



Levy County Board of County Commission  
Planning and Zoning Department  
320 Mongo Street, Bronson, Florida, 32621  
Office: 352.486.5203

## **NOTICE OF PUBLIC HEARING** **PETITION OF SPECIAL EXCEPTION**

Notice is hereby given by the Planning Commission of Levy County, Florida, that it will consider at public hearing the below described Application for a Special Exception in the Levy County Government Center Auditorium, 310 School Street, Bronson, Florida on April 7, 2025 at 5:45 PM or as soon thereafter as the matter can be heard, the following:

**Quasi-Judicial PETITION NO SE 24- 01:** Anderson Columbia Co. Inc, on behalf of owners Mildred Johns and June Stoeber for Levy Borrow Pit petitioning the Levy County Board of County Commissioners for a Special Exception for a mining operation pursuant to Sec. 50-759 mining and excavation of minerals. resources, or natural resources, and site reclamation of the Levy County Land Development Code to allow a sand mine **(no blasting or fracking)** on approximately 99 acres abutting NE State Road 24 approximately 1.5 from the county line of Levy County and Alachua County located in Section 26, Township 11, Range 17, Levy County Florida. The parcel is located in Agriculture/Rural Residential (A/RR) Land Use and Zoning district. Parcel Number(s) 0322100200.

You are encouraged to attend the above mentioned meetings in order to provide comments to the Planning Commission and Board of Commissioners. If you or your authorized representative cannot be in attendance, you may submit your comments in writing to the Planning and Zoning Department prior to the date of the Public Hearing.

A copy of the application and supporting documents is on file in the Office of Levy County Planning and Zoning, located at 320 Mongo Street Bronson, Florida 32621, and may be inspected during regular business hours. For information call 352-486-5203. On the date, time and place first above mentioned, all interested persons may appear and be heard with respect to the petition.

“Persons with disabilities requesting reasonable accommodations to participate in this proceeding should contact (352) 486-5128 or via Florida Relay Service (800) 955-8771”. All persons are advised that, if they decide to appeal any decisions made at the public hearing, they will need a record of the proceedings and, for such purpose, they may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

Should you have any questions regarding this petition or the process, contact the Planning and Zoning Department at (352) 486-5203.



## Applicant Affidavit

*Instructions for Completing the Affidavit*

In order for your application to be in compliance with our notice requirements established in SECTION 4 of the Levy County Land Development Code you must complete the attached Affidavit. Please follow these instructions:

Each applicant must sign the affidavit in the presence of a notary and two witnesses. The County provides notary services at the Planning and Zoning Department.

By signing the below affidavit, the applicant agrees to comply with the listed posted and mailed notice requirements outlined in Section(s) 50-2, 50-3(a), and 50-3(b) of Ordinance 2023-9 which are as follows:

- 1.) **50-3 (a)** The applicant is responsible for sending supplemental mailed notice to all real property owners within 300 feet for the subject property. The mailed notice must identify the property appraiser's parcel identification number(s) for the subject property, the physical address of the subject property along with the date, time and location of the hearing for all real property owners within 300 feet from any property line of the property that is subject of the application. Addresses for mailed notice must be obtained from the county property appraiser's current ad valorem tax records.
- 2.) **50-3 (b)** Notice signs can be obtained from Levy County Planning and Zoning office and must be posted and clearly written to include the petition number with a brief description of the request, the parcel identification numbers and the county phone number to contact for addition information. The posted notices should be placed in accordance with our location requirements:
  - a) Street frontage: one sign shall be placed along each road that fronts the property. Signs should be placed on the property (not within the road right-of-way) so that it is visible from road.
  - b) Lack of street frontage: if the property does not have frontage on a road, at least one sign shall be placed on the property at the access point and additional signs shall be placed on the nearest public right-of-way with an indication of the location of the property.
  - c) Installation, maintenance and removal: signs shall be posted in a professional manner and maintained on the subject property by the applicant until final action on the application. The applicant shall remove sign(s) within 10 calendar days after the final action of the application.

Timing of posting and affidavit: Signs shall be posted no later than 10 calendar days after the application has been deemed sufficient and the county has notified the applicant of the hearing date(s). A notarized affidavit shall be submitted to the department within seventy-two (72) hours after the posting, certifying that the signs were posted in compliance with this section. The zoning official may require submittal of photographs of all signs as part of the affidavit. Applications will not be considered complete and will not be processed until signed and notarized affidavit has been received.

**Once the letters have been mailed, in accordance with the above code, a copy of the letter and the mailing labels must be sent to the Planning and Zoning office electronically for our file. Once the sign is posted, in accordance with the above code, a photo with date and time should be sent electronically to the Planning and Zoning office.**

If you have any questions, please call the Levy County Planning and Zoning Department at (352) 486- 5203 or email us at [planning@levycounty.org](mailto:planning@levycounty.org) .





**AFFIDAVIT FOR APPLICATION REQUIRING PUBLIC NOTICE**

BEFORE ME, the undersigned authority, personally appeared the below named Affiant who being by me duly sworn, depose(s) and say(s):

1. I am the applicant located at 800 SW 2<sup>ND</sup> AVE, SUITE 100, GAINESVILLE, FL 32609 submitting this application on behalf of the owner of real property located at 11986 NE STATE ROAD 24, ARCHER, FL 32618 (insert street address of property) with parcel identification number 0322100200 in Levy County, Florida (the "Property".) This Affidavit is being executed in order to process the attached application requiring a public notice.
2. I understand and acknowledge that the Levy County Code requires me to provide posted and mailed public notice in accordance with Ordinance 2023-9 Section(s) 50-2 and 50-3. Failure to comply with these ordinance requirements will result in continuation or withdrawal of my application from the agenda until I can comply with the outlined requirements.

**WITNESSES:**

Delaney Markham  
Signature

Delaney Markham  
Printed Name

Anna Hennis  
Signature

Anna Hennis  
Printed Name

**AFFIANT:**

Jose Lopez  
Signature

JOSE LOPEZ  
Printed Name

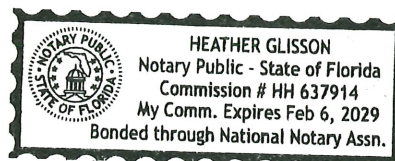
STATE OF FLORIDA COUNTY OF Levy County – The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization this 24<sup>th</sup> day of March, 2023.

Individual identified by: ☒ Personal Knowledge ☐ Satisfactory Evidence: Type: \_\_\_\_\_

Heather Glisson  
Signature of Notary Public - State of Florida

Heather Glisson  
Printed Name of Notary Public or Stamp

Stamp:









DI MATTEO HELEN 1038 GIRARD AVE SWARTHMORE, PA 19081	KING EVERMONT RYAN 1045 NE 2ND AVE ARCHER, FL 32696	DARLING-COLE FRANKIE A 10520 SW 162ND TER MIAMI, FL 33157
TOLODIX MICHAEL 10541 NE 121ST TER ARCHER, FL 32618	MALKIN SCOTT J 10550 NE 121ST TER ARCHER, FL 32618	LAKE EDWARD J 10770 NE 113TH TER ARCHER, FL 32618
BLOODWORTH TIMOTHY M 10771 NE 113TH TER ARCHER, FL 32618	SWANNICK PATRICK T 10790 NE 113TH TER ARCHER, FL 32618	WILLIAMSON DAVID W 109 STILLHOUSE RD MILLSTONE TOWNSHIP, NJ 08510
CHURCH OF SAND HILL INC 11030 NE 110TH AVE ARCHER, FL 32618	HALADA MARGARET M 11050 NE 110TH LN ARCHER, FL 32618	RODRIGUEZ DANIEL 11051 NE 110 AVE ARCHER, FL 32618
RENNA ANTHONY N JR & KATHLEEN - CO TRS 11071 NE 110TH LN ARCHER, FL 32618	LAMB RICHARD D 11090 NE 110TH LANE ARCHER, FL 32618	LIGHT JEFFREY PHILLIP 11120 NE 109TH PL ARCHER, FL 32618
SCHMITT CONNIE S 11130 NE 112TH CT ARCHER, FL 32618	TRIMM JAMES Z-EH LIFE EST 11131 NE 109TH PL ARCHER, FL 32618	POTTER ALYSSA HOPE 11131 NE 112TH CT ARCHER, FL 32618
WILSON GREGORY V 11150 NE 113TH PL ARCHER, FL 32618	STOICA PATRICIA-ESTATE 11151 NE 109TH ST ARCHER, FL 32618	ROSA ALEXANDER 11151 NE 109YH ST ARCHER, FL 32618
POPE DORSET MCANUFF 11151 NE 110TH LN ARCHER, FL 32618	GILLYARD MAEGAN 11151 NE 112TH CT ARCHER, FL 32618	JOHNSON SARAH TAKALA 11171 NE 110TH LN ARCHER, FL 32618
DAYTON PETER M-ESTATE 11171 NE 110TH TER ARCHER, FL 32618	VIZCAINO KATILEYDI 11190 NE STATE RD 24 ARCHER, FL 32618	PERRY GABRIELLE L 11191 NE 110TH LN ARCHER, FL 32618



POST MATTHEW T  
11191 NE STATE RD 24  
ARCHER, FL 32618

TOMASHEVSKY ROBERT  
11210 NE 109TH PL  
ARCHER, FL 32618

ZELLNER KATHLEEN LOUISE  
11211 NE 109TH PL  
ARCHER, FL 32618

MARTIN ALLISON T 11211 NE 110TH LN ARCHER, FL 32618	ARRIAZA MARIA DELIA 11211 NE SR 24 ARCHER, FL 32618	LARROSA GABRIEL 11221 NE 110TH LN ARCHER, FL 32618
ERWIN PEGGY SUE 11230 NE 110TH LN ARCHER, FL 32618	CONGER GABRIELLE 11241 NE 110TH TER ARCHER, FL 32618	WAMACK RAYMOND 11250 NE 110TH TER ARCHER, FL 32618
MANNING DARLEAN M 11250 NE 113TH PL ARCHER, FL 32618	SINGER MICHAEL P 11250 NE 115TH AVE ARCHER, FL 32618	HUTCHINSON TRAVIS 11251 NE 109TH PL ARCHER, FL 32618
MCCRAY ANTHONY L 11251 NE 119TH LANE ARCHER, FL 32618	PEACOCK PATRICIA V 11260 NE 110TH LN ARCHER, FL 32618	JONES BRIANA-TTEE OF TWR TRUST 11261 NE 109TH PL ARCHER, FL 32618
PREUDHOMME MICHAEL 11261 NE 110 LN ARCHER, FL 32618	RIDDLE MOIRA COLLEEN 11271 NE 110TH TER ARCHER, FL 32618	BRADLEY SHAWNTA 11281 NE 110TH LN ARCHER, FL 32618
JAMERSON WILLIAM G 11290 NE 113TH PL ARCHER, FL 32618	KOSINSKI PAUL F 11290 NE 115TH AVE ARCHER, FL 32618	KAYALI IBRAHIM CEM 11291 NE 109TH PL ARCHER, FL 32618
GEER KELLY L 11291 NE 110TH LN ARCHER, FL 32618	THOMPSON MICHAEL 11291 NE 113TH PL ARCHER, FL 32618	THORNTON JAMES B 11330 NE 110TH LANE ARCHER, FL 32618
COEN BELINDA -LIFE ESTATE 11330 NE STATE RD 24 ARCHER, FL 32618	WHITE DWAYNE RENARD JR 11350 NE 107TH PL ARCHER, FL 32618	FLEETWOOD JAMES BRANDON 11350 NE 108TH ST ARCHER, FL 32618
SAXON CHRISTOPHER M 11350 NE STATE RD 24 ARCHER, FL 32618	SELNAU HENRY E 11351 NE 108TH ST ARCHER, FL 32618	GORDON BARBARA J 11351 NE 113TH PL ARCHER, FL 32618

BELASKA CLARA

11351 NE STATE RD 24

ARCHER, FL 32618

KLACKO NICOLE LEE

11360 NE STATE RD 24

ARCHER, FL 32618

LEWIS NATALIE M

11370 NE 110TH LANE

ARCHER, FL 32618



COELLO JOHN P 1139 HERON AVE MIAMI SPRINGS, FL 33166	NIEVES VELEZ OMAR G 11390 NE 107 ARCHER, FL 32618	VELEZ MARTINEZ AIDA IRIS JR 11390 NE 107TH PL ARCHER, FL 32618
PERLERA JEOVANY 11390 NE 113 PL ARCHER, FL 32618	WELCOME MERIL A 11390 NE STATE RD 24 ARCHER, FL 32618	BARR RAMONA 11391 NE 109TH PL ARCHER, FL 32618
BARIL ELAYNE M 11391 NE 113TH PL ARCHER, FL 32618	GONZALES ELEUTERIO 11391 NE STATE ROAD 24 ARCHER, FL 32618	JONES WILLIAM EDWARD SR 11411 STATE RD 24 ARCHER, FL 32618
THOMPSON RASHIDA C 11430 NE 110TH LANE ARCHER, FL 32618	COUCH CHRISTOPHER RAY 11440 NE 110TH LANE ARCHER, FL 32618	KEENE GLEN B 11450 NE 108TH ST ARCHER, FL 32618
ADAMS DONALD 11450 NE 109TH PL ARCHER, FL 32618	ELKINS KATHRYN G 11450 NE STATE RD 24 ARCHER, FL 32618	OSBORNE QUINCY LEE JR 11451 NE 108TH ST ARCHER, FL 32618
ONDRICK MARK 11451 NE 109TH PL ARCHER, FL 32618	MILLER CARLTON LENARD 11451 NE STATE RD 24 ARCHER, FL 32618	CRAIG JOHN 11470 NE 110TH LANE ARCHER, FL 32618
LOPEZ JOSE ALCIDES GALEAS 11481 NE 62ND LN WILLISTON, FL 32696	GREEN PATRICK 11481 NE STATE ROAD 24 ARCHER, FL 32618	HOGAN CHARLES II 11490 NE 109TH PL ARCHER, FL 32618
HOOK TROY MICHAEL 11490 NE 111TH AVE ARCHER, FL 32618	TRIMM JOHN 11491 NE 107TH PL ARCHER, FL 32618	SANDLIN PHILLIP 11491 NE 111TH AVE ARCHER, FL 32618
LAKE SIMEON W 11511 NE 108TH ST ARCHER, FL 32618	PHAM THERESA 11518 FOREST HILLS DR TAMPA, FL 33612	HARVEY DAVID E 11531 NE 109TH PL ARCHER, FL 32618

HAYS ELIZABETH LEIGH

11541 NE 109TH PL

ARCHER, FL 32618

THOMAS CHANTEL R

11550 NE 107TH PL

ARCHER, FL 32618

COUGHLIN DONALD

11550 NE 109TH PL

ARCHER, FL 32618

PERRONE JEANNE 11551 NE 111TH AVE ARCHER, FL 32618	RESPETO-HARDY RYAN E 11551 NE STATE RD 24 ARCHER, FL 32618	CLARK DIANA 11560 NE 111TH AVE ARCHER, FL 32618
WILF REAGAN RENEE 11571 NE 111TH AVE ARCHER, FL 32618	ALICEA KISHA N 11581 NE 62ND LN WILLISTON, FL 32696	MARSHALL DAVID A 11589 NE 108TH ST ARCHER, FL 32618
STRONG JEFFERY R 11590 NE 107TH PL ARCHER, FL 32618	TOFFEL DON 11590 NE 108TH ST ARCHER, FL 32618	CLEMENTS F JULIETTE 11590 NE 109TH PL ARCHER, FL 32618
ABOUZID AHMED M 11590 NE 116TH ST ARCHER, FL 32618	RUCCIONE WILLIAM A -EH LIFE ESTATE 11591 NE 108TH ST ARCHER, FL 32618	CERTAIN COREY 11591 NE 111TH AVE ARCHER, FL 32618
OSWALD JERRY D 11592 JEFFERIES HWY WALTERBORO, SC 29488	YUJA SAMIR JACOBO 11631 NE 109TH PL ARCHER, FL 32618	DEXTER ANETRA N 11650 NE 107TH PL ARCHER, FL 32618
HOBBS MORGAN 11650 NE 116TH ST ARCHER, FL 32618	CLENNEY MITCHELL B 11650 NE STATE RD 24 ARCHER, FL 32618	RUCCIONE VINCENT J 11651 NE 108TH ST ARCHER, FL 32618
RODRIGUEZ MIGUEL ALEXIS 11651 NE 109TH PL ARCHER, FL 32618	REYNOLDS ELIZABETH 11651 NE 116TH ST ARCHER, FL 32618	LOPEZ ELLEN NICOLE 11670 NE STATE RD 24 ARCHER, FL 32618
KING JASON 11691 NE 107TH PL ARCHER, FL 32618	CERTAIN JOSEPH 11691 NE 111TH AVE ARCHER, FL 32618	FORD LATACHA 11731 NE 108TH ST ARCHER, FL 32618
MEEKS JOHN MUDRICK 11750 NE 107TH PL ARCHER, FL 32618	THOMPSON JOHN B JR 11750 NE 109TH PL ARCHER, FL 32618	WHITE CHRISTOPHER 11750 NE 116TH ST ARCHER, FL 32618



KIM WALLACE OWENS FAM REV TRUST  
11751 NE STATE RD 24  
ARCHER, FL 32618

CARLO JOHN L TRS  
11771 NE 116TH ST  
ARCHER, FL 32618

SOUTHARD JESSICA LAUREN  
11791 NE STATE RD 24  
ARCHER, FL 32618

CORNELL ELIZABETH 11850 NE 116TH ST ARCHER, FL 32618	LARRY & SON INC 11851 NE 108TH ST ARCHER, FL 32618	CRAIG JOHN A JR 11851 NE 116TH ST ARCHER, FL 32618
SHEPPARD DOROTHY CELESTE 11851 NE SR 24 ARCHER, FL 32618	CRAIG JOHNNIE S 11861 NE 116TH ST ARCHER, FL 32618	GRAHAM JAMES F 11951 NE 116TH ST ARCHER, FL 32618
CORNWELL NANCY S 11991 NE 116TH ST ARCHER, FL 32618	ROGERS IAN M 11991 NE STATE ROAD 24 ARCHER, FL 32618	MURPHY ROBERT J 12005 DUNES RD BOYNTON BEACH, FL 33436
GRILLO DULCE M 1201 SW 128TH TER PEMBROOKE PINES, FL 33207	SHIVER LANCE 12151 NE 106TH ST ARCHER, FL 32618	FATMI NADEEM 1225 KINCAID RD MARIETTA, GA 30066
AHMAD MAJEED 1229 ELINORE DR ORLANDO, FL 32808	DANIEL ROGER KEITH 12311 CEDAR ST CEDAR KEY, FL 32625	MCCALLISTER DOYLE E 12311 NE 106TH ST ARCHER, FL 32618
PETERSEN ROBERT S 12340 NE STATE ROAD 24 ARCHER, FL 32618	RUTTER MICHAEL J 13007 SW 31ST AVE ARCHER, FL 32618	SERRALTA CESAR TRS 13527 218TH PL O'BRIEN, FL 32071
DOROZAN ANA 14167 ANCILLA BLVD WINDERMERE, FL 34786	SERRALTA DOCTEN SCAMYC-TTEE 14231 SW 130TH AVE MIAMI, FL 33186	DUPRAS JAMES L JR -TRUSTEE- 1451 S 930 WEST PAYSON, UT 84651
MILLER RAYMOND E 150 DEWBERRY DR HOCKESSIN, DE 19707	FRERE PAUL EUGENE 1570 NE 157TH AVE WILLISTON, FL 32696	WEIL KA-RO ENTERSPRISES LLC 15819 SW 58TH AVE ARCHER, FL 32618
KARNIB JAMES 16512 SW 75TH ST MIAMI, FL 33193	NORMA RAMOS REV LIV TRUST 167 W 14TH ST HIALEAH, FL 33010	SANICHAR VICKY 1704 CREEKWATER BLVD PORT ORANGE, FL 32128

MIRAFLORES GROUP LLC

17310 SW 95TH AVE

ARCHER, FL 32618

HERNANDEZ & TIMMONS INVESTMENTS  
LLC

17921 US HWY 41

SPRING HILL, FL 34610

DEAN MARK V

1847 NW 151ST ST

MIAMI, FL 33054



BOONE DILLOON M 19281 HIGH SPRINGS MAIN ST HIGH SPRINGS, FL 32643	DUNN WAYNE F TRS/C/O WILLIAM CRUMB 200 COMPROMISE RD SALEM, NJ 08079	WHITEHURST CATTLE CO 20551 NE 75TH ST WILLISON, FL 32696
CAS OPPORTUNITIES LLC 246 SW MAGICAL TER LAKE CITY, FL 32024	BERTULFO REINALDO BACATAN JR 24816 NW 142ND AVE HIGH SPRINGS, FL 32643	MASTERS STEVEN CHRISTOPHER 260 CRYSTAL RIVER DR LAWRENCEVILLE, GA 30043
POSTMAN ALAN L 2601 S BAYSHORE DR, SUITE 1010 MIAMI, FL 33131	MBS ENTERPRISES INC 26107 FIGGS RD SEAFORD DE, DE 19973	JENKINS-NELSON FELESIA ANGELEQUE 2631 NE 167TH AVE WILLISTON, FL 32696
JOHNS MILDRED M 2795 SEMINOLE VILLAGE DR MIDDLEBURG, FL 32068	MARTINEZ CONTRERAS ARTURO P 2803 BACJKIEL DR ORLANDO, FL 32804	VILLALON BERTA 2820 SW 117TH CT MIAMI, FL 33175
RESTREPO-DOMINGUEZ SANTIAGO A C/O GIRO 2950 SW 3RD AVE 5D MIAMI, FL 33129	BENNER DANIEL 30408 119TH ST PRINCETON, MN 55371	LEHMAN ARTURO 305 SEAFORD AVE MASSAPEQUA, NY 11758
ASHMAN JOHN 31266 W CHICAGO LIVONIA, MI 48150	DESPER DAVID 3194 QUAKER WOODS DR QUINTON, VA 23141	LE VAN HOANG 3537 SE COCO PALM DR PALM CITY, FL 34990
ENI LLC 3720 NW 43RD ST, SUITE 105 GAINESVILLE, FL 32606	GONSALVES BRIAN 3880 JOAN AVE CONCORD, CA 94521	GEISLER GEORGE E 411 WALNUT ST PMB 17349 GREEN COVE SPRINGS, FL 32043
DURAN AUDRA P 416 LASALLE DR LITTLE ROCK, AR 72211	RAY ALOKE K 42337 ALICANTE ST QUARTZ HILL, CA 93536	PATEL VINOD K-TTEE 44 SE 14TH AVE CROSS CITY, FL 32628
LOTVESTORS LLC 4411 BEE RIDGE ROAD, #177 SARASOTA, FL 34233	SMITH BENJAMIN 4879 PLEASANT GROVE RD OWENSBORO, KY 42303	GUALLPA LLC 5010 WALDO RD, LOT 146 GAINESVILLE, FL 32609

HEAGNEY PAUL J JR  
5040 N LA SEDONA CIR  
DELRAY BEACH, FL 33484

TIMBERLAKE PRESERVE LLC  
5200 W NEWBERRY RD  
GAINESVILLE, FL 32607

TIMBERLAKE PRESERVE LLC  
5200 W NEWBERRY RD BLDG C  
GAINESVILLE, FL 32607

TIMBERLAKE PRESERVE LLC 5200 W NEWBERRY RD, BLDG C GAINESVILLE, FL 32607	QUINTANA TERESITA C/O VIRGINIA KIRK 5228 CORNNELL AVE DOWN GROVE, IL 60515	BEARDMORE ROBERT W JR 5256 VT ROUTE 155 BELMONT, VT 05730
JONES EUGENE B 5357 WHITE CLIFF LN, APT 5 ORLANDO, FL 32812	BARNETT KAY 538 PLANTE ST KEY LARGO, FL 33037	FOSTER IDA J 5411 CONWAY OAKS CT ORLANDO, FL 32812
BROWN JANE HUGHES 5500 SE 4TH ST OCALA, FL 34480	BRIGGS LINDA TRS 59 COLLINS AVE SAYVILLE, NY 11782	LOTT WAYNE E 6204 YELLOW ROCK TRAIL DALLAS, TX 75248
COOPER DWIGHT 6460 NW FONTANA ST PORT SAINT LUCIE, FL 34986	FLORIDA LAND INVESTMENT GROUP INC 6531 HAYES ST HOLLYWOOD, FL 33024	BONFILL JACQUELIN 6545 SW 99TH AVE MIAMI, FL 33173
BOHLKE JASON M 66614 N STATE RD 225 BENTON CITY, WA 99320	LAND SUPPLIER LLC 6925 BONNER AVE CLEARWATER, FL 33761	MOROWSKI STEVE 7121 TYLER ST HOLLYWOOD, FL 33024
ROBERTS MARY K 7515 SW 47TH LN GAINESVILLE, FL 32608	PONCE JUAN PABLO 7655 LASALLE BLVD ARCHER, FL 33023	NAKASHIMA LEANDRO SORIA 7737 SW 52ND PL GAINESVILLE, FL 32608
GUADALUPE LISANDRO 7932 NW 37TH RD GAINESVILLE, FL 32606	LOZADA JAIME 8 EASY ST BRONSON, FL 32621	HARRIS RICHARD 8119 SW 57TH PL GAINESVILLE, FL 32607
GERMINAL MARIE C 8174 WINNIPESAUKEE WAY LAKE WORTH, FL 33467	MIGNON GEORGETTE M 8204 NW 100TH LN TAMARAC, FL 33321	FISHER JOYCE 8491 NW 40TH ST COOPER CITY, FL 33024
RYDECKI CHRISTOPHER 8521 NE 67TH LANE BRONSON, FL 32621	MONTLAVO JUAN R 8930 NE 105TH AVE BRONSON, FL 32621	R & W VENTURES INC 9081 NEWCOMBE ST LAS VEGAS, NV 89123

LIGHT JEFFREY PHILLIP  
920 E HATHAWAY AVE APT 8  
BRONSON, FL 32621

4R PROPERTY DEVELOPMENT LLC  
9202 SW 94TH TER  
GAINESVILLE, FL 32608

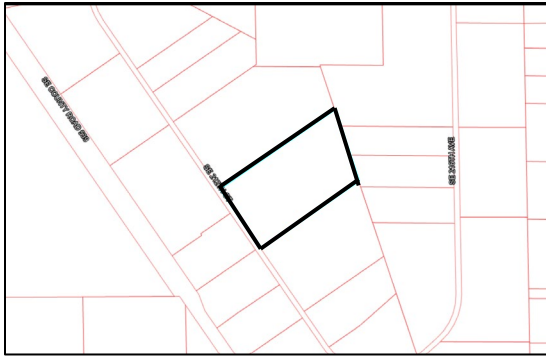
LEMUS CARMEN  
9261 SW 70TH ST  
MIAMI, FL 33173

RATON CARMENATE BLANCA	DOMINGUEZ AURELIO R CABALLERO	ALVARADO-LANDAZURI LOURDES M
BOX 29616	CALLE 1 NE # 310	KINGS CT 77, APT 702
RIO PIEDRAS, PR 00929	SAN JUAN, PR 00920	SAN JUAN, PR 00911
GALVEZ SALVADOR	VELEZ WILFREDO	HERRERA ANTONIO LEAL
P O BOX 466	PO BOX 10055	PO BOX 10089
GURABO, PR 00658	CAROLINA, PR 00988	SAN JUAN, PR 00908
ASBELL MELISA	MALDONADO ANDRES	SPELLMAN EBBIN
PO BOX 1173	PO BOX 1403	PO BOX 14195
BRONSON, FL 32621	BRONSON, FL 32621	GAINESVILLE, FL 32614
PARKER TIMOTHY S	WASHINGTON ROBERT/ C/O LARRY ROBINSON	GUZMAN WENDY
PO BOX 1503	PO BOX 186	PO BOX 237
BRONSON, FL 32621	CHIEFLAND, FL 32644	ARCHER, FL 32618
JOHNSON ELLING Z	QUINN MIGDALIA	P & K LEGACY HAPPY HOUR LLC
PO BOX 2842	PO BOX 334	PO BOX 486
SMYRNA, GA 30081	BRONSON, FL 32621	HUDSON, WI 54026
DBPA FLORIDA LLC	GRAY HAROLD DOUGLAS	BRIGGS ERICA E
PO BOX 565	PO BOX 5865	PO BOX 63
WILLISTON, FL 32696	SPARTANBURG, SC 29304	HALLOWELL, ME 04347
STROCZENKO WALTER J-TTEE	SMITH WILLIAM E	BAISDEN NANCY R TRS ET AL
PO BOX 6677	PO BOX 828	PO BOX 842
SEFFNER, FL 33583	BRONSON, FL 32621	CRYSTAL RIVER, FL 34423
MOORE GERALD		
PO BOX 86		
BRONSON, FL 32621		

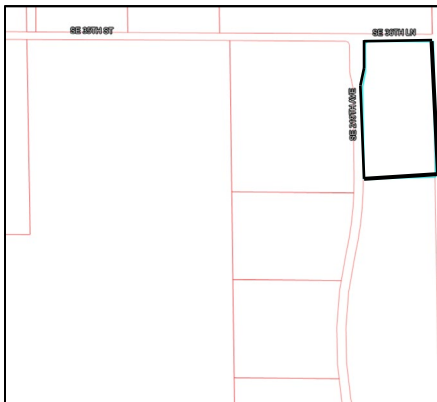
## NOTICE OF PLANNING COMMISSION PUBLIC MEETING

Public hearings on the petitions described below will be conducted by the Levy County Planning Commission on Monday, April 7 at 5:45 p.m. or as soon thereafter as the matter may be heard during the course of action. Said hearing will be held in the Levy County Government Center Auditorium, 310 School Street, Bronson, Florida.

**PETITION NO. PP 25-01:** Mr. Steve McMillen surveyor, representing Sandi Dorr, petitioning the Commission for a Preliminary Plat, Starting Point Tract 23 Replat, into 2 parcels known as Lot 1, an 18.18 acre parcel and Lot 2 a 10.00 acre parcel. Parcel Number: 1801300000 is located in Section 16, Township 14, and Range 19 in Levy County, Florida and has a land use of Ag/Rural Residential and a zoning designation of Ag/Rural Residential.

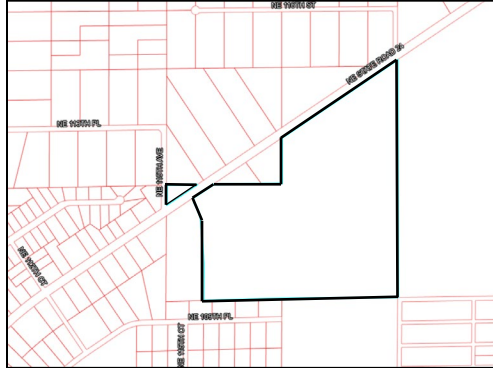


**PETITION NO. PP 25-02:** Mr. Steve McMillen surveyor, representing Jessica Farrell, petitioning the Commission for a Preliminary Plat, Starting Point, a portion of Tract 31 Replat, into one parcel known as Lot 31A, a 10-acre parcel to rectify a previous unapproved split. Parcel Number: 1802100100 is located in Section 09, Township 14, and Range 19 in Levy County, Florida and has a land use of Ag/Rural Residential and a zoning designation of Ag/Rural Residential.



**Quasi-Judicial PETITION NO SE 24- 01:** Anderson Columbia Co. Inc, on behalf of owners Mildred Johns and June Stoeber for Levy Borrow Pit petitioning the Levy County Board of County Commissioners for a Special Exception for a mining operation pursuant to Sec. 50-759 mining and excavation of minerals. resources, or natural resources, and site reclamation of the Levy County Land

Development Code to allow a sand mine (**no blasting or fracking**) on approximately 99 acres abutting NE State Road 24 approximately 1.5 from the county line of Levy County and Alachua County located in Section 26, Township 11, Range 17, Levy County Florida. The parcel is located in Agriculture/Rural Residential (A/RR) Land Use and Zoning district. Parcel Number(s) 0322100200.



In accordance with Section 286.0105, Florida Statutes, should any agency or person decide to appeal any decision made with respect to any matter considered at this meeting, such agency or person will need a record of the proceedings, and for such purpose. may need to ensure that a verbatim record of the proceeding is made, which record includes the testimony and evidence upon which the appeal is to be based"; and "In accordance with the Americans with Disabilities Act. persons needing a special accommodation or an interpreter to participate in the proceeding should contact the Office of the Board of County Commissioners at (352) 486-5218, at least two (2) days prior to the date of the meeting. Hearing impaired persons can access the foregoing telephone number by contacting the Florida Relay Service at 1-800-955-8770 (Voice) or 1-800-955-8771 (TDD)

Copies of said petitions and subsequent staff reports (if applicable) will be available for review, by appointment, at the Levy County Planning and Zoning Department, 320 Mongo Street Bronson, FL 32621. For information call 352-486- 5203. Interested parties may appear at the meeting and be heard regarding the proposed petitions.

Published March 27, 2025



February 18, 2025

Levy County Board of County Commissioners  
320 Mongo Street  
Bronson, FL 32621

**RE:     *Levy Borrow Pit – Special Exception Application***  
          *Kimley-Horn Project No. 242202000*

Dear Board of County Commissioners:

Please find enclosed for review the Special Exception Application for the above-described property located in Levy County, Florida to be utilized for non-blasting major mining operations where earth (sand & clayey sands) will be excavated or removed from or deposited. Major Mining Operations are currently listed as a Special Exception Use within Land Use/Zoning District F/RR, A/RR, & RR.

The subject property consists of one 99± acre parcel (Levy County Parcel ID: 0322100200) abutting NE State Road 24 approximately 1.5± miles from the county line of Levy County and Alachua County. The current Land Use and Zoning of the subject property are A/RR (Agriculture/Rural Residential) and has historically been vacant land. It is proposed to permit the subject property as the Levy Borrow Pit to be able to excavate the sand from the subject property to be utilized for construction activities throughout Levy and other counties. The proposed number of daily trips to/from the subject property is 54±; refer to the Traffic Impact Analysis submitted with the application package.

The subject property is currently surrounded by one residential property to the West of unknown size ("No Data Found" per Levy County Property Appraiser) and is Zoned A/RR; a 329.6± acre parcel of land, which is mostly wooded vacant land except for a small portion currently being used for mining activities, is located to the East of the subject property and Zoned A/RR; 4 1.25± acre residential parcels currently Zoned A/RR and one 80± acre parcel with one residential dwelling and multiple accessory buildings currently Zoned A/RR South of the subject property; one 3.3± or 1.9± acre residential parcels currently Zoned A/RR occupied by single family residences abutting the subject property to the North; and seven parcels with areas varying from 3.6± to 10.8± acres of land currently Zoned A/RR occupied by single family residences to the North of the subject property on the North side of NE State Road 24.

The main Ingress/Egress to the subject property will be provided by an improved driveway connection NE State Road 24 located approximately in the middle of the subject property's road frontage. NE State Road 24 currently has capacity and is structurally stable so as to handle the increased traffic from the proposed project. A Traffic Impact Analysis has been provided as part of the application package demonstrating the impacts of the subject project. The proposed hours of operation of the sand mine will be sunrise to sunset Monday through Saturday. All excavation on the subject property will be removed mechanically with no blasting proposed. No backfilling of the site is proposed, and remediation shall per FDEP requirements explained further in the Mining Impact Assessment Report. The exposure area of the mine shall be no more than 20 acres at a time. The lifespan of the mine is anticipated to be between 20 and 30 years depending on mining intensity and available minable resources.



The major mining operations proposed for the subject property will be compatible with the adjoining properties by complying with all requirements and standards for approval set forth in Chapter 50, Article XIII, Division 3, and Subdivision VI, Levy County Code and the location, proposed ingress/egress, and design of the proposed Levy Borrow Pit will meet the following minimum and specific criteria, standards, conditions, and requirements for special exceptions for major mining operations as listed in Section 50-759, Parts (2) & (3):

**Minimum Criteria, Standards, and Conditions:**

- (1) The proposed mining operation complies with all required regulations and standards of this chapter, as applicable, including provisions of Chapter 50, Article XIII, Division 3, and all applicable regulations;
- (2) The proposed mining operation will be serviced by State Road 24 which has been determined by a traffic study and traffic impact analysis to have adequate capacity to accommodate the increased traffic volume and load impacts and will not adversely impact any surrounding uses;
- (3) The proposed mining operation will incorporate a 100 feet setback along the entire perimeter of the subject property where 50 feet of the 100 feet setback will be improved with a vegetative buffer and/or a 7 foot high earthen berm as shown in the attached plans to provide the required screening and buffering from uses and structures of adjacent and nearby properties;
- (4) The proposed mining operation is consistent with the Comprehensive Plan, as this type of operation is currently listed as a special exception use within the Land Use/Zoning District "A/RR;"
- (5) The proposed mining operation will not adversely impact springs, rivers, tributaries, or water quality as the proposed mining operation is located more than 9.3± miles from Blue Grotto Springs, 8.7± miles from Devils Den Prehistoric Springs, 8.0± miles from Blue Springs Park, 22.5± miles from Fanning Springs, 24.1± miles from Manatee Springs, and 22.6± miles from the Suwannee River. In addition, the proposed mining operation is located more than 75 feet from any private water wells and more than 1000 feet from any public supply wells;
- (6) The proposed mining operation will not result in noise, odor, dust, vibration, off-site glare, substantial traffic or degradation of road infrastructure that will adversely impact surrounding development or cause hazardous traffic conditions due to the proposed screening/buffering to be provided around the entire perimeter of the mining operation to protect Agriculture/Rural Residential (A/RR) lots located to the North/South/West of the subject property;
- (7) The proposed mining operation will not adversely impact recreational enjoyment of State, Federal, or County Parks by the public as the subject property is not located near any State or Federal Lands accessible by the Public and more than 4± miles from County Parks accessible by the public;
- (8) The proposed mining operation will not cause an adverse environmental impact to any dumpsites, landfills, effluent ponds, or public supply wellheads as there are currently no dumpsites, landfills, effluent ponds, or public supply wellheads located within a 1000 foot radius of the subject property;
- (9) The proposed mining operation is not located in a prohibited area and meets all requirements regarding buffering, access, application, impact assessment, documentation, setback slope, reclamation requirements, and any other requirements, all as contained in the section;

- (10) The proposed mining operation has applied for an Environmental Resource Permit from the Southwest Florida Water Management District (SWFWMD) and the required "Notice of intent to Mine or Mining Other Resources" from the Florida Department of Environmental Protection (FDEP);
- (11) The proposed mining operation will neither be detrimental to the area residents and businesses, nor to the public health, safety, welfare of the community as a whole due to the subject property's location and proposed screening/buffering being provided from neighboring properties;

**(d) Specific Criteria, Standards, Conditions and Requirements for Special Exceptions for Major**

**A. Prohibited Areas for Major Mining Operations**

- 1) The proposed mining operation is located more than 500 feet from any abandoned dumpsites, landfills, or effluent ponds as identified by the FDEP. The proposed mining operation will not be performing any blasting as part of the operation;
- 2) The proposed mining operation is located more than 1000 feet from any public water wellheads of 100,000 GPD or greater (4± miles from the Town of Bronson Water Treatment Facility);
- 3) The proposed mining operation is located 24.1± miles from Manatee Springs and 22.5± miles from the Fanning Springs State Park Boundaries;
- 4) The proposed mining operation is located 22.5± miles from known streams, conduits, lineaments, fractures, or matrix flow paths with the potential to impact Manatee Springs or Fanning Springs, more than 75 feet from any private supply wells, and more than 1000 feet from any public supply wells which may directly or indirectly result in the occurrence of one or more of the following:
  - a. The deterioration of water quality of adjacent private or public supply wells, or reduction of their water level.
  - b. The deterioration of water quality of flow of Manatee Springs or Farming Springs.
- 5) The proposed mining operation is located more than 300 feet from lots of sizes of five acres or less zoned RR, R-1, R-2, RR3-C or RMU;

**B. Buffering Standards**

- 1) Length: The proposed mining operation will incorporate a buffer along the entire perimeter of the subject property (9,240± linear feet) as required by code.
- 2) Depth: The proposed mining operation will provide a minimum of 100 feet depth buffer setback measured perpendicularly from the subject property's property boundary;
- 3) Opacity: Existing vegetation will be used where it meets the required opacity standard. Where the existing vegetation does not meet this requirement, it will be enhanced by a providing a vegetative buffer. The enhanced buffer construction will be completed to provide the required opacity prior to mining activity within 500 feet of the area not meeting the required opacity.

- 4) Makeup: The proposed buffer will consist of a vegetated screen and/or a berm to obtain opacity.
  - a. With the proposed earthen berm, the outer 50 feet of the buffer will consist of a vegetated buffer.
  - b. Existing trees located within the vegetative screen will remain in place.
  - c. Where sufficient vegetation does not exist, the proposed vegetative screen will be planted with sand pine trees native to the area and compatible with the area soils.
- 5) Berms
  - a. The proposed earthen berm will run parallel to, and no closer than 50 feet from the property line.
  - b. The proposed earthen berm will be constructed to a height of seven feet above natural surface of the ground to shield mining activity from the property lines so that it cannot be viewed through the buffer from adjoining properties when viewed from the property line. The proposed earthen berm will undulate along the perimeter of the subject property while still providing the shielding from view of the adjoining properties from the property line.
  - c. The proposed earthen berm will be stabilized with the planting of a vegetation cover and slopes will not exceed 1:3 (vertical to horizontal).

