

April 23, 2018

BOARD OF COUNTY COMMISSIONERS
ORANGE COUNTY, FLORIDA

Y18-754-EB / ADDENDUM # 2
B-14 BOGGY CREEK PIPELINE IMPROVEMENTS SEGMENT A

New Bid Opening Date: May 1, 2018

This addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to and shall take precedence over the original documents. Underlining indicates additions, deletions are indicated by ~~strikethrough~~.

1. The bid opening date is hereby changed from ~~April 24, 2018~~ to May 1, 2018.
2. Part D, Page D-3, paragraphs 2 and 3 are hereby changed to read as follows:
 2. Substantially complete in ~~one hundred twenty (120)~~ one hundred fifty (150) consecutive calendar days from date of Official Notice to Proceed.
 3. Final completion in ~~one hundred fifty (150)~~ two hundred ten (210) consecutive calendar days from date of Official Notice to Proceed.
3. Part E, Article VI, Time of Commencement and Final Completion is hereby changed to read as follows:
 - b. Substantial Completion of the Work shall be achieved not later than ~~one hundred twenty (120)~~ one hundred fifty (150) consecutive calendar days from date of Official Notice to Proceed.
 - c. Final Completion of the Work shall be achieved not later than ~~one hundred fifty (150)~~ two hundred ten (210) consecutive calendar days from date of Official Notice to Proceed.
4. The following information is provided to answer questions received from prospective bidders:
 - a. **Question:** Please provide a drainage map of the drainage basin upstream and downstream of the project location. **Answer:** Neither modeling nor a drainage map was completed for this project because it is a replacement of an existing system. The best available information for drainage area is provided by the Boggy Creek SWMMP model (June 1998). Per the master plan model, sub-basins B14CANAL, B14POND, and GASCOMP contribute

to B14 system. See attached Exhibit 1 for subbasins that contribute to the B-14 pipeline system.

- b. **Question:** There appears to be a pond at the SW corner of the intersection of Boggy Creek and Tradeport Drive where the existing 60" RCP discharges, is this the case? Additionally; there appears to be a control structure at the south side of this pond, can the county operate this structure to lower the pond elevation to 78.15 or lower? **Answer:** The existing 60" RCP discharges at Lake Gillooly southeast of the Boggy Creek Road and Tradeport Drive intersection. Lake Gillooly is operated & maintained by GOAA; it has a permitted control elevation of 75.0 feet NAVD (SFWMD ERP App No. 160122-4 and 170221-2 / Permit No. 48-00063-S). The County does not have authority to modify or operate this structure. See attached permit (Application No. 170221-2) for W-331 Lake Gillooly Expansion. A drainage report is provided under Application No. 160122-4 but was too large to transmit via email.
- c. **Question:** Are there any control structures up stream of new S-1 that the water elevation can be controlled by the county during the project? If not, can the contractor build a temporary control on the west side of Boggy Creek at the inlet structure and if so how much vertical elevation can be utilized in the existing upstream pond for storage of storm water events? **Answer:** There is a water control structure (County Structure CS037) directly across Boggy Creek Road (to the west) from structure S-1. County Report Stormwater Management Plan for Canal B-14 Outfall System (September 1988) identifies a permitted wet season water level of 81 ft NGVD and a permitted dry season elevation of 82 ft NGVD. Per the report, the B-14 Retention Pond (13 acre pond located 700 feet west CS037) shall not exceed 90 feet NGVD during the 25-year storm event or else flood impacts will occur. If a contractor seeks to use storage upstream of CS037 (subject to County approval), they would need to demonstrate doing so would not result in any adverse impacts.
- d. **Question:** When should the contractor expect the county to issue the NTP for this project? This project is best suited to be built before or after the 2018 rainy/hurricane season to minimize the delays and expense of daily rain events or severe weather. **Answer:** The Notice to Proceed date will be negotiated with the awarded contractor taking into consideration his recommendations and weather related effects.
5. All other terms and conditions of the IFB remain the same.
6. The Proposer shall acknowledge receipt of this addendum by completing the applicable section in the solicitation or by completion of the acknowledgement information on the addendum. Either form of acknowledgement must be completed and returned not later than the date and time for receipt of the proposal.

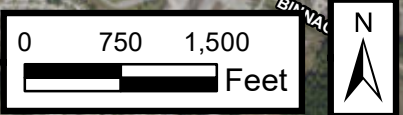
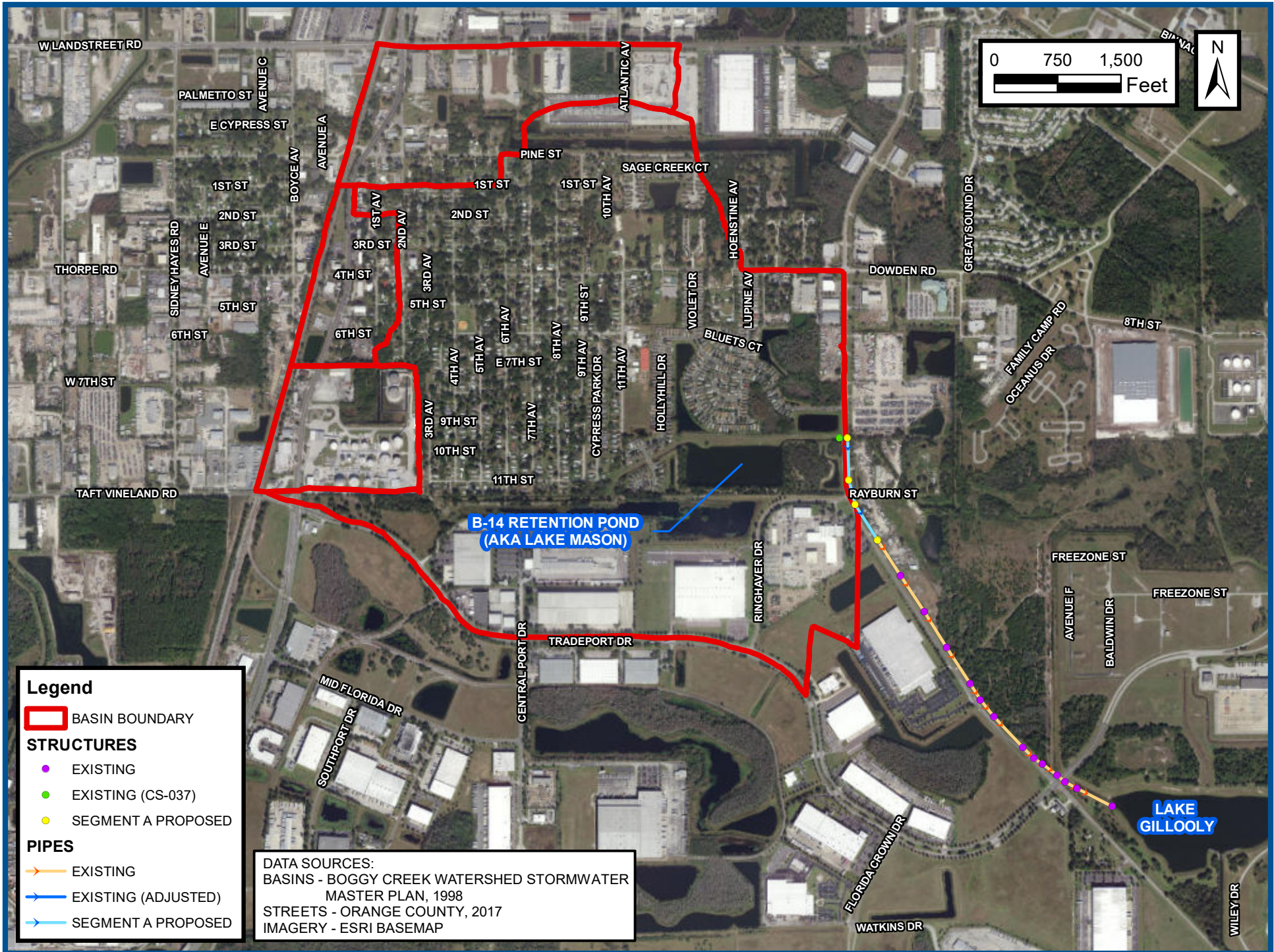
Receipt acknowledged by:

Authorized Signature

Date Signed

Title

Name of Firm



Legend

- BASIN BOUNDARY
- STRUCTURES**
- EXISTING
- EXISTING (CS-037)
- SEGMENT A PROPOSED
- PIPES**
- EXISTING
- EXISTING (ADJUSTED)
- SEGMENT A PROPOSED

DATA SOURCES:
 BASINS - BOGGY CREEK WATERSHED STORMWATER MASTER PLAN, 1998
 STREETS - ORANGE COUNTY, 2017
 IMAGERY - ESRI BASEMAP



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

District Headquarters: 3301 Gun Club Road, West Palm Beach, Florida 33406 (561) 686-8800 www.sfwmd.gov

Regulation
Application No.: 170221-2

March 21, 2017

GREATER ORLANDO AVIATION AUTHORITY
ONE JEFF FUQUA BOULEVARD
ORLANDO, FL 32827

Dear Permittee:

SUBJECT: Permit No.: 48-00063-S
Project : W-331 LAKE GILLOOLY EXPANSION
Location: Orange County, S08/T24S/R30E

District staff has reviewed the information submitted February 21, 2017, for modification to the location and properties of the previously-permitted Lake Gillooly control structure for which there is sufficient capacity in the existing master storm water management system. The lake configuration, water quality treatment properties, peak stages and discharge will not be modified by the proposed changes to the control structure. Permit No. 48-00063-S, Application No. 160122-4 Special Condition No. 3 will change as follows:

Structure: CS-01
1-3' W X 3.25' H X 50 deg. V-NOTCH with invert at elev. 75' NAVD 88.
Type D Inlet 49" X 37" with top invert at elev. 79' NAVD 88.
Receiving body: Tradeport Ditch
Control elev: 75 feet NAVD 88.

