CONSTRUCTION DOCUMENTS

FOR:

Killearn Lakes Greenways
Maintenance and Restoration Plans
Phase 1 A (Unit 1)

GENERAL NOTES

1. ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON A FIELD SURVEY BY HSA CONSULTING GROUP INC. DATED 6/25/2010, AND 12/22/2011, AND TLCGIS LIDAR 2' CONTOURS.
2. SURVEY DATUM–NAVD 1988.
3. ALL ROADWAY AND DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2010, DIVISIONS II AND III.
4. ALL FDOT INDEX NUMBERS REFER TO THE 2010 EDITION OF THE FDOT DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM
5. AT THE PRECONSTRUCTION MEETING THE CONTRACTOR SHALL DESIGNATE A REPRESENTATIVE WHO IS CERTIFIED IN EROSION AND SEDIMENTATION CONTROL AND SHALL BE CAPABLE OF BEING REACHED 24 HOURS A DAY, 7 DAYS A WEEK.
6. THE CONTRACTOR WILL DESIGNATE A STORMWATER MANAGEMENT CONTROL OFFICER PRIOR TO THE PRECONSTRUCTION MEETING, AND WILL INFORM THE ENVIRONMANTAL INSPECTOR.
7. EXISTING UTILITIES HAVE BEEN LOCATED USING THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES AND PROVIDE FOR PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY SUNSHINE ONE CALL (1–800–432–4770), 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
8. CURRENT EXISTING DEEDS AND PLATS COMPILED FROM THE LEON COUNTY CLERK OF COURT WERE UTILIZED FOR COMPILING PROPERTY AND EASEMENT LINES FOR THIS SURVEY. PROPERTY LINES WITHIN THE PLATS USED, IN SOME AREAS, DON'T MEET OR MATCH THE MONUMENTATION FOUND. RECORDED PLAT LINES, TLCGIS PARCEL DATA AND MONUMENTATION WERE MERGED TO CREATE THE PARCEL BOUNDARIES SHOWN ON THESE PLANS. THE CONTRACTOR SHOULD CONFIRM THAT ALL DISTURBED AREAS ARE WITHIN THE RIGHT OF WAY, H.O.A. GREEN SPACES, OR DRAINAGE EASEMENTS.
9. HORIZONTAL AND VERTICAL CONTROL SHALL BE OBTAINED FROM THE PROJECT SURVEYOR, AT THE CONTRACTORS EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LAYOUT COSTS, MAINTAINING THE CONTROLS THROUGHOUT THE DURATION OF CONSTRUCTION, & FOR POST CONSTRUCTION AS–BUILT SURVEY.
10. ALL WORK SHALL OCCUR WITHIN THE PUBLIC R.O.W., COUNTY DRAINAGE EASEMENTS, AND GREENWAY OPEN SPACES UNLESS SPECIFICALLY INDICATED OTHERWISE. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND STAKING R.O.W. AND PROPERTY LINES PRIOR TO CONSTRUCTION.
11. ALL DISTURBED AREAS THAT ARE NOT STABILIZED OR PLANTED SHALL BE SODDED, AS APPLICABLE, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION PLANS. PROBLEM AREAS SHALL BE SODDED AS DIRECTED BY THE STORMWATER MANAGEMENT CONTROL OFFICER.
12. THE CONTRACTOR SHALL SUBMIT A POST–CONSTRUCTION CERTIFICATION AND REPRODUCIBLE RECORD DRAWINGS TO THE ENGINEER PRIOR TO INSPECTION AND ACCEPTANCE. THE RECORD DRAWINGS SHALL BE PREPARED AND CERTIFIED BY A PROFESSIONAL LAND SURVEYOR.
13. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE LEON COUNTY ENVIRONMENTAL MANAGEMENT PERMIT.
14. THE CONTRACTOR SHALL NOT SUBSTITUTE ANY ARTICLE, DEVICE, PRODUCT, MATERIAL OR FIXTURE, OR ANY FORM OR TYPE OF CONSTRUCTION, FOR THAT WHICH IS INDICATED IN THE APPROVED PLANS WITHOUT THE EXPRESSED WRITTEN APPROVAL OF THE COUNTY ENGINEER OR THE COUNTY ENGINEER'S DESIGNATED FIELD REPRESENTATIVE.
15. AT LEAST FOURTEEN CALENDAR DAYS PRIOR TO THE PRECONSTRUCTION CONFERENCE THE CONTRACTOR SHALL SUBMIT A TENTATIVE BASE CONSTRUCTION SCHEDULE, TRAFFIC CONTROL PLAN, AND STAGING AREA PLAN TO THE ENGINEER AND LEON COUNTY PUBLIC WORKS FOR APPROVAL. NO WORK WILL BEGIN PRIOR TO APPROVAL OF THE CONSTRUCTION SCHEDULE, TRAFFIC PLAN, AND STAGING AREA PLAN. IF THE STAGING AREA PLAN REQUIRES OFF–SITE STAGING THE CONTRACTOR WILL BE REQUIRED TO OBTAIN ANY ADDITIONAL PERMITS THAT MAY BE NEEDED.
16. CONTRACTOR WILL BE RESPONSIBLE FOR PROPERLY DISPOSING OF ANY EXCAVATED MATERIAL IN ACCORDANCE WITH COUNTY STANDARDS.
17. A DISPOSAL SITE SHALL BE SUBMITTED BY THE CONTRACTOR AT OR PRIOR TO THE PRECONSTRUCTION MEETING, TO BE APPROVED BY THE ENVIRONMENTAL INSPECTOR. NO WORK WILL BEGIN PRIOR TO APPROVAL OF THE DISPOSAL SITE BY THE COUNTY ENGINEER, OR THE COUNTY ENGINEER'S DESIGNATED FIELD REPRESENTATIVE, AND THE ENVIRONMENTAL INSPECTOR.
18. LEON COUNTY PUBLIC WORKS OR THEIR DESIGNEE SHALL BE RESPONSIBLE FOR SUBMITTING NOTICE OF CONSTRUCTION COMMENCEMENT AT THE PRE CONSTRUCTION MEETING, MONITORING DURING CONSTRUCTION, AND SUBMITTING AS–BUILT CERTIFICATIONS FOR THE PROJECT ONCE COMPLETED.
19. IF DURING CONSTRUCTION OF THE DITCH SYSTEM, A STRUCTURAL FAILURE IS OBSERVED THAT HAS THE POTENTIAL TO CAUSE THE DIRECT DISCHARGE OF SURFACE WATER INTO THE FLORIDAN AQUIFER SYSTEM, THE SITE SUPERINTENDENT AND LEON COUNTY PUBLIC WORKS DEPARTMENT SHALL BE INFORMED IMMEDIATELY. THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT AND LEON COUNTY GROWTH & ENVIRONMENTAL COMPLIANCE DIVISION SHALL BE NOTIFIED WITHIN 48 HOURS AND CORRECTIVE ACTIONS DESIGNED OR APPROVED BY REGISTERED PROFESSIONALS WITH QUALIFICATIONS IN HYDROGEOLOGY AND ENGINEERING, SPECIFIC TO THE SITE AND TO THE FAILURE OBSERVED, SHALL BE TAKEN AS SOON AS PRACTICAL TO CORRECT THE FAILURE.
    - IMMEDIATE ACTION UPON THE DISCOVERY OF THE FAILURE SHALL INCLUDE (BUT NOT BE LIMITED TO):
    - CEASE CONSTRUCTION ACTIVITIES WITHIN 100 FEET OF THE FAILURE AREA;
    - ISOLATE, IDENTIFY AND SECURING THE FAILURE AREA WITH BARRIER FENCING AND/OR WARNING RIBBON (OR BY OTHER APPROPRIATE MEANS);
    - INITIATE WRITTEN AND PHOTOGRAPHIC DOCUMENTATION;
    - COMPLY WITH VERBAL INSTRUCTIONS FROM LEON COUNTY PUBLIC WORKS DEPARTMENT REPRESENTATIVE;
    - A REPORT WITH DETAILED SINKHOLE EVALUATION AND REPAIR PLAN PREPARED BY A PROFESSIONAL GEOLOGIST OR A PROFESSIONAL GEOTECHNICAL ENGINEER WITH QUALIFICATIONS IN HYDROGEOLOGY AND ENGINEERING MUST BE PROVIDED BY LEON COUNTY PUBLIC WORKS AS SOON AS PRACTICAL TO THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT FOR REVIEW AND APPROVAL. THE REPORT MUST DEMONSTRATE REASONABLE ASSURANCE THAT THE BREACH OR FAILURE WILL BE PERMANENTLY CORRECTED IN COMPLIANCE WITH THE PERMIT.
20. CONTRACTOR SHALL NOT ADVERSELY IMPACT WETLANDS. CONTRACTOR WILL STAKE THE LIMITS OF CONSTRUCTION LINE SUPPLIED BY ATKINS, AND NO WORK SHALL BE CONDUCTED OUTSIDE OF THE LIMITS OF CONSTRUCTION. NO ACTIVITY SHALL OCCUR IN WETLANDS OUTSIDE OF THE LIMITS OF CONSTRUCTION, EXCEPT REMOVAL OF INVASIVE AND EXOTIC SPECIES AND INSTALLATION OF WETLAND PLANTS AS DIRECTED BY THE LANDSCAPE ARCHITECT. NO MATERIALS OR EQUIPMENT SHALL BE STORED IN WETLANDS OR ADJACENT TO WETLANDS.

PREPARED FOR:

LEON COUNTY
PUBLIC WORKS
2280 Miccosukee Road
Tallahassee, Fl 32308
Ph: 850–606–1500 Fax: 850–606–1501

LOCATION MAP
N.T.S.

PREPARED BY:

ATKINS

2639 N. Monroe St. Building C - Tallahassee, Florida 32303 - 850.575.1800
FBPR Certificate of Authorization No. 24

NOVEMBER 13, 2012

SHEET INDEX

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NOTE:
EXTREME CAUTION ! – UNDERGROUND ELECTRIC AND UNDERGROUND GAS PRESENT IN CONSTRUCTION AREAS. CONTRACTOR MUST USE EXTREME CAUTION DURING ANY EXCAVATIONS OR DIGGING, AND REFER TO GENERAL NOTE #7.

TREE TABLE:
361 TREES TO BE REMOVED, SIZES VARY 12"–22"±.
ASSUMING 10 DEBITS PER TREE, WOULD REQUIRE 3,610 DEBITS NEEDED.
1,792 TREES WILL BE PRESERVED, SIZES VARY 12"–22"±.
ASSUMING 6 CREDITS PER TREE, WOULD PROVIDE 10,752 CREDITS PROVIDED.

THE CONTRACTOR WILL FOLLOW THE ARBORICULTURAL MITIGATION PLAN DESCRIBED ON SHEET L2.0 FOR ALL TREES WITHIN THE LIMITS OF CONSTRUCTION, AND ALL POTENTIALLY IMPACTED TREES.

APPLICANT'S COPY

EXHIBIT A

APPROVED John Krayniak
PERMIT # 1204.00038
DATE 11/9/12
☒ Special Conditions Exist For This Permit. Refer to Exhibit(s): See Attachment A AMP

SURVEYOR OF RECORD:
John M. Pulice, PSM
HSA Consulting Group, Inc.
1648 Metropolitan Circle, Suite A
Tallahassee FL, 32308
Phone: 850.309.7510

ENGINEER OF RECORD:
ATKINS
WILLIAM K. JOHNSON
P.E. NO. 41040

KILLEARN LAKES GREENWAYS PH.1A 100014954

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LEGEND

GENERAL:

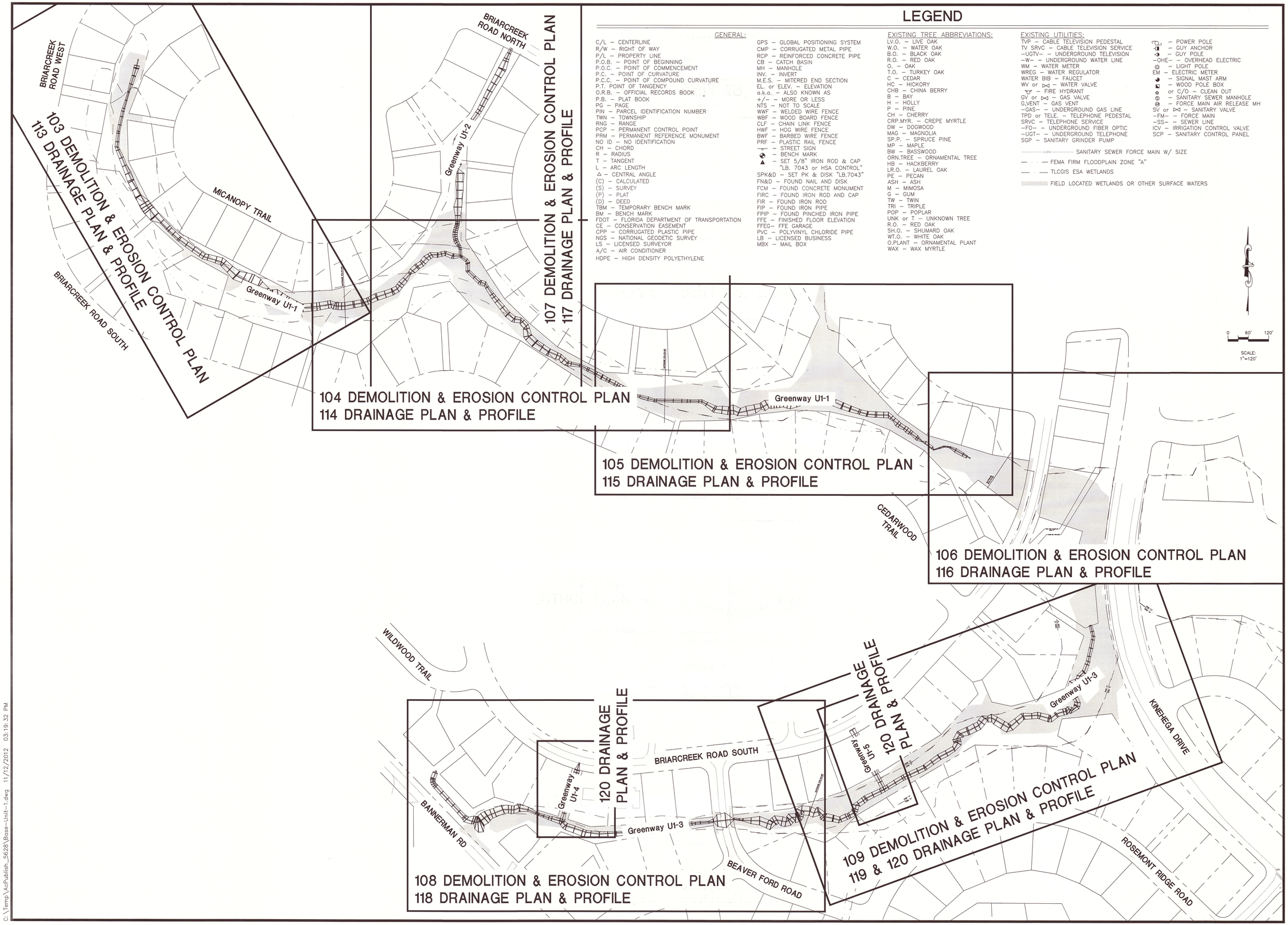
C/L – CENTERLINE
R/W – RIGHT OF WAY
P/L – PROPERTY LINE
P.O.B. – POINT OF BEGINNING
P.O.C. – POINT OF COMMENCEMENT
P.C. – POINT OF CURVATURE
P.C.C. – POINT OF COMPOUND CURVATURE
P.T. POINT OF TANGENCY
O.R.B. – OFFICIAL RECORDS BOOK
P.B. – PLAT BOOK
PG – PAGE
PIN – PARCEL IDENTIFICATION NUMBER
TWN – TOWNSHIP
RNG – RANGE
PCP – PERMANENT CONTROL POINT
PRM – PERMANENT REFERENCE MONUMENT
NO ID – NO IDENTIFICATION
CH – CHORD
R – RADIUS
T – TANGENT
L – ARC LENGTH
Δ – CENTRAL ANGLE
(C) – CALCULATED
(S) – SURVEY
(P) – PLAT
(D) – DEED
TBM – TEMPORARY BENCH MARK
BM – BENCH MARK
FDOT – FLORIDA DEPARTMENT OF TRANSPORTATION
CE – CONSERVATION EASEMENT
CPP – CORRUGATED PLASTIC PIPE
NGS – NATIONAL GEODETIC SURVEY
LS – LICENSED SURVEYOR
A/C – AIR CONDITIONER
HDPE – HIGH DENSITY POLYETHYLENE
GPS – GLOBAL POSITIONING SYSTEM
CMP – CORRUGATED METAL PIPE
RCP – REINFORCED CONCRETE PIPE
CB – CATCH BASIN
MH – MANHOLE
INV. – INVERT
M.E.S. – MITERED END SECTION
EL. or ELEV. – ELEVATION
a.k.a. – ALSO KNOWN AS
+/– – MORE OR LESS
NTS – NOT TO SCALE
WWF – WELDED WIRE FENCE
WBF – WOOD BOARD FENCE
CLF – CHAIN LINK FENCE
HWF – HOG WIRE FENCE
BWF – BARBED WIRE FENCE
PRF – PLASTIC RAIL FENCE
– STREET SIGN
– BENCH MARK
– SET 5/8" IRON ROD & CAP "LB. 7043 or HSA CONTROL"
SPK&D – SET PK & DISK "LB.7043"
FN&D – FOUND NAIL AND DISK
FCM – FOUND CONCRETE MONUMENT
FIRC – FOUND IRON ROD AND CAP
FIR – FOUND IRON ROD
FIP – FOUND IRON PIPE
FPIP – FOUND PINCHED IRON PIPE
FFE – FINISHED FLOOR ELEVATION
FFEG– FFE GARAGE
PVC – POLYVINYL CHLORIDE PIPE
LB – LICENSED BUSINESS
MBX – MAIL BOX

EXISTING TREE ABBREVIATIONS:

LV.O. – LIVE OAK
W.O. – WATER OAK
B.O. – BLACK OAK
R.O. – RED OAK
O. – OAK
T.O. – TURKEY OAK
C – CEDAR
HC – HICKORY
CHB – CHINA BERRY
B – BAY
H – HOLLY
P – PINE
CH – CHERRY
CRP.MYR. – CREPE MYRTLE
DW – DOGWOOD
MAG – MAGNOLIA
SP.P. – SPRUCE PINE
MP – MAPLE
BW – BASSWOOD
ORN.TREE – ORNAMENTAL TREE
HB – HACKBERRY
LR.O. – LAUREL OAK
PE – PECAN
ASH – ASH
M – MIMOSA
G – GUM
TW – TWIN
TRI – TRIPLE
POP – POPLAR
UNK or T – UNKNOWN TREE
R.O. – RED OAK
SH.O. – SHUMARD OAK
WT.O. – WHITE OAK
O.PLANT – ORNAMENTAL PLANT
WAX – WAX MYRTLE

EXISTING UTILITIES:

TVP – CABLE TELEVISION PEDESTAL
TV SRVC – CABLE TELEVISION SERVICE
–UGTV– – UNDERGROUND TELEVISION
–W– – UNDERGROUND WATER LINE
WM – WATER METER
WREG – WATER REGULATOR
WATER BIB – FAUCET
WV or ⋈ – WATER VALVE
– FIRE HYDRANT
GV or ⋈ – GAS VALVE
G.VENT – GAS VENT
–GAS– – UNDERGROUND GAS LINE
TPD or TELE. – TELEPHONE PEDESTAL
SRVC – TELEPHONE SERVICE
–FO– – UNDERGROUND FIBER OPTIC
–UGT– – UNDERGROUND TELEPHONE
SGP – SANITARY GRINDER PUMP
– POWER POLE
– GUY ANCHOR
– GUY POLE
–OHE– – OVERHEAD ELECTRIC
– LIGHT POLE
EM – ELECTRIC METER
– SIGNAL MAST ARM
– WOOD POLE BOX
or C/O – CLEAN OUT
– SANITARY SEWER MANHOLE
– FORCE MAIN AIR RELEASE MH
SV or ⋈ – SANITARY VALVE
–FM– – FORCE MAIN
–SS– – SEWER LINE
ICV – IRRIGATION CONTROL VALVE
SCP – SANITARY CONTROL PANEL
SANITARY SEWER FORCE MAIN W/ SIZE
– FEMA FIRM FLOODPLAIN ZONE "A"
– TLCGIS ESA WETLANDS
FIELD LOCATED WETLANDS OR OTHER SURFACE WATERS



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JOB NO. 1000149954
DRAWN MR
DESIGNED CCB
CHECKED WKJ
QC
SHEET 100

WILLIAM K. JOHNSON
P.E. NO. 44040
Signature Date
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN BLUE INK

ORIGINAL NOV. 13, 2012
REVISIONS:
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TASK
UNIT 1 NORTH
KEY MAP

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

CLIENT
LEON COUNTY FLORIDA'S CAPITAL COUNTY

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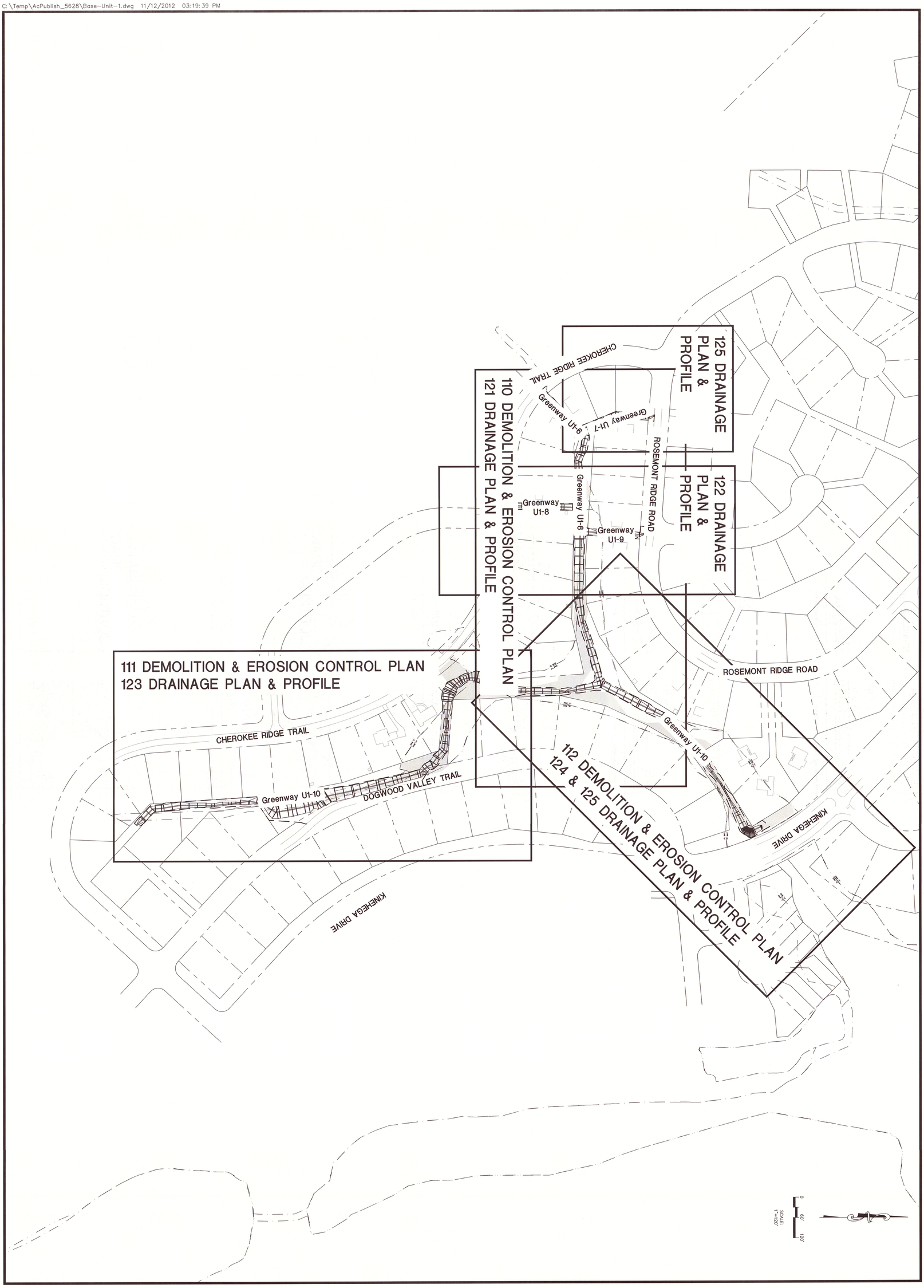

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CLIENT: LEON COUNTY, FLORIDA'S CAPITAL COUNTY

PROJECT: Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

TASK: UNIT 1 SOUTH KEY MAP

ORIGINAL NOV. 13, 2012
REVISIONS:
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WILLIAM K. JOHNSON
P.E. NO. 41040
Signature Date
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK.

JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC

SHEET 101

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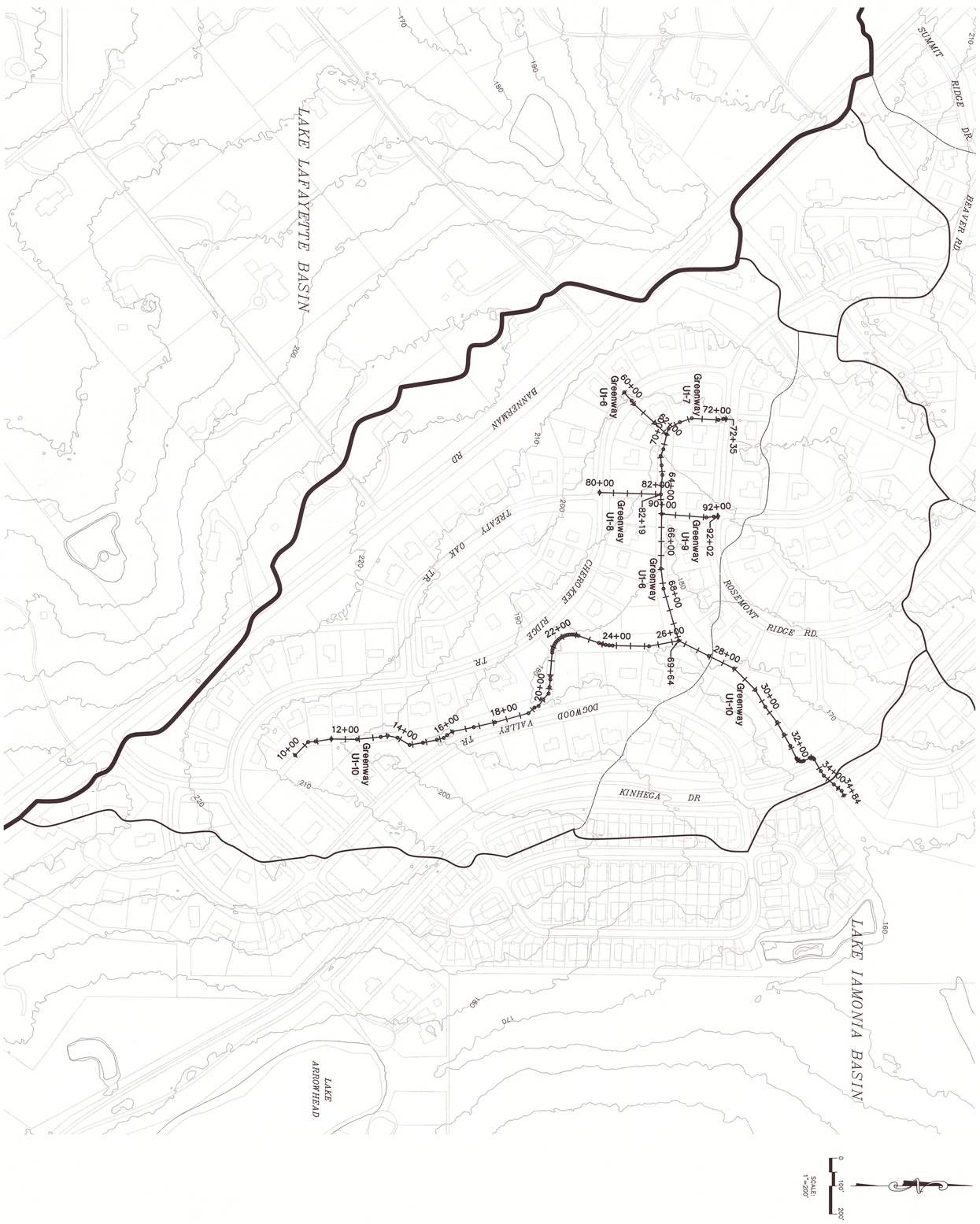

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CLIENT: LEON COUNTY, FLORIDA'S CAPITAL COUNTY

PROJECT: Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

TASK: UNIT 1 SOUTH BASIN MAP

ORIGINAL NOV. 13, 2012
REVISIONS:
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WILLIAM K. JOHNSON
P.E. NO. 41040
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DESIGNED GCB
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ATKINS
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Tallahassee, Florida 32303
850.575.1800
FBPR Certificate of Authorization No. 24

CLIENT: LEON COUNTY BOARD OF COUNTY COMMISSIONERS

PROJECT: Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

TASK: UNIT 1 NORTH BASIN MAP

ORIGINAL NOV. 13, 2012
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WILLIAM K. JOHNSON
P.E. NO. 41040
Signature
12/13/12 Date
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DESIGNED GCB
CHECKED WKJ
QC

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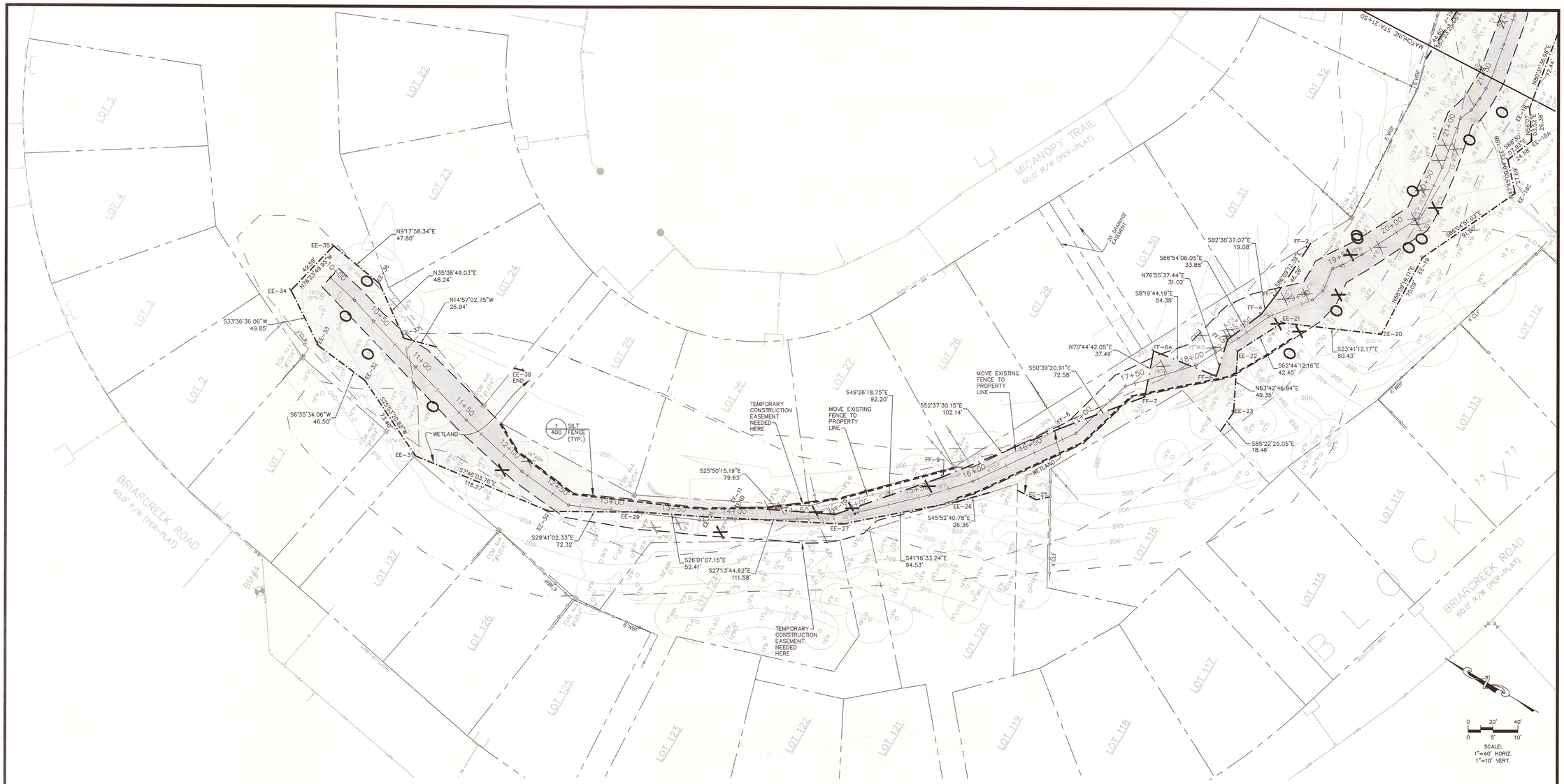

CONSTRUCTION SEQUENCE:

1. PRIOR TO BEGINNING CONSTRUCTION SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE APPROPRIATE PERMIT AGENCIES, AS DIRECTED BY LEON COUNTY PUBLIC WORKS.
2. STAKEOUT LIMITS OF CONSTRUCTION LINE. (20' WIDE MIN.-AS SHOWN) WHERE THERE ARE TREES, INSTALL TREE PROTECTION BARRICADES ALONG LIMITS OF CONSTRUCTION LINE. DO NOT DISTURB ANY AREAS OUTSIDE OF LIMITS OF CONSTRUCTION.
3. LOCATE ALL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION AND PROTECT THEM FROM DAMAGE.
4. INSTALL SILT FENCE AS SHOWN. ADDITIONAL SILT FENCES MAY BE ADDED AS REQUESTED BY THE ENVIRONMENTAL INSPECTOR.
5. INSTALL HAY BALES EVERY 100' DOWNSTREAM OF CONSTRUCTION ACTIVITY AS SHOWN. MAINTAIN AND REPAIR SILT FENCES UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETE, AND STABILIZED.
6. THE CONTRACTOR WILL FOLLOW THE ARBORICULTURAL MITIGATION PLAN DESCRIBED ON SHEET L2.0 FOR ALL TREES WITHIN THE LIMITS OF CONSTRUCTION, AND ALL POTENTIALLY IMPACTED TREES.
7. NO OFF-SITE ADVERSE IMPACTS FROM CONSTRUCTION EQUIPMENT ENTERING AND LEAVING THE SITE IS ALLOWED. CONTRACTOR SHALL INSTALL SOIL TRACKING PREVENTION DEVICES PER FDOT INDEX 106 TO THE EXTENT THAT IT IS PRACTICAL. ALL MATERIALS SPILLED, DROPPED, OR TRACKED ONTO ANY ROADS SHALL BE REMOVED DAILY.
8. CLEAR AND GRUB SITE, REMOVE TREES, AND DEMOLISH OR RELOCATE FENCES, ETC. AS SHOWN.
9. INSTALL SWALES AND STORMWATER PIPES AS SHOWN.
10. LANDSCAPE AND SOD ALL DISTURBED AREAS AS DIRECTED BY LEON COUNTY PUBLIC WORKS.
11. FLUSH ALL STORMWATER PIPES.
12. REMOVE EROSION CONTROLS AND TREE PROTECTION BARRICADES.
13. SUBMIT AS-BUILT DRAWINGS TO ENGINEER TO PREPARE A COMPLIANCE REPORT.
14. REQUEST A FINAL INSPECTION FROM ALL APPLICABLE PERMIT AGENCIES.