C. Access Requirements

- 1) The proposed mining operation is located within an area that has direct ingress/egress access to a major collector road (SR 24) to the north of the subject property.
- 2) The proposed access and truck routes to and from the site do not traverse through platted recorded and unrecorded residential subdivisions.
- 3) Hauling Requirements: The traffic study prepared by Kimley-Horn & Associates, Inc. supports that the proposed mining operation will neither damage public nor private property due to the hauling of material and that hazardous traffic conditions will not be created. Hauling trucks utilizing public roads will be covered in a manner so as to prevent spillage, consistent with the Florida Department of Highway Safety and Motor Vehicles Standards and all hauling vehicles shall display the hauling company (or truck owner's name if privately owned) on the sides of the vehicle;

D. Setback Requirements

- 1) The proposed mining operation is located more than 100 feet from any road right-of-way boundary;
- 2) The proposed mining operation excavation activities will occur at least 100 feet from any adjoining undeveloped lot or parcel and from any residentially developed lot or parcel boundary;

**E. Reclamation Plan**

- 1) The owner of the proposed mining operation has applied for the required "Notice of Intent to Mine or Mining Other Resources" from FDEP.

**F. Mining Impact Assessment Report**

- 1) **Compatibility:** The proposed mining operation will not perform any blasting to remove sand/clay materials.
- 2) **Transportation System:** The traffic study prepared by Kimley-Horn & Associates, Inc. supports that the proposed mining operation will neither damage public nor private property due to the hauling of material and that hazardous traffic conditions will not be created. Hauling trucks utilizing public roads will be covered in a manner so as to prevent spillage, consistent with the Florida Department of Highway Safety and Motor Vehicles Standards and all hauling vehicles shall display the hauling company (or truck owner's name if privately owned) on the sides of the vehicle;
- 3) **Water Plumbing Activities:** The proposed mining operation will be utilizing water pumping facilities and water trucks to provide dust control activities within the mining areas and access roads.
- 4) **Reclamation Activities:** The proposed mining operation will perform reclamation activities as required by FDEP.

If you have any questions or require any additional information, please feel free to contact our office.

Sincerely,

**KIMLEY-HORN**



Jose A. Lopez Jr., P.E.  
Project Manager

JAL/jam

Attachments:

Cc: File

K:\OCA\_Civil\242202000-Levy County Borrow Pit\doc\Lcbcc250130jal.docx



## **MINING IMPACT ASSESSMENT REPORT**

# **LEVY BORROW PIT**

## **LEVY COUNTY, FLORIDA**

*Prepared for:*

**Anderson Columbia Co., Inc.**

*Prepared by:*

**Kimley-Horn and Associates, Inc.**

242202000

February 2025

© Kimley-Horn and Associates, Inc.

800 SW 2<sup>nd</sup> Avenue, Suite 100

Gainesville, Florida 32601

352 374 3274 TEL

**Kimley»Horn**

## TABLE OF CONTENTS

INTRODUCTION .....	1
COMPATIBILITY .....	1
TRANSPORTATION SYSTEM .....	2
WATER USE .....	2
STORMWATER MANAGEMENT .....	3
GRADING.....	3
OPERATION .....	3
RECLAMATION .....	4

## APPENDICES

ACCI BEST MANAGEMENT PRACTICES FOR PROJECT SPILLS

POTENTIOMETRIC SURFACE EXHIBIT

¼ MILE BUFFER COMPATIBILITY PARCELS

## INTRODUCTION

This Mining Impact Assessment Report ("Report") has been prepared to demonstrate compliance of the proposed mine with Sec.50-759(4) of the Levy County Land Development Code. The proposed mine will be a non-blasting mine situated on a 99± acre parcel (Levy County Parcel ID: 0322100200) abutting NE State Road 24 approximately 1.5± miles from the county line of Levy County and Alachua County. The current Land Use and Zoning of the subject property are A/RR (Agriculture/Rural Residential) and has historically been vacant land. It is proposed to permit the subject property as the Levy Borrow Pit to be able to excavate the sand from the subject property to be utilized for construction activities throughout Levy and other counties.

## COMPATIBILITY

The subject property is currently surrounded by one residential property to the West of unknown size ("No Data Found" per Levy County Property Appraiser) and is Zoned A/RR; a 329.6± acre parcel of land, which is mostly wooded, vacant land except for a small portion currently being used for mining activities, is located to the East of the subject property and Zoned A/RR; four 1.25± acre residential parcels currently Zoned A/RR and one 80± acre parcel with one residential dwelling and multiple accessory buildings currently Zoned A/RR South of the subject property; one 3.3± or 1.9± acre residential parcels currently zoned A/RR occupied by single family residences abutting the subject property to the North; and seven parcels with areas varying from 3.6± to 10.8± acres of land currently Zoned A/RR occupied by single family residences to the North of the subject property on the North side of NE State Road 24. A 1/4-mile buffer surrounding the project parcel along is depicted in an exhibit along with a list of properties within said buffer has been provided in the appendix of this report which includes a total of 117 properties.

Much of the property is wooded, with the western 350 to 400 feet sparsely wooded. As required by code, a 100-foot setback is proposed for the entire perimeter of the property. The existing wooded area is to be preserved within the setback area to comply with the buffering opacity requirement of 80% in Sec.50-579(2)(c) of the Levy County Land Development Code. For portions of the setback area where the 80% opacity cannot be achieved with existing vegetation, a berm shall be constructed following the requirements in Sec.50-579(2)(c),ii,3. of the Levy County Land Development Code and as seen in the proposed Site Plan. As this is a proposed non-blasting mine, vibration and sound will be limited to vehicle and equipment traffic on-site and is not anticipated to be a nuisance to surrounding parcel. Dust, as a result of mining operations, will be mitigated to the greatest extent possible by use of water trucks during hours of operations. Offsite propagation of sound and dust would be mitigated with the proposed buffering methodology and offsite vibration is not a concern since no blasting is proposed.

## **TRANSPORTATION SYSTEM**

The traffic study prepared by Kimley-Horn & Associates, Inc. supports that the proposed mining operation will neither damage public nor private property due to the hauling of material, and that hazardous traffic conditions will not be created. Hauling trucks utilizing public roads will be covered in a manner so as to prevent spillage, consistent with the Florida Department of Highway Safety and Motor Vehicles Standards, and all hauling vehicles shall display the hauling company (or truck owner's name if privately owned) on the sides of the vehicle.

Per a pre-application meeting with the Florida Department of Transportation (FDOT) and in line with the traffic study, a turn lane is not warranted for the project. FDOT has requested driveway tapers be proposed as most of the traffic entering and exiting the site will be used by trucks for hauling material. The driveway tapers are intended to mitigate off tracking of the dump trucks and protect the edge of pavement on the roadway. Signage will be installed warning motorists of potential trucks entering the highway.

During the pre-application meeting with FDOT and during the Access Connection Permit process, FDOT took no exception to the structural capacity of State Road 24 as it relates to the proposed truck traffic generated by the project. Based on information provided by the FDOT District 2 Pavement Assessment Manager, the segment of State Road 24 adjacent to the proposed mine site has an asphalt pavement thickness of between five to six inches, which is adequate to sustain the estimated additional 50 truck trips and 4 passenger vehicle trips per day. Additionally, per the Traffic Study dated June 2024 by Kimley-Horn, of the estimated 54 total additional daily trips, 80% (approximately 43 trips) would travel to and from the east while 20% (approximately 11 trips) would travel to and from the west, thereby distributing the roadway impact. The Average Annual Daily Traffic (AADT) volumes along State Road 24 is currently 7,920 trips, with approximately 9.1% being truck traffic (equates to 721 truck trips per day). The proposed project would increase the total AADT by 0.68% and increase the truck AADT by 6.9%.

## **WATER USE**

Per the Southwest Florida Water Management District, the maximum excavation of the minable area shall adhere to SWFWMD Volume II-5.4.1(b) and FDEP Volume I-8.5.2.2 which states "Avoid breaching an aquitard that would result in direct mixing of untreated water between surface water and an underground source of drinking water. Where an aquitard is not present, the depth of the stormwater treatment system shall be limited to prevent any excavation within three (3) feet of an underlying limestone formation which is part of a underground source of drinking water, as defined in Chapter 62-528, F.A.C." An aquitard, as defined by SWFWMD Volume-II-2.1.1, is "A tightly compacted soil structure that retards but does not prevent flow of water to or from an adjacent aquifer. It does not allow water to pass through it fast enough to be used as a water supply, but if breached, could allow mixing of water sources between adjacent aquifers." A confining layer, as defined in FDEP ERP Volume I 2.0(a)9, is "a layer of low permeability



material, such as clay or rock, adjacent to an aquifer that functions to prevent the transmission of significant quantities of groundwater flow under normal hydraulic gradients." These limitations are to protect the quality of the underlying aquifers from exposure to the mining operations. The geotechnical report prepared by Geotech, Inc., dated May 16, 2024, estimates the seasonal high ground water table between 11.5 feet and 32.5 feet deep. The report also states the only borings SB-04 and SB-05 encountered a confining layer ranging from 19 to 28 feet below existing site grade. Potentiometric surface DIS Data was reviewed from the Florida Geological Survey and in the 2016 contours (see exhibit in the Appendices), the potentiometric surface is indicated to be at elevation 50 feet along within the subject property. The project site does not have any wetlands or surface waters within 200 feet of the mining area, thus there is no impact during the proposed mining activities. Water for the purposes of dust mitigation will be sourced off-site as no water wells are proposed. The volume of water utilized for dust mitigation will vary depending on daily site conditions and the intensity of mining operations.

## **STORMWATER MANAGEMENT**

This project proposes a paved driveway connection to State Road 24, as required by FDOT, otherwise, no additional impervious area is proposed. Therefore, no additional stormwater runoff off will be generated. Existing stormwater patterns entering the site shall be maintained.

## **GRADING**

The proposed plans included in the Special Exception submittal package show the proposed grading. As discussed with the county, the mining activities will have a limited exposure of 20 acres at a time. No mining excavation activities shall occur within the 100-foot setback area. Backfilling of the site is not proposed as part of this project or application. The final slopes of the site shall adhere to Levy County Code Sec. 50-759(2)(f), FDEP regulations, and SWFWMD regulations, whichever is the most restrictive.

## **OPERATION**

The anticipated hours of operation for the mine will be Monday to Saturday from sunrise to sunset, as allowed by Levy County. Internal access routes and staging areas will vary as minable areas become exhausted of minable materials. The staging of vehicles related to mining operation will not occur within any public rights-of-way. No other access points will be used other than what is proposed in the Site Plan without seeking required approvals for governing jurisdictions. Sand is the target minable material, with excavation being the anticipated method of extracting the materials before being placed in dump trucks to be hauled off-site. Water trucks will be used regularly and as needed for dust control. The existing perimeter woods and/or proposed berms will serve as the primary method to control noise and light. Vibrations will be zero to minimal as no blasting is proposed and off-site propagation of vibrations is not anticipated. The anticipated life of the mine will be anywhere from 20 to 30 years depending on mining intensity.

## **RECLAMATION**

The developer/contractor's reclamation activities shall be coordinated with mining activities and initiated at the earliest practical time once mining activities have concluded. Final contouring of the mine shall be completed no more than one year after mining activities have ceased. The developer shall ensure that reclamation activities are in accordance with Levy County, Southwest Florida Water Management District, and Florida Department of Environmental Protection regulations.

The developer shall revegetate the final contoured areas no more than one year after contours have been established so long as it does not interfere with mining activities. Revegetation materials shall be native plants and/or trees and planted such that it mitigates soil erosion from the impacted and contoured lands of the site. Areas experiencing erosion will be repaired until vegetative cover is fully established and mining operations are complete. The developer will provide provisions for the safety of persons, wildlife, and adjoining properties. Mine Safety and Health Administration (MSHA) regulations will be followed ensure employee and operator safety as well as proper trespassing deterrence signage. All wildlife encountered shall remain unharmed as required by federal and state regulations. Should protected wildlife need to be relocated, the operator shall apply for the required approvals and/or permits through the governing agencies. Dust and sound shall be mitigated as much as possible as to not pose a nuisance or harm to adjoining properties.

Backfilling of materials is not proposed after mining activities have ceased. The developer will ensure that all visible debris, junk, worn-out or unusable items, and materials are removed from the site and that the site be reclaimed to a neat and clean condition. The developer will remove any temporary structures except those in sound condition with potential uses compatible with reclamation activities. If mining activities cease for more than two years, all the reclamation requirements herein shall be met. This period may be extended to a maximum of five years if mining interruptions are caused by government action during reviews of environmental permit applications in the future.

---

---

## APPENDICES

---

---

---

---

## **ACCI BEST MANAGEMENT PRACTICES FOR PROJECT SPILLS**

---

---



**ANDERSON COLUMBIA CO., INC.**  
**871 NW Guerdon St. – Lake City, Fl. 32056**  
**(386) 752-7585 – Fax (386) 755-5430**

### **ACCI BEST MANAGEMENT PRACTICES FOR PROJECT SPILLS**

Storage and/or use of toxic or hazardous substances will be kept at a minimum on the jobsite. However, due to the nature of the job, some toxic/hazardous substances will be required to be used onsite. The following is a list of the most common environmentally sensitive substances that will be routinely found on the project.

1. Diesel
2. Gas
3. Motor Oils
4. Hydraulic Fluids
5. Lubricates (Greases, etc.)
6. Paints

The greatest exposure for spills/releases occurs during the scheduled vehicle/equipment maintenance activities. However, these exposures are minimized by:

- Use of off-site fueling sites when practical.
- Train employees who are on the project in proper spill prevention and clean-up.
- Use a designated area and/or secondary containment for on-site repair or maintenance activities. These areas shall be located away from drainage courses.
- Use absorbent materials on small spills. Avoid hosing down or burying spills. Remove and properly dispose of clean-up materials.
- Secondary containment devices such as drop cloths and drain pans shall be used to catch leaks or spills while removing or changing fluids from vehicles or equipment.
- Avoid “topping –off” of fuel tanks.
- Immediately transfer used fluids to the appropriate waste or recycling containers. Avoid leaving full drip pans and open containers on-site.
- On-site vehicles and equipment shall be inspected regularly for leaks and all leaks shall be immediately repaired.

Contaminated materials from small spills will be transported to the closest Anderson Columbia service yard for temporary storage until disposal can be arranged.

Spills will be reported to the Job Superintendent and/or Environmental Manager. Fuel spills in excess of 25 gallons will be reported to the State Warning Point (1-800-320-0519) as soon as possible, but in all cases within 24 hours of discovery.

---

---

## POTENTIOMETRIC SURFACE EXHIBIT

---

---







---

---

## **1/4 MILE BUFFER COMPATIBILITY PARCELS**

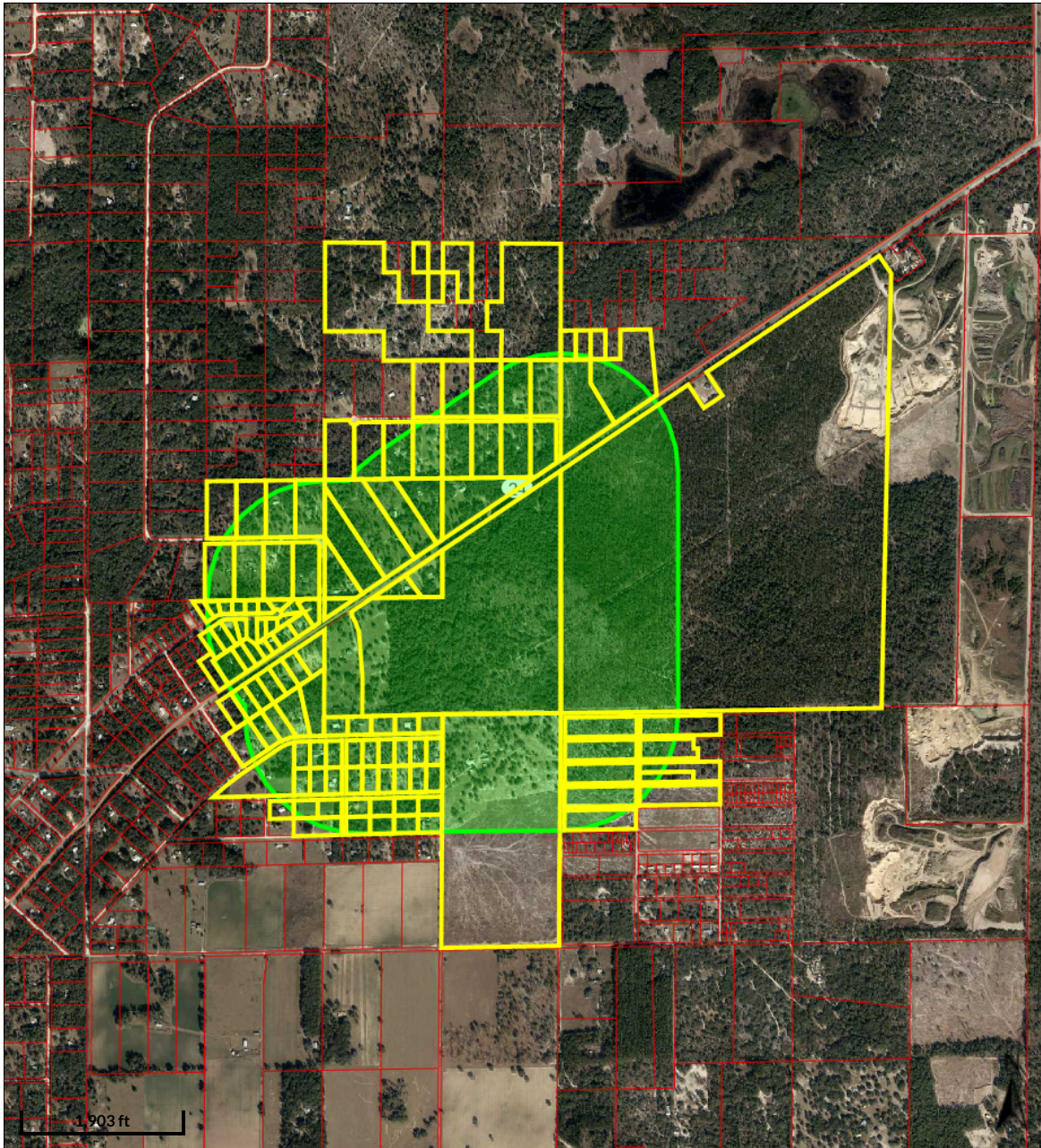
---

---





# Levy County, FL



## Overview



## Legend

-  Parcels
-  Roads
-  City Labels

Date created: 12/3/2024  
Last Data Uploaded: 12/2/2024 7:36:31 PM

Developed by  **SCHNEIDER**  
GEOSPATIAL

Parcel ID: 1658400000 Owner: THOMPSON MICHAEL Address: 11291 NE 113TH PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1737200000 Owner: BRADLEY SHAWNTA Address: 11281 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1658100000 Owner: GORDON BARBARA J; PLEMONS KENNETH J Address: 11351 NE 113TH PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1737300000 Owner: GEER KELLY L; GEER SHEILA A Address: 11291 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1658000000 Owner: BARIL ELAYNE M; SEVER-RITTER MARY BARBARA-EH LIFE EST; BARIL DAVID M Address: 11391 NE 113TH PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1737400000 Owner: SERRALTA DOCTEN SCAMYC-TTEE; SERRALTA LUCIA P-TTEE; SERRALTA LIVING TRUST Address: None Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1657700000 Owner: MALDONADO ANDRES; GONZALEZ MAGDA Address: 11451 NE 113 PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1737500000 Owner: LEHMAN ARTURO Address: None Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1658300000 Owner: JAMERSON WILLIAM G; CAMPBELL HEATHER K Address: 11290 NE 113 PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1737600000 Owner: LEHMAN ARTURO Address: None Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1658200000 Owner: GUZMAN WENDY; GUZMAN ANGELO A Address: 11350 NE 113 PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1737700000 Owner: ASHMAN JOHN; ASHMAN SHARON Address: 11431 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1657900000 Owner: PERLERA JEOVANY; IDALGO EVELYN S Address: 11390 NE 113 PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1737800000 Owner: BROWN DAVID CONT; BROWN KIMBERLY THOMPSON CONT Address: 11291 NE 113TH PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1657800000 Owner: KOSINSKI PAUL F; KOSINSKI TAMMY W Address: 11290 NE 115 AVE, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1737900000 Owner: SPELLMAN EBBIN Address: 11491 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential

Parcel ID: 0971502600 Owner: SINGER MICHAEL P; SINGER JENNIFER L Address: 11250 NE 115 AVE, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0971501100 Owner: PEACOCK PATRICIA V Address: 11290 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1741400000 Owner: GREEN PATRICK Address: 11481 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0971501000 Owner: PEACOCK PATRICIA V Address: 11260 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1738000000 Owner: CRAIG JOHN; WILLIAMS LATASHA Address: 11470 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1740400000 Owner: BELASKA CLARA Address: 11311 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1738100000 Owner: COUCH CHRISTOPHER RAY; COUCN SUSANNAH LAWRENCE Address: 11440 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1740600000 Owner: BELASKA CLARA Address: 11351 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1741200000 Owner: MILLER CARLTON LENARD; MILLER JUDITH LIVATT; FLOYD JAELYN ALEXANDRIA Address: 11451 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1740700000 Owner: MIRAFLORES GROUP LLC Address: 11361 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1738200000 Owner: THOMPSON RASHIDA C Address: 11430 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1740800000 Owner: ING EVERMONT RYAN; PEREZ MURALLES SAYRI JUDITH Address: 11371 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1738400000 Owner: LEWIS NATALIE M; LEWIS REGINALD N JR Address: 11370 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0972600000 Owner: ELKINS KATHRYN G Address: 11450 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1738500000 Owner: THORNTON JAMES B; THORNTON NAYMARA Address: 11330 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0972600100 Owner: ELKINS KATHRYN G Address: 11430 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 0972600200 Owner: WELCOME MERIL A Address: 11390 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0972601200 Owner: ONDRICK MARK; ONDRICK SHARON Address: 11451 NE 109TH PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential

Parcel ID: 0972600300 Owner: SAXON CHRISTOPHER MICHAEL; KLACKO NICOLE LEE Address: 11360 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0972601300 Owner: GUALLPA LLC Address: None Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 0972600400 Owner: SAXON CHRISTOPHER M Address: 11350 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0972800500 Owner: SELNAU HENRY E; SELNAU LILLIAN S; SELNAU ALLEN K Address: 11351 NE 108 ST, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 0972600500 Owner: COEN BELINDA -LIFE ESTATE; COEN JEMEMY -ET AL-COEN JOSEPH Address: 11330 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0972800200 Owner: ADAMS DONALD; ADAMS FREDERICK ET AL; ADAMS JUANITA Address: 11450 NE 109 PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 0972600600 Owner: CHURCH OF SAND HILL INC Address: None Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0972800100 Owner: HOGAN CHARLES II; HOGAN NICOLE Address: 11490 NE 109 PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 0972600900 Owner: KAYALI IBRAHIM CEM Address: 11291 NE 109 PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0972800700 Owner: OSBORNE QUINCY LEE JR; OSBORNE EBONY LASHAWN Address: 11451 NE 108 ST, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 0972601000 Owner: BARR RAMONA; BARR TORY Address: 11391 NE 109 PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0973000200 Owner: KEENE GLEN B; KEENE DONNA L Address: 11450 NE 108 ST, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 0972601100 Owner: ONDRICK MARK; ONDRICK SHARON Address: None Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0973000100 Owner: ONDRICK MARK & SHARON Address: None Zoning: Rural Residential Landuse: Rural Residential

Parcel ID: 0322301300 Owner: FLORIDA LAND INVESTMENT GROUP LLC Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0321901800 Owner: FLORIDA LAND INVESTMENT GROUP LLC Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 1656400000 Owner: PATEL VINOD K-TTEE; PATEL RUKHI V-TTEE-ET AL; PATEL FAMILY TRUST Address: 11751 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0321901500 Owner: FERRANDO ANGEL; GONZALEZ DALIA Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 1656500000 Owner: CARLO JOHN L TRS; DR JOHN L CARLO REVOCABLE TR Address: 11771 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0321900800 Owner: TIMBERLAKE PRESERVE LLC Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 1656600000 Owner: CRAIG JOHNNIE S; CRAIG JOHN A Address: 11851 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0321901100 Owner: TIMBERLAKE PRESERVE LLC Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 1656700000 Owner: GRAHAM JAMES F Address: 11951 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 1656900000 Owner: ROGERS IAN M Address: 11991 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 1656800000 Owner: CORNWELL NANCY S Address: 11991 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 1657000000 Owner: JENKINS-NELSON FELESIA ANGELEQUE Address: 11950 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0321901700 Owner: FLORIDA LAND INVESTMENT GROUP LLC Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 1657100000 Owner: CORNELL ELIZABETH Address: 11850 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 1657200000 Owner: CRAIG JOHN A JR Address: 11790 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 1657400000 Owner: HOBBS KYLE; HOBBS MORGAN Address: 11650 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 1657300000 Owner: WHITE CHRISTOPHER Address: 11750 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 1657500000 Owner: ABOUZID AHMED M; ABOUZID BETTY JOAN Address: 11590 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential

Parcel ID: 1657600000 Owner: HEAGNEY PAUL J JR; ADAMS WILLIAM F ET AL; HEAGNEY GARY M; INFANDE GLORIA J; HEAGNEY STEVEN W Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0322000700 Owner: LOPEZ ELLEN NICOLE Address: 11670 NE STATE ROAD 24, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0322100100 Owner: SHEPPARD DOROTHY CELESTE Address: 11851 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0321900000 Owner: WHITEHURST CATTLE CO Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0322000200 Owner: SOUTHARD JESSICA LAUREN; PARDO JOSHUA ANTHONY Address: 11791 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972601400 Owner: HARVEY DAVID E Address: 11531 NE 109 PL, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0322000300 Owner: OWENS HJORDIS B-TTEE; KIM WALLACE OWENS FAM REV TRUST; OWENS KIM WALLACE-TTEE Address: 11751 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972601500 Owner: HAYS ELIZABETH LEIGH; EVANS DAN G-EH LIFE EST; SPENCER ANN EVANS; EVANS MARIE T-EH LIFE EST Address: 11541 NE 109 PL, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0322000000 Owner: RUTTER MICHAEL J Address: 11651 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972601600 Owner: YUJA SAMIR JACOBO; YUJA VERONICA Address: 11631 NE 109 PL, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0322000400 Owner: BERTULFO REINALDO BACATAN JR Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972601700 Owner: RODRIGUEZ MIGUEL ALEXIS; JOHNSON JAMIE LEE Address: 11651 NE 109 PL, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0322000100 Owner: RESPETO-HARDY RYAN E; RESPETO-HARDY EMMA LEIGH Address: 11551 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972601800 Owner: THOMPSON JOHN B JR Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0322000500 Owner: CLENNEY MITCHELL B; CLENNEY VICTORIA L Address: 11650 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972800000 Owner: DARLING-COLE FRANKIE A Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential



Parcel ID: 0972800900 Owner: LAKE SIMEON W; LAKE KIMBERLY L Address: 11511 NE 108 ST, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972700700 Owner: RUCCIONE WILLIAM A -EH LIFE ESTATE; RUCCIONE SUZANNE C -EH LIFE ESTATE ET AL-; RUCCIONE VINCENT J Address: 11591 NE 108 ST, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0972700500 Owner: COUGHLIN DONALD; COUGHLIN MONIQUE Address: 11550 NE 109 PL, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972700800 Owner: RUCCIONE VINCENT J; RUCCIONE MONICA M Address: 11651 NE 108 ST, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0972700400 Owner: CLEMENTS F JULIETTE; BOWEN TAMARA LYNN Address: 11590 NE 109 PL, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972700900 Owner: RUCCIONE VINCENT J; RUCCIONE MONICA M Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0972700300 Owner: DI MATTEO HELEN; NORMAN LINCOLN Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972701000 Owner: FORD DWAYNE; FORD LATACHA Address: 11731 NE 108 ST, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0972700200 Owner: THOMPSON JOHN B JR; THOMPSON GLENNETA D Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972701100 Owner: ONDRICK MARK; ONDRICK SHARON Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0972700100 Owner: THOMPSON JOHN B JR; THOMPSON GLENNETA D Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0973000000 Owner: STOICA PATRICIA-ESTATE Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0972700000 Owner: THOMPSON JOHN B JR; THOMPSON GLENNETA D Address: 11750 NE 109 PL, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0973000400 Owner: TRIMM JOHN; TRIMM APRIL Address: 11491 NE 107 PL, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0972700600 Owner: MARSHALL DAVID A Address: 11589 NE 108 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0973100300 Owner: TOFFEL DON; TOFFEL OLITA Address: 11590 NE 108 ST, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential

Parcel ID: 0973100200 Owner: FISHER JOYCE; FISHER EDDIE Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0658600000 Owner: BRIGGS LINDA TRS; LINDA BRIGGS REVOCABLE TR Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0973100100 Owner: ONDRICK MARK; ONDRICK SHARON Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0658700000 Owner: BRIGGS LINDA TRS; LINDA BRIGGS REVOCABLE TR Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0973100000 Owner: MOROWSKI STEVE; MOROWSKI TRACY Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0659000000 Owner: MURPHY ROBERT J; BRIGGS LINDA TRS ET AL LINDA BRIGGS REVOCABLE TR Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0973100400 Owner: POSTMAN ALAN L; SIMON RONALD M Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0659100000 Owner: DUNN WAYNE F TRS; WAYNE DUNN REVOCABLE TR Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0973100500 Owner: ONDRICK MARK; ONDRICK SHARON Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0659600000 Owner: MURPHY ROBERT JR; MURPHY GAIL Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0973100600 Owner: KING JASON; KING EMILY Address: 11691 NE 107 PL, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0659700000 Owner: QUINN MIGDALIA Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0973100700 Owner: ASBELL CAMERON; ASBELL MELISA Address: 11751 NE 107 PL, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0659800000 Owner: DUNN WAYNE F TRS WAYNE DUNN REVOCABLE TR Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0326300000 Owner: WILCOX LARRY R SR-EH LIFE EST; WILCOX LARRY JR; WILCOX TONYA; WILCOX PAUL Address: 11851 NE 108 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0660000000 Owner: LARRY & SON INC Address: 12951 NW 60 ST, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0660300000 Owner: LARRY & SON INC Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	





## DRAINAGE REPORT

# LEVY BORROW PIT

## LEVY COUNTY, FLORIDA

*Prepared for:*

**Anderson Columbia Co., Inc.**

*Prepared by:*

**Kimley-Horn and Associates, Inc.**

242202000

February 2025

© Kimley-Horn and Associates, Inc.

800 SW 2<sup>nd</sup> Avenue, Suite 100

Gainesville, Florida 32601

352 374 3274 TEL

**Kimley»Horn**

**DRAINAGE REPORT**

**LEVY BORROW PIT**

**LEVY COUNTY, FLORIDA**

*Prepared for:*

**Anderson Columbia Co., Inc.**

*Prepared by:*

**Kimley-Horn and Associates, Inc.**

242202000  
January 2025  
© Kimley-Horn and Associates, Inc.  
800 SW 2<sup>nd</sup> Avenue, Suite 100  
Gainesville, Florida 32601  
352 374 3274 TEL

THIS IS TO CERTIFY THAT THE ENCLOSED  
ENGINEERING CALCULATIONS WERE  
PERFORMED BY ME OR UNDER MY DIRECT  
SUPERVISION.

---

Jose A. Lopez Jr, P.E.  
Florida Registration #86446  
Registry #35106

## TABLE OF CONTENTS

INTRODUCTION.....	1
PERMITTEE.....	1
FLOODPLAIN .....	1
WETLANDS .....	1
DESIGN AND METHODOLOGY .....	2
Water Table investigation.....	2
Water Quality and Quantity.....	2
Erosion Control and Maintenance .....	2

## APPENDIX

STAGE-STORAGE TABULATION  
MAP FIGURES  
PROPERTY OWNERSHIP  
SURVEY  
GEOTECHNICAL REPORT

## INTRODUCTION

Anderson Columbia Co., Inc., the Permittee, is applying for an Environmental Resource Permit (ERP) to operate a proposed sand mine on Levy County Parcel ID No. 0322100200, located off State Road 24 in Unincorporated Levy County northeast of the City of Bronson. The past and current use of the subject project property is partially wooded vacant land with gate access from State Road 24. The proposed mining project area will encompass  $\pm 98.96$  acres.

The mining excavations will occur in a single phase with mining depths varying depending on the quality of materials being excavated from the proposed borrow pit. Maximum mining depths shall be as specified by the Florida Department of Environmental Protection (FDEP) and Southwest Florida Water Management District (SWFWMD) rules and regulations. Per a pre-application meeting with SWFWMD held on February 8<sup>th</sup>, 2023, the maximum depth of excavation is limited to one foot above the aquitard or the top of the confining layer, whichever is higher. Hauling trucks and hauling routes will vary based on specific client needs. Upon completion of mining activities, the project site will be reclaimed according to FDEP, SWFWMD, and Levy County rules and regulations.

Access to the site will be via a proposed private driveway connecting to State Road 24. Access and Drainage Permits will be applied for with the Florida Department of Transportation (FDOT). No buildings or impervious surfaces are proposed to be constructed on the subject property other than the driveway connection to State Road 24

## PERMITTEE

The following is the permittee information for the proposed project and the responsible authority for operation and maintenance.

Permittee:	<b>Anderson Columbia Co., Inc.</b>
Mailing Address:	<b>871 NW Guerdon Street</b>
City, State, ZIP:	<b>Lake City, FL 32055</b>
Phone Number:	<b>(813) 323-7203</b>
Email Address:	<b>zeb.cheshire@andersoncolumbia.com</b>

## FLOODPLAIN

According to FEMA Flood Insurance Rate Maps (FIRM) No's: 12075C0205F and 12075C0090F, effective 11/02/2012, the proposed project area is not located within an established flood plain, refer to the Appendix for a FEMA FIRM exhibit.

## WETLANDS

No wetlands are to be impacted during the proposed mining activities.

## **DESIGN AND METHODOLOGY**

### ***Water Table investigation***

The project site is in mostly Candler Fine Sands with small areas of Orlando Fine and Astatula Fine Sands along the perimeter of the site, which are classified as well drained soils as shown on the soils map in the Appendix. Potentiometric surface DIS Data was reviewed from the Florida Geological Survey and in the 2016 contours, the potentiometric surface is indicated to be at elevation 50.0 along within the subject property (see Appendix for map). The proposed mining operations shall not penetrate elevation 52.0 which is 2-feet above the potentiometric surface elevation exceeding SWFWMD requirements. Based upon the Geotechnical Report prepared by Geotech, Inc. on May 17, 2024 (see Appendix), the estimated seasonal high ground water table (ESHGWT) was estimated to range from elevation 50.8 to 71.2. The average ESHGWT was calculated to be at elevation 64.0. It is anticipated that mining below the ESHGWT may result in seasonal ponding and is addressing the Reclamation Plan.

### ***Water Quality and Quantity***

Pre-development storm runoff patterns will be maintained during mining activities. Stormwater Best Management Practices (BMP's) shall include the maintenance of a proposed 100-foot setback from adjacent property boundaries which will include provisions to allow off-site drainage runoff to continue as in the pre-development condition. No additional water quality measures are proposed for the project as any stormwater runoff will be contained on-site during mining operations. There are no impervious areas to be constructed on-site, thus the stormwater runoff rate will not increase because of the proposed mining operation. The mining operation will ultimately generate approximately 491.05 acre-feet of storm runoff storage between the ESHGWT and the lowest top of bank elevation due to resource removal from the site. The peak stage for the 100-year, 24-hour design storm event is 66.51-ft. which is approximate 5.5-ft. below the lowest point along the site perimeter (see Appendix for storm runoff calculations). Negative environmental impacts resulting from mining operations are not expected.

### ***Erosion Control and Maintenance***

The proposed 100-foot setback will serve to prevent sediment from washing off-site. No dewatering activities are anticipated for the project. Water trucks will be utilized regularly for dust control.