Structure: CS-02
1-70'W BROAD CRESTED weir with crest at elev. 78.25' NAVD 88.

Based on that information, District staff has determined that the proposed activities are in compliance with the original environmental resource permit and appropriate provisions of paragraph 40E-4.331(2)(b) or 62-330.315(2)(g), Florida Administrative Code. Therefore, these changes have been recorded in our files.

Your permit remains subject to the General Conditions and all other Special Conditions not modified and as originally issued.

Should you have any questions or comments regarding this authorization, please contact this office.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark S. Daron".

Mark S. Daron, P.E.
Engineer Supervisor
Orlando Service Center

Application No.: 170221-2
March 21, 2017
Page : 2

MD/ab

c: Greater Orlando Aviation Authority
Kimley-Horn & Associates Inc
Orange County Development Engineering Dept

NOTICE OF RIGHTS

As required by Sections 120.569 and 120.60(3), Fla. Stat., the following is notice of the opportunities which may be available for administrative hearing or judicial review when the substantial interests of a party are determined by an agency. Please note that this Notice of Rights is not intended to provide legal advice. Not all of the legal proceedings detailed below may be an applicable or appropriate remedy. You may wish to consult an attorney regarding your legal rights.

RIGHT TO REQUEST ADMINISTRATIVE HEARING

A person whose substantial interests are or may be affected by the South Florida Water Management District's (SFWMD or District) action has the right to request an administrative hearing on that action pursuant to Sections 120.569 and 120.57, Fla. Stat. Persons seeking a hearing on a SFWMD decision which affects or may affect their substantial interests shall file a petition for hearing with the Office of the District Clerk of the SFWMD, in accordance with the filing instructions set forth herein, within 21 days of receipt of written notice of the decision, unless one of the following shorter time periods apply: (1) within 14 days of the notice of consolidated intent to grant or deny concurrently reviewed applications for environmental resource permits and use of sovereign submerged lands pursuant to Section 373.427, Fla. Stat.; or (2) within 14 days of service of an Administrative Order pursuant to Section 373.119(1), Fla. Stat. "Receipt of written notice of agency decision" means receipt of written notice through mail, electronic mail, or posting that the SFWMD has or intends to take final agency action, or publication of notice that the SFWMD has or intends to take final agency action. Any person who receives written notice of a SFWMD decision and fails to file a written request for hearing within the timeframe described above waives the right to request a hearing on that decision.

If the District takes final agency action which materially differs from the noticed intended agency decision, persons who may be substantially affected shall, unless otherwise provided by law, have an additional Rule 28-106.111, Fla. Admin. Code, point of entry.

Any person to whom an emergency order is directed pursuant to Section 373.119(2), Fla. Stat., shall comply therewith immediately, but on petition to the board shall be afforded a hearing as soon as possible.

A person may file a request for an extension of time for filing a petition. The SFWMD may, for good cause, grant the request. Requests for extension of time must be filed with the SFWMD prior to the deadline for filing a petition for hearing. Such requests for extension shall contain a certificate that the moving party has consulted with all other parties concerning the extension and that the SFWMD and any other parties agree to or oppose the extension. A timely request for an extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

FILING INSTRUCTIONS

A petition for administrative hearing must be filed with the Office of the District Clerk of the SFWMD. Filings with the Office of the District Clerk may be made by mail, hand-delivery, or e-mail. Filings by facsimile will not be accepted. A petition for administrative hearing or other document is deemed filed upon receipt during normal business hours by the Office of the District Clerk at SFWMD headquarters in West Palm Beach, Florida. The District's normal business hours are 8:00 a.m. – 5:00 p.m., excluding weekends and District holidays. Any document received by the Office of the District Clerk after 5:00 p.m. shall be deemed filed as of 8:00 a.m. on the next regular business day. Additional filing instructions are as follows:

- Filings by mail must be addressed to the Office of the District Clerk, 3301 Gun Club Road, West Palm Beach, Florida 33406.

- Filings by hand-delivery must be delivered to the Office of the District Clerk. Delivery of a petition to the SFWMD's security desk does not constitute filing. It will be necessary to request that the SFWMD's security officer contact the Office of the District Clerk. An employee of the SFWMD's Clerk's office will receive and file the petition.
- Filings by e-mail must be transmitted to the Office of the District Clerk at clerk@sfwmd.gov. The filing date for a document transmitted by electronic mail shall be the date the Office of the District Clerk receives the complete document. A party who files a document by e-mail shall (1) represent that the original physically signed document will be retained by that party for the duration of the proceeding and of any subsequent appeal or subsequent proceeding in that cause and that the party shall produce it upon the request of other parties; and (2) be responsible for any delay, disruption, or interruption of the electronic signals and accepts the full risk that the document may not be properly filed.

INITIATION OF AN ADMINISTRATIVE HEARING

Pursuant to Sections 120.54(5)(b)4. and 120.569(2)(c), Fla. Stat., and Rules 28-106.201 and 28-106.301, Fla. Admin. Code, initiation of an administrative hearing shall be made by written petition to the SFWMD in legible form and on 8 1/2 by 11 inch white paper. All petitions shall contain:

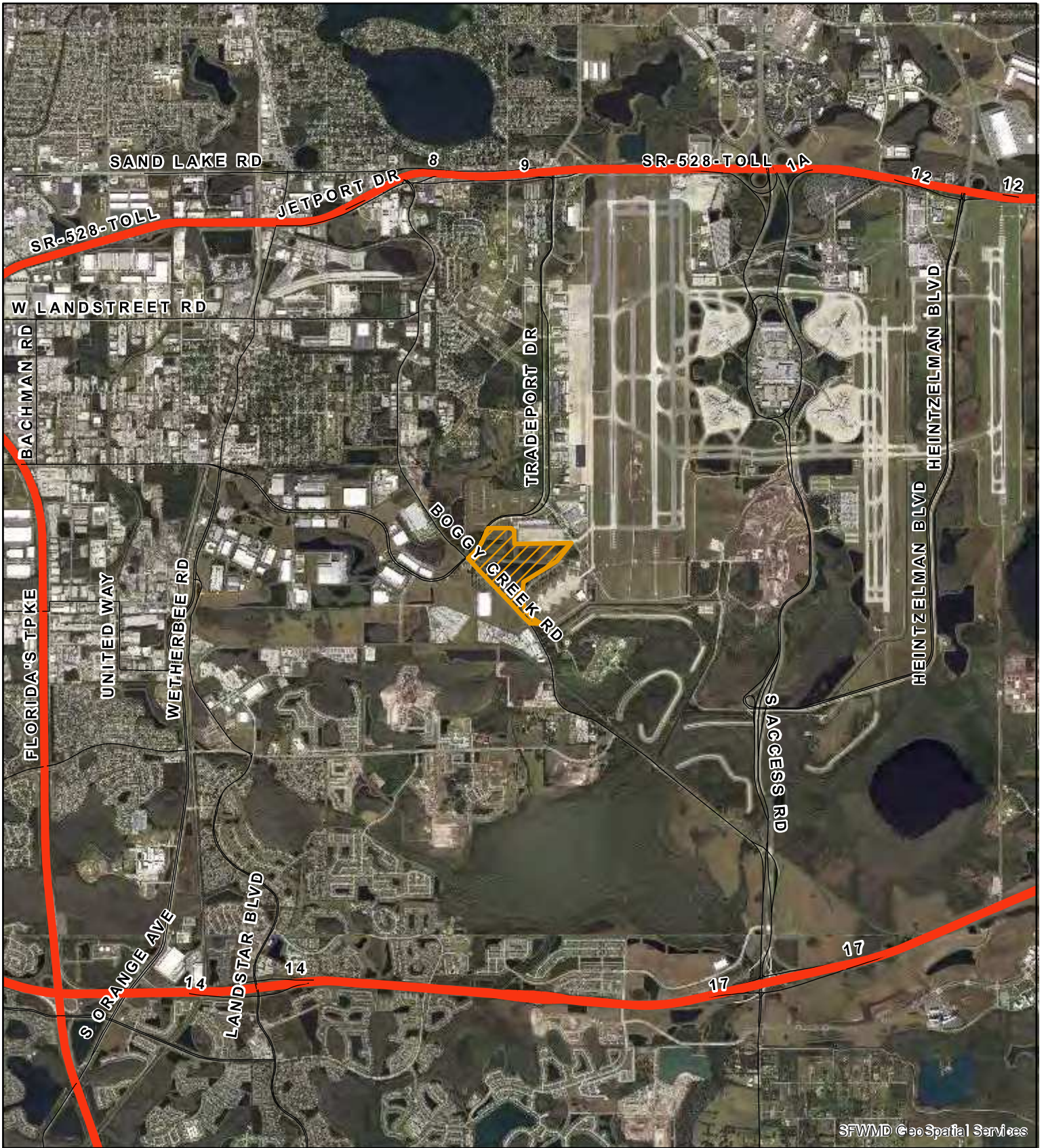
1. Identification of the action being contested, including the permit number, application number, SFWMD file number or any other SFWMD identification number, if known.
2. The name, address, any email address, any facsimile number, and telephone number of the petitioner and petitioner's representative, if any.
3. An explanation of how the petitioner's substantial interests will be affected by the agency determination.
4. A statement of when and how the petitioner received notice of the SFWMD's decision.
5. A statement of all disputed issues of material fact. If there are none, the petition must so indicate.
6. A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the SFWMD's proposed action.
7. A statement of the specific rules or statutes the petitioner contends require reversal or modification of the SFWMD's proposed action.
8. If disputed issues of material fact exist, the statement must also include an explanation of how the alleged facts relate to the specific rules or statutes.
9. A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the SFWMD to take with respect to the SFWMD's proposed action.