LEGEND

FULL LEGEND SHOWN ON SHEET 100

- FEMA FIRM FLOODPLAIN ZONE "A"
- TLCGIS ESA WETLANDS
- PROPOSED SILT FENCE
- PROPOSED LIMITS OF CONSTRUCTION
- PROPOSED IMPACTS TO WETLANDS OR OTHER SURFACE WATERS
- FIELD LOCATED WETLAND OR OTHER SURFACE WATERS FLAGS AND LINES
- WETLAND — NWFWMD AND ACOE WETLAND UNLESS OTHERWISE NOTED
- X — EXISTING 12"-17" TREES TO BE REMOVED. (TYP.)
- X — EXISTING 18" OR LARGER TREES TO BE REMOVED. (TYP.)
- O — EXISTING 18" OR LARGER TREE TO BE IMPACTED. (60% OF CPZ ENCROACHMENT)

NOTE:
EXTREME CAUTION ! - UNDERGROUND ELECTRIC AND UNDERGROUND GAS PRESENT IN CONSTRUCTION AREAS. CONTRACTOR MUST USE EXTREME CAUTION DURING ANY EXCAVATIONS OR DIGGING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES AND PROVIDE FOR PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY SUNSHINE ONE CALL (1-800-432-4770), 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET 103

WILLIAM K. JOHNSON
P.E. NO. 61040
Signature Date
NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND SEALED

ORIGINAL NOV. 13, 2012
REVISIONS:
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TASK
Greenway U1-1
DEMOLITION
AND EROSION
CONTROL PLAN

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

CLIENT
LEON COUNTY
FLORIDA'S CAPITAL COUNTY

ATKINS
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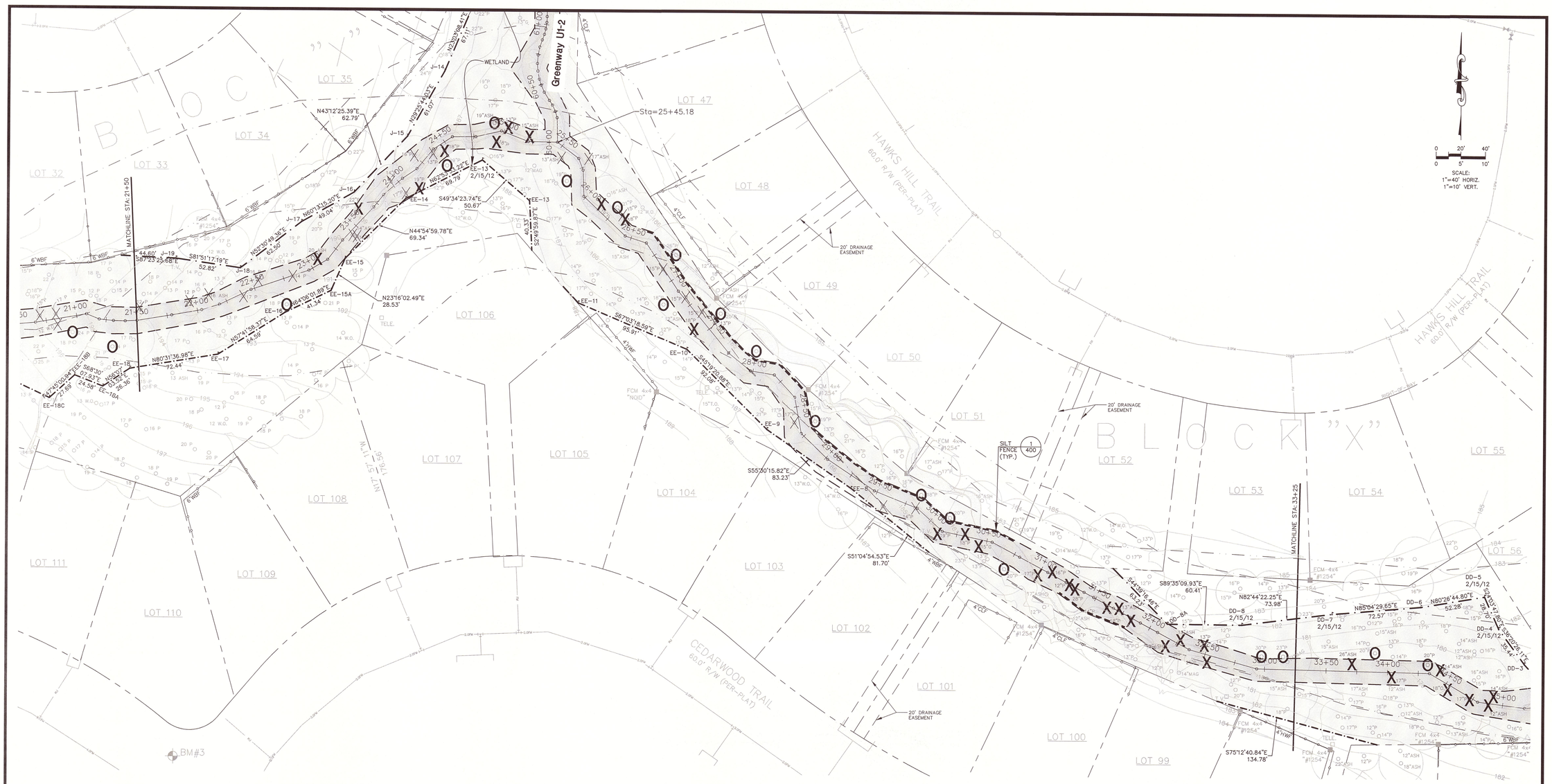

CONSTRUCTION SEQUENCE:

1. PRIOR TO BEGINNING CONSTRUCTION SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE APPROPRIATE PERMIT AGENCIES, AS DIRECTED BY LEON COUNTY PUBLIC WORKS.
2. STAKEOUT LIMITS OF CONSTRUCTION LINE. (20' WIDE MIN.-AS SHOWN) WHERE THERE ARE TREES, INSTALL TREE PROTECTION BARRICADES ALONG LIMITS OF CONSTRUCTION LINE. DO NOT DISTURB ANY AREAS OUTSIDE OF LIMITS OF CONSTRUCTION.
3. LOCATE ALL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION AND PROTECT THEM FROM DAMAGE.
4. INSTALL SILT FENCE AS SHOWN. ADDITIONAL SILT FENCES MAY BE ADDED AS REQUESTED BY THE ENVIRONMENTAL INSPECTOR.
5. INSTALL HAY BALES EVERY 100' DOWNSTREAM OF CONSTRUCTION ACTIVITY AS SHOWN. MAINTAIN AND REPAIR SILT FENCES UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETE, AND STABILIZED.
6. THE CONTRACTOR WILL FOLLOW THE ARBORICULTURAL MITIGATION PLAN DESCRIBED ON SHEET L2.0 FOR ALL TREES WITHIN THE LIMITS OF CONSTRUCTION, AND ALL POTENTIALLY IMPACTED TREES.
7. NO OFF-SITE ADVERSE IMPACTS FROM CONSTRUCTION EQUIPMENT ENTERING AND LEAVING THE SITE IS ALLOWED. CONTRACTOR SHALL INSTALL SOIL TRACKING PREVENTION DEVICES PER FDOT INDEX 106 TO THE EXTENT THAT IT IS PRACTICAL. ALL MATERIALS SPILLED, DROPPED, OR TRACKED ONTO ANY ROADS SHALL BE REMOVED DAILY.
8. CLEAR AND GRUB SITE, REMOVE TREES, AND DEMOLISH OR RELOCATE FENCES, ETC. AS SHOWN.
9. INSTALL SWALES AND STORMWATER PIPES AS SHOWN.
10. LANDSCAPE AND SOD ALL DISTURBED AREAS AS DIRECTED BY LEON COUNTY PUBLIC WORKS.
11. FLUSH ALL STORMWATER PIPES.
12. REMOVE EROSION CONTROLS AND TREE PROTECTION BARRICADES.
13. SUBMIT AS-BUILT DRAWINGS TO ENGINEER TO PREPARE A COMPLIANCE REPORT.
14. REQUEST A FINAL INSPECTION FROM ALL APPLICABLE PERMIT AGENCIES.

LEGEND

FULL LEGEND SHOWN ON SHEET 100

- FEMA FIRM FLOODPLAIN ZONE "A"
- TLCGIS ESA WETLANDS
- PROPOSED SILT FENCE
- PROPOSED LIMITS OF CONSTRUCTION
- PROPOSED IMPACTS TO WETLANDS OR OTHER SURFACE WATERS
- FIELD LOCATED WETLAND OR OTHER SURFACE WATERS FLAGS AND LINES
- NWFWMD AND ACOE WETLAND UNLESS OTHERWISE NOTED
- EXISTING 12"-17" TREES TO BE REMOVED. (TYP.)
- EXISTING 18" OR LARGER TREES TO BE REMOVED. (TYP.)
- EXISTING 18" OR LARGER TREE TO BE IMPACTED. (60% OF CPZ ENCROACHMENT)

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JOB NO. 100014954
DRAWN MR
DESIGNED CCB
CHECKED WKJ
QC
SHEET 104

WILLIAM K. JOHNSON
P.E. NO. 47090
Signature Date
NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND SEALED

ORIGINAL NOV. 13, 2012
REVISIONS:
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TASK Greenway U1-1 DEMOLITION AND EROSION CONTROL PLAN

PROJECT Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

CLIENT LEON COUNTY FLORIDA'S CAPITAL COUNTY

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
FBPR Certificate of Authorization No. 24

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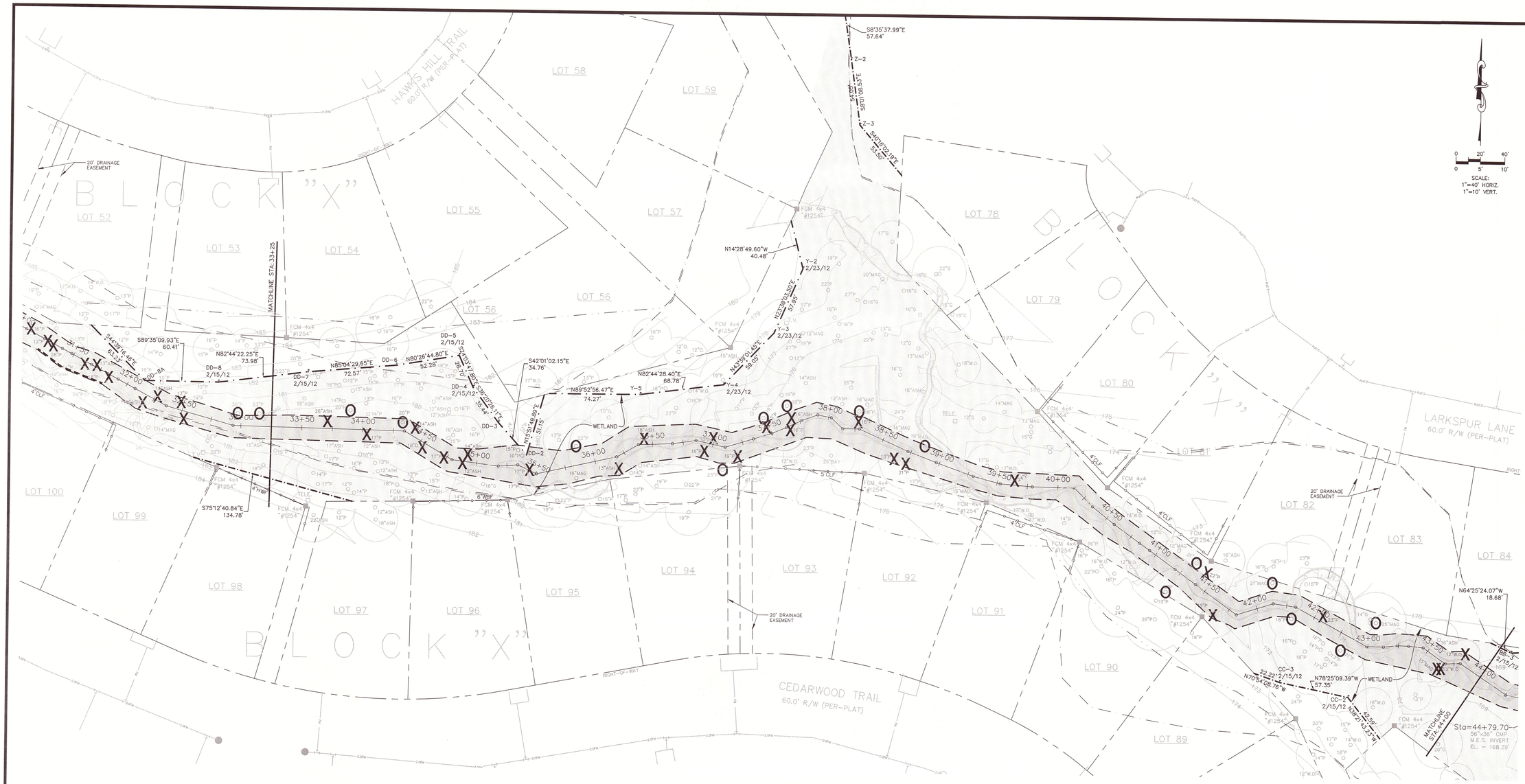

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3. LOCATE ALL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION AND PROTECT THEM FROM DAMAGE.
4. INSTALL SILT FENCE AS SHOWN. ADDITIONAL SILT FENCES MAY BE ADDED AS REQUESTED BY THE ENVIRONMENTAL INSPECTOR.
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13. SUBMIT AS-BUILT DRAWINGS TO ENGINEER TO PREPARE A COMPLIANCE REPORT.
14. REQUEST A FINAL INSPECTION FROM ALL APPLICABLE PERMIT AGENCIES.

LEGEND

FULL LEGEND SHOWN ON SHEET 100

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- TLCGIS ESA WETLANDS
- PROPOSED SILT FENCE
- PROPOSED LIMITS OF CONSTRUCTION
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JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET 105

WILLIAM K. JOHNSON
P.E. NO. 41040
Signature
Date 11/12/12
NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED ENGINEER

ORIGINAL NOV. 13, 2012
REVISIONS:
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TASK
Greenway U1-1
DEMOLITION
AND EROSION
CONTROL PLAN

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

CLIENT
LEON COUNTY
FLORIDA'S CAPITAL COUNTY

ATKINS
2639 N. Monroe St. Building C
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SHEET 106

WILLIAM K. JOHNSON
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TASK Greenway U1-1 DEMOLITION AND EROSION CONTROL PLAN

PROJECT Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

CLIENT LEON COUNTY FLORIDA'S CAPITAL COUNTY

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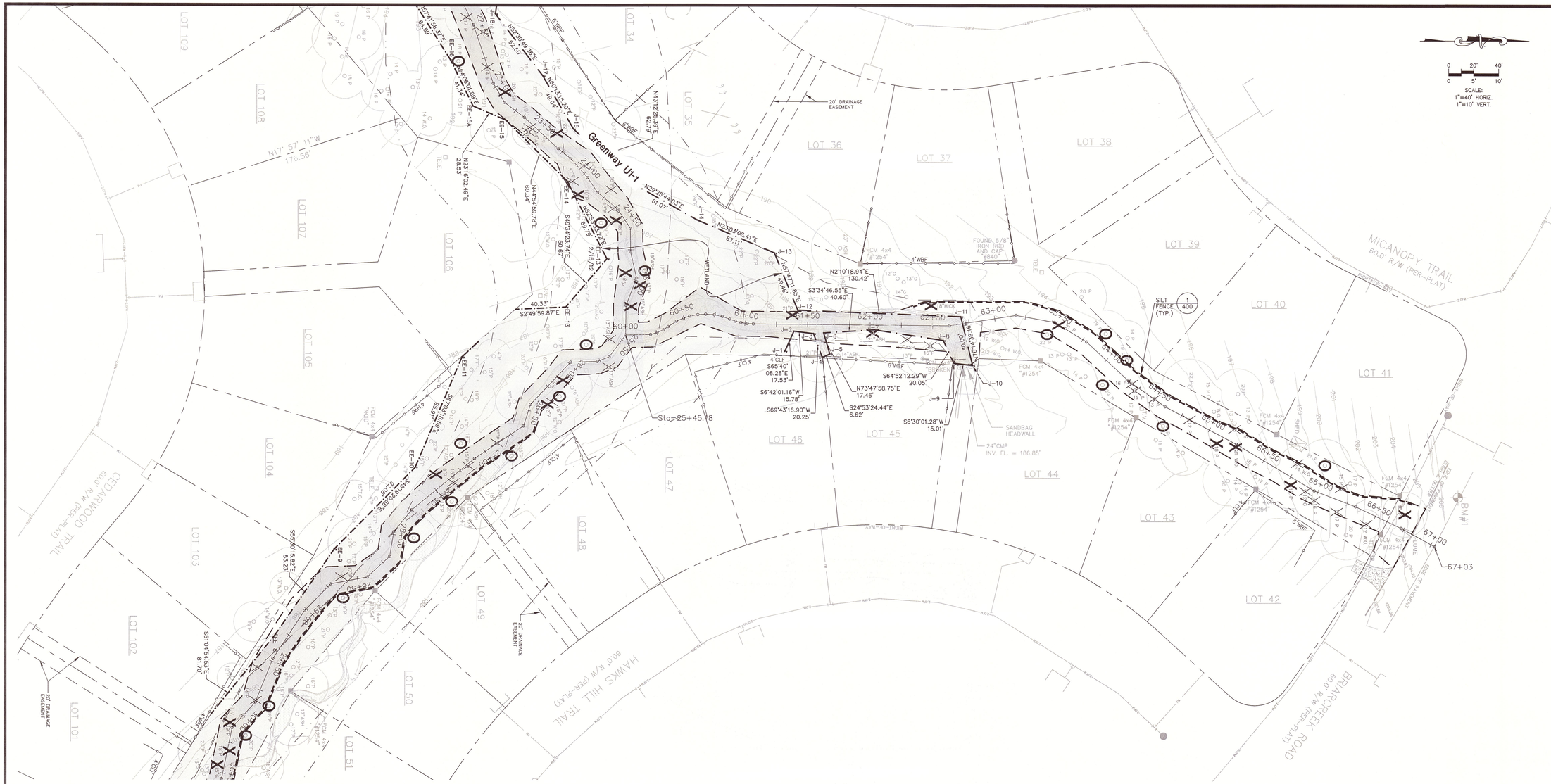

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JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET 107

WILLIAM K. JOHNSON
P.E. NO. 41040
Signature & Date
NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND SEALED

ORIGINAL NOV. 13, 2012
REVISIONS:
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TASK Greenway U1-2 DEMOLITION AND EROSION CONTROL PLAN

PROJECT Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

CLIENT LEON COUNTY FLORIDA'S CAPITAL COUNTY

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
FBPR Certificate of Authorization No. 24

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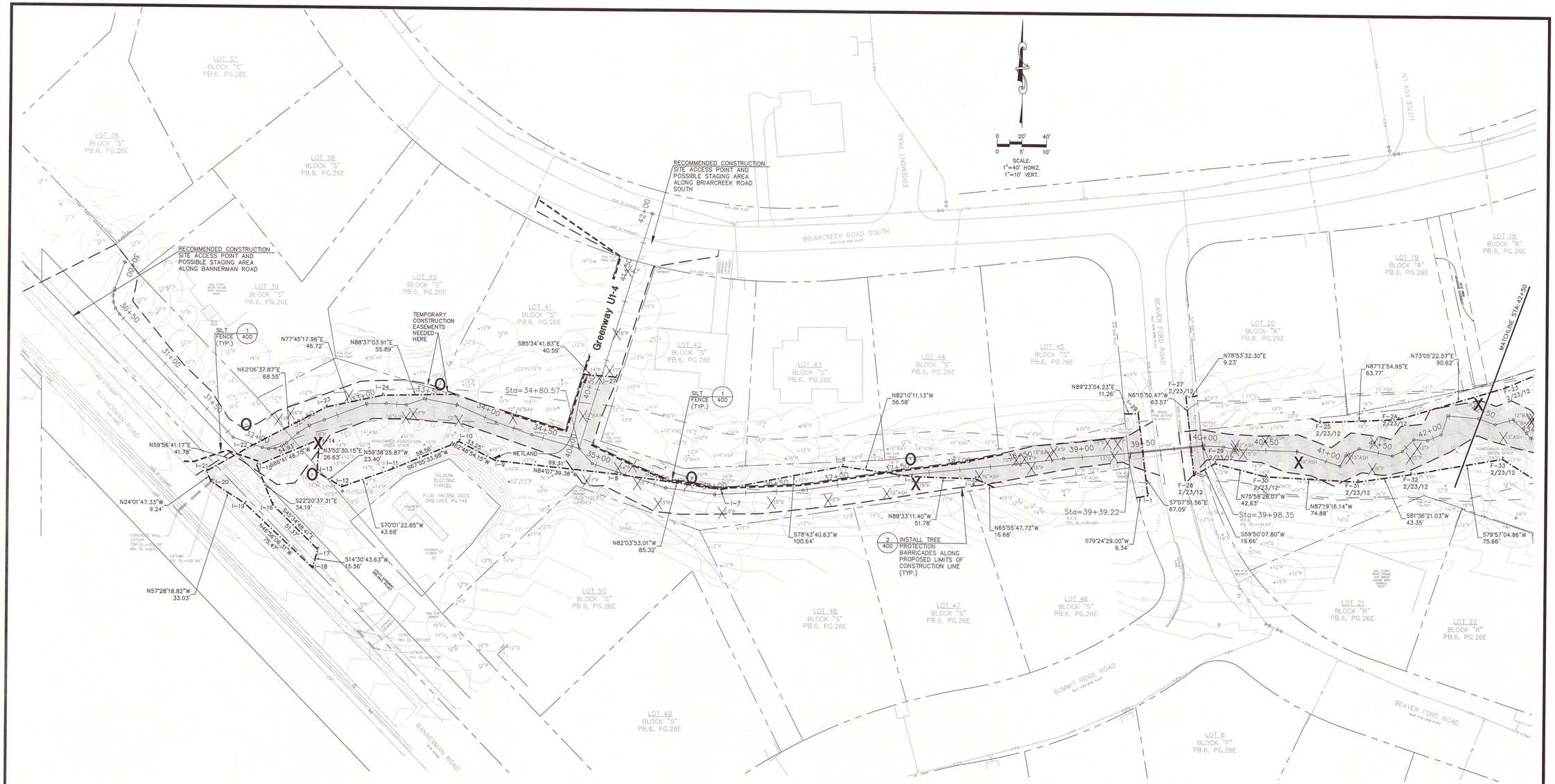

See Revised sheet 02/2015

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LEGEND

FULL LEGEND SHOWN ON SHEET 100

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JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET 108

WILLIAM K. JOHNSON P.E. NO. 41040
Signature Date
NOT VALID WITHOUT SIGNATURE AND ORIGINAL RAISED SEAL

ORIGINAL NOV. 13, 2012
REVISIONS:
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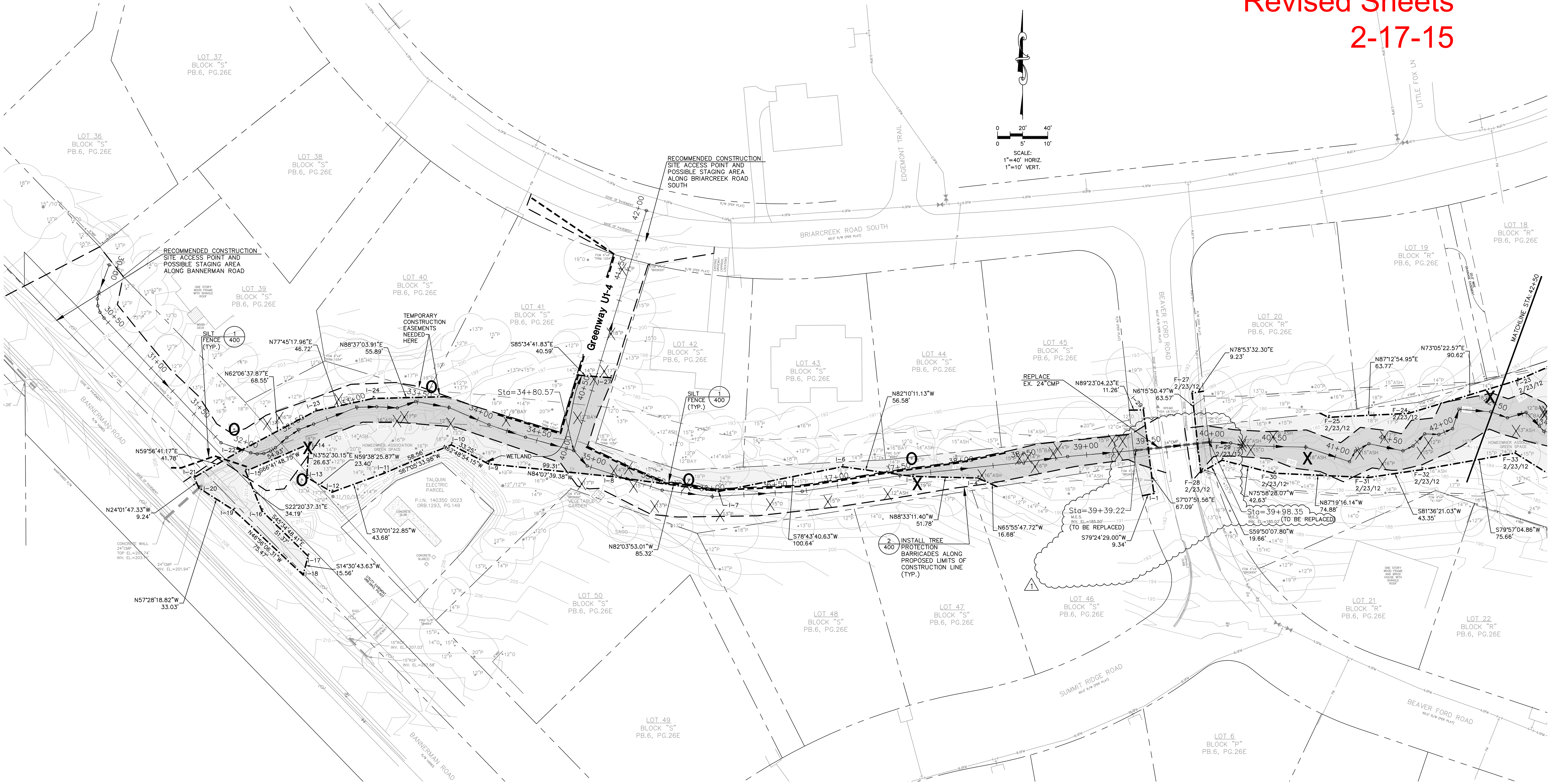
TASK Greenway UI-3 & UI-4 DEMOLITION AND EROSION CONTROL PLAN

PROJECT Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

CLIENT LEON COUNTY FLORIDA'S CAPITAL COUNTY

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
FBPR Certificate of Authorization No. 24

Revised Sheets
2-17-15



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JOB NO.	100014954
DRAWN	MR
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QC	

SHEET 108

WILLIAM K. JOHNSON LICENSE NO. 41040 STATE OF FLORIDA PROFESSIONAL ENGINEER

ORIGINAL NOV. 13, 2012
REVISIONS:
1 2/17/15
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TASK
Greenway U1-3 & U1-4 DEMOLITION AND EROSION CONTROL PLAN

PROJECT
Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

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JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET 109

WILLIAM K. JOHNSON
P.E. NO. 41040
Signature
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN BLUE INK

ORIGINAL NOV. 13, 2012
REVISIONS:
1
2
3
4
5

TASK
Greenway U1-3
& U1-5 DEMOLITION
AND EROSION
CONTROL PLAN

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

CLIENT
LEON COUNTY FLORIDA'S CAPITAL COUNTY

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
FBPR Certificate of Authorization No. 24

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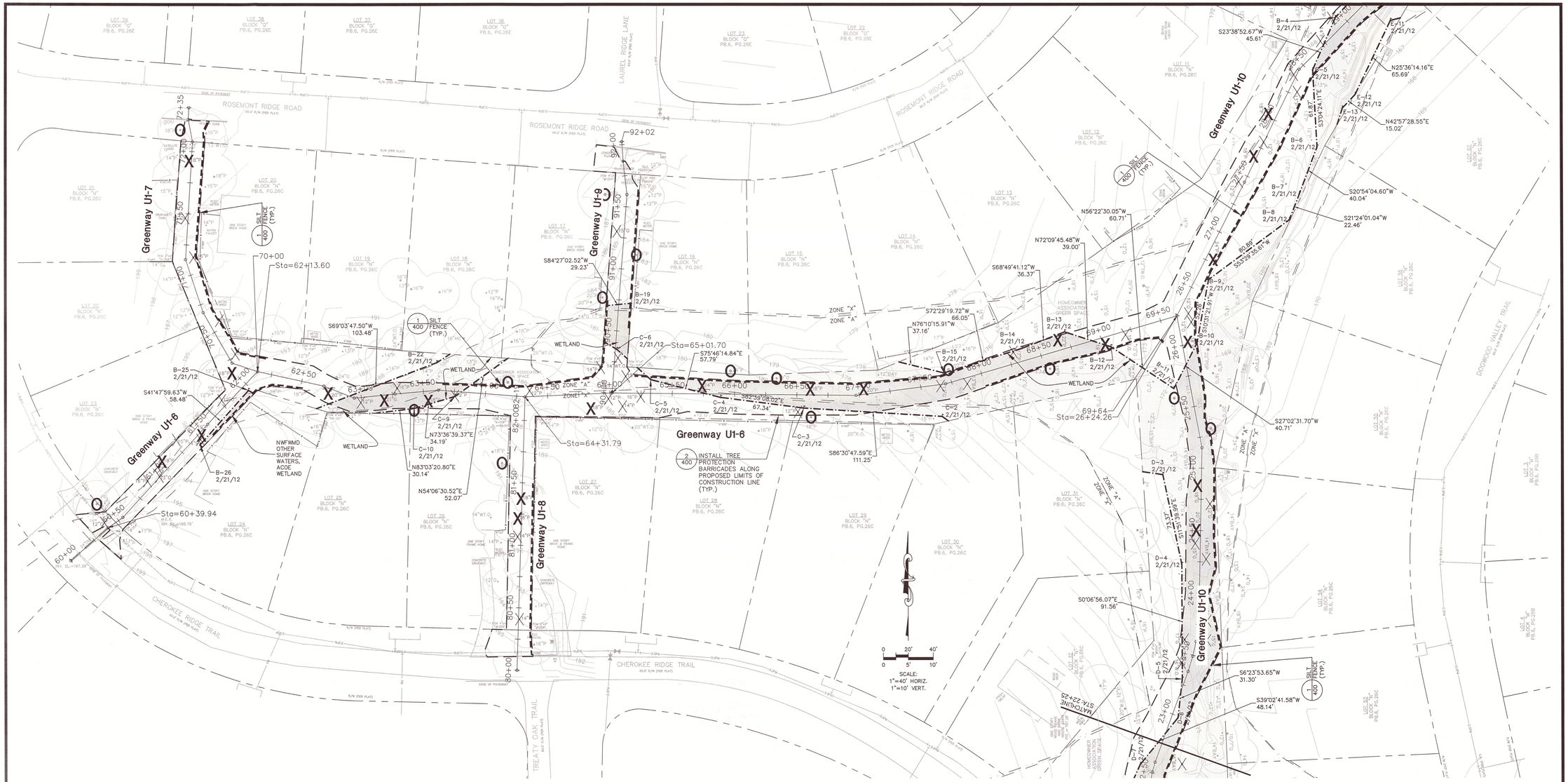

CONSTRUCTION SEQUENCE:

1. PRIOR TO BEGINNING CONSTRUCTION SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE APPROPRIATE PERMIT AGENCIES, AS DIRECTED BY LEON COUNTY PUBLIC WORKS.
2. STAKEOUT LIMITS OF CONSTRUCTION LINE, (20' WIDE MIN.-AS SHOWN) WHERE THERE ARE TREES, INSTALL TREE PROTECTION BARRICADES ALONG LIMITS OF CONSTRUCTION LINE. DO NOT DISTURB ANY AREAS OUTSIDE OF LIMITS OF CONSTRUCTION.
3. LOCATE ALL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION AND PROTECT THEM FROM DAMAGE.
4. INSTALL SILT FENCE AS SHOWN. ADDITIONAL SILT FENCES MAY BE ADDED AS REQUESTED BY THE ENVIRONMENTAL INSPECTOR.
5. INSTALL HAY BALES EVERY 100' DOWNSTREAM OF CONSTRUCTION ACTIVITY AS SHOWN. MAINTAIN AND REPAIR SILT FENCES UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETE, AND STABILIZED.
6. THE CONTRACTOR WILL FOLLOW THE ARBORICULTURAL MITIGATION PLAN DESCRIBED ON SHEET L2.0 FOR ALL TREES WITHIN THE LIMITS OF CONSTRUCTION, AND ALL POTENTIALLY IMPACTED TREES.
7. NO OFF-SITE ADVERSE IMPACTS FROM CONSTRUCTION EQUIPMENT ENTERING AND LEAVING THE SITE IS ALLOWED. CONTRACTOR SHALL INSTALL SOIL TRACKING PREVENTION DEVICES PER FDOT INDEX 106 TO THE EXTENT THAT IT IS PRACTICAL. ALL MATERIALS SPILLED, DROPPED, OR TRACKED ONTO ANY ROADS SHALL BE REMOVED DAILY.
8. CLEAR AND GRUB SITE, REMOVE TREES, AND DEMOLISH OR RELOCATE FENCES, ETC. AS SHOWN.
9. INSTALL SWALES AND STORMWATER PIPES AS SHOWN.
10. LANDSCAPE AND SOD ALL DISTURBED AREAS AS DIRECTED BY LEON COUNTY PUBLIC WORKS.
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12. REMOVE EROSION CONTROLS AND TREE PROTECTION BARRICADES.
13. SUBMIT AS-BUILT DRAWINGS TO ENGINEER TO PREPARE A COMPLIANCE REPORT.
14. REQUEST A FINAL INSPECTION FROM ALL APPLICABLE PERMIT AGENCIES.

LEGEND

FULL LEGEND SHOWN ON SHEET 100

- FEMA FIRM FLOODPLAIN ZONE "A"
- TLCGIS ESA WETLANDS
- PROPOSED SILT FENCE
- PROPOSED LIMITS OF CONSTRUCTION
- PROPOSED IMPACTS TO WETLANDS OR OTHER SURFACE WATERS
- FIELD LOCATED WETLAND OR OTHER SURFACE WATERS FLAGS AND LINES
- NWFWMD AND ACOE WETLAND UNLESS OTHERWISE NOTED
- EXISTING 12"-17" TREES TO BE REMOVED. (TYP.)
- EXISTING 18" OR LARGER TREES TO BE REMOVED. (TYP.)
- EXISTING 18" OR LARGER TREE TO BE IMPACTED. (60% OF CPZ ENCROACHMENT)

NOTE:
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JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET 110

WILLIAM K. JOHNSON
P.E. NO. 41040
Signature
NOT VALID FOR CONSTRUCTION UNLESS SIGNED & SEALED

ORIGINAL NOV. 13, 2012
REVISIONS:
1
2
3
4
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TASK Greenway U1-6, 7, 8, & 9 DEMOLITION AND EROSION CONTROL PLAN

PROJECT Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

CLIENT LEON COUNTY FLORIDA'S CAPITAL COUNTY

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
FBPR Certificate of Authorization No. 24

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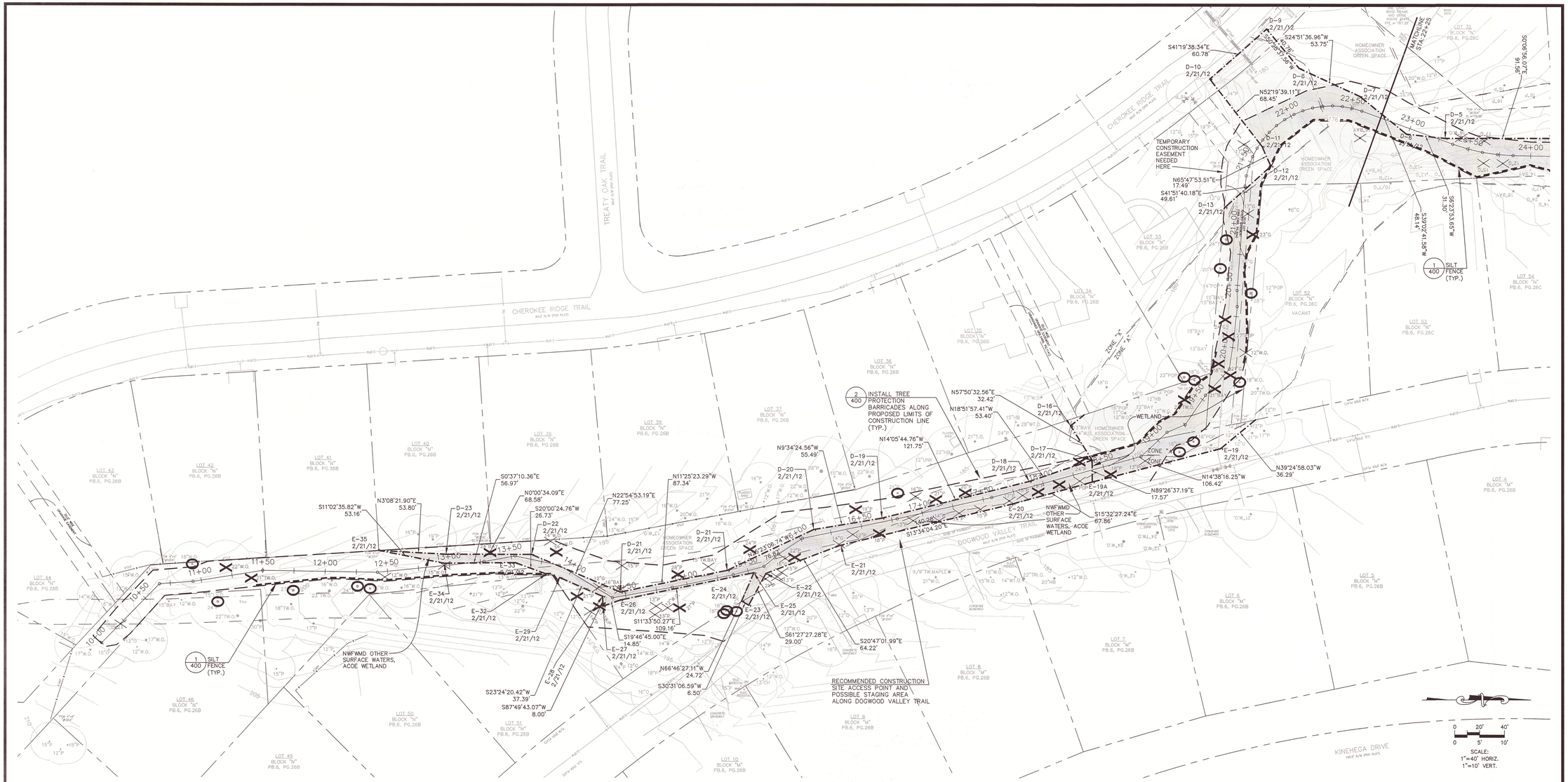

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5. INSTALL HAY BALES EVERY 100' DOWNSTREAM OF CONSTRUCTION ACTIVITY AS SHOWN. MAINTAIN AND REPAIR SILT FENCES UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETE, AND STABILIZED.
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LEGEND

FULL LEGEND SHOWN ON SHEET 100

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- TLCGIS ESA WETLANDS
- PROPOSED SILT FENCE
- PROPOSED LIMITS OF CONSTRUCTION
- PROPOSED IMPACTS TO WETLANDS OR OTHER SURFACE WATERS
- FIELD LOCATED WETLAND OR OTHER SURFACE WATERS FLAGS AND LINES
- WETLAND — NWFWMD AND ACOE WETLAND UNLESS OTHERWISE NOTED
- X — EXISTING 12"-17" TREES TO BE REMOVED. (TYP.)
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JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET 111

WILLIAM K. JOHNSON
P.E. NO. 41040
Signature and Seal Required
NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED ENGINEER

ORIGINAL NOV. 13, 2012
REVISIONS:
1
2
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TASK
Greenway U1-10
DEMOLITION
AND EROSION
CONTROL PLAN