---

# APPENDICES

---

---

---

## STORM WATER CALCULATIONS

---

---

**PR-Borrow Pit  
DRAINAGE BASIN  
PROPOSED CONDITION  
CURVE NUMBER CALCULATIONS**

<b>Total Area:</b>	<b>203.60</b>	<b>AC</b>
<b>Total DCIA Area:</b>	<b>59.41</b>	<b>AC</b>
<b>Percent (%) DCIA of Area:</b>	<b>29.18%</b>	
<b>Total Weighted CN Area:</b>	<b>203.60</b>	<b>AC</b>
<b>Weighted Curve Number:</b>	<b>56.22</b>	

Land Use Description	Area		% DCIA	% Impervious	% Pervious
Open Space, Type "A" Soil	144.19	AC	0.0% DCIA	0.0% Impervious	100.0% Pervious
Borrow Pit	59.41	AC	100.0% DCIA	0.0% Impervious	0.0% Pervious
<b>TOTAL AREA -----&gt;</b>	<b>203.60</b>	<b>AC</b>			

	% LAND USED	DCIA AREA (AC)	C.N.	
Open Space, Type "A" Soil	0%	0.00	100	
Borrow Pit	100%	59.41	100	
<b>TOTAL ---&gt;</b>		<b>59.41</b>		
				<b>Percent (%) DCIA of Area = 29.18%</b>

<b>WEIGHTED C.N.</b>					
	% LAND USED	AREA (AC)	% AREA	C.N.	%XC.N.
Open Space, Type "A" Soil	100%	144.19	70.8%	39	27.62
Borrow Pit	0%	59.41	29.2%	98	28.60
<b>TOTAL -----&gt;</b>		<b>203.60</b>	<b>100%</b>		<b>56.22</b>



**PR-Borrow Pit**  
**PROPOSED CONDITION**  
**AREA & STAGE-STORAGE VOLUME**

<b>Stage (ft)</b>	<b>Area (ac)</b>	<b>Area (sf)</b>	<b>Stor. Vol. (cf)</b>	<b>Stor. Vol. (ac-ft)</b>	
64.00	59.41	2588030	0	0.00	<b>ESHGWT</b>
65.00	59.91	2609468	2598749	59.66	
66.00	60.40	2630906	5218937	119.81	
67.00	60.89	2652344	7860562	180.45	
68.00	61.38	2673782	10523625	241.59	
69.00	61.87	2695220	13208126	303.22	
70.00	62.37	2716658	15914065	365.34	
71.00	62.86	2738096	18641443	427.95	
72.00	63.35	2759534	21390258	491.05	<b>TOB</b>
<b>Stage-Storage Volume @ T.O.B.</b>			<b>72.00</b>	<b>=</b>	<b>491.05 ac-ft</b>
<b>100-24 Design Storm Peak Stage</b>				<b>=</b>	<b>66.51 ft</b>

**PR-Borrow Pit  
SJRWMD 100-24 RAINFALL EVENT  
STORM RUNOFF CALCULATIONS**

**Total Runoff Volume = 151.53 ac-ft**

**Rainfall Intensity = 11.50 inches**

**Total DCIA Area (excluding Pond) = 59.41 AC**

**Total Weighted CN Area: 203.60 AC  
Weighted Curve Number: 56.22**

**DCIA Runoff Volume in Acre-Feet**

V = 59.41 x 11.50 x 1/12 inches/ft

V = 56.94 acre-feet

**Based on SCS Runoff Curve Number Method**

**Runoff in Inches**

S =  $\frac{1.000}{56.22}$  - 10 S = 7.79

Q =  $\left[ \frac{11.50 - 0.2 \times 7.79}{11.50 + 0.8 \times 7.79} \right]^2$

Q = 5.58 inches

**Runoff Volume in Acre-feet**

V = 203.60 x 5.58 x 1/12 inches/ft

V = 94.59 acre-feet

DCIA Runoff Volume = 56.94 acre-feet  
Runoff Volume = 94.59 acre-feet  
**Total Runoff Volume ac-ft = 151.53 acre-feet**



---

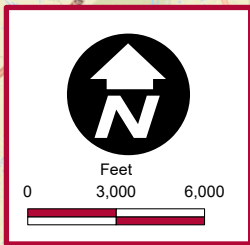
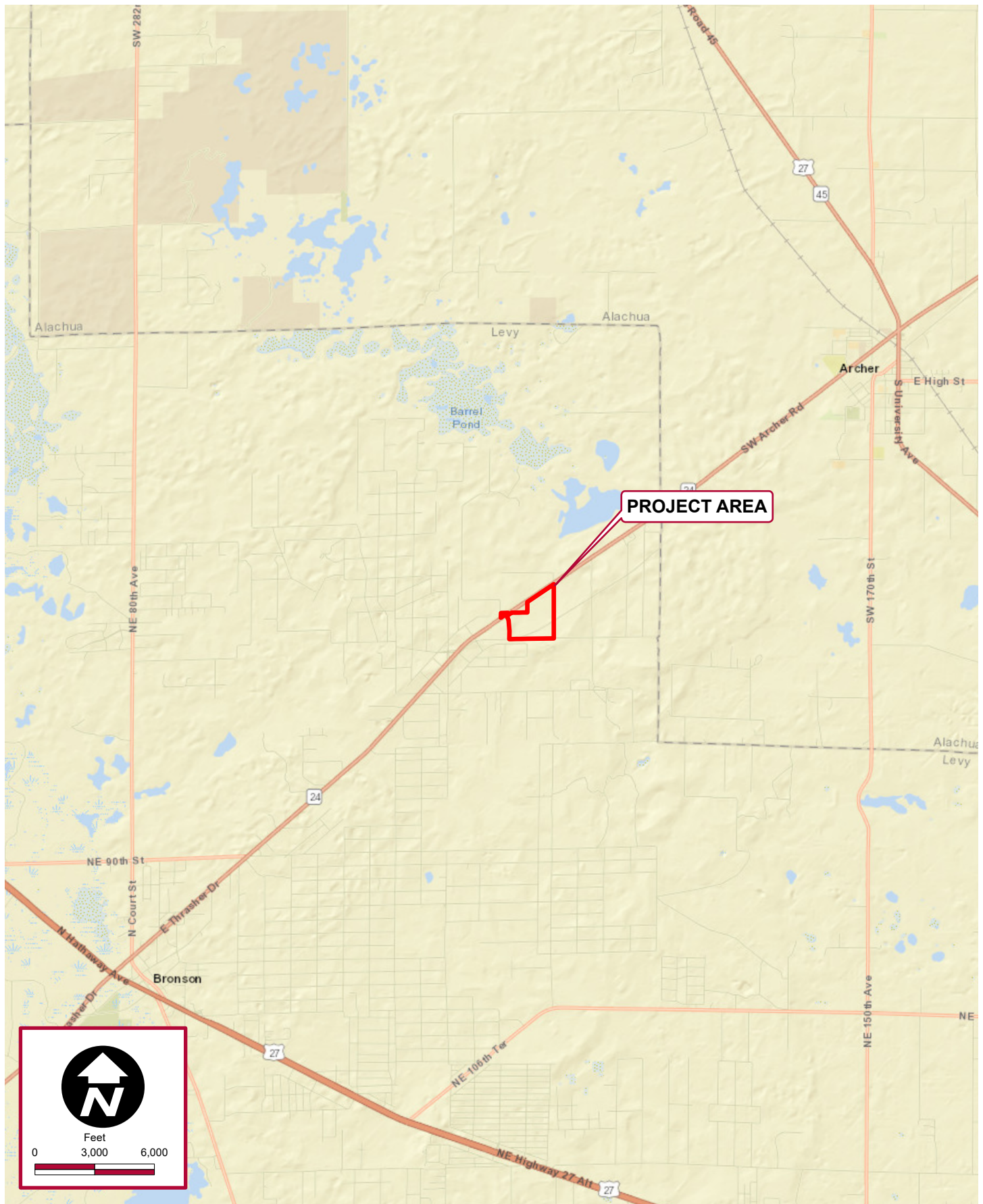
---

## MAP FIGURES

---

---





**Kimley»Horn**

© 2024 Kimley-Horn and Associates, Inc.  
1700 SE 17th Street, Suite 200, Ocala FL 34471  
Phone: (352) 438-3000  
www.kimley-horn.com Registry Number 35106

LOCATION MAP

**BORROW PIT  
LEVY COUNTY, FLORIDA**

Scale: As Noted

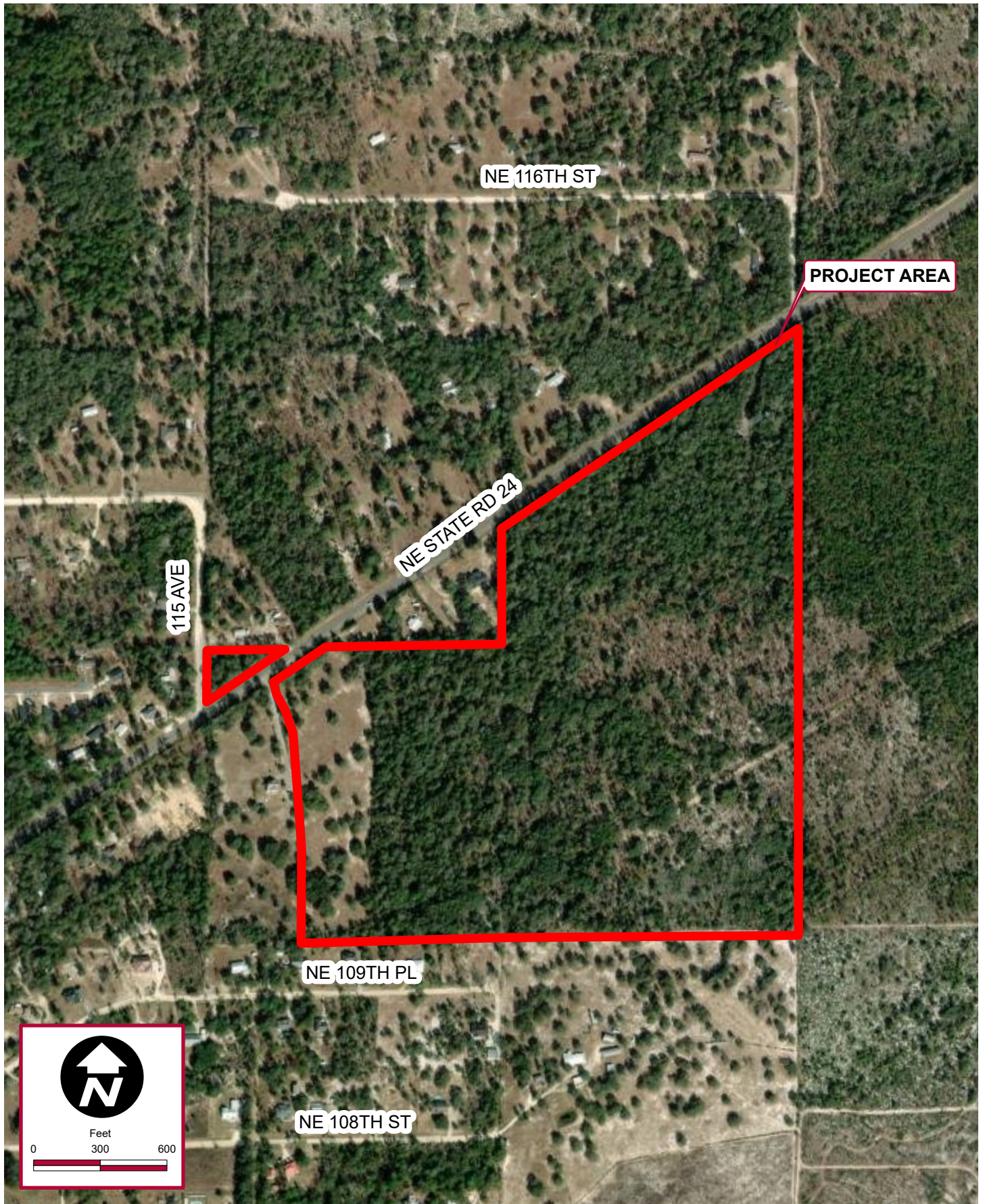
Project No.: 242202000

May 2024

Figure 1



K:\OCA\_Civil\242202000-Levy County Borrow Pit\GIS\GIS Exhibits.aprx - 5/20/2024 9:35 AM - josh.lucero



**Kimley»Horn**

© 2024 Kimley-Horn and Associates, Inc.  
1700 SE 17th Street, Suite 200, Ocala FL 34471  
Phone: (352) 438-3000  
www.kimley-horn.com Registry Number 35106

AERIAL MAP

BORROW PIT  
LEVY COUNTY, FLORIDA

Scale: As Noted

Project No.: 242202000

May 2024

Figure 2



**Legend**

FEMA Flood Zones 2017

 FEMA Flood Zone A

 FEMA Flood Zone AE

**PROJECT AREA**



Feet

0 500 1,000

Data Source: FEMA Firm ID: 12075C0090F  
Effective Date: November 2, 2012

**Kimley»Horn**

© 2024 Kimley-Horn and Associates, Inc.  
1700 SE 17th Street, Suite 200, Ocala FL 34471  
Phone: (352) 438-3000  
www.kimley-horn.com Registry Number 35106

FEMA FLOOD MAP

**BORROW PIT  
LEVY COUNTY, FLORIDA**

Scale: As Noted

Project No.: 242202000

May 2024

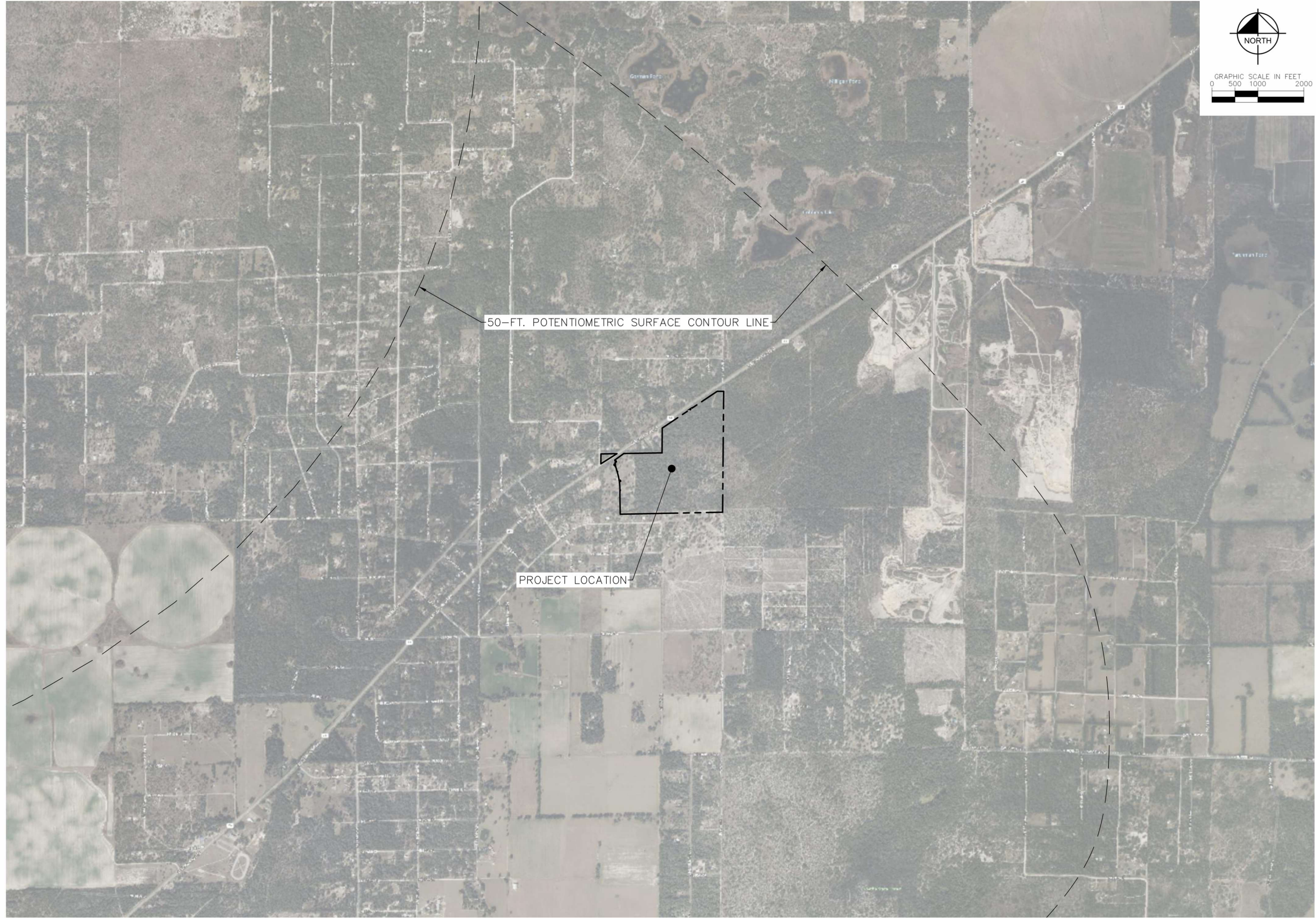
Figure 3



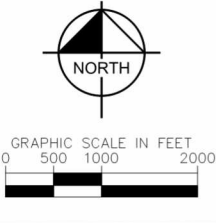




This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



PROJECT LOCATION



GRAPHIC SCALE IN FEET

0 500 1000 2000

LEVY COUNTY  
BORROW PIT  
PREPARED FOR  
ANDERSON COLUMBIA  
LEVY COUNTY  
FLORIDA

# POTENTIOMETRIC SURFACE MAP

LICENSED PROFESSIONAL

---

JOSE LOPEZ JR, P.E.

FLORIDA LICENSE NUMBER  
86446

DATE: \_\_\_\_\_

DATE:

KHA PROJECT  
242202000

DATE \_\_\_\_\_

DATE \_\_\_\_\_

JANUARY 2025

SCALE AS SHOWN

DESIGNED BY KHA

DRAWN BY

CHECKED BY \_\_\_\_\_

**Kimley»»Horn**

© 2024 KIMLEY-HORN AND ASSOCIATES, INC.

REVISIONS

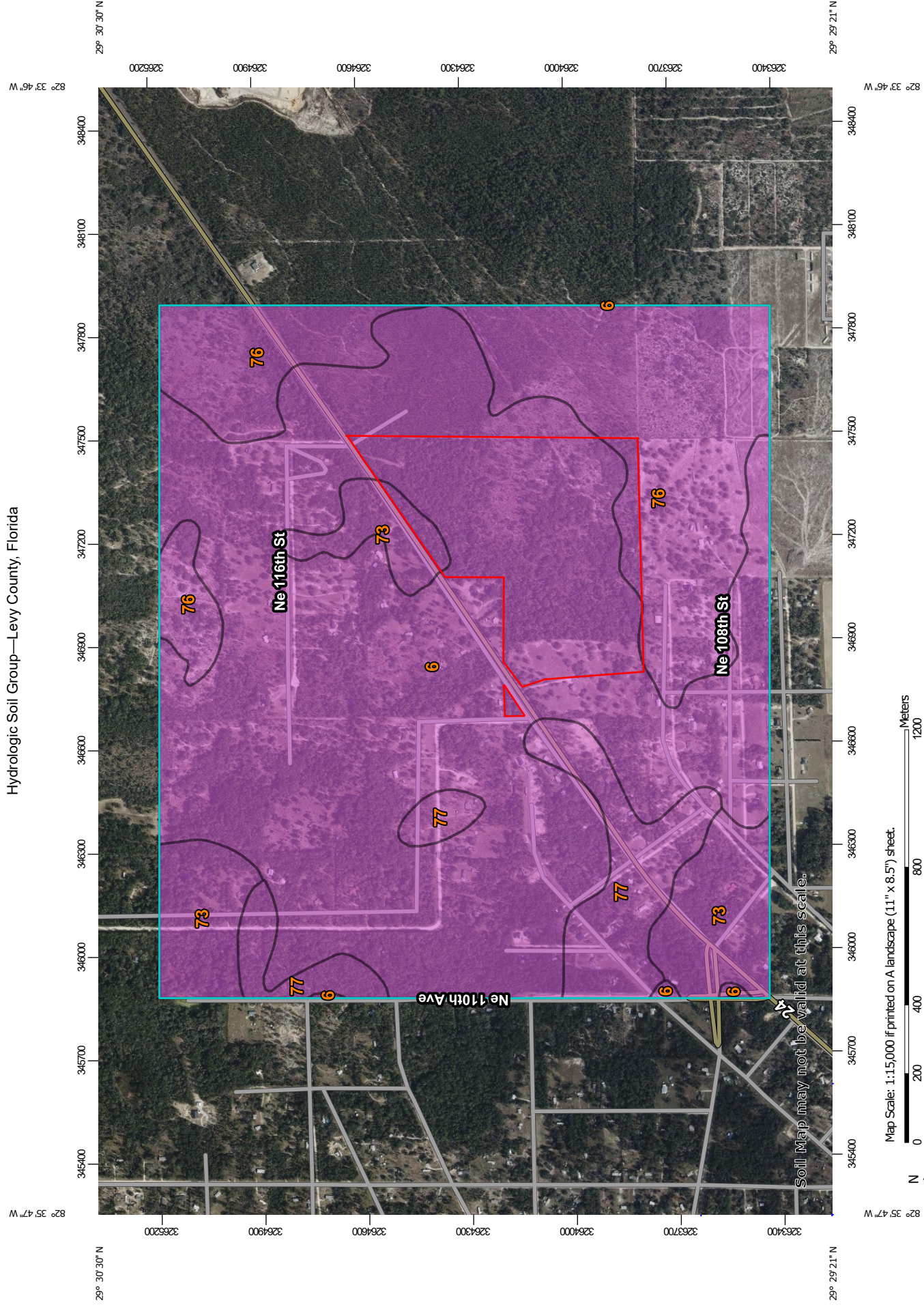
No.

DATE \_\_\_\_\_

BY



Hydrologic Soil Group—Levy County, Florida



Map Scale: 1:15,000 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

**Area of Interest (AOI)**

Area of Interest (AOI)

**Soils**

**Soil Rating Polygons**

A

A/D

B

B/D

C

C/D

D

Not rated or not available

**Water Features**

Streams and Canals

**Transportation**

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

**Background**

Aerial Photography

**Soil Rating Lines**

A

A/D

B

B/D

C

C/D

D

Not rated or not available

**Soil Rating Points**

A

A/D

B

B/D

C

C/D

D

Not rated or not available

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL: [Web Soil Survey](#)

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Levy County, Florida

Survey Area Data: Version 20, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 9, 2022—Feb 10, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



## Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
6	Candler fine sand, 1 to 5 percent slopes	A	546.3	62.0%
73	Orlando fine sand, 1 to 5 percent slopes	A	80.8	9.2%
76	Astatula fine sand, 1 to 8 percent slopes	A	187.1	21.2%
77	Candler fine sand, 5 to 8 percent slopes	A	66.3	7.5%
<b>Totals for Area of Interest</b>			<b>880.4</b>	<b>100.0%</b>

## Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

## Rating Options

*Aggregation Method:* Dominant Condition

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Higher

---

---

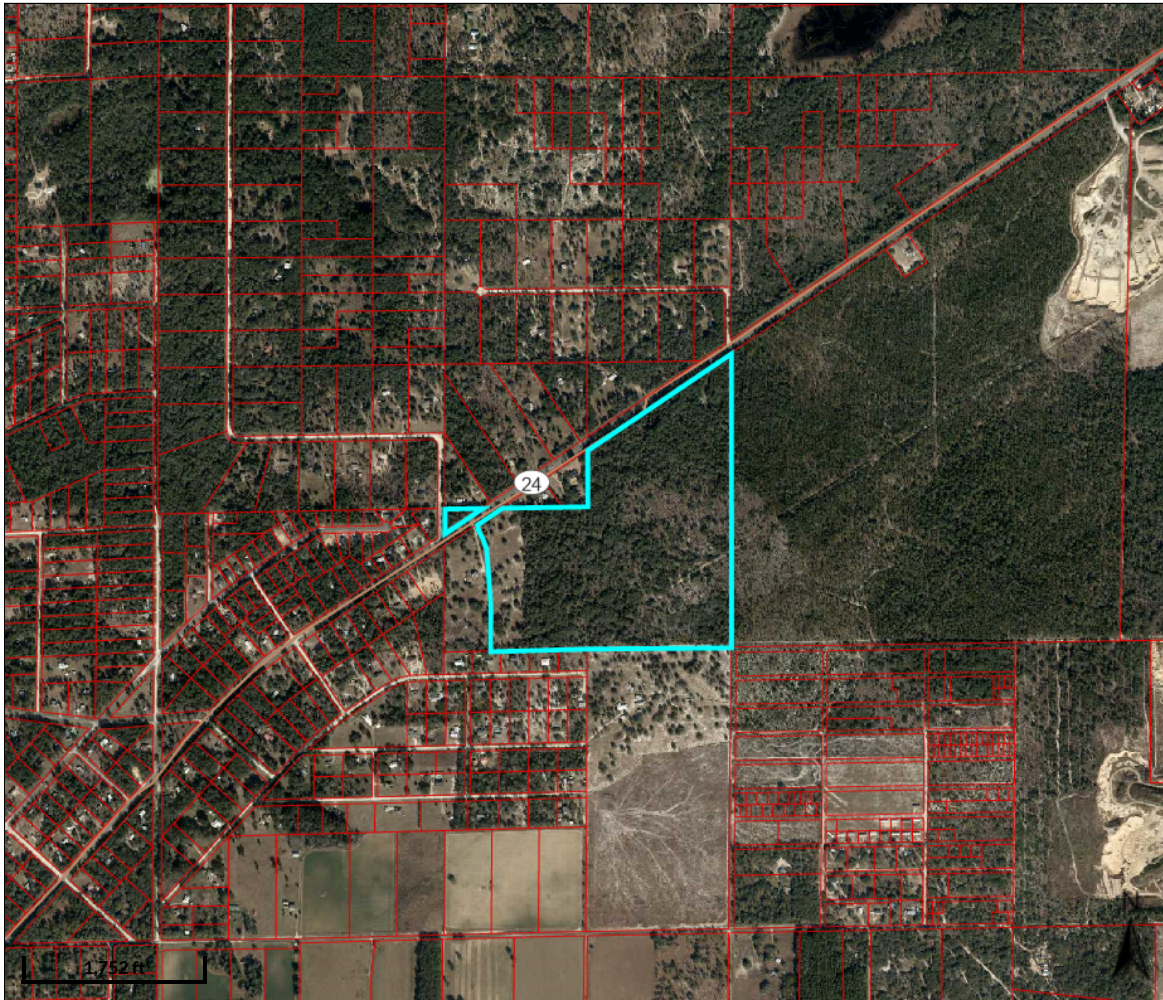
## PROPERTY OWNERSHIP

---

---



# Levy County, FL



## Overview



## Legend

-  Parcels
-  Roads
-  City Labels

<b>Parcel ID</b>	0322100200	<b>Physical Address</b>	11986 NE STATE ROAD 24 UNIT	<b>Building Value</b>	\$0	<b>Last 2 Sales</b>			
<b>Property Use</b>	6000 - PASTURE	<b>Address</b>	TOWER	<b>Extra Feature Value</b>	\$0	<b>Date</b>	<b>Price</b>	<b>Reason</b>	<b>Qual</b>
	LAND 1		ARCHER			n/a	0	n/a	n/a
<b>Taxing District</b>	SW FLORIDA WT MG	<b>Mailing Address</b>	JOHNS MILDRED M	<b>Market Land Value</b>	\$698,360	n/a	0	n/a	n/a
<b>Acres</b>	99.0		2795 SEMINOLE VILLAGE DR						
			MIDDLEBURG FL 32068-5825	<b>Ag Land Value</b>	\$74,100				
				<b>Just Value</b>	\$698,360				
				<b>Assessed Value</b>	\$74,100				
				<b>Taxable Value</b>	\$74,100				

Date created: 3/4/2024

Last Data Uploaded: 3/1/2024 7:47:18 PM

Developed by  **Schneider**  
GEOSPATIAL

---

---

# SURVEY

---

---





---

---

# GEOTECHNICAL REPORT

---

---



ENGINEERING CONSULTANTS IN GEOTECHNICAL • ENVIRONMENTAL • CONSTRUCTION MATERIALS TESTING

May 16, 2024  
Project No. 23-264.29.1

Zeb Cheshire  
Anderson Columbia Company, Inc.  
P.O. Box 1829  
Lake City, Florida 32056

Reference: Proposed Borrow Pit, Parcel No. 0322100200, NE State Road 24, Archer, Florida  
**Preliminary Geotechnical Site Evaluation**

Dear Mr. Cheshire:

Geo-Technologies, Inc. (Geo-Tech) completed a preliminary geotechnical evaluation of the project site as requested by you. Services were conducted in accordance with portions of Geo-Tech Proposal No. 13032 Revision B dated February 15, 2023.

Our findings and preliminary evaluations are presented in the following report. Generally accepted soils and foundation engineering practices were employed in the preparation of this report.

Geo-Tech appreciates the opportunity to provide our services for this project. Should you have any questions regarding the contents of this report or if we may be of further assistance, please do not hesitate to contact the undersigned.

Sincerely,

  
Grady N. Polk, E.I.  
Staff Engineer  
GNP/CAH



### **Purposes**

Purposes of this preliminary evaluation were to characterize subsurface soils conditions at the site to provide our findings.

### **Site Description**

The site is located at Parcel No. 0322100200 on the south side of NE State Road 24 in Archer, Florida. The site was covered with native trees and grasses at the time of drilling.

### **Field Exploration Program**

Field exploration services for this geotechnical site evaluation consisted of the following:

- Thirteen (13) direct push borings to depths of approximately thirty-five (35) feet below existing site grade in accessible areas of the site (ASTM D6282 [disc.]). Direct push borings were performed on April 30, 2023.
- Four (4) laboratory vertical permeability tests on soil samples retrieved from the proposed drainage retention areas soil borings. Laboratory permeability testing was performed on May 5, 2023.

Boring locations were provided by Kimley-Horn on their Soil Boring Location Map dated March 2023.

### **Sampling & Testing Descriptions**

#### **Direct Push Boring**

Direct push borings were performed in accordance with discontinued ASTM D6282. This direct push sampling method consists of advancing a sampling device into subsurface soils by applying static pressure, impacts, vibration, or any combination thereof, to the sampler extensions until the sampler has been advanced to the desired depth. The sampler is recovered from the borehole and removed from the sampler. Sampling can be continuous or incremental for specific sampling.

Soil samples recovered during the performance of our direct push borings were transported to our laboratory for further analysis.

#### **Gradation (-200) Testing**

Gradation (-200) testing is used to determine the percentage of fine material in a soil sample by washing over a seventy-five (75)  $\mu\text{m}$  (No. 200) sieve. Clay and other particles dispersed by washing, as well as water-soluble materials, are removed from the soil sample during testing. The loss in mass resulting from washing is calculated as mass percent of the original sample. This value is reported as the percentage of material finer than a seventy-five (75)  $\mu\text{m}$  (No. 200) sieve.

### **Findings**

General subsurface conditions found in borings are graphically presented on the soil profiles in Appendix I. Horizontal lines depicted on the soil profiles designate interfaces between differing materials and represent approximate boundaries.

Soils found in borings SB-01, SB-02, SB-03 and SB-06 thru SB-13 generally consisted of a surficial layer of fine sand ranging from approximately eleven and one-half (11 ½) to twenty-four (24) feet thick underlain by clayey sand to the depths drilled.

Soils found in boring SB-04 generally consisted of a surficial layer of fine sand approximately thirteen (13) feet thick underlain by clayey sand, slightly sandy clay and limestone to the depth drilled.

Soils found in boring SB-05 generally consisted of a surficial layer of fine sand approximately fourteen (14) feet thick underlain by clayey sand and slightly sandy clay to the depth drilled.

Groundwater was not found in our borings at the time of drilling.

#### **Seasonal High Water Table Levels**

Estimated seasonal high water table levels were found in our borings at depths ranging from approximately eleven and one-half (11 ½) to thirty-two and one-half (32 ½) feet below existing site grade. Estimated seasonal high water table levels are indicated on the soil profiles at the appropriate depths.

#### **Confining Layers**

Confining layers were not found in borings SB-01, SB-02, SB-03 and SB-06 thru SB-13 within the depths drilled. Confining layers were found in borings SB-04 and SB-05 at depths ranging from approximately nineteen (19) to twenty-eight (28) feet below existing site grade. Confining layers are indicated on the soil profiles at the appropriate depths.

#### **Permeability**

Laboratory vertical permeability tests were performed on soil samples retrieved from soil borings SB-01, SB-02, SB-06 and SB-10 performed at depths of approximately four (4) feet below existing site grade.

Resulting coefficients of vertical permeability are noted on the soil profiles presented in Appendix I and in Table 1 below.

**Table 1 Permeability Testing Results**

Boring No.	Depth of Test (feet)	Kv Rate (feet/day)
SB-01	4.0	32.13
SB-02	4.0	43.34
SB-06	4.0	21.72
SB-10	4.0	33.42

Measured permeability rates should not be used for design purposes without an appropriate safety factor. Actual exfiltration rates will depend on many factors such as groundwater mounding, siltation, construction technique and the amount of soil compaction.

#### **Gradation (-200) Testing Results**

Fine sand and clayey sand soils found in the soil borings performed yielded passing fines ranging from one and one-tenth (1.1) to thirty-seven (37) percent on the samples tested. We refer you to the soil profiles presented in Appendix I for the various soils found.

#### **Preliminary Evaluations**

Surficial fine sand soils found in our borings appear to be suitable material for pavement construction and conventional foundation systems.

Clayey sand soils found in our borings are typically not used as structural fill material due to the inherent moisture retention and the natural weight of the material which makes compaction requirements difficult to achieve. However, clayey soils can be utilized for non-structural grading as desired.

#### **Closure/General Qualifications**

The scope of this report is limited to this specific project. Preliminary evaluations submitted in this report are based on our findings from the soil borings, gradation testing and laboratory permeability testing performed. Soil, limestone and groundwater conditions may vary between boring locations. These variations were not taken into consideration for this report.

# **APPENDIX I**

## **SOIL PROFILES**



## Log of Borehole: SB-01

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL

Project No: 23-264.29.1

Boring Location: (SEE BORING LOCATION MAP)

Engineer: NJH/CAH

Client: ANDERSON COLUMBIA COMPANY, INC.

Enclosure: BORING MAP

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue

Ocala, Florida

352.694.7711

WWW.GEOTECHFL.COM

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b>			
2		BROWN FINE SAND (SP)			
3					
4					
5					
6					
7					
8					
9					
10					
11		% PASS -200 AT APPROX. 10.0 FEET = 2.2			
12					
13					
14			14.5		
15		<b>CLAYEY SAND</b>			
16		YELLOWISH BROWN AND GREY CLAYEY SAND (SC)			
17					
18		% PASS -200 AT APPROX. 16.0 FEET = 17			
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35			35.0		
36		End of Borehole			
37					

LABORATORY VERTICAL PERMEABILITY RATE  
AT APPROX. 4.0 FEET = 32.13 FEET/DAY

ESHWTL AT APPROX. 14.5 FEET

CONFINING LAYER GREATER THAN DEPTH  
DRILLED

Ground Water Depth: NOT FOUND

Drill Date: APRIL 30, 2023

Drilled By: RD/MC

Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Soil Profile : 1 OF 13



## Log of Borehole: SB-02

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue

Ocala, Florida

352.694.7711

WWW.GEOTECHFL.COM

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL

Project No: 23-264.29.1

Boring Location: (SEE BORING LOCATION MAP)

Engineer: NJH/CAH

Client: ANDERSON COLUMBIA COMPANY, INC.

Enclosure: BORING MAP

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b>			
2		BROWN FINE SAND (SP)			
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22			22.5		
23		<b>CLAYEY SAND</b>			
24		YELLOWISH BROWN CLAYEY SAND (SC)			
25					
26					
27					
28					
29			29.0		
30		<b>CLAYEY SAND</b>			
31		YELLOWISH BROWN AND GREY CLAYEY SAND (SC)			
32					
33					
34					
35			35.0		
36		End of Borehole			
37					

LABORATORY VERTICAL PERMEABILITY RATE  
AT APPROX. 4.0 FEET = 43.34 FEET/DAY

ESHWTL AT APPROX. 29.0 FEET

CONFINING LAYER GREATER THAN DEPTH  
DRILLED

Ground Water Depth: NOT FOUND

Drill Date: APRIL 30, 2023

Drilled By: RD/MC

Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Soil Profile : 2 OF 13

## Log of Borehole: SB-03

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue

Ocala, Florida

352.694.7711

WWW.GEOTECHFL.COM

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL

Project No: 23-264.29.1

Boring Location: (SEE BORING LOCATION MAP)

Engineer: NJH/CAH

Client: ANDERSON COLUMBIA COMPANY, INC.

Enclosure: BORING MAP

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b>			
2		BROWN FINE SAND (SP)			
3					
4					
5					
6					
7					
8				1	
9					
10					
11		% PASS -200 AT APPROX. 10.0 FEET = 3.9			
12					
13					
14					
15			15.0		
16		<b>CLAYEY SAND</b>			
17		YELLOWISH BROWN CLAYEY SAND (SC)	17.0	2	
18					ESHWTL AT APPROX. 17.0 FEET
19		<b>CLAYEY SAND</b>			
20		YELLOWISH BROWN AND GREY CLAYEY SAND (SC)			
21					
22					
23					
24					
25					
26				3	
27					
28					
29					
30					
31					
32					
33					
34					
35			35.0		
36		End of Borehole			CONFINING LAYER GREATER THAN DEPTH DRILLED
37					

Ground Water Depth: NOT FOUND

Drill Date: APRIL 30, 2023

Drilled By: RD/MC

Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Soil Profile : 3 OF 13

## Log of Borehole: SB-04

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711

WWW.GEOTECHFL.COM

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL

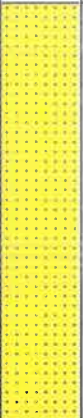



Project No: 23-264.29.1

Boring Location: (SEE BORING LOCATION MAP)

Engineer: NJH/CAH

Client: ANDERSON COLUMBIA COMPANY, INC.

Enclosure: BORING MAP

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b> BROWN FINE SAND (SP)			
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13			13.0	1	ESHWTL AT APPROX. 13.0 FEET
14		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)			
15					
16					
17					
18					
19			19.0	2	CONFINING LAYER AT APPROX. 19.0 FEET
20		<b>SLIGHTLY SANDY CLAY</b> GREY AND YELLOWISH BROWN SLIGHTLY SANDY CLAY (CH)			
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33			33.5	3	
34		<b>LIMESTONE</b> LIGHT BROWN LIMESTONE	35.0	4	
35					
36		End of Borehole			
37					

Ground Water Depth: NOT FOUND

Drill Date: APRIL 30, 2023

Drilled By: RD/MC

Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Soil Profile : 4 OF 13



## Log of Borehole: SB-05

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL

Project No: 23-264.29.1

Boring Location: (SEE BORING LOCATION MAP)

Engineer: NJH/CAH

Client: ANDERSON COLUMBIA COMPANY, INC.

Enclosure: BORING MAP

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue

Ocala, Florida

352.694.7711

WWW.GEOTECHFL.COM

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b>			
2		BROWN FINE SAND (SP)			
3					
4					
5					
6					
7					
8				1	
9					
10					
11		% PASS -200 AT APPROX. 10.0 FEET = 2			
12					
13			14.0		
14					ESHWTL AT APPROX. 14.0 FEET
15		<b>CLAYEY SAND</b>			
16		YELLOWISH BROWN AND GREY CLAYEY SAND (SC)			
17					
18					
19					
20					
21		% PASS -200 AT APPROX. 20.0 FEET = 37			
22				2	
23					
24					
25					
26					
27			28.0		
28					CONFINING LAYER AT APPROX. 28.0 FEET
29		<b>SLIGHTLY SANDY CLAY</b>			
30		GREY AND YELLOWISH BROWN SLIGHTLY SANDY CLAY (CH)			
31					
32				3	
33					
34					
35			35.0		
36		End of Borehole			
37					

Ground Water Depth: NOT FOUND

Drill Date: APRIL 30, 2023

Drilled By: RD/MC

Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Soil Profile : 5 OF 13

## Log of Borehole: SB-06

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL

Project No: 23-264.29.1

Boring Location: (SEE BORING LOCATION MAP)

Engineer: NJH/CAH

Client: ANDERSON COLUMBIA COMPANY, INC.

Enclosure: BORING MAP

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711

WWW.GEOTECHFL.COM

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b>			
2		BROWN FINE SAND (SP)			
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14			14.0		
15		<b>CLAYEY SAND</b>	15.0	2	
16		YELLOWISH BROWN CLAYEY SAND (SC)			
17		<b>CLAYEY SAND</b>			
18		YELLOWISH BROWN AND GREY CLAYEY SAND (SC)			
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35			35.0		
36		End of Borehole			
37					

LABORATORY VERTICAL PERMEABILITY RATE  
AT APPROX. 4.0 FEET = 21.72 FEET/DAY

ESHWTL AT APPROX. 15.0 FEET

CONFINING LAYER GREATER THAN DEPTH  
DRILLED

Ground Water Depth: NOT FOUND

Drill Date: APRIL 30, 2023

Drilled By: RD/MC

Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Soil Profile : 6 OF 13

## Log of Borehole: SB-07

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue

Ocala, Florida

352.694.7711

WWW.GEOTECHFL.COM

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL

Project No: 23-264.29.1

Boring Location: (SEE BORING LOCATION MAP)

Engineer: NJH/CAH

Client: ANDERSON COLUMBIA COMPANY, INC.

Enclosure: BORING MAP

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b>			
2		BROWN FINE SAND (SP)			
3					
4					
5					
6				1	
7					
8					
9					
10					
11			11.5		ESHWTL AT APPROX. 11.5 FEET
12		<b>CLAYEY SAND</b>			
13		YELLOWISH BROWN AND GREY CLAYEY			
14		SAND (SC)			
15					
16					
17					
18					
19					
20					
21					
22					
23				2	
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35			35.0		CONFINING LAYER GREATER THAN DEPTH
36		End of Borehole			DRILLED
37					

Ground Water Depth: NOT FOUND

Drill Date: APRIL 30, 2023

Drilled By: RD/MC

Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Soil Profile : 7 OF 13



## Log of Borehole: SB-08

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL

Project No: 23-264.29.1

Boring Location: (SEE BORING LOCATION MAP)

Engineer: NJH/CAH

Client: ANDERSON COLUMBIA COMPANY, INC.

Enclosure: BORING MAP

# GEO-TECH, INC.

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue

Ocala, Florida

352.694.7711

WWW.GEOTECHFL.COM

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b>			
2		BROWN FINE SAND (SP)			
3					
4					
5					
6					
7					
8					
9					
10				1	
11					
12					
13					
14					
15					
16					
17					
18					
19			19.0		
20		<b>CLAYEY SAND</b>			
21		YELLOWISH BROWN CLAYEY SAND (SC)		2	
22					
23			23.0		ESHWTL AT APPROX. 23.0 FEET
24		<b>CLAYEY SAND</b>			
25		YELLOWISH BROWN AND GREY CLAYEY SAND (SC)			
26					
27					
28					
29				3	
30					
31					
32					
33					
34					
35			35.0		CONFINING LAYER GREATER THAN DEPTH DRILLED
36		End of Borehole			
37					

Ground Water Depth: NOT FOUND

Drill Date: APRIL 30, 2023

Drilled By: RD/MC

Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Soil Profile : 8 OF 13

## Log of Borehole: SB-09

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL

Project No: 23-264.29.1

Boring Location: (SEE BORING LOCATION MAP)

Engineer: NJH/CAH

Client: ANDERSON COLUMBIA COMPANY, INC.

Enclosure: BORING MAP

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue

Ocala, Florida

352.694.7711

WWW.GEOTECHFL.COM

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b>			
2		BROWN FINE SAND (SP)			
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24			24.0		
25		<b>CLAYEY SAND</b>			
26		YELLOWISH BROWN AND GREY CLAYEY SAND (SC)			
27					
28		% PASS -200 AT APPROX. 25.0 FEET = 21			
29					
30					
31					
32					
33					
34					
35			35.0		
36		End of Borehole			
37					

ESHWTL AT APPROX. 24.0 FEET

CONFINING LAYER GREATER THAN DEPTH DRILLED

Ground Water Depth: NOT FOUND

Drill Date: APRIL 30, 2023

Drilled By: RD/MC

Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Soil Profile : 9 OF 13

## Log of Borehole: SB-10

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue

Ocala, Florida

352.694.7711

WWW.GEOTECHFL.COM

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL

Project No: 23-264.29.1

Boring Location: (SEE BORING LOCATION MAP)

Engineer: NJH/CAH

Client: ANDERSON COLUMBIA COMPANY, INC.

Enclosure: BORING MAP

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b>			
2		BROWN FINE SAND (SP)			
3					
4					
5					
6					
7					
8					
9					
10					
11		% PASS -200 AT APPROX. 10.0 FEET = 1.1			
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22			22.5		
23		<b>CLAYEY SAND</b>			
24		YELLOWISH BROWN CLAYEY SAND (SC)	24.5	2	
25		<b>CLAYEY SAND</b>			
26		YELLOWISH BROWN AND GREY CLAYEY SAND (SC)			
27					
28		% PASS -200 AT APPROX. 25.0 FEET = 21			
29					
30					
31					
32					
33					
34					
35			35.0		
36		End of Borehole			
37					

LABORATORY VERTICAL PERMEABILITY RATE  
AT APPROX. 4.0 FEET = 33.42 FEET/DAY

ESHWTL AT APPROX. 24.5 FEET

CONFINING LAYER GREATER THAN DEPTH  
DRILLED

Ground Water Depth: NOT FOUND

Drill Date: APRIL 30, 2023

Drilled By: RD/MC

Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Soil Profile : 10 OF 13



## Log of Borehole: SB-11

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue

Ocala, Florida

352.694.7711

WWW.GEOTECHFL.COM

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL

Project No: 23-264.29.1

Boring Location: (SEE BORING LOCATION MAP)

Engineer: NJH/CAH

Client: ANDERSON COLUMBIA COMPANY, INC.

Enclosure: BORING MAP

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b>			
2		BROWN FINE SAND (SP)			
3					
4					
5					
6					
7					
8					
9					
10				1	
11					
12					
13					
14					
15					
16					
17					
18					
19			19.0		
20		<b>CLAYEY SAND</b>			
21		YELLOWISH BROWN CLAYEY SAND (SC)			
22					
23					
24					
25					
26				2	
27					
28					
29					
30					
31					
32					
33			32.5		ESHWTL AT APPROX. 32.5 FEET
34		<b>CLAYEY SAND</b>			
35		YELLOWISH BROWN AND GREY CLAYEY SAND (SC)		3	
36			35.0		CONFINING LAYER GREATER THAN DEPTH DRILLED
37		End of Borehole			

Ground Water Depth: NOT FOUND

Drill Date: APRIL 30, 2023

Drilled By: RD/MC

Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Soil Profile : 11 OF 13

## Log of Borehole: SB-12

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL

Project No: 23-264.29.1

Boring Location: (SEE BORING LOCATION MAP)

Engineer: NJH/CAH

Client: ANDERSON COLUMBIA COMPANY, INC.