MEDIATION





The procedures for pursuing mediation are set forth in Section 120.573, Fla. Stat., and Rules 28-106.111 and 28-106.401–405, Fla. Admin. Code. The SFWMD is not proposing mediation for this agency action under Section 120.573, Fla. Stat., at this time.

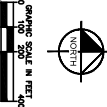
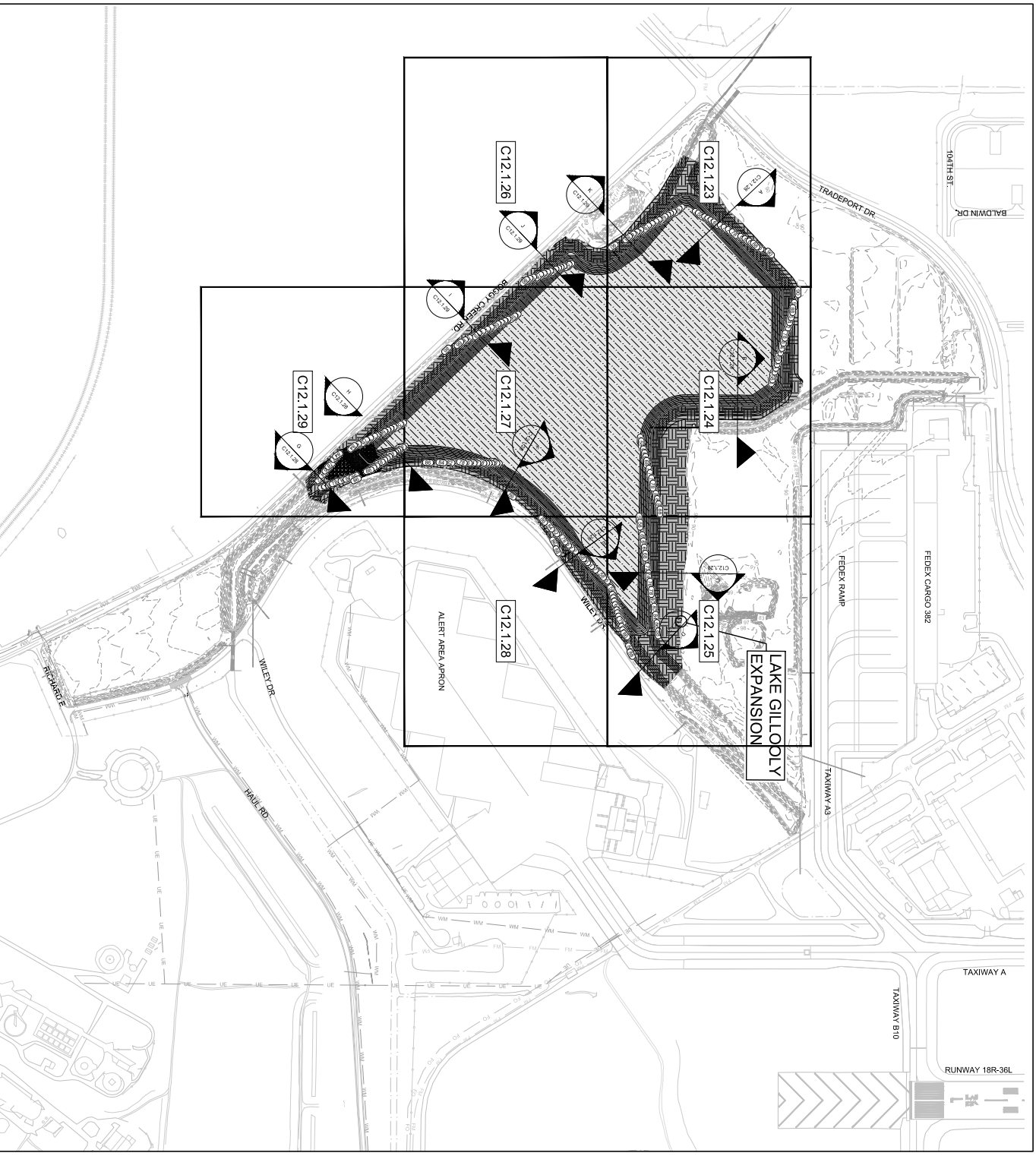
RIGHT TO SEEK JUDICIAL REVIEW

Pursuant to Section 120.68, Fla. Stat., and in accordance with Florida Rule of Appellate Procedure 9.110, a party who is adversely affected by final SFWMD action may seek judicial review of the SFWMD's final decision by filing a notice of appeal with the Office of the District Clerk of the SFWMD in accordance with the filing instructions set forth herein within 30 days of rendition of the order to be reviewed, and by filing a copy of the notice with the clerk of the appropriate district court of appeal.



SFWMD © Spatial Services

<p>Exhibit No: 1</p>	<p>Exhibit Created On: 2017-02-21</p>	<p>ORANGE COUNTY, FL</p>	<p> Application</p> <p>Permit No: 48-00063-S</p> <p>Application Number: 170221-2</p> 
<p align="center">REGULATION DIVISION</p> <p align="center">Project Name: W-331 LAKE GILLOOLY EXPANSION</p>  <p align="center">0 4,500 9,000 Feet</p> 			<p align="center">sfwmd.gov</p> <p align="center">Created by Regulation GIS Section South Florida Water Management District</p>



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REVISIONS

No.	Date	Description

Project No.: WS110

Designed By: MFB

Drawn By: MFB

Checked By: DMH

Issue Date: 01/27/2017

Drawing Scale: AS SHOWN

Project Name:
 GRADING AND
 DRAINAGE PLAN
 - OVERALL LAKE
 GILLOLY

Drawing No.:
 C12.1.4

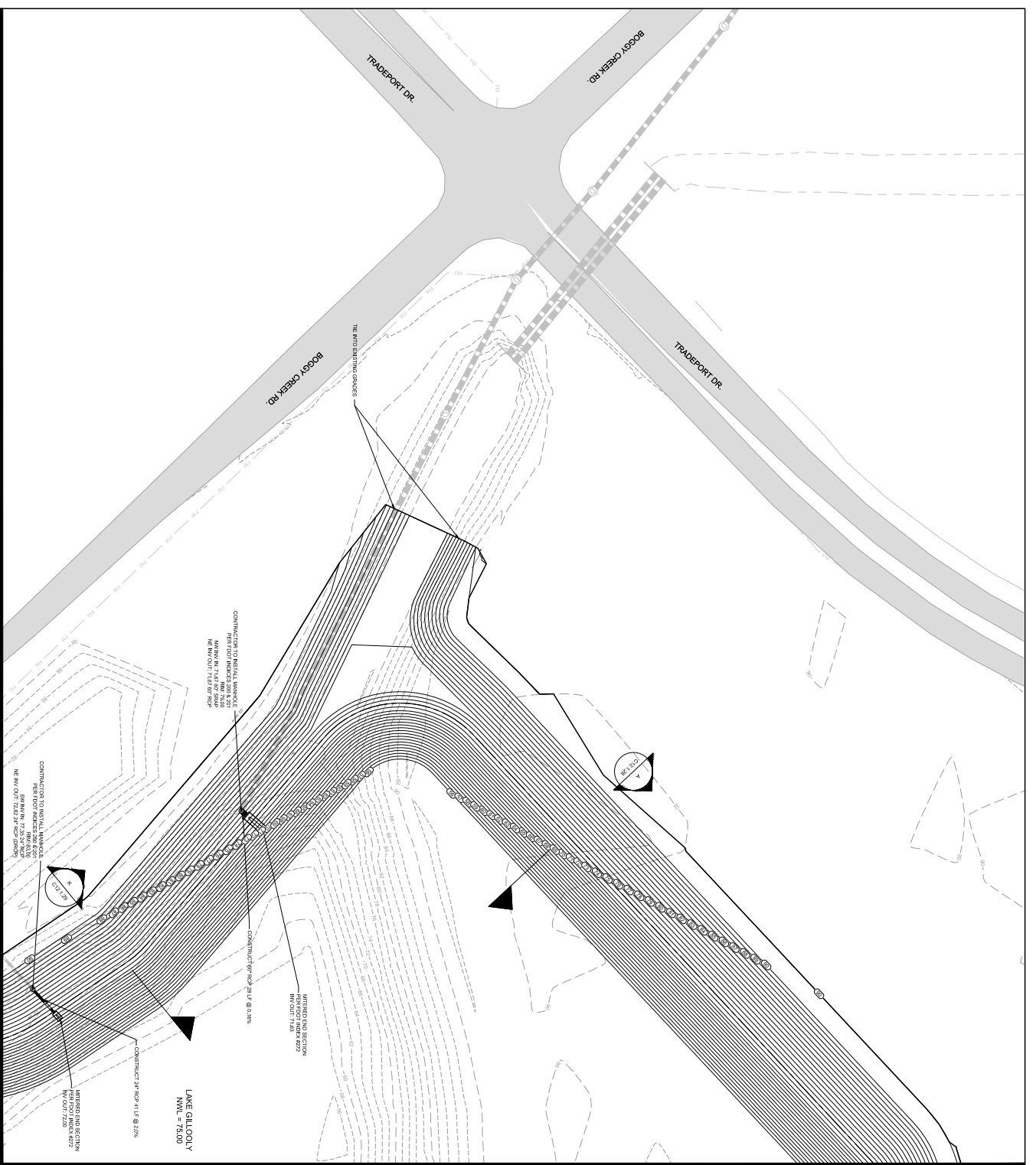
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 AYCON Inc.
 5555 E. Hampden St., Suite 200
 Denver, CO 80231
 P: 303.756.1000
 F: 303.756.1007

