTING PROCEDURE PRESCRIBED BY AUTHORITIES HAVING JURISDICTION OR USE PROCEDURE PRESCRIBED BY AUTHORITIES HAVING JURISDICTION OR USE PROCEDURE DESCRIBED IN AWWA C651.

17. PVC GRAVITY FLOW SEWER PIPE AND FITTINGS 15 INCH AND SMALLER IN DIAMETER SHALL BE SDR35 PIPE WITH BELL AND SPIGOT GASKET JOINT THAT COMPLIES WITH THE REQUIREMENTS OF ASTM D3034.

18. ALL PIPE, PIPE FITTINGS, PIPE JOINT PACKING AND JOINTING MATERIALS, VALVES, FIRE HYDRANTS, AND METERS INSTALLED UNDER THIS PROJECT SHALL CONFORM TO APPLICABLE AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS.

19. ALL PUBLIC WATER SYSTEM COMPONENTS, EXCLUDING FIRE HYDRANTS, THAT WILL BE INSTALLED UNDER THIS PROJECT AND THAT WILL COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF INTERNATIONAL STANDARD 61 AS ADOPTED IN RULE 62-555.335, F.A.C., OR OTHER APPLICABLE STANDARDS, REGULATIONS, OR REQUIREMENTS REFERENCED IN PARAGRAPH 62- 555.320(3)(B), F.A.C.

20. ALL PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT SHALL CONTAIN NO MORE THAN 8.0% LEAD, AND ANY SOLDER OR FLUX USED IN THIS PROJECT WILL CONTAIN NO MORE THAN 0.2% LEAD.

21. ALL WATER PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT SHALL BE COLOR CODED OR MARKED IN ACCORDANCE WITH SUBPARAGRAPH 62-555.320(21)(B) 3, F.A.C., USING BLUE AS A PREDOMINANT COLOR. (UNDERGROUND PLASTIC PIPE SHALL BE SOLID-WALL BLUE PIPE, WILL HAVE A CO-EXTRUDED BLUE EXTERNAL SKIN, OR WILL BE WHITE OR BLACK PIPE WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL; AND UNDERGROUND METAL OR CONCRETE PIPE SHALL HAVE BLUE STRIPES APPLIED TO THE PIPE WALL. PIPE STRIPED DURING MANUFACTURING OF THE PIPE SHALL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE, THAT ARE LOCATED AT NO GREATER THAN 90-DEGREE INTERVALS AROUND THE PIPE, AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIPE PIPE DURING INSTALLATION OF PIPE, THE TAPE OR PAINT SHALL BE APPLIED IN A CONTINUOUS LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND THAT IS LOCATED ALONG THE TOP OF THE PIPE; FOR PIPE WITH AN INTERNAL DIAMETER OF 24 INCHES OR GREATER, TAPE OR PAINT WILL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE. ABOVEGROUND PIPE SHALL BE PAINTED BLUE OR WILL BE COLOR-CODED OR MARKED LIKE UNDERGROUND PIPE.

22. ALL FIRE HYDRANTS THAT WILL BE INSTALLED UNDER THIS PROJECT AND THAT WILL HAVE UNPLUGGED, UNDERGROUND DRAINS SHALL BE LOCATED AT LEAST THREE FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., OR VACUUM-TYPE SANITARY SEWER; CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., OR VACUUM-TYPE SANITARY SEWER; OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-10, F.A.C.; AND AT LEAST TEN FEET FROM ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM."

23. NEW OR ALTERED CHAMBERS, PITS, OR MANHOLES THAT CONTAIN VALVES, BLOW-OFFS, METERS, OR OTHER SUCH WATER DISTRIBUTION SYSTEM APPURTENANCES AND THAT ARE INCLUDED IN THIS PROJECT WILL NOT BE CONNECTED DIRECTLY TO ANY SANITARY OR STORM SEWER, AND BLOW-OFFS OR AIR RELIEF VALVES INSTALLED UNDER THIS PROJECT SHALL NOT BE CONNECTED DIRECTLY TO ANY SANITARY OR STORM SEWER.

24. NEW OR ALTERED WATER MAINS INCLUDED IN THIS PROJECT SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE AWWA STANDARDS OR IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDED PROCEDURES.

25. A CONTINUOUS AND UNIFORM BEDDING SHALL BE PROVIDED IN TRENCHES FOR UNDERGROUND PIPE INSTALLED UNDER THIS PROJECT; BACKFILL MATERIAL WILL BE TAMPED IN LAYERS AROUND UNDERGROUND PIPE INSTALLED UNDER THIS PROJECT AND TO A SUFFICIENT HEIGHT ABOVE THE PIPE TO ADEQUATELY SUPPORT AND PROTECT THE PIPE; AND UNSUITABLY SIZED STONES (AS DESCRIBED IN APPLICABLE AWWA STANDARDS OR MANUFACTURERS' RECOMMENDED INSTALLATION PROCEDURES) FOUND IN TRENCHES WILL BE REMOVED FOR A DEPTH OF AT LEAST SIX INCHES BELOW THE BOTTOM OF UNDERGROUND PIPE INSTALLED UNDER THIS PROJECT.

26. ALL WATER MAIN TEES, BENDS, PLUGS, AND HYDRANTS INSTALLED UNDER THIS PROJECT SHALL BE PROVIDED WITH RESTRAINED JOINTS TO PREVENT MOVEMENT.

27. NEW OR ALTERED WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL BE CONSTRUCTED OF ASBESTOS-CEMENT OR POLYVINYL CHLORIDE PIPE SHALL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C603 OR C605, RESPECTIVELY, AS INCORPORATED INTO RULE 62-555.330, F.A.C., AND ALL OTHER NEW OR ALTERED WATER MAINS INCLUDED IN THIS PROJECT SHALL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C600 AS INCORPORATED INTO RULE 62-555.330.

28. NEW OR ALTERED WATER MAINS, INCLUDING FIRE HYDRANT LEADS AND INCLUDING SERVICE LINES THAT WILL BE UNDER THE CONTROL OF A PUBLIC WATER SYSTEM AND THAT HAVE AN INSIDE DIAMETER OF THREE INCHES OR GREATER, SHALL BE DISINFECTED AND BACTERIOLOGICALLY EVALUATED IN ACCORDANCE WITH RULE 62-555.340, F.A.C.

29. NEW OR ALTERED WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL BE INSTALLED IN AREAS WHERE THERE ARE KNOWN AGGRESSIVE SOIL CONDITIONS SHALL BE PROTECTED THROUGH USE OF CORROSION-RESISTANT WATER MAIN MATERIALS, THROUGH ENCASEMENT OF THE WATER MAINS IN POLYETHYLENE, OR THROUGH PROVISION OF CATHODIC PROTECTION.

30. NEW OR RELOCATED, UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER, STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

31. NEW OR RELOCATED, UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT SHALL HAVE A HORIZONTAL DISTANCE OF AT LEAST SIX AND TEN FEET IS PREFERED BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-TYPE SANITARY SEWER, EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

32. THE HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS MAY BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST TWELVE INCHES ABOVE THE TOP OF THE SEWER

33. A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM."

34. NEW OR RELOCATED, UNDERGROUND WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE THE OTHER PIPELINE. NEW OR RELOCATED, UNDERGROUND WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE THE OTHER PIPELINE.

35. AT THE UTILITY CROSSINGS DESCRIBED ABOVE, SEPARATION DISTANCE SHALL NOT APPLY WHERE A WATER SERVICE PIPE CROSSES A SEWER PIPE, PROVIDED THE WATER SERVICE PIPE IS SLEEVED TO AT LEAST FIVE FEET HORIZONTALLY FROM THE SEWER PIPE CENTERLINE ON BOTH SIDES OF SUCH CROSSINGS WITH PIPE MATERIAL LISTED IN FLORIDA BUILDING CODE SECTION 603.2.