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

CLIENT
LEON COUNTY FLORIDA'S CAPITAL COUNTY

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
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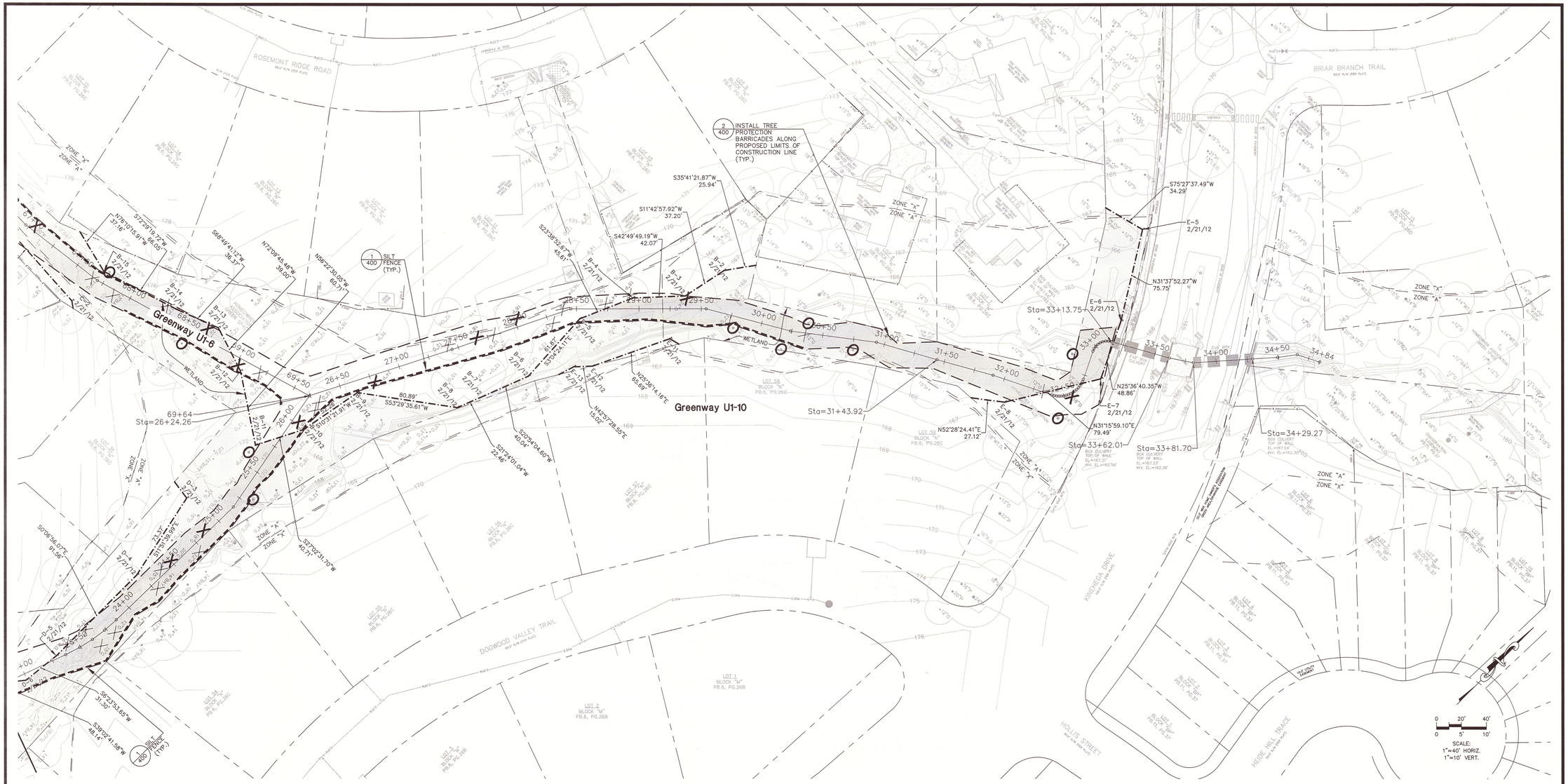

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LEGEND

FULL LEGEND SHOWN ON SHEET 100

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- TLCGIS ESA WETLANDS
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- PROPOSED LIMITS OF CONSTRUCTION
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JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET 112

WILLIAM K. JOHNSON
P.E. NO. 41040
Signature
Date
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

ORIGINAL NOV. 13, 2012
REVISIONS:
1
2
3
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TASK
Greenway U1-10 DEMOLITION AND EROSION CONTROL PLAN

PROJECT
Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

CLIENT
LEON COUNTY FLORIDA'S CAPITAL COUNTY

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
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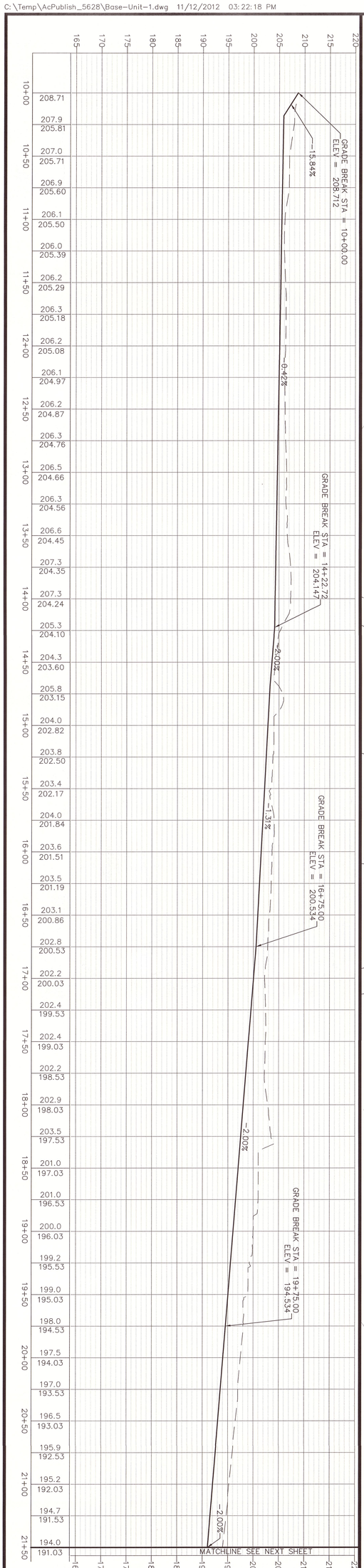

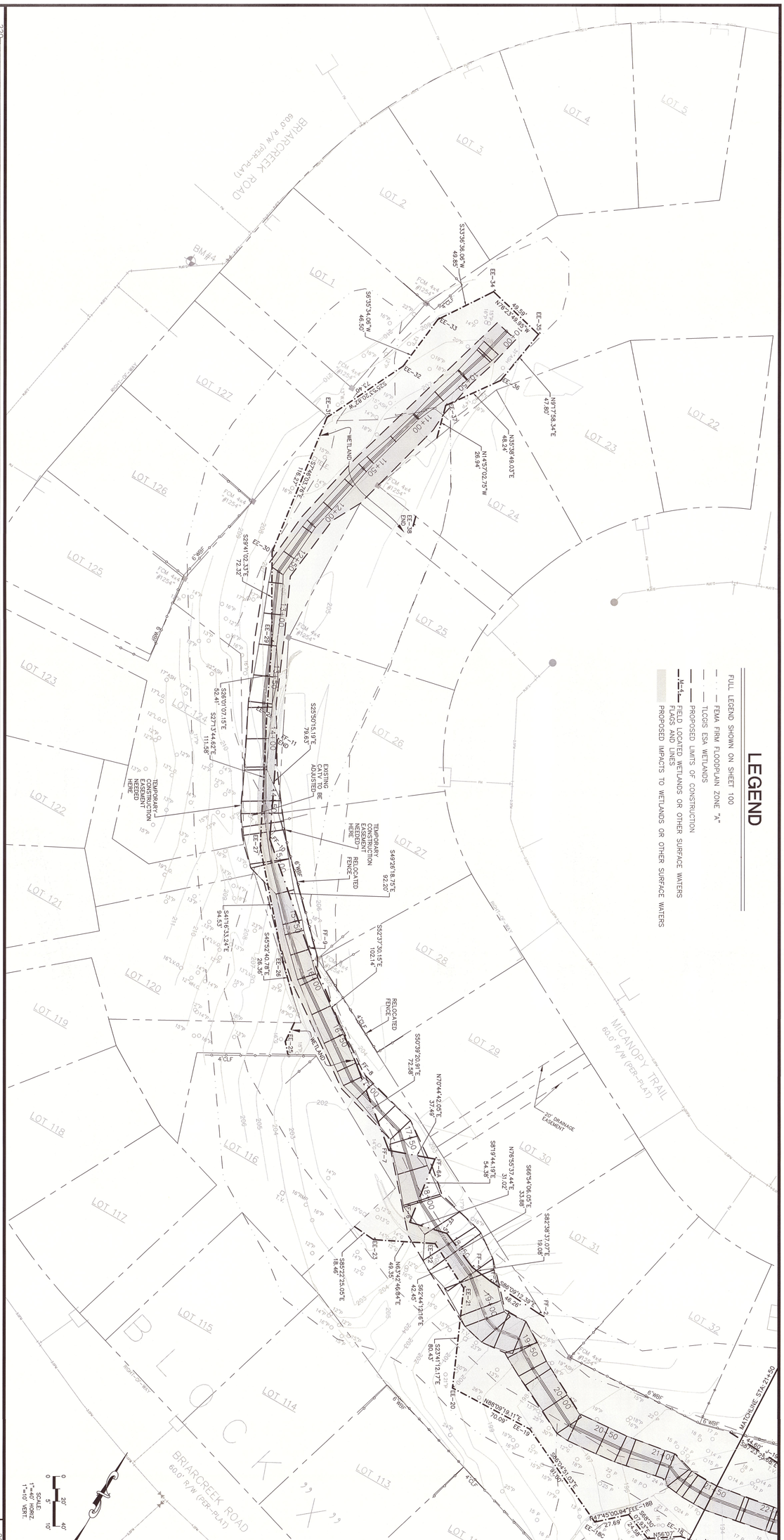

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CLIENT
LEON
FLORIDA'S CAPITAL COUNTY

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

TASK
Greenway U1-1
DRAINAGE
PLAN AND PROFILE

ORIGINAL NOV. 13, 2012
REVISIONS:
1
2
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4
5

WILLIAM K. JOHNSON
P.E. NO. 41040
Signature Date
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JOB NO. 100014954
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SHEET 113

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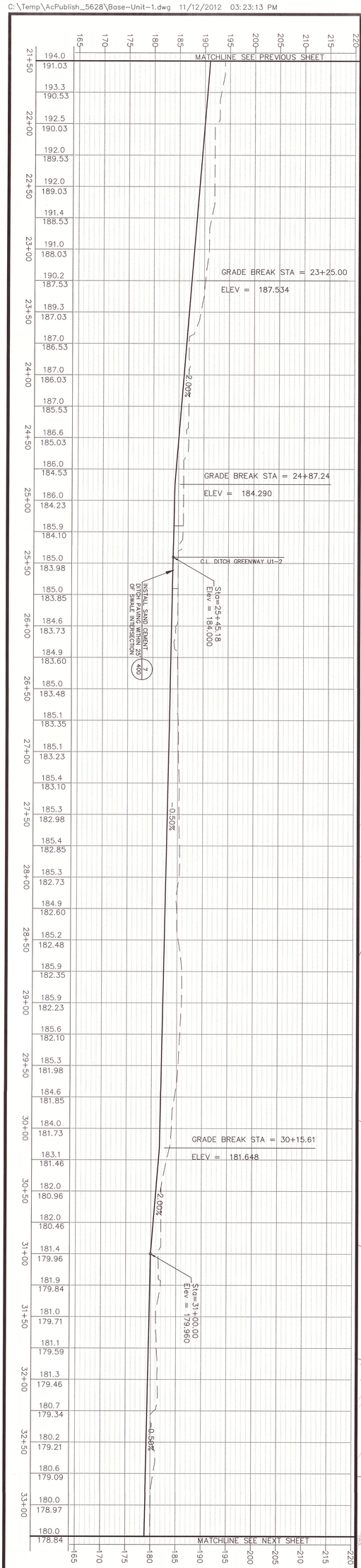

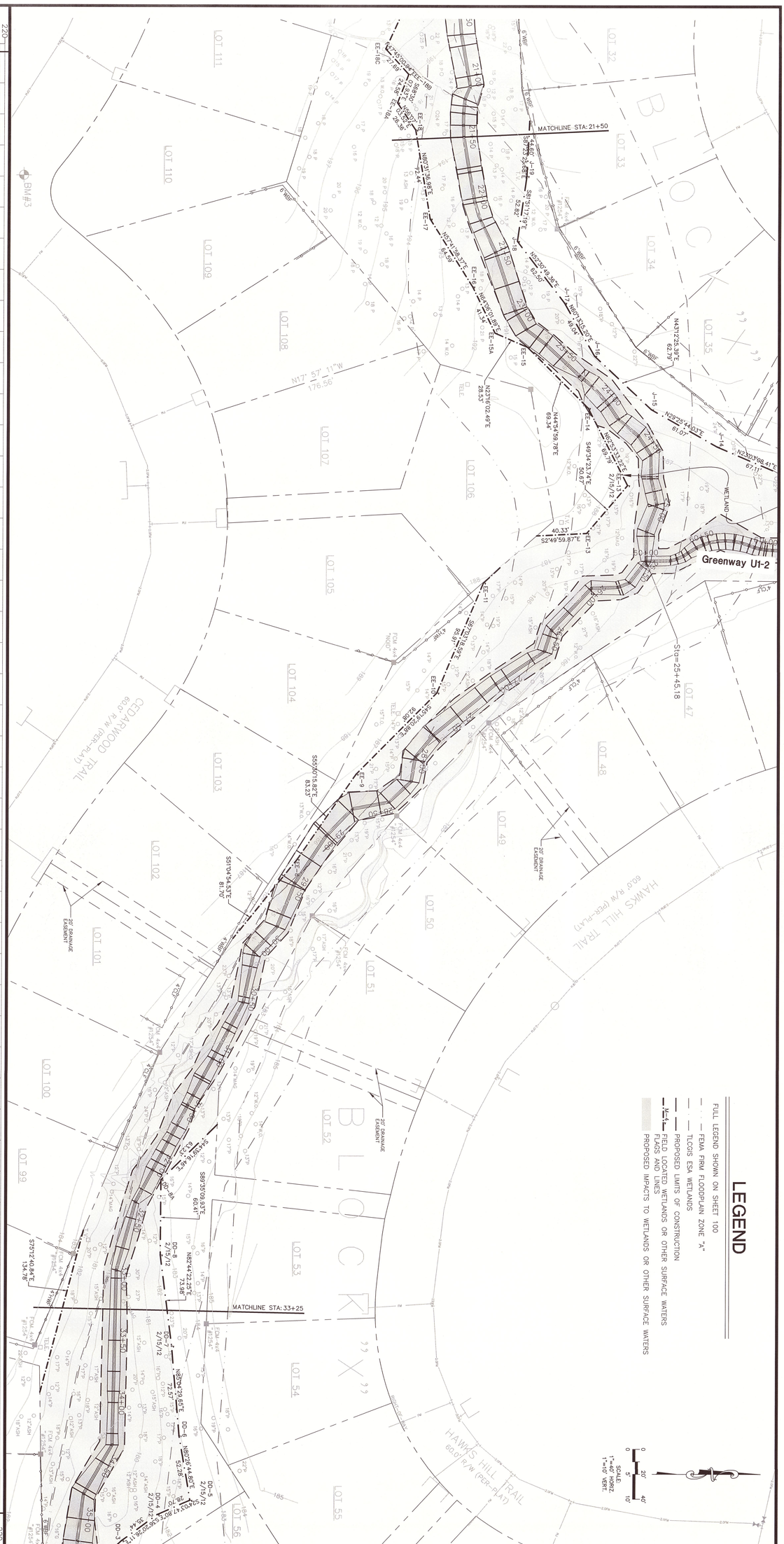

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
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FBPR Certificate of Authorization No. 24

CLIENT: LEON COUNTY, FLORIDA'S CAPITAL COUNTY

PROJECT: Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

TASK: Greenway U1-1 DRAINAGE PLAN AND PROFILE

ORIGINAL NOV. 13, 2012
REVISIONS:
1
2
3
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5

WILLIAM K. JOHNSON
P.E. NO. 41040
Signature
Date
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JOB NO. 100014954
DRAWN MR
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CHECKED WKJ
QC

SHEET 114

Revised Sheets
2-17-15

LEGEND

FULL LEGEND SHOWN ON SHEET 100

- FEMA FIRM FLOODPLAIN ZONE "A"
- TLCGIS ESA WETLANDS
- PROPOSED LIMITS OF CONSTRUCTION
- FIELD LOCATED WETLANDS OR OTHER SURFACE WATERS FLAGS AND LINES
- PROPOSED IMPACTS TO WETLANDS OR OTHER SURFACE WATERS

SCALE:
1"=40' HORIZ.
1"=10' VERT.

Greenway U1-2

Sta=25+45.18

WETLAND

HAWKS HILL TRAIL
60.0' R/W (PER-PLAT)

CEDARWOOD TRAIL
60.0' R/W (PER-PLAT)

20' DRAINAGE EASEMENT

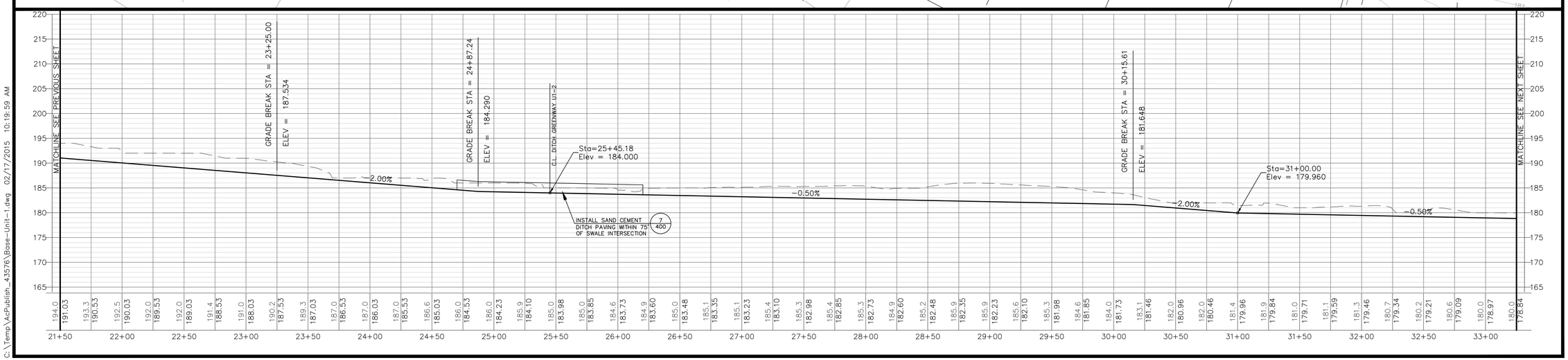
MATCHLINE STA:21+50

MATCHLINE STA:33+25

BLOCK "X"

LOT 32, LOT 33, LOT 34, LOT 35, LOT 47, LOT 48, LOT 49, LOT 50, LOT 51, LOT 52, LOT 53, LOT 54, LOT 55, LOT 56, LOT 100, LOT 101, LOT 102, LOT 103, LOT 104, LOT 105, LOT 106, LOT 107, LOT 108, LOT 109, LOT 110, LOT 111

BM#3



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JOB NO. 100014954
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DESIGNED GCB
CHECKED WKJ
QC
SHEET 114

WILLIAM K. JOHNSON
LICENSED
NO. 41040
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ORIGINAL NOV. 13, 2012
REVISIONS:
1 2 3 4 5

TASK
Greenway U1-1
DRAINAGE
PLAN AND PROFILE

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

CLIENT
LEON COUNTY
FLORIDA'S CAPITAL COUNTY

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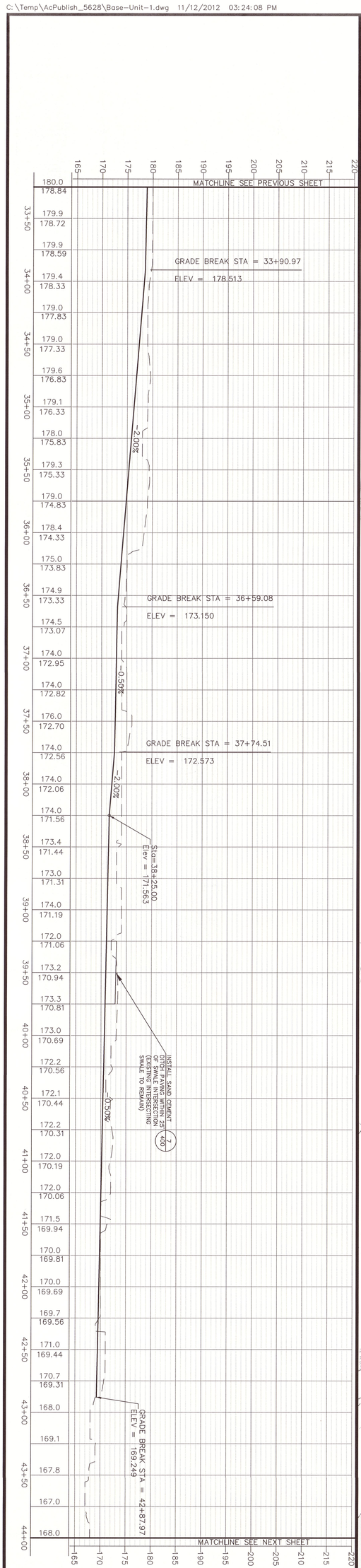

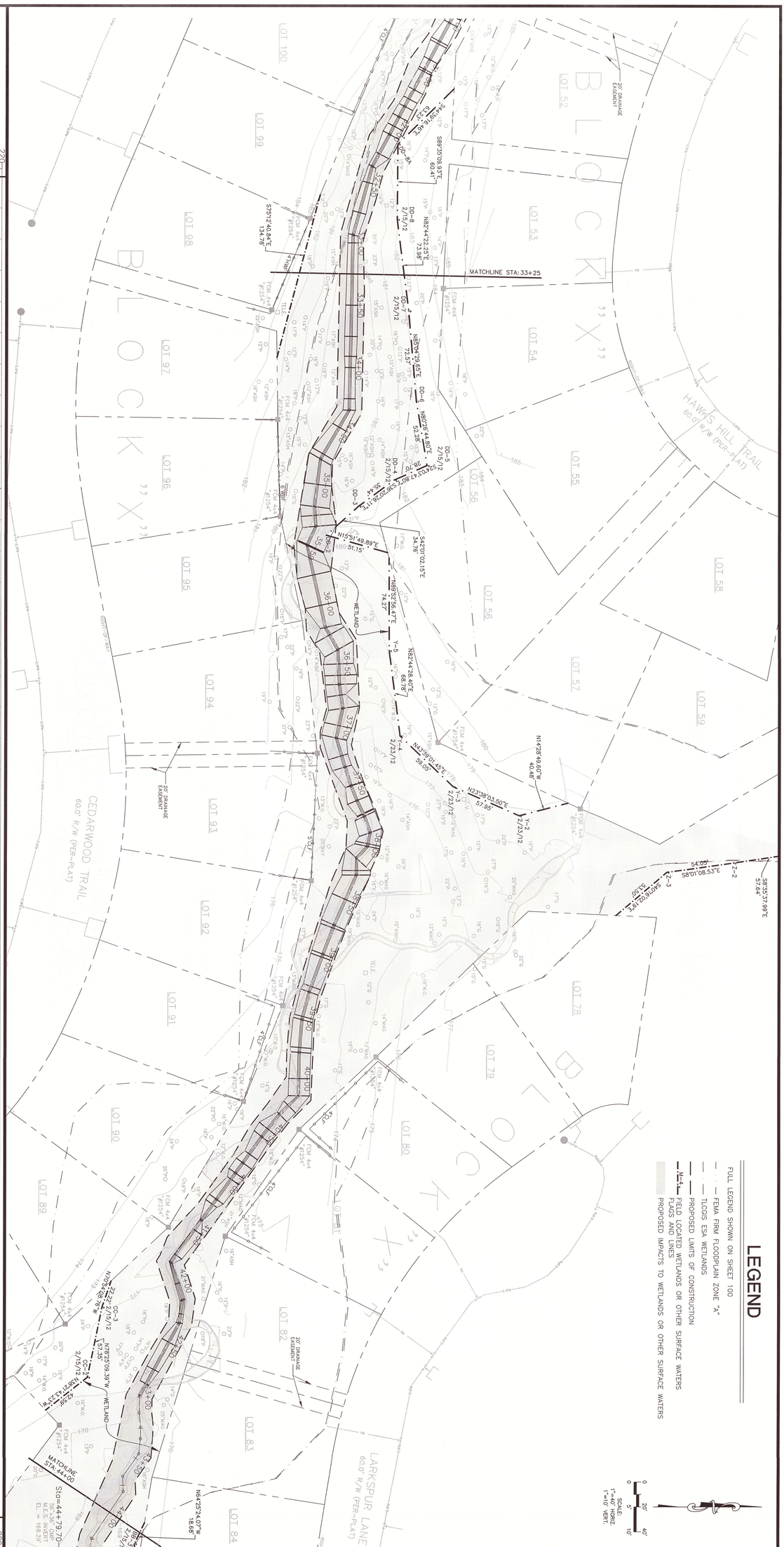

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CLIENT: LEON COUNTY, FLORIDA'S CAPITAL COUNTY

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

TASK
Greenway U1-1
DRAINAGE
PLAN AND PROFILE

ORIGINAL NOV. 13, 2012
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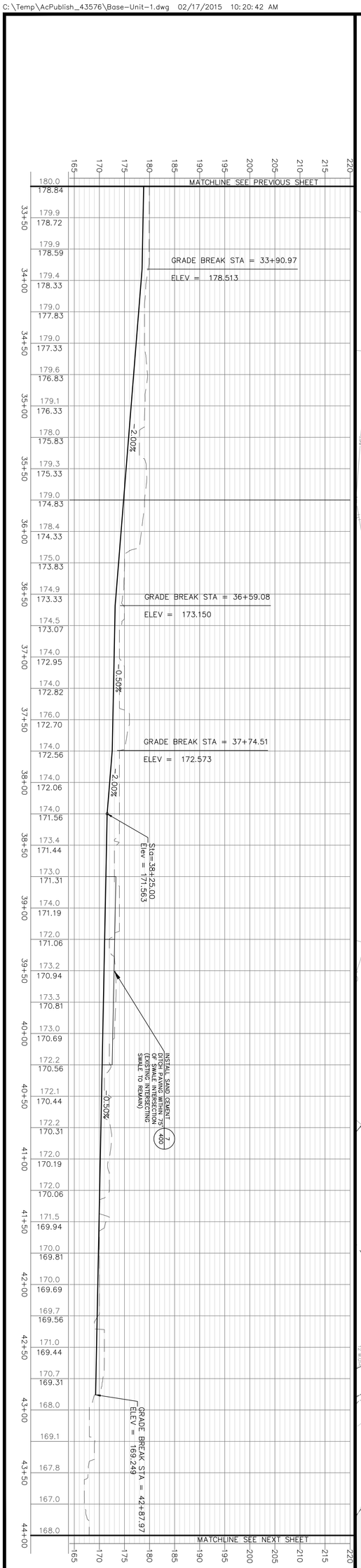

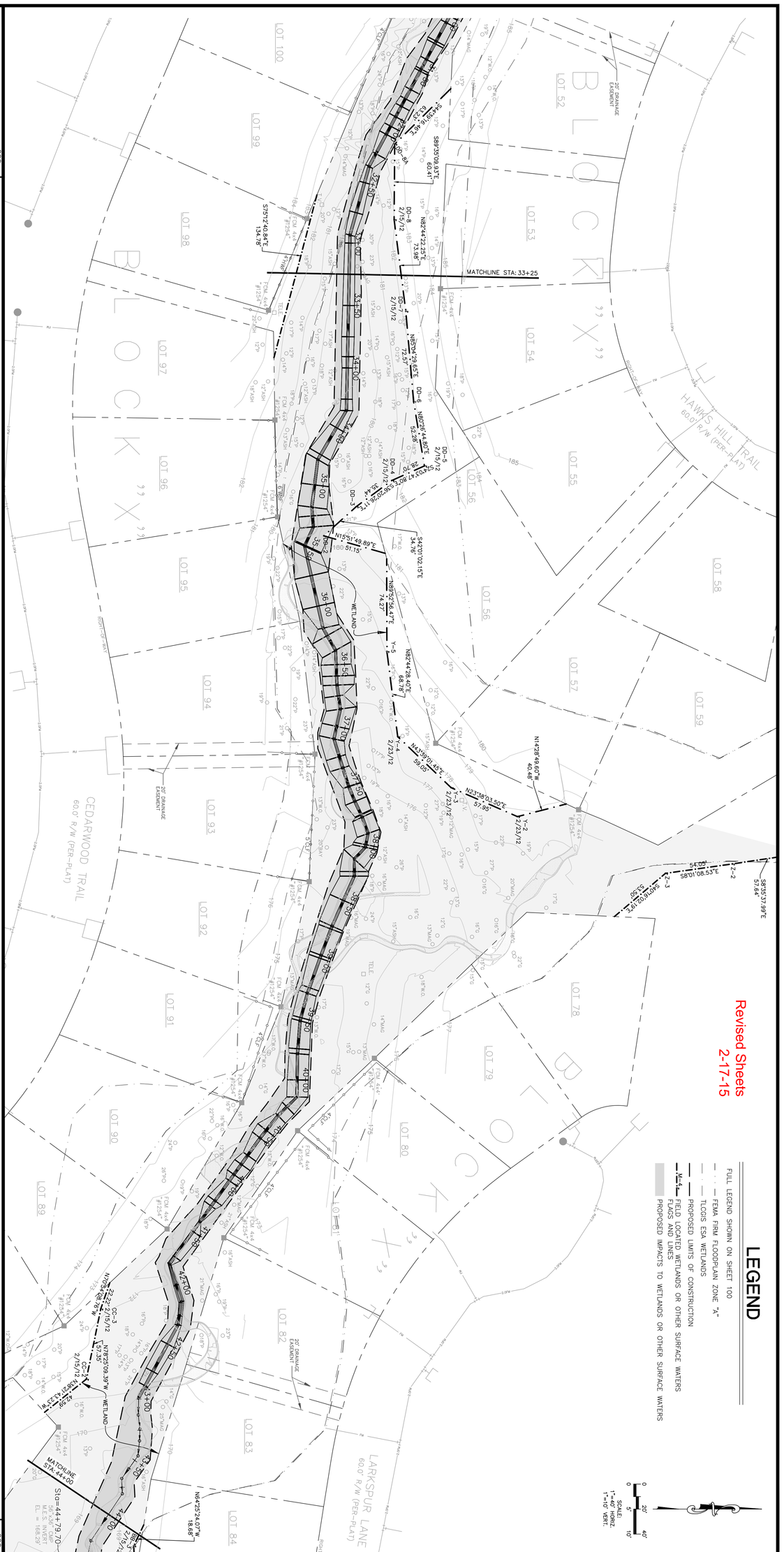

Revised Sheets
2-17-15

LEGEND

FULL LEGEND SHOWN ON SHEET 100

- · - · — FEMA FIRM FLOODPLAIN ZONE "A"
- — — — TLCGIS ESA WETLANDS
- ——— PROPOSED LIMITS OF CONSTRUCTION
- M-1 FIELD LOCATED WETLANDS OR OTHER SURFACE WATERS FLAGS AND LINES
- PROPOSED IMPACTS TO WETLANDS OR OTHER SURFACE WATERS

SCALE:
1"=40' HORIZ.
1"=40' VERT.

0 20 40
10'

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CLIENT: LEON — FLORIDA'S CAPITAL COUNTY

PROJECT: Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

TASK: Greenway U1-1 DRAINAGE PLAN AND PROFILE

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WILLIAM K. JOHNSON LICENSE NO. 41040 STATE OF FLORIDA PROFESSIONAL ENGINEER

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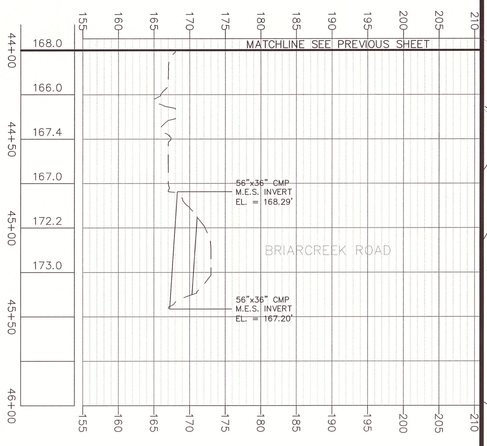

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0 20' 40'
0 5 10'

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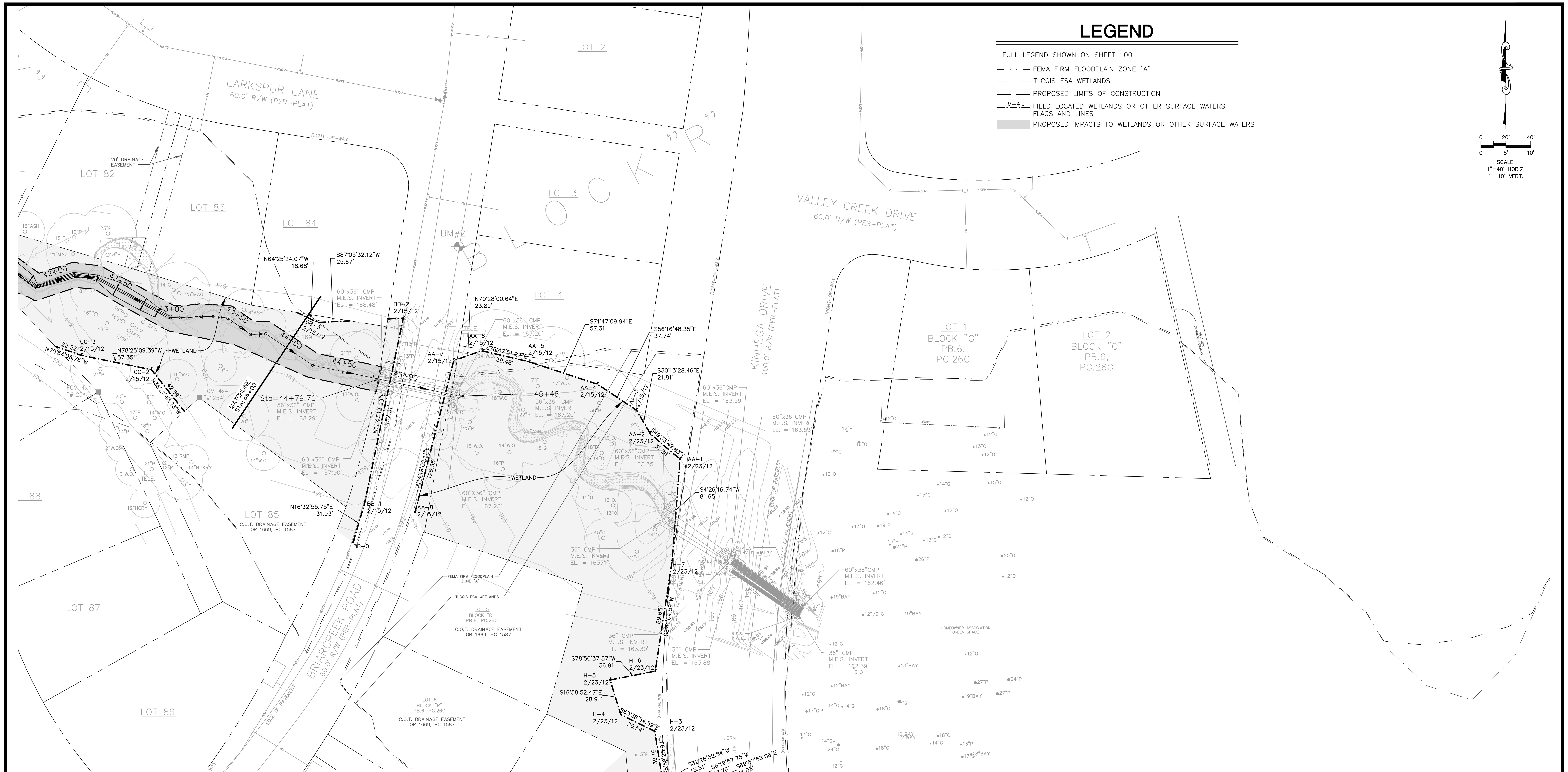
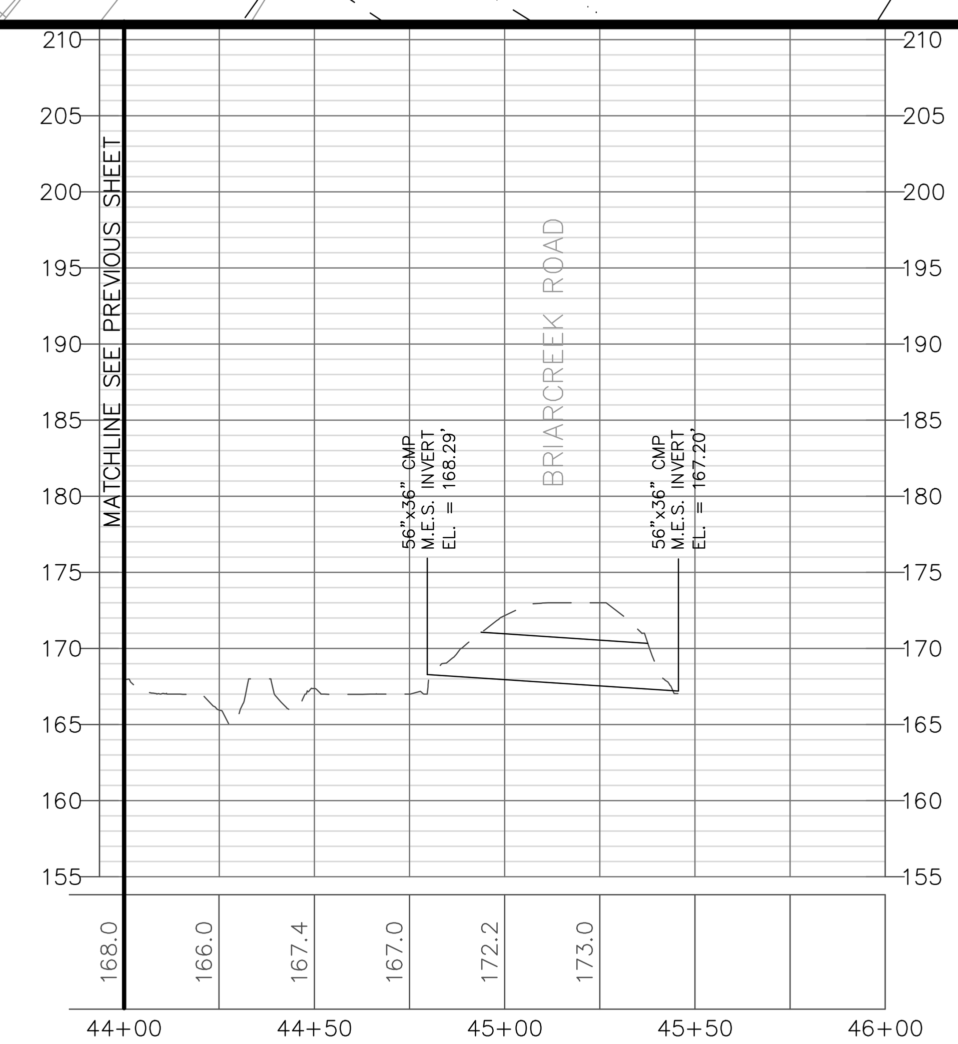
2-17-15





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JOB NO.	100014954
DRAWN	MR
DESIGNED	GCB
CHECKED	WKJ
QC	

SHEET 116

WILLIAM K. JOHNSON LICENSE NO. 41040 STATE OF FLORIDA PROFESSIONAL ENGINEER

ORIGINAL NOV. 13, 2012
REVISIONS:
1
2
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5