Enclosure: BORING MAP

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue

Ocala, Florida

352.694.7711

WWW.GEOTECHFL.COM

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b>			
2		BROWN FINE SAND (SP)			
3					
4					
5					
6					
7				1	
8					
9					
10		% PASS -200 AT APPROX. 10.0 FEET = 1.5			
11					
12			13.0		
13		<b>CLAYEY SAND</b>	14.0	2	
14		YELLOWISH BROWN CLAYEY SAND (SC)			ESHWTL AT APPROX. 14.0 FEET
15		<b>CLAYEY SAND</b>			
16		YELLOWISH BROWN AND GREY CLAYEY SAND (SC)			
17					
18					
19		% PASS -200 AT APPROX. 15.0 FEET = 24			
20					
21					
22					
23					
24				3	
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35			35.0		CONFINING LAYER GREATER THAN DEPTH DRILLED
36		End of Borehole			
37					

Ground Water Depth: NOT FOUND

Drill Date: APRIL 30, 2023

Drilled By: RD/MC

Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Soil Profile : 12 OF 13

## Log of Borehole: SB-13

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL

Project No: 23-264.29.1

Boring Location: (SEE BORING LOCATION MAP)

Engineer: NJH/CAH

Client: ANDERSON COLUMBIA COMPANY, INC.

Enclosure: BORING MAP

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue

Ocala, Florida

352.694.7711

WWW.GEOTECHFL.COM

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b>			
2		BROWN FINE SAND (SP)			
3					
4					
5					
6					
7					
8					
9				1	
10					
11		% PASS -200 AT APPROX. 10.0 FEET = 1.1			
12					
13					
14					
15					
16					
17			17.5		
18		<b>CLAYEY SAND</b>	19.0	2	
19		YELLOWISH BROWN CLAYEY SAND (SC)			ESHWTL AT APPROX. 19.0 FEET
20		<b>CLAYEY SAND</b>			
21		YELLOWISH BROWN AND GREY CLAYEY SAND (SC)			
22					
23		% PASS -200 AT APPROX. 20.0 FEET = 18			
24					
25					
26					
27				3	
28					
29					
30					
31					
32					
33					
34					
35			35.0		CONFINING LAYER GREATER THAN DEPTH DRILLED
36		End of Borehole			
37					

Ground Water Depth: NOT FOUND

Drill Date: APRIL 30, 2023

Drilled By: RD/MC

Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Soil Profile : 13 OF 13



**APPENDIX II**  
**BORING LOCATION MAP**



NE STATE ROAD 24

80-08

88

SB-07

11-07

SB-06

0

JB-03

• C



•

SB-13

3

SB-12

2

SB-11

—

SB-10

0

SB-09

5

SB-03

5

SB-02

•

SB-01

378.0'

1

376.0°

1

288.0'

1

0322100200

3400°

1843

⊕ = APPROXIMATE DIRECT PUSH BORING LOCATION  
NE 100TH PL

NE TOOTH PL

PROPOSED BORROW PIT  
PARCEL NO. 0322100200, STATE ROAD 24  
ARCHER, FLORIDA

BORING LOCATION MAP

# GEO-TECH, INC.

■ GEOTECHNICAL ■ ENVIRONMENTAL  
■ CONSTRUCTION MATERIALS TESTING ■ GEOPHYSICAL EXPLORATION  
1016 SE 3rd AVENUE, OCALA, FLORIDA 34471 ~ (352) 694-7711

PROJECT NO.

24-264.29.1

SCALE: N.T.S.

DATE: 5-16-24

FIGURE:  
1



TRAFFIC STUDY

# LEVY COUNTY BORROW PIT

LEVY COUNTY, FL

*Prepared for:*

**ANDERSON COLUMBIA CO. INC.**

*Prepared by:*

**KIMLEY-HORN AND ASSOCIATES, INC.**

APRIL 2023

REVISED JUNE 2024

**Kimley»Horn**



TRAFFIC STUDY

# LEVY COUNTY BORROW PIT

LEVY COUNTY, FL

***Prepared for:***

**ANDERSON COLUMBIA CO. INC.**

THIS IS TO CERTIFY THAT THE ENCLOSED  
CALCULATIONS WERE PERFORMED BY ME OR  
UNDER MY DIRECT SUPERVISION.

***Prepared by:***

**KIMLEY-HORN AND ASSOCIATES, INC.**

242202000  
June 2024  
© 2024 Kimley-Horn and Associates, Inc.  
1700 SE 17th Street, Suite 200,  
Ocala, FL 34471

---

Amber L. Gartner, P.E.

Florida Registration #72294

Kimley-Horn Registry #35106

TABLE OF CONTENTS

Introduction..... 1

Existing Roadway and Traffic Conditions ..... 3

Project Traffic ..... 4

    Trip Generation ..... 4

    Traffic Distribution and Assignment ..... 4

Traffic Volume Projections ..... 5

Transportation Assessment ..... 7

    Segment Level of Service Analysis..... 7

    Driveway Operational Analysis ..... 9

    Turn Lane Evaluations ..... 9

    Driveway Spacing on SR 24 ..... 10

    Sight Distance Evaluation ..... 10

Summary ..... 12

LIST OF TABLES

Table 1 – Existing Roadway Level of Service..... 3

Table 2 – Estimated Trip Generation Summary..... 4

Table 3 – PM Peak Hour Roadway Segment Analysis..... 8

Table 4 – Driveway Operational Analysis ..... 9

LIST OF FIGURES

Figure 1 - Project Site Location, Trip Distribution, and Study Area ..... 2

Figure 2 – AM and PM Peak Hour Volumes ..... 6

Figure 3 – Intersection Spacing Along SR 24 ..... 11

APPENDIX

- Appendix A: Traffic Count Data
- Appendix B: Borrow Pit Trip Generation
- Appendix C: Historical Growth Sheets
- Appendix D: Intersection Volume Development Sheets
- Appendix E: Synchro Output
- Appendix F: Turn Lane Analysis

## INTRODUCTION

The purpose of this traffic impact analysis (TIA) is to assess the anticipated traffic impacts on the surrounding transportation network from a proposed borrow pit. The project site is located south of SR 24, east of 115<sup>th</sup> Avenue, and west of NE 120<sup>th</sup> Avenue in Levy County, Florida. The borrow pit is expected to begin operations in 2024; however, for the purposes of this TIA, 2024 was assumed as the year that the borrow pit will be at full production. Access to the borrow pit site will be provided via a new driveway connection to SR 24.

Site access is proposed via SR 24, which is a Florida Department of Transportation (FDOT) maintained rural minor arterial. An evaluation of the proposed access connection to SR 24 including traffic operations, sight distance, and spacing to existing connections is provided. SR 24 is a minor arterial roadway designed to accommodate truck traffic. The Levy County Land Development Code requires a structural analysis of County roadways utilized by the proposed haul route. The proposed haul route includes FDOT maintained arterial roadways and is not anticipated to utilize lower classified County roads; therefore, a pavement structural analysis was not performed.

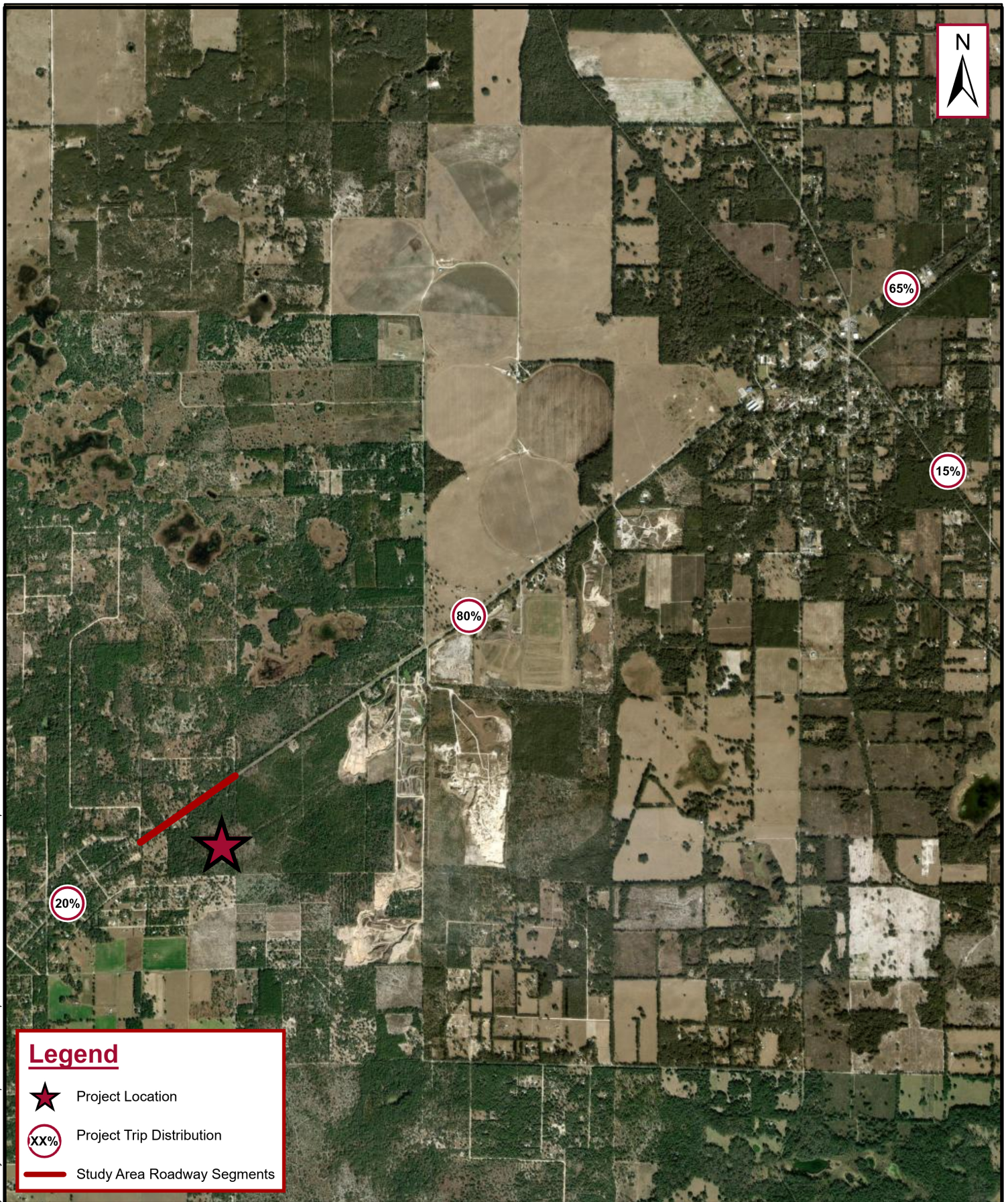
Per the Levy County Land Development Code, a traffic study must be performed to assess the potential impacts to the existing roadway network and ensure public safety is not negatively affected by borrow pit traffic. Project traffic impact is de minimis, with a less than 1.0% project impact to the adopted service volume of the adjacent roadway segment.

In addition to having de minimis impact on the adjacent roadway segment, per Florida Administrative Code (FAC) 14-96 (004.1 [Connection Categories and Fees], 005.5 [Traffic Study Requirements]) the expected 50 daily project trips (< 600 daily trips) is considered a “Category B” permit application. FAC 14-96 specifies that “Category C”, which applies to developments with higher trip generation potential than the subject site (601 - 1,200 daily trips), can potentially be exempt from various traffic study requirements listed. Given the limited number of daily project trips and Category B permit application, such a development of limited trip generation potential would generally be considered to only require documentation of trip generation potential for an FDOT permit application.


The project location, trip distribution and study area are depicted in **Figure 1**.





K:\OCA\_GIS\242202000-Levy County Borrow Pit\Maps\TPTO\TPTO.aprx - 6/4/2024 9:56 AM - Alexander Campano



**Legend**

 Project Location

 Project Trip Distribution

 Study Area Roadway Segments

**Kimley»Horn**

© 2023 Kimley-Horn and Associates, Inc.  
1700 SE 17th Street, Suite 200, Ocala, FL 34471  
Phone: 352 438 3000  
www.kimley-horn.com Registry No 35106

PROJECT LOCATION, STUDY AREA AND TRIP DISTRIBUTION

**LEVY COUNTY BORROW PIT  
LEVY COUNTY, FLORIDA**

Project No 242202000

Not to Scale

June 2024

Figure 1



## EXISTING ROADWAY AND TRAFFIC CONDITIONS

The adjacent roadway segment of SR 24 was evaluated for existing traffic conditions. SR 24 fronting the site is a two-lane undivided rural minor arterial, with a C2 context classification, and a 55-mph posted speed limit. The road is categorized as an Access Class 4 roadway per data available from FDOT.

FDOT District 2 publishes a Level of Service (LOS) report for state owned and maintained roadways. Roadway attributes for the adjacent segment of SR 24 were obtained from the FDOT District 2 LOS Report, an excerpt of which is included in the **Appendix**.

A 72-hour classification tube count was collected to determine the amount of traffic and proportion of heavy vehicles on SR 24 adjacent to the proposed driveway. The traffic data was collected from Tuesday February 28, 2023, through March 2, 2023. The existing mix of traffic on SR 24 is approximately 92% passenger / Single-Unit vehicles, 1% buses, 5% 2-axle 6-tire single-unit heavy vehicles, and 1% semi-tractor trailers. The tube count data is provided in the **Appendix**.

The observed count data was adjusted to peak season volumes using the 2023 peak season conversion factors (PSCF, 1.00) published via the FDOT Florida Traffic Online (FTO) website (provided in the **Appendix**). The existing PM peak hour roadway segment volumes were calculated using an average of the data from the 72-hour tube count.

The existing traffic volumes were evaluated to determine the LOS and volume to maximum service volume ratios (V/MSV) on the adjacent segment of SR 24. Per the Levy County Land Development Code (Chapter 50, Article VII, Section 50-302 F) the LOS standard for all roads within Levy County is LOS C. The FDOT LOS Report also shows a LOS C standard. The roadway segment service volumes were obtained from the FDOT LOS Report, which were derived using the 2023 FDOT Quality/Level of Service Handbook. The adjacent roadway segment operates with LOS C, which is within the LOS C standard. A summary of the existing roadway conditions is provided in **Table 1** below.

**Table 1 – Existing Roadway Level of Service**

Roadway Segment  From      To		Roadway Attributes <sup>1</sup>						PM Peak Hour Traffic Conditions				
								Existing (2023) <sup>2</sup>				
		Roadway Classification	Facility Type	Area Type	Adopted LOS	Number of Lanes	Pk Hr Two-Way Service Volume	EB	WB	Two-Way Volume	V/MSV	Two-Way LOS
<b>SR 24</b>												
115th Ave      NE 120th Ave		Minor Arterial	UFH	Rural	C	2	780	232	456	688	0.88	C

C:\Users\alexander.campano\Desktop\misc2.xlsx\Hrs

Notes:

1) The roadway attributes were derived from 2023 FDOT Quality/LOS Handbook, Levy County Land Development Code, FDOT Functional Classification Map for Levy County, and FDOT LOS Report.

2) The 2023 traffic volumes were derived from the 72 hour tube counts collected on 02/28/2023 - 03/02/2023.

3) LOS is based on the 2023 FDOT Quality/Level of Service Handbook and FDOT LOS Report.

## PROJECT TRAFFIC

### TRIP GENERATION

For borrow pits, trip generation estimates are typically based on the number of employees and rate of material extraction. The *Institute of Transportation Engineers (ITE) Trip Generation Manual, 11<sup>th</sup> Edition* does not provide trip generation data for this type of use. For this project, data obtained from similar mining facilities, as well as information provided by the owner of the facility, were used to estimate the trip generation potential.

The proposed borrow pit is estimated to have an initial extraction rate of 20,000 cubic yards (CY) of material per year. The borrow pit extraction rate is expected to increase to 100,000 CY at full production. For the purpose of this analysis, calculations were performed assuming the full production extraction rate of 100,000 CY annually.

There will be a total of 260 working days per year at full production. The hauling trucks (16-yard triaxle dump trucks) have an approximately 15.50-ton capacity, resulting in an estimated 25 daily truck trips per day entering and exiting the facility at maximum operating capacity for a total of 50 daily truck trips. Additionally, an estimated 4 trips per day will be associated with an estimated 2 on site facility employees. In total, the proposed mine site is expected to generate 54 trips per day at full production.

It is expected that 2 employee vehicles will enter during the AM peak hour, and 2 employee vehicles will exit during the PM peak hour. The hourly distribution of truck traffic entering and exiting the site was derived from data at other existing borrow site operations. The daily truck trips were converted to hourly truck trips using an hourly distribution of traffic from other existing site operations.

The maximum number of truck trips expected to occur is 7 during the AM peak hour and 4 during the PM peak hour. **Table 2** shows a summary of the anticipated site trip generation characteristics.

**Table 2 – Estimated Trip Generation Summary**

Land Use	Vehicle Type	Total Daily Trips	AM Peak Hour Trips			PM Peak Hour Trips		
			Total	Entering	Exiting	Total	Entering	Exiting
Borrow Pit	Trucks	50	7	3	4	4	2	2
	Cars	4	2	2	0	2	0	2

Notes:

1. The daily trip generation was based on a total of 2 on site employees and the expected excavation hauled from the site.
2. The ITE Trip Generation Manual (11th Ed) doesn't contain an ITE LUC for borrow pits, therefore the trip generation potential was derived based on existing borrow site data and input from the project owner.

The hourly trip variation and calculation of hourly truck traffic for the site is included in the **Appendix**.

### TRAFFIC DISTRIBUTION AND ASSIGNMENT

An assignment of project trips to adjacent roadway network was based on information provided by the facility owner and knowledge of the traffic patterns in the region. Trips associated with the new facility will access SR 24 via the new project driveway. Project traffic is expected to predominantly travel to and from the Gainesville and Ocala area to the east (80%) with approximately 20% of project traffic is expected to enter and exit the site from the west. **Figure 1** depicts the trip distribution as a percentage of external trip generation assigned to the adjacent roadway network.



## TRAFFIC VOLUME PROJECTIONS

The borrow pit is expected to be fully operational in year 2024. For the purpose of this TIA, year was assumed for full production of the borrow pit. Future background traffic volumes (2024, before the addition of project traffic) were calculated by applying a linear growth rate to the 2023 observed tube count volumes, after adjusting them to peak season peak hour volumes.

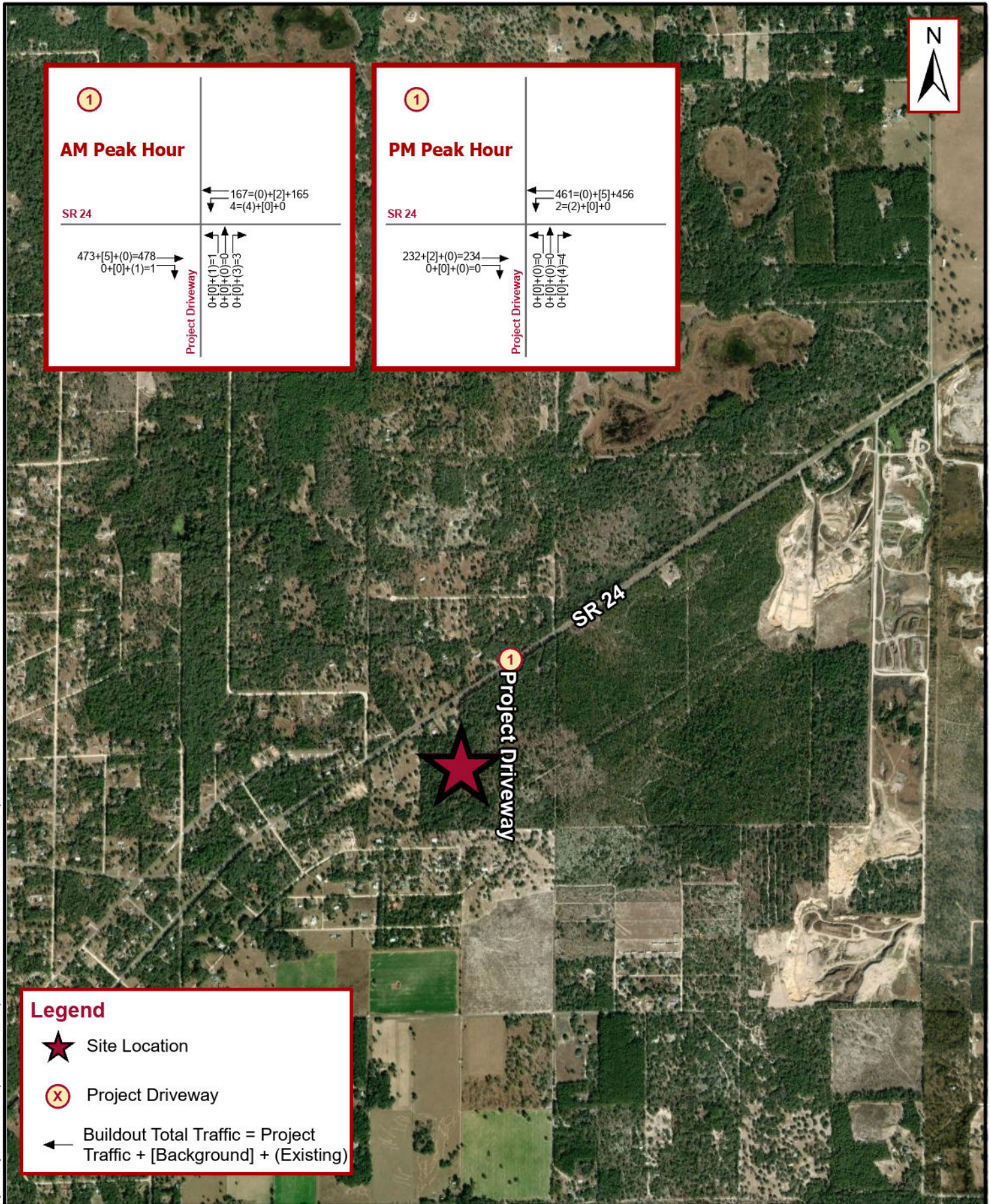
The growth rate used for future traffic volume development was determined by using historical AADT data from FDOT FTO count station 340117 on SR 24. The FDOT Trends tool was utilized to estimate the historic growth rate from the published AADT data. A review of the data shows that traffic volumes have been relatively constant for all traffic data recorded. The historic annual growth rate is less than 1.0%, therefore a conservative 1.0% growth rate was utilized. Historical growth rate calculations are provided in the **Appendix**.

A 72-hour tube count was used to determine the traffic volumes on SR 24 adjacent to the proposed driveway. An average of the three days of traffic counts for the AM peak hour (7AM) and PM peak hour (5PM) was used to determine the existing AM peak hour and PM peak hour traffic volumes. The peak hour volumes were adjusted to peak season using the most recent PSCFs published by FDOT.

An annual background growth rate of 1.0% was applied to the existing peak season traffic volumes to obtain background traffic volumes. Project traffic volumes were added to the background traffic volumes to estimate the total volumes at full production of the site in year 2024.

The observed heavy vehicles percentages and peak hour factors were utilized for the intersection analysis. Volume development sheets are attached in the **Appendix**. **Figure 2** illustrates the total traffic volumes for year 2024 assuming full operations of the site.





**Kimley»Horn**

© 2023 Kimley-Horn and Associates, Inc.  
1700 SE 17th Street, Suite 200, Ocala, FL 34471  
Phone: (352) 438-3000  
www.kimley-horn.com Registry No 35106

AM AND PM PEAK HOUR BUILDOUT VOLUMES

**LEVY COUNTY BORROW PIT  
LEVY COUNTY, FLORIDA**

Not To Scale

Project No 242202000

June 2024

Figure 2



## TRANSPORTATION ASSESSMENT

This transportation assessment assumes the full potential site operations in year 2024. The adjacent SR 24 roadway segment was evaluated for PM peak hour traffic volumes level of service.

An intersection LOS analysis was performed using Highway Capacity Manual procedures included in the Synchro 12 analysis program at the new project driveway on SR 24. The project driveway was evaluated for the AM and PM peak hour with the addition of project traffic in future year 2024.

## SEGMENT LEVEL OF SERVICE ANALYSIS

The projected traffic volumes on the adjacent roadway segment were evaluated to determine the LOS and V/MSV on the existing roadway network with the addition of site traffic. Per the Levy County Land Development Code (Chapter 50, Article VII, Section 50-302 F) roadways within Levy County have an LOS C standard. The roadway segment service volumes were derived from the FDOT District 2 LOS Report and the 2023 FDOT Quality/Level of Service Handbook.

SR 24 fronting the site is expected to operate at LOS C prior to and with the addition of traffic from the proposed site operations in year 2024. The project traffic from the site operations has a less than 1% de minimis impact on the surrounding transportation network.

**Table 3** details the roadway segment level of service evaluations for PM peak hour traffic conditions for full operation of the site in year 2024.



Table 3 – PM Peak Hour Roadway Segment Analysis

Roadway Segment  FromTo		Existing and Background Traffic Conditions				Project Traffic				Buildout Traffic Conditions					
		2023 <sup>1</sup>		Annual Growth Rate	2024 <sup>2</sup>		Trip Distribution <sup>3</sup>	NB / EB	SB / WB	Max Project Impact	Opening (2024) <sup>4</sup>				
		NB / EB	SB / WB		NB / EB	SB / WB					NB / EB	SB / WB	Two-Way Volumes	V/MSV	LOS
SR 24															
115th Ave Project Driveway		232	456	1.0%	235	465	20.0%	1	1	0.3%	236	466	702	0.90	C
Project Driveway NE 120th Ave		232	456	1.0%	235	465	80.0%	4	2	0.8%	239	467	706	0.91	C
K:\OCA_Civil\242202000-Levy County Borrow Pit\TPTO\calcs\0 submittal 2\xls\2024-06 - LCBP.xlsm]segLOSpm_Fut															
Notes:															
1) The 2023 traffic volumes were derived from the 72 hour tube counts collected on 02/28/2023 - 03/02/2023.															
2) Directional volumes are the summation of existing volumes plus background growth.															
3) The trip distribution was derived based on the project owner's input, understanding of the project and previous borrow pit sites, and engineering judgement.															
4) Opening Year traffic volumes are the summation of background plus project volumes.															

## DRIVEWAY OPERATIONAL ANALYSIS

A driveway operational analysis was performed for the proposed project driveway during the AM peak hour and PM peak hour traffic volumes at full production of the site. Synchro 12 software, which utilizes the methodologies of the Highway Capacity Manual, 7<sup>th</sup> Edition (HCM 7) was utilized for the driveway analysis. Intersection volume development calculations are detailed in the **Appendix**.

The project driveway is anticipated to operate at LOS B or better for all movements. The results of the operational analysis are summarized in **Table 4**.

**Table 4 – Driveway Operational Analysis**

Intersection	2024 Traffic Conditions							
	AM Peak Hour				PM Peak Hour			
	LOS	Delay (s)	V/C	95th %tile Queue Length (ft)	LOS	Delay (s)	V/C	95th %tile Queue Length (ft)
<b>Unsignalized <sup>1</sup></b>								
Project Driveway at SR 24, WBL	B	10.2	0.01	0	A	9.0	0.00	0
Project Driveway at SR 24, NB Approach	B	14.9	0.01	0	B	11.1	0.01	0
Notes:								
1. LOS, delay, v/c, and queue length were reported for the stop controlled and interrupted flow movements only.								

K:\OCA\_Civil\242202000-Levy County Borrow Pit\PTO\calcs\10 submittal 2\xls\2024-06 - LCBP.xlsm\IntSumBo

## TURN LANE EVALUATIONS

The need for ingress turn lanes on SR 24 at the project driveway was evaluated using the FDOT Multimodal Access Management Guidebook (October 2023, Chapter 6). The need for an eastbound right and westbound left-turn lane was evaluated using the National Cooperative Highway Research Programs (NCHRP) Report 457. Details regarding the NCHRP 457 criteria are detailed within the FDOT Multimodal Access Management Guidebook Chapter 6, with illustrations provided in Figure 74 (Recommended Guidelines for Exclusive Right-Turn Lanes to Unsignalized Driveway/Intersection) and Figure 81 (Left-Turn Lane Warrants (Unsignalized Intersections) – Alternate Method).

The NCHRP Report 457 turn lane warrants are based on the speed limit of the major roadway, volumes on the major roadway, and turning volumes. The maximum hourly ingress turning volume is 4 vehicles during the AM peak hour. Based on the warrant criteria, peak hour ingress traffic volumes do not warrant an exclusive ingress eastbound right or westbound left-turn lane. The peak hour NCHRP 457 outputs are provided in the **Appendix**.

In addition to the NCHRP 457 warrants recommended via the FDOT Multimodal Access Management Guidebook for assessing turn lane needs, traffic operations were reviewed at the project driveway. The driveway operational analysis shows that the westbound left movement has a volume to capacity ratio less than 0.01 ( $v/c < 0.01$ ), a queue length of zero vehicles (0 feet) and operates at level of service B (LOS B) or better. The eastbound approach is uninterrupted and operates with a delay of zero seconds with one right turning vehicle during the AM peak hour (zero veh during the PM peak hour).

Based on the findings of this analysis, ingress turn lanes are not recommended at the project driveway.

## DRIVEWAY SPACING ON SR 24

SR 24 fronting the site has an Access Class 4 designation, which has a connection spacing standard of 660 feet per Florida Administrative Code 14-97. The proposed driveway location is approximately 1,050 feet north of an existing residential driveway to the south and 750 feet south of an existing driveway to a telecommunications tower. The proposed driveway location is at the location of an existing residential driveway located on the north side of SR 24. The proposed location meets FDOT spacing standards.

## SIGHT DISTANCE EVALUATION

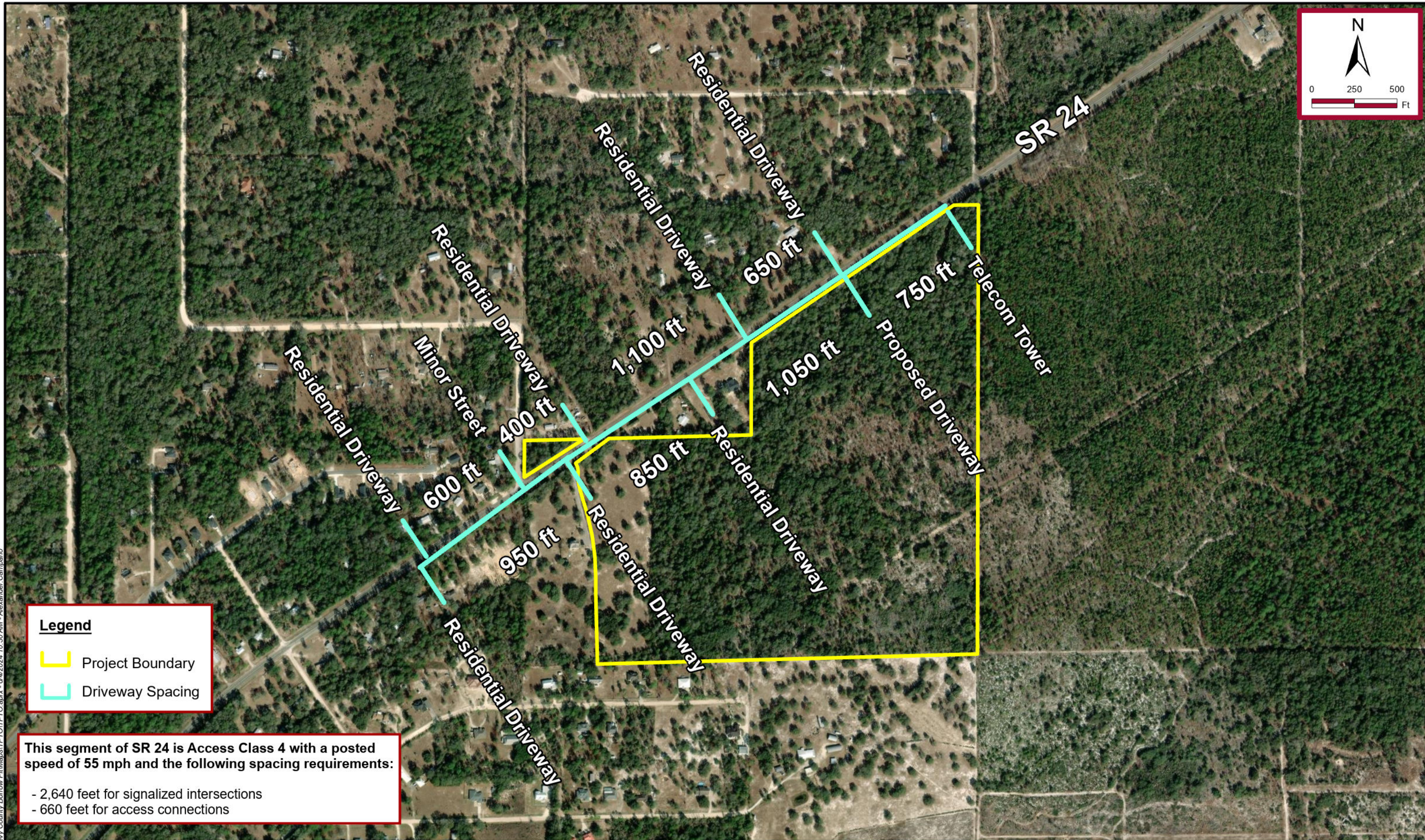
The sight distance at the proposed driveway connection to SR 24 was reviewed based on criteria within the FDOT Design Manual (FDM). FDM Exhibit 212-4 (Intersection Sight Distance, 2-Lane Undivided), using a combination vehicle as the design vehicle, was utilized to determine the required sight distance for traffic turning onto SR 24. FDM Table 212.11.1 (Sight Distance for Left Turn from Highway), using a combination vehicle as the design vehicle, was utilized to determine the sight distance required for left turning vehicles onto the proposed driveway. The sight distance was reviewed for the following cases:

- Left-turns from SR 24 into the Project Driveway – 605-foot sight distance required – **MET**
- Left-turns from Project Driveway onto SR 24 – 930-foot sight distance required - **MET**
- Right-turns from Project Driveway onto SR 24 – 930-foot sight distance required – **MET**


The proposed driveway connections meet the sight distance requirements of the FDOT Design Manual.




K:\OCA\_GIS\242202000-Levy County Borrow Pit\Maps\TPTO\TPTO.aprx - 6/4/2024 10:30 AM - Alexander Campano



**Legend**

 Project Boundary

 Driveway Spacing

This segment of SR 24 is Access Class 4 with a posted speed of 55 mph and the following spacing requirements:

- 2,640 feet for signalized intersections
- 660 feet for access connections

FIGURE 3 - INTERSECTION SPACING ALONG SR 24

**LEVY COUNTY BORROW PIT  
LEVY COUNTY, FLORIDA**

Project No. 242202000
June 2024
Scale as Noted
Figure 3



## SUMMARY

The project traffic from the borrow pit is not anticipated to significantly impact the surrounding transportation network. Per the Levy County Land Development Code a traffic study must be performed to identify the existing and background traffic, proposed traffic generation throughout the life of the mining operation, the existing and projected level of service of the roadway system, and recommendation of whether ingress turn lanes are needed at the site entrance. This analysis evaluated the adjacent roadway segment of SR 24 and proposed driveway on SR 24.

Project impact on the adjacent roadway segment is de minimis (< 1%). Additionally, given the limited number of daily trips (< 600) a Category B FDOT permit application would generally only require a trip generation statement and generally be considered exempt from the traffic study requirements listed in FAC-14-96.

The proposed driveway location meets the FDOT spacing standards, has sufficient sight distance, and is expected to operate with LOS C or better. The site is estimated to have minimal traffic entering and exiting, with a maximum of 4 vehicles per hour.

Based on the results of this traffic impact analysis, the existing roadway configuration is sufficient to support project traffic conditions at maximum operating capacity in year 2024. Exclusive turn lanes into the site are not warranted along SR 24.

The adjacent segment of SR 24 operates with LOS C during the PM peak hour under existing traffic conditions and will continue to operate with LOS C with the estimated project traffic at full production. Project traffic has a less than 1% de minimis impact to the adjacent roadway network.