36. NEW OR ALTERED WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS ABOVE SURFACE WATER SHALL BE ADEQUATELY SUPPORTED AND ANCHORED, PROTECTED FROM DAMAGE AND FREEZING, AND ACCESSIBLE FOR REPAIR OR REPLACEMENT.

37. NEW OR ALTERED WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS UNDER SURFACE WATER COURSES GREATER THAN 15 FEET IN WIDTH SHALL HAVE FLEXIBLE OR RESTRAINED, WATERTIGHT PIPE JOINTS AND WILL INCLUDE VALVES AT BOTH ENDS OF THE WATER CROSSING SO THE UNDERWATER MAIN CAN BE ISOLATED FOR TESTING AND REPAIR; THE AFOREMENTIONED ISOLATION VALVES WILL BE EASILY ACCESSIBLE AND WILL NOT BE SUBJECT TO FLOODING; THE ISOLATION VALVE CLOSEST TO THE WATER SUPPLY SOURCE WILL BE IN A MANHOLE; AND PERMANENT TAPS WILL BE PROVIDED ON EACH SIDE OF THE ISOLATION VALVE WITHIN THE MANHOLE TO ALLOW FOR INSERTION OF A SMALL METER TO DETERMINE LEAKAGE FROM THE UNDERWATER MAIN AND TO ALLOW FOR SAMPLING OF WATER FROM THE UNDERWATER MAIN.

38. CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY MEETING THE REQUIREMENTS OF CHAPTER 61G17 F.A.C. FOR THE POTABLE WATER MAIN EXTENSION AND THE SANITARY SEWER MAIN EXTENSIONS. 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 ENGINEER.

39. CONTRACTOR SHALL PROVIDE POTABLE WATER TEST REPORTS IN ACCORDANCE WITH FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION REQUIREMENTS AFTER DISINFECTION OF THE SYSTEM.

40. WHEN TAPPING A CITY WATER MAIN A CITY INSPECTOR MUST BE ON SITE TO WITNESS TAP. MINIMUM 24 HR NOTICE TO CITY IS REQUIRED. CONTACT KEVIN @ 386-466-4137 TO SCHEDULE.

41. PER CITY OF LAKE CITY ALL METERS OVER 3" SHALL BE CONSTRUCTED INSIDE OF A VAULT WITH METAL LID.

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JOB NUMBER: L230419GAR
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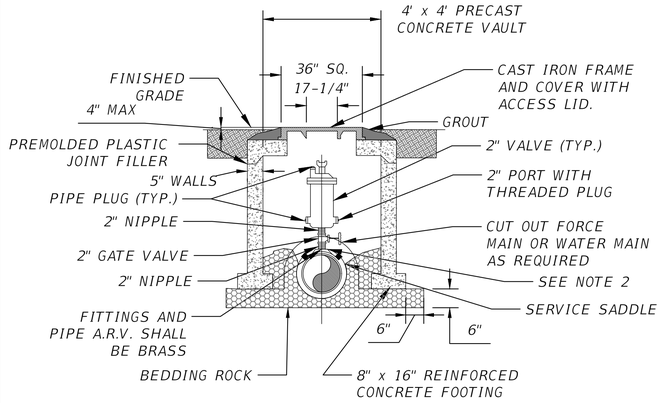
P.E. NO.: 43858

WATER & SEWER NOTES
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

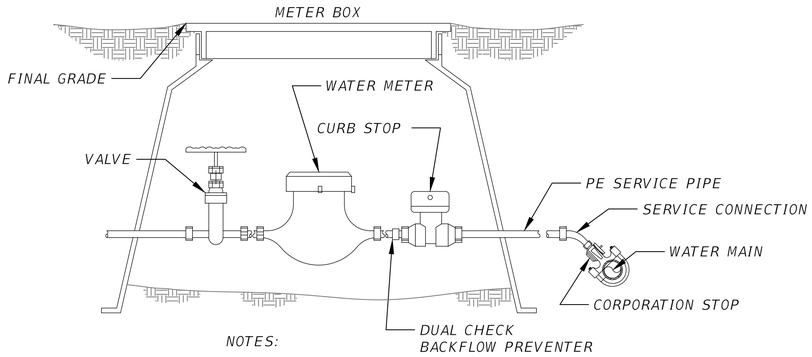
SHEET NO. C-100



NOTES:

1. ABOVE DETAIL IS BASED ON 2" COMBINATION AIR/VACUUM RELEASE VALVE. CHANGE PIPE AND FITTINGS ACCORDINGLY FOR OTHER VALVE SIZES AND TYPES.
2. THE MINIMUM DIMENSION FROM TOP OF PIPE TO FINISHED GRADE SHALL BE 3.0 FEET.

WT01 AIR AND/OR VACUUM RELEASE VALVE
SCALE: N.T.S

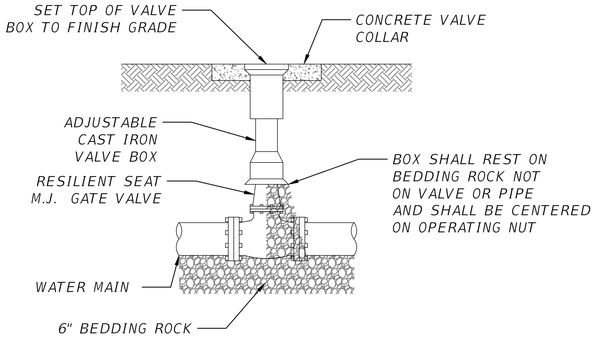


NOTES:

1. P.E. TUBING IS TO BE BACKFILLED BY HAND UP TO THE TOP OF THE SERVICE.
2. ¾" METER ASSEMBLY FOR SINGLE FAMILY HOMES TO BE FURNISHED AND INSTALLED BY CITY.
3. 1" MASTER METER ASSEMBLY FOR TOWN HOMES TO BE FURNISHED AND INSTALLED BY CITY.

WT02 METER BOX ASSEMBLY
SCALE: N.T.S

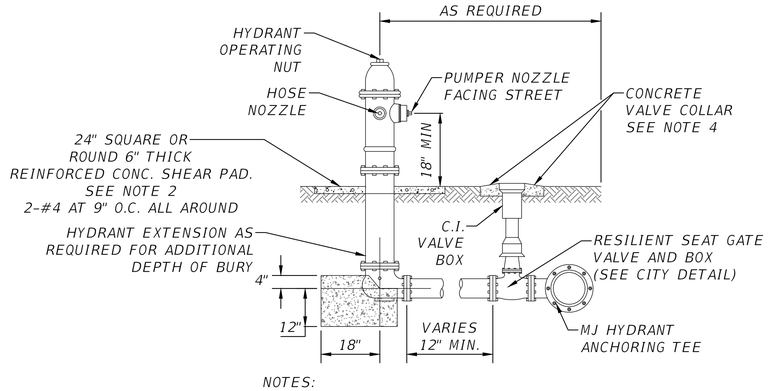
CONTRACTOR SHALL REFERENCE "CITY OF LAKE CITY UTILITY STANDARDS 2010-REVISED 2020" FOR ALL UTILITY DETAILS.



NOTES:

1. PVC EXTENSIONS SHALL NOT BE USED ON VALVE BOX INSTALLATION.
2. THE ACTUATING NUT FOR DEEPER VALVES SHALL BE EXTENDED TO COME UP TO 4 FOOT DEPTH BELOW FINISHED GRADE.
3. VALVE COLLAR SHALL BE 18"X18"X6" CONCRETE COLLAR W/4-#4 BARS.