TASK
Greenway U1-1
DRAINAGE
PLAN AND PROFILE

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

CLIENT
LEON COUNTY FLORIDA'S CAPITAL COUNTY

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
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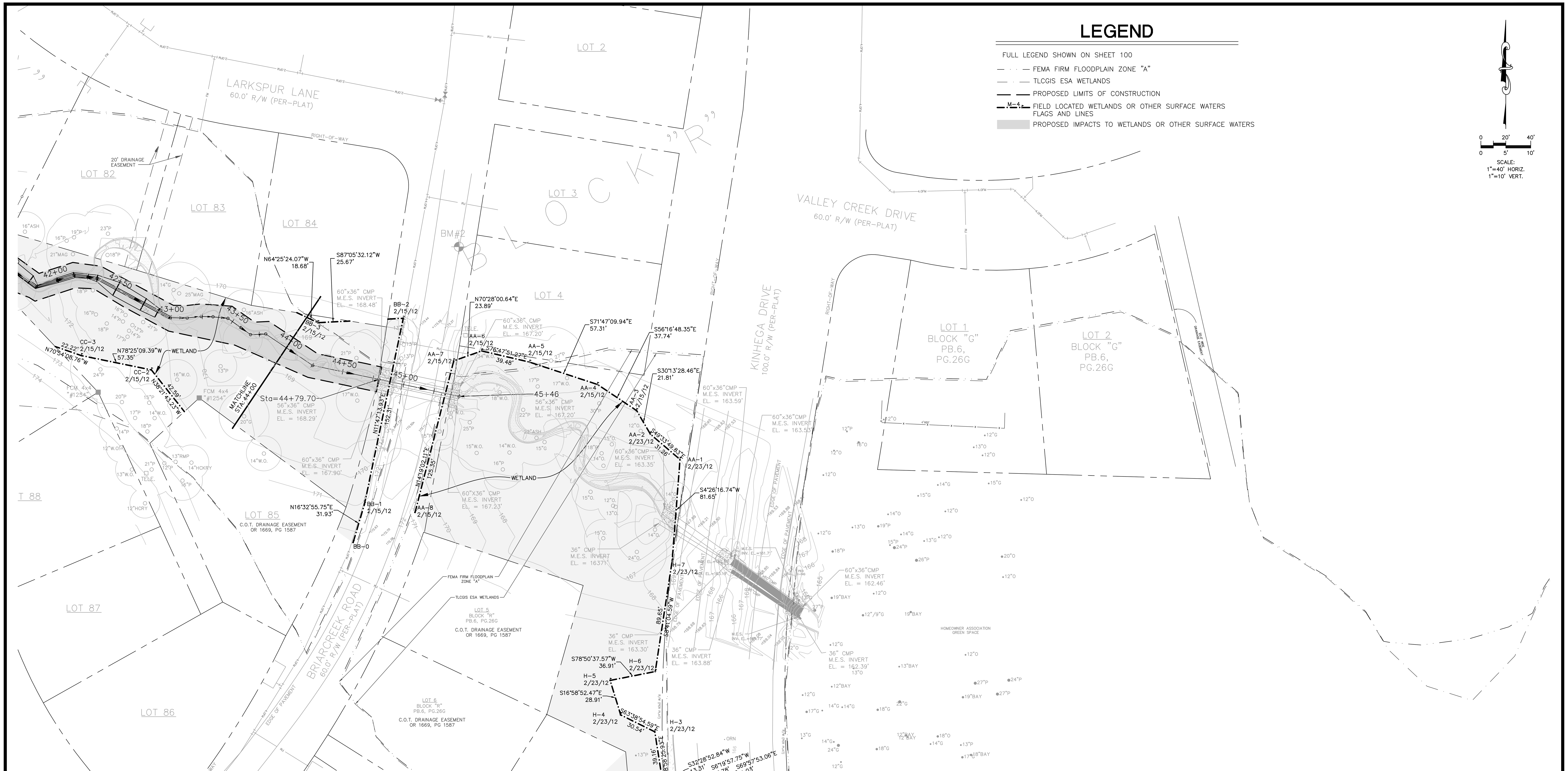
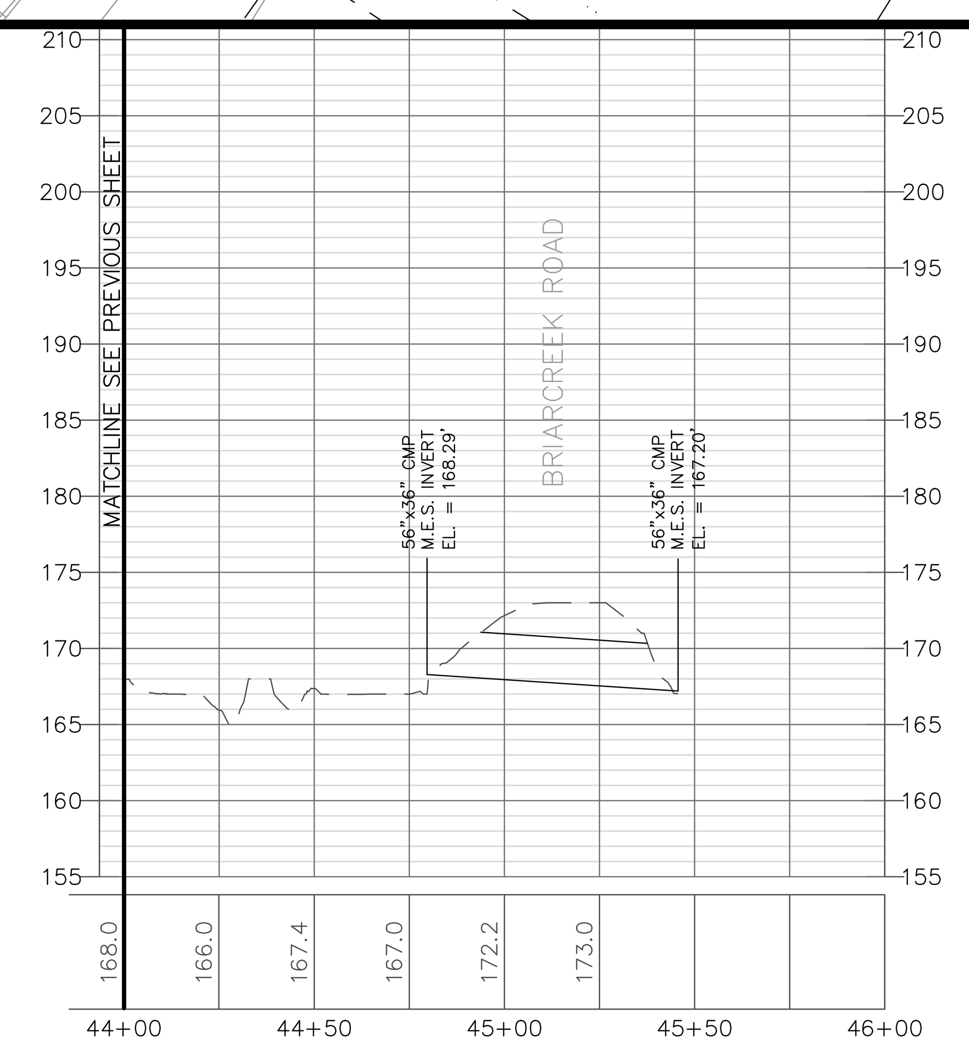
2-17-15





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CHECKED	WKJ
QC	

SHEET 116

WILLIAM K. JOHNSON LICENSE NO. 41040 STATE OF FLORIDA PROFESSIONAL ENGINEER

ORIGINAL NOV. 13, 2012
REVISIONS: 1 2 3 4 5

TASK
Greenway U1-1
DRAINAGE
PLAN AND PROFILE

PROJECT
Killearn Lakes Greenways
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Plans - Phase 1

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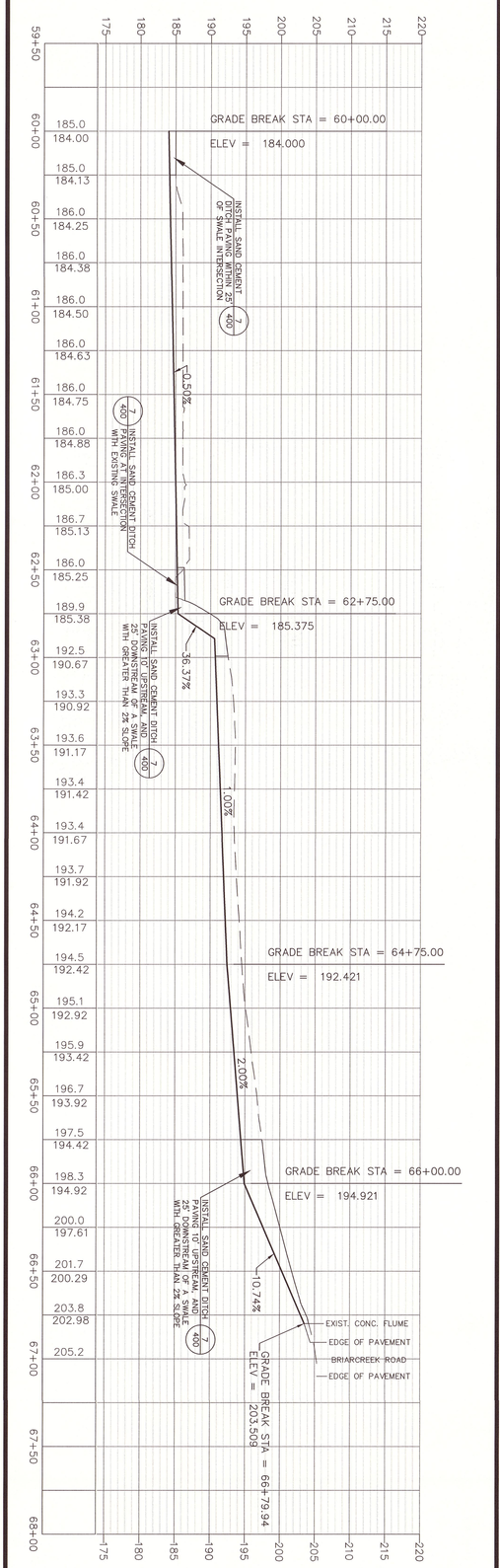
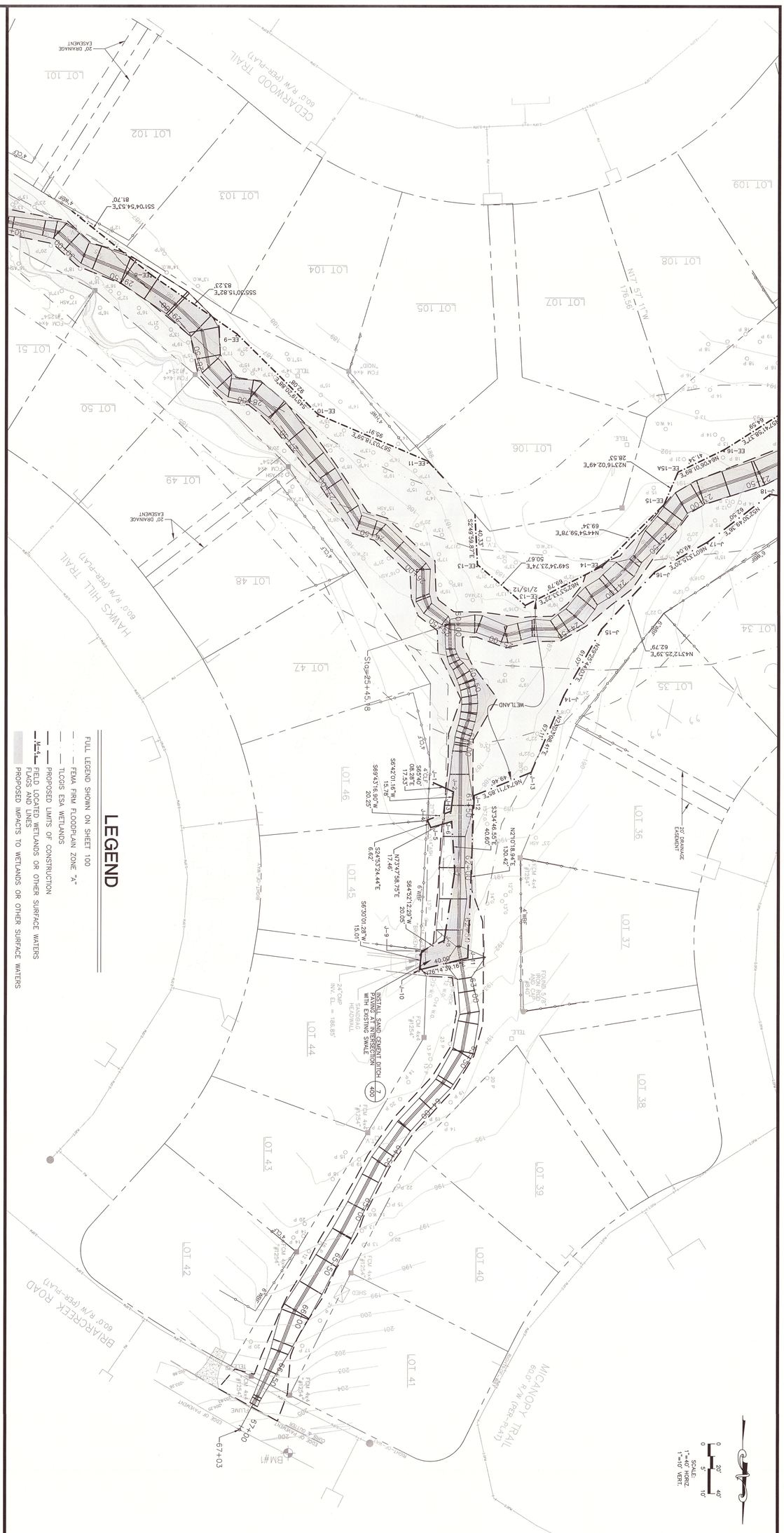
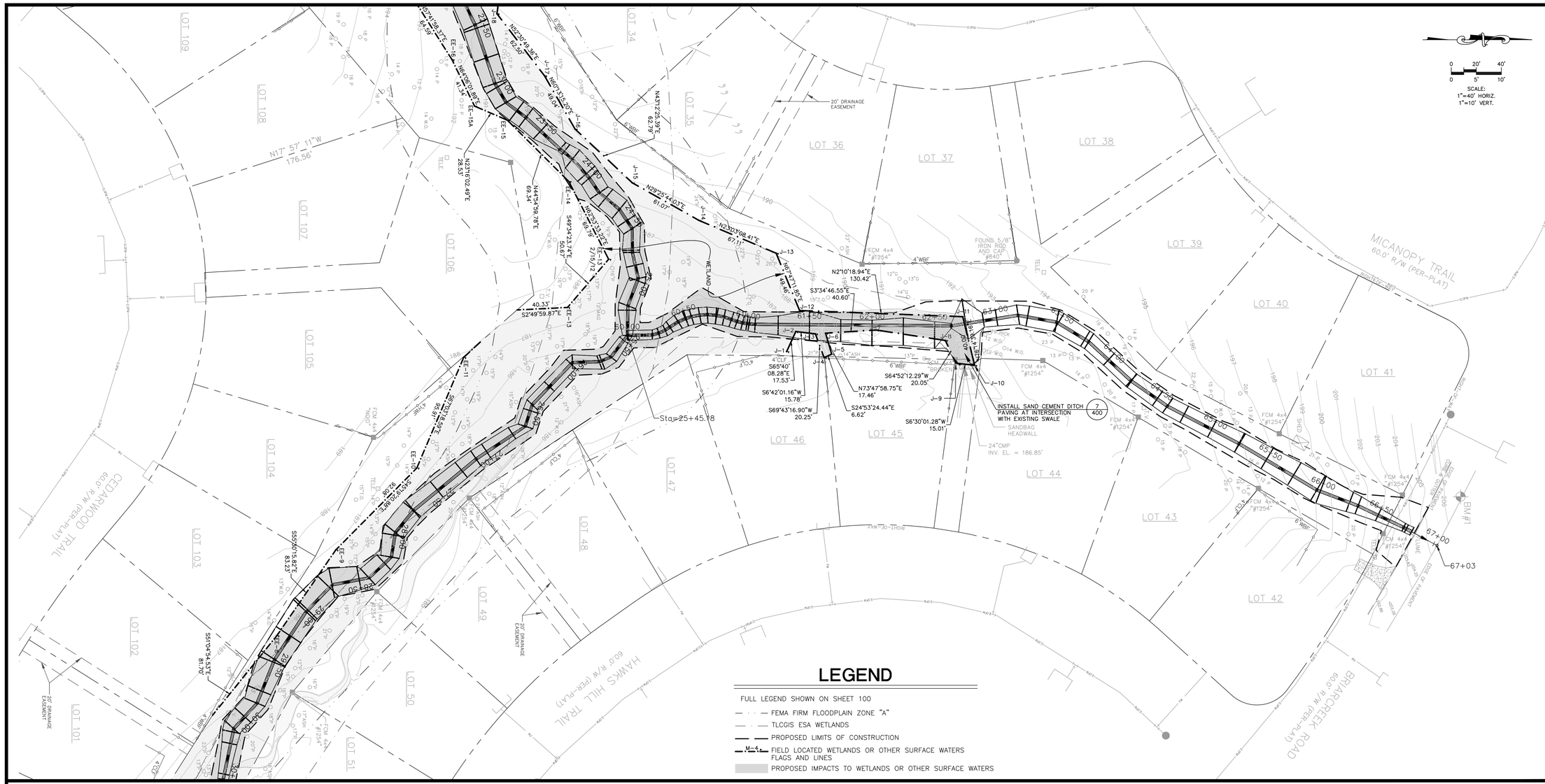




ATKINS 2639 N. Monroe St. Building C Tallahassee, Florida 32303 850.575.1800 FBPR Certificate of Authorization No. 24	CLIENT LEON FLORIDA'S CAPITAL COUNTY	PROJECT Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1	TASK Greenway U1-2 DRAINAGE PLAN AND PROFILE	ORIGINAL NOV. 13, 2012 REVISIONS: 1 2 3 4 5	WILLIAM K. JOHNSON P.E. NO. 41040 Signature Date NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK	JOB NO. 100014954 DRAWN MR DESIGNED GCB CHECKED WKJ QC SHEET 117

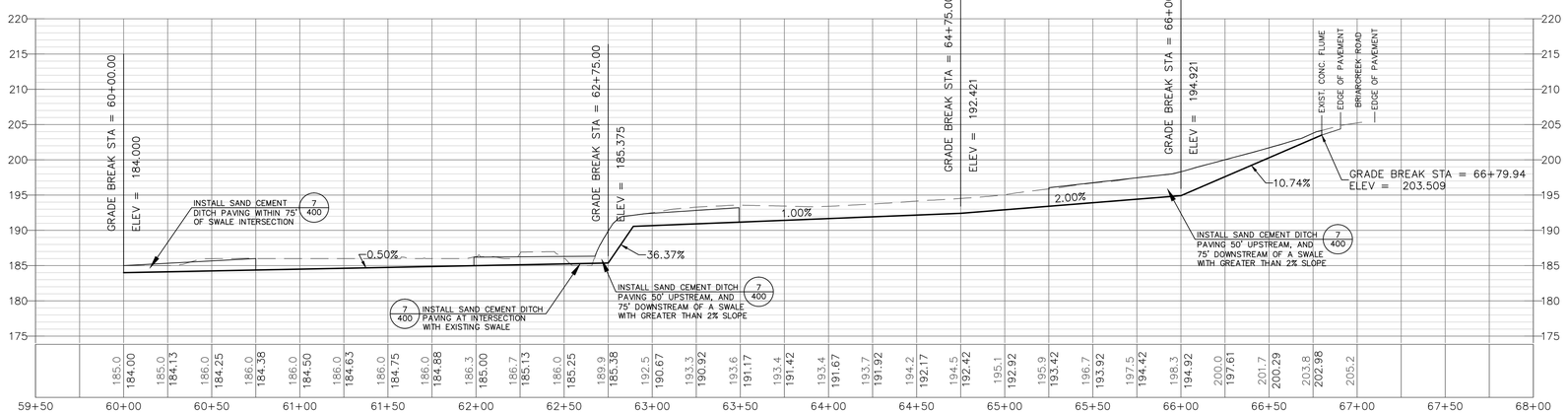
Revised Sheets
2-17-15



LEGEND

FULL LEGEND SHOWN ON SHEET 100

- FEMA FIRM FLOODPLAIN ZONE "A"
- TLCGIS ESA WETLANDS
- PROPOSED LIMITS OF CONSTRUCTION
- FIELD LOCATED WETLANDS OR OTHER SURFACE WATERS FLAGS AND LINES
- PROPOSED IMPACTS TO WETLANDS OR OTHER SURFACE WATERS



JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET 117

W. K. JOHNSON JR. LICENSE NO. 41040 STATE OF FLORIDA PROFESSIONAL ENGINEER

ORIGINAL NOV. 13, 2012
REVISIONS: 1 2 3 4 5

TASK
Greenway U1-2 DRAINAGE PLAN AND PROFILE

PROJECT
Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

CLIENT
LEON COUNTY FLORIDA'S CAPITAL COUNTY

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
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LEGEND

FULL LEGEND SHOWN ON SHEET 100

- FEMA FIRM FLOODPLAIN ZONE "A"
- TLCGIS ESA WETLANDS
- PROPOSED LIMITS OF CONSTRUCTION
- M-4 FIELD LOCATED WETLANDS OR OTHER SURFACE WATERS FLAGS AND LINES
- PROPOSED IMPACTS TO WETLANDS OR OTHER SURFACE WATERS

SCALE:
1"=40' HORIZ.
1"=10' VERT.

CONST. 150 LF CONC. CURB

CONST. 10 LF CONC. FLUME

TEMPORARY CONSTRUCTION EASEMENTS NEEDED HERE

Greenway U1-4

Sta=34+80.57

Sta=39+39.22

Sta=39+98.35

MATCHLINE STA 42+50

BRIARCREEK ROAD SOUTH

EDGEMONT TRAIL

LITTLE FOX LN

BEAVER FORD ROAD

SUMMIT RIDGE ROAD

BANNERMAN ROAD

LOT 36 BLOCK "S" PB.6, PG.26E

LOT 37 BLOCK "S" PB.6, PG.26E

LOT 38 BLOCK "S" PB.6, PG.26E

LOT 39 BLOCK "S" PB.6, PG.26E

LOT 40 BLOCK "S" PB.6, PG.26E

LOT 41 BLOCK "S" PB.6, PG.26E

LOT 42 BLOCK "S" PB.6, PG.26E

LOT 43 BLOCK "S" PB.6, PG.26E

LOT 44 BLOCK "S" PB.6, PG.26E

LOT 45 BLOCK "S" PB.6, PG.26E

LOT 46 BLOCK "S" PB.6, PG.26E

LOT 47 BLOCK "S" PB.6, PG.26E

LOT 48 BLOCK "S" PB.6, PG.26E

LOT 49 BLOCK "S" PB.6, PG.26E

LOT 50 BLOCK "S" PB.6, PG.26E

LOT 18 BLOCK "R" PB.6, PG.26E

LOT 19 BLOCK "R" PB.6, PG.26E

LOT 20 BLOCK "R" PB.6, PG.26E

LOT 21 BLOCK "R" PB.6, PG.26E

LOT 22 BLOCK "R" PB.6, PG.26E

LOT 6 BLOCK "P" PB.6, PG.26E

TALQUIN ELECTRIC PARCEL P.I.N. 140350 0023 ORB.1293, PG.149

HOMEOWNER ASSOCIATION GREEN SPACE

WETLAND

EXIST. RDWY TO REMAIN, NO PROPOSED RDWY DISTURBANCE

N77°45'17.96"E 46.72'
N88°37'03.91"E 55.89'
N62°06'37.87"E 68.55'
N59°56'41.17"E 41.78'
N24°01'47.33"W 9.24'
N57°28'18.82"W 33.03'
N3°52'30.15"E 26.63'
N59°38'25.87"W 23.40'
S67°05'33.98"W 68.56'
S85°34'41.83"E 40.59'
N82°48'04.15"W 99.31'
N84°07'39.38"W
S22°20'37.31"E 34.19'
S45°34'46.31"E 31.37'
S70°01'22.85"W 43.68'
S14°30'43.63"W 15.56'
N48°26'05.31"W 79.47'
N82°10'11.13"W 56.58'
S78°43'40.63"W 100.64'
N88°33'11.40"W 51.78'
N82°03'53.01"W 85.32'
N65°55'47.72"W 16.68'
S79°24'29.00"W 9.34'
N89°23'04.23"E 11.26'
N6°15'50.47"W 63.57'
N78°53'32.30"E 9.23'
S7°07'51.56"E 67.09'
N75°58'28.07"W 42.63'
S59°50'07.80"W 19.66'
N87°19'16.14"W 74.88'
N87°12'54.95"E 63.77'
N73°05'22.57"E 90.62'
S81°36'21.03"W 43.35'
S79°57'04.86"W 75.66'

F-20 2/23/12
F-21 2/23/12
F-22 2/23/12
F-23 2/23/12
F-24 2/23/12
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F-33 2/23/12

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JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET 118

WILLIAM K. JOHNSON
P.E. No. 61044
Signature Date
NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND SEALED

ORIGINAL NOV. 13, 2012
REVISIONS:
1
2
3
4
5

TASK
Greenway U1-3
DRAINAGE
PLAN AND PROFILE

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

CLIENT
LEON COUNTY FLORIDA'S CAPITAL COUNTY

ATKINS
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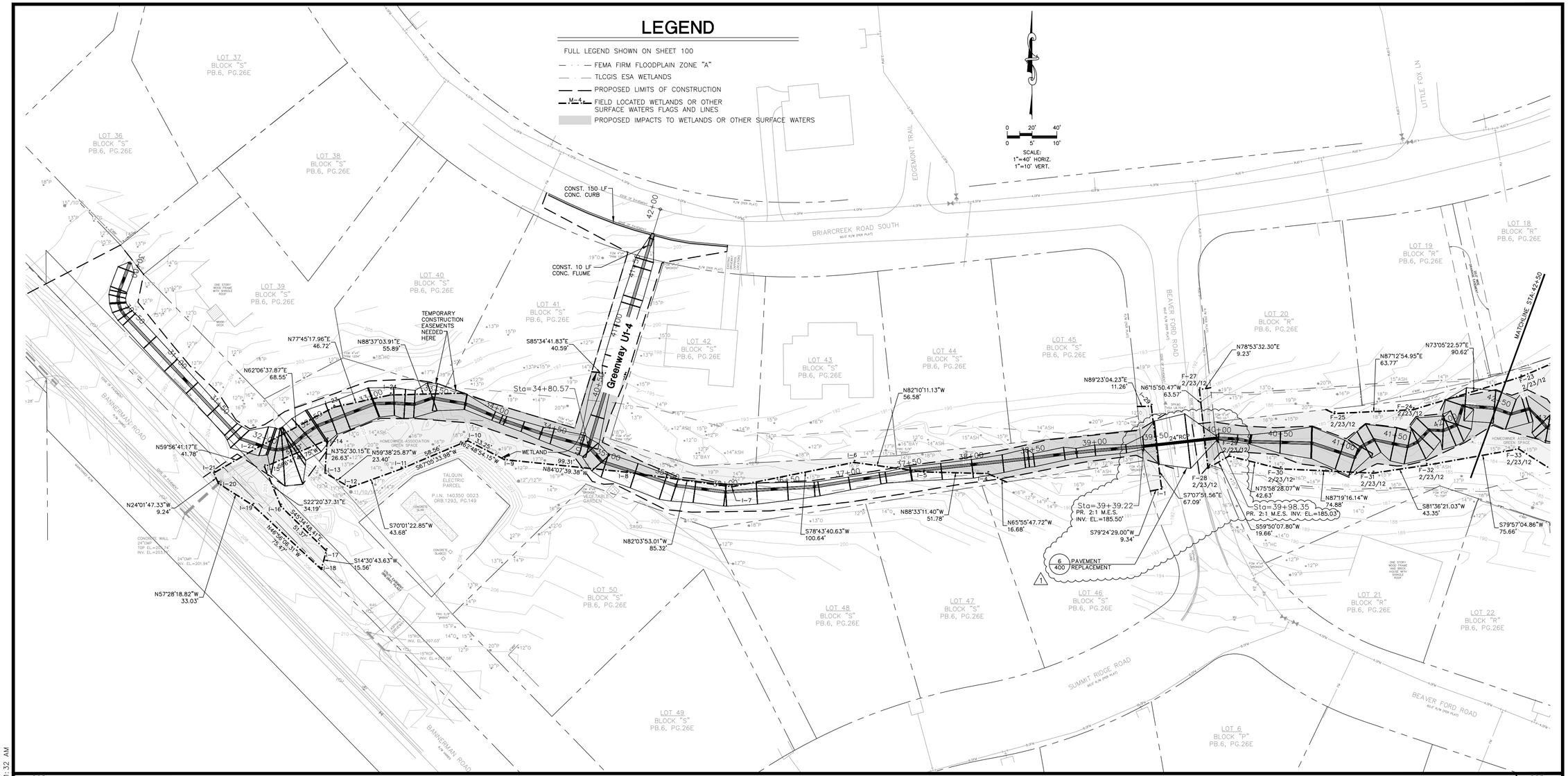
Revised Sheets 2-17-15

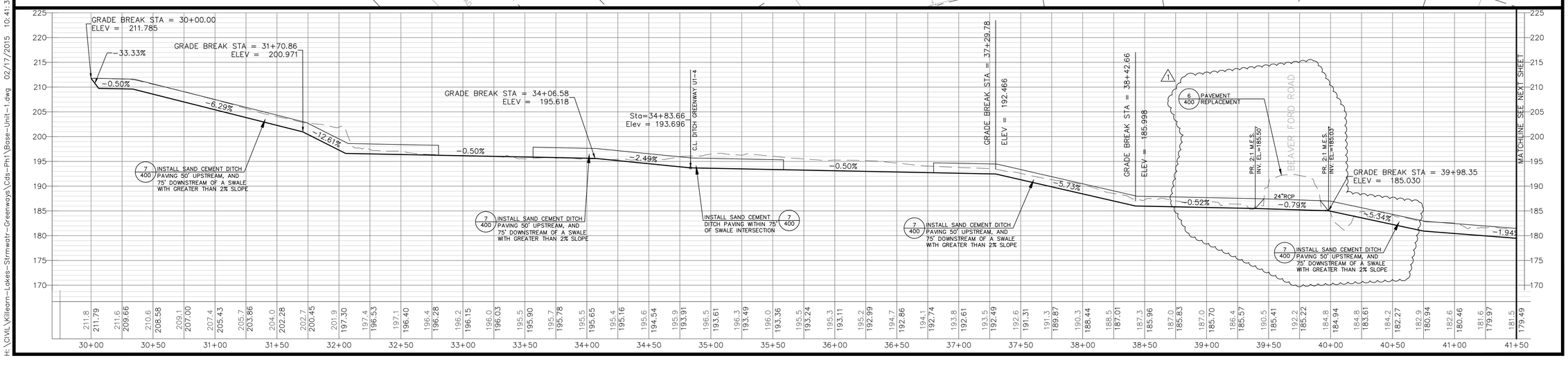
LEGEND

FULL LEGEND SHOWN ON SHEET 100

- — · · — FEMA FIRM FLOODPLAIN ZONE "A"
- — · — TLCGIS ESA WETLANDS
- PROPOSED LIMITS OF CONSTRUCTION
- W-4 FIELD LOCATED WETLANDS OR OTHER SURFACE WATERS FLAGS AND LINES
- PROPOSED IMPACTS TO WETLANDS OR OTHER SURFACE WATERS

SCALE: 1"=40' HORIZ, 1"=10' VERT.





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CHECKED WKJ
QC
SHEET 118

ORIGINAL NOV. 13, 2012
REVISIONS:
1 2/17/15
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TASK
Greenway U1-3
DRAINAGE
PLAN AND PROFILE

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Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

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LEON COUNTY FLORIDA'S CAPITAL COUNTY

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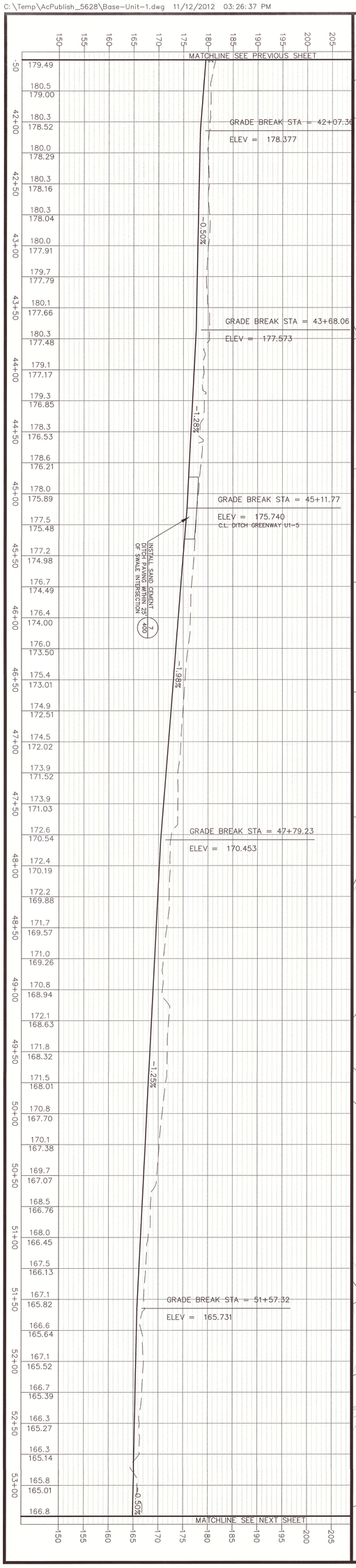

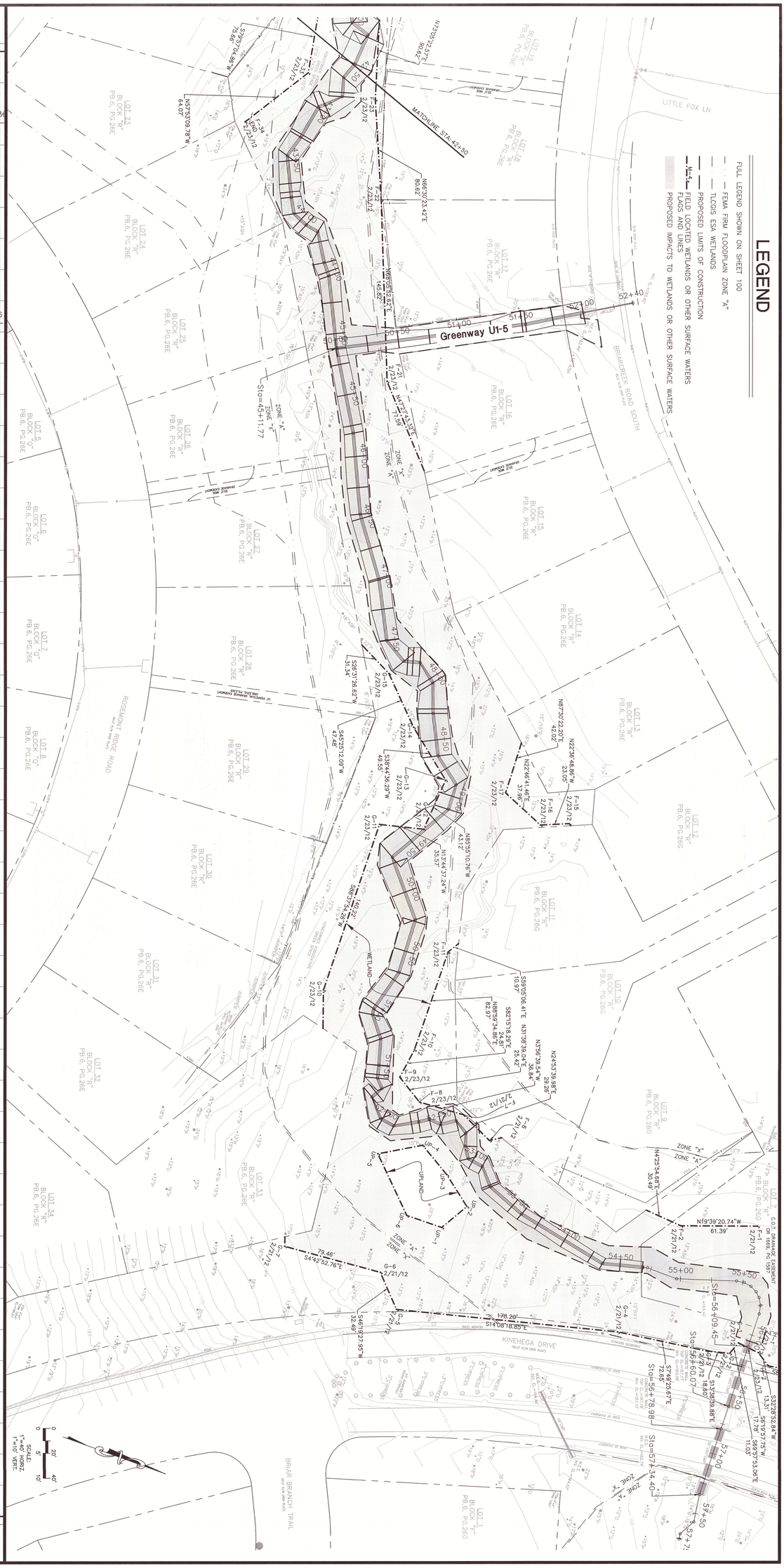

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CLIENT: LEON COUNTY, FLORIDA'S CAPITAL COUNTY

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

TASK
Greenway U1-3
DRAINAGE
PLAN AND PROFILE

ORIGINAL NOV. 13, 2012
REVISIONS:
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4
5

WILLIAM K. JOHNSON
P.E. NO. 41040
Signature Date
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JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC

SHEET 119

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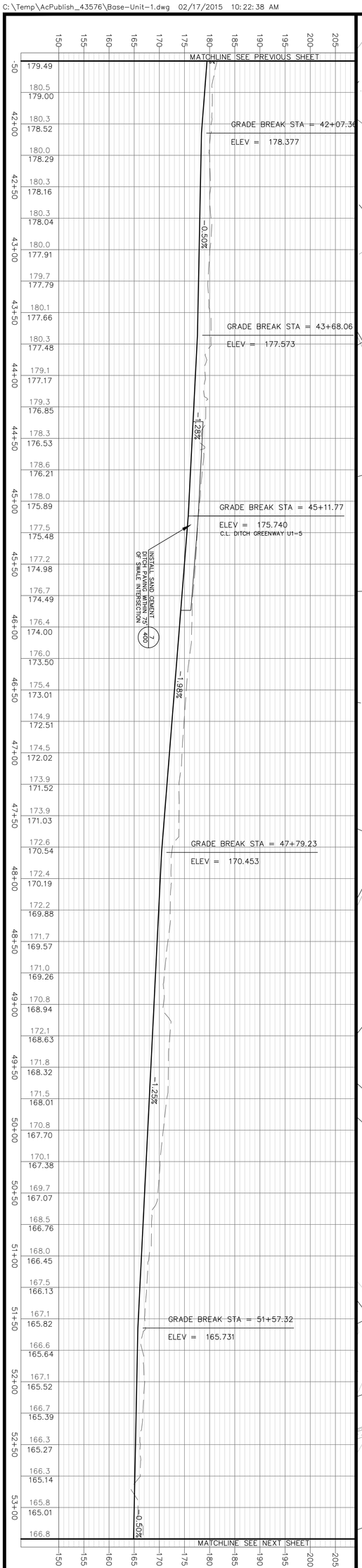

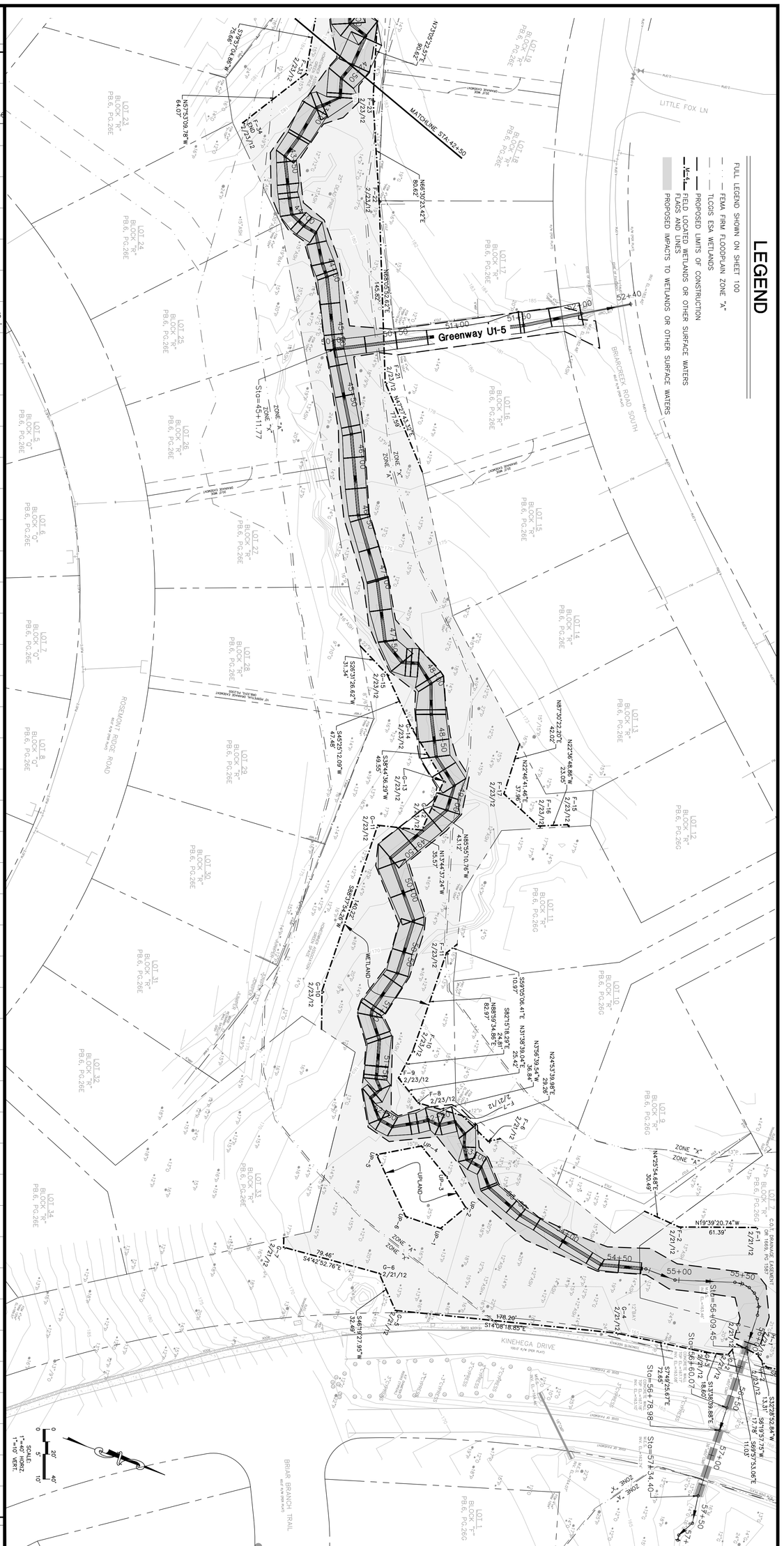

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CLIENT
LEON
FLORIDA'S CAPITAL COUNTY

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

TASK
Greenway U1-3
DRAINAGE
PLAN AND PROFILE

ORIGINAL NOV. 13, 2012
REVISIONS:
1 _____
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3 _____
4 _____
5 _____

WILLIAM M. JOHNSON
LICENSE
NO. 41040
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC _____
SHEET 119

Revised Sheets
2-17-15

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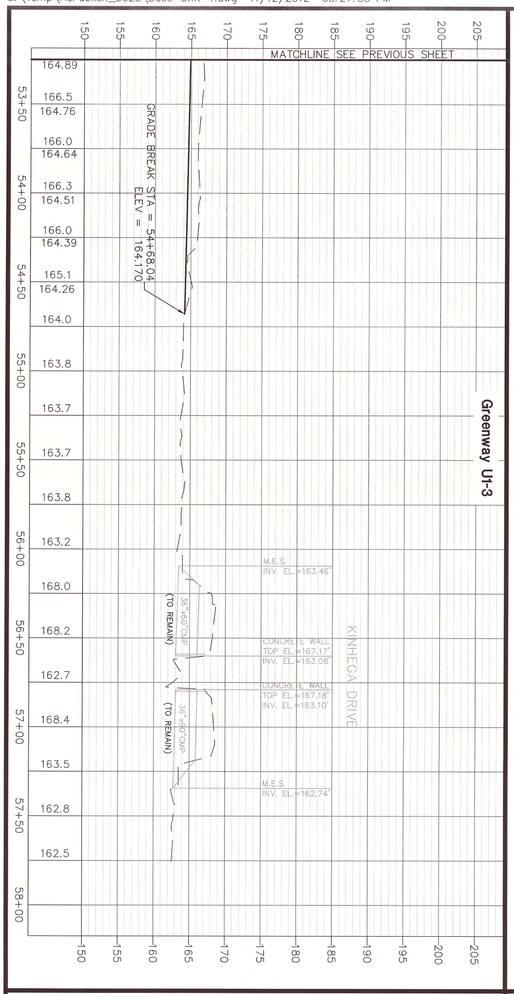

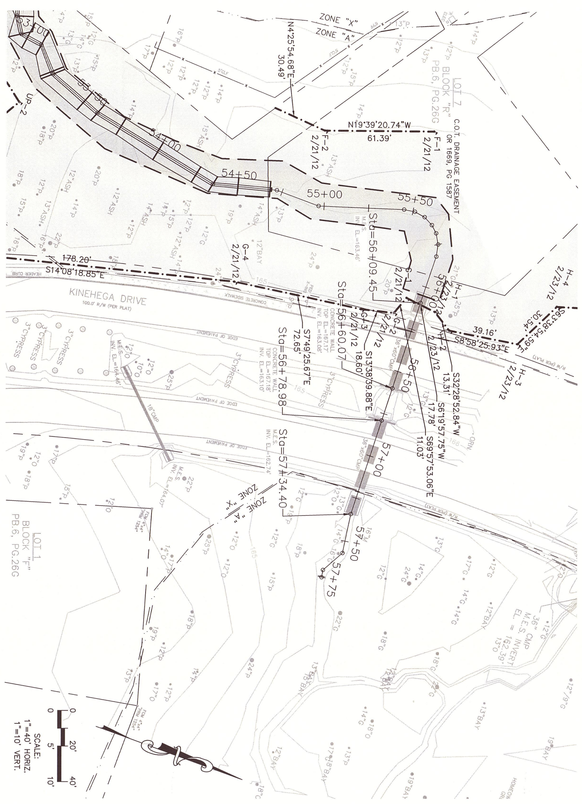

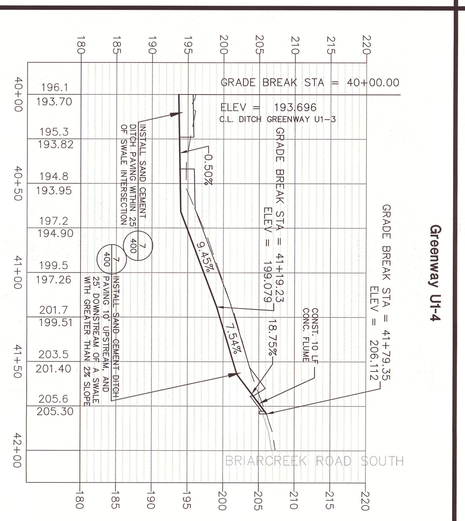

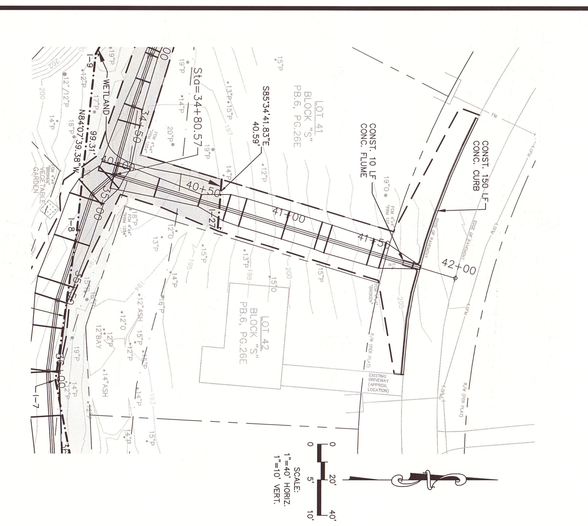

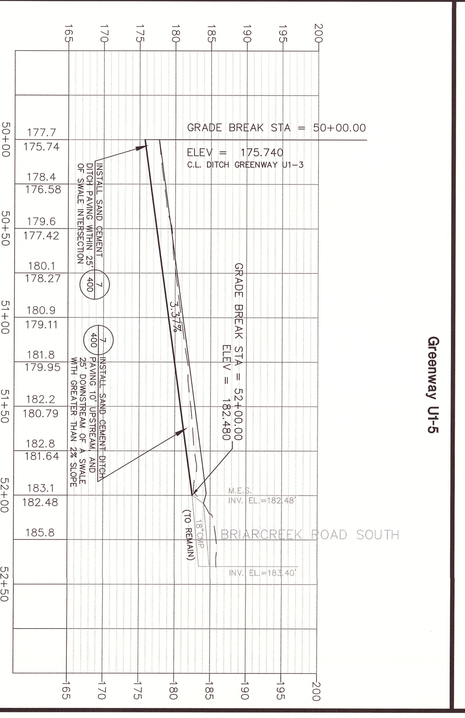

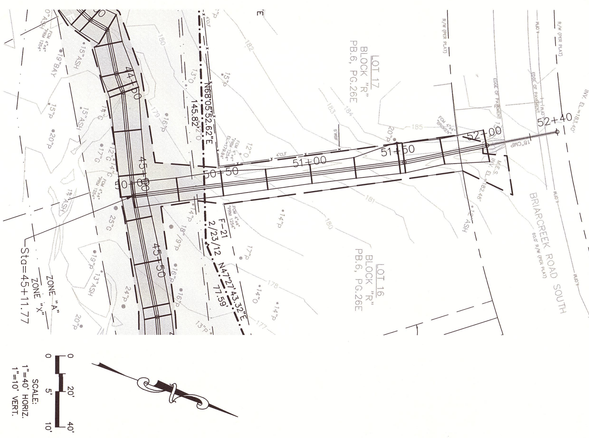

LEGEND

FULL LEGEND SHOWN ON SHEET 100

- FEMA FIRM FLOODPLAIN ZONE "A"
- TLCGIS ESA WETLANDS
- PROPOSED LIMITS OF CONSTRUCTION
- FIELD LOCATED WETLANDS OR OTHER SURFACE WATERS FLAGS AND LINES
- PROPOSED IMPACTS TO WETLANDS OR OTHER SURFACE WATERS

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FBPR Certificate of Authorization No. 24

CLIENT: LEON COUNTY FLORIDA'S CAPITAL COUNTY

PROJECT: Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

TASK: Greenway U1-3, U1-4 & U1-5 DRAINAGE PLAN AND PROFILE

ORIGINAL NOV. 13, 2012
REVISIONS:
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WILLIAM K. JOHNSON
P.E. NO. 41040
Signature Date
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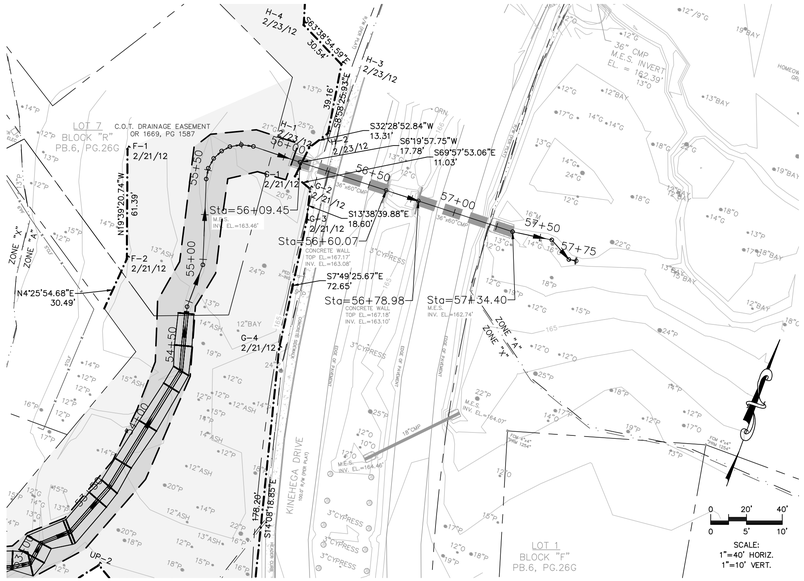
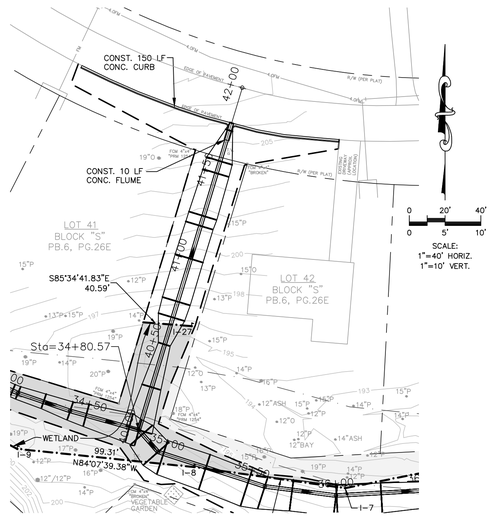
JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC

SHEET 120

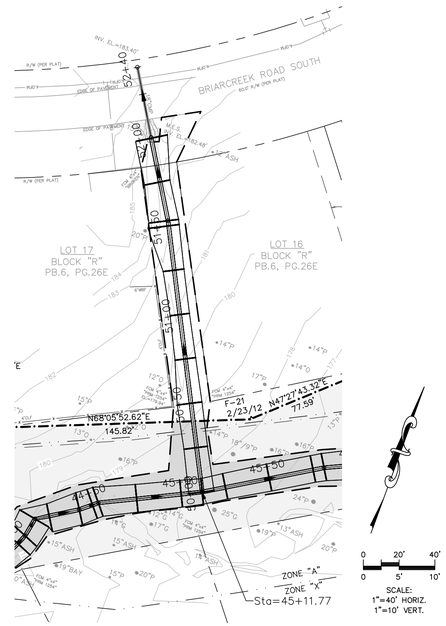
Revised Sheets
2-17-15



Greenway U1-3



Greenway U1-4

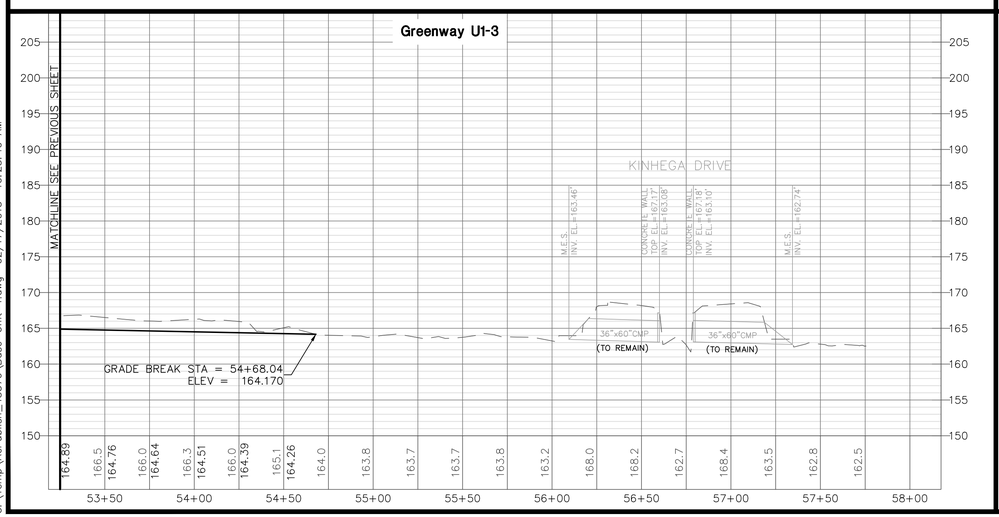


Greenway U1-5

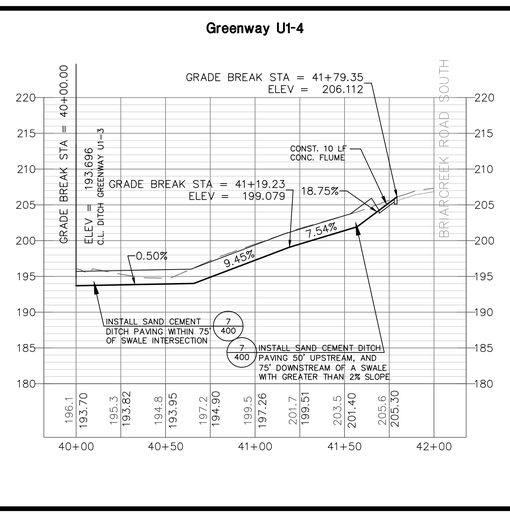
LEGEND

FULL LEGEND SHOWN ON SHEET 100

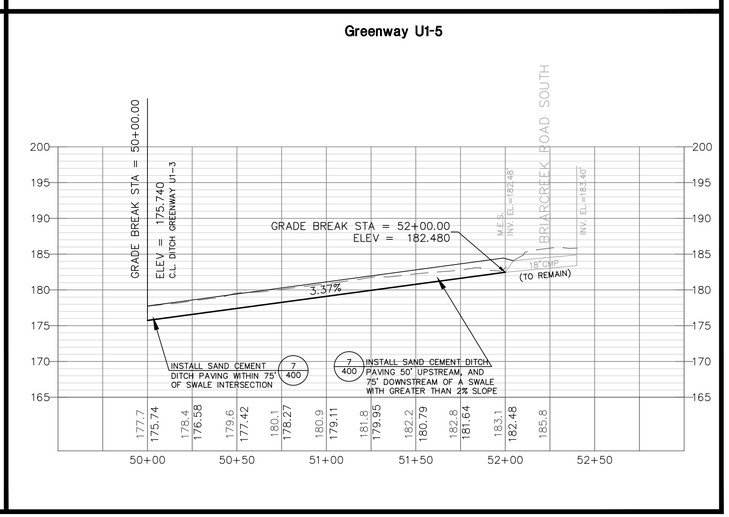
- FEMA FIRM FLOODPLAIN ZONE "A"
- TLCGIS ESA WETLANDS
- PROPOSED LIMITS OF CONSTRUCTION
- M—4— FIELD LOCATED WETLANDS OR OTHER SURFACE WATERS FLAGS AND LINES
- PROPOSED IMPACTS TO WETLANDS OR OTHER SURFACE WATERS



Greenway U1-3



Greenway U1-4



Greenway U1-5

JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET 120

W. K. JOHNSON LICENSED FLORIDA PROFESSIONAL ENGINEER NO. 41040 STATE OF FLORIDA
ORIGINAL NOV. 13, 2012
REVISIONS: 1 2 3 4 5

TASK
Greenway U1-3, U1-4 & U1-5 DRAINAGE PLAN AND PROFILE

PROJECT
Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

CLIENT
LEON COUNTY FLORIDA'S CAPITAL COUNTY

ATKINS
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Tallahassee, Florida 32303
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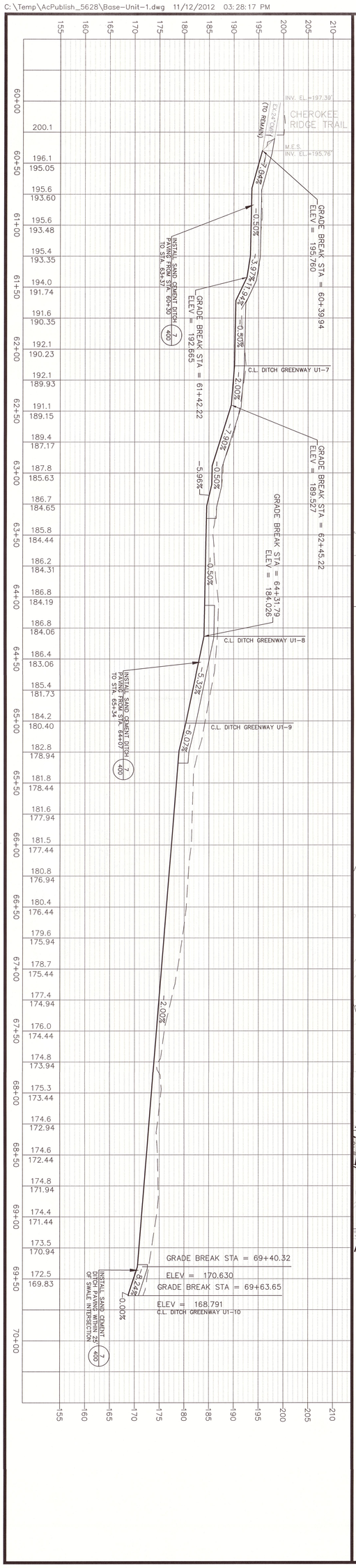

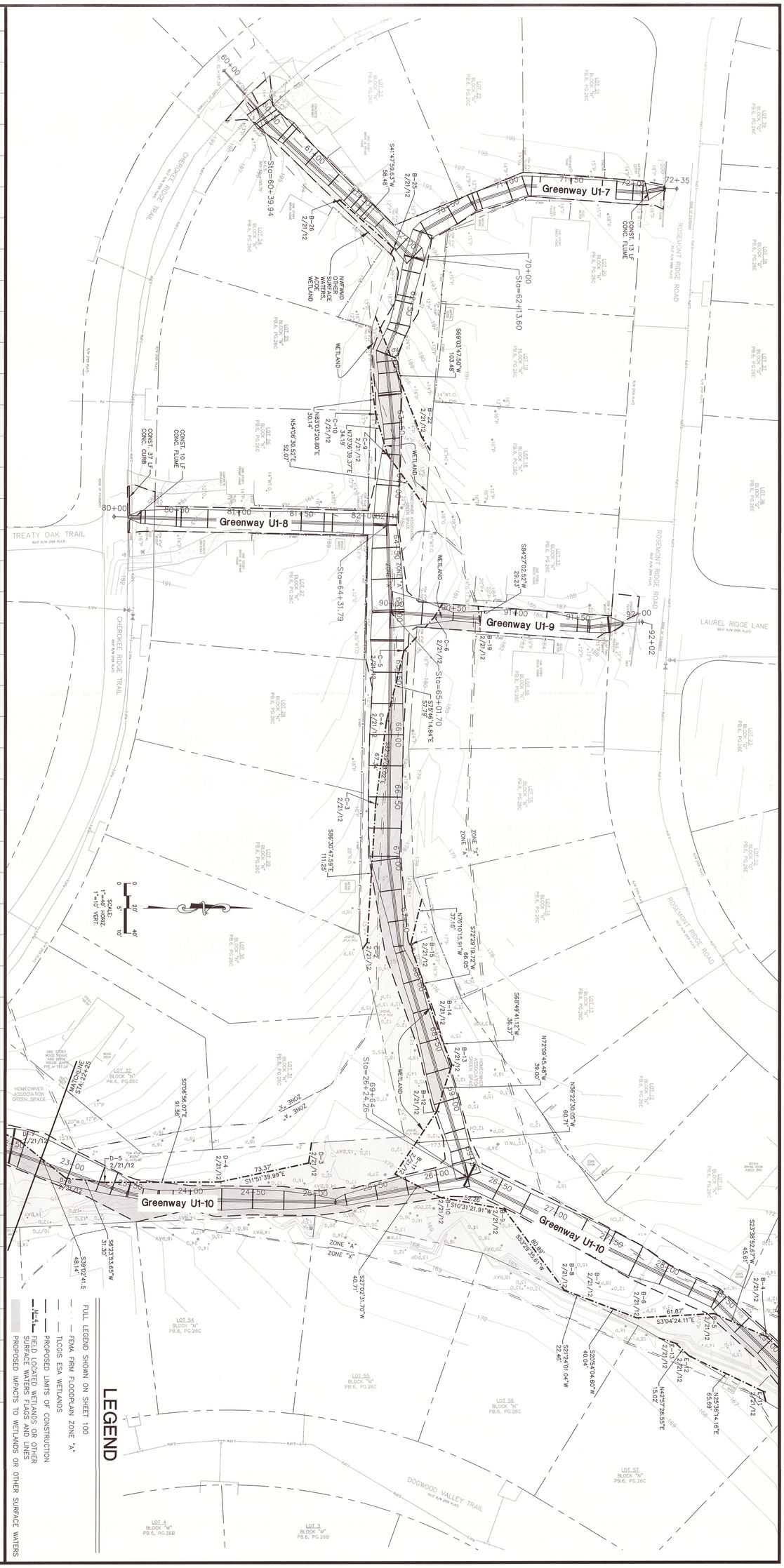

ATKINS

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LEON
FLORIDA'S CAPITAL COUNTY

PROJECT

Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

TASK

Greenway U1-6
DRAINAGE
PLAN AND PROFILE

ORIGINAL NOV. 13, 2012
REVISIONS:
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5

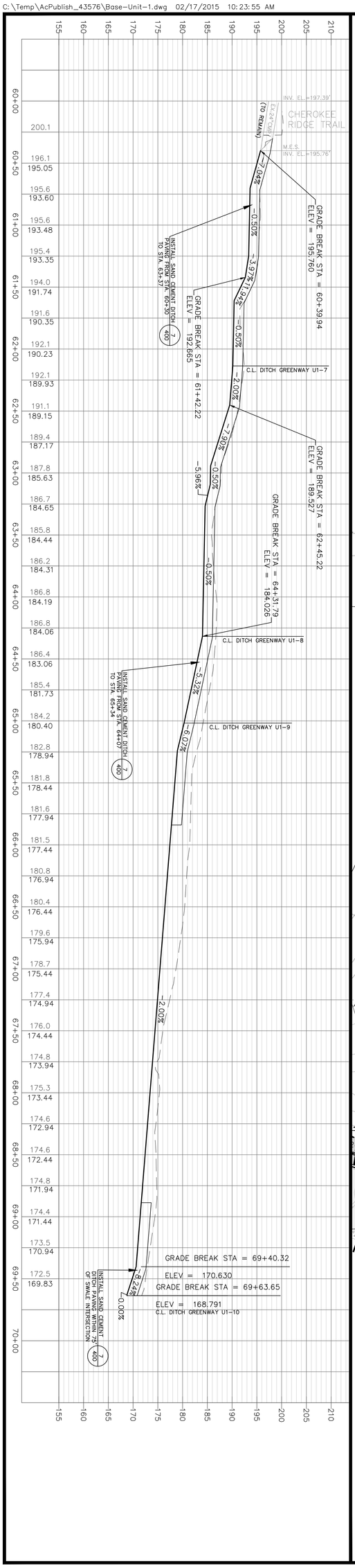
WILLIAM K. JOHNSON
P.E. NO. 41040

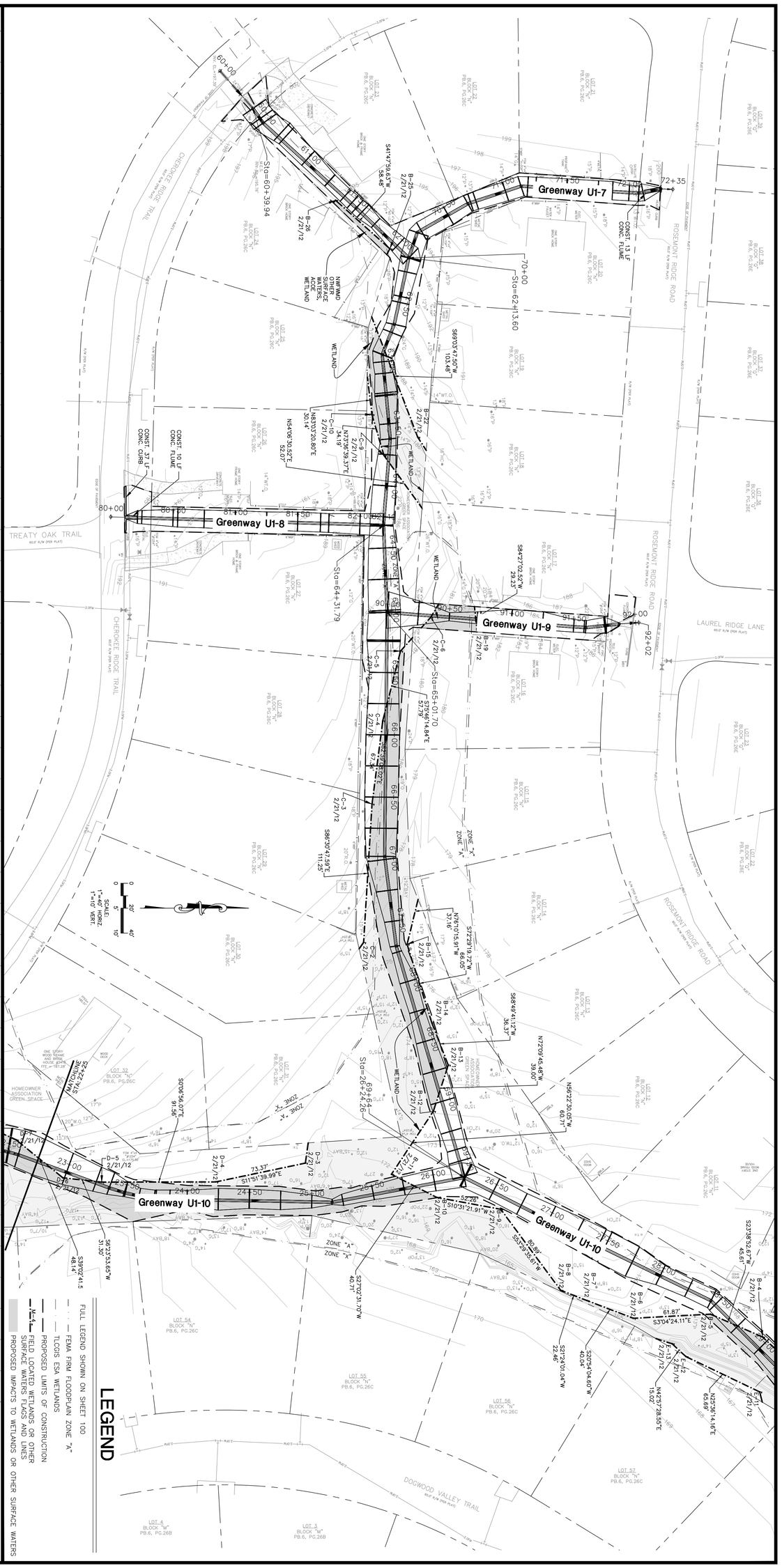
Signature Date
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC

SHEET 121

C:\Temp\AcPublish_43576\Base-Unit-1.dwg 02/17/2015 10:23:55 AM





ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
FBPR Certificate of Authorization No. 24

CLIENT: LEON COUNTY, FLORIDA'S CAPITAL COUNTY

PROJECT: Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

TASK: Greenway U1-6 DRAINAGE PLAN AND PROFILE

ORIGINAL NOV. 13, 2012
REVISIONS:
1
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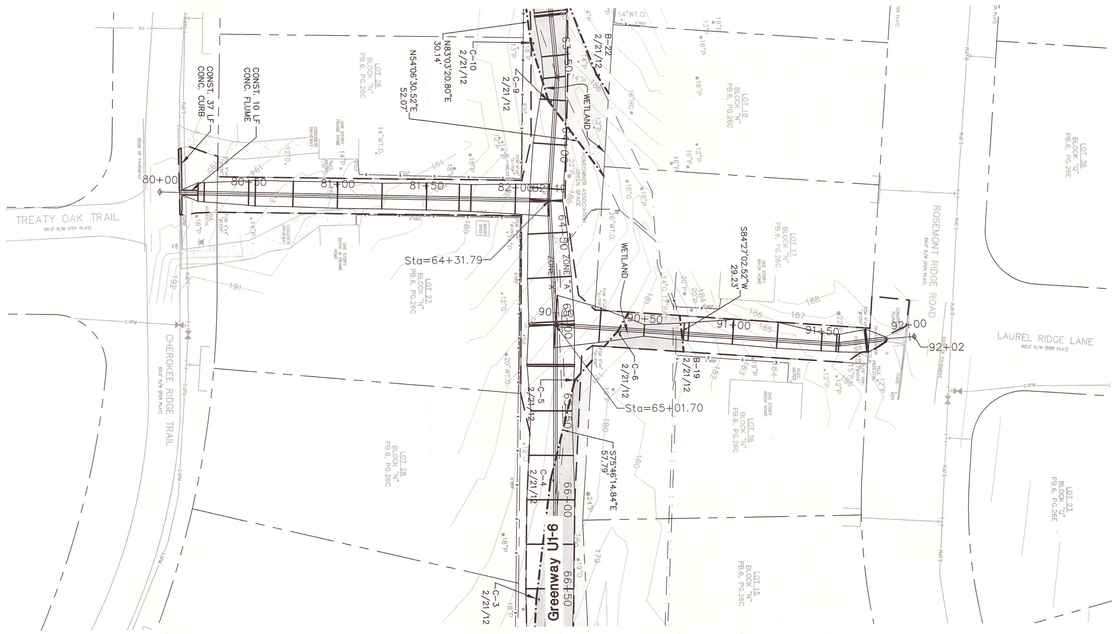
WILLIAM M. JOHNSON LICENSE NO. 41040 STATE OF FLORIDA PROFESSIONAL ENGINEER

JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC

SHEET 121

Revised Sheets 2-17-15



Greenway U1-8

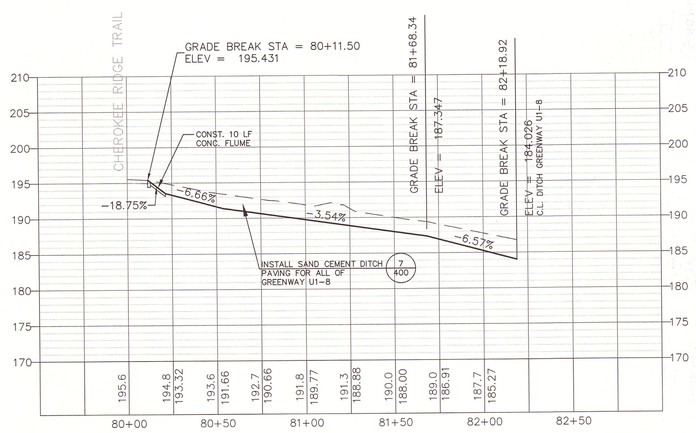
Greenway U1-9

0 20' 40'
0 5' 10'
SCALE:
1"=40' HORIZ.
1"=10' VERT.