Kimley-Horn
 Kimley-Horn and Associates, Inc.
 3560 Maguire Blvd., Suite 200
 Denver, CO 80231
 P: 303.756.1000
 F: 303.756.1007

HNTB
 HNTB Corporation
 6150 Court Street, 400
 Suite 1000
 Denver, CO 80202
 P: 303.756.1000
 F: 303.756.1007

FENTRESS ARCHITECTS
 Fentress Architects
 421 Broadway
 Denver, CO 80202
 P: 303.756.1000
 F: 303.756.1007

AIRFIELD CIVIL
 AIRFIELD CIVIL ARCHITECTS
 1750 University Blvd., Suite 450
 Denver, CO 80202
 P: 303.756.1000
 F: 303.756.1007



LEGEND

- PROPOSED RIGHT OF WAY
- EXISTING CONTROL
- PROPOSED CONTROL
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PROPOSED FLOW LINE
- PROPOSED GROUND BREAK

GENERAL NOTES

- EXISTING UNDERGROUND UTILITIES AND PAW FROM THIS SHEET HAVE BEEN OBTAINED FROM THE CITY RECORDS. TO VERIFY ACCURACY ON THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES IN THE FIELD. ANY UNIDENTIFIED UTILITIES SHOULD BE LOCATED AND DEPTHS VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- EXISTING STORM SEWER, WATER MAINS, AND GAS LINES SHALL BE PROTECTED AND NOT TO BE DISTURBED UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.
- CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION.
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SCALE
 GRAPHIC SCALE IN FEET
 0 20 40 60 80 100

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Kimley-Horn
 Kimley-Horn and Associates, Inc.
 3580 Magazine Blvd., Suite 200
 Denver, CO 80202
 PHONE: (303) 751-5500
 FAX: (303) 751-5501
 WWW.KIMLEY-HORN.COM

HNTB
 HNTB Corporation
 610 North Platte
 Suite 400
 Little Rock, AR 72206
 PHONE: (501) 221-1000
 FAX: (501) 221-1001
 WWW.HNTB.COM

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 Fentress Architects
 421 Broadway
 4th Floor
 Charlotte, NC 28202
 PHONE: (704) 444-9977
 FAX: (704) 444-9977
 WWW.FENTRESSARCHITECTS.COM

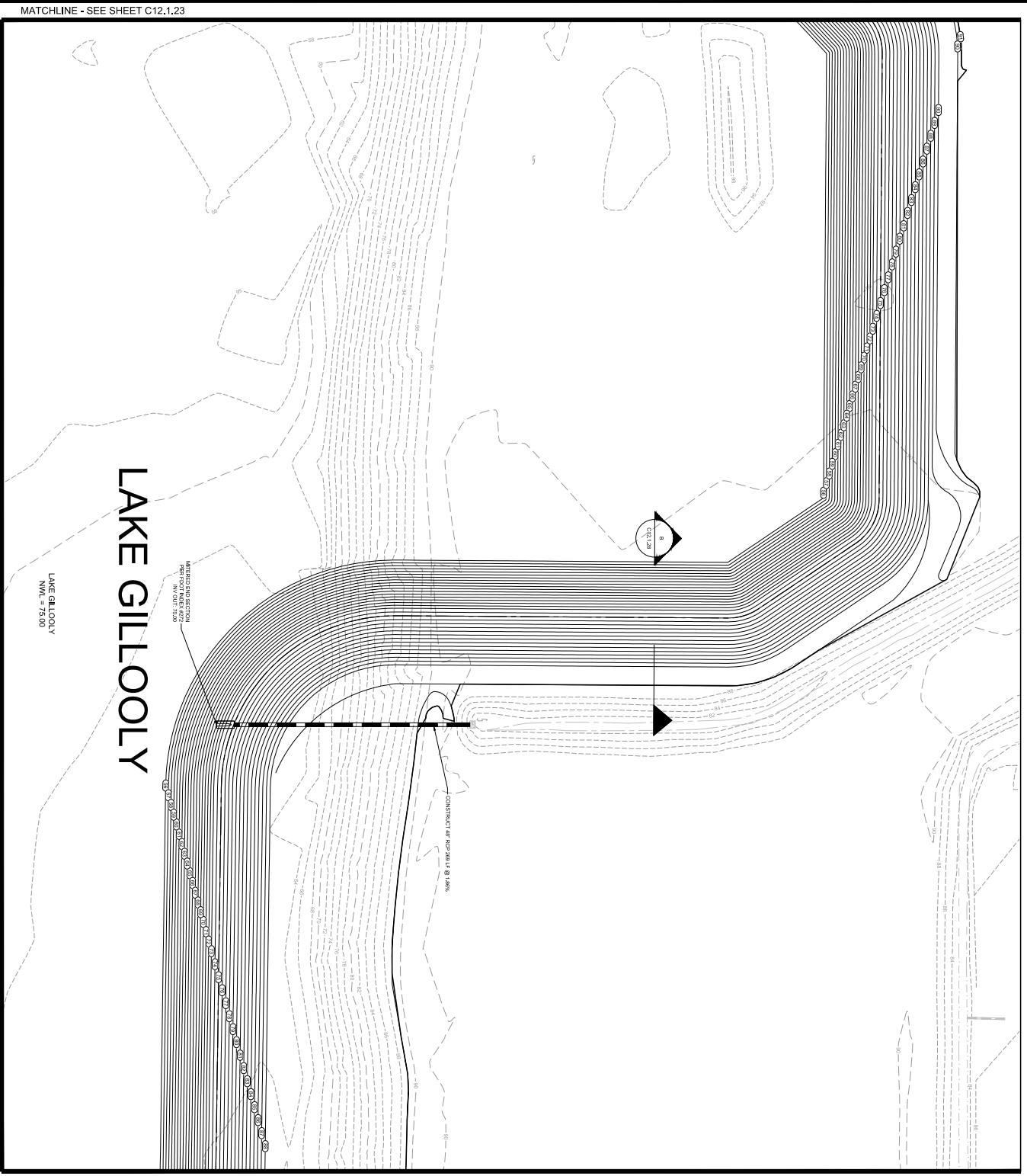
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 1111 South Terminal C
 Phase 1
 South Terminal C
 Phase 1
 W-5-110
 SOUTH TERMINAL C
 PHASE 1
 AIRFIELD CIVIL

REVISIONS

No.	Date	Description

PROJECT INFORMATION

Project No.: W5110
 Designed By: BSA
 Drawn By: MED
 Checked By: JAM
 Issue Date: 01/23/2017
 Drawing Scale: AS SHOWN
 Drawing Title: GRADING AND DRAINAGE PLAN 13 - LAKE GILLOOLY
 Drawing No.: C12.1.23



LAKE GILLOOLY

LAKE GILLOOLY
 WML - 75.00

WATER SHED SECTION
 PARCELS 8157
 NW 3017 700

CONTRACT # 107-2011-01.106



LEGEND

- PROPOSED STORM RELATION
- PROPOSED CONTROL
- PROPOSED STORM SEWER
- PROPOSED FLOW LINE
- PROPOSED GRADE BREAK

GENERAL NOTES

- EXISTING UNDERGROUND UTILITIES AND PAVEMENT ARE SHOWN BASED ON THE BEST AVAILABLE RECORDS. EXISTING UTILITIES AND PAVEMENT NOT SHOWN ON THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND DEEPENING ANY UTILITIES TO A MINIMUM OF 18" BELOW THE FINISHED GRADE OF THE ADJACENT DRIVEWAY OR SIDEWALK TO AVOID DAMAGE TO THE UTILITIES DURING THE CONSTRUCTION PROCESS.
- EXISTING UNDERGROUND UTILITIES AND PAVEMENT ARE SHOWN BASED ON THE BEST AVAILABLE RECORDS. EXISTING UTILITIES AND PAVEMENT NOT SHOWN ON THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND DEEPENING ANY UTILITIES TO A MINIMUM OF 18" BELOW THE FINISHED GRADE OF THE ADJACENT DRIVEWAY OR SIDEWALK TO AVOID DAMAGE TO THE UTILITIES DURING THE CONSTRUCTION PROCESS.
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- ADJUST ELEVATIONS AND PROTECT EXISTING UTILITIES AND PAVEMENT AS NECESSARY TO ACCOMMODATE THE PROPOSED CONSTRUCTION.
- STATION AND OFFSET DIMENSIONS REFER TO THE CENTERLINE OF THE DRIVEWAY.