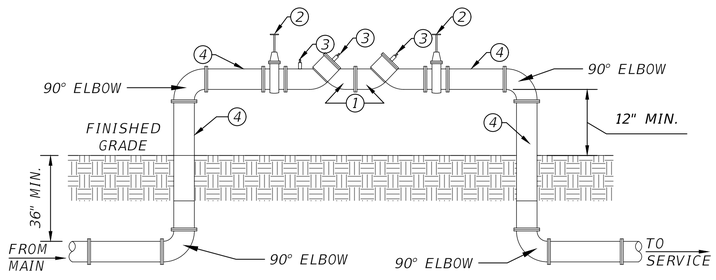
WT03 VALVE AND BOX DETAIL
SCALE: N.T.S



NOTES:

1. FIRE HYDRANT SHALL BE SUPPLIED WITHOUT A WEEP HOLE OR WITH A PERMANENTLY PLUGGED WEEP HOLE.
2. THE DEVELOPER MAY INSTALL THE SHEAR PAD RECESSED UP TO 4" BELOW FINISHED GRADE AND SOD THE RECESSED SECTION.
3. CLEARANCE BETWEEN BOTTOM OF BOLTS AND TOP OF SHEAR PAD SHALL BE 6" MIN.
4. VALVE COLLAR SHALL BE 18"X18"X6" COLLAR W/4-#4 BARS.

WT04 FIRE HYDRANT ASSEMBLY
SCALE: N.T.S



MATERIALS	
ITEM	DESCRIPTION
1	BACKFLOW PREVENTER
2	GATE VALVE
3	TEST COCKS
4	DUCTILE IRON PIPE - FLANGED END x FLANGED END

NOTES:

1. UNDER NO CONDITION WILL ANY CONNECTION BE ALLOWED BETWEEN THE SERVICE METER AND A BACKFLOW PREVENTER USED FOR SYSTEM CONTAINMENT. BACKFLOW PREVENTER SHALL ALWAYS BE INSTALLED DOWNSTREAM OF METER.
2. UNDER NO CIRCUMSTANCES, SHALL TEST PORTS BE MODIFIED OR UTILIZED FOR THIS OR OTHER APPLICATION OTHER THAN BACKFLOW DEVICE TESTING.
3. PROVIDE AND INSTALL COVER OVER BACKFLOW PREVENTER AS REQ'D BY LOCAL AUTHORITIES.

WT06 DOUBLE CHECK BACKFLOW PREVENTER
SCALE: N.T.S

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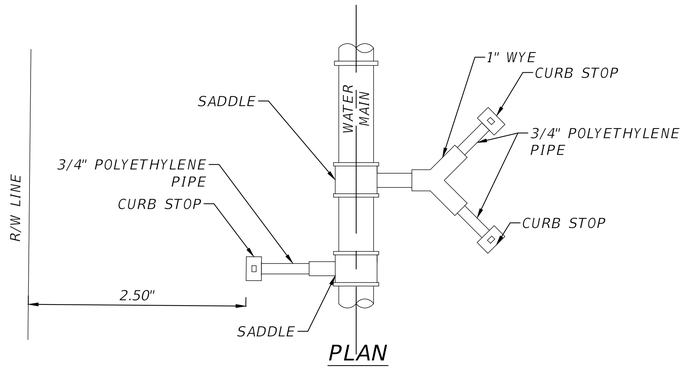
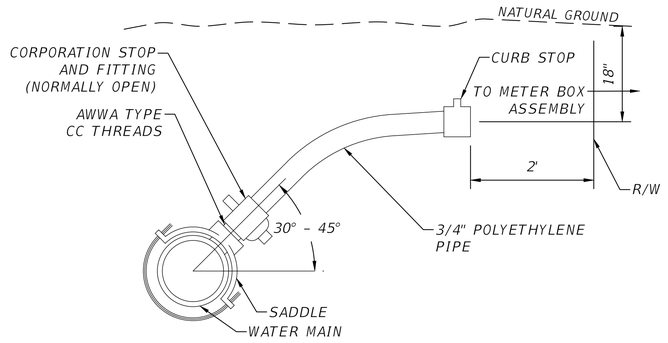
WATER DETAILS
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

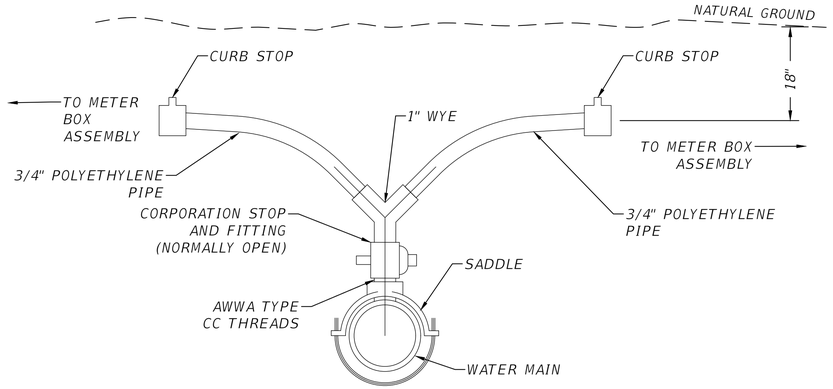
SHEET NO. C-101



PLAN



SINGLE SERVICE PROFILE



DOUBLE SERVICE PROFILE

NOTES:

1. ALL FITTINGS SHALL BE BRASS WITH COMPRESSION/ PACK JOINT TYPE CONNECTIONS.
2. NO SERVICE LINE SHALL TERMINATE UNDER A DRIVEWAY.

WT07 WATER SERVICE CONNECTION DETAILS
SCALE: N.T.S

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WATER DETAILS
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

SHEET NO. C-102

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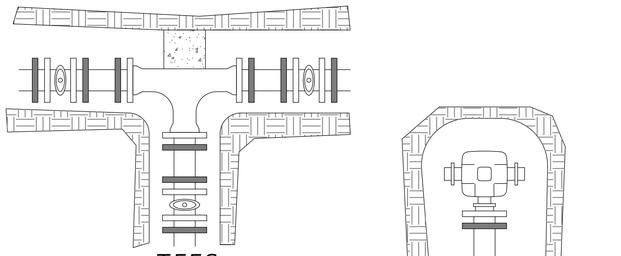
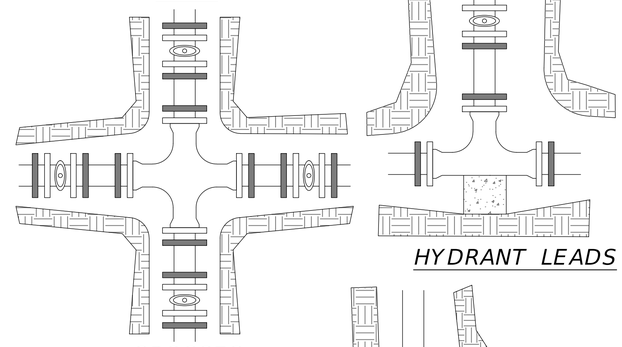
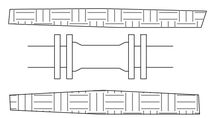


TEES

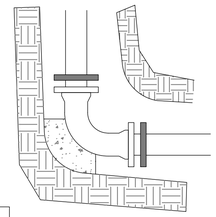


CROSSES

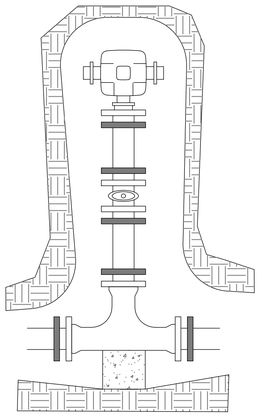


SLEEVES

DENOTES MEGALUGS



BENDS



HYDRANT LEADS

PIPE RESTRAINT NOTES:

1. DUCTILE IRON FITTINGS TO BE RESTRAINED TO PVC (C900) PIPE WITH SERIES 2000 PVC MECHANICAL RESTRAINT GLANDS AS MANUFACTURED BY EBAA IRON, INC. OR EQUAL.
2. PVC (C900) PIPE TO BE RESTRAINED EACH SIDE OF FITTINGS FOR LENGTHS AS NOTED IN TABLE BELOW. RESTRAINT WILL BE ACCOMPLISHED WITH DUCTILE IRON RESTRAINT HARNESS CONFORMING TO ASTM A-536.RESTRAINT HARNESS TO BE SERIES 1600 AS MANUFACTURED BY EBAA IRON, INC. OR EQUAL.
3. THE TABLE BELOW SHOWS TYPICAL NUMBERS OF 20' LENGTH SECTIONS OF PIPE TO BE MECHANICALLY RESTRAINED FOR THE FOLLOWING ASSUMPTIONS (1) DEPTH OF COVER = 36", (2) TEST PRESSURE = 150 PSI, (3) SAFETY FACTOR = 1.5, (4) LAYING CONDITIONS = PIPE EMBEDDED IN LOOSE CLEAN SAND AND COMPACTED TO TOP OF PIPE (APPROCIMATELY 90% STANDARD PROCTOR).
4. MEGALUGS TO BE USED ARE MECHANICAL JOINTS.
5. PLACE CONCRETE BLOCK UNDER ALL GATE VALVES AND HYDRANTS.
6. PLACE RESTRAINTS AT ALL TEES, BENDS, AND AT HYDRANTS.
7. ALL BOLTS INCLUDING T-BOLTS SHALL BE STAINLESS STEEL.
8. PER CITY OF LAKE CITY UTILITIES AL 90'S AND DEAD ENDS SHALL HAVE 5 RESTRAINTS. ALL VALVES, TEES, & 4 WAYS SHALL HAVE 3 RESTRAINTS, ALL OTHER FITTINGS SHALL HAVE 2 RESTRAINTS. THIS INCLUDES STRAIGHT RUNS OF PIPES.
9. IF THE APPLICABLE SCHEDULE EXCEEDS THE REQUIREMENTS OF NOTE 8, THE SCHEDULE SHALL BE FOLLOWED.

NOMINAL PIPE SIZE (IN.)	HORIZONTAL BENDS				VERTICAL OFFSETS		VALVES OR DEAD ENDS
	90° BENDS L (FT.)	45° BENDS L (FT.)	22.5° BENDS L (FT.)	11.25° BENDS L (FT.)	45° BENDS (SEE NOTE 4) Lu (FT.)	45° BENDS (SEE NOTE 4) Li (FT.)	L (FT.)
4	20	8	4	2	20	3	50
6	28	10	5	2	28	4	70
8	36	14	6	3	36	5	90
10	40	18	8	4	45	6	110
12	50	20	9	4	52	8	120
14	56	23	10	5	60	9	140
16	60	26	11	6	67	10	160
18	69	29	12	6	74	12	180
20	75	32	13	7	80	13	195
24	76	33	15	7	81	14	200
30	88	36	18	9	97	16	235
36	100	40	20	10	110	20	270
42	115	48	23	11	125	24	300
48	125	52	25	12	140	30	340

WT09 MEGALUG DETAILS
SCALE: N.T.S

LENGTH (L) TO BE RESTRAINED							
NOMINAL PIPE SIZE (IN.)	HORIZONTAL BENDS				VERTICAL OFFSETS		VALVES OR DEAD ENDS
	90° BENDS L (FT.)	45° BENDS L (FT.)	22.5° BENDS L (FT.)	11.25° BENDS L (FT.)	45° BENDS (SEE NOTE 4) Lu (FT.)	45° BENDS (SEE NOTE 4) Li (FT.)	L (FT.)
4	21	9	5	3	17	3	47
6	30	13	6	3	23	4	66
8	38	16	8	4	30	5	86
10	45	19	9	5	36	6	103
12	53	22	11	6	43	8	121
14	61	26	13	6	50	9	140
16	66	28	14	7	55	10	154
18	73	30	15	8	60	11	170
20	79	33	16	8	66	12	185
24	79	33	16	8	77	15	186
30	93	39	19	10	97	17	222
36	106	39	21	11	107	20	257
42	117	49	24	12	120	24	289
48	144	53	26	13	133	26	321

PVC PIPE RESTRAINT NOTES:

1. THIS SCHEDULE SHALL BE UTILIZED ON ALL WATER, SEWER FORCE MAIN OR RECLAIMED WATER SYSTEMS. ALL FITTINGS SHALL BE RESTRAINED TO LENGTHS INDICATED ON THE ABOVE SCHEDULE, AT A MINIMUM.
2. ASSUMPTIONS: PVC PIPE, SAFETY FACTOR=1.5, TEST PRESSURE=150PSI, SOIL=GM OR SM, TRENCH TYPE 3, DEPTH OF COVER=30 INCHES FOR 20" AND SMALLER PIPE SIZE OR 36" FOR 24" AND LARGER PIPE SIZE.
3. BENDS AND VALVES: SHALL BE RESTRAINED ON EACH SIDE OF FITTING.
4. VERTICAL OFFSETS: ARE APPROX. 3 FEET COVER ON TOP AND APPROX. 8 FEET COVER ON BOTTOM. PER THE DETAILS, Lu IS THE RESTRAINED LENGTH FOR THE UPPER (TOP) LEVEL. Li IS THE RESTRAINED LENGTH FOR THE LOWER (DEEPER) LEVEL. ASSUME 45 DEGREE BENDS.
5. TEES: TOTAL LENGTH BETWEEN FIRST JOINTS OR RESTRAINED LENGTH ON EITHER SIDE OF TEE (RUN) SHALL BE A TOTAL DISTANCE OF 30 FEET (MIN). SEE SCHEDULE ABOVE FOR RESTRAINT LENGTH ON TEE "BRANCH" LINE.
6. HDPE TO PVC TRANSITIONS: THE PVC PIPE SIDE SHALL BE RESTRAINED 35 FT (MIN).
7. THE INSTALLATION OF BELL HARNESS RESTRAINTS AT PVC JOINTS (DR-18 & 25 PIPE) SHALL BE COMPLETED PER THE MANUFACTURERS RECOMMENDATION, WHICH INCLUDES NOT OVER TIGHTENING THE PARALLEL RODS/NUTS. THESE NUTS SHOULD ONLY BE SNUG TIGHT. THE HOME MARKS ON THE PIPE SHOULD ALWAYS BE VISIBLE AFTER THE RESTRAINT IS INSTALLED. OVERHOMING THE JOINT MAY CAUSE A FAILURE AT THE BELL RESULTING IN A SERVICE OUTAGE.
8. PER CITY OF LAKE CITY UTILITIES AL 90'S AND DEAD ENDS SHALL HAVE 5 RESTRAINTS. ALL VALVES, TEES, & 4 WAYS SHALL HAVE 3 RESTRAINTS, ALL OTHER FITTINGS SHALL HAVE 2 RESTRAINTS. THIS INCLUDES STRAIGHT RUNS OF PIPES.
9. IF THE APPLICABLE SCHEDULE EXCEEDS THE REQUIREMENTS OF NOTE 8, THE SCHEDULE SHALL BE FOLLOWED.