## APPENDICES



## Appendix A: Traffic Count Data

2023 PEAK SEASON FACTOR CATEGORY REPORT - REPORT TYPE: ALL  
 CATEGORY: 3400 LEVY COUNTYWIDE

WEEK	DATES	SF	MOCF: 0.96 PSCF
1	01/01/2023 - 01/07/2023	1.06	1.10
2	01/08/2023 - 01/14/2023	1.05	1.09
3	01/15/2023 - 01/21/2023	1.05	1.09
4	01/22/2023 - 01/28/2023	1.03	1.07
5	01/29/2023 - 02/04/2023	1.01	1.05
6	02/05/2023 - 02/11/2023	0.99	1.03
7	02/12/2023 - 02/18/2023	0.97	1.01
* 8	02/19/2023 - 02/25/2023	0.97	1.01
* 9	02/26/2023 - 03/04/2023	0.96	1.00
*10	03/05/2023 - 03/11/2023	0.95	0.99
*11	03/12/2023 - 03/18/2023	0.94	0.98
*12	03/19/2023 - 03/25/2023	0.95	0.99
*13	03/26/2023 - 04/01/2023	0.95	0.99
*14	04/02/2023 - 04/08/2023	0.96	1.00
*15	04/09/2023 - 04/15/2023	0.97	1.01
*16	04/16/2023 - 04/22/2023	0.97	1.01
*17	04/23/2023 - 04/29/2023	0.97	1.01
*18	04/30/2023 - 05/06/2023	0.97	1.01
*19	05/07/2023 - 05/13/2023	0.97	1.01
*20	05/14/2023 - 05/20/2023	0.97	1.01
21	05/21/2023 - 05/27/2023	0.98	1.02
22	05/28/2023 - 06/03/2023	0.99	1.03
23	06/04/2023 - 06/10/2023	1.00	1.04
24	06/11/2023 - 06/17/2023	1.01	1.05
25	06/18/2023 - 06/24/2023	1.02	1.06
26	06/25/2023 - 07/01/2023	1.03	1.07
27	07/02/2023 - 07/08/2023	1.04	1.08
28	07/09/2023 - 07/15/2023	1.05	1.09
29	07/16/2023 - 07/22/2023	1.05	1.09
30	07/23/2023 - 07/29/2023	1.05	1.09
31	07/30/2023 - 08/05/2023	1.05	1.09
32	08/06/2023 - 08/12/2023	1.05	1.09
33	08/13/2023 - 08/19/2023	1.05	1.09
34	08/20/2023 - 08/26/2023	1.04	1.08
35	08/27/2023 - 09/02/2023	1.04	1.08
36	09/03/2023 - 09/09/2023	1.03	1.07
37	09/10/2023 - 09/16/2023	1.02	1.06
38	09/17/2023 - 09/23/2023	1.01	1.05
39	09/24/2023 - 09/30/2023	1.01	1.05
40	10/01/2023 - 10/07/2023	1.01	1.05
41	10/08/2023 - 10/14/2023	1.00	1.04
42	10/15/2023 - 10/21/2023	1.00	1.04
43	10/22/2023 - 10/28/2023	1.00	1.04
44	10/29/2023 - 11/04/2023	1.00	1.04
45	11/05/2023 - 11/11/2023	1.00	1.04
46	11/12/2023 - 11/18/2023	0.99	1.03
47	11/19/2023 - 11/25/2023	1.01	1.05
48	11/26/2023 - 12/02/2023	1.03	1.07
49	12/03/2023 - 12/09/2023	1.04	1.08
50	12/10/2023 - 12/16/2023	1.06	1.10
51	12/17/2023 - 12/23/2023	1.06	1.10
52	12/24/2023 - 12/30/2023	1.05	1.09
53	12/31/2023 - 12/31/2023	1.05	1.09

\* PEAK SEASON

09-MAR-2024 18:41:39

830UPD

2\_3400\_PKSEASON.TXT



SR 24 from 90th Ave to Alachua Co. Line

Attribute	Value
Segment ID:	4678
Segment Length (miles):	5.311 mi
Location:	Levy County
County:	Levy
Roadway ID:	34070000
Begin MP:	34.506
End MP:	39.818
SIS:	No
SIS Type:	Non SIS
Median Treatment:	Undivided
Directionality:	Two-Way
Posted Speed:	45-55 mph
Facility Type:	Highway
Area Type:	Rural
FDOT LOS Standard:	C
Max. Service Vol. Adj. Factor:	0.00



Data Sources: RCI; TCI; NERPM AB; GUATS; FLSWM  
 Google Street View:  
<http://maps.google.com/maps?q=&layer=c&cbll=29.489310166606,-82.5916995433591>

Projected Values	2021	2027	2030	2035	2040	2045
Number of Lanes	2	2	2	2	2	2
AADT	3,300	3,888	3,996	4,176	4,356	4,536
Peak Hour Maximum Service Volume at LOS Standard	820	820	820	820	820	820
Peak Hour Traffic Volume	314	369	380	397	414	431
Peak Hour LOS	B	B	B	B	B	B

Notes:



**VOLUME**  
SR 24 W/O NE 120 Ave

Day: Tuesday  
Date: 2/28/2023

City: Archer  
Project #: FL23\_130064\_001

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						3,994	4,076						8,070
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00	0	0	0	5	5		12:00	0	0	71	71	142							
00:15	0	0	4	7	11		12:15	0	0	54	63	117							
00:30	0	0	4	12	16		12:30	0	0	55	56	111							
00:45	0	0	0	8	8	40	12:45	0	0	51	231	119	489						
01:00	0	0	3	10	13		13:00	0	0	57	50	107							
01:15	0	0	2	3	5		13:15	0	0	58	61	119							
01:30	0	0	2	3	5		13:30	0	0	51	64	115							
01:45	0	0	2	9	5	28	13:45	0	0	48	214	107	448						
02:00	0	0	1	0	1		14:00	0	0	43	69	112							
02:15	0	0	3	1	4		14:15	0	0	52	56	108							
02:30	0	0	1	1	2		14:30	0	0	55	82	137							
02:45	0	0	3	8	10	17	14:45	0	0	51	201	134	491						
03:00	0	0	6	2	8		15:00	0	0	60	84	144							
03:15	0	0	8	0	8		15:15	0	0	47	60	107							
03:30	0	0	5	1	6		15:30	0	0	58	105	163							
03:45	0	0	6	25	9	31	15:45	0	0	57	222	161	575						
04:00	0	0	20	1	21		16:00	0	0	36	102	138							
04:15	0	0	10	6	16		16:15	0	0	45	109	154							
04:30	0	0	18	2	20		16:30	0	0	59	94	153							
04:45	0	0	13	61	18	75	16:45	0	0	52	192	167	612						
05:00	0	0	24	5	29		17:00	0	0	59	112	171							
05:15	0	0	33	3	36		17:15	0	0	59	141	200							
05:30	0	0	44	8	52		17:30	0	0	55	125	180							
05:45	0	0	56	157	67	184	17:45	0	0	53	226	157	708						
06:00	0	0	81	13	94		18:00	0	0	38	105	143							
06:15	0	0	106	17	123		18:15	0	0	55	98	153							
06:30	0	0	137	26	163		18:30	0	0	40	86	126							
06:45	0	0	133	457	154	534	18:45	0	0	31	164	85	507						
07:00	0	0	114	23	137		19:00	0	0	34	65	99							
07:15	0	0	123	40	163		19:15	0	0	31	53	84							
07:30	0	0	130	45	175		19:30	0	0	28	62	90							
07:45	0	0	100	467	154	629	19:45	0	0	17	110	79	352						
08:00	0	0	125	34	159		20:00	0	0	26	49	75							
08:15	0	0	92	48	140		20:15	0	0	15	78	93							
08:30	0	0	71	48	119		20:30	0	0	9	48	57							
08:45	0	0	65	353	103	521	20:45	0	0	13	63	41	266						
09:00	0	0	81	42	123		21:00	0	0	12	33	45							
09:15	0	0	66	29	95		21:15	0	0	8	22	30							
09:30	0	0	61	38	99		21:30	0	0	13	38	51							
09:45	0	0	61	269	96	413	21:45	0	0	7	40	26	152						
10:00	0	0	60	46	106		22:00	0	0	5	21	26							
10:15	0	0	80	39	119		22:15	0	0	14	25	39							
10:30	0	0	70	44	114		22:30	0	0	6	21	27							
10:45	0	0	58	268	102	441	22:45	0	0	5	30	18	110						
11:00	0	0	40	56	96		23:00	0	0	4	10	14							
11:15	0	0	43	39	82		23:15	0	0	2	11	13							
11:30	0	0	71	48	119		23:30	0	0	4	11	15							
11:45	0	0	54	208	96	393	23:45	0	0	1	11	12	54						
TOTALS			2290	1016	3306		TOTALS			1704	3060	4764							
SPLIT %			69.3%	30.7%	41.0%		SPLIT %			35.8%	64.2%	59.0%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						3,994	4,076						8,070
AM Peak Hour			06:30	11:45	07:15		PM Peak Hour			12:00	16:45	16:45							
AM Pk Volume			507	232	651		PM Pk Volume			231	493	718							
Pk Hr Factor			0.925	0.817	0.930		Pk Hr Factor			0.813	0.874	0.898							
7 - 9 Volume	0	0	820	330	1150		4 - 6 Volume	0	0	418	902	1320							
7 - 9 Peak Hour			07:15	07:45	07:15		4 - 6 Peak Hour			16:30	16:45	16:45							
7 - 9 Pk Volume	0	0	478	184	651		4 - 6 Pk Volume	0	0	229	493	718							
Pk Hr Factor	0.000	0.000	0.919	0.852	0.930		Pk Hr Factor	0.000	0.000	0.970	0.874	0.898							

**VOLUME**  
SR 24 W/O NE 120 Ave

Day: Wednesday  
Date: 3/1/2023

City: Archer  
Project #: FL23\_130064\_001

DAILY TOTALS						NB	SB							Total
						0	0							8,134
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00	0	0	0	5	5	12:00	0	0	56	49	105			
00:15	0	0	2	8	10	12:15	0	0	70	53	123			
00:30	0	0	2	4	6	12:30	0	0	58	59	117			
00:45	0	0	2	6 5 22	7 28	12:45	0	0	40	224 48 209	88 433			
01:00	0	0	2	4	6	13:00	0	0	47	49	96			
01:15	0	0	12	2	14	13:15	0	0	46	75	121			
01:30	0	0	3	2	5	13:30	0	0	56	68	124			
01:45	0	0	5	22 3 11	8 33	13:45	0	0	51	200 67 259	118 459			
02:00	0	0	2	3	5	14:00	0	0	48	72	120			
02:15	0	0	2	3	5	14:15	0	0	36	68	104			
02:30	0	0	2	2	4	14:30	0	0	53	83	136			
02:45	0	0	4	10 1 9	5 19	14:45	0	0	57	194 68 291	125 485			
03:00	0	0	14	5	19	15:00	0	0	74	76	150			
03:15	0	0	8	2	10	15:15	0	0	56	84	140			
03:30	0	0	15	5	20	15:30	0	0	52	82	134			
03:45	0	0	10	47 5 17	15 64	15:45	0	0	46	228 99 341	145 569			
04:00	0	0	13	1	14	16:00	0	0	51	114	165			
04:15	0	0	15	3	18	16:15	0	0	59	124	183			
04:30	0	0	15	2	17	16:30	0	0	61	115	176			
04:45	0	0	15	58 3 9	18 67	16:45	0	0	48	219 116 469	164 688			
05:00	0	0	23	4	27	17:00	0	0	58	124	182			
05:15	0	0	38	4	42	17:15	0	0	63	102	165			
05:30	0	0	39	9	48	17:30	0	0	55	109	164			
05:45	0	0	62	162 12 29	74 191	17:45	0	0	54	230 115 450	169 680			
06:00	0	0	85	18	103	18:00	0	0	38	113	151			
06:15	0	0	102	20	122	18:15	0	0	48	88	136			
06:30	0	0	132	23	155	18:30	0	0	51	93	144			
06:45	0	0	125	444 19 80	144 524	18:45	0	0	23	160 77 371	100 531			
07:00	0	0	148	25	173	19:00	0	0	30	54	84			
07:15	0	0	122	49	171	19:15	0	0	25	55	80			
07:30	0	0	120	60	180	19:30	0	0	23	53	76			
07:45	0	0	97	487 40 174	137 661	19:45	0	0	22	100 53 215	75 315			
08:00	0	0	119	49	168	20:00	0	0	12	44	56			
08:15	0	0	96	53	149	20:15	0	0	22	36	58			
08:30	0	0	86	45	131	20:30	0	0	28	44	72			
08:45	0	0	73	374 34 181	107 555	20:45	0	0	14	76 37 161	51 237			
09:00	0	0	69	34	103	21:00	0	0	13	39	52			
09:15	0	0	77	29	106	21:15	0	0	16	30	46			
09:30	0	0	84	42	126	21:30	0	0	11	27	38			
09:45	0	0	67	297 39 144	106 441	21:45	0	0	11	51 27 123	38 174			
10:00	0	0	66	33	99	22:00	0	0	8	23	31			
10:15	0	0	60	45	105	22:15	0	0	13	18	31			
10:30	0	0	59	39	98	22:30	0	0	5	19	24			
10:45	0	0	54	239 40 157	94 396	22:45	0	0	7	33 13 73	20 106			
11:00	0	0	64	42	106	23:00	0	0	3	10	13			
11:15	0	0	50	44	94	23:15	0	0	7	12	19			
11:30	0	0	46	46	92	23:30	0	0	5	14	19			
11:45	0	0	53	213 70 202	123 415	23:45	0	0	3	18 9 45	12 63			
TOTALS					2359 1035 3394	TOTALS					1733 3007 4740			
SPLIT %					69.5% 30.5% 41.7%	SPLIT %					36.6% 63.4% 58.3%			

DAILY TOTALS						NB	SB							Total
						0	0							8,134
AM Peak Hour			06:30	11:45	06:45	PM Peak Hour			14:30	16:15	16:15			
AM Pk Volume			527	231	668	PM Pk Volume			240	479	705			
Pk Hr Factor			0.890	0.825	0.928	Pk Hr Factor			0.811	0.966	0.963			
7 - 9 Volume	0	0	861	355	1216	4 - 6 Volume	0	0	449	919	1368			
7 - 9 Peak Hour			07:00	07:30	07:00	4 - 6 Peak Hour			16:30	16:15	16:15			
7 - 9 Pk Volume	0	0	487	202	661	4 - 6 Pk Volume	0	0	230	479	705			
Pk Hr Factor	0.000	0.000	0.823	0.842	0.918	Pk Hr Factor	0.000	0.000	0.913	0.966	0.963			

**VOLUME**  
SR 24 W/O NE 120 Ave

Day: Thursday  
Date: 3/2/2023

City: Archer  
Project #: FL23\_130064\_001

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						4,059	4,079						8,138
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							
00:00	0	0	0	5	5		12:00	0	0	54	38	92							
00:15	0	0	4	15	19		12:15	0	0	38	74	112							
00:30	0	0	4	9	13		12:30	0	0	51	58	109							
00:45	0	0	2	10	12	49	12:45	0	0	47	190	57	227	104	417				
01:00	0	0	1	5	6		13:00	0	0	46	53	99							
01:15	0	0	1	1	2		13:15	0	0	67	47	114							
01:30	0	0	5	4	9		13:30	0	0	58	63	121							
01:45	0	0	1	8	6	23	13:45	0	0	48	219	62	225	110	444				
02:00	0	0	2	2	4		14:00	0	0	45	67	112							
02:15	0	0	1	8	9		14:15	0	0	51	62	113							
02:30	0	0	8	5	13		14:30	0	0	47	79	126							
02:45	0	0	1	12	7	33	14:45	0	0	59	202	64	272	123	474				
03:00	0	0	5	9	14		15:00	0	0	61	77	138							
03:15	0	0	12	6	18		15:15	0	0	55	83	138							
03:30	0	0	15	2	17		15:30	0	0	57	78	135							
03:45	0	0	6	38	7	56	15:45	0	0	62	235	118	356	180	591				
04:00	0	0	12	0	12		16:00	0	0	47	112	159							
04:15	0	0	15	2	17		16:15	0	0	51	117	168							
04:30	0	0	17	6	23		16:30	0	0	65	107	172							
04:45	0	0	9	53	10	62	16:45	0	0	47	210	117	453	164	663				
05:00	0	0	30	5	35		17:00	0	0	60	111	171							
05:15	0	0	34	5	39		17:15	0	0	60	106	166							
05:30	0	0	47	12	59		17:30	0	0	63	110	173							
05:45	0	0	62	173	67	200	17:45	0	0	57	240	110	437	167	677				
06:00	0	0	79	16	95		18:00	0	0	71	119	190							
06:15	0	0	98	21	119		18:15	0	0	54	93	147							
06:30	0	0	115	24	139		18:30	0	0	37	58	95							
06:45	0	0	120	412	136	489	18:45	0	0	29	191	65	335	94	526				
07:00	0	0	143	28	171		19:00	0	0	39	60	99							
07:15	0	0	116	48	164		19:15	0	0	29	63	92							
07:30	0	0	107	42	149		19:30	0	0	32	66	98							
07:45	0	0	98	464	140	624	19:45	0	0	19	119	61	250	80	369				
08:00	0	0	96	36	132		20:00	0	0	17	67	84							
08:15	0	0	103	43	146		20:15	0	0	20	60	80							
08:30	0	0	100	34	134		20:30	0	0	17	49	66							
08:45	0	0	82	381	123	535	20:45	0	0	9	63	43	219	52	282				
09:00	0	0	68	47	115		21:00	0	0	15	30	45							
09:15	0	0	67	46	113		21:15	0	0	15	35	50							
09:30	0	0	80	33	113		21:30	0	0	9	37	46							
09:45	0	0	75	290	114	455	21:45	0	0	11	50	18	120	29	170				
10:00	0	0	63	43	106		22:00	0	0	9	17	26							
10:15	0	0	64	52	116		22:15	0	0	8	17	25							
10:30	0	0	63	42	105		22:30	0	0	7	15	22							
10:45	0	0	53	243	107	434	22:45	0	0	12	36	17	66	29	102				
11:00	0	0	52	41	93		23:00	0	0	2	14	16							
11:15	0	0	54	40	94		23:15	0	0	5	14	19							
11:30	0	0	50	56	106		23:30	0	0	5	12	17							
11:45	0	0	48	204	96	389	23:45	0	0	4	16	18	58	22	74				
TOTALS			2288	1061	3349		TOTALS			1771	3018	4789							
SPLIT %			68.3%	31.7%	41.2%		SPLIT %			37.0%	63.0%	58.8%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						4,059	4,079						8,138
AM Peak Hour			06:30	11:45	07:00		PM Peak Hour			17:15	15:45	17:15							
AM Pk Volume			494	218	624		PM Pk Volume			251	454	696							
Pk Hr Factor			0.864	0.736	0.912		Pk Hr Factor			0.884	0.962	0.916							
7 - 9 Volume	0	0	845	314	1159		4 - 6 Volume	0	0	450	890	1340							
7 - 9 Peak Hour			07:00	07:15	07:00		4 - 6 Peak Hour			17:00	16:00	17:00							
7 - 9 Pk Volume	0	0	464	168	624		4 - 6 Pk Volume	0	0	240	453	677							
Pk Hr Factor	0.000	0.000	0.811	0.875	0.912		Pk Hr Factor	0.000	0.000	0.952	0.968	0.978							



# CLASSIFICATION

## SR 24 W/O NE 120 Ave

Day: Tuesday  
Date: 2/28/2023

City: Archer  
Project #: FL23\_130064\_001

### Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	32	5	0	1	0	0	2	0	0	0	0	0	40
01:00	0	17	8	1	0	0	0	2	0	0	0	0	0	28
02:00	0	10	4	0	0	0	0	3	0	0	0	0	0	17
03:00	0	15	9	1	2	0	0	4	0	0	0	0	0	31
04:00	0	50	15	0	3	0	0	7	0	0	0	0	0	75
05:00	1	110	59	1	8	0	0	5	0	0	0	0	0	184
06:00	2	340	162	2	20	0	0	8	0	0	0	0	0	534
07:00	1	425	168	3	24	1	0	7	0	0	0	0	0	629
08:00	0	358	124	3	28	0	0	8	0	0	0	0	0	521
09:00	0	269	118	3	17	0	0	6	0	0	0	0	0	413
10:00	4	287	116	1	30	0	0	3	0	0	0	0	0	441
11:00	3	257	109	1	19	0	0	4	0	0	0	0	0	393
12:00 PM	2	321	133	4	21	0	0	8	0	0	0	0	0	489
13:00	0	274	131	1	30	0	1	11	0	0	0	0	0	448
14:00	0	316	141	2	27	0	0	5	0	0	0	0	0	491
15:00	4	395	147	4	22	1	0	2	0	0	0	0	0	575
16:00	1	398	176	1	29	0	0	7	0	0	0	0	0	612
17:00	2	481	190	0	32	1	0	2	0	0	0	0	0	708
18:00	0	353	126	1	25	0	0	2	0	0	0	0	0	507
19:00	1	249	83	0	17	0	0	2	0	0	0	0	0	352
20:00	1	191	68	0	5	0	0	1	0	0	0	0	0	266
21:00	0	118	21	8	4	0	0	1	0	0	0	0	0	152
22:00	0	93	15	0	1	0	0	1	0	0	0	0	0	110
23:00	0	42	10	0	2	0	0	0	0	0	0	0	0	54
Totals	22	5401	2138	37	367	3	1	101						8070
% of Totals	0%	67%	26%	0%	5%	0%	0%	1%						100%

AM Volumes	11	2170	897	16	152	1	0	59	0	0	0	0	0	3306
% AM	0%	27%	11%	0%	2%	0%		1%						41%
AM Peak Hour	10:00	07:00	07:00	07:00	10:00	07:00		06:00						07:00
Volume	4	425	168	3	30	1		8						629
PM Volumes	11	3231	1241	21	215	2	1	42	0	0	0	0	0	4764
% PM	0%	40%	15%	0%	3%	0%	0%	1%						59%
PM Peak Hour	15:00	17:00	17:00	21:00	17:00	15:00	13:00	13:00						17:00
Volume	4	481	190	8	32	1	1	11						708
Directional Peak Periods			AM 7-9		NOON 12-2			PM 4-6			Off Peak Volumes			
All Classes			Volume	%	Volume	%	Volume	%	Volume	%	Volume	%	Volume	%
			1150	14%	937	12%	1320	16%	4663	58%				

### Classification Definitions

1 Motorcycles	4 Buses	7 >=4-Axle Single Units	10 >=6-Axle Single Trailers	13 >=7-Axle Multi-Trailers
2 Passenger Cars	5 2-Axle, 6-Tire Single Units	8 <=4-Axle Single Trailers	11 <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	6 3-Axle Single Units	9 5-Axle Single Trailers	12 6-Axle Multi-Trailers	

# CLASSIFICATION

## SR 24 W/O NE 120 Ave

Day: Wednesday  
Date: 3/1/2023

City: Archer  
Project #: FL23\_130064\_001

### Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	21	5	0	1	0	0	1	0	0	0	0	0	28
01:00	0	16	7	9	0	0	0	1	0	0	0	0	0	33
02:00	0	12	4	0	1	0	0	2	0	0	0	0	0	19
03:00	0	36	13	2	6	1	0	6	0	0	0	0	0	64
04:00	0	48	11	0	0	0	0	8	0	0	0	0	0	67
05:00	1	114	59	1	12	0	0	4	0	0	0	0	0	191
06:00	0	306	175	4	27	0	0	12	0	0	0	0	0	524
07:00	1	441	174	0	37	3	0	5	0	0	0	0	0	661
08:00	0	379	135	1	33	2	0	5	0	0	0	0	0	555
09:00	2	271	130	5	26	0	0	7	0	0	0	0	0	441
10:00	2	234	117	2	31	1	0	9	0	0	0	0	0	396
11:00	4	248	119	3	34	0	0	7	0	0	0	0	0	415
12:00 PM	2	279	118	3	26	0	0	5	0	0	0	0	0	433
13:00	1	281	126	2	38	0	0	10	1	0	0	0	0	459
14:00	3	301	150	3	25	0	0	3	0	0	0	0	0	485
15:00	6	374	139	3	40	1	0	4	1	1	0	0	0	569
16:00	3	433	205	1	38	0	0	8	0	0	0	0	0	688
17:00	0	461	192	2	23	0	0	2	0	0	0	0	0	680
18:00	2	377	124	1	25	0	0	2	0	0	0	0	0	531
19:00	0	216	87	0	12	0	0	0	0	0	0	0	0	315
20:00	1	164	66	0	3	0	0	3	0	0	0	0	0	237
21:00	0	133	35	0	6	0	0	0	0	0	0	0	0	174
22:00	1	81	19	0	5	0	0	0	0	0	0	0	0	106
23:00	0	49	13	0	1	0	0	0	0	0	0	0	0	63
Totals	29	5275	2223	42	450	8		104	2	1				8134
% of Totals	0%	65%	27%	1%	6%	0%		1%	0%	0%				100%

AM Volumes	10	2126	949	27	208	7	0	67	0	0	0	0	0	3394
% AM	0%	26%	12%	0%	3%	0%		1%						42%
AM Peak Hour	11:00	07:00	06:00	01:00	07:00	07:00		06:00						07:00
Volume	4	441	175	9	37	3		12						661
PM Volumes	19	3149	1274	15	242	1	0	37	2	1	0	0	0	4740
% PM	0%	39%	16%	0%	3%	0%		0%	0%	0%				58%
PM Peak Hour	15:00	17:00	16:00	12:00	15:00	15:00		13:00	13:00	15:00				16:00
Volume	6	461	205	3	40	1		10	1	1				688
Directional Peak Periods			AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Classes			Volume	%		Volume	%		Volume	%		Volume	%	
			1216	↔	15%	892	↔	11%	1368	↔	17%	4658	↔	57%

### Classification Definitions

1 Motorcycles	4 Buses	7 >=4-Axle Single Units	10 >=6-Axle Single Trailers	13 >=7-Axle Multi-Trailers
2 Passenger Cars	5 2-Axle, 6-Tire Single Units	8 <=4-Axle Single Trailers	11 <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	6 3-Axle Single Units	9 5-Axle Single Trailers	12 6-Axle Multi-Trailers	

# CLASSIFICATION

## SR 24 W/O NE 120 Ave

Day: Thursday  
Date: 3/2/2023

City: Archer  
Project #: FL23\_130064\_001

### Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	39	7	0	2	0	0	1	0	0	0	0	0	49
01:00	0	20	2	0	1	0	0	0	0	0	0	0	0	23
02:00	0	25	6	1	0	0	0	1	0	0	0	0	0	33
03:00	0	35	11	1	3	0	0	6	0	0	0	0	0	56
04:00	0	41	15	0	2	1	0	3	0	0	0	0	0	62
05:00	1	116	65	1	12	0	0	5	0	0	0	0	0	200
06:00	1	290	163	4	27	0	0	4	0	0	0	0	0	489
07:00	0	413	161	4	32	2	1	11	0	0	0	0	0	624
08:00	1	367	138	1	19	3	1	5	0	0	0	0	0	535
09:00	1	283	134	6	25	2	0	3	1	0	0	0	0	455
10:00	3	278	116	3	24	1	2	7	0	0	0	0	0	434
11:00	1	230	118	2	30	0	0	7	1	0	0	0	0	389
12:00 PM	1	264	122	3	18	0	0	8	1	0	0	0	0	417
13:00	3	284	126	2	23	0	0	6	0	0	0	0	0	444
14:00	1	297	129	1	37	0	1	8	0	0	0	0	0	474
15:00	1	385	156	6	34	2	0	7	0	0	0	0	0	591
16:00	1	408	218	1	25	0	0	10	0	0	0	0	0	663
17:00	1	463	179	0	29	1	0	4	0	0	0	0	0	677
18:00	0	369	126	1	27	0	0	3	0	0	0	0	0	526
19:00	2	255	97	0	14	0	0	1	0	0	0	0	0	369
20:00	0	210	69	0	3	0	0	0	0	0	0	0	0	282
21:00	1	118	39	8	4	0	0	0	0	0	0	0	0	170
22:00	0	78	21	1	2	0	0	0	0	0	0	0	0	102
23:00	0	56	16	0	2	0	0	0	0	0	0	0	0	74
Totals	19	5324	2234	46	395	12	5	100	3					8138
% of Totals	0%	65%	27%	1%	5%	0%	0%	1%	0%					100%

AM Volumes	8	2137	936	23	177	9	4	53	2	0	0	0	0	3349		
% AM	0%	26%	12%	0%	2%	0%	0%	1%	0%					41%		
AM Peak Hour	10:00	07:00	06:00	09:00	07:00	08:00	10:00	07:00	09:00					07:00		
Volume	3	413	163	6	32	3	2	11	1					624		
PM Volumes	11	3187	1298	23	218	3	1	47	1	0	0	0	0	4789		
% PM	0%	39%	16%	0%	3%	0%	0%	1%	0%					59%		
PM Peak Hour	13:00	17:00	16:00	21:00	14:00	15:00	14:00	16:00	12:00					17:00		
Volume	3	463	218	8	37	2	1	10	1					677		
Directional Peak Periods			AM 7-9				NOON 12-2				PM 4-6				Off Peak Volumes	
All Classes			Volume		%	Volume		%	Volume		%	Volume		%		
			1159	↔	14%	861	↔	11%	1340	↔	16%	4778	↔	59%		

### Classification Definitions

1 Motorcycles	4 Buses	7 >=4-Axle Single Units	10 >=6-Axle Single Trailers	13 >=7-Axle Multi-Trailers
2 Passenger Cars	5 2-Axle, 6-Tire Single Units	8 <=4-Axle Single Trailers	11 <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	6 3-Axle Single Units	9 5-Axle Single Trailers	12 6-Axle Multi-Trailers	

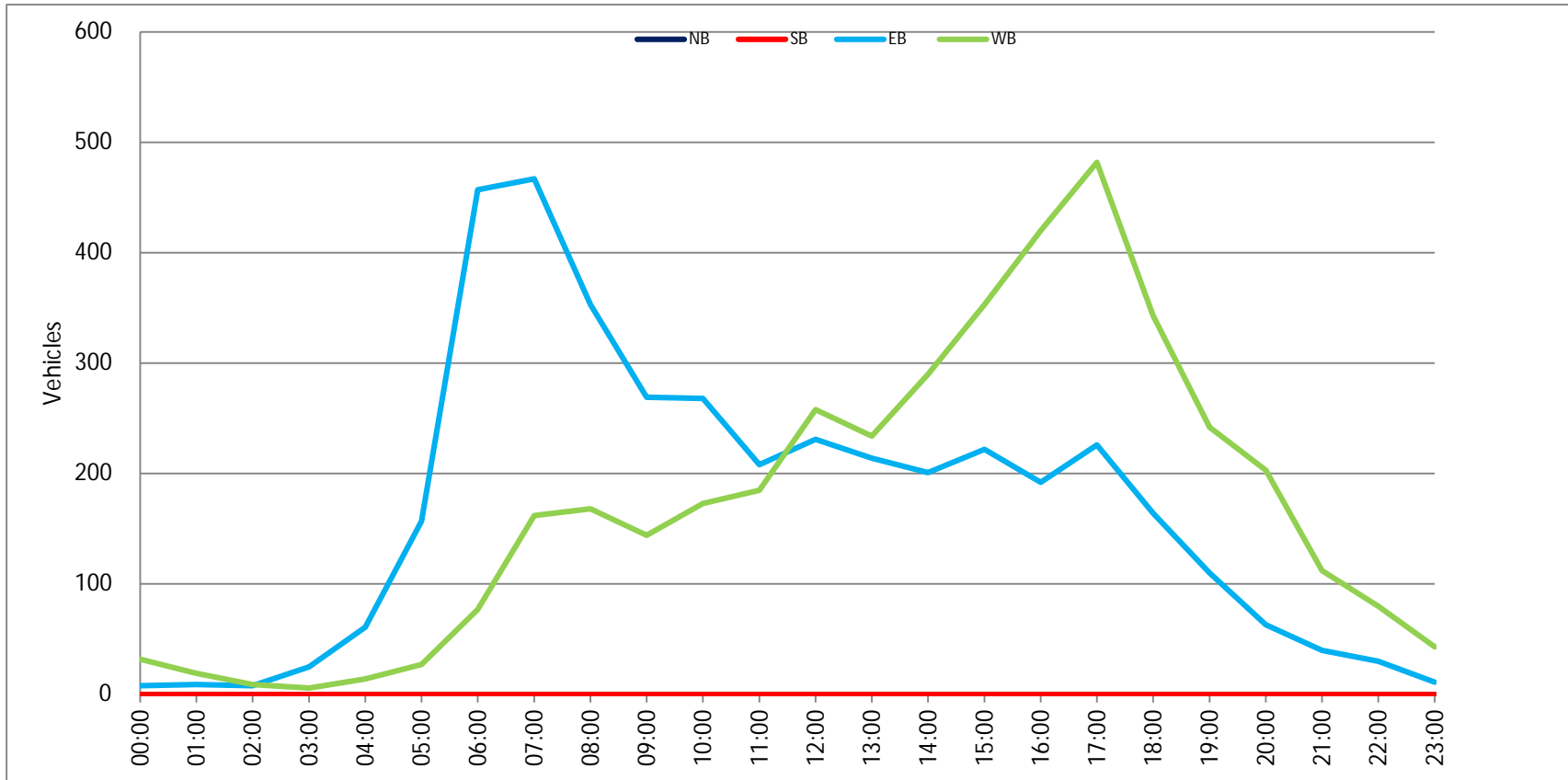


Project #: FL23\_130064\_001

City: Archer

Location: SR 24 W/O NE 120 Ave

Date: 2/28/2023



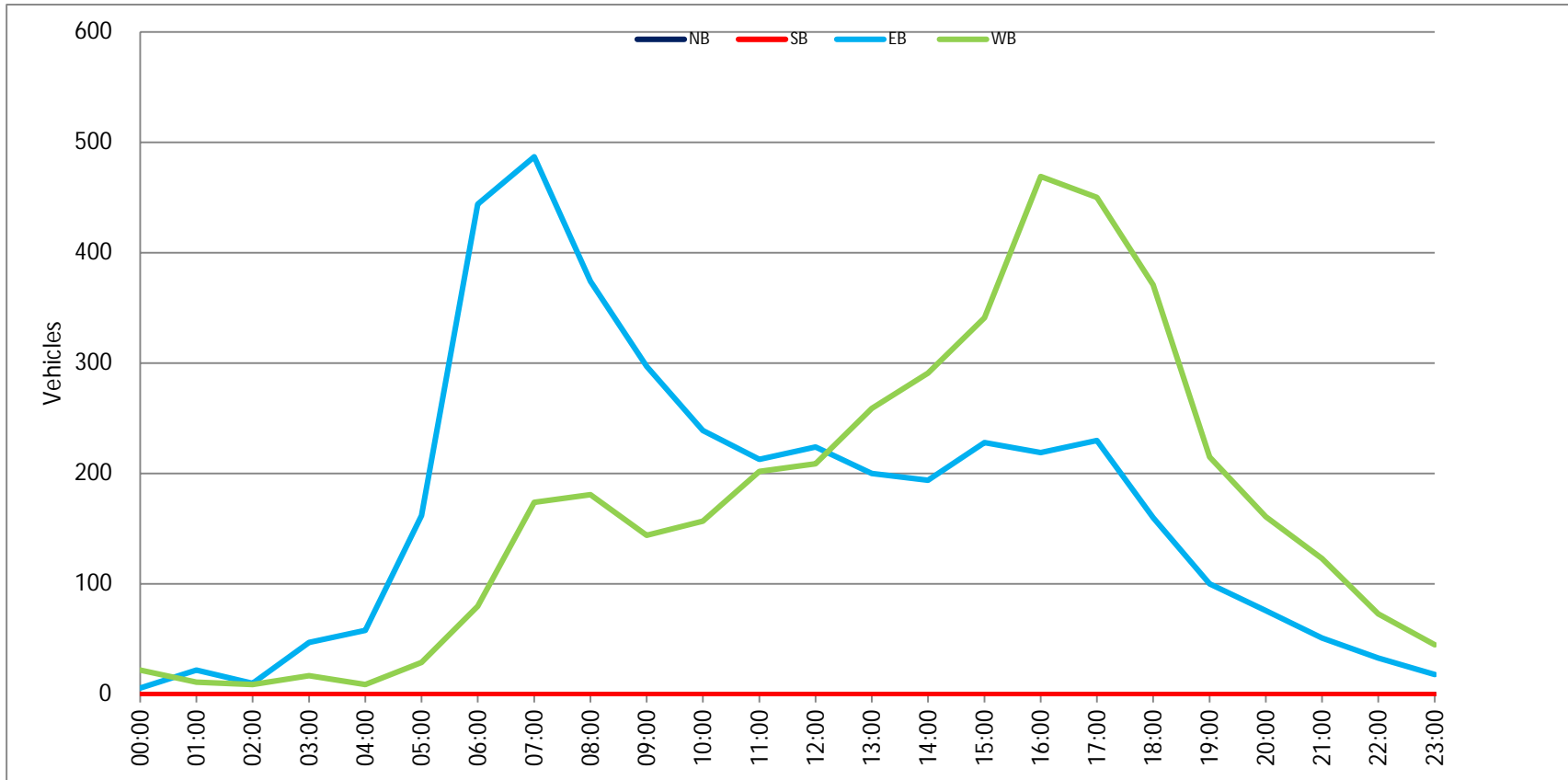
Prepared by NDS/ATD

Project #: FL23\_130064\_001

City: Archer

Location: SR 24 W/O NE 120 Ave

Date: 3/1/2023



Project #: FL23\_130064\_001

City: Archer

Location: SR 24 W/O NE 120 Ave

Date: 3/2/2023





## Appendix B: Borrow Pit Trip Generation

## Levy County Borrow Pit Hourly Trip Generation Distribution

Time	Average <sup>1</sup>		Time	Adjusted <sup>2</sup>		Trucks	
	% of Total Entering Trips	% of Total Exiting Trips		% of Total Entering Trips	% of Total Exiting Trips	Entering Trips	Exiting Trips
5:00	3%	4%					
6:00	10%	15%					
7:00	12%	11%	7:00	9%	11%	2	2
8:00	16%	11%	8:00	13%	14%	3	4
9:00	11%	11%	9:00	14%	12%	3	3
10:00	12%	12%	10:00	14%	13%	4	3
11:00	9%	9%	11:00	12%	12%	3	3
12:00	9%	6%	12:00	11%	10%	3	3
13:00	8%	8%	13:00	9%	9%	2	2
14:00	5%	7%	14:00	8%	8%	2	2
15:00	4%	3%	15:00	6%	7%	2	2
16:00	1%	3%	16:00	3%	5%	1	1
17:00	0%	1%					
18:00	0%	0%					
Daily Total	100.0%	100.0%		100.0%	100.0%	25	25

Notes:

1. The average was derived by averaging the hourly percent of trips from previous borrow pit studies.
2. The average was adjusted based on the operating hours of the borrow pit identified by the owner.

## Appendix C: Historical Growth Sheets



FLORIDA DEPARTMENT OF TRANSPORTATION  
TRANSPORTATION STATISTICS OFFICE  
2023 HISTORICAL AADT REPORT

COUNTY: 34 - LEVY

SITE: 0117 - SR 24 .2 MI. SW OF CR 32

YEAR	AADT		DIRECTION 1		DIRECTION 2	*K FACTOR	D FACTOR	T FACTOR
----	-----		-----		-----	-----	-----	-----
2023	3600 C	E	0	W	0	9.50	55.00	13.40
2022	3900 C	E	0	W	0	9.50	55.40	13.90
2021	3300 F		0		0	9.50	54.60	7.60
2020	3200 C	E	0	W	0	9.50	54.40	15.40
2019	3600 C	E	0	W	0	9.50	54.80	12.10
2018	3600 C	E	0	W	0	9.50	56.20	8.30
2017	3700 C	E	0	W	0	9.50	56.90	12.70
2016	3600 C	E	0	W	0	9.50	56.00	15.40
2015	3400 C	E	0	W	0	9.50	55.40	13.10
2014	3300 C	E		W		9.50	55.50	11.80
2013	3200 C	E	0	W	0	9.50	55.40	15.60
2012	3400 C	E	0	W	0	9.50	55.30	9.40
2011	3700 C	E	0	W	0	9.50	55.30	9.40
2010	3800 C	E	0	W	0	12.68	58.46	10.90
2009	3300 C	E	0	W	0	12.77	56.79	9.40
2008	3500 C	E	0	W	0	12.80	59.04	13.30

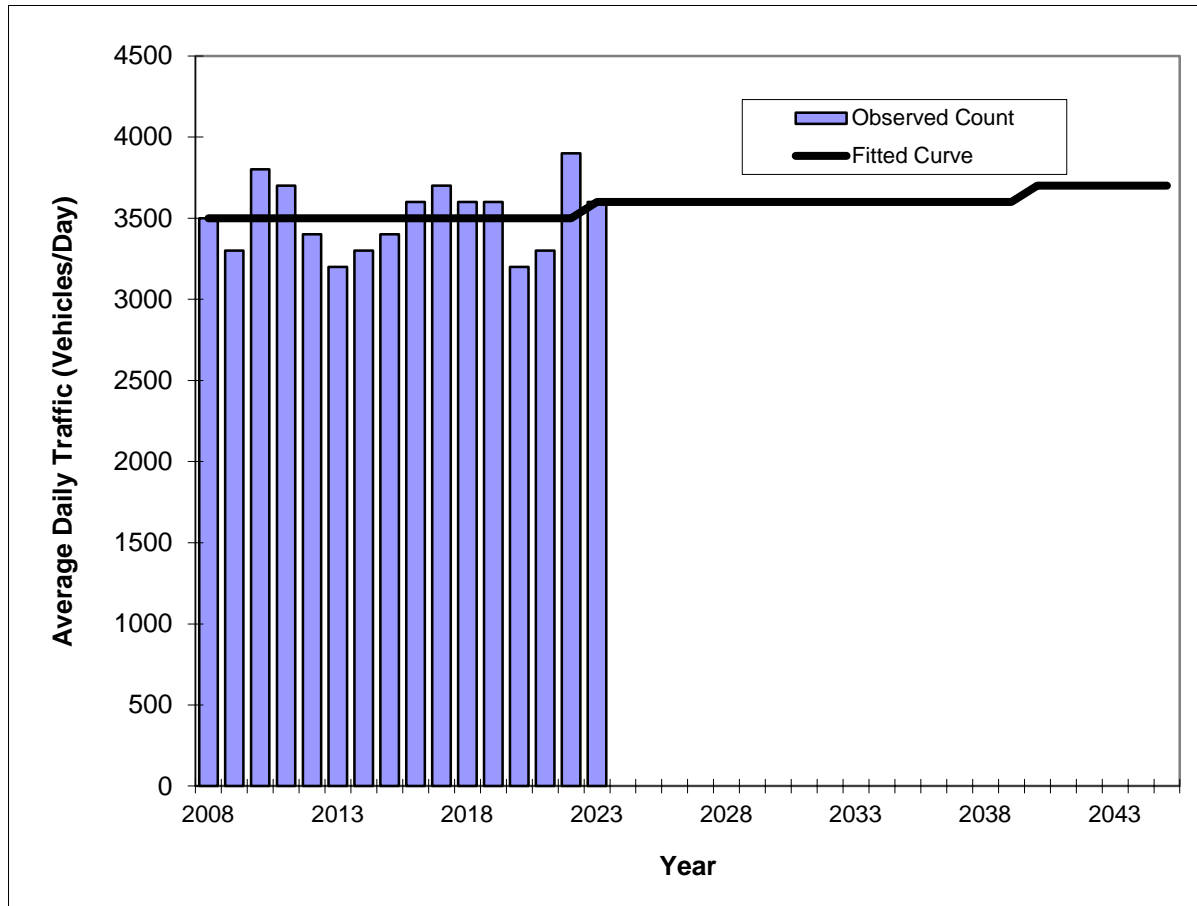
AADT FLAGS: C = COMPUTED; E = MANUAL ESTIMATE; F = FIRST YEAR ESTIMATE  
S = SECOND YEAR ESTIMATE; T = THIRD YEAR ESTIMATE; R = FOURTH YEAR ESTIMATE  
V = FIFTH YEAR ESTIMATE; 6 = SIXTH YEAR ESTIMATE; X = UNKNOWN  
\*K FACTOR: STARTING WITH YEAR 2011 IS STANDARDK, PRIOR YEARS ARE K30 VALUES

## Traffic Trends - V03.a

SR 24 -- SR 24, 0.2 mi SW of CR 32

FIN#	1234
Location	1

County:	Levy (34)
Station #:	0117
Highway:	SR 24



Year	Traffic (ADT/AADT)	
	Count*	Trend**
2008	3500	3500
2009	3300	3500
2010	3800	3500
2011	3700	3500
2012	3400	3500
2013	3200	3500
2014	3300	3500
2015	3400	3500
2016	3600	3500
2017	3700	3500
2018	3600	3500
2019	3600	3500
2020	3200	3500
2021	3300	3500
2022	3900	3500
2023	3600	3600
2024 Opening Year Trend		
2024	N/A	3600
2035 Mid-Year Trend		
2035	N/A	3600
2045 Design Year Trend		
2045	N/A	3700
TRANPLAN Forecasts/Trends		

** Annual Trend Increase:	6
Trend R-squared:	1.79%
Trend Annual Historic Growth Rate:	0.19%
Trend Growth Rate (2023 to Design Year):	0.13%
Printed:	10-Jun-24
Straight Line Growth Option	

\*Axle-Adjusted

## Appendix D: Intersection Volume Development Sheets



# TRAFFIC VOLUMES AT STUDY INTERSECTIONS

INTERSECTION: Project Driveway at SR 24  
 AM COUNT DATE: March 1, 2023  
 PM COUNT DATE: February 28, 2023  
 AM PEAK HOUR FACTOR: 0.93  
 PM PEAK HOUR FACTOR: 0.90

"AM EXISTING TRAFFIC"	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
AM Raw Turning Movements		0	473	0		0	165	0		0	0	0		0	0	0
Peak Season Correction Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