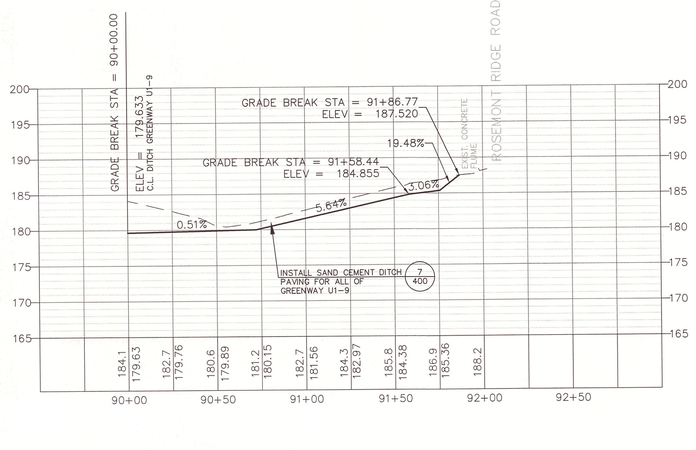
LEGEND

FULL LEGEND SHOWN ON SHEET 100

- FEMA FIRM FLOODPLAIN ZONE "A"
- TLCGIS ESA WETLANDS
- PROPOSED LIMITS OF CONSTRUCTION
- FIELD LOCATED WETLANDS OR OTHER SURFACE WATERS FLAGS AND LINES
- PROPOSED IMPACTS TO WETLANDS OR OTHER SURFACE WATERS



Greenway U1-8



Greenway U1-9

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JOB NO.	100014954
DRAWN	MR
DESIGNED	GCB
CHECKED	WKJ
QC	
SHEET	122

WILLIAM K. JOHNSON
P.E. NO. 41040
Signature
NOT VALID WITHOUT THE SIGNATURE AND RAISED SEAL OF A FLORIDA LICENSED ENGINEER

ORIGINAL NOV. 13, 2012
REVISIONS:
1
2
3
4
5

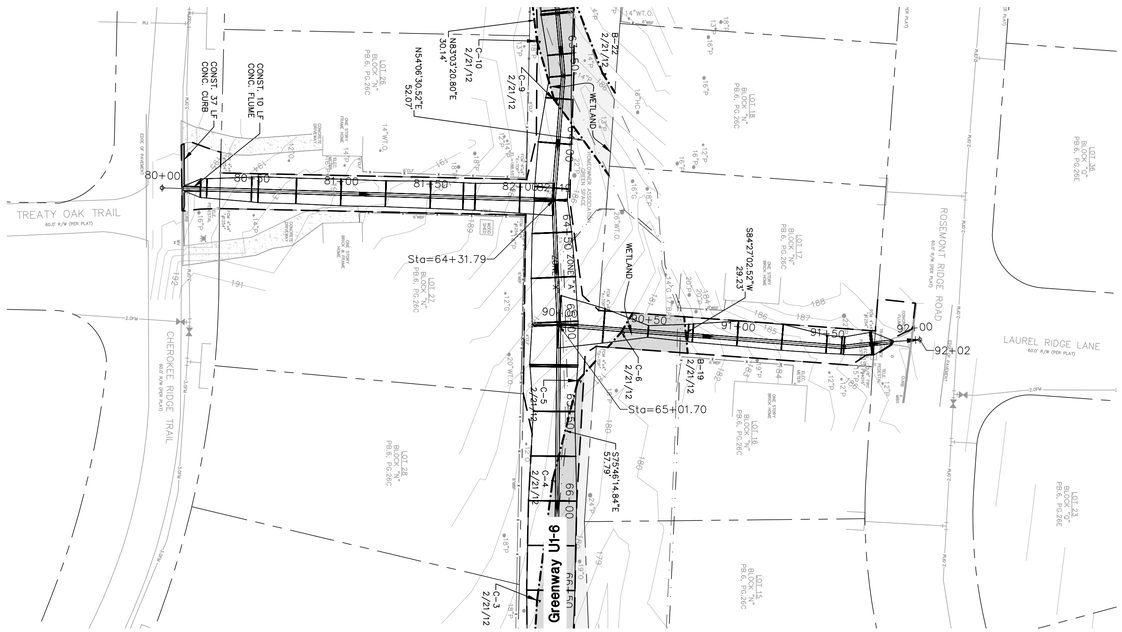
TASK
Greenway U1-8
& U1-9 DRAINAGE
PLAN AND PROFILE

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

CLIENT
LEON COUNTY FLORIDA'S CAPITAL COUNTY

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
FBPR Certificate of Authorization No. 24

Revised Sheets
2-17-15

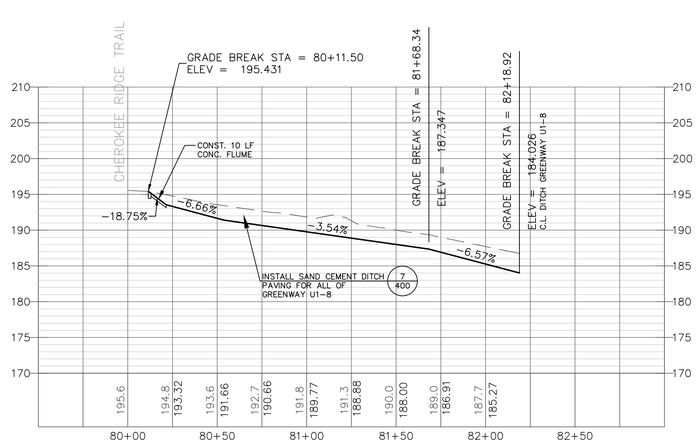


Greenway U1-8 Greenway U1-9

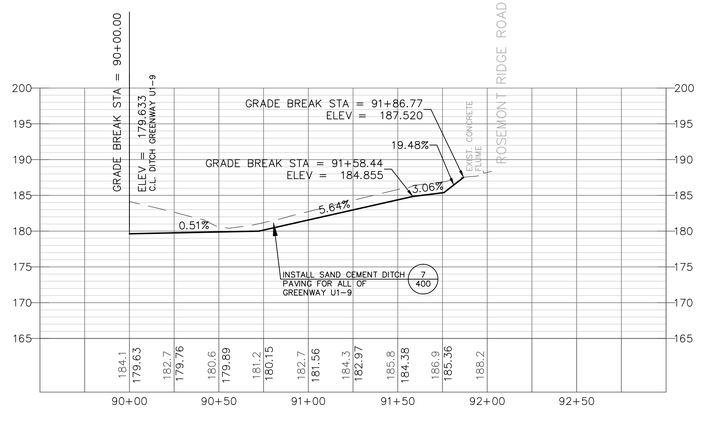
LEGEND

FULL LEGEND SHOWN ON SHEET 100

- FEMA FIRM FLOODPLAIN ZONE "A"
- TLCGIS ESA WETLANDS
- PROPOSED LIMITS OF CONSTRUCTION
- FIELD LOCATED WETLANDS OR OTHER SURFACE WATERS FLAGS AND LINES
- PROPOSED IMPACTS TO WETLANDS OR OTHER SURFACE WATERS



Greenway U1-8



Greenway U1-9

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JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET 122

WILLIAM K. JOHNSON ENGINEERING, INC. NO. 41040 STATE OF FLORIDA PROFESSIONAL ENGINEER

ORIGINAL NOV. 13, 2012
REVISIONS:
1
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TASK
Greenway U1-8
& U1-9 DRAINAGE
PLAN AND PROFILE

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

CLIENT
LEON COUNTY FLORIDA'S CAPITAL COUNTY

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
FBPR Certificate of Authorization No. 24

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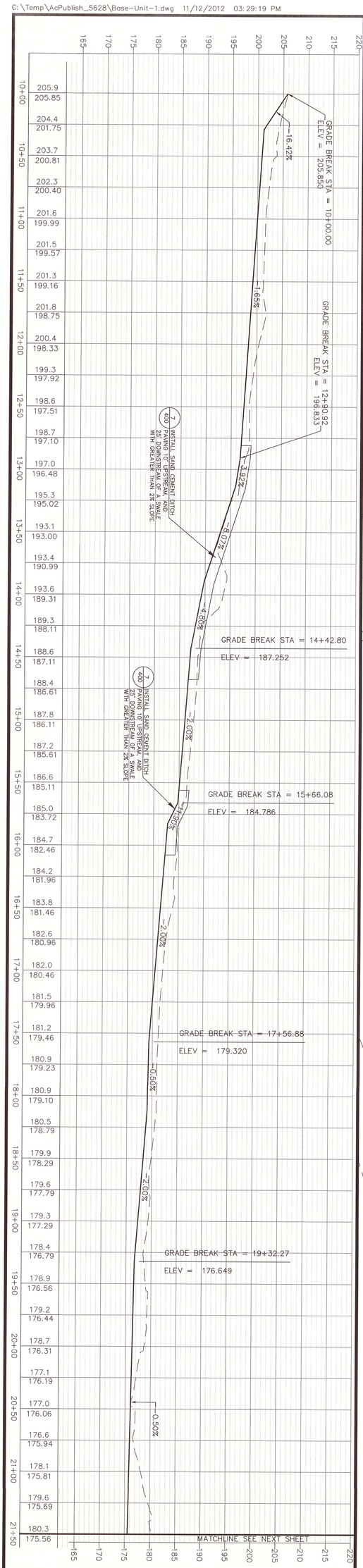

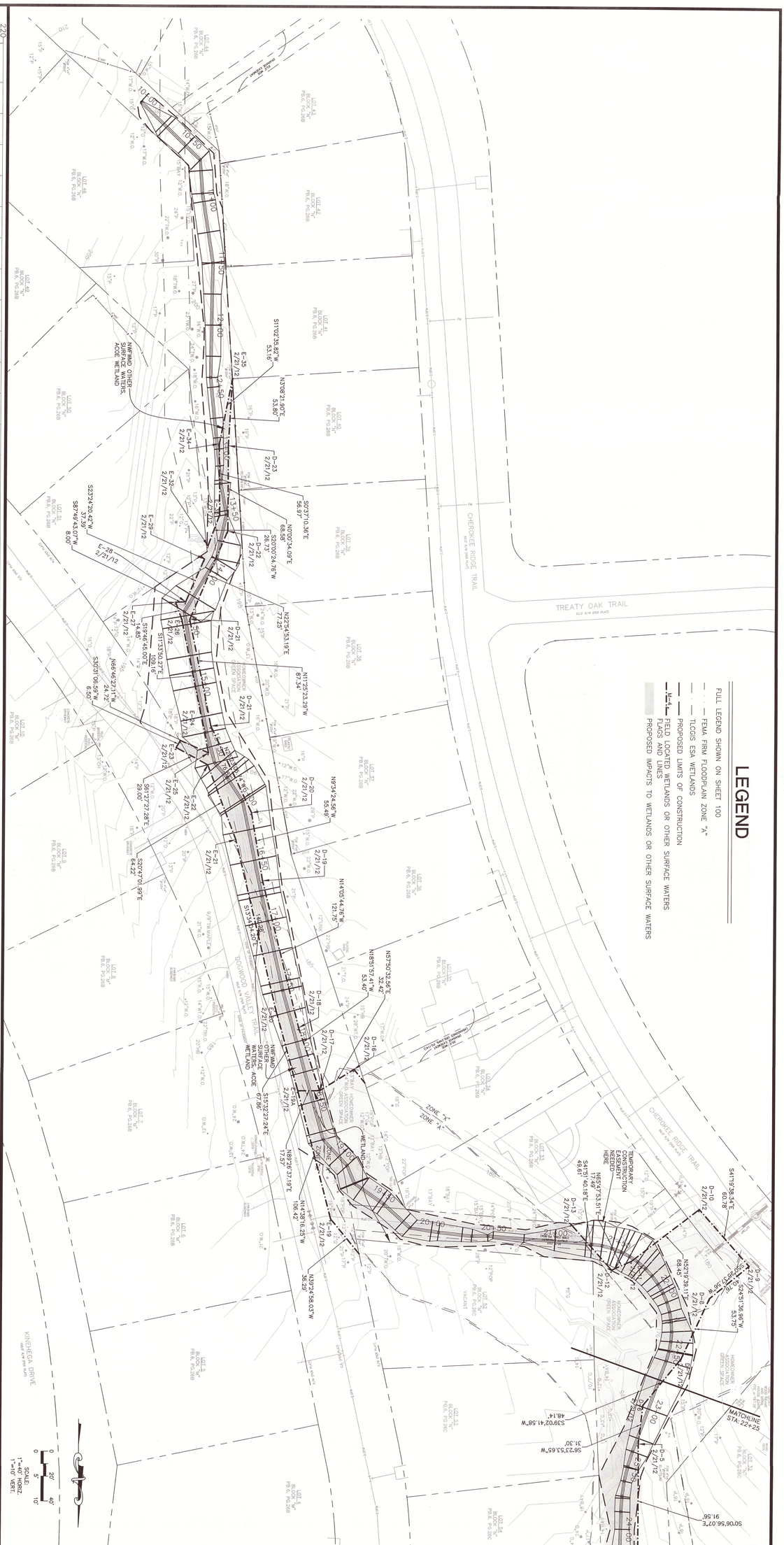

ATKINS 2639 N. Monroe St. Building C Tallahassee, Florida 32303 850.575.1800 FBPR Certificate of Authorization No. 24	CLIENT LEON COUNTY FLORIDA CAPITAL COUNTY	PROJECT Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1	TASK Greenway U1-10 DRAINAGE PLAN AND PROFILE	ORIGINAL NOV. 13, 2012 REVISIONS: 1 2 3 4 5	WILLIAM K. JOHNSON P.E. NO. 41040 Signature Date NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK	JOB NO. 100014954 DRAWN MR DESIGNED GCB CHECKED WKJ QC SHEET 123

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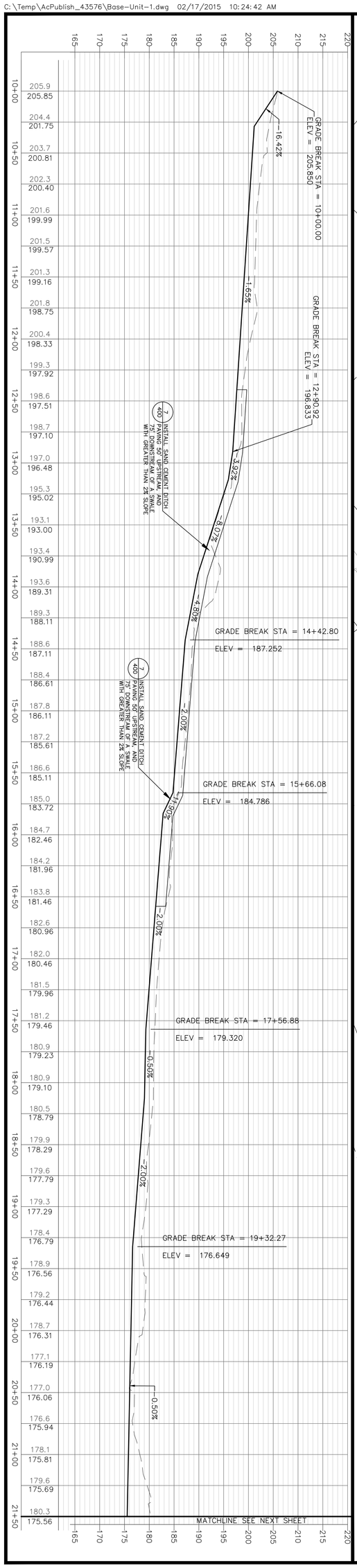

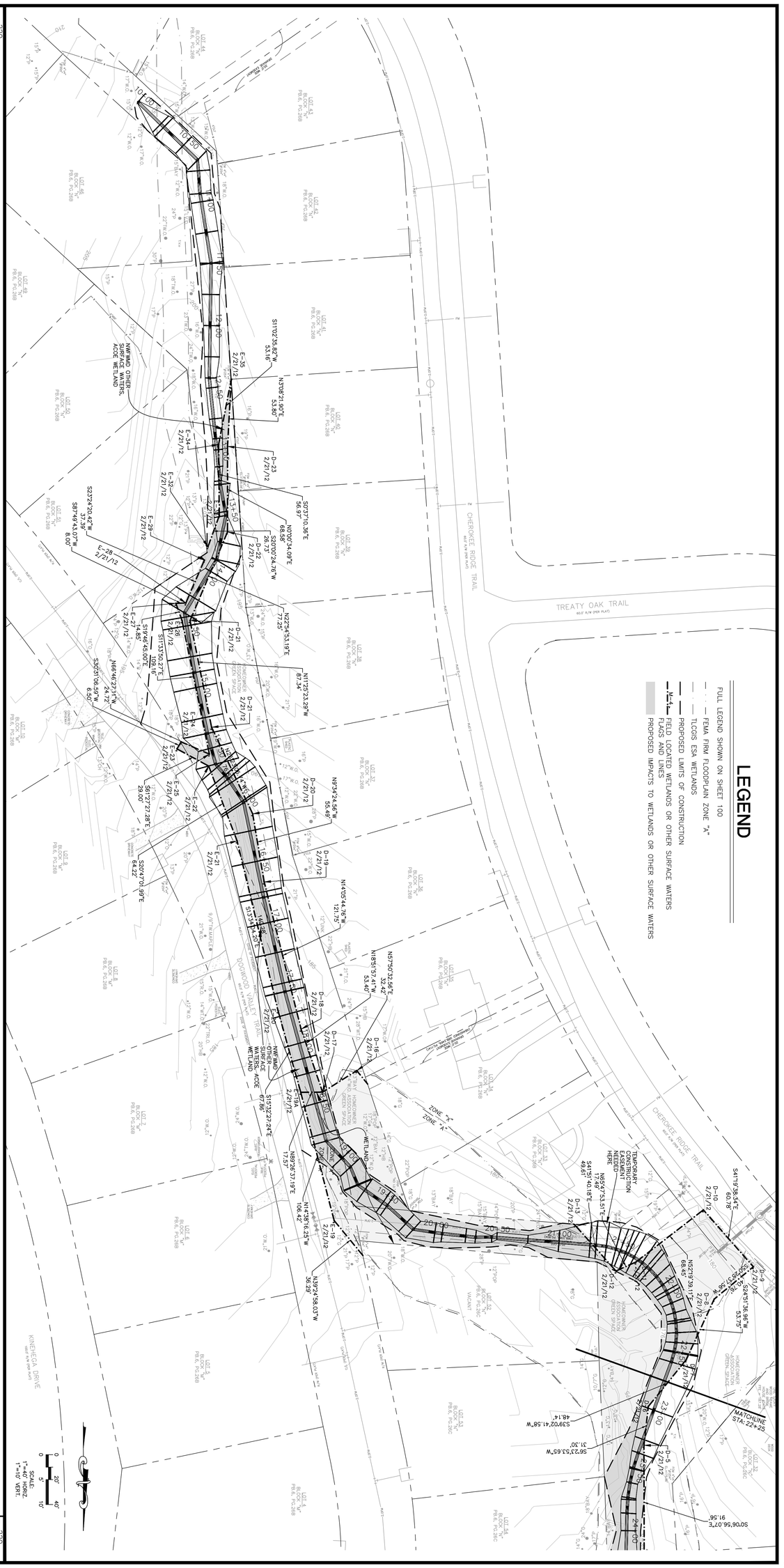

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
FBPR Certificate of Authorization No. 24

CLIENT: LEON — Florida's Capital County

PROJECT: Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

TASK: Greenway U1-10 DRAINAGE PLAN AND PROFILE

ORIGINAL NOV. 13, 2012
REVISIONS:
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WILLIAM M. JOHNSON LICENSE NO. 41040 STATE OF FLORIDA PROFESSIONAL ENGINEER

JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET 123

Revised Sheets 2-17-15

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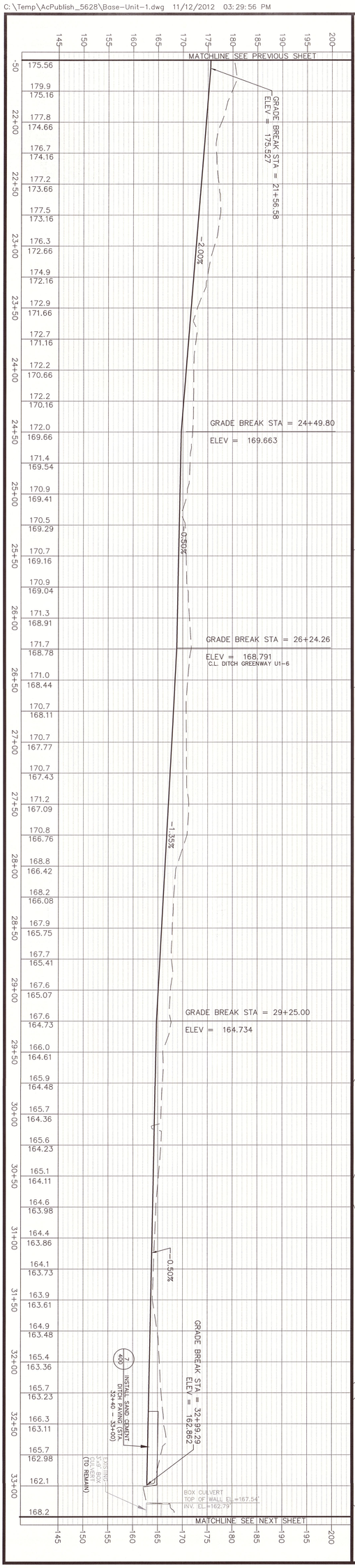

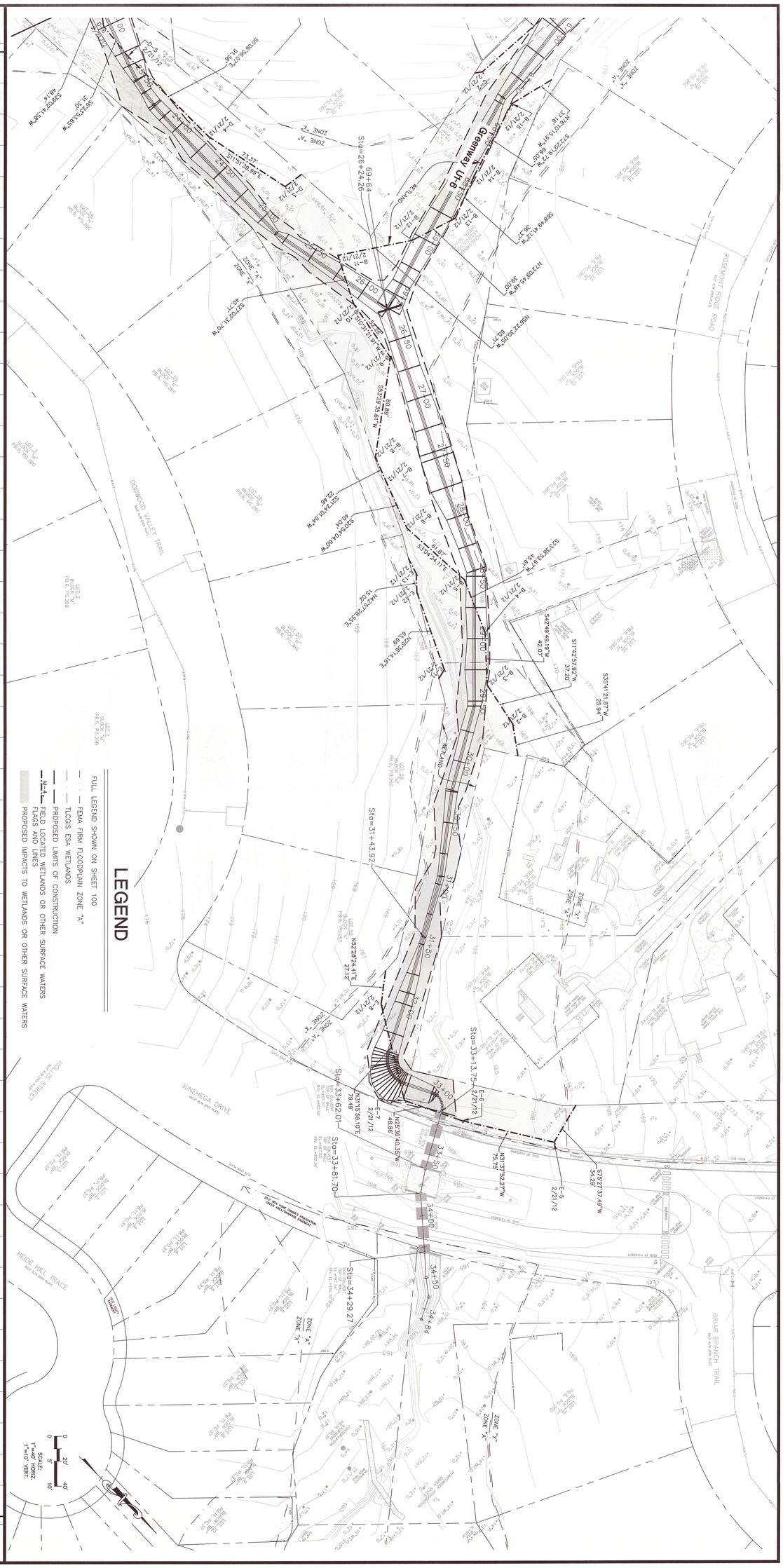

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
FBPR Certificate of Authorization No. 24

CLIENT
LEON COUNTY, FLORIDA'S CAPITAL COUNTY

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

TASK
Greenway U1-10
DRAINAGE
PLAN AND PROFILE

ORIGINAL NOV. 13, 2012
REVISIONS:
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WILLIAM K. JOHNSON
P.E. NO. 41040
Signature Date
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC

SHEET 124

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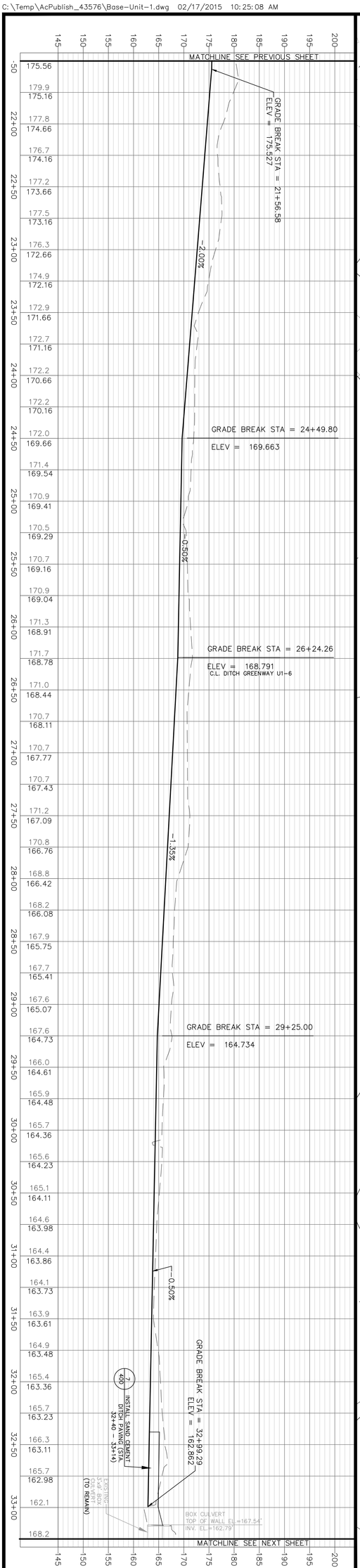

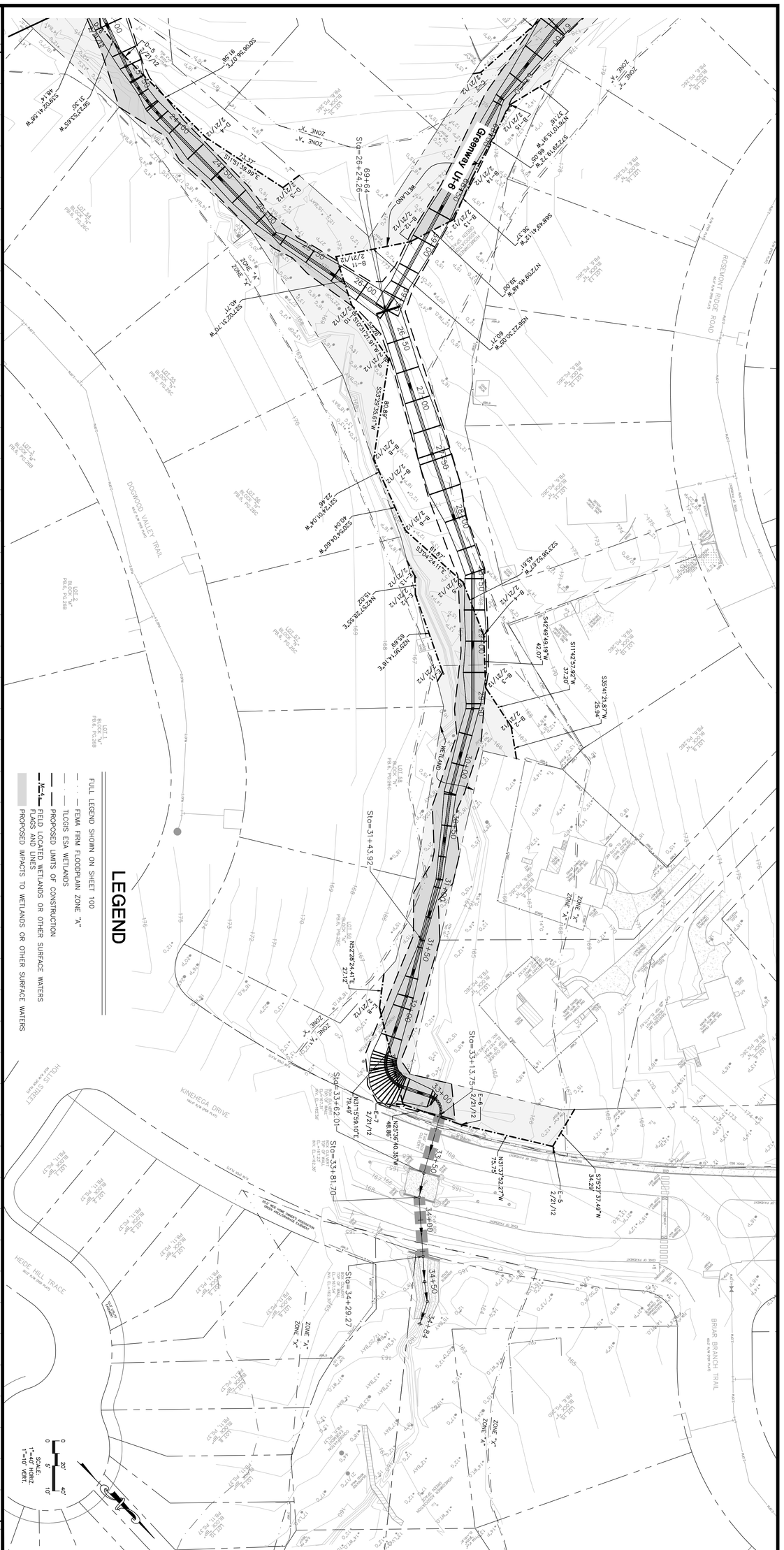

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
FBPR Certificate of Authorization No. 24

CLIENT: LEON — Florida's Capital County

PROJECT: Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

TASK: Greenway U1-10 DRAINAGE PLAN AND PROFILE

ORIGINAL NOV. 13, 2012
REVISIONS:
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WILLIAM M. JOHNSON LICENSE NO. 41040 STATE OF FLORIDA PROFESSIONAL ENGINEER

JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC

SHEET 124

Revised Sheets 2-17-15

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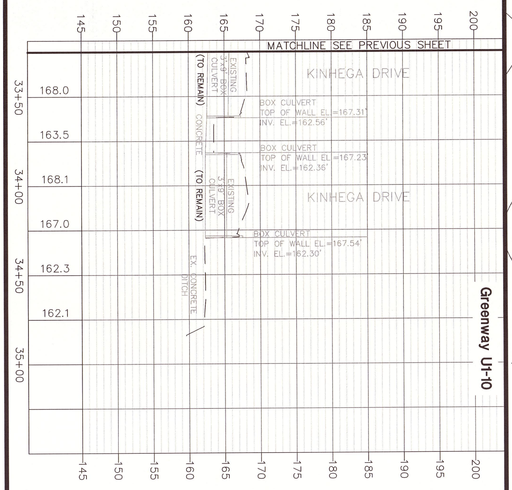
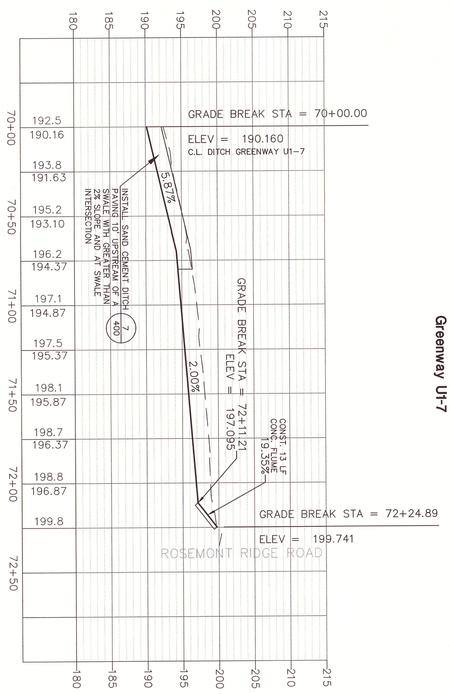
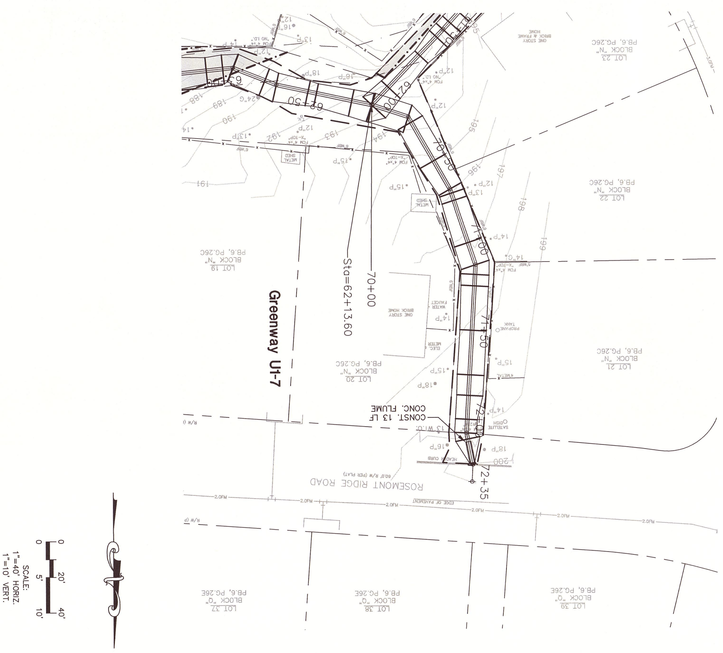






LEGEND

FULL LEGEND SHOWN ON SHEET 100

FEMA FIRM FLOODPLAIN ZONE "X"

TLCGIS ESA WETLANDS

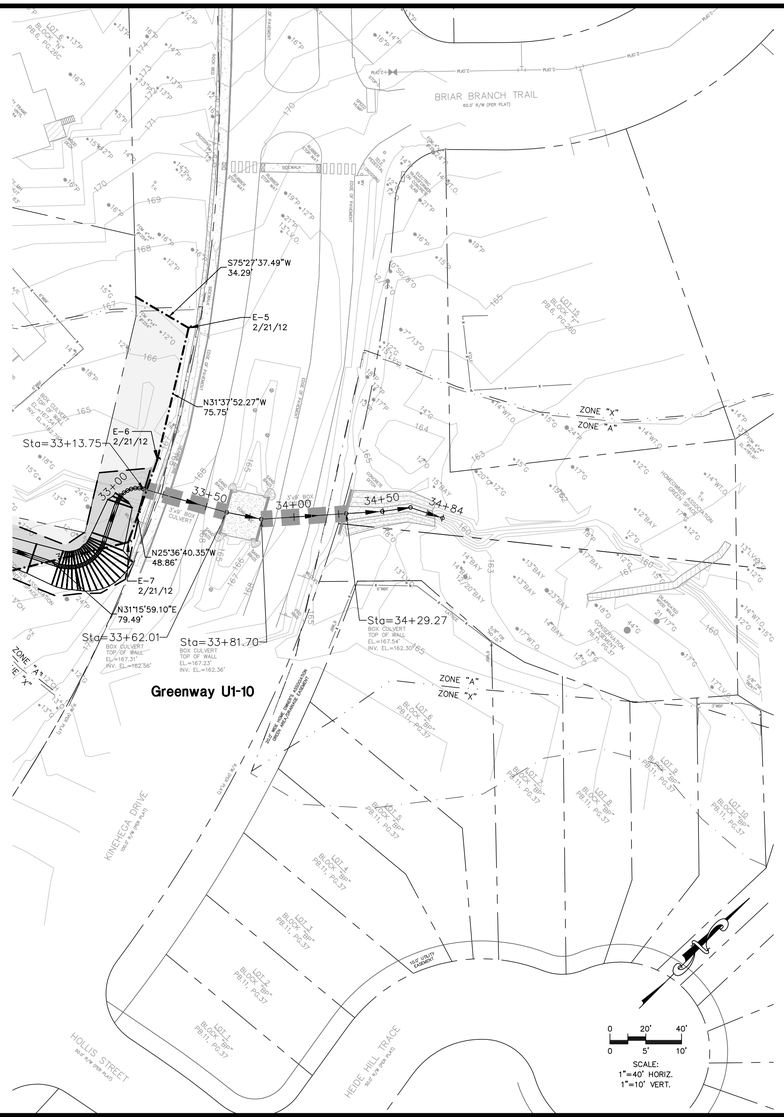
PROPOSED LIMITS OF CONSTRUCTION

PROPOSED DRAINAGE FEATURES AND LINES

PROPOSED IMPACTS TO WETLANDS OR OTHER SURFACE WATERS

ATKINS 2639 N. Monroe St. Building C Tallahassee, Florida 32303 850.575.1800 FBPR Certificate of Authorization No. 24	CLIENT LEON FLORIDA'S CAPITAL COUNTY	PROJECT Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1	TASK Greenway U1-10, U1-7 & U1-11 DRAINAGE PLAN AND PROFILE	ORIGINAL NOV. 13, 2012 REVISIONS: 1 2 3 4 5	WILLIAM K. JOHNSON P.E. NO. 41040 Signature Date NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK	JOB NO. 100014954 DRAWN MR DESIGNED GCB CHECKED WKJ QC SHEET 125

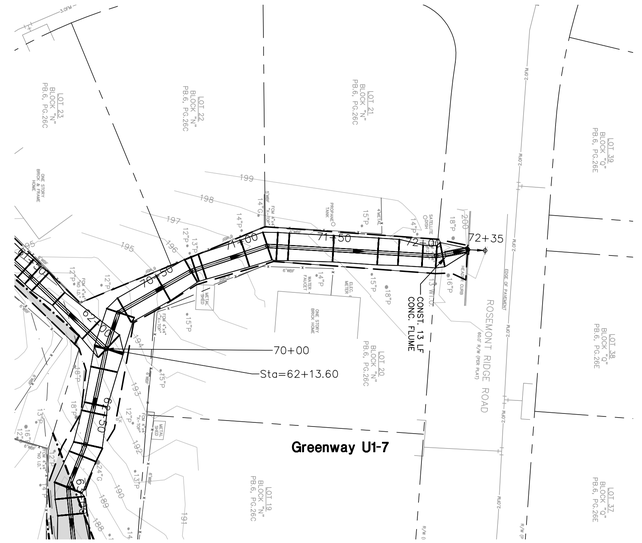
Revised Sheets
2-17-15

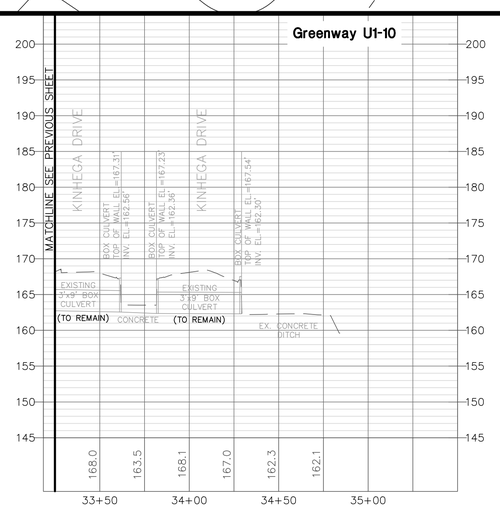


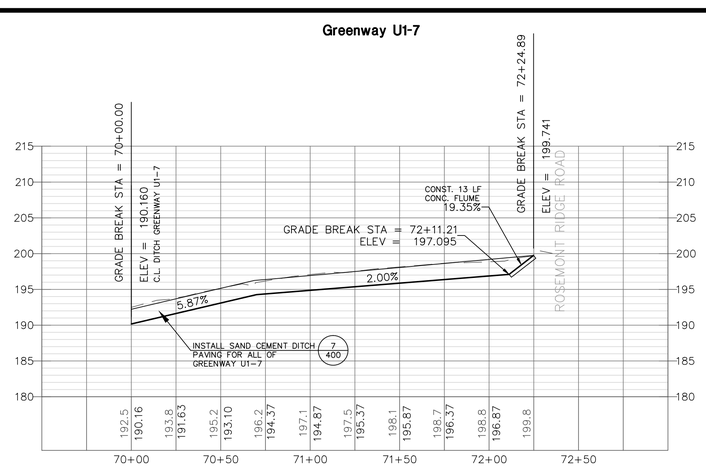
LEGEND

FULL LEGEND SHOWN ON SHEET 100

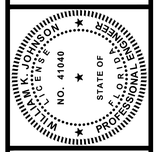
- FEMA FIRM FLOODPLAIN ZONE "A"
- TLCGIS ESA WETLANDS
- PROPOSED LIMITS OF CONSTRUCTION
- FIELD LOCATED WETLANDS OR OTHER SURFACE WATERS FLAGS AND LINES
- PROPOSED IMPACTS TO WETLANDS OR OTHER SURFACE WATERS







JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET 125



ORIGINAL NOV. 13, 2012
REVISIONS: 1 2 3 4 5

TASK
Greenway U1-10,
U1-7 & U1-11 DRAINAGE
PLAN AND PROFILE

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

CLIENT
LEON COUNTY
FLORIDA'S CAPITAL COUNTY

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
FBPR Certificate of Authorization No. 24

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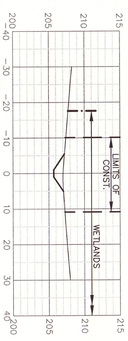
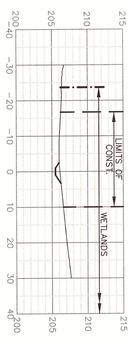
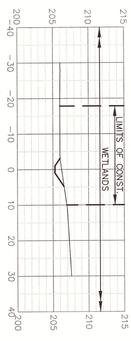
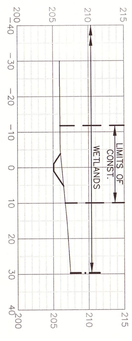
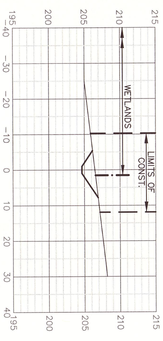
Greenway U1-1
CROSS SECTIONS

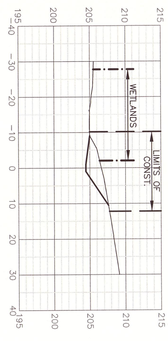


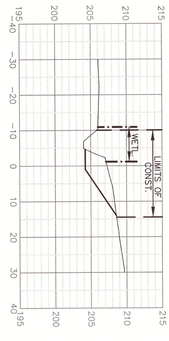


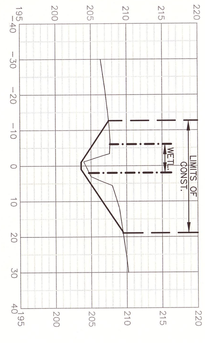


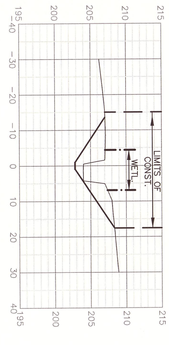


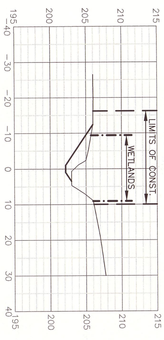


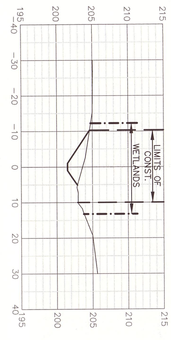


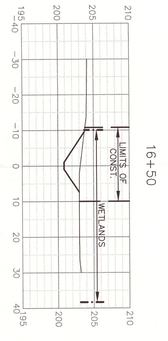


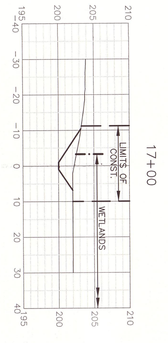


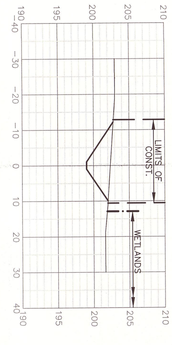


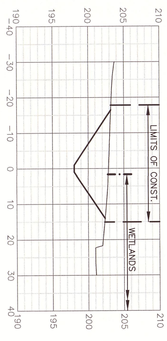


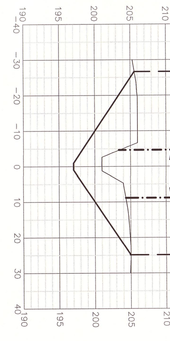


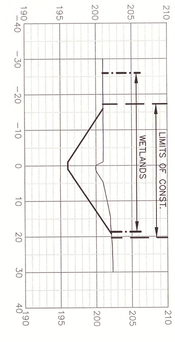


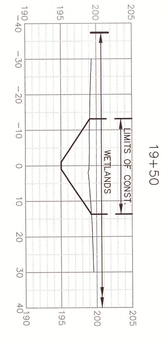


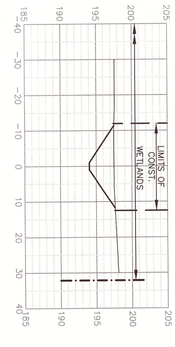


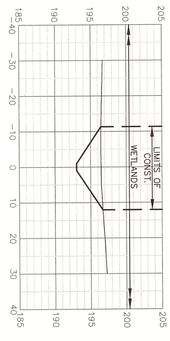


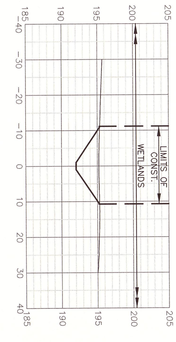


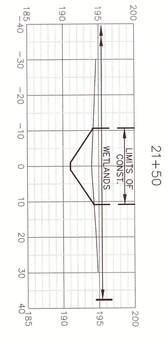


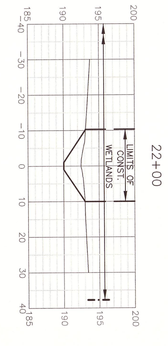


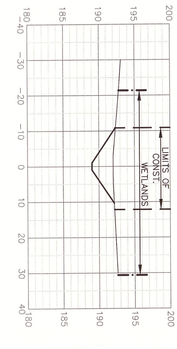












ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
FBPR Certificate of Authorization No. 24

CLIENT: LEON COUNTY, FLORIDA'S CAPITAL COUNTY

PROJECT: Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

TASK: Greenway U1-1 CROSS SECTIONS

ORIGINAL NOV. 13, 2012
REVISIONS:
1
2
3
4
5

WILLIAM K. JOHNSON
P.E. NO. 41040
Signature Date
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC

SHEET 126

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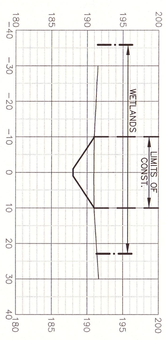
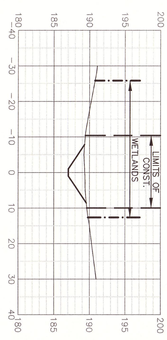
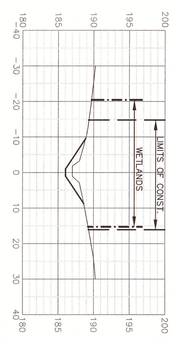
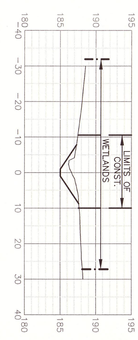
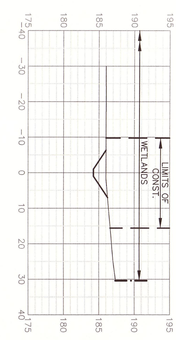
Greenway U1-1
CROSS SECTIONS

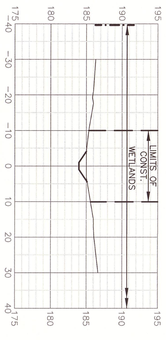


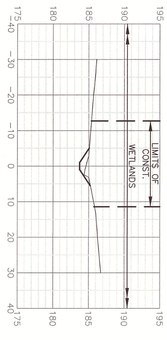


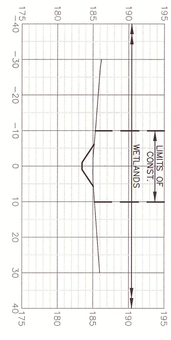


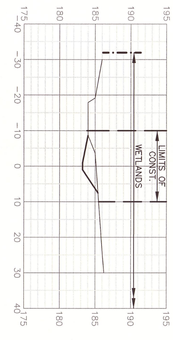


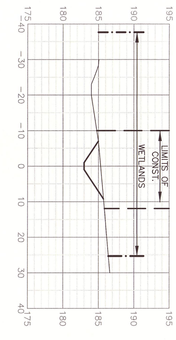


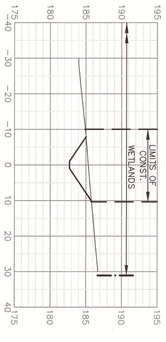


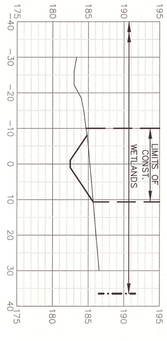


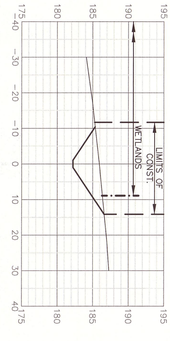


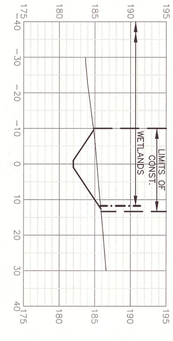


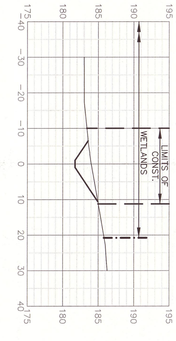


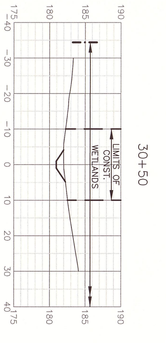


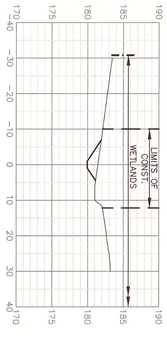


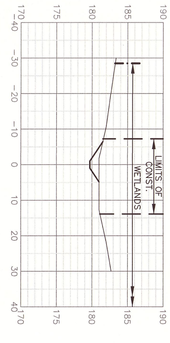


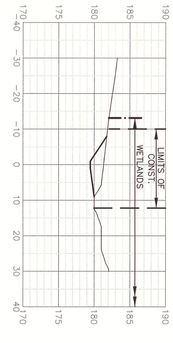


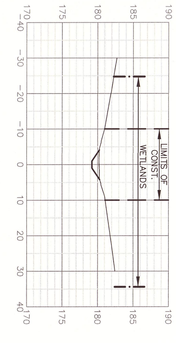


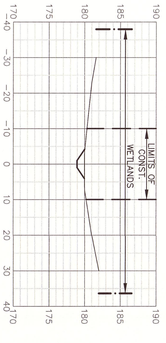


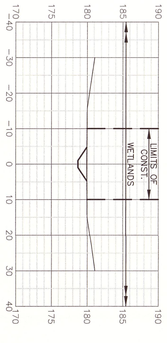


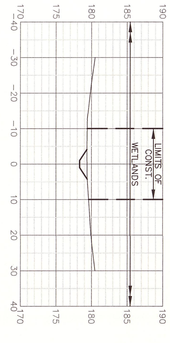


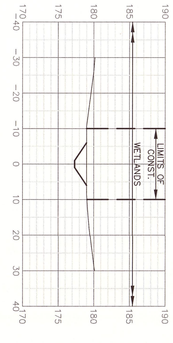


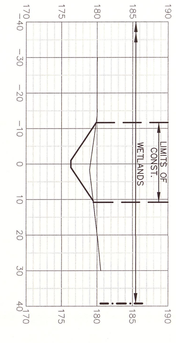












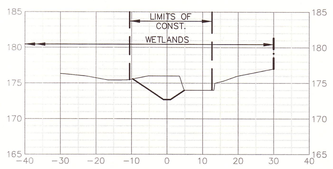
SCALE:
1"=5' HORIZ.
1"=10' VERT.

ATKINS 2639 N. Monroe St. Building C Tallahassee, Florida 32303 850.575.1800 FBPR Certificate of Authorization No. 24	CLIENT LEON FLORIDA'S CAPITAL COUNTY	PROJECT Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1	TASK Greenway U1-1 CROSS SECTIONS	ORIGINAL NOV. 13, 2012 REVISIONS: 1 2 3 4 5	WILLIAM K. JOHNSON P.E. NO. 41040 Signature Date NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK	JOB NO. 100014954 DRAWN MR DESIGNED GCB CHECKED WKJ QC SHEET 127

Greenway U1-1
CROSS SECTIONS

0 10' 20'
0 5' 10'
SCALE:
1"=20' HORIZ.
1"=10' VERT.

37+50



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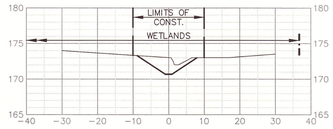

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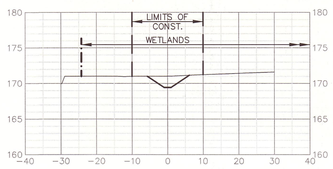

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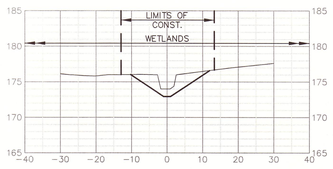

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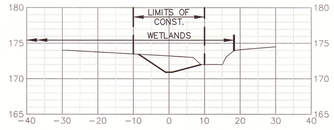

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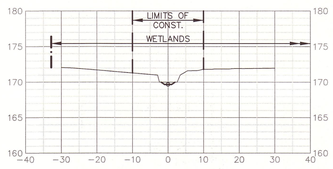

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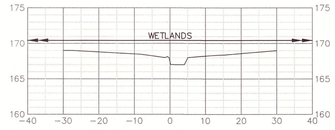

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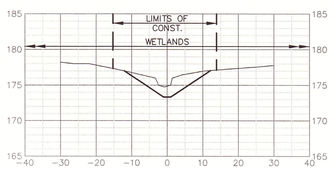

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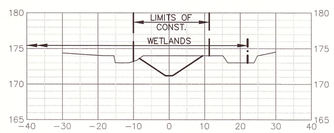

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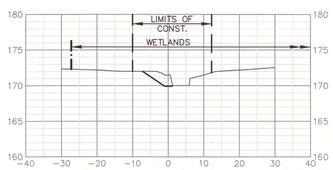

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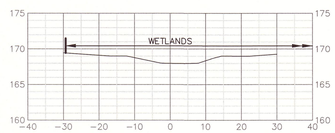

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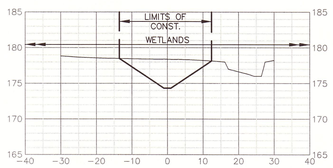

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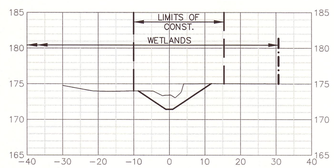

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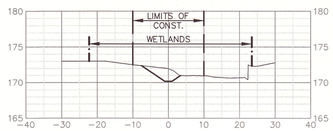

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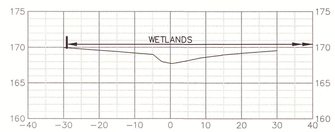

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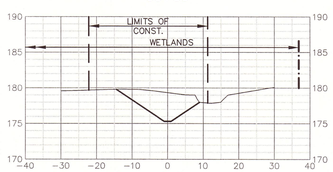

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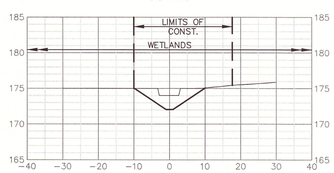

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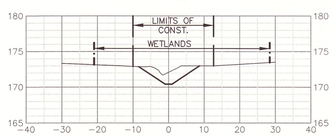

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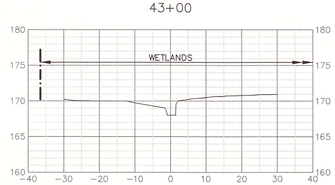
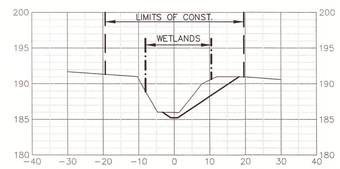


Greenway U1-2
CROSS SECTIONS

WETLANDS END AT STA. 62+74

62+50



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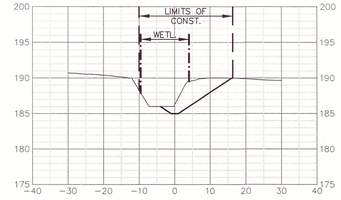

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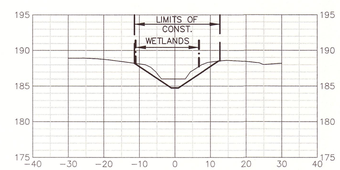

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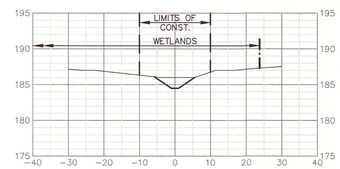

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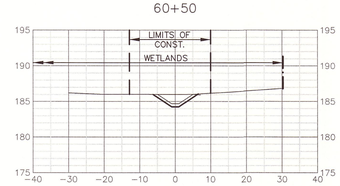

JOB NO. 100014954
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QC
SHEET 128

WILLIAM K. JOHNSON
P.E. NO. 41040
Signature Date
NOT VALID WITHOUT SIGNATURE AND RAISED SEAL OR EMBOSSED SEAL

ORIGINAL NOV. 13, 2012
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TASK
Greenway U1-1 & U1-2
CROSS SECTIONS

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Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

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FLORIDA'S CAPITAL COUNTY

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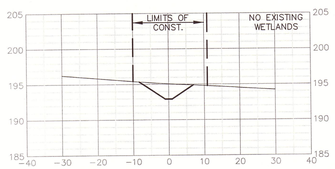
Greenway U1-2
CROSS SECTIONS

65+00



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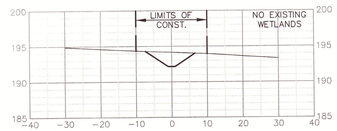

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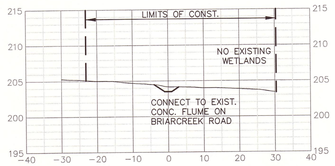

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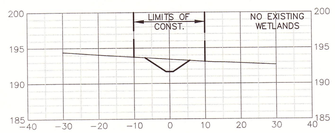

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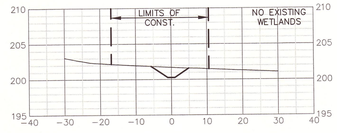

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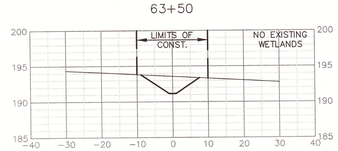

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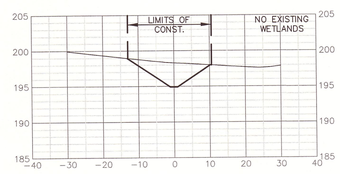

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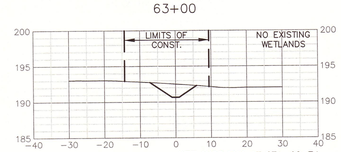

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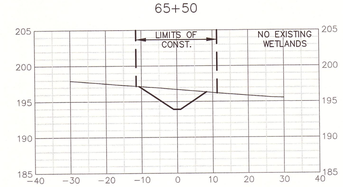
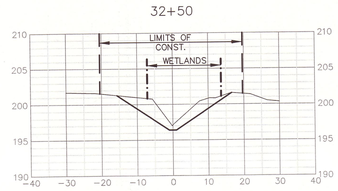


Greenway U1-3
CROSS SECTIONS

SCALE:
1"=20' HORIZ.
1"=10' VERT.

32+50



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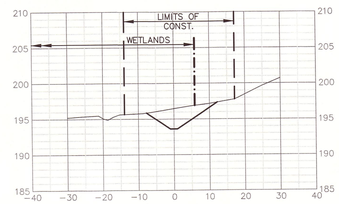

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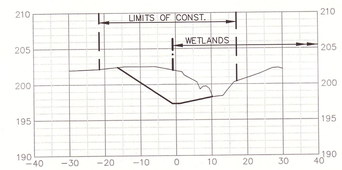

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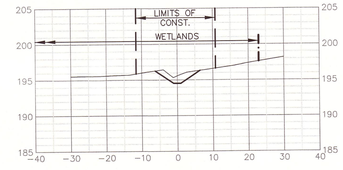

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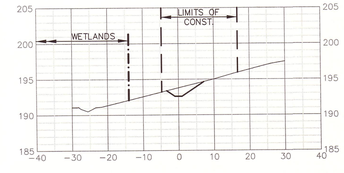

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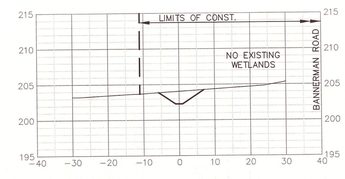

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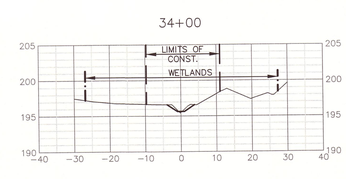

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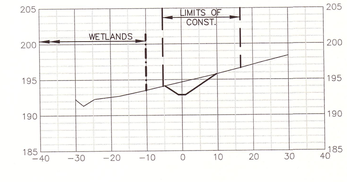

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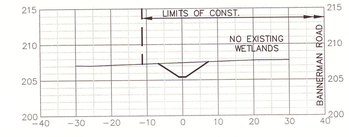

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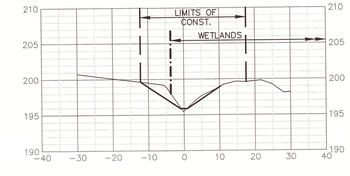

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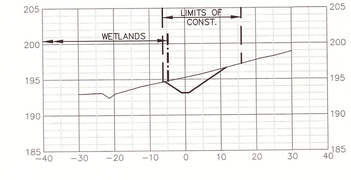

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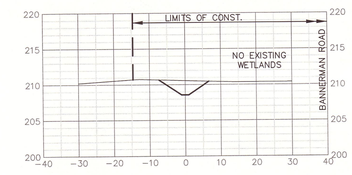

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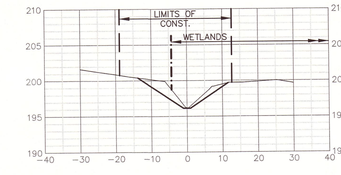

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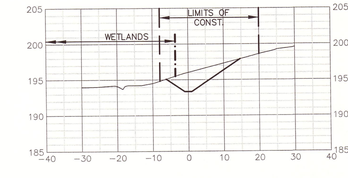

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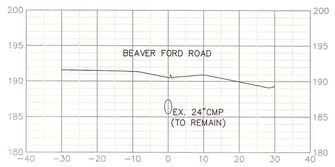
Greenway U1-3
CROSS SECTIONS

SCALE:
1"=20' HORIZ.
1"=10' VERT.

39+50



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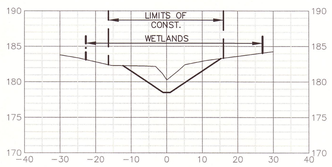

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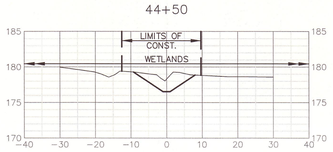

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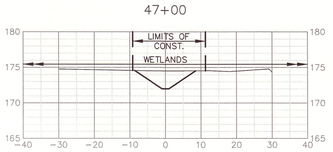

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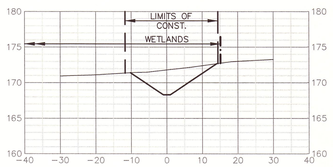

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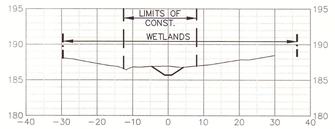

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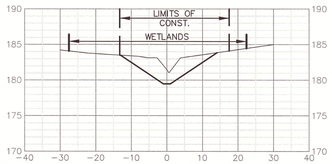

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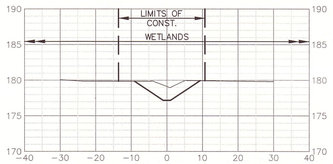

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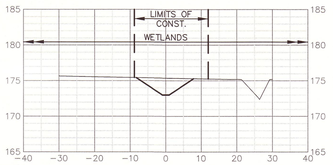

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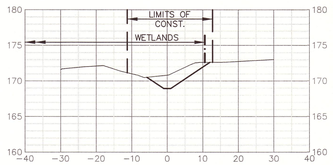

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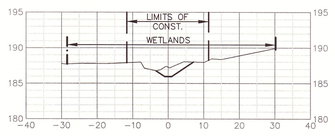

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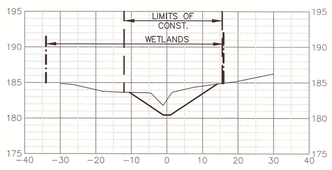

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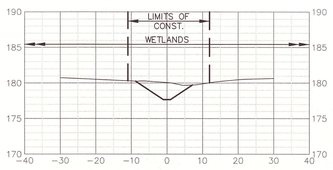

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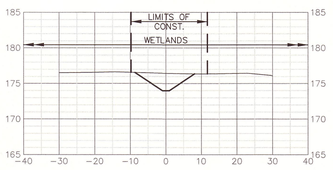

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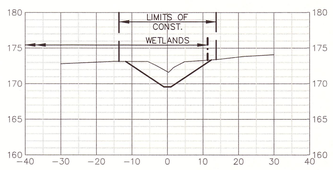

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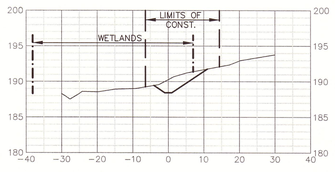

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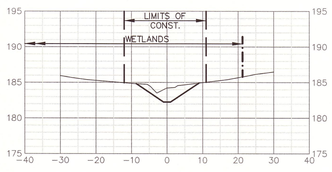

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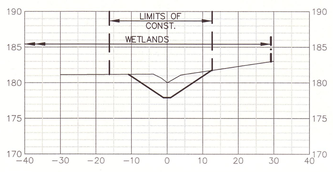

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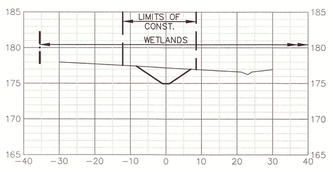

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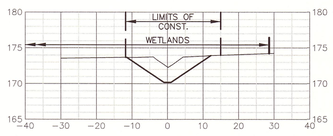

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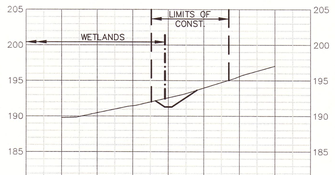

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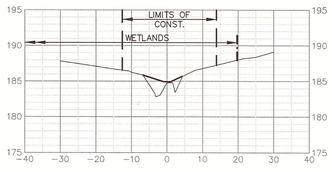

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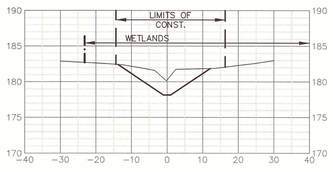

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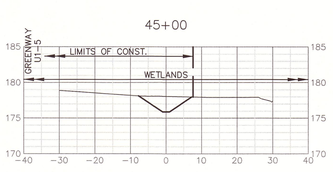

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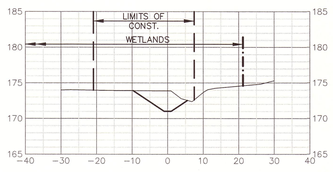

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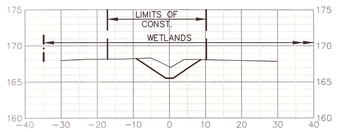
1"=10' VERT.

52+00



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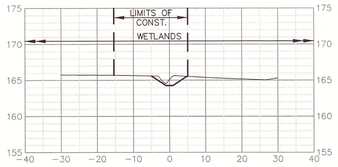

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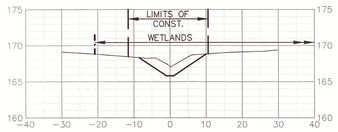

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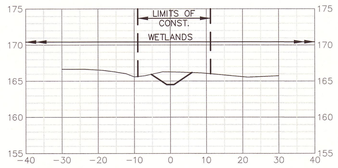

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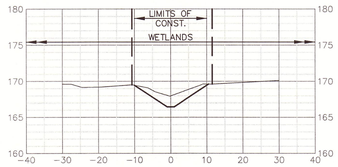

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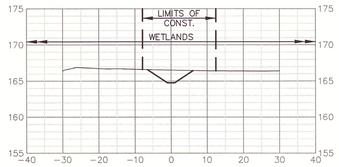

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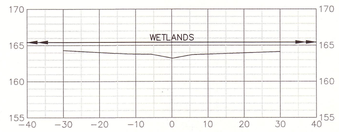

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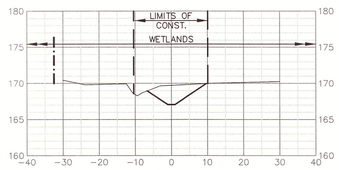

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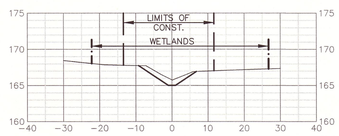

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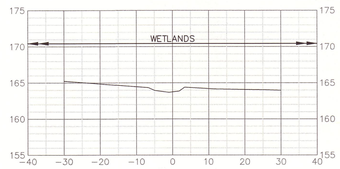

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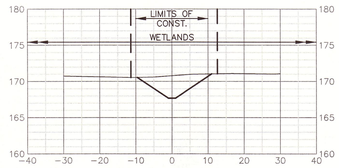

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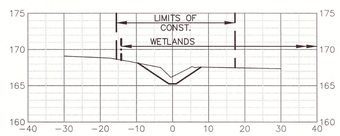

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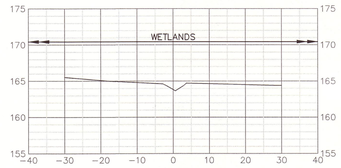
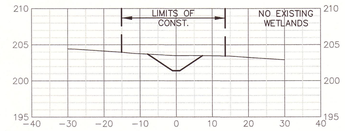


Greenway U1-4
CROSS SECTIONS

41+50



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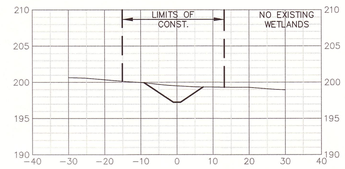
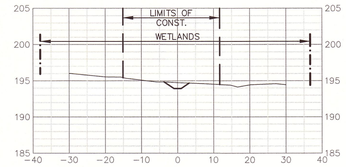


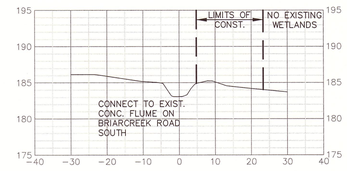
WETLANDS END AT STA. 40+62

40+50



Greenway U1-5
CROSS SECTIONS

52+00



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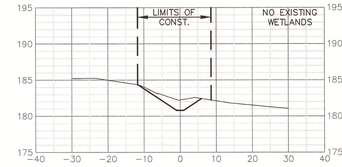

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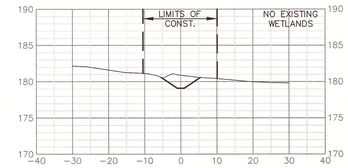

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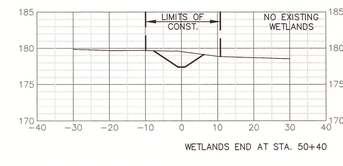


WETLANDS END AT STA. 50+40

JOB NO. 100014954
DRAWN MR
DESIGNED CCB
CHECKED WKJ
QC
SHEET 131

WILLIAM K. JOHNSON
P.E. NO. 41040
Signature Date
NOT VALID FOR CONSTRUCTION
UNLESS SIGNED IN BLACK

ORIGINAL NOV. 13, 2012
REVISIONS:
1
2
3
4
5

TASK
Greenway U1-3, U1-4 & U1-5 CROSS SECTIONS

PROJECT
Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

CLIENT
LEON COUNTY FLORIDA'S CAPITAL COUNTY

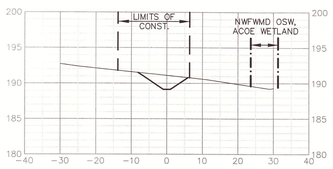
ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
FBPR Certificate of Authorization No. 24

C:\Temp\AcPublish_5628\Base-Unit-1.dwg 11/12/2012 03:31:43 PM

Greenway U1-6
CROSS SECTIONS

SCALE:
1"=20' HORIZ.
1"=10' VERT.

62+50



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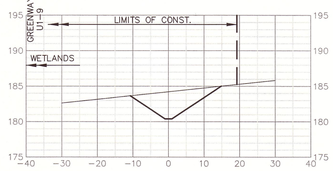

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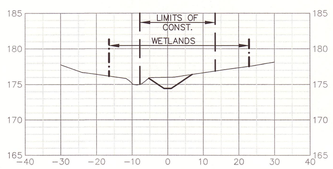

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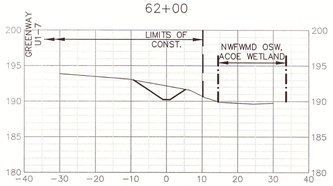

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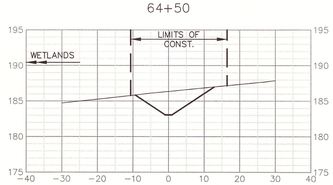

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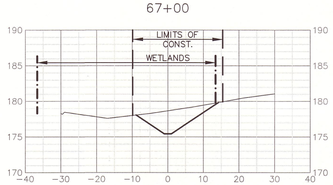

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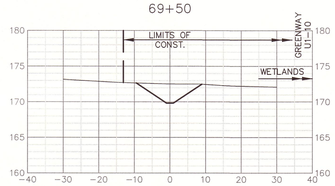

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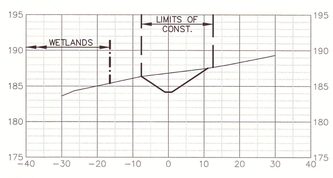

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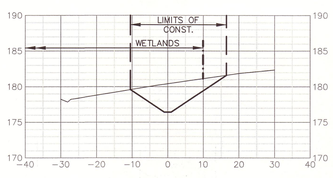

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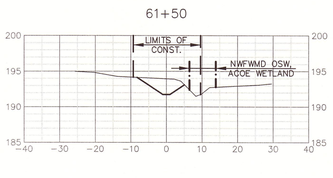

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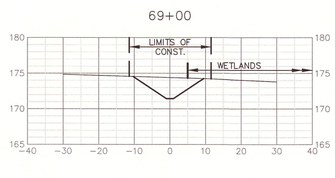

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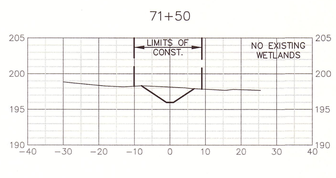

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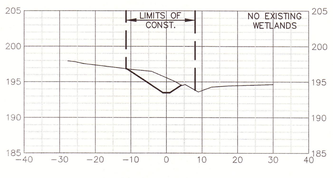

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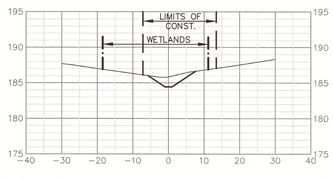

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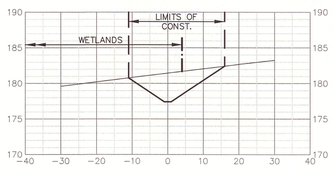

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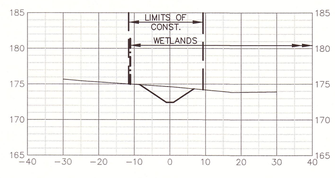

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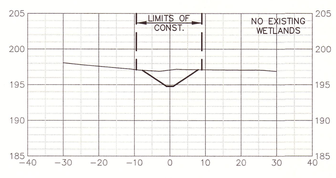

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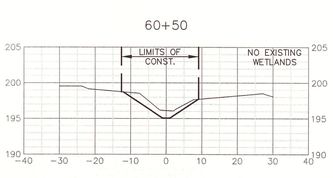

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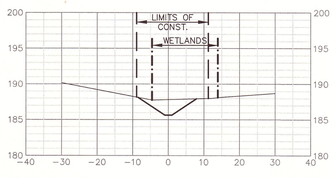

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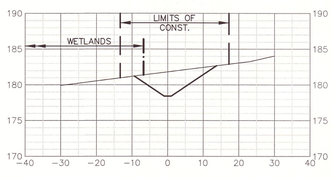

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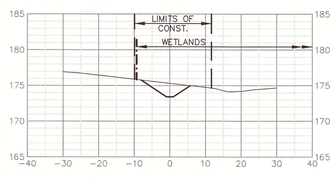

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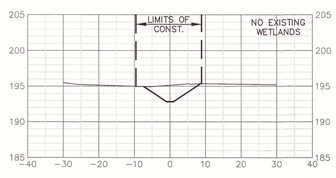
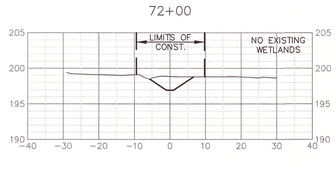


Greenway U1-7
CROSS SECTIONS

72+00



JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET 132

WILLIAM K. JOHNSON
P.E. NO. 41040
Signature
Date
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

ORIGINAL NOV. 13, 2012
REVISIONS:
1
2
3
4
5

TASK
Greenway U1-6 & U1-7
CROSS SECTIONS

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

CLIENT
LEON COUNTY
FLORIDA'S CAPITAL COUNTY

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
FBPR Certificate of Authorization No. 24

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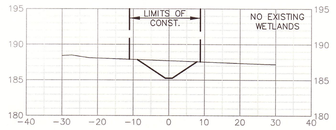
Greenway U1-8 CROSS SECTIONS

82+00



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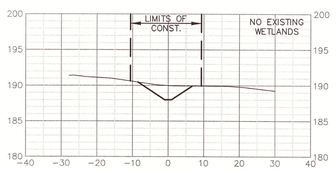

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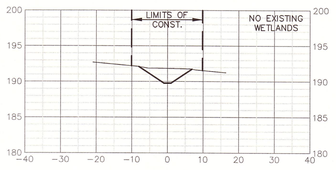

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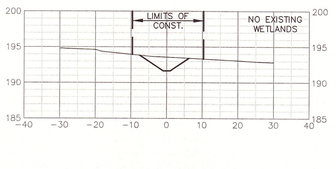
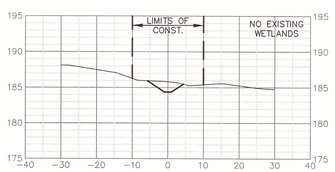
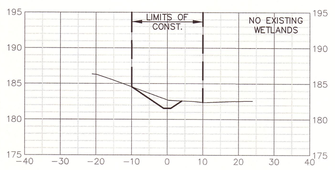


Greenway U1-9 CROSS SECTIONS

91+50

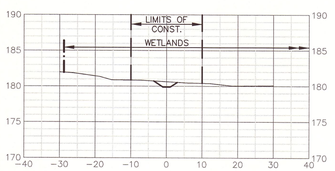


91+00



WETLANDS END AT STA. 90+71

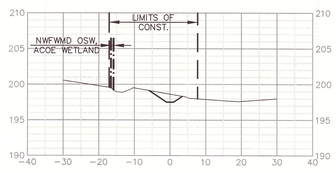
90+50



Greenway U1-10 CROSS SECTIONS

SCALE:
1"=20' HORIZ.
1"=10' VERT.