REDUCERS	
SIZE (IN.)	L (FT.)
6X4	35
8X6	35
8X4	65
10X8	35
10X6	65
12X10	35
12X8	65
16X12	65
16X10	95
20X18	35
20X16	65
20X12	120
24X20	65
24X18	95
24X16	120
30X24	80
30X20	150
36X30	80
36X24	150
42X36	80
42X30	150
48X42	80
48X36	150

TEES (SEE NOTE 5)		
RUN SIZE (IN.)	BRANCH SIZE (IN.)	L (FT.)
4	4	F.O.
6	6	10
	4 OR LESS	F.O.
8	8	29
	6 OR LESS	F.O.
10	10	45
	8	13
	6 OR LESS	F.O.
12	12	62
	10	32
	8 OR LESS	F.O.
16	16	94
	12	39
	10	F.O.
	8 OR LESS	
20	20	125
	16	76
	12	14
	10 OR LESS	F.O.
24	24	124
	20	84
	16	36
	12 OR LESS	F.O.
30	30	159
	24	104
	20	60
	16	5
	12 OR LESS	F.O.
36	36	192
	30	142
	24	83
	20	33
	16 OR LESS	F.O.
42	42	223
	36	178
	30	124
	24	59
	20	5
	16 OR LESS	F.O.
48	48	253
	42	209
	36	162
	30	104
	24	34
	20 OR LESS	F.O.

F.O. = FITTING ONLY

WT19 PVC PIPE RESTRAINT JOINT SCHEDULE SCALE: N.T.S

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P.O. BOX 3823, LAKE CITY, FL 32056, PH. 386-752-4675, LIC NO. LB8356
2551 BLAIRSTONE PINES DR., TALLAHASSEE, FL 32301, WWW.NFPS.NET, CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

WATER DETAILS
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

SHEET NO. C-103

CONTRACTOR SHALL REFERENCE "CITY OF LAKE CITY UTILITY STANDARDS 2010-REVISED 2020" FOR ALL UTILITY DETAILS.

LENGTH (L) TO BE RESTRAINED

NOMINAL PIPE SIZE (IN.)	HORIZONTAL BENDS				VERTICAL OFFSETS		VALVES OR DEAD ENDS
					45° BENDS (SEE NOTE 4)		
	90° BENDS L (FT.)	45° BENDS L (FT.)	22.5° BENDS L (FT.)	11.25° BENDS L (FT.)	Lu (FT.)	Li (FT.)	L (FT.)
4	17	7	4	2	11	3	30
6	24	15	5	3	15	4	42
8	31	13	6	3	20	5	55
10	36	15	8	4	23	6	65
12	42	18	9	5	27	7	77
14	48	20	10	5	31	7	87
16	53	22	11	6	35	8	97
18	58	24	12	6	39	9	107
20	63	27	13	6	42	10	118
24	63	27	13	7	49	12	118
30	75	31	15	8	59	14	141
36	86	36	17	9	68	17	163
42	95	40	19	10	76	19	183
48	117	43	21	11	84	21	203

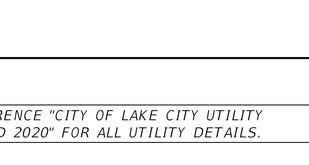
DUCTILE IRON PIPE RESTRAINT NOTES:

1. THIS SCHEDULE SHALL BE UTILIZED ON ALL WATER, SEWER FORCE MAIN OR RECLAIMED WATER SYSTEMS. ALL FITTINGS SHALL BE RESTRAINED TO LENGTHS INDICATED ON THE ABOVE SCHEDULE, AT A MINIMUM.
2. ASSUMPTIONS: DUCTILE IRON PIPE (WITHOUT POLY WRAP), SAFETY FACTOR=1.5, TEST PRESSURE=150PSI, SOIL=GM OR SM, TRENCH TYPE 3, DEPTH OF COVER=30" FOR 20" AND SMALLER PIPE SIZE OR 36 INCHES FOR 24" AND LARGER PIPE SIZE. FOR D.I.P. W/POLY WRAP, USE RESTRAINT JOINT SCHEDULE FOR PVC PIPE.
3. BENDS AND VALVES: SHALL BE RESTRAINED ON EACH SIDE OF FITTING.
4. VERTICAL OFFSETS: ARE APPROX. 3 FEET COVER ON TOP AND APPROX. 8 FEET COVER ON BOTTOM. PER THE DETAILS, Lu IS THE RESTRAINED LENGTH FOR THE UPPER (TOP) LEVEL. Li IS THE RESTRAINED LENGTH FOR THE LOWER (DEEPER) LEVEL. ASSUME 45 DEGREE BENDS.
5. TEES: TOTAL LENGTH BETWEEN FIRST JOINTS OR RESTRAINED LENGTH ON EITHER SIDE OF TEE (RUN) SHALL BE A TOTAL DISTANCE OF 30 FEET (MIN). SEE SCHEDULE ABOVE FOR RESTRAINT LENGTH ON TEE "BRANCH" LINE.
6. HDPE TO D.I.P. TRANSITIONS: THE D.I.P. PIPE SIDE SHALL BE RESTRAINED 35 FT (MIN.).
8. PER CITY OF LAKE CITY UTILITIES AL 90'S AND DEAD ENDS SHALL HAVE 5 RESTRAINTS. ALL VALVES, TEES, & 4 WAYS SHALL HAVE 3 RESTRAINTS, ALL OTHER FITTINGS SHALL HAVE 2 RESTRAINTS. THIS INCLUDES STRAIGHT RUNS OF PIPES.
9. IF THE APPLICABLE SCHEDULE EXCEEDS THE REQUIREMENTS OF NOTE 8, THE SCHEDULE SHALL BE FOLLOWED.

REDUCERS	
SIZE (IN.)	L (FT.)
6X4	22
8X6	23
8X4	39
10X8	22
10X6	40
12X10	23
12X8	41
16X12	42
16X10	58
20X18	22
20X16	42
20X12	74
24X20	36
24X18	51
24X16	64
30X24	50
30X20	77
36X30	50
36X24	89
42X36	48
42X30	89
48X42	48
48X36	88

TEES (SEE NOTE 5)		
RUN SIZE (IN.)	BRANCH SIZE (IN.)	L (FT.)
4	4	F.O.
6	6	6
	4 OR LESS	F.O.
8	8	19
	6 OR LESS	F.O.
10	10	29
	8	9
	6 OR LESS	F.O.
12	12	40
	10	21
	8 OR LESS	F.O.
16	16	60
	12	25
	10	3
	8 OR LESS	F.O.
20	20	79
	16	48
	12	9
	10 OR LESS	F.O.
24	24	79
	20	54
	16	23
	12 OR LESS	F.O.
30	30	101
	24	66
	20	38
	16	4
	12 OR LESS	F.O.
36	36	122
	30	90
	24	53
	20	21
	16 OR LESS	1
		F.O.
42	42	141
	36	113
	30	79
	24	38
	20	3
	16 OR LESS	1
		F.O.
48	48	160
	42	133
	36	103
	30	66
	24	22
	20 OR LESS	F.O.

WT20 DUCTILE IRON PIPE RESTRAINT JOINT SCHEDULE SCALE: N.T.S

OTHER PIPE	HORIZONTAL SEPARATION	CROSSING (1)	JOINT SPACING AT CROSSINGS (FULL JOINT CENTERED)
STORM SEWER, STORMWATER FORCE MAIN			
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN			

NOTES:

1. WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12".
2. 3' FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6" ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.
3. REFER TO WATER AND SEWER NOTES (C-101) AND SPECIFICATIONS FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.
4. THE LOCATION OF ALL WATER MAINS SHALL COMPLY WITH CHAPTER 62-555.314, F.A.C.
5. THE LOCATION AND TYPE OF PIPE FOR ALL PIPES CROSSING A WATERMAIN OR LAID WITHIN THREE FEET HORIZONTALLY OF A WATERMAIN SHALL COMPLY WITH RULE 62-555.314(5)(b), F.A.C.