AM EXISTING CONDITIONS	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
		0	473	0		0	165	0		0	0	0		0	0	0

"PM EXISTING TRAFFIC"	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
PM Raw Turning Movements		0	232	0		0	456	0		0	0	0		0	0	0
Peak Season Correction Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

PM EXISTING CONDITIONS	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
		0	232	0		0	456	0		0	0	0		0	0	0

"AM BACKGROUND TRAFFIC"	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
Years To Buildout	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Yearly Growth Rate	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
AM BACKGROUND TRAFFIC GROWTH		0	5	0		0	2	0		0	0	0		0	0	0

AM NON-PROJECT TRAFFIC	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
		0	478	0		0	167	0		0	0	0		0	0	0

"PM BACKGROUND TRAFFIC"	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
Years To Buildout	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Yearly Growth Rate	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
PM BACKGROUND TRAFFIC GROWTH		0	2	0		0	5	0		0	0	0		0	0	0

PM NON-PROJECT TRAFFIC	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
		0	234	0		0	461	0		0	0	0		0	0	0

"PROJECT DISTRIBUTION"		EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
LAND USE	TYPE																
Trucks Distribution	Entering				20.0%		80.0%										
	Exiting										20.0%		80.0%				
Auto Distribution	Entering				20.0%		80.0%										
	Exiting										20.0%		80.0%				

"AM PROJECT TRAFFIC"		EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
LAND USE	TYPE																
AM TRAFFIC VOLUMES																	
Project Trips	Trucks				1		2				1		3				
	Auto				0		2				0		0				
AM TOTAL PROJECT TRAFFIC			0	0	1		4	0	0		1	0	3		0	0	0

AM TOTAL TRAFFIC	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
		0	478	1		4	167	0		1	0	3		0	0	0

"PM PROJECT TRAFFIC"		EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
LAND USE	TYPE																
PM TRAFFIC VOLUMES																	
Project Trips	Trucks				0		2				0		2				
	Auto				0		0				0		2				
PM TOTAL PROJECT TRAFFIC			0	0	0		2	0	0		0	0	4		0	0	0

PM TOTAL TRAFFIC	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
		0	234	0		2	461	0		0	0	4		0	0	0

## Appendix E: Synchro Output

	→	↘	↙	←	↖	↗
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	P			4	Y	
Traffic Volume (vph)	478	1	4	167	1	3
Future Volume (vph)	478	1	4	167	1	3
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Heavy Vehicles (%)	8%	100%	100%	8%	100%	100%
Adj. Flow (vph)	514	1	4	180	1	3
Shared Lane Traffic (%)						
Lane Group Flow (vph)	515	0	0	184	4	0
Sign Control	Free			Free	Stop	




Intersection Summary










Control Type: Unsignalized



HCM 7th TWSC  
1: Project Driveway & SR 24




2024 Buildout Conditions  
Timing Plan: AM Peak Hour

Intersection						
Int Delay, s/veh	0.2					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	478	1	4	167	1	3
Future Vol, veh/h	478	1	4	167	1	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	8	100	100	8	100	100
Mvmt Flow	514	1	4	180	1	3
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	515	0	703	515
Stage 1	-	-	-	-	515	-
Stage 2	-	-	-	-	188	-
Critical Hdwy	-	-	5.1	-	7.4	7.2
Critical Hdwy Stg 1	-	-	-	-	6.4	-
Critical Hdwy Stg 2	-	-	-	-	6.4	-
Follow-up Hdwy	-	-	3.1	-	4.4	4.2
Pot Cap-1 Maneuver	-	-	693	-	288	407
Stage 1	-	-	-	-	442	-
Stage 2	-	-	-	-	655	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	693	-	286	407
Mov Cap-2 Maneuver	-	-	-	-	286	-
Stage 1	-	-	-	-	442	-
Stage 2	-	-	-	-	651	-
Approach	EB		WB		NB	
HCM Control Delay, s/v	0		0.24		14.89	
HCM LOS	B					
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	368	-	-	42	-	
HCM Lane V/C Ratio	0.012	-	-	0.006	-	
HCM Control Delay (s/veh)	14.9	-	-	10.2	0	
HCM Lane LOS	B	-	-	B	A	
HCM 95th %tile Q(veh)	0	-	-	0	-	

						
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	234	0	2	461	0	4
Future Volume (vph)	234	0	2	461	0	4
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles (%)	8%	100%	100%	8%	100%	100%
Adj. Flow (vph)	260	0	2	512	0	4
Shared Lane Traffic (%)						
Lane Group Flow (vph)	260	0	0	514	4	0
Sign Control	Free			Free	Stop	
Intersection Summary						
Control Type: Unsignalized						

HCM 7th TWSC  
1: Project Driveway & SR 24

2024 Buildout Conditions  
Timing Plan: PM Peak Hour

Intersection						
Int Delay, s/veh	0.1					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	234	0	2	461	0	4
Future Vol, veh/h	234	0	2	461	0	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	8	100	100	8	100	100
Mvmt Flow	260	0	2	512	0	4
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	260	0	777	260
Stage 1	-	-	-	-	260	-
Stage 2	-	-	-	-	517	-
Critical Hdwy	-	-	5.1	-	7.4	7.2
Critical Hdwy Stg 1	-	-	-	-	6.4	-
Critical Hdwy Stg 2	-	-	-	-	6.4	-
Follow-up Hdwy	-	-	3.1	-	4.4	4.2
Pot Cap-1 Maneuver	-	-	897	-	257	591
Stage 1	-	-	-	-	602	-
Stage 2	-	-	-	-	440	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	897	-	256	591
Mov Cap-2 Maneuver	-	-	-	-	256	-
Stage 1	-	-	-	-	602	-
Stage 2	-	-	-	-	439	-
Approach	EB		WB		NB	
HCM Control Delay, s/v	0		0.04		11.14	
HCM LOS	B					
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	591	-	-	8	-	
HCM Lane V/C Ratio	0.008	-	-	0.002	-	
HCM Control Delay (s/veh)	11.1	-	-	9	0	
HCM Lane LOS	B	-	-	A	A	
HCM 95th %tile Q(veh)	0	-	-	0	-	

## Appendix F: Turn Lane Analysis



## Project Driveway at SR 24 AM Peak Hour Buildout Traffic

**Figure 2 - 5. Guideline for determining the need for a major-road left-turn bay at a two-way stop-controlled intersection.**

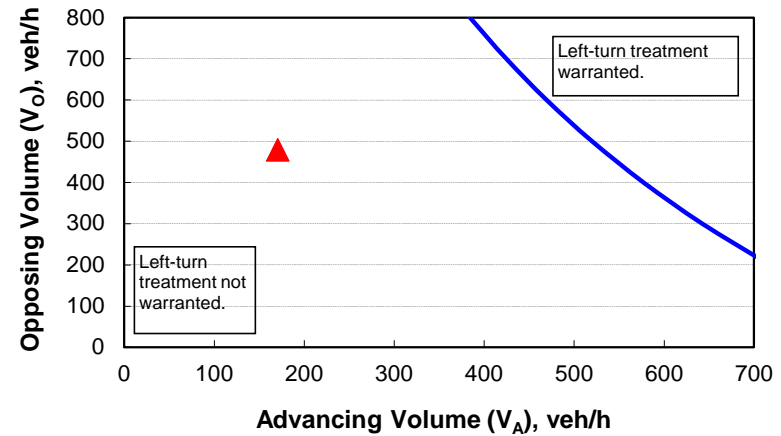
### 2-lane roadway (English)

#### INPUT

Variable	Value
85 <sup>th</sup> percentile speed, mph:	55
Percent of left-turns in advancing volume ( $V_A$ ), %:	2%
Advancing volume ( $V_A$ ), veh/h:	171
Opposing volume ( $V_O$ ), veh/h:	479

#### OUTPUT

Variable	Value
Limiting advancing volume ( $V_A$ ), veh/h:	531
<b>Guidance for determining the need for a major-road left-turn bay:</b>	
<b>Left-turn treatment NOT warranted.</b>	



#### CALIBRATION CONSTANTS

Variable	Value
Average time for making left-turn, s:	3.0
Critical headway, s:	5.0
Average time for left-turn vehicle to clear the advancing lane, s:	1.9

## Project Driveway at SR 24 PM Peak Hour Buildout Traffic

**Figure 2 - 5. Guideline for determining the need for a major-road left-turn bay at a two-way stop-controlled intersection.**

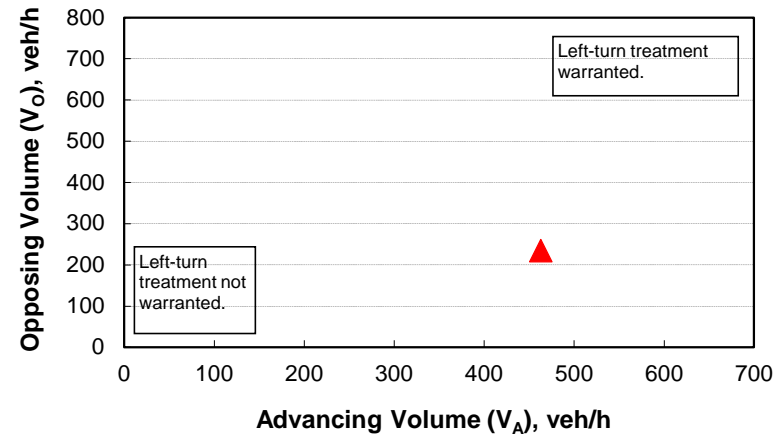
### 2-lane roadway (English)

#### INPUT

Variable	Value
85 <sup>th</sup> percentile speed, mph:	55
Percent of left-turns in advancing volume ( $V_A$ ), %:	0%
Advancing volume ( $V_A$ ), veh/h:	463
Opposing volume ( $V_O$ ), veh/h:	234

#### OUTPUT

Variable	Value
Limiting advancing volume ( $V_A$ ), veh/h:	1593
<b>Guidance for determining the need for a major-road left-turn bay:</b>	
<b>Left-turn treatment NOT warranted.</b>	



#### CALIBRATION CONSTANTS

Variable	Value
Average time for making left-turn, s:	3.0
Critical headway, s:	5.0
Average time for left-turn vehicle to clear the advancing lane, s:	1.9

## Project Driveway at SR 24 AM Peak Hour Buildout Traffic

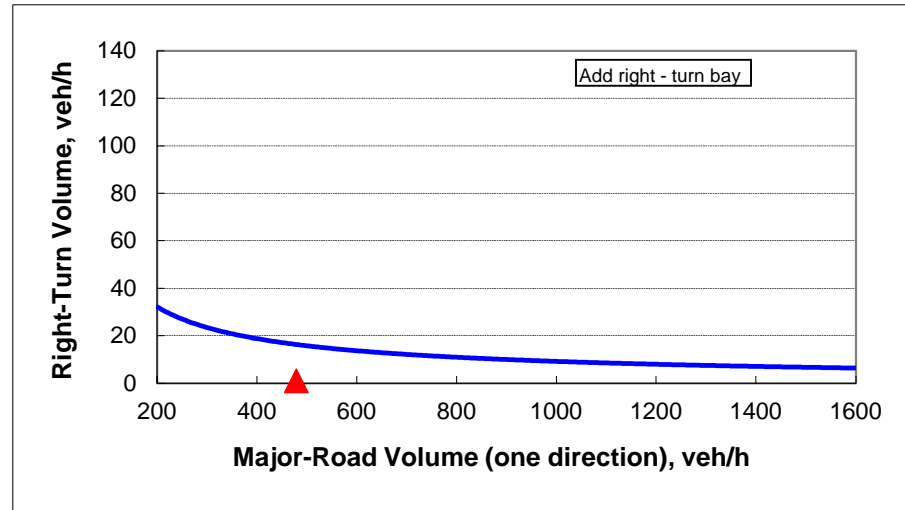
**Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.**

### INPUT

Roadway geometry:	2-lane roadway
Variable	Value
Major-road speed, mph:	55
Major-road volume (one direction), veh/h:	479
Right-turn volume, veh/h:	1

### OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	16
<b>Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:</b>	
Do NOT add right-turn bay.	



## Project Driveway at SR 24 PM Peak Hour Buildout Traffic

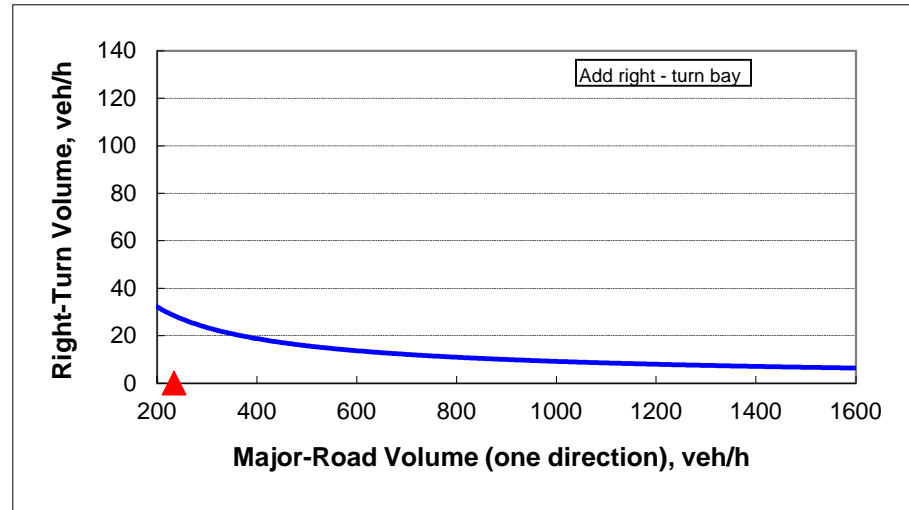
**Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.**

### INPUT

Roadway geometry:	2-lane roadway
Variable	Value
Major-road speed, mph:	55
Major-road volume (one direction), veh/h:	234
Right-turn volume, veh/h:	0

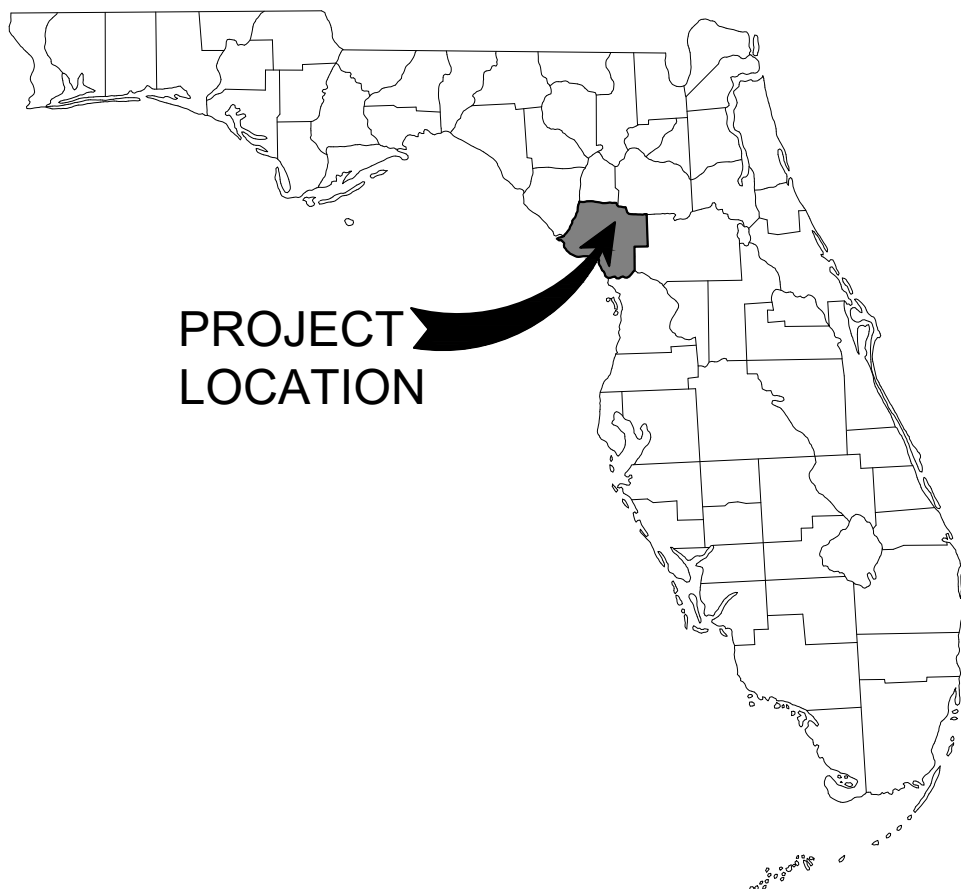
### OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	28
<b>Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:</b>	
Do NOT add right-turn bay.	





# FEBRUARY 2025

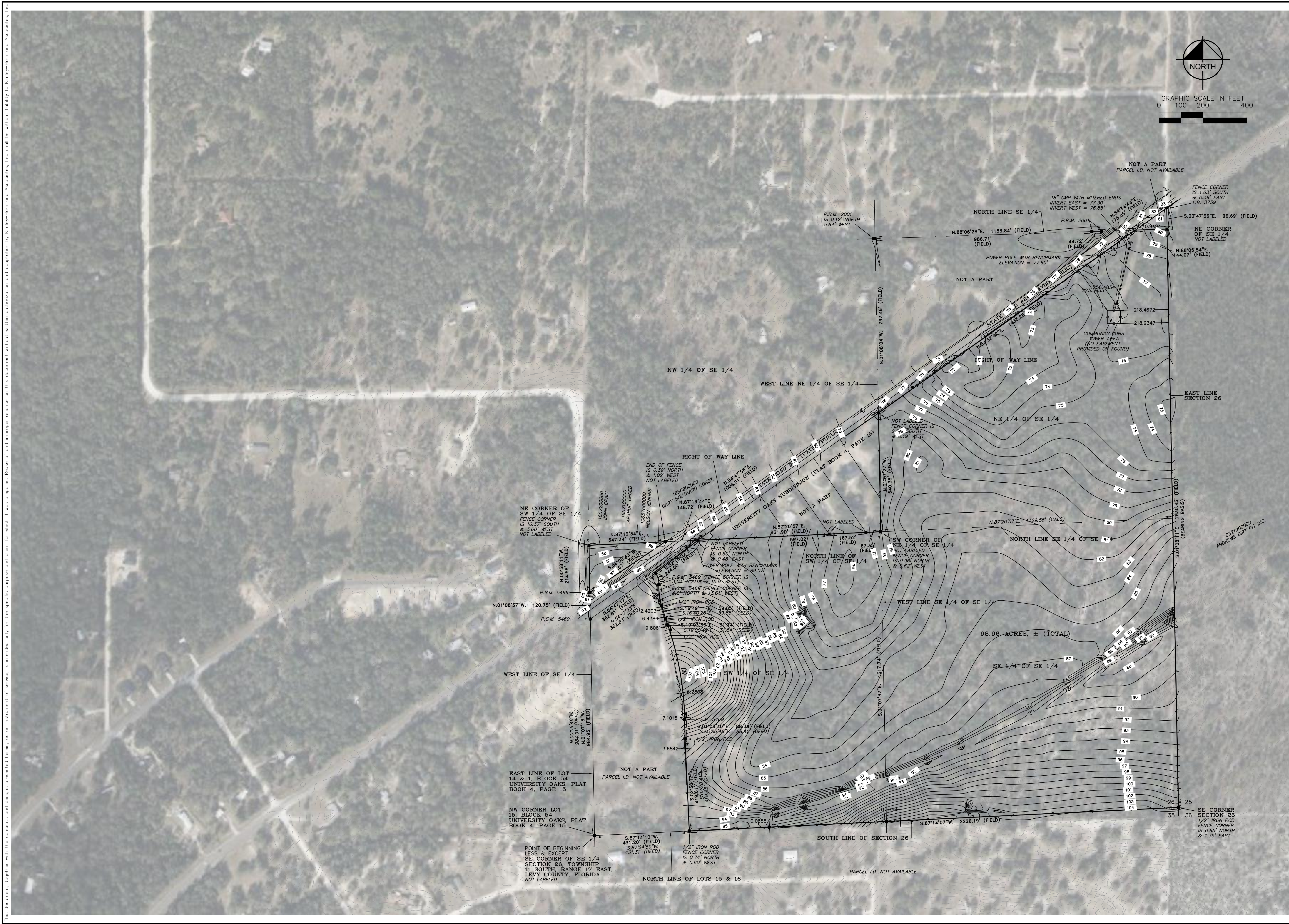


SHEET NUMBER  
**C01**

[illegible]



K:\proj\2422020000-levy county borrow pit\2422020000-existing conditions plan.dwg Feb 18, 2025 jlopez  
PLOT: 2422020000-levy county borrow pit\2422020000-existing conditions plan.dwg Feb 18, 2025 jlopez  
This document, together with the concepts and designs presented herein, is on instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

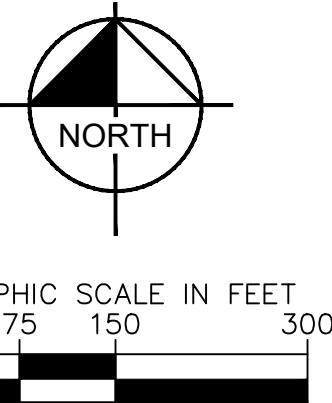


SHEET NUMBER C02		LEVY COUNTY BORROW PIT PREPARED FOR ANDERSON COLUMBIA FLORIDA		EXISTING CONDITIONS PLAN		KHA PROJECT 2422020000 DATE FEBRUARY 2025 SCALE AS SHOWN DESIGNED BY KHA DRAWN BY KHA CHECKED BY KHA		LICENSED PROFESSIONAL JOSE LOPEZ JR, P.E. FLORIDA LICENSE NUMBER 86446		Kimley»Horn © 2024 KIMLEY-HORN AND ASSOCIATES, INC.		NOT FOR CONSTRUCTION No. _____ REVISIONS DATE BY	
---------------------	--	---	--	-----------------------------	--	---	--	---	--	--	--	--	--



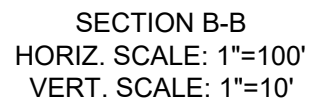
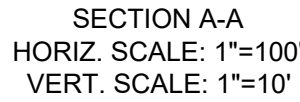




[illegible]

SHEET NUMBER		LEVY COUNTY		BORING MAP		LEVY COUNTY		FLORIDA	
C04		LEVY COUNTY BORROW PIT PREPARED FOR ANDERSON COLUMBIA		BORING MAP		LEVY COUNTY		FLORIDA	
KHA PROJECT 242202000		DATE FEBRUARY 2025		LICENSED PROFESSIONAL		<b>Kimley»Horn</b> © 2024 KIMLEY-HORN AND ASSOCIATES, INC.			
SCALE AS SHOWN		DESIGNED BY KHA		JOSE LOPEZ JR, P.E.					
DRAWN BY				FLORIDA LICENSE NUMBER 86446					
CHECKED BY				DATE		No. REVISIONS DATE BY			
						A NOT FOR CONSTRUCTION - -			





LEVY COUNTY  
BORROW PIT  
PREPARED FOR  
ANDERSON COLUMBIA  
LEVY COUNTY FLORIDA

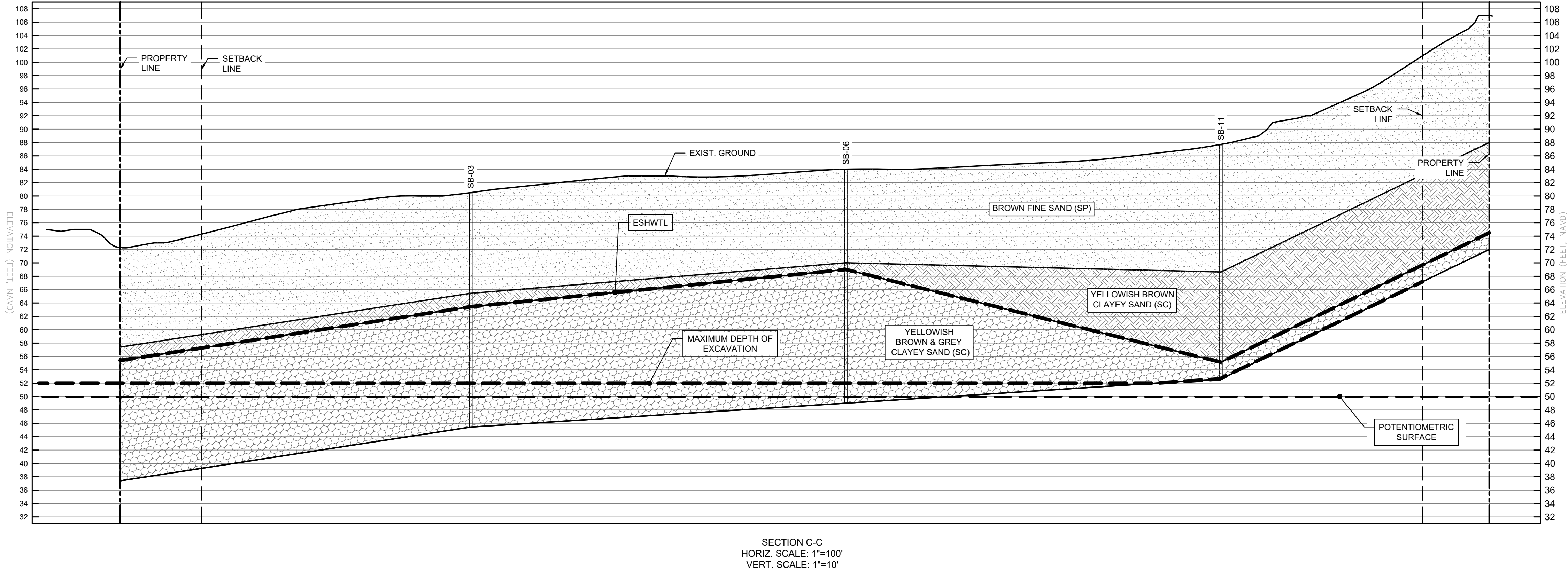
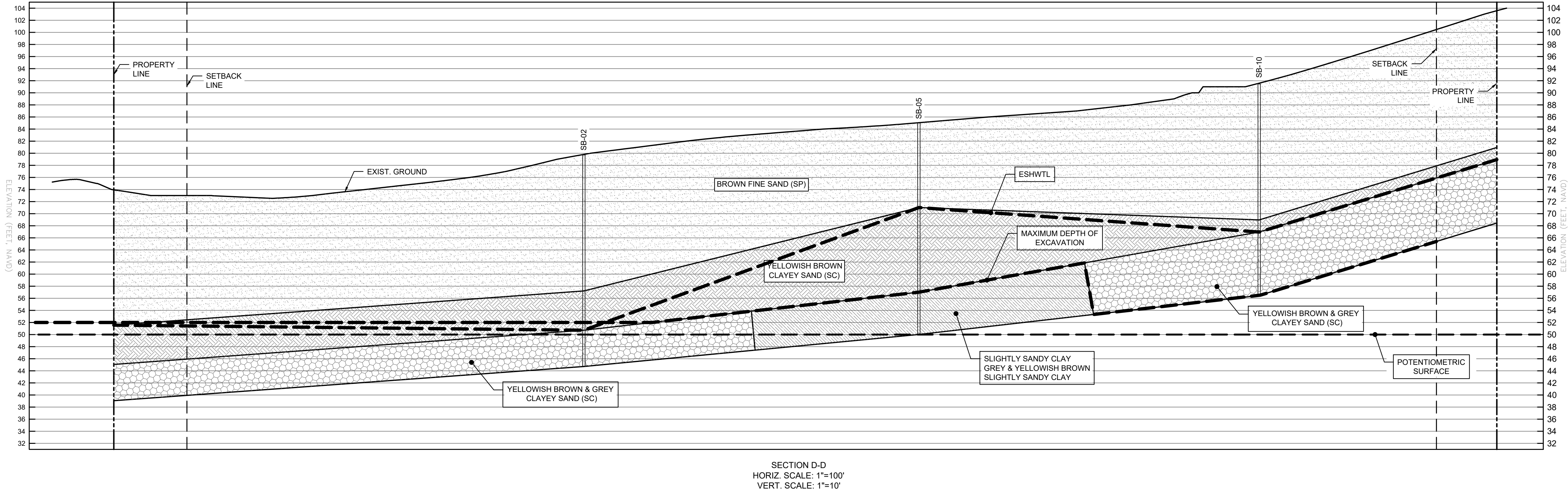
KHA PROJECT 24202000	LICENSED PROFESSIONAL
DATE FEBRUARY 2025	JOSE LOPEZ JR, P.E.
SCALE AS SHOWN	FLORIDA LICENSE NUMBER 86446
DESIGNED BY KHA	DATE: ---
DRAWN BY	
CHECKED BY	

© 2024 KIMLEY-HORN AND ASSOCIATES, INC.

<del>A</del>	NOT FOR CONSTRUCTION	-	-
No.	REVISIONS	DATE	BY



K:\proj\242202000-levy county borrow pit\Drawings\03 SITE AND RECLAMATION\PLANS\Layout\06 CROSS SECTIONS - Feb 18, 2025 - jps.lpcsf  
REF: 242202000-levy county borrow pit\Drawings\03 SITE AND RECLAMATION\PLANS\Layout\06 CROSS SECTIONS - Feb 18, 2025 - jps.lpcsf  
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEVY COUNTY  
BORROW PIT  
PREPARED FOR  
ANDERSON COLUMBIA  
FLORIDA

CROSS SECTIONS

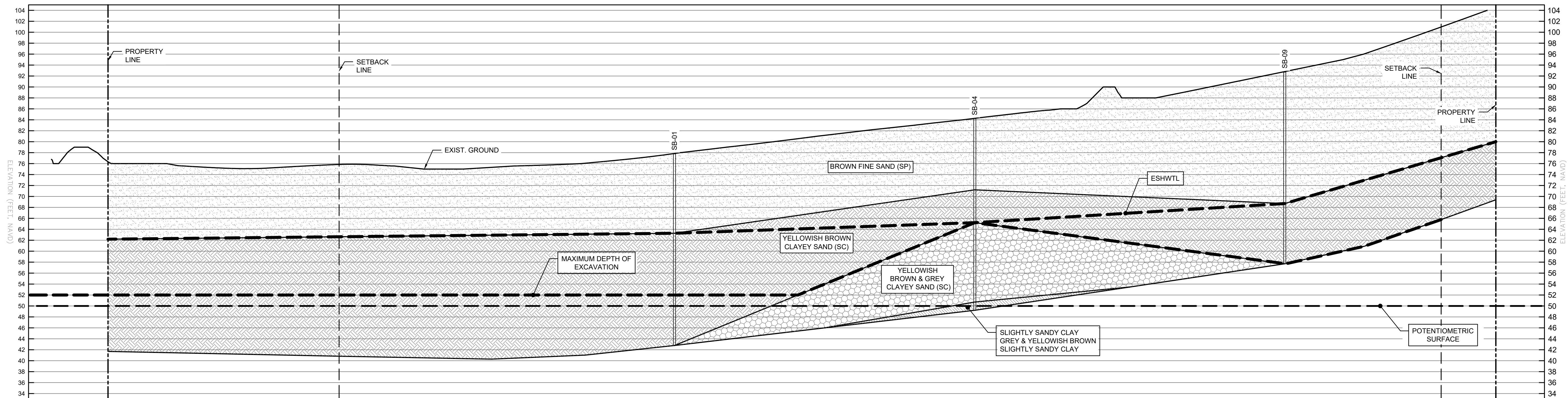
KHA PROJECT  
242202000  
DATE  
FEBRUARY 2025  
SCALE AS SHOWN  
DESIGNED BY KHA  
DRAWN BY  
CHECKED BY

Kimley»Horn  
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.

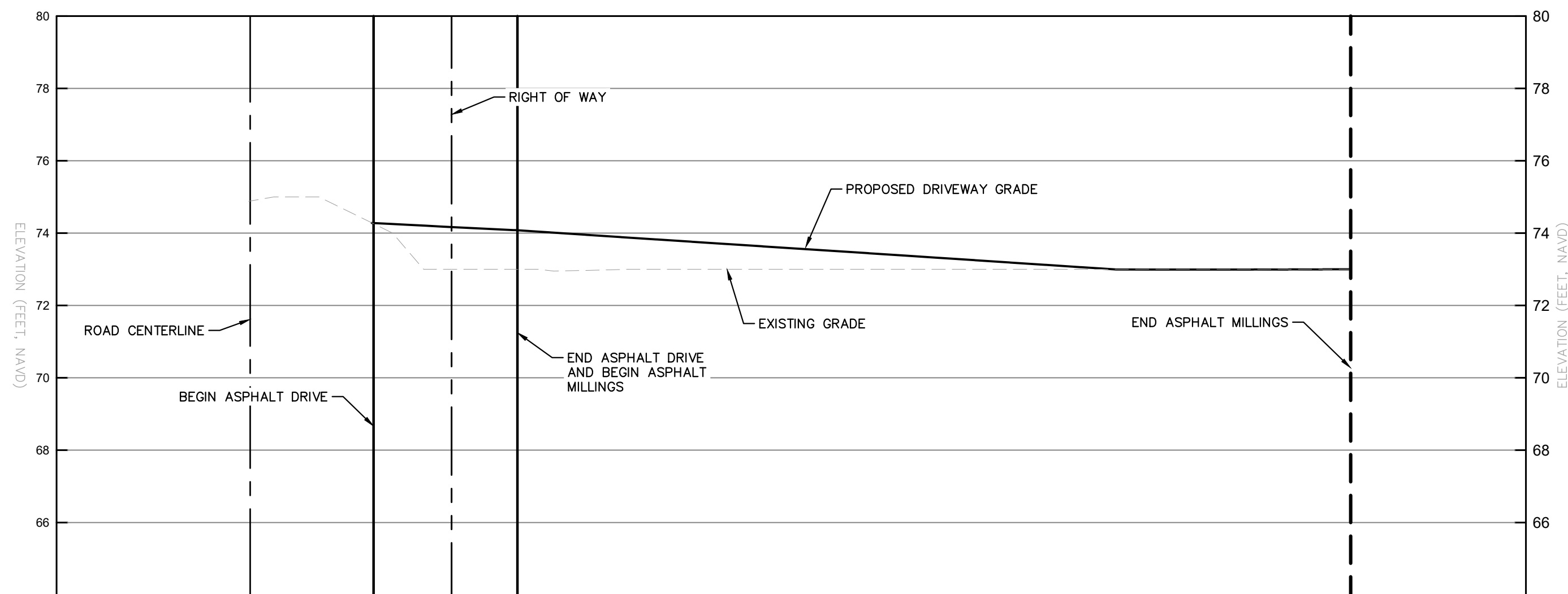
LICENSED PROFESSIONAL	JOSE LOPEZ JR, P.E.	FLORIDA LICENSE NUMBER	86446	DATE	---
NOT FOR CONSTRUCTION	---	REVISIONS	---	DATE	BY

SHEET NUMBER  
C06





SECTION E-E  
HORIZ. SCALE: 1"=100'  
VERT. SCALE: 1"=10'



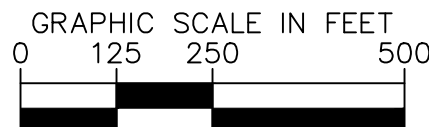
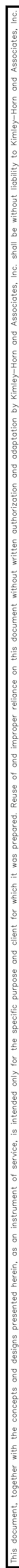
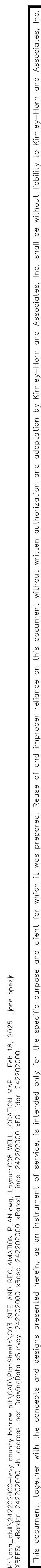
DRIVEWAY PROFILE  
HORIZ. SCALE: 1"=4'  
VERT. SCALE: 1"=20'

K:\cog\_civil\24202000--lew county borrow pit\CAD\PlanSheets\C03 SITE AND RECLAMATION PLAN.dwg, Layout:COT CROSS SECTIONS AND DROWENWAY PROFILE Feb 18, 2025 jsclopecy  
XREFS: IBorder=242020000 DrawingData Survey=242020000 XBase=242020000 XBorder Line=242020000 XEG Ldr=242020000

N:\Sec - civil\2-02-2020\19-CV-00685-LEWIS AND CLARK\KWA PROFILE Feb 18, 2025 jrcloster7  
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of this document without written authorization and adaptation by Kinley-Horn and Associates, Inc. shall be without liability to Kinley-Horn and Associates, Inc.  
KWA uses the following disclaimer language: KWA AND ITS EMPLOYEES, AGENTS, SUBSIDIARIES AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KINLEY-HORN AND ASSOCIATES, INC.