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 Tallahassee, FL 32309
 PHONE: 904.436.9977

Kimley-Horn
 Kimley-Horn and Associates, Inc.
 3550 Mayfield Blvd., Suite 200
 Tallahassee, FL 32309
 PHONE: 904.436.9977

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 5555 E. Highway 33, Suite 200
 Tallahassee, FL 32309
 PHONE: 904.436.9977

TALON
 T.Y. Lin International Group
 225 E. Robinson St., Suite 450
 Tallahassee, FL 32309
 PHONE: 904.436.9977

NOT FOR CONSTRUCTION
 THESE PLANS ARE PRELIMINARY AND NOT TO BE USED FOR CONSTRUCTION. ANY CHANGES TO THESE PLANS MUST BE APPROVED BY THE ARCHITECT AND ENGINEER BEFORE CONSTRUCTION BEGINS.

No.	Date	Description

Project No. WS110

Designed By: BSA

Drawn By: MED

Checked By: JAM

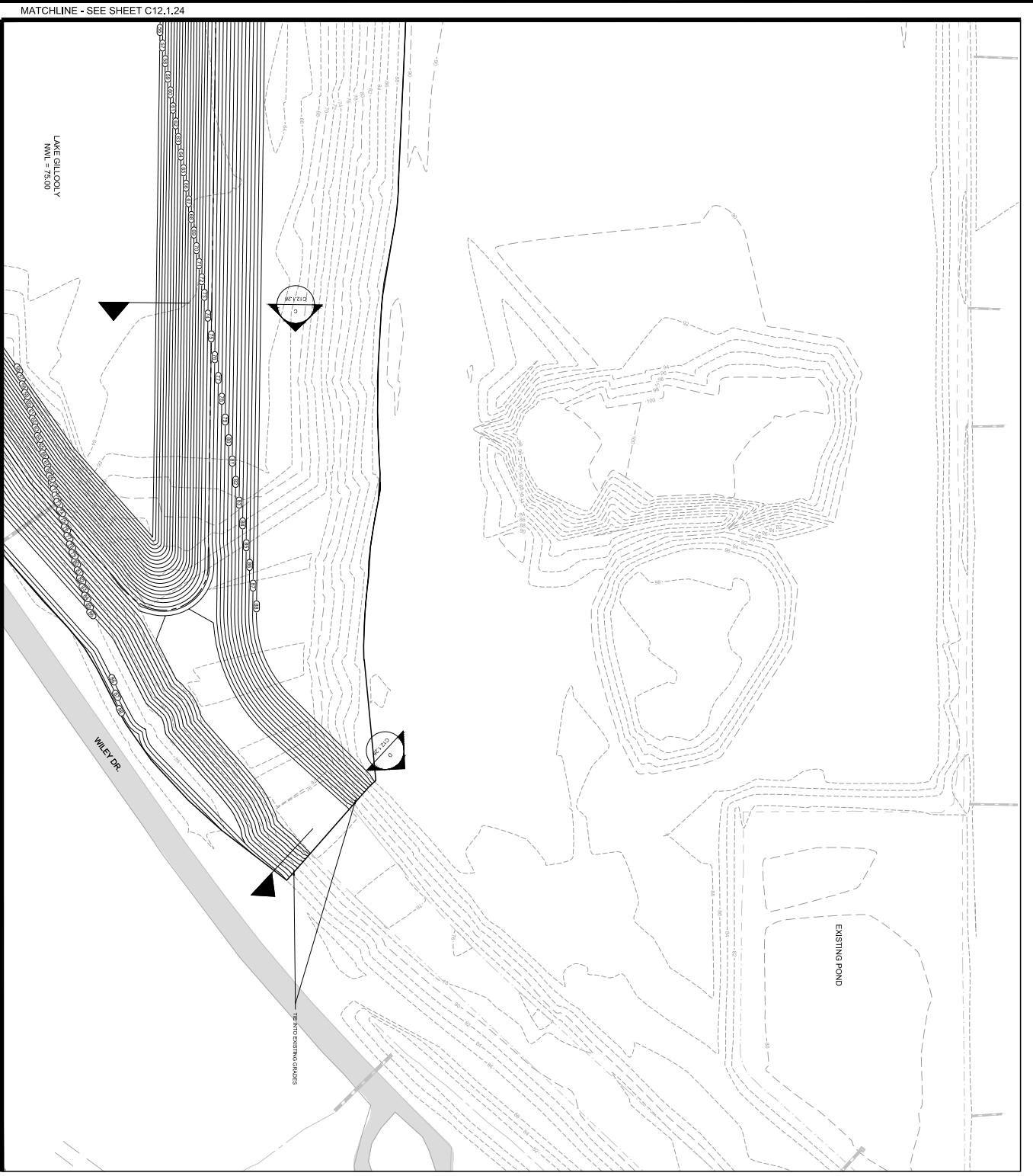
Issue Date: 01/23/2017

Drawing Scale: AS SHOWN



GRADING AND DRAINAGE PLAN 14 - LAKE GILLOOLY

C12.1.24



- LEGEND**
- PROPOSED STORM RELIEF MAIN
 - PROPOSED STORM SEWER
 - EXISTING STORM SEWER
 - PROPOSED FLOW LINE
 - PROPOSED GRADE BREAK

- GENERAL NOTES**
1. EXISTING UNDERGROUND UTILITIES AND PAVEMENT SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN OTHERWISE ON THE PLANS. THE CONSTRUCTION SHALL BE ACCORDING TO THE BEST AVAILABLE RECORDS. EXISTING UTILITIES SHALL BE PROTECTED AND NOT REMOVED UNLESS OTHERWISE SHOWN OTHERWISE ON THE PLANS. THE CONSTRUCTION SHALL BE ACCORDING TO THE BEST AVAILABLE RECORDS. EXISTING UTILITIES SHALL BE PROTECTED AND NOT REMOVED UNLESS OTHERWISE SHOWN OTHERWISE ON THE PLANS.
 2. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND REPORT THE RESULTS TO THE ENGINEER IMMEDIATELY UPON DISCOVERY.
 3. DESIGN CONFORMS TO THE 2012 ILLINOIS STATE SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
 4. ALL WORK SHALL BE ACCORDING TO THE 2012 ILLINOIS STATE SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
 5. STATION AND OFFSET DIMENSIONS SHALL BE REFERENCED TO THE CENTERLINE.

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 FAX: 312.467.0918

HNTB
 HNTB Corporation
 610 North Dearborn
 Suite 400
 Lombard, IL 60148
 PHONE: 630.272.4600
 FAX: 630.272.4601

Kimley-Horn
 Kimley-Horn and Associates, Inc.
 3550 Maple Blvd., Suite 200
 Naperville, IL 60563
 PHONE: 630.350.0000
 FAX: 630.350.0001

AYCON
 AYCON Inc.
 5855 C. Anderson St., Suite 200
 Naperville, IL 60563
 PHONE: 630.350.0000
 FAX: 630.350.0001

TYLANN HERGENROTHER
 171 Lin International Group
 225 E. Robinson St., Suite 450
 Naperville, IL 60563
 PHONE: 630.350.0000
 FAX: 630.350.0001

NOT FOR CONSTRUCTION
 THIS DRAWING IS NOT FOR CONSTRUCTION. IT IS A PRELIMINARY DESIGN DRAWING. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND REPORT THE RESULTS TO THE ENGINEER IMMEDIATELY UPON DISCOVERY.