12+50



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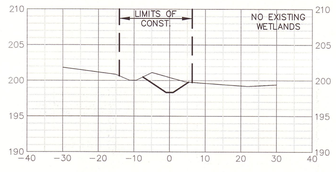
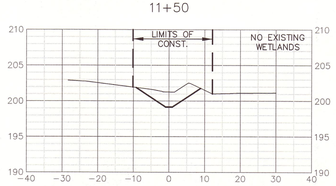


11+50



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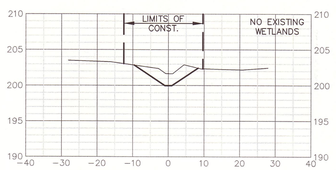

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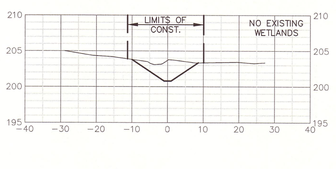

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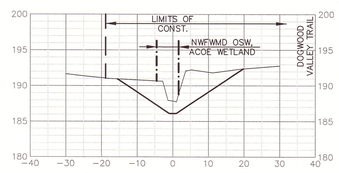

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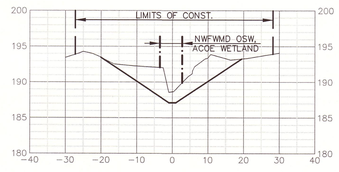

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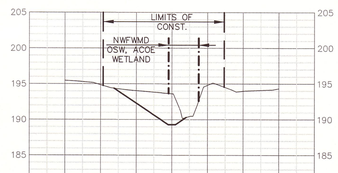

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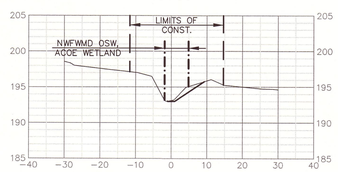

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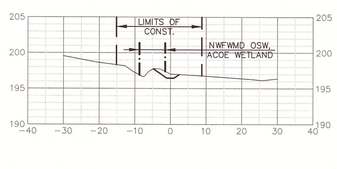

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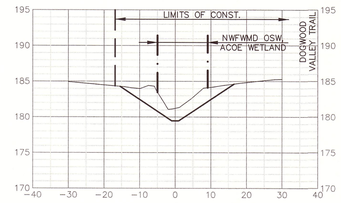

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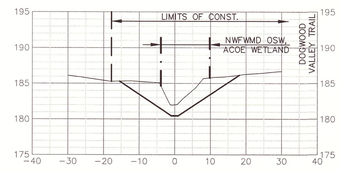

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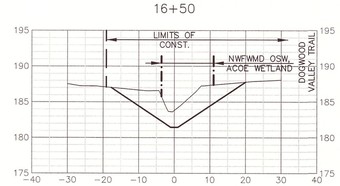

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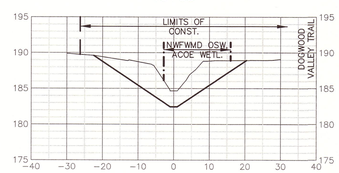

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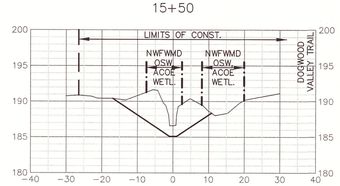

JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET 133

WILLIAM K. JOHNSON
P.E. NO. 41040
Signature Date
NOT VALID WITHOUT ORIGINAL SIGNATURE AND RAISED SEAL

ORIGINAL NOV. 13, 2012
REVISIONS:
1
2
3
4
5

TASK
Greenway U1-8, U1-9 & U1-10 CROSS SECTIONS

PROJECT
Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

CLIENT
LEON COUNTY FLORIDA'S CAPITAL COUNTY

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
FBPA Certificate of Authorization No. 24

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Greenway U1-10
CROSS SECTIONS

SCALE:
1"=20' HORIZ.
1"=10' VERT.

20+00

22+50

25+00

27+50

30+00

19+50

22+00

24+50

27+00

29+50

19+00

21+50

24+00

26+50

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18+50

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TASK
Greenway U1-10
CROSS SECTIONS

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

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FLORIDA'S CAPITAL COUNTY

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Tallahassee, Florida 32303
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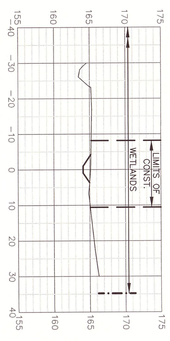
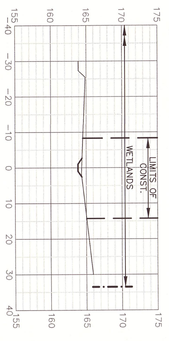
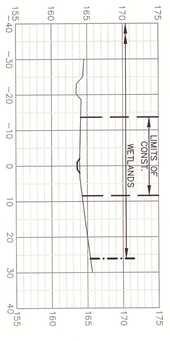
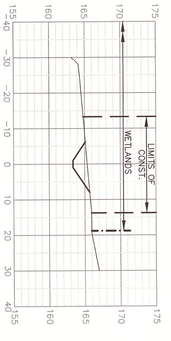
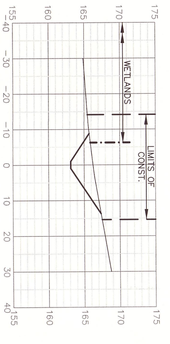
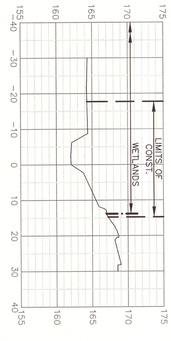


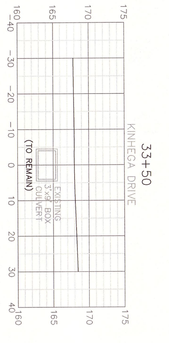












Greenway U1-10
CROSS SECTIONS

SCALE:
1"=20' HORIZ.
1"=10' VERT.

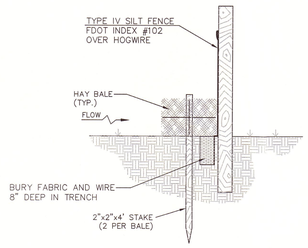
ATKINS 2639 N. Monroe St. Building C Tallahassee, Florida 32303 850.575.1800 FBPR Certificate of Authorization No. 24	CLIENT LEON FLORIDA'S CAPITAL COUNTY	PROJECT Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1	TASK Greenway U1-10 & U1-11 CROSS SECTIONS

ORIGINAL NOV. 13, 2012
REVISIONS:
1
2
3
4
5

WILLIAM K. JOHNSON
P.E. NO. 41040
Signature Date
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC

SHEET 135



MAINTENANCE NOTES:

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SHEET FLOW APPLICATION: SILT FENCE

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3. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 12 INCHES. WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.
4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER. TRENCHING SHALL NOT BE ALLOWED WITHIN THE CPZ OF TREES TO REMAIN.
5. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES, OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THEN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
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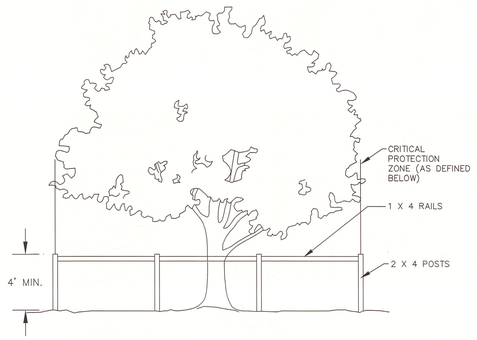
1/400 STAKED TYPE IV SILT FENCE WITH HAY BALES
NTS



NOTES:

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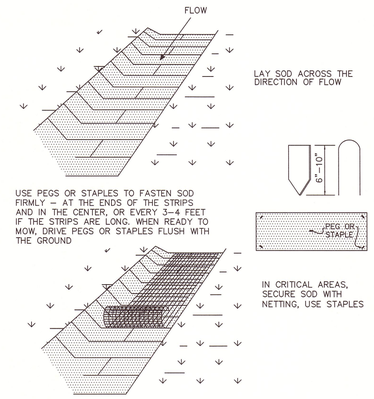
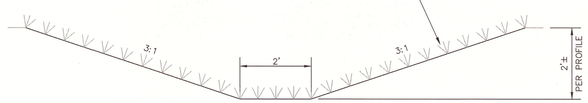
2/400 TREE PROTECTION BARRICADE
NTS



3/400 SODDING DETAILS FOR SWALES
NTS



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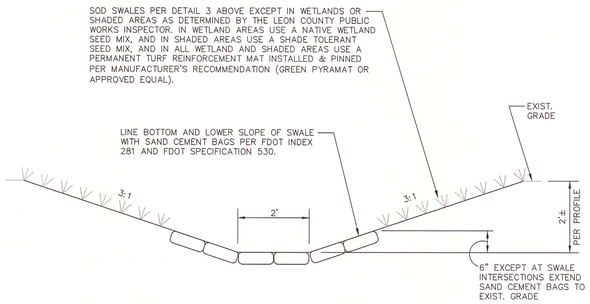

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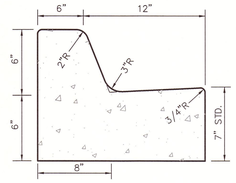

9/400 CONC. CURB
NTS

JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET 400

WILLIAM K. JOHNSON
P.E. NO. 41040
Signature Date
NOT VALID WITHOUT SIGNATURE AND RAISED SEAL OF FLORIDA LICENSED ENGINEER

ORIGINAL NOV. 13, 2012
REVISIONS:
1
2
3
4
5

TASK
CONSTRUCTION DETAILS

PROJECT
Killearn Lakes Greenways
Maintenance and Restoration
Plans - Phase 1

CLIENT
LEON COUNTY FLORIDA'S CAPITAL COUNTY

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
FBPR Certificate of Authorization No. 24

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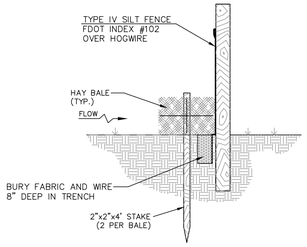
Revised Sheets 2-17-15



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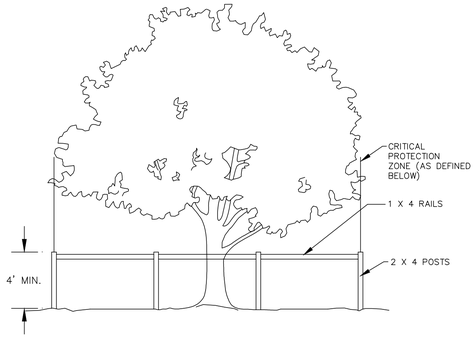

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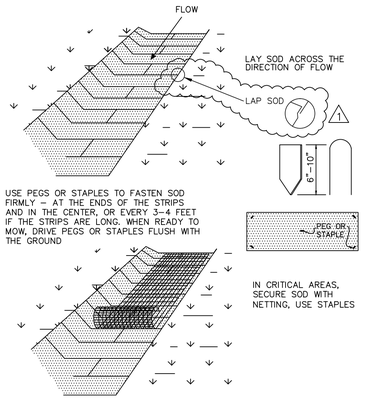
2/400 TREE PROTECTION BARRICADE
NTS



3/400 SODDING DETAILS FOR SWALES
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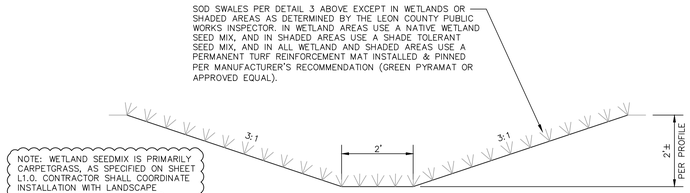
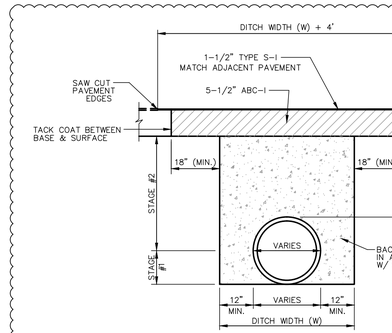


5/400 SODDED SWALE
NTS



DENSITY PROCEDURES:

THE BACKFILL FOR THE FIRST AND SECOND STAGES SHALL BE PLACED IN 6" LAYERS (COMPACTED THICKNESS) AND SHALL BE COMPACTED TO 100% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99.

STAGE #1

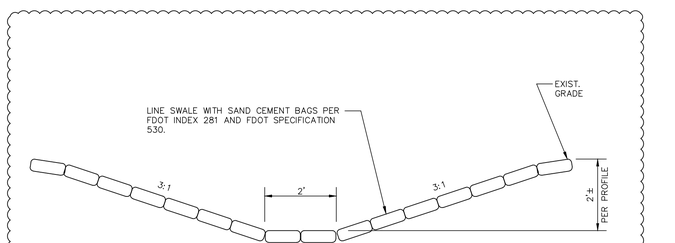
THE CONTRACTOR SHALL PROVIDE ADEQUATE COMPACTED FILL BENEATH THE HAUNCHES OF THE PIPE, USING MECHANICAL TAMPS SUITABLE FOR THIS PURPOSE. THIS COMPACTION APPLIES TO THE MATERIAL PLACED BENEATH THE HAUNCHES OF THE PIPE AND ABOVE ANY BEDDING REQUIRED.

STAGE #2

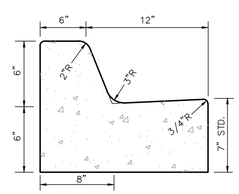
THE CONTRACTOR SHALL OBTAIN A WELL-COMPACTED BED AND FILL ALONG THE SIDES OF THE PIPE AND TO A POINT INDICATING THE TOP OF SUB-GRADE MATERIAL.

6/400 PAVEMENT REPLACEMENT FOR PIPE INSTALLATION & PIPE REMOVAL
NTS

1



7/400 SAND CEMENT DITCH PAVING
NTS



9/400 CONC. CURB
NTS

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JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET 400

W. K. JOHNSON ENGINEERING, INC. CERTIFICATE OF AUTHORIZATION NO. 41040 STATE OF FLORIDA REGISTERED PROFESSIONAL ENGINEER

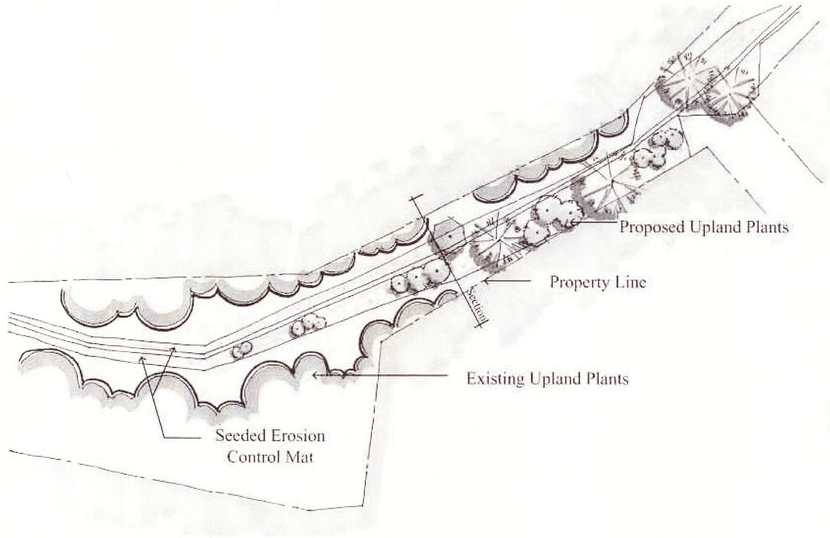
ORIGINAL NOV. 13, 2012
REVISIONS: 1 2/17/15 2 3 4 5

TASK CONSTRUCTION DETAILS

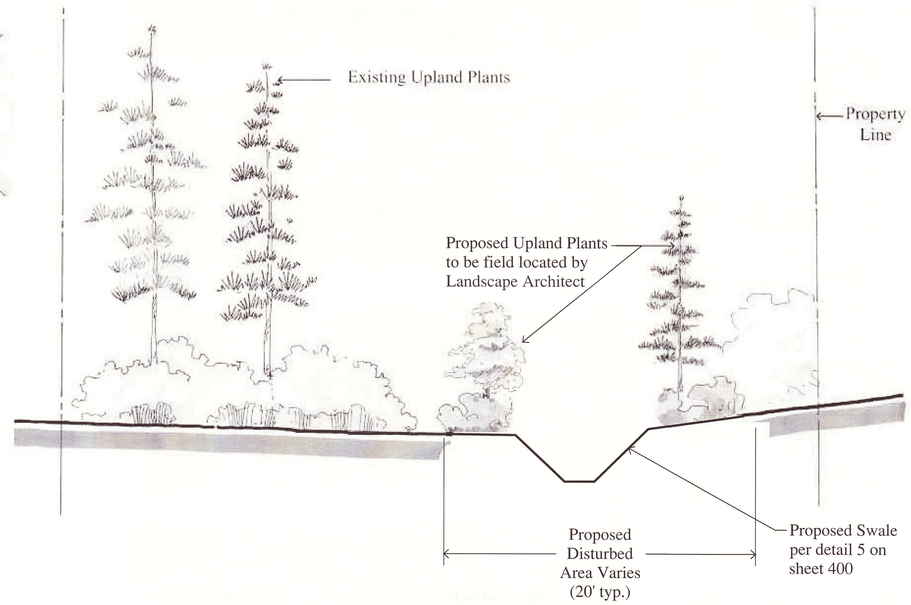
PROJECT Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

CLIENT LEON COUNTY FLORIDA'S CAPITAL COUNTY

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
FBPR Certificate of Authorization No. 24



TYPICAL UPLAND PLAN N.T.S



TYPICAL UPLAND SECTION N.T.S

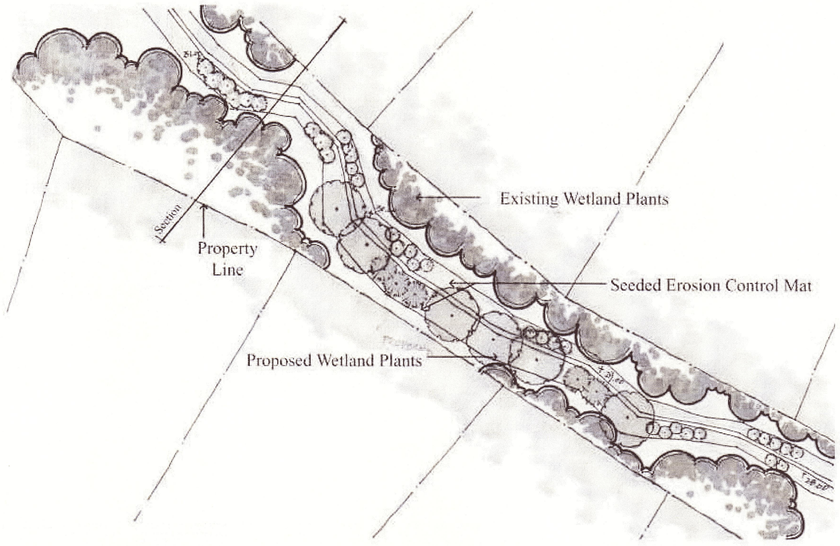
UPLAND PLANT LIST		
Trees (all shall be 15 gal. or 1" cal.)		**200**
Cornus florida	Flowering Dogwood	10
Diospyros virginiana	Persimmon	20
Cercis canadensis	Redbud	10
Carya glabra	Pignut Hickory	20
Ilex vomitoria	Yaupon Holly	10
Liquidambar styraciflua	Sweetgum	10
Magnolia grandiflora	Southern Magnolia	20
Nyssa sylvatica	Black Gum	20
Pinus palustris	Longleaf Pine	20
Prunus angustifolia	Chickasaw Plum	20
Quercus virginiana	Live Oak	20
Sassafras albidum	Sassafras	20
Shrubs (all shall be 1 gal.)		**1000**
Callicarpa americana	Beautyberry	150
Erythrina herbacea	Cherokee Bean	125
Hamamelis virginiana	Witch-hazel	50
Ilex glabra	Inkberry	160
Ilex vomitoria	Yaupon Holly	160
Vaccinium darrowii	Darrow's Blueberry	100
Vaccinium myrsinites	Shiny Blueberry	100
Viburnum dentatum	Southern Arrowwood	155
Groundcover, Vines, and Ferns (all shall be 1 gal.)		**2000**
Muhlenbergia capillaris	Pink Muhly	800
Eragrostis spectabilis	Purple Lovegrass	800
Gelsemium sempervirens	Carolina Jasamine	100
Lonicera sempervirens	Coral Honeysuckle	100
Yucca filamentosa	Adam's Needle	200
Wildflowers (seed)		
Coreopsis lanceolata	Lanceleaf Coreopsis	12,000 sy
Phlox drummondii	Drummond Phlox	6,000 sy

NOTE: THE LANDSCAPE SUPERVISOR FOR THIS PROJECT WILL BE:

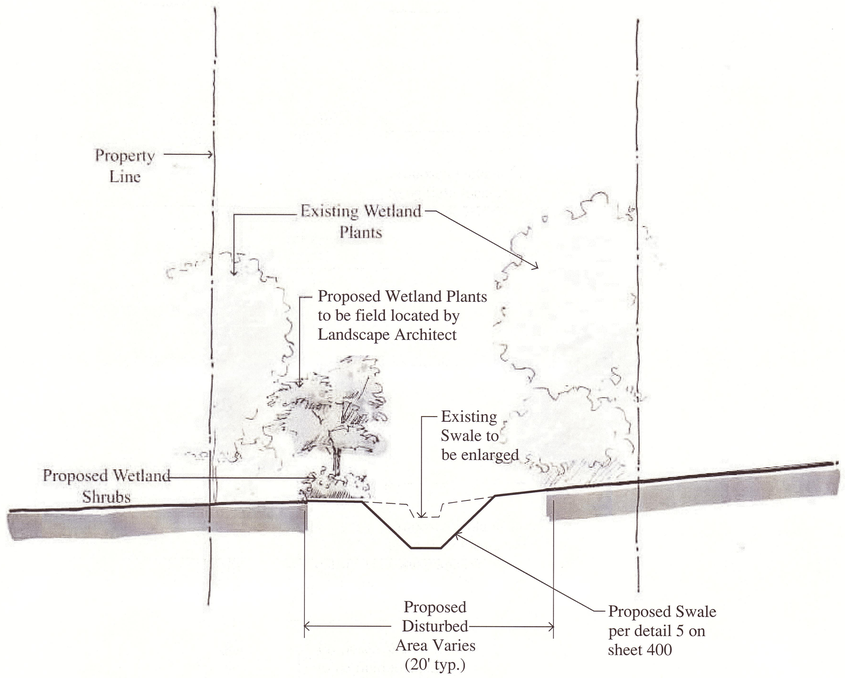
Patricia H. Farley
Landscape Designer, ATKINS
2639 N. Monroe Street, Bldg. C
Tallahassee, FL 32303
Tel: (850) 575 1800

THE CONTRACTOR WILL FOLLOW THE ARBORICULTURAL MITIGATION PLAN DESCRIBED ON SHEET L2.0 FOR ALL TREES WITHIN THE LIMITS OF CONSTRUCTION, AND ALL POTENTIALLY IMPACTED TREES.

THE TREE QUANTITIES SHOWN HERE ON THE UPLAND AND WETLAND PLANT LIST ARE APPROXIMATE. PRIMARILY TO BE USED TO PROVIDE THE CONTRACTOR AN APPROXIMATE NUMBER OF PLANTS THAT ARE EXPECTED TO BE USED TO ESTABLISH UNIT PRICING DURING BIDDING, BUT THE ACTUAL AMOUNT TO BE PLANTED WILL BE DETERMINED BY THE LANDSCAPE ARCHITECT IN THE FIELD BASED ON FIELD CONDITIONS.



TYPICAL WETLAND PLAN N.T.S



TYPICAL WETLAND SECTION N.T.S

WETLAND PLANT LIST		
Trees (all shall be 15 gal. or 1" cal.)		**100**
Acer saccharum	Florida Maple	15
Cornus foemina	Stiff Cornel Dogwood	10
Gordonia lasianthus	Loblolly Bay	10
Halesia diptera	Silverbell	12
Ilex cassine	Dahoon Holly	6
Liquidambar styraciflua	Sweetgum	10
Magnolia virginiana	Sweet-bay	15
Nyssa biflora	Swamp Tupelo	12
Betula nigra	River birch	10
Shrubs (all shall be 1 gal.)		**500**
Ilex glabra	Inkberry	95
Itea virginica	Virginia-willow	80
Myrica cerifera	Wax Myrtle	95
Vaccinium corymbosum	Highbush Blueberry	90
Viburnum dentatum	Southern Arrowwood	70
Viburnum obovatum	Small Viburnum	70
Groundcover, Vines, and Ferns (all shall be 1 gal. except carpetgrass)		**1000**
Axonopus fissifolius (seed)	Carpetgrass	3,000 sy
Dryopteris ludoviciana	Southern Woodfern	100
Panicum virgatum	Switchgrass	300
Juncus effusus	Soft Rush	300
Osmunda cinnamonea	Cinnamon Fern	300
Wildflowers (all shall be 1 gal.)		**500**
Helianthus angustifolium	Swamp Sunflower	125
Iris virginica	Blue Flag Iris	125
Liatris spicata	Blazingstar	125
Lobelia cardinalis	Cardinal Flower	125

JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET L1.0

WILLIAM K. JOHNSON
F.E. NO. 41040
Signature Date
NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL SEAL OF A FLORIDA LICENSED ARCHITECT OR ENGINEER

ORIGINAL NOV. 13, 2012
REVISIONS:
1
2
3
4
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TASK
CONCEPTUAL LANDSCAPE RESTORATION PLANS

PROJECT
Killearn Lakes Greenways Maintenance and Restoration Plans - Phase 1

CLIENT
LEON COUNTY FLORIDA'S CAPITAL COUNTY

ATKINS
2639 N. Monroe St. Building C
Tallahassee, Florida 32303
850.575.1800
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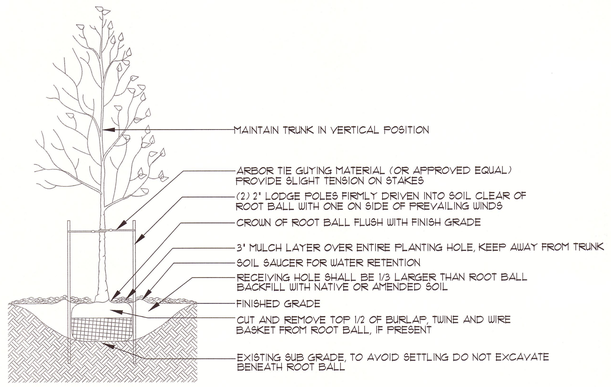


NOTES:
1. DO NOT DAMAGE MAIN ROOTS OR ROOT BALL WHEN INSTALLING TREE STAKE.
2. WATER THOROUGHLY AFTER INSTALLATION.
3. REMOVE SAUCER AND STAKES ONE YEAR AFTER INSTALLATION.
4. PROVIDE DRAINAGE FOR PLANTING PIT IF IN IMPERMEABLE SOIL.

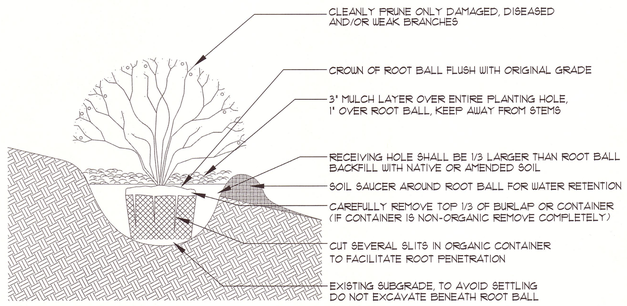
1 TREE PLANTING/STAKING DETAIL

N.T.S.

NOTES:
1. WATER THOROUGHLY AFTER INSTALLATION.
2. PROVIDE WEED BARRIER FABRIC FOR ALL PLANTING BEDS. SEE GENERAL NOTES/CONTRACT DOCUMENTS FOR SPECIFICATION.
3. FOR PLANTING BED INSTALLATION EXCAVATE ENTIRE SHRUB BED AS SHOWN ON PROJECT DRAWINGS.
4. REMOVE SOIL SAUCER ONE YEAR AFTER INSTALLATION.

2 SHRUB/GROUNDCOVER PLANTING DETAIL

N.T.S.



NOTES:
1. WATER THOROUGHLY AFTER INSTALLATION.
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3. FOR PLANTING BED INSTALLATION EXCAVATE ENTIRE SHRUB BED AS SHOWN ON PROJECT DRAWINGS.
4. REMOVE SOIL SAUCER ONE YEAR AFTER INSTALLATION.

3 SHRUB/GROUNDCOVER PLANTING DETAIL ON SLOPE

N.T.S.

LANDSCAPE GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY THE EXISTENCE OF AND STAKE ALL UTILITIES PRIOR TO CONSTRUCTION. EXCAVATION OF PLANT PITS LOCATED WITHIN 5' OF UTILITIES SHALL BE PERFORMED BY HAND. ANY UTILITY/PLANT MATERIAL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OR ANY FIELD ADJUSTMENTS

2. THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTINGS AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR LEON COUNTY PUBLIC WORKS. ALL PLANTS SHALL MEET SIZE, CONTAINER, AND SPACING SPECIFICATIONS AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR LEON COUNTY PUBLIC WORKS. THE CONTRACTOR SHALL GUARANTEE PLANT HEALTH AND SURVIVABILITY FOR ONE YEAR FROM DATE OF PROJECT ACCEPTANCE. ANY MATERIAL NOT MEETING SPECIFICATIONS OR DISPLAYING POOR HEALTH SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

3. ALL PLANT MATERIAL SHALL BE FLORIDA NO. 1 OR BETTER AS SET FORTH IN 'GRADES AND STANDARDS FOR NURSERY PLANTS, SECOND EDITION' STANDARDS AND DESIGNATIONS. NOTIFY LANDSCAPE ARCHITECT A MINIMUM OF ONE WEEK PRIOR TO PLANT DELIVERY TO SCHEDULE ON-SITE INSPECTION UPON DELIVERY. INSTALLED PLANT MATERIAL NOT MEETING SPECIFICATIONS SHALL BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE.

4. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE PLANTING BED FIELD CHANGES TO ACCOMMODATE SITE CONDITIONS AND TO ACHIEVE THE DESIGN INTENT. THE LANDSCAPE CONTRACTOR SHALL FLAG ALL TREE AND BEDLINE LOCATIONS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO ANY INSTALLATION.

5. ALL PLANTS SHALL RECEIVE A 3" LAYER OF PINE STRAW MULCH. ALL TREES NOT IN A SHRUB/GROUNDCOVER BED SHALL RECEIVE A LAYER OF MULCH SIX FEET IN DIAMETER AND 3" THICK WITH A 1" LAYER OVER THE ROOT BALL.

6. THE LANDSCAPE CONTRACTOR SHALL CONDUCT REPRESENTATIVE SOIL ANALYSIS PRIOR TO THE INSTALLATION OF ANY PLANT MATERIAL. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE DESIGNER OF ANY IMPROPER SOIL CONDITION (NUTRITIONAL DEFICIENCIES, WETNESS, MUCK, DEBRIS, ETC.) AND SHALL RECOMMEND FOR APPROVAL, PRIOR TO INSTALLATION, ALL SOIL AMENDMENTS THAT MAY BE NECESSARY TO PROMOTE HEALTHY, VIGOROUS PLANT GROWTH.

7. THE LANDSCAPE CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING VEGETATION DISTURBED BY PLANT MATERIAL INSTALLATION ACTIVITIES. THIS REPAIR/REPLACEMENT SHALL BLEND SEAMLESSLY WITH THE EXISTING LANDSCAPE. ALL DISTURBED AREAS WILL BE SODDED.

8. THE LANDSCAPE CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR IN PREPARING PLANTING AREA FINAL GRADE ELEVATIONS.

9. LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT A MINIMUM OF 48 HOURS PRIOR TO COMPLETION TO SCHEDULE FINAL WALK THROUGH. A FINAL WALK THROUGH SHALL NOT BE PERFORMED IF PREVIOUS PUNCH LISTS ARE NOT COMPLETED.

NOTE: THE LANDSCAPE SUPERVISOR FOR THIS PROJECT WILL BE:

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INVASIVE PLANT MANAGEMENT PLAN:

The Certified Arborist will coordinate with the Environmental inspector and the Landscape Architect to specify to the contractor which trees or plants outside of the limits of construction, but within the Greenways are Invasive and/or Exotic Species to be removed as part of the mitigation for Wetland Impacts to this project.

The Arborist will also specify what method of removal, and herbicides are to be used, in such a way to minimize impacts to plants and trees that will remain, and be installed.

ARBORICULTURAL MITIGATION PLAN:

SITE MONITORING
All tree protection procedures and activities shall be monitored and approved throughout the construction period by a Certified Arborist.

SOIL TESTING
The Critical Protection Zone (CPZ) of the designated trees shall be soil tested for existing nutrient content to determine the necessity of fertilizer application and recommended percentages and rates. The soil samples shall be taken within the CPZ; multiple samples shall be taken if locations of obvious change in soil texture and color exist within the CPZ. Samples shall be submitted to IFAS Extension Soil Testing Laboratory or approved soil testing service for analysis and recommendations.

Percolation tests shall be performed within the CPZ of each designated tree to determine the necessity of soil aeration. Multiple samples shall be taken if locations of obvious change in soil texture and color exist within the CPZ.

The Certified Arborist shall be responsible for all soil testing. Submittals of samples shall be made to the Owner's Agent and the Landscape Architect for review.

WATERING
All protected trees shall be watered as necessary to deliver a minimum rate equivalent to one inch of rainfall per week. Application rate shall be dependent upon soil type and weather conditions. A tensiometer shall be required for verification of application rates. Care shall be taken to prevent water from soaking the base of trees and root collars. Irrigation shall commence as far in advance as possible to development activity and shall continue through the completion of the project. All watering shall be under the direction and supervision of the Certified Arborist.

ROOT PRUNING
Root pruning shall occur prior to site grading, earthwork, excavation or any other activity which may damage the roots of a tree proposed for mitigation in all areas of demolition or new construction requiring removal of existing roots: i.e. excavation, construction of footings, retaining walls, curbs paving and base. Roots shall be cut with a mechanical trenching device to a minimum depth of 18" followed immediately by a clean-cut hand pruning of all roots of greater than $\frac{3}{4}$" diameter. Root pruning shall occur in advance of site clearing or excavation or construction. All exposed pruned or cut roots shall be covered immediately with topsoil, mulch or other organic medium. When it is not possible to back fill within an hour (in sun) or two hours (in shade) the exposed roots shall be covered with burlap and the burlap kept moist until back filling occurs.

PRUNING
Pruning shall be performed by a Certified Arborist in accordance with the ANSI A300 standards as directed on site by the Landscape Architect or determined by the Certified Arborist. Pruning and crown thinning shall be done to all dead and diseased limbs that harbor decay and all heavy concentrations of moss and vines shall be removed that compete with crown foliage. All branch removal for the clearance or raising of larger limbs for traffic or structures shall be done by the Certified Arborist. All limbs larger than six inch diameter that are proposed to be cut shall first be approved by the Certified Arborist and work performed by the Certified Arborist.

Removal of competing understory trees, shrubs and vines shall be done by the Certified Arborist. Any propagules of exotic invasive plants shall be removed from the site and destroyed in a manner that prevents the spread of invasive infestation.

SOIL AERATION
Soil aeration shall be performed by the Certified Arborist upon his recommendation based on results of percolation tests within the CPZ. If required, use a $1\frac{1}{2}$ – $1\frac{3}{4}$ inch diameter soil auger to drill holes to a depth of 12 inches every 24 inches apart, starting three feet from the trunk collar outward to five feet past the drip line of the tree. The entire area within the CPZ of the tree should be aerated.

MULCHING
Mulching shall be used throughout the project within the CPZ of the protected trees to the greatest extent possible. A 2–3 inch layer of mulch, preferably wood chips, shall be placed over the entire CPZ of the protected tree. Where heavy construction traffic will be located within a portion of the CPZ, a layer of 4–6 inches of wood chips, covered with $\frac{3}{4}$ inch plywood placed over the mulch shall be placed down to lessen soil compaction and damage to the tree roots.

FERTILIZING
Fertilizing and pH adjustment should be in response to the soil test. Fertilize with a complete fertilizer, containing at least 5% nitrogen in organic form, including minor elements. Apply in the spring at a rate recommended by soil testing service. Fertilizer proposed for soil injection and/or liquid fertilization should be in a ratio of elements as determined by soil tests and the Certified Arborist as well as application method. Water soil immediately after initial application of fertilizer at a rate equivalent to one inch of rainfall.

JOB NO. 100014954
DRAWN MR
DESIGNED GCB
CHECKED WKJ
QC
SHEET L2.0

WILLIAM K. JOHNSON P.E. NO. 41040
Signature & Date
NOT VALID FOR CONSTRUCTION UNLESS SIGNED, DATED & SEALED

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1 2 3 4 5

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