SHEET NUMBER	C07
LEVY COUNTY BORROW PIT  PREPARED FOR ANDERSON COLUMBIA LEVY COUNTY FLORIDA	CROSS SECTIONS AND DRIVEWAY PROFILE
KHA PROJECT DATE FEBRUARY 2025 SCALE AS SHOWN DESIGNED BY KHA DRAWN BY CHECKED BY	LICENSED PROFESSIONAL  JOSE LOPEZ JR., P.E. FLORIDA LICENSE NUMBER 86446 DATE _____
Kimley»Horn © 2024 KIMLEY-HORN AND ASSOCIATES, INC.	
A NOT FOR CONSTRUCTION	
No.	DATE
	BY

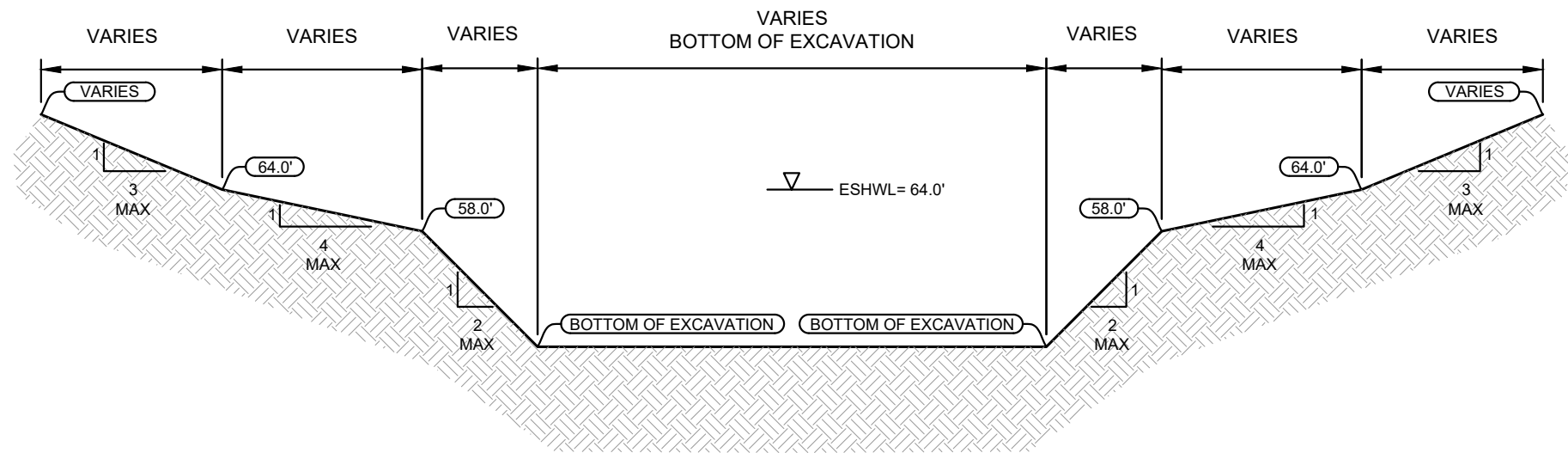
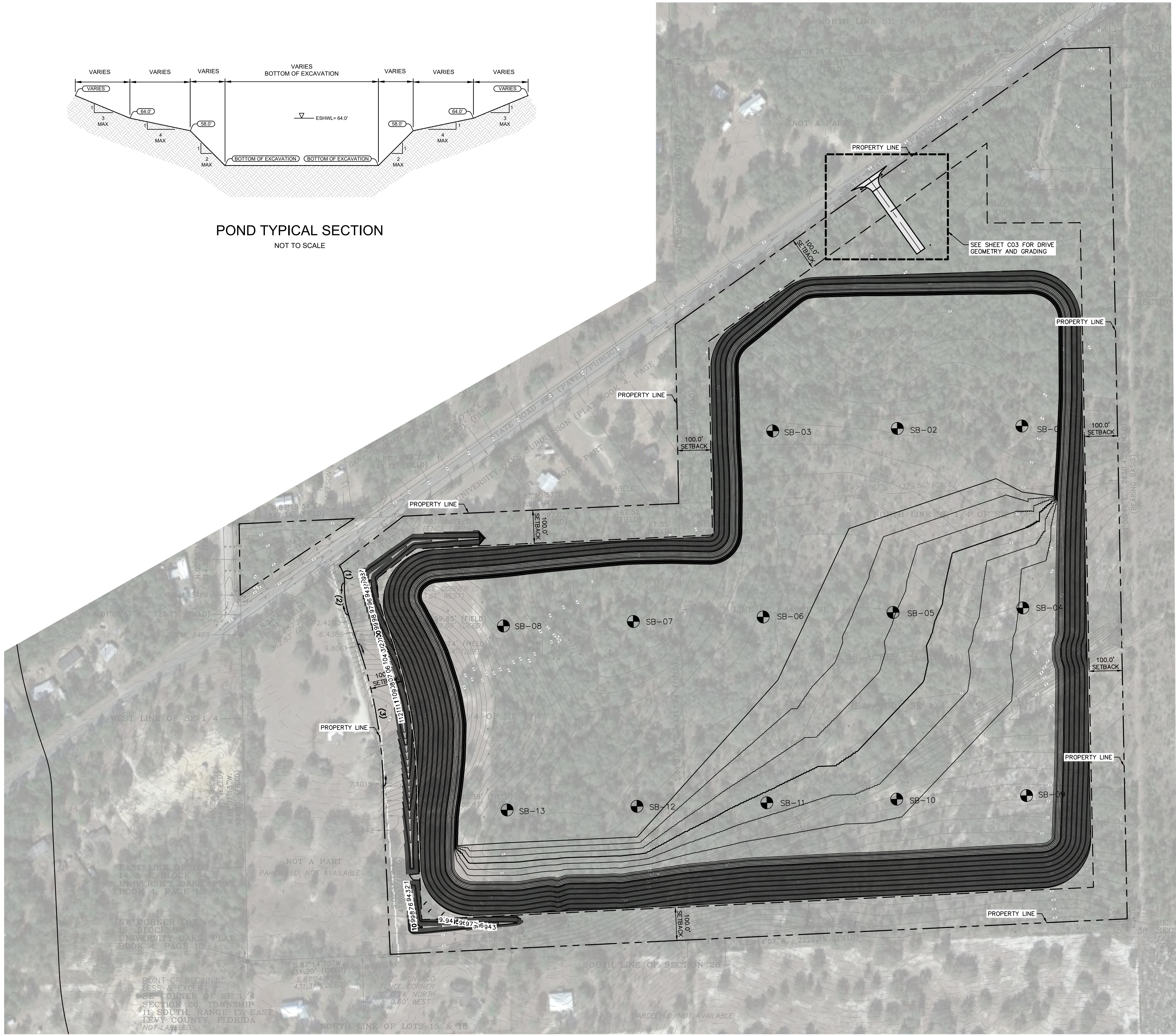




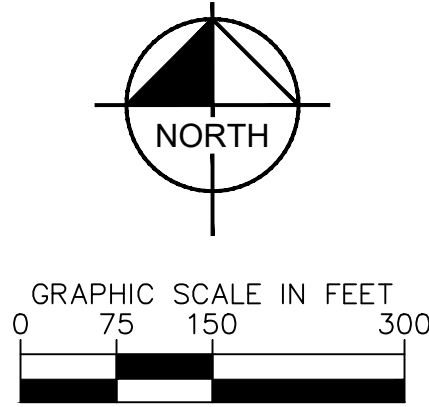
SHEET NUMBER	C08
LEVY COUNTY BORROW PIT PREPARED FOR ANDERSON COLUMBIA LEVY COUNTY FLORIDA	WELL LOCATION MAP
KHA PROJECT 242202000	LICENSED PROFESSIONAL
DATE FEBRUARY 2025	JOSE LOPEZ JR., P.E.
SCALE AS SHOWN	FLORIDA LICENSE NUMBER
DESIGNED BY KHA	86446
DRAWN BY	DATE:
CHECKED BY	
<b>Kimley»Horn</b> © 2024 KIMLEY-HORN AND ASSOCIATES, INC.	
	NOT FOR CONSTRUCTION
No.	REVISIONS
BY	DATE



K:\proj\242202000-levy county borrow pit\CAD\Drawings\09 BORROW PIT OVERALL GRADING PLAN.dwg, Layout: C09 BORROW PIT OVERALL GRADING PLAN, Feb 18, 2025, jlopez  
PLOT: 242202000-levy county borrow pit.dwg, User: jlopez, Date: 2/18/2025, Scale: 1/8"=1'-0", Plot Size: 11.00 x 17.00, Plot Date: 2/18/2025, Plot Time: 10:00 AM, Plot User: jlopez  
This document, together with the concepts and designs presented herein, is an instrument of service, and its use is limited to the project and site for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



POND TYPICAL SECTION  
NOT TO SCALE



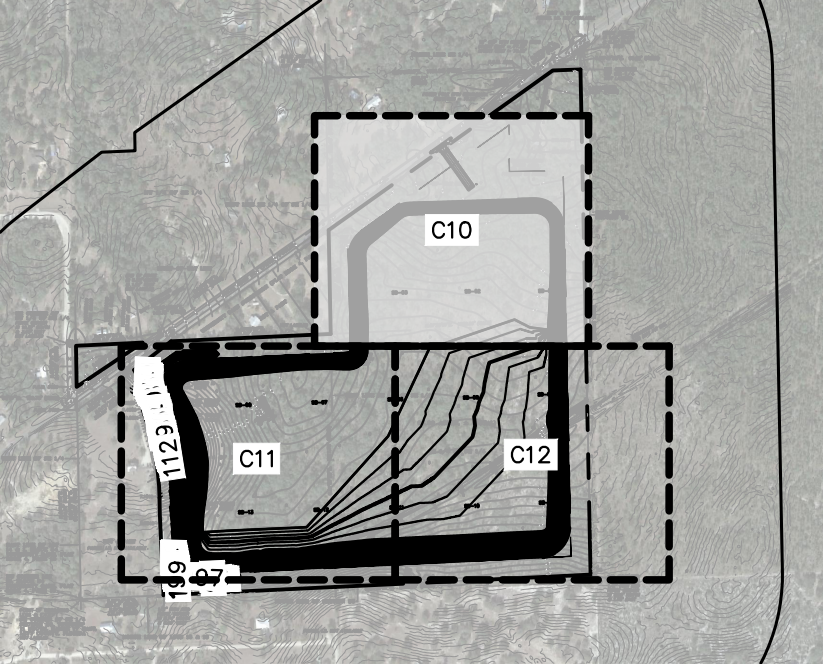
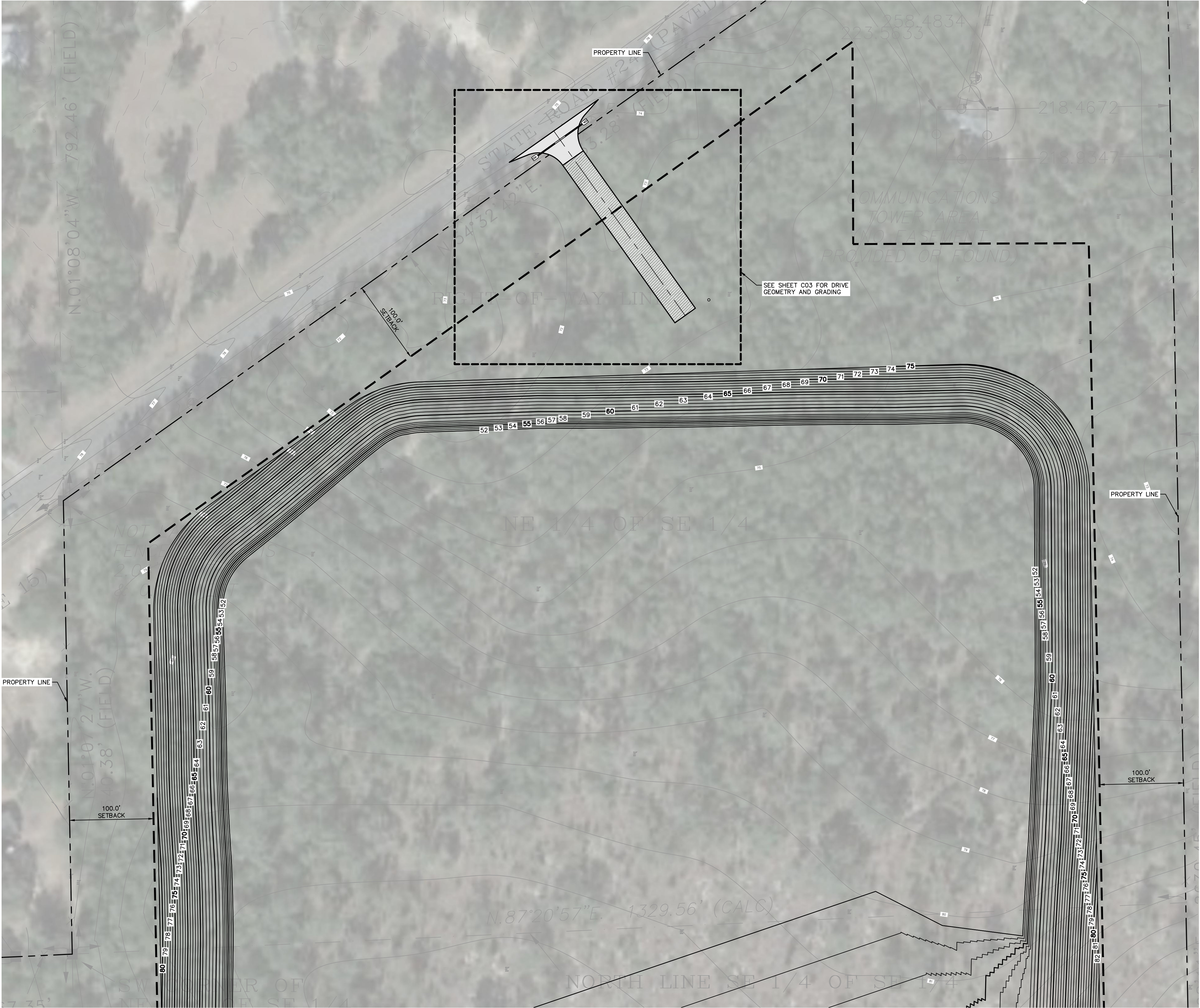
SHEET NUMBER <b>C09</b>		LEVY COUNTY BORROW PIT PREPARED FOR ANDERSON COLUMBIA FLORIDA		<b>BORROW PIT OVERALL GRADING PLAN</b>		KHA PROJECT 242202000 DATE FEBRUARY 2025 SCALE AS SHOWN DESIGNED BY KHA DRAWN BY CHECKED BY		LICENSED PROFESSIONAL JOSE LOPEZ JR, P.E. FLORIDA LICENSE NUMBER 86446		<b>Kimley»Horn</b> © 2024 KIMLEY-HORN AND ASSOCIATES, INC.		Revisions No. Description 1 NOT FOR CONSTRUCTION		DATE	BY
----------------------------	--	---	--	--	--	--	--	---	--	---	--	--	--	------	----



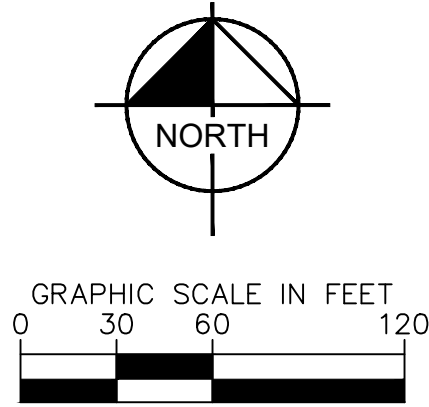
K:\sco\_sib\2422020000-levy county borrow pit\CAD\Shardsheet\009 BORROW PIT OVERALL GRADING PLAN.dwg, Layout: C10 BORROW PIT GRADING PLAN    Feb 18, 2025    jose.lopez

REF: Addendum 2422020000 Amend-001 drawing\plans\009 BORROW PIT OVERALL GRADING PLAN.dwg, Layout: C10 BORROW PIT GRADING PLAN    Feb 18, 2025    jose.lopez

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



KEY MAP



LEVY COUNTY  
BORROW PIT  
PREPARED FOR  
ANDERSON COLUMBIA

BORROW PIT  
GRADING PLAN

KHA PROJECT  
2422020000  
DATE  
FEBRUARY 2025  
SCALE AS SHOWN  
DESIGNED BY KHA  
DRAWN BY  
CHECKED BY

LICENSED PROFESSIONAL  
JOSE LOPEZ JR, P.E.  
FLORIDA LICENSE NUMBER  
86446

Kimley»Horn

© 2024 KIMLEY-HORN AND ASSOCIATES, INC.

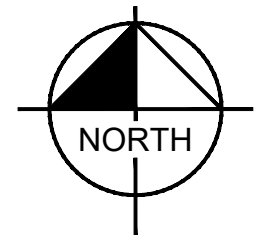
No.	REVISIONS	DATE	BY
1	NOT FOR CONSTRUCTION		

SHEET NUMBER  
C10





## KEY MAP

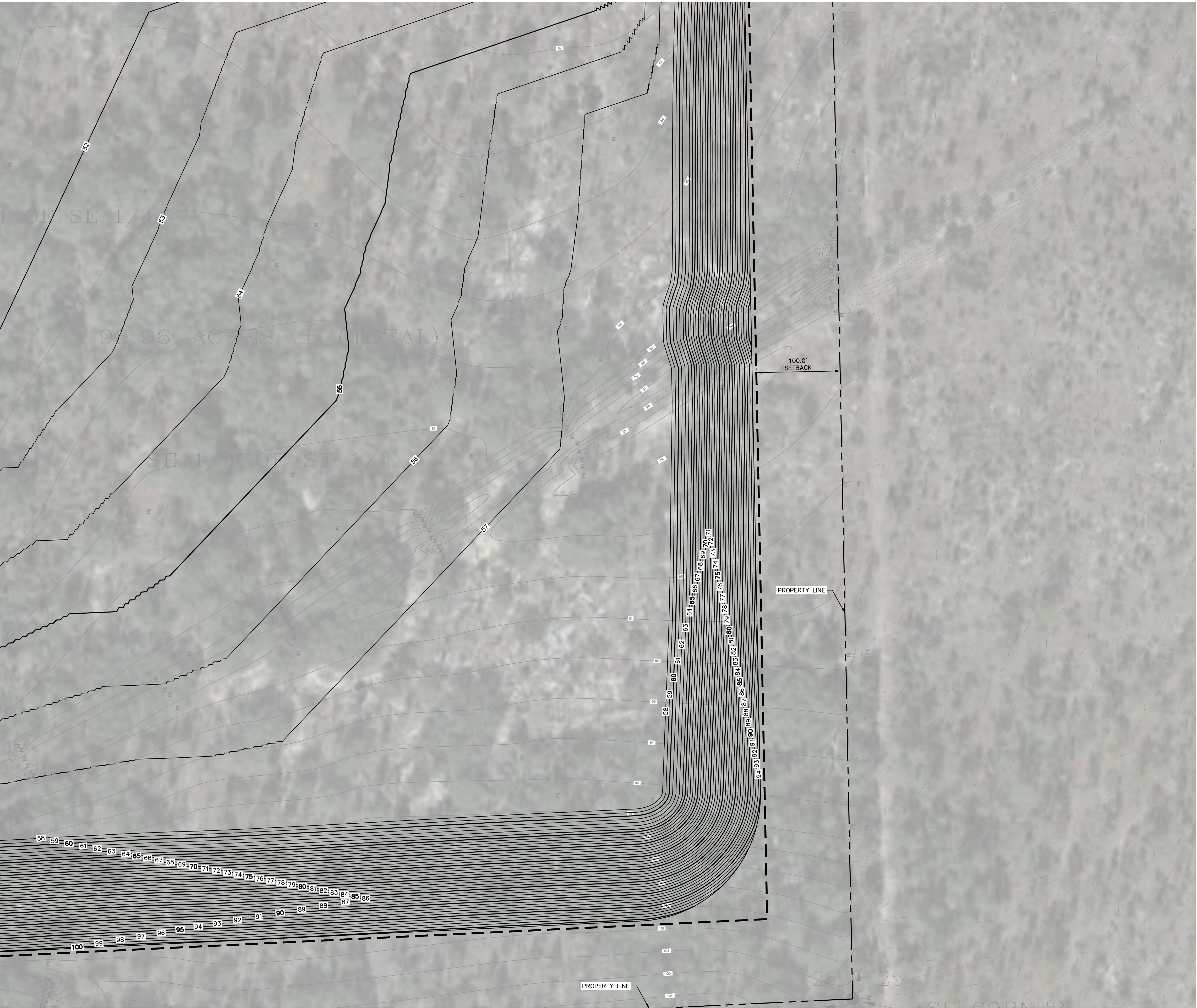


GRAPHIC SCALE IN FEET

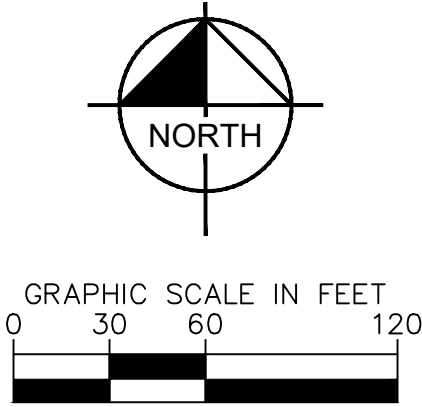
0 30 60 120

	LEVY COUNTY BORROW PIT PREPARED FOR ANDERSON COLUMBIA	BORROW PIT GRADING PLAN	KWA PROJECT 2420202000 DATE FEBRUARY 2025 SCALE AS SHOWN DESIGNED BY KHA DRAWN BY CHECKED BY	LICENSED PROFESSIONAL  JOSE LOPEZ JR., P.E. FLORIDA LICENSE NUMBER 86446	© 2024 KIMLEY-HORN AND ASSOCIATES, INC.	<b>Kimley»Horn</b>	No.	REVISIONS	DATE	BY
SHEET NUMBER <b>C11</b>	LEVY COUNTY FLORIDA						A	NOT FOR CONSTRUCTION		





## KEY MAP

[illegible]

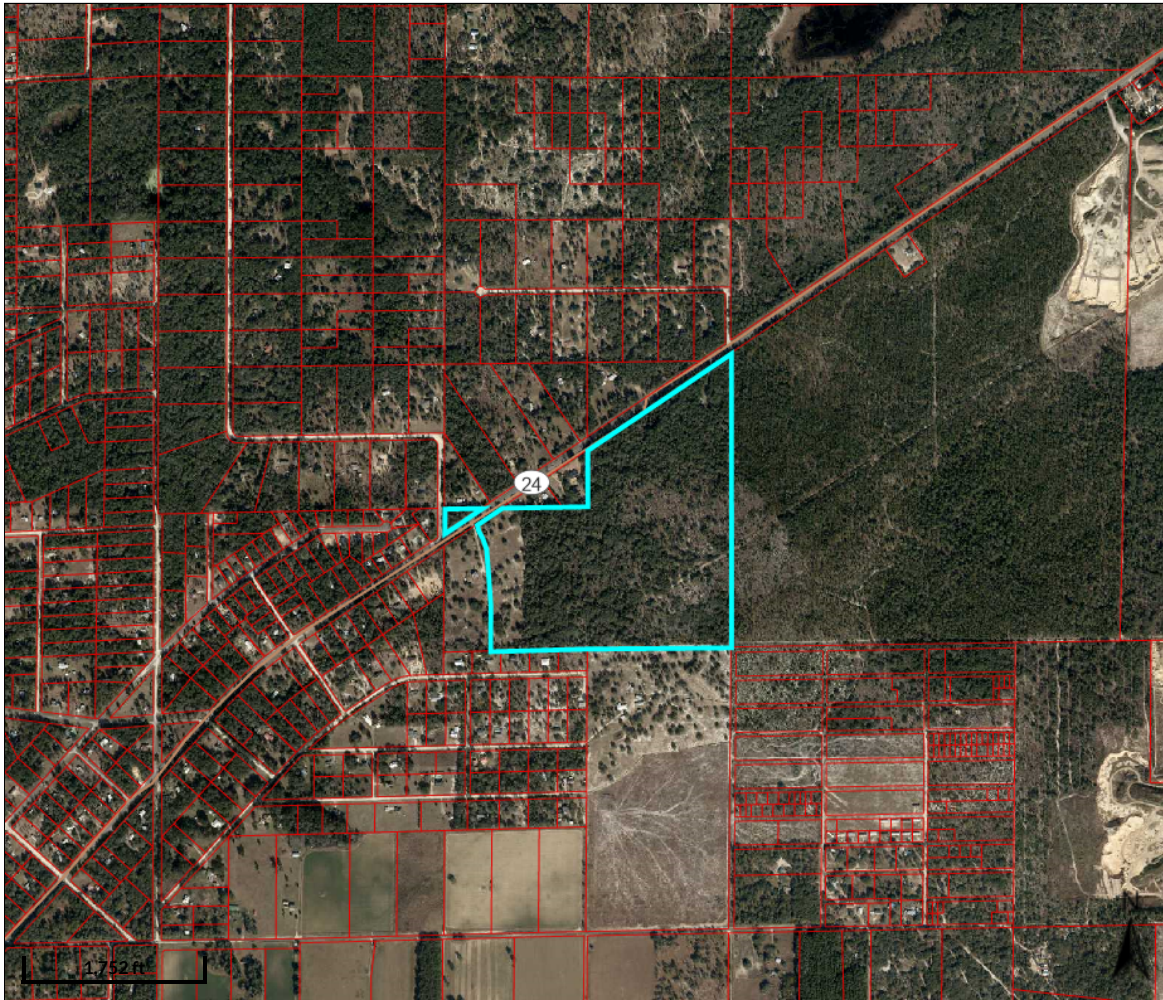




	SHEET NUMBER	C13
LEVY COUNTY BORROW PIT PREPARED FOR ANDERSON COLUMBIA LEVY COUNTY	FLORIDA	
CONSTRUCTION DETAILS		
KWA PROJECT 2420202000 DATE FEBRUARY 2025 SCALE AS SHOWN DESIGNED BY KHA DRAWN BY CHECKED BY	LICENSED PROFESSIONAL  JOSE LOPEZ JR., P.E.  FLORIDA LICENSE NUMBER 864446  DATE:	
<div>Kimley»Horn</div> <div>© 2024 KIMLEY-HORN AND ASSOCIATES, INC.</div>		
No.	NOT FOR CONSTRUCTION	REVISIONS
DATE	BY	



# Levy County, FL



## Overview



## Legend

-  Parcels
-  Roads
-  City Labels

<b>Parcel ID</b>	0322100200	<b>Physical Address</b>	11986 NE STATE ROAD 24 UNIT	<b>Building Value</b>	\$0	<b>Last 2 Sales</b>			
<b>Property Use</b>	6000 - PASTURE	<b>Address</b>	TOWER	<b>Extra Feature Value</b>	\$0	<b>Date</b>	<b>Price</b>	<b>Reason</b>	<b>Qual</b>
	LAND 1		ARCHER			n/a	0	n/a	n/a
<b>Taxing District</b>	SW FLORIDA WT MG	<b>Mailing Address</b>	JOHNS MILDRED M	<b>Market Land Value</b>	\$698,360	n/a	0	n/a	n/a
<b>Acres</b>	99.0		2795 SEMINOLE VILLAGE DR						
			MIDDLEBURG FL 32068-5825	<b>Ag Land Value</b>	\$74,100				
				<b>Just Value</b>	\$698,360				
				<b>Assessed Value</b>	\$74,100				
				<b>Taxable Value</b>	\$74,100				

Date created: 3/4/2024

Last Data Uploaded: 3/1/2024 7:47:18 PM

Developed by  **Schneider**  
GEOSPATIAL





**Figure 1: North**



**Figure 2: South**





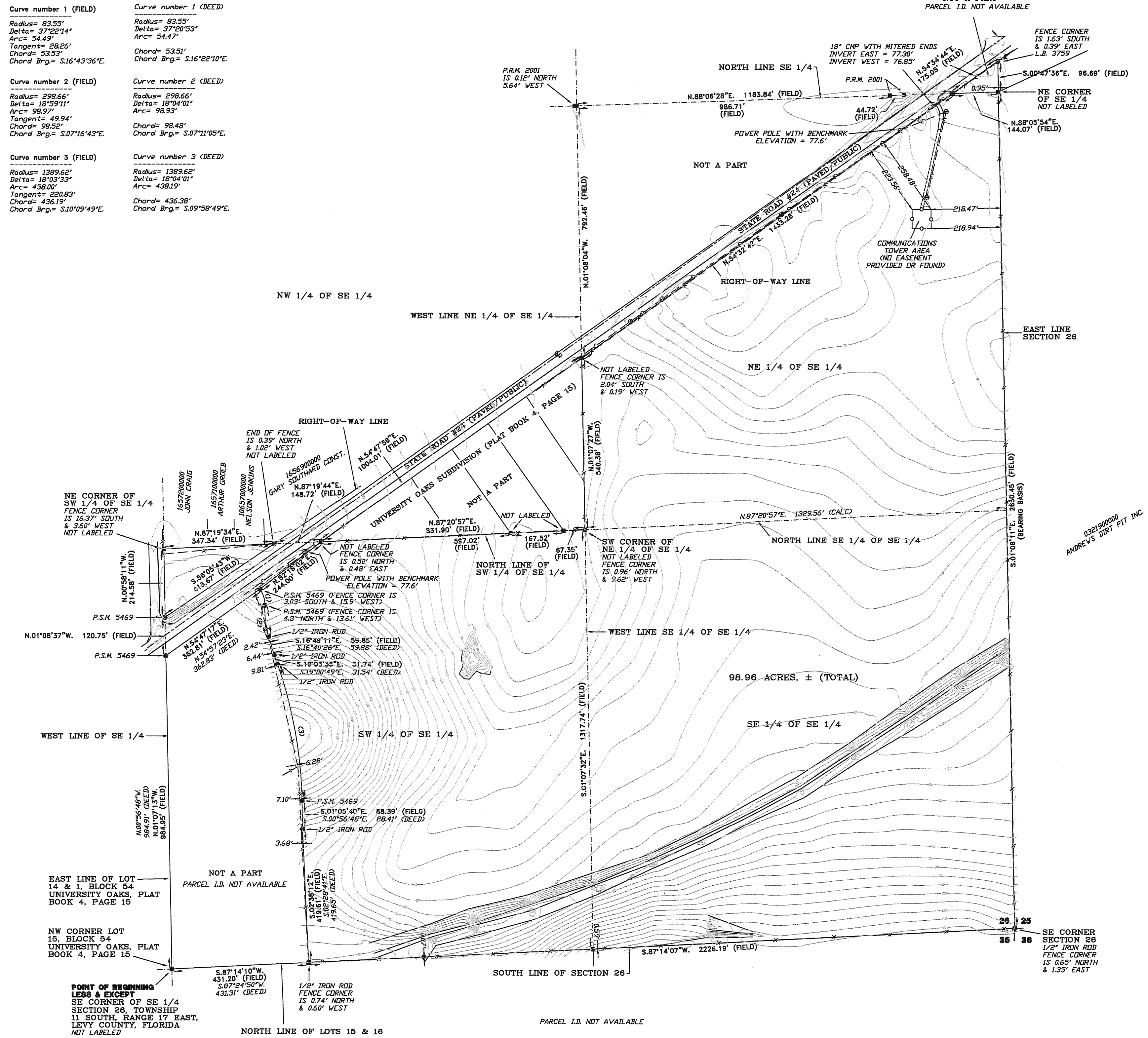
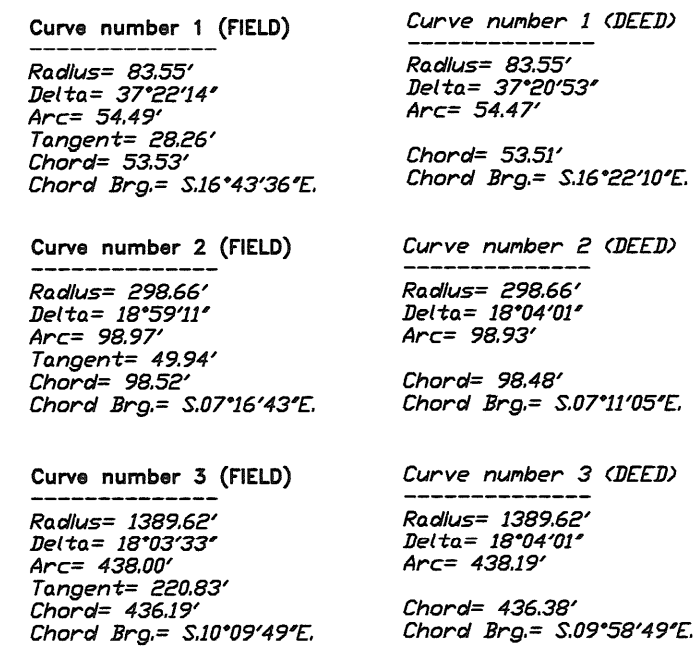
**Figure 3: East**



**Figure 4: West**

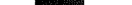


**A BOUNDARY & TOPOGRAPHIC SURVEY IN:**  
SECTION 26, TOWNSHIP 11 SOUTH, RANGE 17 EAST,  
LEVY COUNTY, FLORIDA



SYMBOL LEGEND:	
□	4"x4" CONCRETE MONUMENT FOUND
■	4"x4" CONCRETE MONUMENT SET
—	IRON PIPE FUND
—	IRON PIPE FOUND
—	CUT IN PAVEMENT
+	AIL & BOX
+	POWDER POLE
+	SDGN POST
+	WATER METER
+	UTILITY BOX
+	WELL
+	SANITARY MANHOLE
—	CENTERLINE
—	SECTION LINE
—	ELECTRIC LINES
—	WIRE FENCE
—	CHAIN LINK FENCE
—	WOODEN FENCE
GRAD	AS PER A PLAN OF RECORD
GRAD	AS PER A FIELD OF RECORD
GRAD	AS PER A CALCULATIONS
P.R.M.	PERMANENT REFERENCE MARKER
P.C.P.	PERMANENT CONTROL POINT

SCALE: 1" = 200'



0 50 100 200

GRAPHIC SCALE

[illegible]

**SURVEYER'S NOTES:**

1. BOUNDARY BASED ON MONUMENTATION FOUND.
2. BEARINGS AND DISTANCES ARE BASED ON A FIELD BEARING OF S 01°08'11" E, FOR EAST LINE SECTION 86.
3. IT IS APPARENT THAT THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RISK MAP, DATED 2 NOVEMBER, 2012 FROM THE NUMBER 1000 YEAR FLOOD PLAIN FLOOD INSURANCE RATE MAP AND ARE SUBJECT TO CHANGE.
4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATA FROM THE SURVEY AS SHOWN HEREIN.
5. IF THEY EXIST, NOT UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY.
6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.
7. DIMENSIONS SHOWN HEREIN ARE IN FEET AND DECIMAL PARTS THEREOF.
8. THIS SURVEY DOES NOT REFLECT OR DETERMINE OWNERSHIP.
9. THE ADJACENT OWNERSHIP INFORMATION AS SHOWN HEREIN IS BASED ON THE COUNTY PROPERTY APPRAISERS GIS SYSTEM AND THE TITLE COMMITMENT.
10. THE ELEVATIONS SHOWN HEREIN ARE BASED ON NAVD 86 DATUM.

**CERTIFIED TO:**  
**ANDERSON COLUMBIA CO. INC.**

FIELD BOOK: SEE PAGE(S): FILE  
JOB NUMBER: **L-29188**

**SURVEYOR'S CERTIFICATION:**

FIELD SURVEY DATE \_\_\_\_\_ DRAWING DATE \_\_\_\_\_  
L. SCOTT BRITT, P.S.M.  
CERTIFICATION # 5757

NOTE: UNLESS IT BEARS THE ORIGINAL SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

**BRITT SURVEYING  
& MAPPING, LLC**



LAND SURVEYORS AND MAPPERS, L.B. # 8016  
1438 SW MAIN BLVD,  
LAKE CITY, FLORIDA, 32025

TELEPHONE: (386) 752-7163 FAX: (386) 752-5573 [www.brittsurvey.com](http://www.brittsurvey.com)

SHEET  
1 OF 1



An Equal  
Opportunity  
Employer

## Southwest Florida Water Management District

**Bartow Service Office**  
170 Century Boulevard  
Bartow, Florida 33830-7700  
(863) 534-1448 or  
1-800-492-7862 (FL only)

**Sarasota Service Office**  
78 Sarasota Center Boulevard  
Sarasota, Florida 34240-9770  
(941) 377-3722 or  
1-800-320-3503 (FL only)

**Tampa Service Office**  
7601 Highway 301 North  
Tampa, Florida 33637-6759  
(813) 985-7481 or  
1-800-836-0797 (FL only)

2379 Broad Street, Brooksville, Florida 34604-6899  
(352) 796-7211 or 1-800-423-1476 (FL only)  
SUNCOM 628-4150 TDD only 1-800-231-6103 (FL only)  
*On the Internet at: WaterMatters.org*

February 17, 2025

Mildred Johns  
2795 Seminole Village Drive  
Middleburg, FL 32068

June Stoeber  
2795 Seminole Village Drive  
Middleburg, FL 32068

Subject: **Notice of Intended Agency Action - Approval  
ERP Individual Construction**

Project Name: Levy Borrow Pit  
App ID/Permit No: 894646 / 43047923.000  
County: Levy  
Sec/Twp/Rge: S26/T11S/R17E, S25/T11S/R17E

Dear Permittee(s):

The Southwest Florida Water Management District (District) has completed its review of the application for Environmental Resource Permit. Based upon a review of the information you have submitted, the District hereby gives notice of its intended approval of the application.

The File of Record associated with this application can be viewed at <http://www18.swfwmd.state.fl.us/erp/erp/search/ERPSearch.aspx> and is also available for inspection Monday through Friday, except for District holidays, from 8:00 a.m. through 5:00 p.m. at the District's Tampa Service Office, 7601 U.S. Highway 301 North, Tampa, Florida 33637.

If you have any questions or concerns regarding the application or any other information, please contact the Environmental Resource Permit Bureau in the Tampa Service Office.

Sincerely,

Robert E. McDaniel, P.E.  
Manager  
Environmental Resource Permit Bureau  
Regulation Division

cc: Anderson Columbia Co., Inc.  
Jose Lopez Jr, P.E., Kimley-Horn and Associates, Inc.



An Equal  
Opportunity  
Employer

## Southwest Florida Water Management District

2379 Broad Street, Brooksville, Florida 34604-6899  
(352) 796-7211 or 1-800-423-1476 (FL only)  
SUNCOM 628-4150 TDD only 1-800-231-6103 (FL only)  
On the Internet at: [WaterMatters.org](http://WaterMatters.org)

**Bartow Service Office**  
170 Century Boulevard  
Bartow, Florida 33830-7700  
(863) 534-1448 or  
1-800-492-7862 (FL only)

**Sarasota Service Office**  
78 Sarasota Center Boulevard  
Sarasota, Florida 34240-9770  
(941) 377-3722 or  
1-800-320-3503 (FL only)

**Tampa Service Office**  
7601 Highway 301 North  
Tampa, Florida 33637-6759  
(813) 985-7481 or  
1-800-836-0797 (FL only)

February 17, 2025

Mildred Johns  
2795 Seminole Village Drive  
Middleburg, FL 32068

June Stoeber  
2795 Seminole Village Drive  
Middleburg, FL 32068

Subject: **Notice of Agency Action - Approval  
ERP Individual Construction**

Project Name: Levy Borrow Pit  
App ID/Permit No: 894646 / 43047923.000  
County: Levy  
Sec/Twp/Rge: S26/T11S/R17E, S25/T11S/R17E

Dear Permittee(s):

The Southwest Florida Water Management District (District) is in receipt of your application for the Environmental Resource Permit. Based upon a review of the information you submitted, the application is approved.

Please refer to the attached Notice of Rights to determine any legal rights you may have concerning the District's agency action on the permit application described in this letter.

If approved construction plans are part of the permit, construction must be in accordance with these plans. These drawings are available for viewing or downloading through the District's Application and Permit Search Tools located at [www.WaterMatters.org/permits](http://www.WaterMatters.org/permits).

The District's action in this matter only becomes closed to future legal challenges from members of the public if such persons have been properly notified of the District's action and no person objects to the District's action within the prescribed period of time following the notification. The District does not publish notices of agency action. If you wish to limit the time within which a person who does not receive actual written notice from the District may request an administrative hearing regarding this action, you are strongly encouraged to publish, at your own expense, a notice of agency action in the legal advertisement section of a newspaper of general circulation in the county or counties where the activity will occur. Publishing notice of agency action will close the window for filing a petition for hearing. Legal requirements and instructions for publishing notices of agency action, as well as a noticing form that can be used, are available from the District's website at [www.WaterMatters.org/permits/noticing](http://www.WaterMatters.org/permits/noticing). If you publish notice of agency action, a copy of the affidavit of publication provided by the newspaper should be sent to the District's Tampa Service Office for retention in this permit's File of Record.

If you have any questions or concerns regarding your permit or any other information, please contact the Environmental Resource Permit Bureau in the Tampa Service Office.

Sincerely,

Robert E. McDaniel, P.E.  
Manager  
Environmental Resource Permit Bureau  
Regulation Division

Enclosures:   Approved Permit w/Conditions Attached  
                  [As-Built Certification and Request for Conversion to Operation Phase](#)  
                  Notice of Authorization to Commence Construction  
                  Notice of Rights  
cc:             Anderson Columbia Co., Inc.  
                  Jose Lopez Jr, P.E., Kimley-Horn and Associates, Inc.



**SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT  
ENVIRONMENTAL RESOURCE  
INDIVIDUAL CONSTRUCTION  
PERMIT NO. 43047923.000**

**EXPIRATION DATE:** February 17, 2030

**PERMIT ISSUE DATE:** February 17, 2025

This permit is issued under the provisions of Chapter 373, Florida Statutes, (F.S.), and the Rules contained in Chapter 62-330, Florida Administrative Code, (F.A.C.). The permit authorizes the Permittee to proceed with the construction of a surface water management system in accordance with the information outlined herein and shown by the application, approved drawings, plans, specifications, and other documents, attached hereto and kept on file at the Southwest Florida Water Management District (District). Unless otherwise stated by permit specific condition, permit issuance constitutes certification of compliance with state water quality standards under Section 401 of the Clean Water Act, 33 U.S.C. 1341. All construction, operation and maintenance of the surface water management system authorized by this permit shall occur in compliance with Florida Statutes and Administrative Code and the conditions of this permit.

**PROJECT NAME:** Levy Borrow Pit

**GRANTED TO:** Mildred Johns  
2795 Seminole Village Drive  
Middleburg, FL 32068

**OTHER PERMITTEES:** June Stoeber  
2795 Seminole Village Drive  
Middleburg, FL 32068

**ABSTRACT:** This permit authorization is for excavation of a 68.02-acre borrow pit project. The Engineer-of-Record has demonstrated that the borrow pit will completely retain contributing runoff from the 100-year, 24-hour storm event. The project is located southwest of the intersection of NE 115th Avenue and State Road 24, Levy County.

**OP. & MAIN. ENTITY:** Mildred Johns

**OTHER OP. & MAIN. ENTITY:** June Stoeber

**COUNTY:** Levy

**SEC/TWP/RGE:** S26/T11S/R17E, S25/T11S/R17E

**TOTAL ACRES OWNED**

**OR UNDER CONTROL:** 197.92

**PROJECT SIZE:** 97.99 Acres

**LAND USE:** Mining

**DATE APPLICATION FILED:** July 03, 2024

**AMENDED DATE:** N/A

### I. Water Quantity/Quality

POND No.	Area Acres @ Top of Bank	Treatment Type
Pit	68.02	NO TREATMENT SPECIFIED
	Total: <b>68.02</b>	

Water Quantity/Quality Comment: The proposed construction activities include the excavation of a new borrow pit. The Engineer-of-Record has demonstrated that there will be no adverse impacts. The plans and calculations reflect the North American Vertical Datum of 1988 (NAVD 88).

A mixing zone is not required.

A variance is not required.

### II. 100-Year Floodplain

Encroachment (Acre-Feet of fill)	Compensation (Acre-Feet of excavation)	Compensation Type	Encroachment Result* (feet)
0.00	0.00	No Encroachment	N/A

Floodplain Comment: The project proposes no fill placement within a known 100-year riverine floodplain or depression storage areas associated with 100-year riverine floodplain.

\*Depth of change in flood stage (level) over existing receiving water stage resulting from floodplain encroachment caused by a project that claims Minimal Impact type of compensation.

### III. Environmental Considerations

No wetlands or other surface waters exist within the project area.

## Specific Conditions

1. If the ownership of the project area covered by the subject permit is divided, with someone other than the Permittee becoming the owner of part of the project area, this permit may be terminated, unless the terms of the permit are modified by the District or the permit is transferred pursuant to Rule 40D-1.6105, F.A.C. In such situations, each land owner shall obtain a permit (which may be a modification of this permit) for the land owned by that person. This condition shall not apply to the division and sale of lots or units in residential subdivisions or condominiums.
2. The Permittee shall retain the design professional registered or licensed in Florida, to conduct on-site observations of construction and assist with the as-built certification requirements of this project. The Permittee shall inform the District in writing of the name, address and phone number of the design professional so employed. This information shall be submitted prior to construction.
3. If limestone bedrock is encountered during construction of the stormwater management system, the District must be notified and construction in the affected area shall cease.
4. The Permittee shall notify the District of any sinkhole development in the stormwater management system within 48 hours of discovery and must submit a detailed sinkhole evaluation and repair plan for approval by the District within 30 days of discovery.
5. The Permitted Plan Set for this project includes the set received by the District on September 4, 2024.
6. District staff must be notified in advance of any proposed construction dewatering. If the dewatering activity is likely to result in offsite discharge or sediment transport into wetlands or surface waters, a written dewatering plan must either have been submitted and approved with the permit application or submitted to the District as a permit prior to the dewatering event as a permit modification. A water use permit may be required prior to any use exceeding the thresholds in Chapter 40D-2, F.A.C.
7. Off-site discharges during construction and development shall be made only through the facilities authorized by this permit. Water discharged from the project shall be through structures having a mechanism suitable for regulating upstream stages. Stages may be subject to operating schedules satisfactory to the District.
8. The permittee shall complete construction of all aspects of the stormwater management system, including wetland compensation (grading, mulching, planting), water quality treatment features, and discharge control facilities prior to beneficial occupancy or use of the development being served by this system.
9. The following shall be properly abandoned and/or removed in accordance with the applicable regulations:
  - a. Any existing wells in the path of construction shall be properly plugged and abandoned by a licensed well contractor.
  - b. Any existing septic tanks on site shall be abandoned at the beginning of construction.
  - c. Any existing fuel storage tanks and fuel pumps shall be removed at the beginning of construction.
10. All stormwater management systems shall be operated to conserve water in order to maintain environmental quality and resource protection; to increase the efficiency of transport, application and use; to decrease waste; to minimize unnatural runoff from the property and to minimize dewatering of offsite property.
11. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the occupation of the site or operation of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.
12. This permit is valid only for the specific processes, operations and designs indicated on the approved drawings or exhibits submitted in support of the permit application. Any substantial deviation from the approved drawings, exhibits, specifications or permit conditions, including construction within the total land area but outside the

approved project area(s), may constitute grounds for revocation or enforcement action by the District, unless a modification has been applied for and approved. Examples of substantial deviations include excavation of ponds, ditches or sump areas deeper than shown on the approved plans.