WT26 TYPICAL PIPE SEPARATION DETAIL SCALE: N.T.S

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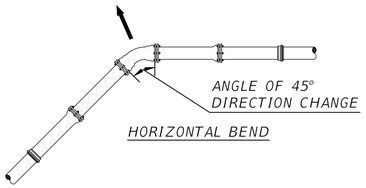
2551 BLAIRSTONE PINES DR., TALLAHASSEE, FL 32301, WWW.NFPS.NET, CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

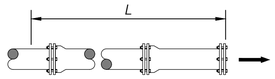
WATER DETAILS
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

SHEET NO. C-104

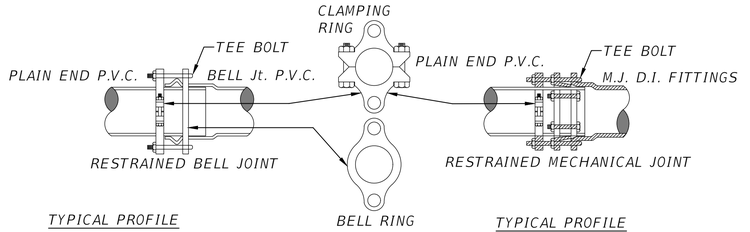
CONTRACTOR SHALL REFERENCE "CITY OF LAKE CITY UTILITY STANDARDS 2010-REVISED 2020" FOR ALL UTILITY DETAILS.



HORIZONTAL BEND



DEAD END



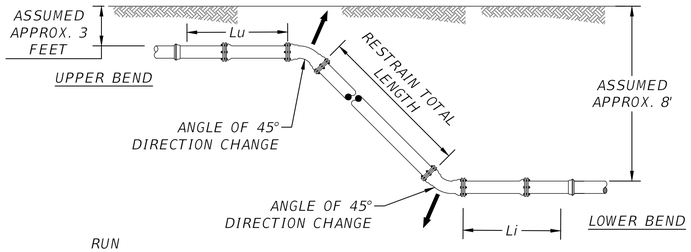
TYPICAL PROFILE

BELL JOINT TO PLAIN END W/MECHANICAL RESTRAINERS

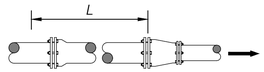
SECTION

TYPICAL PROFILE

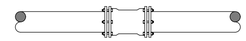
MECHANICAL JOINT TO PLAIN END W/MECHANICAL RESTRAINERS



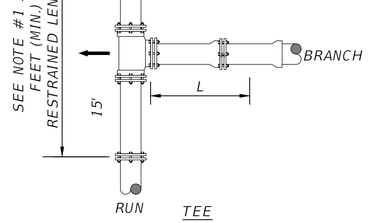
VERTICAL OFFSET PROFILE



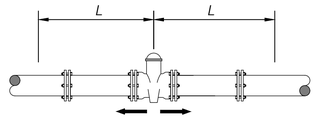
REDUCER



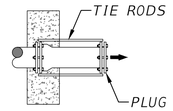
MECHANICAL JOINT SLEEVES



TEE



VALVE



NO. OF TIE RODS REQUIRED

3" - 8"	DIAMETER MAIN - 2 TIE RODS REQUIRED PER JOINT (3/4" ROD)
10" - 12"	DIAMETER MAIN - 4 TIE RODS REQUIRED PER JOINT (3/4" ROD)
14" - 16"	DIAMETER MAIN - 6 TIE RODS REQUIRED PER JOINT (3/4" ROD)
8" - 20"	DIAMETER MAIN - 8 TIE RODS REQUIRED PER JOINT (3/4" ROD)
24"	DIAMETER MAIN - 12 TIE RODS REQUIRED PER JOINT (3/4" ROD)
30" - 36"	DIAMETER MAIN - 14 TIE RODS REQUIRED PER JOINT (1" ROD)
42" - 48"	DIAMETER MAIN - 16 TIE RODS REQUIRED PER JOINT (1 1/4" ROD)
54"	DIAMETER MAIN - 18 TIE RODS REQUIRED PER JOINT (1 1/4" ROD)

NOTES:

1. TOTAL LENGTH BETWEEN FIRST JOINTS OR RESTRAINED LENGTH ON EITHER SIDE OF TEE (RUN) SHALL BE A TOTAL DISTANCE OF 30 FEET (MIN.).
8. PER CITY OF LAKE CITY UTILITIES AL 90'S AND DEAD ENDS SHALL HAVE 5 RESTRAINTS. ALL VALVES, TEES, & 4 WAYS SHALL HAVE 3 RESTRAINTS, ALL OTHER FITTINGS SHALL HAVE 2 RESTRAINTS. THIS INCLUDES STRAIGHT RUNS OF PIPES.
9. IF THE APPLICABLE SCHEDULE EXCEEDS THE REQUIREMENTS OF NOTE 8, THE SCHEDULE SHALL BE FOLLOWED.

WT21 MECHANICAL RESTRAINT DETAILS SCALE: N.T.S

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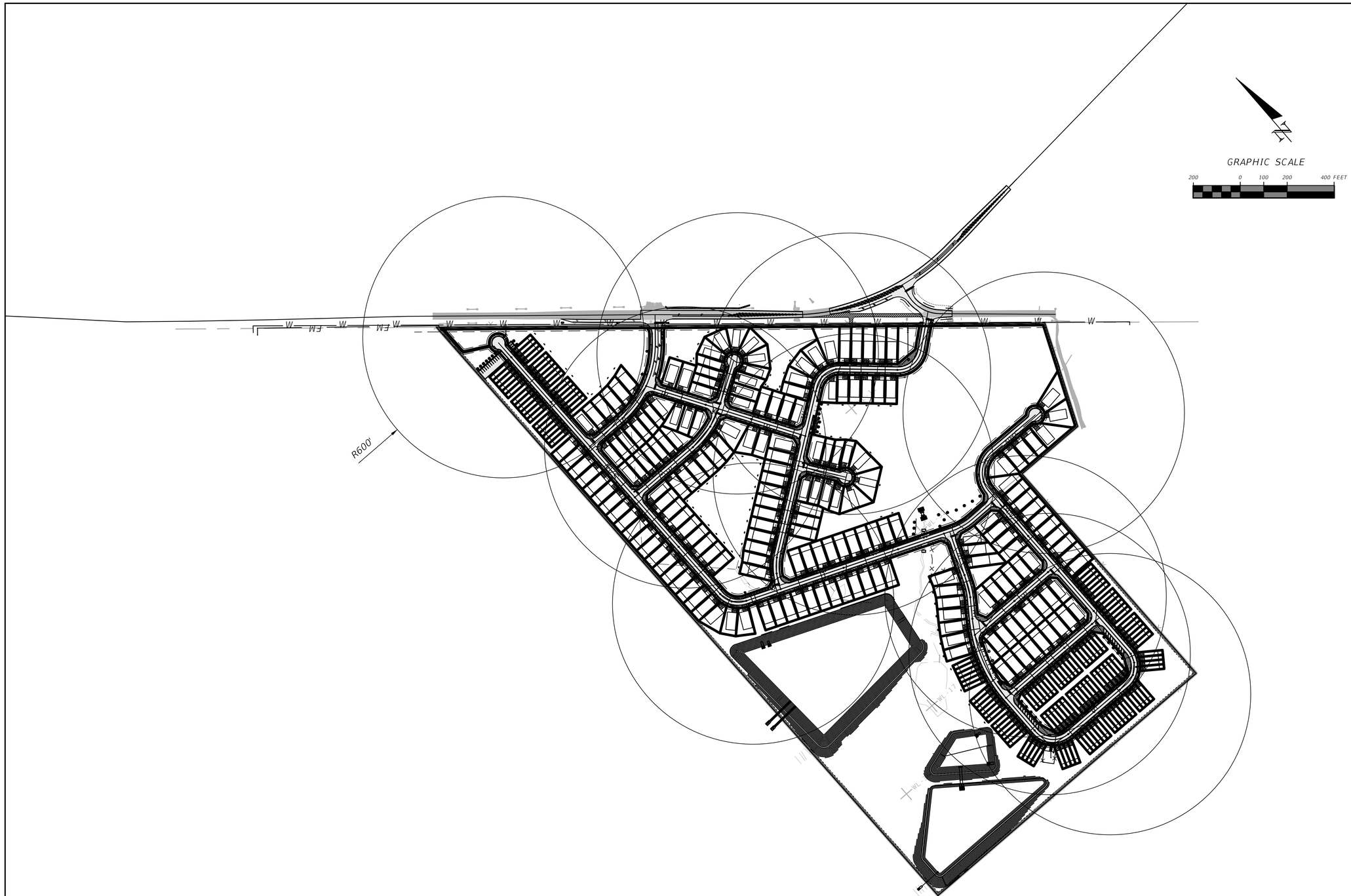
2551 BLAIRSTONE PINES DR., TALLAHASSEE, FL 32301, WWW.NFPS.NET, CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