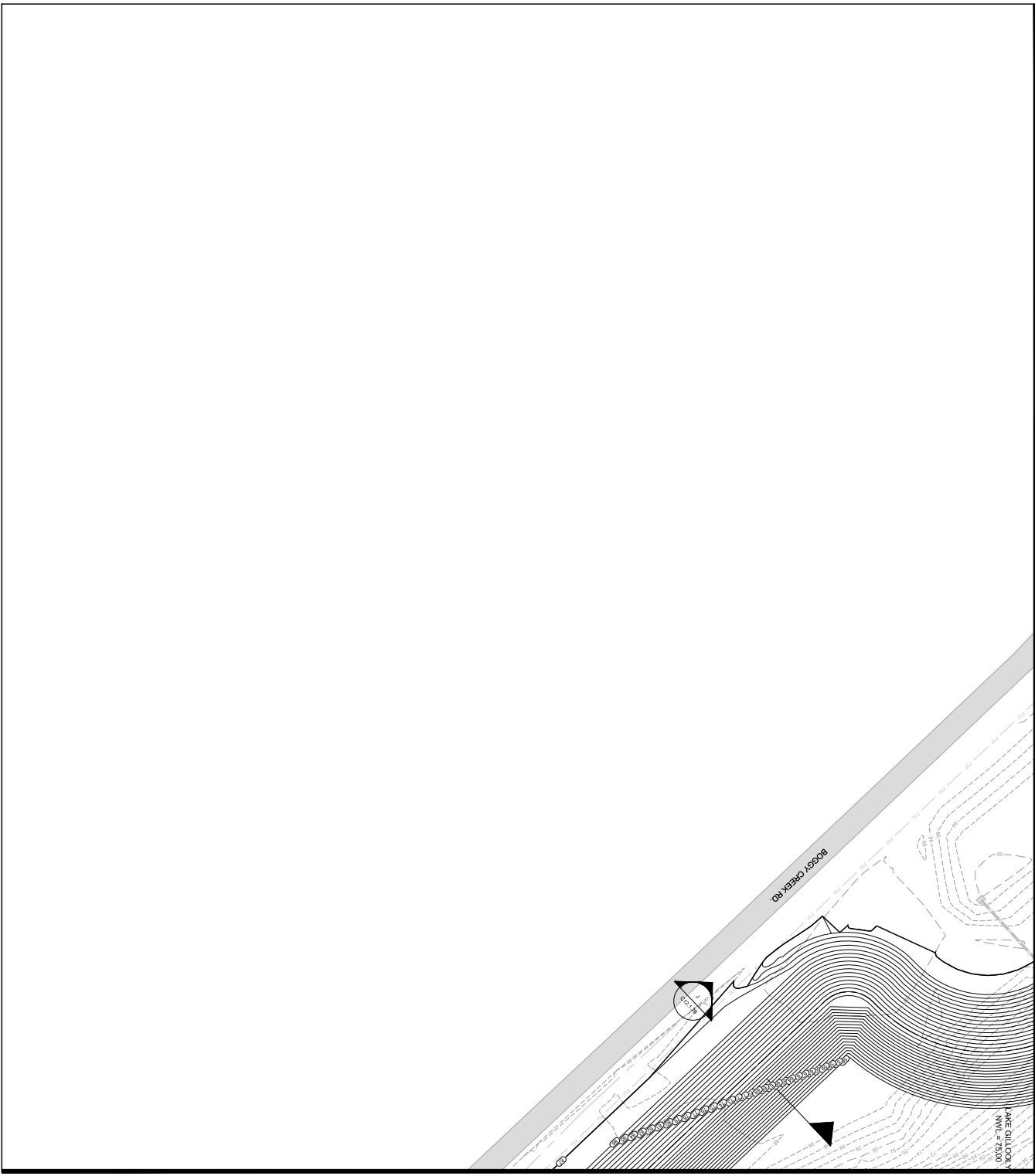
No.	Date	Description



Key Plan
 Project No.: WS1110
 Designed By: BSA
 Drawn By: MED
 Checked By: JAM
 Issue Date: 01/23/2017
 Drawing Scale: AS SHOWN

GRADING AND DRAINAGE PLAN 15 - LAKE GILLOOLY

C12.1.25



GRAPHIC SCALE IN FEET
0 10 20 30

LEGEND

- PROPOSED 8" (203 MM) DIAMETER CONDUIT
- PROPOSED STONE SEWER
- PROPOSED FLOW LINE
- PROPOSED GRADE BREAK

- GENERAL NOTES**
- EXISTING UNDERGROUND UTILITIES AND PAVement ARE SHOWN ON THE PLAN. THE CONSTRUCTION SHALL BE ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, LATEST EDITION, AS APPLICABLE TO THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. ANY UNRECORDED UTILITIES NOTED OTHERWISE ARE SHOWN TO SCALE TO THE BEST OF THE ENGINEER'S KNOWLEDGE AND BELIEF. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
 - EXISTING CONTOUR LINES ARE SHOWN ON THE PLAN. THE CONSTRUCTION SHALL BE ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, LATEST EDITION, AS APPLICABLE TO THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
 - EXISTING CONTOUR LINES ARE SHOWN ON THE PLAN. THE CONSTRUCTION SHALL BE ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, LATEST EDITION, AS APPLICABLE TO THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
 - ADJUST ELEVATION AND PERFORM FENCE INTERFERENCE CHECKS. SUPPLEMENTAL INFORMATION ONLY.
 - SETBACK AND OFFSET DIMENSIONS SHALL BE MEASURED FROM THE INTERSECTION OF THE CENTERLINE OF THE CENTERLINE.

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Phase 1

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PHONE: LIC. AAS0009177

HNTB

HNTB Corporation
610 North Capitol
Suite 400
Lansing, MI 48206

Kimley-Horn & Associates, Inc.

3560 Michigan Blvd., Suite 200
Ann Arbor, MI 48106
PHONE: LIC. 04486

AYCON

AYCON Inc.
5855 C. Michigan St., Suite 200
Ann Arbor, MI 48106
PHONE: LIC. 04507

TYLON INTERNATIONAL INC.

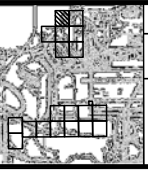
171 Lin International Group
225 E. Robinson St., Suite 450
Ann Arbor, MI 48106
PHONE: LIC. 04597

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REVISIONS

No.	Date	Description



Project No.: WS110
Designed By: BSA
Drawn By: MED
Checked By: JAM
Issue Date: 01/23/2017
Drawing Scale: AS SHOWN

GRADING AND DRAINAGE PLAN 16 - LAKE GILLOOLY

C12.1.26

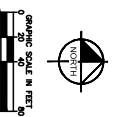
MATCHLINE - SEE SHEET C12.124



LAKE GILLOOLY
NNWL = 75.00

MATCHLINE - SEE SHEET C12.128

MATCHLINE - SEE SHEET C12.128



- LEGEND**
- PROPOSED STONE SEWER
 - EXISTING STONE SEWER
 - PROPOSED FLOW LINE
 - PROPOSED GRADE BREAK

- GENERAL NOTES**
1. EXISTING DIMENSIONS, UTILITIES AND PAVEMENT ARE SHOWN ON THE SURVEY RECORDS. TO VERIFY ACCURACY OF THE SURVEY RECORDS, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND UTILITIES ON THE GROUND. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL GOVERNMENT AND AGENCIES TO CONDUCT THE WORK.
 2. THE CONTRACTOR SHALL VERIFY THE EXISTING DIMENSIONS AND UTILITIES ON THE GROUND AND REPORT THE RESULTS TO THE ENGINEER IMMEDIATELY UPON DISCOVERY.
 3. DESIGN CONFORMS TO THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, AS APPLICABLE.
 4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, AS APPLICABLE.
 5. STATION AND OFFSET INFORMATION REFERENCE TAKEN FROM THE SURVEY RECORDS.

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FAX: (314) 436-0978

HNTB
HNTB Corporation
6100 Corporate Blvd.
Crest Hill, MO 63018
Linda Mery, P.E. 327.66

Kimley-Horn
Kimley-Horn and Associates, Inc.
3550 Magazine Blvd., Suite 200
St. Louis, MO 63108
PHONE: (314) 436-0986

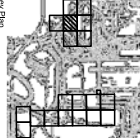
AYCON
AYCON, Inc.
5555 E. Mainway, Suite 200
St. Louis, MO 63112
PHONE: (314) 645-0727

TYLON INTERNATIONAL INC.
1717 Lin International Group
225 E. Robinson St., Suite 450
St. Louis, MO 63102
PHONE: (314) 645-0727

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REVISIONS

No.	Date	Description

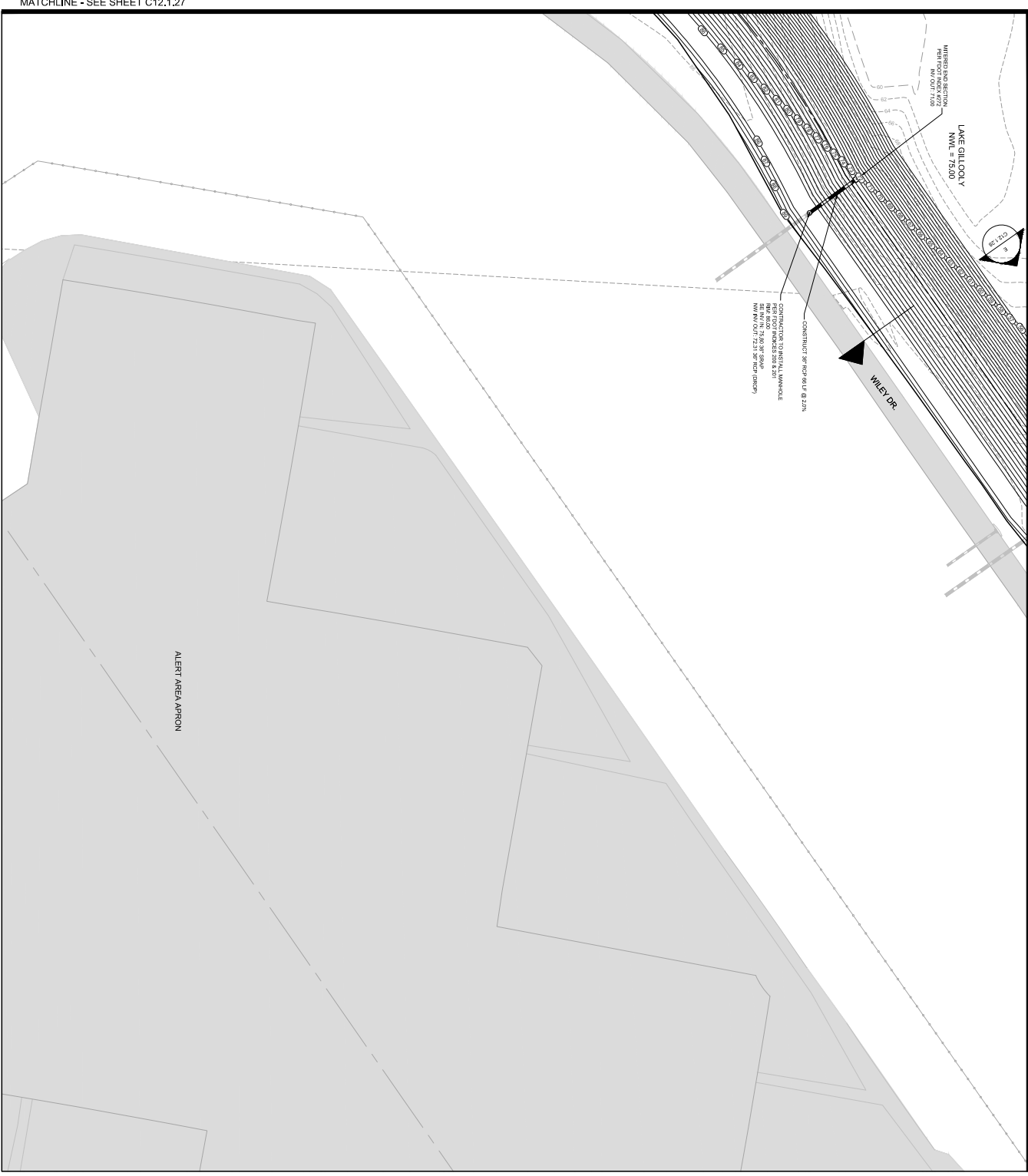


GRADING AND DRAINAGE PLAN 17 - LAKE GILLOOLY

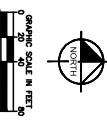
Project No.: WS110
Designed By: BSA
Drawn By: MED
Checked By: JAM
Issue Date: 01/27/2017
Drawing Scale: AS SHOWN