WATER DETAILS
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

SHEET NO. C-105



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TALLAHASSEE, FL 32301
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CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

FIRE HYDRANT RADII

HUNTERS CREEK SUBDIVISON
COLUMBIA, FLORIDA

SHEET NO. C-106

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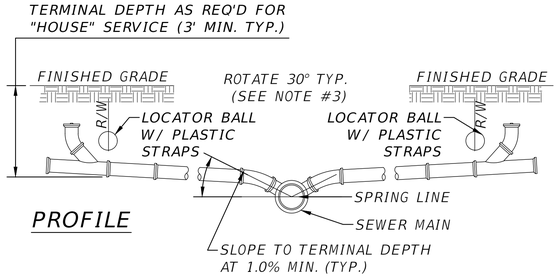
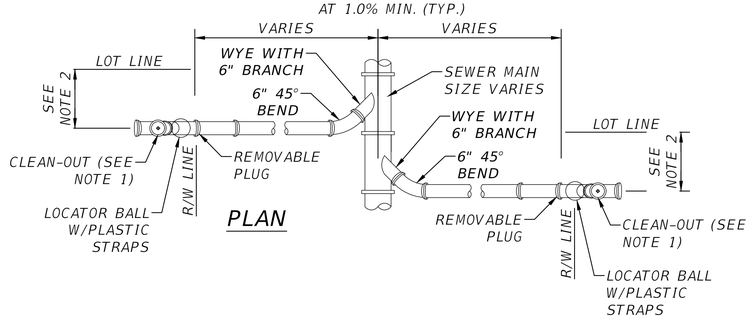
CONTRACTOR SHALL REFERENCE "CITY OF LAKE CITY UTILITY STANDARDS 2010-REVISED 2020" FOR ALL UTILITY DETAILS.



PROFILE

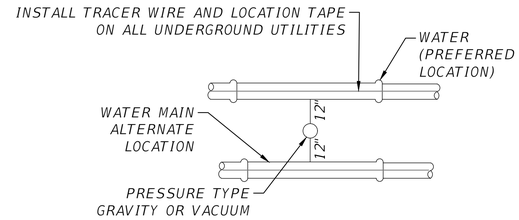


PLAN

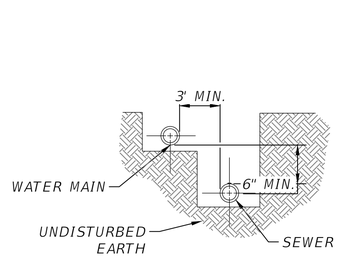
NOTES:

1. CLEAN-OUT (SHOWN LIGHTER) SHALL BE INSTALLED BY THE BUILDER IN ACCORDANCE WITH STANDARD PLUMBING CODE.
2. LOCATE SINGLE LATERAL AS CLOSE TO LOT LINE AS POSSIBLE, 25' MAXIMUM.
3. INVERT OF SERVICE LATERAL SHALL NOT ENTER SEWER MAIN BELOW SPRING LINE.
4. CONTRACTOR SHALL PROVIDE LOCATOR BALLS w/PLASTIC TIE STRAPS. LOCATOR BALLS SHALL BE SECURED TO LATERAL w/PLASTIC TIE STRAPS.
5. SERVICE LATERALS SHALL HAVE A MINIMUM 18" OF COVER BETWEEN R/W TIE-IN AND BUILDING.
6. BUILDER TO FURNISH AND INSTALL LOCATOR BALLS.

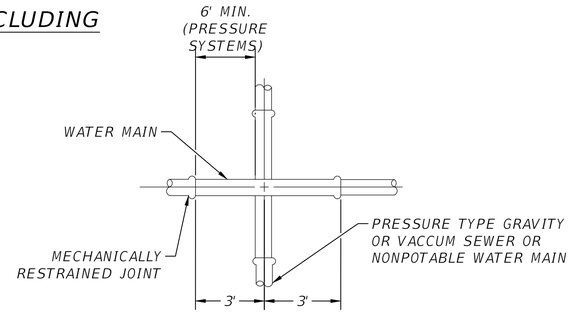
SN02 SANITARY SEWER SERVICE LATERALS
SCALE: N.T.S



VERTICAL SEPERATION INCLUDING ALT. WATER MAIN



VERTICAL SEPERATION



CROSSINGS @ CENTERED JOINTS

NOTES:

1. THE MINIMUM HORIZONTAL DISTANCE BETWEEN THE OUTSIDE OF A WATER MAIN AND SEWER MAIN SHALL BE 6' WITH A PREFERRED 10' SEPARATION.
2. WHERE A 10 FOOT PARALLEL SEPARATION CANNOT BE MAINTAINED BETWEEN A WATERMAIN AND A SEWER MAIN OR NON-POTABLE WATER MAIN, THEN THE WATER MAIN SHALL BE LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF AT LEAST 6 INCHES ABOVE THE TOP OF THE SEWER MAIN OR NON-POTABLE WATER MAIN. THE HORIZONTAL SEPARATION SHALL BE NO LESS THAN 3'. WHEN A SEWER MAIN AND A WATER MAIN CROSS, THE WATERMAIN SHOULD BE A MINIMUM OF 3' ABOVE OR BELOW THE SEWER.
3. FOR ALL PIPE CROSSINGS, THE PIPE JOINTS SHALL BE ARRANGED SO THAT ALL PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING WITH NO LESS THAN SIX FEET BETWEEN ANY TWO JOINTS.
4. IF THE HORIZONTAL OR VERTICAL CLEARANCE LISTED HEREIN CANNOT BE ACHIEVED THE WATERMAIN CAN BE ENCASED IN 4" OF CONCRETE.