C12.127

MATCHLINE - SEE SHEET C12.125



MATCHLINE - SEE SHEET C12.125



- LEGEND**
- PROPOSED RETENTION WALL
 - PROPOSED CONTOUR
 - EXISTING CONTOUR
 - PROPOSED STORM SEWER
 - EXISTING STORM SEWER
 - PROPOSED FLOW LINE
 - PROPOSED CHECK BREAK

- GENERAL NOTES**
1. EXISTING UNDERGROUND UTILITIES AND PAV FAH LINES BASED ON THE BEST AVAILABLE RECORDS. EXISTING UTILITIES SHALL BE PROTECTED AND NOT REMOVED UNLESS OTHERWISE NOTED OTHERWISE AND ADAPTED TO SOIL TO MATCH OF EXISTING AT THE CONTRACTORS EXPENSE.
 2. EXISTING STORM SEWER, WASTEWATER, AND OTHER LINES SHALL BE PROTECTED AND NOT REMOVED UNLESS OTHERWISE NOTED OTHERWISE AND ADAPTED TO SOIL TO MATCH OF EXISTING AT THE CONTRACTORS EXPENSE.
 3. DESIGN CONTOURS REPRESENT FINISHED GRADE. EXISTING CONTOURS ARE SHOWN FOR REFERENCE ONLY. SPECIALTIES TO BE PROVIDED BY CONTRACTOR.
 4. PROPERTY SECURITY AND PERIMETER FENCE INTEGRITY SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
 5. STATION AND OFFSET INFORMATION REFERENCE TAXMAP Q CENTERLINE.



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WS-110
 South Terminal C
 Phase 1
AIRFIELD CIVIL

OPERATORS AND ARCHITECTS
FENTRESS ARCHITECTS
 421 Broadway
 Suite 200
 Portland, ME 04101
 FPHONE: LIC. 4430009177

HNTB
 HNTB Corporation
 6100 Corporate
 Court, Suite 400
 Lake Mary, FL 32746
 PHONE: LIC. AA00023116

Kimley-Horn
 Kimley-Horn and Associates, Inc.
 3580 Highway Blvd., Suite 200
 Raleigh, NC 27609
 PHONE: LIC. CA4868

AYCON
 AYCON Inc.
 5585 E. Hampden Ave., Suite 200
 Denver, CO 80231
 PHONE: LIC. CA4507

TYLOR ENGINEERING
 T.Y. Lin International Group
 225 E. Robinson St., Suite 450
 Raleigh, NC 27601
 PHONE: LIC. CA4937

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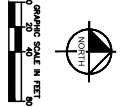
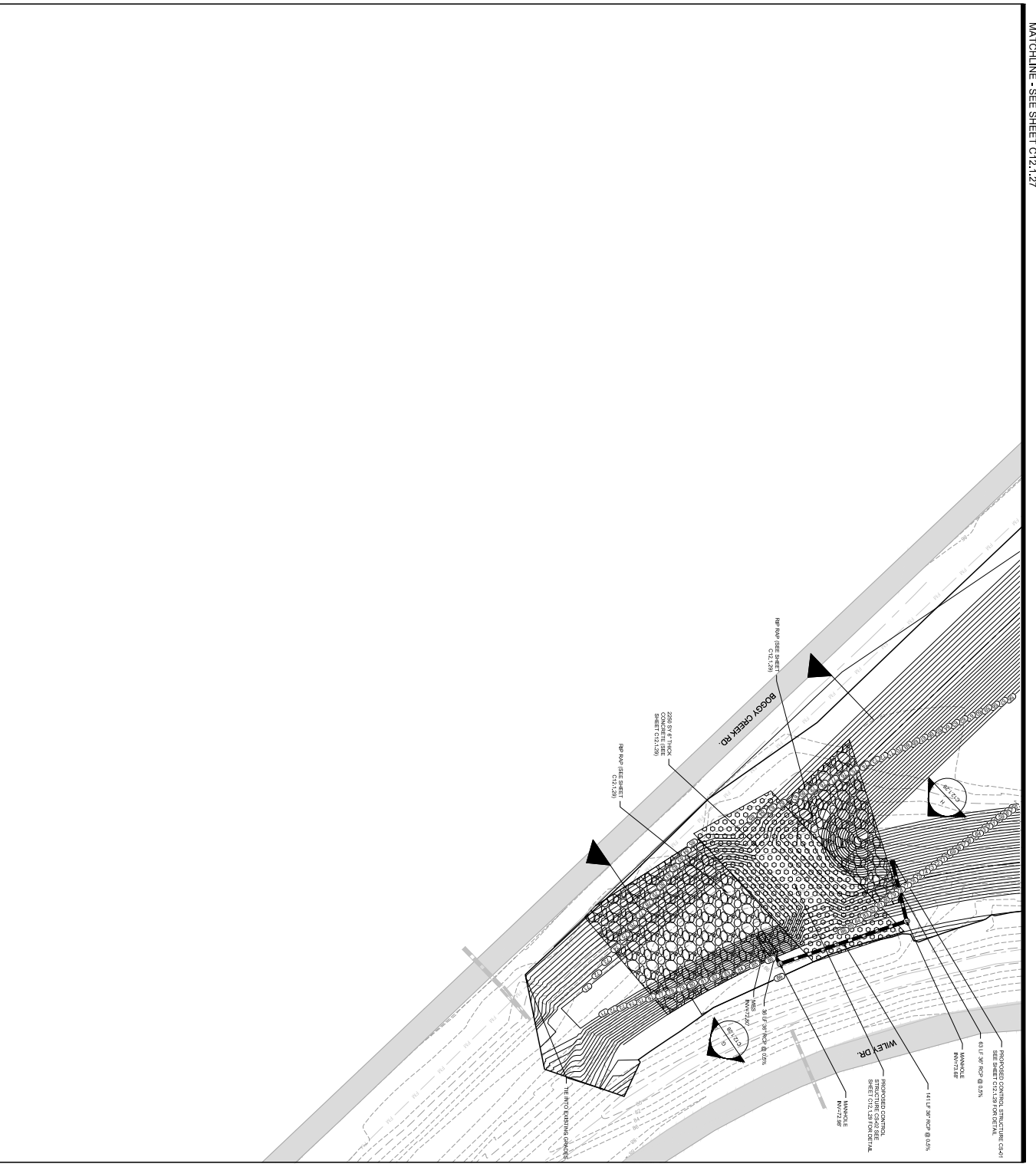
No.	Date	Description



Key Plan

Project No.	WS110
Designed By	BSA
Drawn By	MEB
Checked By	JAM
Issue Date	01/23/2017
Drawing Scale	AS SHOWN
Drawing Title	GRADING AND DRAINAGE PLAN 18 - LAKE GILLOOLY
Drawing No.	C12.1.28

C12.1.28



LEGEND

- PROPOSED STONE RELIEF WALL
- PROPOSED CONTOUR
- PROPOSED CONTOUR
- EXISTING STONE SEWER
- PROPOSED STONE SEWER
- PROPOSED FLOW LINE
- PROPOSED GRADE BREAK

GENERAL NOTES

1. EXISTING UNDERGROUND UTILITIES AND PAVEMENT ARE SHOWN ON THE SITE PLAN. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES AND PAVEMENT BEFORE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES AND PAVEMENT BEFORE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
3. EXISTING CONTOURS ARE SHOWN ON THE SITE PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS APPLICABLE.
5. SETBACK AND OFFSET DIMENSIONS SHALL BE MEASURED FROM THE CENTERLINE OF THE ROAD.