SN03 WATER/SEWER SEPARATION DETAILS
SCALE: N.T.S

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REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823, LAKE CITY, FL 32056, PH. 386-752-4675, LIC NO. LB8356
2551 BLAIRSTONE PINES DR., TALLAHASSEE, FL 32301, WWW.NFPS.NET, CA# 29011

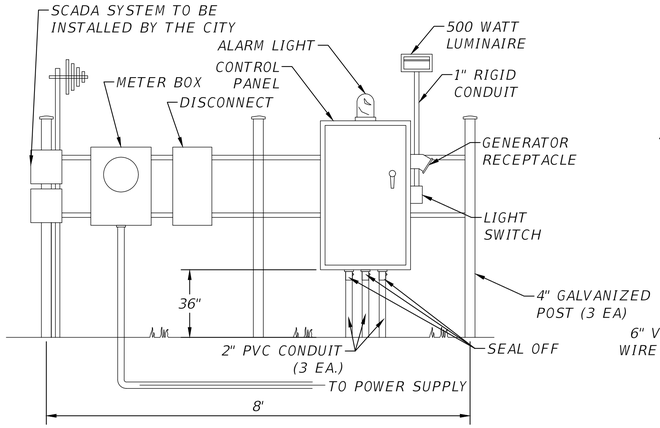
JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

SANITARY DETAILS
HUNTERS CREEK SUBDIVISON
COLUMBIA COUNTY, FL

SHEET NO. C-107

Dalton Kurtz 5/15/2024 11:55:00 AM X:\2023\L230419GAR\H.CADD\Roadway\KEYSRD01.dwg

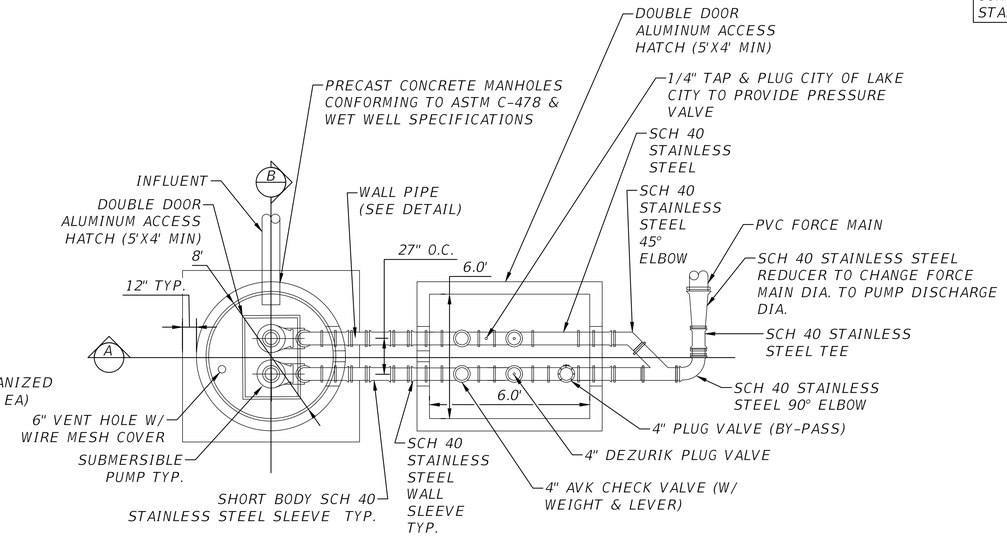
CONTRACTOR SHALL REFERENCE "CITY OF LAKE CITY UTILITY STANDARDS 2010-REVISED 2020" FOR ALL UTILITY DETAILS.



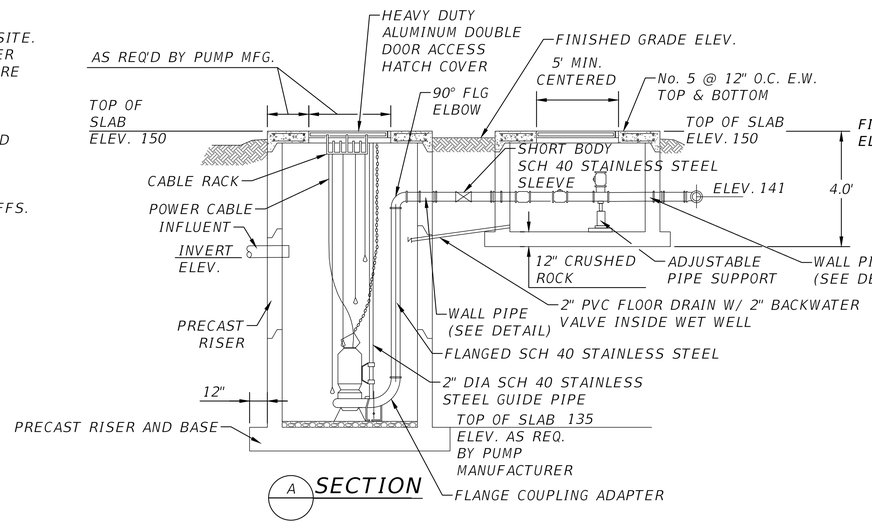
CONTROL PANEL

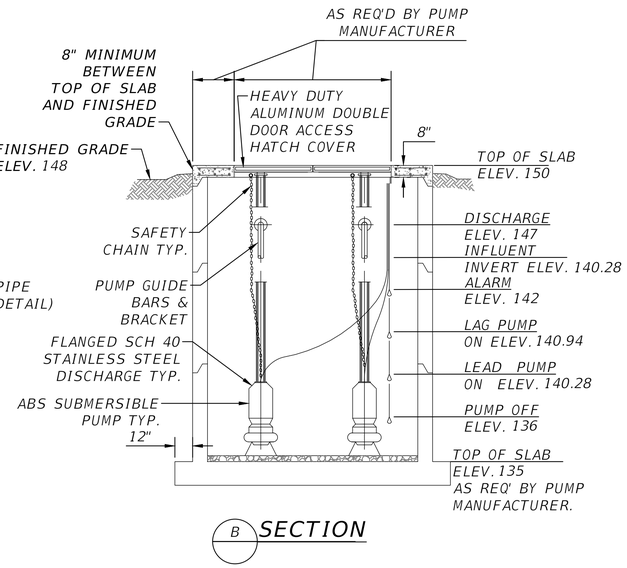
CONTROL PANEL & LIFT STATION NOTES:

1. PER CITY OF LAKE CITY,SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) SYSTEM SHALL BE INSTALLED BY THE DEVELOPER.
2. CONTROL PANEL ASSEMBLY SHALL BE LOCATED AT PUMP STATION SITE.
3. PUMP CONTROL PANEL SHALL BE SUPPLIED BY PUMP MANUFACTURER AND GENERALLY CONSIST OF A 30"WX36"H NEMA TYPE 4X ENCLOSURE CONSTRUCTED OF 304 STAINLESS STEEL AND UL LISTED.
4. CONTRACTOR SHALL INSTALL ALL MOUNTING COMPONENTS (GALVANIZED POSTS, UNISTRUTS, ETC.), CONTROL PANEL, PVC CONDUITS TO WET WELL, POLE LIGHT AND SWITCH, METER BOX AND DISCONNECT, AND POWER CONNECT TO NEAREST POWER SUPPLY.
5. CONTRACTOR SHALL COORDINATE SCADA INSTALLATION AND ACTIVATION WITH DATAFLOW
6. PANEL AND WETWELL CONDUIT SHALL BE SEALED WITH 2" SEAL OFFS.
7. CONTRACTOR SHALL COORDINATE ABS PUMP STARTUP WITH HYDRO SERVICES.
8. CONTRACTOR SHALL INSTALL ONLY CITY OF LAKE CITY UTILITIES APPROVED COMPONENTS.
9. ALL PIPING INSIDE OF LIFT STATION SHALL BE STAINLESS STEEL.



PLAN





SN10 LIFT STATION - PRECAST WETWELL

SCALE: N.T.S

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2551 BLAIRSTONE PINES DR., TALLAHASSEE, FL 32301, WWW.NFPS.NET, CA# 29011

JOB NUMBER: L230419GAR
EOR: GREGORY G. BAILEY
P.E. NO.: 43858

SANITARY DETAILS SOUTH LIFT STATION

HUNTERS CREEK SUBDIVISON

COLUMBIA COUNTY, FL

SHEET NO. C-108

Dalton Kurtz 5/15/2024 11:55:01 AM X:\2023\L230419GAR\H.CADD\Roadway\KEYSRD01.dwg

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