WS-110
 South Terminal C
 Phase 1
AIRFIELD CIVIL

FENTRESS ARCHITECTS
 421 Broadway
 Raleigh, NC 27601
 PHONE: 410-800-9177
 FAX: 410-800-9177

HNTB
 HNTB Corporation
 6100 North Central Expressway
 Suite 400
 Little Rock, AR 72216
 PHONE: 501-221-4600
 FAX: 501-221-4600

Kimley-Horn
 Kimley-Horn and Associates, Inc.
 3550 Magazine Blvd., Suite 200
 Raleigh, NC 27604
 PHONE: 919-876-5600
 FAX: 919-876-5600

AYCON
 AYCON Inc.
 5555 C. Anderson St., Suite 200
 Raleigh, NC 27606
 PHONE: 919-876-5600
 FAX: 919-876-5600

TYLANN INTERNATIONAL INC.
 1741 Lin International Drive
 225 E. Robinson St., Suite 450
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 PHONE: 919-876-5600
 FAX: 919-876-5600

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No.	Date	Description

No.	Date	Description

Project No.	WS110
Designed By	BSA
Drawn By	MEB
Checked By	JAM
Issue Date	01/27/2017
Drawing Scale	AS SHOWN

GRADING AND DRAINAGE PLAN 19 - LAKE GILLOOLY

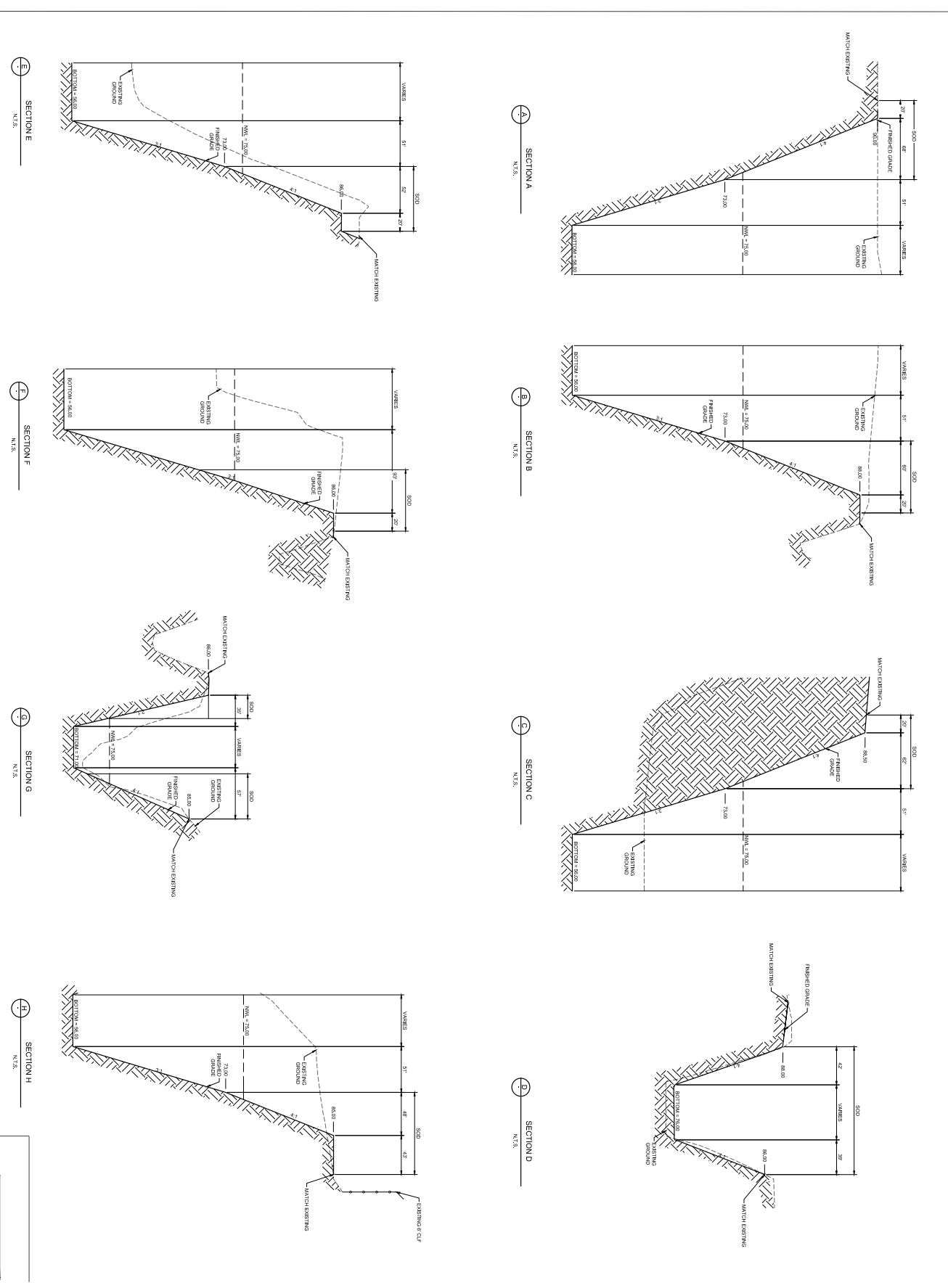
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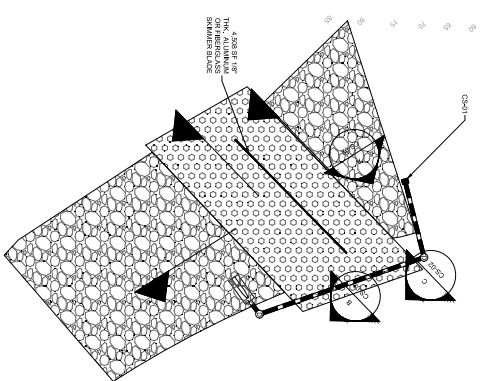


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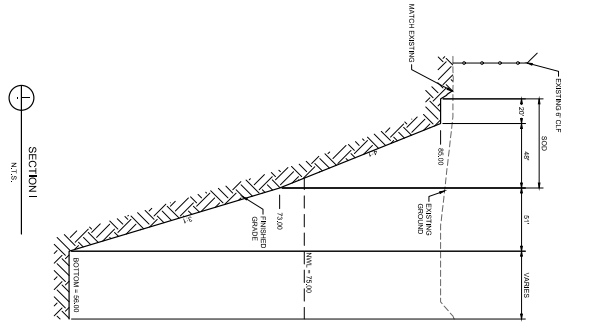
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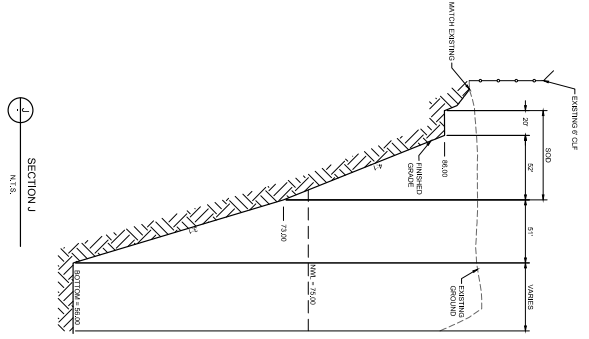
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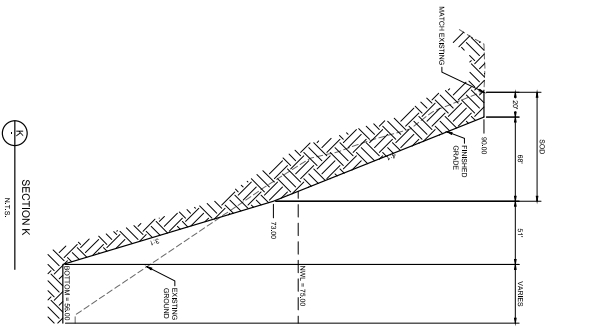
LAKE GILLOOLY CONTROL STRUCTURES PLAN VIEW



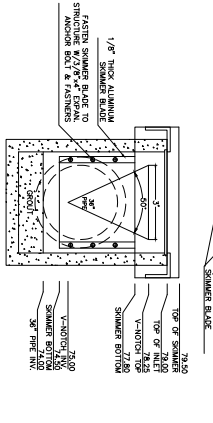
SECTION I
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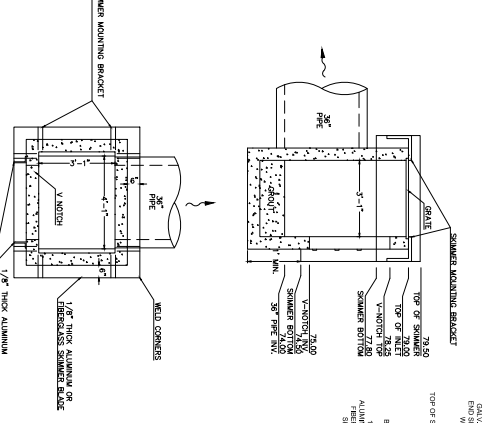
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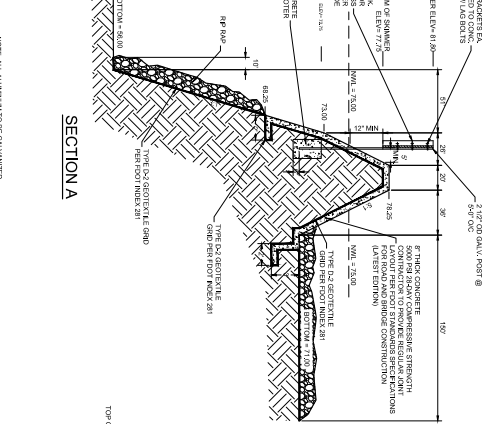
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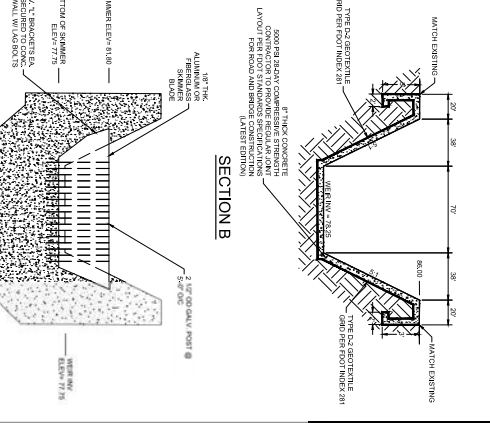
CONTROL STRUCTURE DETAIL CS-01
N.T.S.



CONTROL STRUCTURE CS-02
N.T.S.



SECTION A



SECTION B

SECTION C

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Revisions	No.	Date	Description																							