13. This permit does not authorize the Permittee to cause any adverse impact to or "take" of state listed species and other regulated species of fish and wildlife. Compliance with state laws regulating the take of fish and wildlife is the responsibility of the owner or applicant associated with this project. Please refer to Chapter 68A-27 of the Florida Administrative Code for definitions of "take" and a list of fish and wildlife species. If listed species are observed onsite, FWC staff are available to provide decision support information or assist in obtaining the appropriate FWC permits. Most marine endangered and threatened species are statutorily protected and a "take" permit cannot be issued. Requests for further information or review can be sent to [FWCConservationPlanningServices@MyFWC.com](mailto:FWCConservationPlanningServices@MyFWC.com).
14. A "Recorded notice of Environmental Resource Permit," Form No. 62-330.090(1), shall be recorded in the public records of the County(s) where the project is located.

#### **GENERAL CONDITIONS**

1. The general conditions attached hereto as Exhibit "A" are hereby incorporated into this permit by reference and the Permittee shall comply with them.

**Robert E. McDaniel, P.E.**

---

Authorized Signature



## EXHIBIT A

### GENERAL CONDITIONS:

- 1 The following general conditions are binding on all individual permits issued under this chapter, except where the conditions are not applicable to the authorized activity, or where the conditions must be modified to accommodate, project-specific conditions.
  - a. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with Rule 62-330.315, F.A.C., or the permit may be revoked and the permittee may be subject to enforcement action.
  - b. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase, and shall be available for review at the work site upon request by the Agency staff. The permittee shall require the contractor to review the complete permit prior to beginning construction.
  - c. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to, and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the *State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation, July 2013)*, and the *Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Division of Environmental Assessment and Restoration, Tallahassee, Florida, October 2018)*, which are both incorporated by reference in subparagraph 62-330.350(1)(c), F.A.C., unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.
  - d. At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice,"[effective date], incorporated by reference herein (<http://www.flrules.org/Gateway/reference.asp?No=Ref-02505> ), indicating the expected start and completion dates. A copy of this form may be obtained from the Agency, as described in subsection 62-330.010(5),F.A.C. However, for activities involving more than one acre of construction that also require a NPDES stormwater construction general permit, submittal of the Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Activities, DEP Form 62-621.300(4)(b), shall also serve as notice of commencement of construction under this chapter and, in such a case, submittal of Form 62-330.350(1) is not required.
  - e. Unless the permit is transferred under Rule 62-330.340, F.A.C., or transferred to an operating entity under Rule 62-330.310, F.A.C., the permittee is liable to comply with the plans, terms and conditions of the permit for the life of the project or activity.
  - f. Within 30 days after completing construction of the entire project, or any independent portion of the project, the permittee shall provide the following to the Agency, as applicable:
    1. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex - "Construction Completion and Inspection Certification for Activities Associated with a Private Single-Family Dwelling Unit" [Form 62-330.310(3)]; or
    2. For all other activities - As-Built drawings with "As-Built Certification and Request for Conversion to Operation Phase" [Form 62-330.310(1)].
    3. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form .
  - g. If the final operation and maintenance entity is a third party:

1. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as- built certification, whichever comes first, the permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.4 of Volume I) as filed with the Department of State, Division of Corporations and a copy of any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the County in which the activity is located.
  2. Within 30 days of submittal of the as- built certification, the permittee shall submit "Request for Transfer of Environmental Resource Permit to the Perpetual Operation and Maintenance Entity" [Form 62-330.310 (2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.
- h. The permittee shall notify the Agency in writing of changes required by any other regulatory agency that require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.
- i. This permit does not:
1. Convey to the permittee any property rights or privileges, or any other rights or privileges other than those specified herein or in Chapter 62-330, F.A.C.;
  2. Convey to the permittee or create in the permittee any interest in real property;
  3. Relieve the permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or
  4. Authorize any entrance upon or work on property that is not owned, held in easement, or controlled by the permittee.
- j. Prior to conducting any activities on state-owned submerged lands or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, the permittee must receive all necessary approvals and authorizations under Chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.
- k. The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any project authorized by the permit.
- l. The permittee shall notify the Agency in writing:
1. Immediately if any previously submitted information is discovered to be inaccurate; and
  2. Within 30 days of any conveyance or division of ownership or control of the property or the system, other than conveyance via a long-term lease, and the new owner shall request transfer of the permit in accordance with Rule 62-330.340, F.A.C. This does not apply to the sale of lots or units in residential or commercial subdivisions or condominiums where the stormwater management system has been completed and converted to the operation phase.
- m. Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.
- n. If any prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures, or early

colonial or American settlement are encountered at any time within the project site area, work involving subsurface disturbance in the immediate vicinity of such discoveries shall cease. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance and Review Section, at (850) 245-6333 or (800) 847-7278, as well as the appropriate permitting agency office. Such subsurface work shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and notification shall be provided in accordance with Section 872.05, F.S. (2012).

- o. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under Rule 62-330.201, F.A.C., provides otherwise.
  - p. The permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require a permit under Chapter 62-330, F.A.C., or cause violations of state water quality standards.
  - q. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.
  - r. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with Rule 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.
2. In addition to those general conditions in subsection (1) above, the Agency shall impose any additional project-specific special conditions necessary to assure the permitted activities will not be harmful to the water resources, as set forth in Rules 62-330.301 and 62-330.302, F.A.C., Volumes I and II, as applicable, and the rules incorporated by reference in this chapter.

SOUTHWEST FLORIDA  
WATER MANAGEMENT DISTRICT

NOTICE OF  
**AUTHORIZATION**  
TO COMMENCE CONSTRUCTION

Levy Borrow Pit

PROJECT NAME

Mining

PROJECT TYPE

Levy

COUNTY

S26/T11S/R17E, S25/T11S/R17E

SEC(S)/TWP(S)/RGE(S)

Mildred Johns

PERMITTEE

See permit for additional permittees

APPLICATION ID/PERMIT NO: 894646 / 43047923.000

DATE ISSUED: February 17, 2025



Robert E. McDaniel, P.E.

Issuing Authority

THIS NOTICE SHOULD BE CONSPICUOUSLY  
DISPLAYED AT THE SITE OF THE WORK



## **Notice of Rights**

### **ADMINISTRATIVE HEARING**

1. You or any person whose substantial interests are or may be affected by the District's intended or proposed action may request an administrative hearing on that action by filing a written petition in accordance with Sections 120.569 and 120.57, Florida Statutes (F.S.), Uniform Rules of Procedure Chapter 28-106, Florida Administrative Code (F.A.C.) and District Rule 40D-1.1010, F.A.C. Unless otherwise provided by law, a petition for administrative hearing must be filed with (received by) the District within 21 days of receipt of written notice of agency action. "Written notice" means either actual written notice, or newspaper publication of notice, that the District has taken or intends to take agency action. "Receipt of written notice" is deemed to be the fifth day after the date on which actual notice is deposited in the United States mail, if notice is mailed to you, or the date that actual notice is issued, if sent to you by electronic mail or delivered to you, or the date that notice is published in a newspaper, for those persons to whom the District does not provide actual notice.
2. Pursuant to Subsection 373.427(2)(c), F.S., for notices of intended or proposed agency action on a consolidated application for an environmental resource permit and use of state-owned submerged lands concurrently reviewed by the District, a petition for administrative hearing must be filed with (received by) the District within 14 days of receipt of written notice.
3. Pursuant to Rule 62-532.430, F.A.C., for notices of intent to deny a well construction permit, a petition for administrative hearing must be filed with (received by) the District within 30 days of receipt of written notice of intent to deny.
4. Any person who receives written notice of an agency decision and who fails to file a written request for a hearing within 21 days of receipt or other period as required by law waives the right to request a hearing on such matters.
5. Mediation pursuant to Section 120.573, F.S., to settle an administrative dispute regarding District intended or proposed action is not available prior to the filing of a petition for hearing.
6. A request or petition for administrative hearing must comply with the requirements set forth in Chapter 28-106, F.A.C. A request or petition for a hearing must: (1) explain how the substantial interests of each person requesting the hearing will be affected by the District's intended action or proposed action, (2) state all material facts disputed by the person requesting the hearing or state that there are no material facts in dispute, and (3) otherwise comply with Rules 28-106.201 and 28-106.301, F.A.C. Chapter 28-106, F.A.C. can be viewed at [www.flrules.org](http://www.flrules.org) or at the District's website at [www.WaterMatters.org/permits/rules](http://www.WaterMatters.org/permits/rules).
7. A petition for administrative hearing is deemed filed upon receipt of the complete petition by the District Agency Clerk at the District's Tampa Service Office during normal business hours, which are 8:00 a.m. to 5:00 p.m., Monday through Friday, excluding District holidays. Filings with the District Agency Clerk may be made by mail, hand-delivery or facsimile transfer (fax). The District does not accept petitions for administrative hearing by electronic mail. Mailed filings must be addressed to, and hand-delivered filings must be delivered to, the Agency Clerk, Southwest Florida Water Management District, 7601 Highway 301 North, Tampa, FL 33637-6759. Faxed filings must be transmitted to the District Agency Clerk at (813) 367-9788. Any petition not received during normal business hours shall be filed as of 8:00 a.m. on the next business day. The District's acceptance of faxed petitions for filing is subject to certain conditions set forth in the District's Statement of Agency Organization and Operation, available for viewing at [www.WaterMatters.org/about](http://www.WaterMatters.org/about).

## **JUDICIAL REVIEW**

1. Pursuant to Sections 120.60(3) and 120.68, F.S., a party who is adversely affected by District action may seek judicial review of the District's action. Judicial review shall be sought in the Fifth District Court of Appeal or in the appellate district where a party resides or as otherwise provided by law.
2. All proceedings shall be instituted by filing an original notice of appeal with the District Agency Clerk within 30 days after the rendition of the order being appealed, and a copy of the notice of appeal, accompanied by any filing fees prescribed by law, with the clerk of the court, in accordance with Rules 9.110 and 9.190 of the Florida Rules of Appellate Procedure (Fla. R. App. P.). Pursuant to Fla. R. App. P. 9.020(h), an order is rendered when a signed written order is filed with the clerk of the lower tribunal.



February 18, 2025

Ms. Tara Howell  
Director  
Levy County Planning and Zoning  
320 Mongo Street  
Bronson, FL 32621

**RE:    *Levy County Borrow Pit; Response to Comments  
Special Exemption Application No. 24-01  
Kimley-Horn Project No. 242202000***

Dear Mr. Carswell:

Kimley-Horn and Associates, Inc. received comments dated October 2024, for the above referenced project. Below are the comments and associated responses:

Traffic Study

1. Requested revisions appear to have been made.

***Response: Acknowledged, thank you.***

Site Plans

2. Text size of the contour elevation labels still are difficult to read.

***Response: The contour elevation labels have been enlarged for clarity, please refer to sheet C02 of the revised plans.***

3. Excavation depth is indicated to be to an elevation of 51 feet which is one foot above the estimate aquifer potentiometric surface elevation estimated at 50 feet or above the clay layer defined as confining in the geotechnical report. This depth of excavation extends below the estimated seasonal high-water table which appears to be at the top of the clayey sand layer. Therefore, the proposed excavation extends well below the seasonal high-water table by as much as 20 feet in some areas. Please address this more in the application report.

***Response: The absolute maximum depth of excavation has been revised to elevation 52.00 to add a buffer between the bottom of excavation and the potentiometric surface elevation. Based on the geotechnical report, the average estimated seasonal high ground water table (ESHGWT) is at elevation 64.00***

- a. Please add to the Mining Impact Assessment Report how this will affect the ground water quantity and quality and how the aquifer will be protected as required by code section 50-579(4)(c)

***Response: Additional information has been provided in the "Stormwater Management" portion of the Mining Assessment Report to address ground water***

**quantity and quality.**

- b. Will this create a pond (seasonally or permanent)? If so please, address the slope requirement in code section 50-579(2)(f) in the plan.

**Response: Based on the geotechnical report, the groundwater table is expected to lower as excavation beyond the ESHGWT show in the Geotechnical Report. Thus, it is expected that the site may experience seasonal ponding in the locations of deepest excavation. This statement will be included in the Stormwater Management section of the Mining Assessment Report.**

- c. Will dewatering be required? If so please describe how it will be accomplished.

**Response: Dewatering is not anticipated currently. Should dewatering be needed, the proper permits and approvals will be sought.**

4. Please add a typical section showing the side slopes proposed and show where it would be applied in a plan view. The side slopes of the excavation are not shown in the cross sections. The slopes only appear to be indicated in the application report.

**Response: A typical section has been added, please refer to sheet C04 of the revised plans.**

5. Please provide a plan view of the proposed excavation grades.

**Response: Sheets have been added to depict the ultimate grading of the site assuming the contractor mines to the maximum permissible depth as seen in sheets C04, C05, C06, and C07.**

6. The geometry of the entrance is not defined in the plans.

**Response: Driveway geometry has been added to the plans, please refer to sheet C03 of the revised plans.**

7. The berm detail on sheet C03 indicates a height of 7 feet. The narrative in the reports indicates 8 feet. Please make them consistent.

**Response: The narrative in the report has been revised to reflect a 7-foot high berm.**

Mining Assessment Report

8. Water Use

- a. Please estimate the volume of water that will be used and the source of it.

**Response: It is estimated that an average of five 2,000-gallon water trucks will be needed daily for dust mitigation. Truck will be filled at a off-site location with clean, non-contaminated water. Note that the number of water trucks needed will vary based on excavation activity, weather conditions, etc.**

- b. What effects that the proposed excavation below the seasonal high water table might have on the groundwater and how it will be protected.



***Response: The effects of mining activities below the ESHGWT are expected to be negligible. Additionally, the contractor has measures in place to control any contamination due to leaking excavation equipment. Please refer to the “ACCI Best Management Practices for Project Spills” section located in the appendix of the Mining Assessment Report.***

9. Stormwater

- a. Discuss what effect the excavation depth to a level below the seasonal high water table might have on runoff quantities, quality and other impacts that it might have.

***Response: Based on the proposed grading characteristics of the site, existing runoff quantities flowing into the site will be maintained as to not create a flooding situation upland of the site. Furthermore, since the site is being excavated, the amount of stormwater runoff storage is increasing which will serve to greatly decrease any existing runoff flowing off-site. Impacts to water quality are negligible as virtually no impervious areas are being proposed on-site.***

10. Grading

- a. The final grades should not exceed 3h:1v. when dry or 4h:1v if extends below the average water table to a depth of at least 6 feet and then no greater than 2h:1v

***Response: A typical section has been added depicting the required slopes, please refer to sheet C09 of the revised plans.***

- b. Will ponding occur since excavation below the seasonal high water table is proposed.

***Response: Based on the geotechnical report, the groundwater table is expected to lower as excavation beyond the ESHGWT show in the Geotechnical Report. Thus, it is expected that the site may experience seasonal ponding in the locations of deepest excavation. This statement will be included in the Stormwater Management section of the Mining Assessment Report.***

11. Operation

- a. Hours indicated here are different than those in the cover letter. Please make them consistent.

***Response: The hours of operation have been revised to be from sunrise to sunset***

12. Reclamation

- a. Please be more specific about what will be done to reclaim the site and any future use of the site.

***Response: The Reclamation section of the report has been revised to provide an expanded and more specific plan. This is also reflected in the plan set.***

Stormwater Report

- 13. The provided stormwater report does not address the effect of the excavation below the seasonal

high water table and does not provide any calculation to demonstrate that the site runoff is contained in the excavation. Please address.

***Response: The report has been revised to discuss the anticipated effects of mining below the ESHGWT. Additional calculations have been included in the Drainage Report to demonstrate stage-storage calculations.***

Section 50-759: Mining

14. Subsection (d): Environmental impacts.

- a. The mining operations shall not adversely impact surface waters, including springs, rivers, tributaries in quantity or quality; aquifers in quantity or quality; existing dumpsites, landfills, effluent disposal areas or public water supply wellheads. **The applicant proposed to mine below the Estimated Seasonal High Water Table Line (“ESHWTL”). The applicant has not provided any documentation and/or proof that mining below the ESHWTL will not cause any environmental impacts. The applicant must provide documentation, based upon best engineering data, that mining below the ESHWTL will not cause any environmental impacts.**

***Response: The negative environmental effects of mining activities below the ESHGWT are not expected as no environmentally harmful chemicals will be used during the proposed mining operations, the contractor has measures in place to control any contamination due to leaking excavation equipment, and no blasting nor explosives will be used. Please refer to the “ACCI Best Management Practices for Project Spills” section located in the appendix of the Mining Assessment Report. The only physical impact to the site will be the removal of minable material which does not pose a negative environmental effect to the ESHWTL. Furthermore, mining will not penetrate the any confining layers as described in the Geotechnical Report for which only borings SB-04 and SB-05 were the only boring to encounter a confining layer.***

15. Subsection (F): Slope requirements.

- a. Sides of reclaimed limestone, shell and dolomite mines must provide a shore line slope consistent with the latest regulations of the department of environmental protection bureau of mine reclamation. Sand, clay or dirt borrow pits shall be left with side slopes not steeper than one foot vertical for each three foot horizontal measurement, or the slope requirement provision of the state agency issuing the environmental resource permit. Excavations which extend below the water table shall be left with side slopes not steeper than one foot vertical for each four foot horizontal measurement to a depth at least six feet below the average water level and no greater than one foot vertical for each two feet horizontal measurement six feet below the average water level.

***Response: A typical section has been added depicting the required slopes, please refer to sheet C09 of the revised plans.***

16. Subsection (h): Reclamation plan.

- a. A reclamation plan shall be prepared which meets the requirements of state agencies. The

plan shall include timeframes for implementation and the anticipated future use of the site. **The applicant makes a blanket statement about reclamation; however, does not provide a reclamation plan. The applicant must provide a reclamation plan which includes, timeframes for implementation, anticipated future uses, and grading plan in accordance with subsection (f) above.**

***Response: The Reclamation section of the report has been revised to provide an expanded and more specific plan. This is also reflected in the plan set.***

17. The applicant has provided a Mining Impact Assessment Report in accordance with Section 50-759(4) of the Levy County LDRs; however, the Mining Impact Assessment Report must be revised to include additional data, justification, and clarification on how the application meets the criteria in said Section 50-759(4), i.e. Reclamation, Environmental Impacts, and any addition section that may need to be revised based upon revised and/or additional data.

***Response: Acknowledged, all submitted documents will be revised to address the comments noted.***

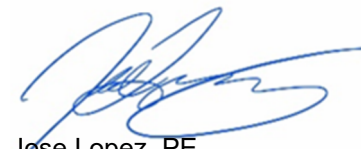
18. Section 50-759(6): Liability for mining operations; financial surety required. While not a requirement of approval; should the Special Exception for the Borrow Pit be approved, approval should be subject to providing a financial surety instrument in accordance with said Section 50-759(6) of the LDRs.

***Response: Acknowledged, financial surety will be provided as per Levy County Code.***

We trust these responses will provide the additional information as requested. Please feel free to contact our office if you have any questions.

Sincerely,

**KIMLEY-HORN**



Jose Lopez, PE

JAL/jam

Attachments: Revised Cover Letter; Revised Plans; Revised Mining Assessment Report; Revised Drainage Report

Cc: File

K:\OCA\_Civil\242202000-Levy County Borrow Pit\doc\RL\cbocc250130\jal.docx



# NFPS



PO BOX 3823  
LAKE CITY, FL 32056



PHONE (386) 752-4675  
FAX (386) 752-4674



[www.nfps.net](http://www.nfps.net)

APRIL 7, 2025

## DATA, ANALYSIS, AND CONCURRENCY REPORT

FOR SE 24-01

Application for Special Exception  
Approval for Anderson Columbia Co., Inc.

Prepared for:



Levy County  
Planning & Zoning Board &  
Board of County Commissioners

Applicant/Agent:

Anderson Columbia Co., Inc., agent for  
Mildred M. Johns & June R. Stoeber, owners

Prepared by:



Brandon M. Stubbs, Planning & Grants Manager  
North Florida Professional Services, Inc.





## General Project Information

**SUBJECT:** SE 24-01 – A request for Special Exception for a mining operation (borrow pit) with no blasting or fracking in accordance with Section 50-759 of the Land Development Code, located in an Agriculture/Rural Residential (“A/RR”) Land Use and Zoning District. The subject property contains approximately 99 acres, more or less, as described by metes and bounds legal description, and is currently vacant and planted in pines. The subject property is located at: 11986 NE State Road 24, Levy County, Florida 32618. Tax Parcel Number: 0322100200. Section 27, Township 11 South, Range 17 East, Levy County, Florida.

**APPLICANT/AGENT:** Zeb Cheshire, Attorney for Anderson Columbia Co., Inc.

**PROPERTY OWNER(S):** Mildred Johns & June Stoeber

**LOCATION:** North of University Oaks Subdivision, Oakdale Heights Subdivision, Single-Family Residences, and Agricultural Lands; South of NE State Road 24, Forest Park Unit 3 Subdivision, NE 116<sup>th</sup> Ave, Agricultural Lands, and Single-Family Residences; East of University Oaks Subdivision, Agricultural Lands, and Single-Family Residences; West of Vacant Agricultural Lands and Andrews Dirt Mine (Borrow Pit); Levy County, Florida.

**PARCEL ID NUMBER(S):** 032210002000

**ACREAGE:** ±99-Acres

**EXISTING FLUM** Agriculture/Rural Residential (“A/RR”)

**EXISTING ZONING** Agriculture/Rural Residential (“A/RR”)

**PROJECT PLANNER:** Brandon M. Stubbs, Planning & Grants Manager, North Florida Professional Services

## SUMMARY

The applicant is requesting a Special Exception to allow for mining operation (borrow pit) without blasting or fracking in accordance with Section 50-759 of the Land Development Code, located in an Agriculture/Rural Residential ("A/RR") Land Use and an Agriculture/Rural Residential ("A/RR") Zoning District. The subject property contains approximately 99 acres, more or less, as described by metes and bounds legal description, and is currently vacant and planted in pines. The subject property is located at: 11986 NE State Road 24, Levy County, Florida 32618. Tax Parcel Number: 0322100200. Section 27, Township 11 South, Range 17 East, Levy County, Florida.

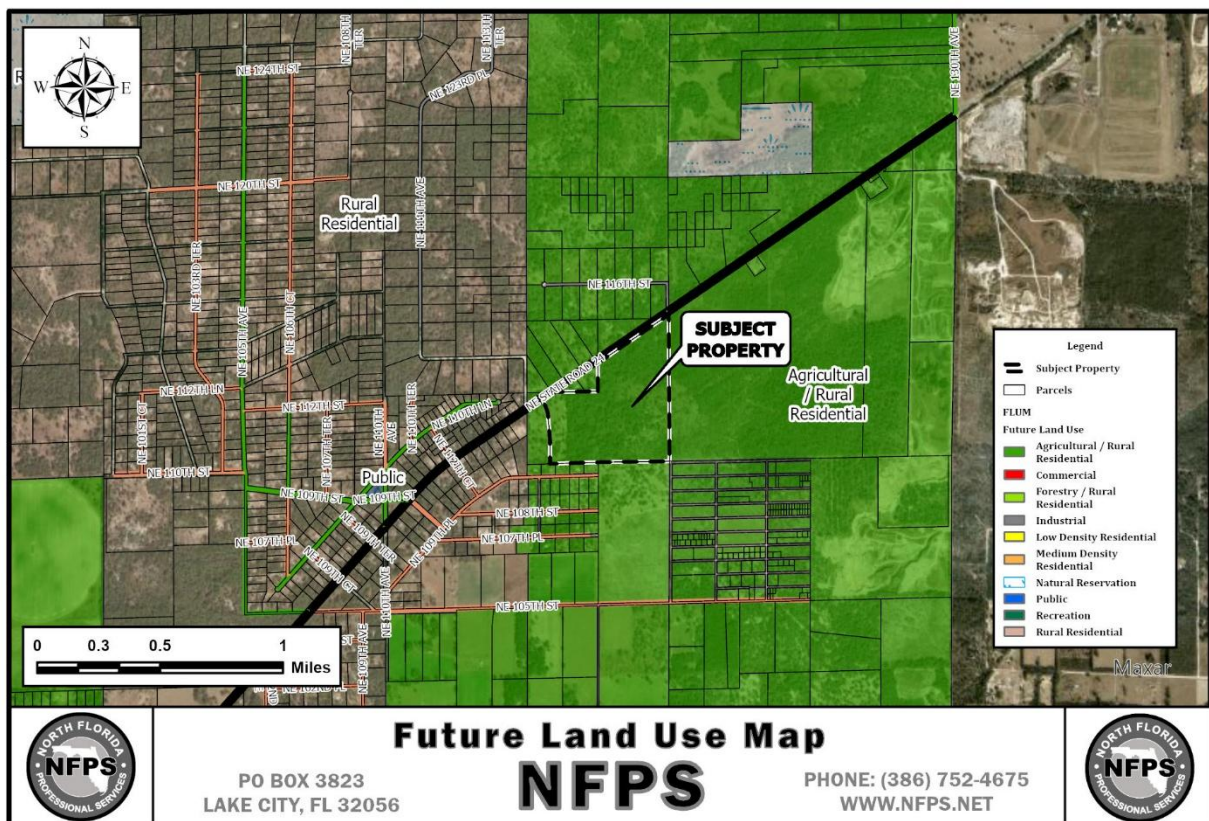
### Future Land Use Map Designation of the Subject Property

Policy 1.2 of the Future Land Use Element of the Comprehensive Plan defines the Agriculture/Rural Residential Future Land Use Map Designation as:

#### Agricultural/Rural Residential

This category provides for areas predominantly used for agriculture, accessory and supportive uses to the agricultural industry, resource based and/or non-spectator based recreational uses, conservation uses, and very low density rural development. The maximum residential density is one (1) unit per ten (10) acres, except as otherwise provided by Policy 3.3. The minimum parcel size is ten (10) acres, or parcel of record as of December 31, 1989. Public schools are permitted in this land use category.

### Map 1. Future Land Use Map

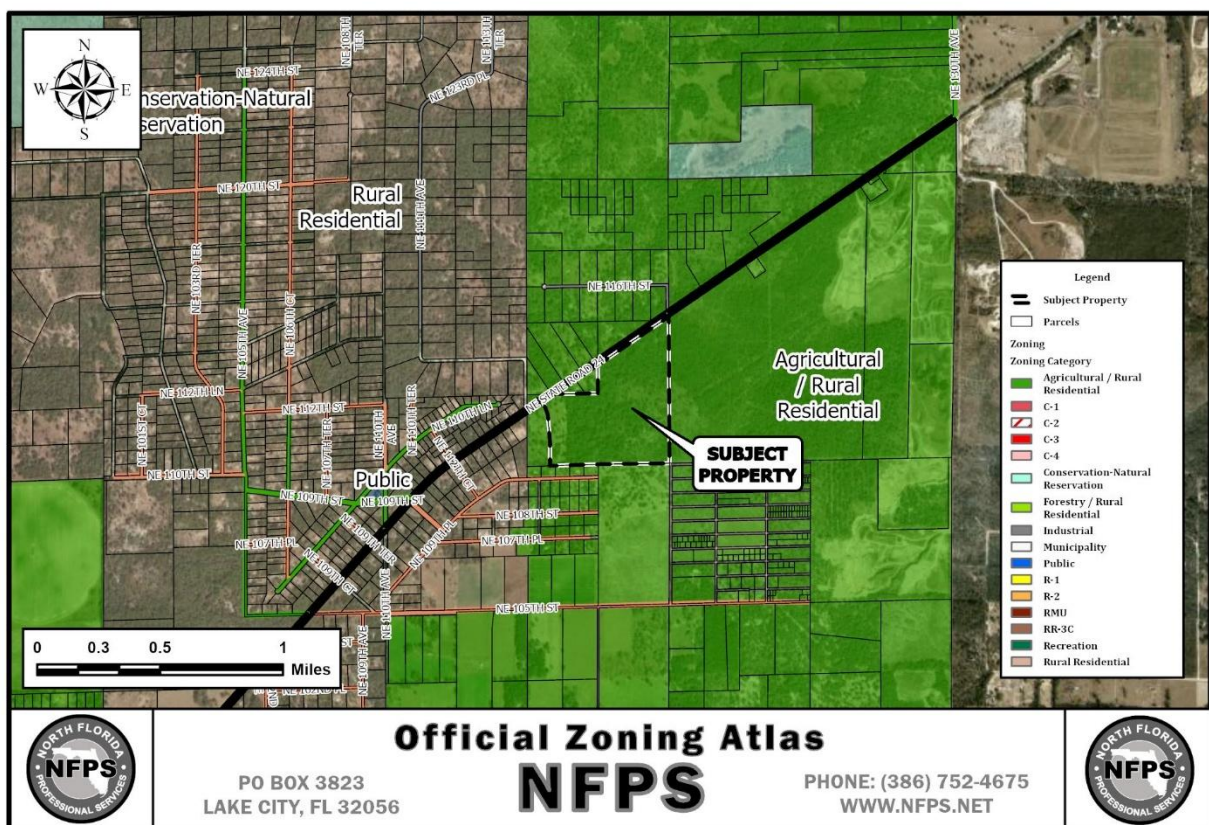


### Official Zoning Atlas (Zoning) Designation of the Subject Property

Section 50-661 of the Land Development Code defines the Agriculture/Rural Residential Zoning Designation as:

*Agricultural/rural residential (A/RR) district.* The conservation element and the land use element within the county comprehensive plan have established objectives and policies to protect agriculturally productive lands. Agricultural products (crops and livestock) are an important segment of the county's economic base, and as with forestry operations, agricultural operations use herbicides and pesticides, and generate noise, dust and waste products. As such, the A/RR district is intended to provide for the continued viability of agribusiness in the county while permitting low-density residential land uses that are compatible with the predominant land use in the district - commercial farming. Residential density is limited to one dwelling per ten (or more) acres.

## Map 2. Official Zoning Atlas







## LAND USE DISTRICT REGULATIONS

<b>Land Use District:</b>	Agriculture/Rural Residential ("A/RR")
<b>Max. Gross Density:</b>	One (1) Dwelling Per Ten (10) Acres
<b>Minimum Lot Area</b>	Ten (10) Acres
<b>Floor Area Ratio:</b>	N/A
<b>Typical Uses*:</b>	Agricultural Operation, Bona-Fide; Government Office & Facilities; Public Recreation Uses (Restricted to Passive, Resource Based Recreation); Fishing Camp or Club; Hunting Camp or Club; Dwelling, Single-Family (No Mobile Homes); Adult or Child Care Home; Essential Public Utility Service.
<b>Uses Permitted Only with a Special Exception</b>	Agricultural Operation, Intensive; <b>Mining</b> ; Educational Facilities; Place of Religious Assembly, Civic Organization or Membership Club, with Outdoor Uses; Electric Generating Facilities.
<b>Uses Permitted Only with a Conditional Use</b>	Permanent Sawmill or Woodchipper; Place of Religious Assembly, Civic Organization or Membership Club, Indoor Use Only; Cemetery; Community Residential Home (Small); Communications Tower & Antenna; Solar Facilities.
* The typical uses identified above are not intended to be a complete list of permitted uses, may be subject to use-specific standards which may not be met by the subject property, and may not reflect the actual requirements to which potential development may be subject.	

## SURROUNDING USES

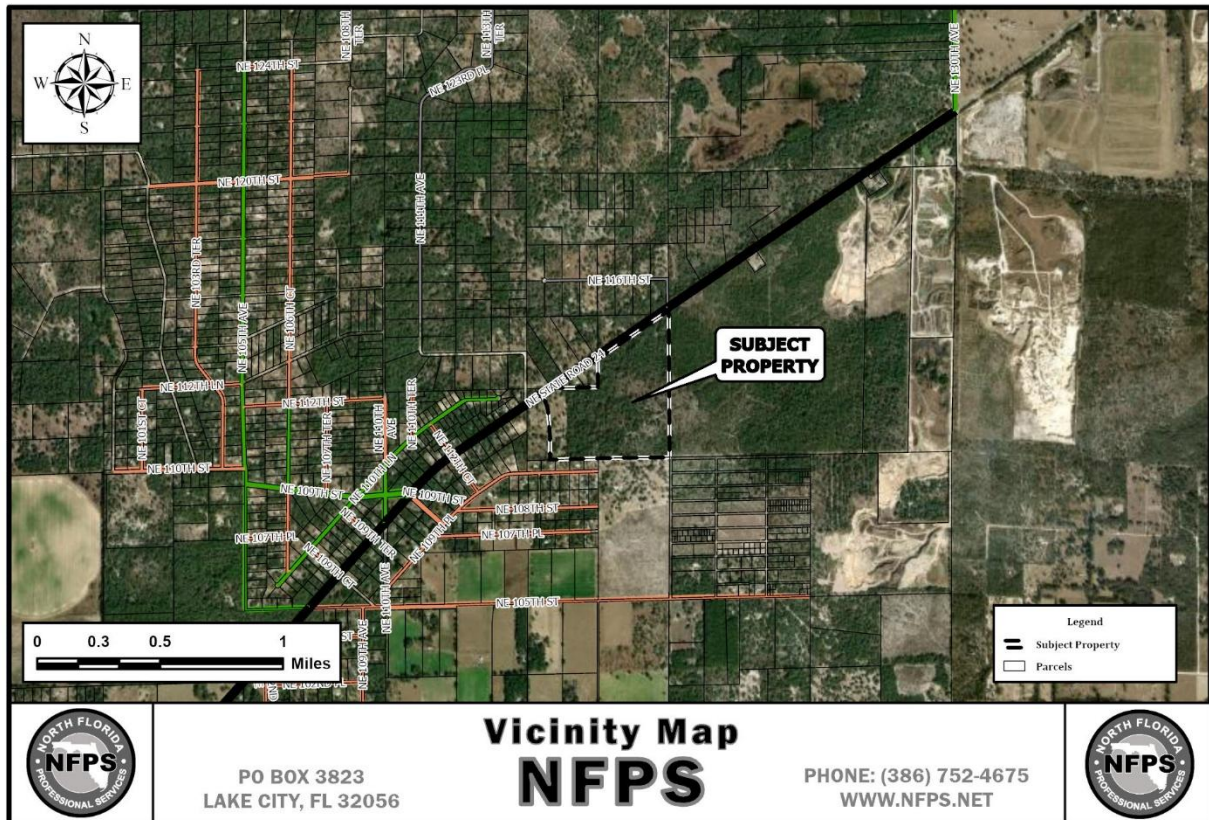
The existing uses and Future Land Use Map ("FLUM") Designations of the surrounding area are identified in Table 1. Map 1 provides an overview of the vicinity of the subject property.

Table 1. Surrounding Land Uses

Direction	Existing Use(s)	FLUM Designation(s)	ZONING Designation(s)
North	NE State Road 24/Forest Park, Unit 3/NE 116 <sup>th</sup> Ave/Agricultural Lands/Single-Family Residences	Agriculture/Rural Residential ("A/RR")	Agriculture/Rural Residential ("A/RR")
South	University Oaks Subdivision/Oakdale Heights Subdivision/Agricultural Lands/Single-Family Residences	Agriculture/Rural Residential ("A/RR")	Agriculture/Rural Residential ("A/RR")
East	Vacant Agricultural Lands/Andrews Dirt Mine (Borrow Pit)	Agriculture/Rural Residential ("A/RR")	Agriculture/Rural Residential ("A/RR")
West	University Oaks Subdivision/Agricultural Lands/Single-Family Residences	Agriculture/Rural Residential ("A/RR")/Rural Residential ("RR")	Agriculture/Rural Residential ("A/RR")/Rural Residential ("RR")



## Map 3. Vicinity Map



## CONSISTENCY WITH THE COMPREHENSIVE PLAN

The following Comprehensive Plan Elements have Goals, Objectives, and Policies (GOPs) that support the proposed Special Exception Application:

- Future Land Use Element
- Transportation Element
- Private Property Rights Element

The application for a Special Exception has been reviewed for consistency with the Comprehensive Plan and the application is consistent with the Comprehensive Plan and the Goals, Objectives, and Policies (GOPs) therein.



## SECTION 50-759 MINING STANDARDS

Section 50-759 of the Levy County Land Development Code regulates the process, review, and standard for which Mining permits are required to adhere. Section 50-759(2) of the LDC provides minimum criteria, standards, and conditions for mining operation. Section 50-759(3) of the LDC established prohibited areas for blasting mining operations and non-blasting mining operations. Section 50-759(4) of the LDC provides for a Mining Impact Assessment Report. Section 50-759(5) of the LDC relates to local, state, and federal permits, and Section 50-759(6) provides for a financial surety instrument. Below is an analysis of the specific requirements of Section 50-759(2) through 50-759(6) of the LDC.

### SECTION 50-759(2) "Minimum Criteria, Standards, & Conditions"

- (a) *Access; hauling.* Each mining operation must be serviced by roads of adequate capacity and strength to accommodate the traffic volume and/or impacts of the mining operation. The following are minimum access and hauling requirements:

- i) Ingress and egress must be directly from a paved road classified as a major collector or greater.

**Analysis: The proposed access to the site is via State Road 24. State Road 24 is classified as a Minor Arterial RURAL. The Minor Arterial RURAL Road Classification is greater than the Major Collector Road Classification.**

- ii) Access and truck routes to and from the site are prohibited through recorded subdivisions or Type II subdivisions filed with the clerk of the court.

**Analysis: Access to the site is via direct access to State Road 24. Access does not take place through a subdivision or Type II subdivision.**

- iii) The applicant shall ensure that neither public nor private property is damaged by the hauling of material, and that hazardous traffic conditions will not be created.

**Analysis: State Road 24 is a state highway system that is designed for heavy truck traffic. Further, the applicant shall install a three (3) inch asphaltic concrete driveway apron. The driveway apron will protect the edge of the roadway from damage. See Sheet C08 and C13 of the site plan. It is recommended that as a condition of approval of the Special Exception the County Administrator be given the authority to evaluate any damage to public or private property and to require any repair needed to restore property to its condition prior to such damage.**

- iv) Ingress and egress from the driveway connection point into the mining property a minimum distance of 250 feet is required to be paved or constructed of other durable and appropriate material that reduces the tracking of dust, soil and/or rock onto the public roadway. Geometry of the connection shall be in accordance with Florida Department of Transportation specifications or as required by the county based on characteristics of the connecting roadway and the proposed mining operation.



**Analysis: The applicant shall install a driveway comprised of asphaltic millings with a minimum six (6) inch depth for a distance of 250 feet from the driveway apron, as indicated on Sheet C03 of the site plan.**

- v) Advanced warning signs shall be installed on the connecting roadway to alert users to the ingress and egress points. At a minimum, the advanced warning shall be "Truck Entering Highway" sign. Flashing lights or other devices may be required by the county based on the conditions at the connection. A stop sign shall be provided on all egress points.

**Analysis: The applicant shall provide the required "Trucks Entering Highway" signage on State Road 24 a distance of 325 feet from the centerline of the proposed driveway apron, as indicated on Sheet C08 of the site plan.**

- vi) Internal access routes from the mining operation to the public roadway shall be identified and shall have the least adverse impact on surrounding uses.

**Analysis: The applicant has indicated the internal routes on the site plan. There are no issues related to the internal truck routes. The location of internal access routes have been located to cause the least adverse impact on surrounding uses.**

- vii) Any anticipated adverse impacts on the roadways or safety from the mining operation must be addressed at the expense of the applicant.

**Analysis: The applicant has provided a detailed Traffic Impact Analysis. According to the analysis, there are no anticipated adverse impacts to State Road 24.**

- viii) The receipt of a permit from the county shall include an irrevocable license to enter the mining operation to complete any inspections deemed necessary to assurance compliance and/or to complete any necessary reclamation in the event that the mining operation fails to do so.

**Analysis: As a condition of approval, it is recommended that the applicant provide an irrevocable license or agreement to enter to the County.**

**Overall Analysis of Section 50-759(2)(a): The applicant has complied with the requirements of Section 50-759(2)(a).**

- (b) *Setback requirements.* No mining operations may occur within 100 feet of any boundary of the property.

**Analysis: The applicant has provided the required 100-foot setback. Reference Sheet C03. Further, it is recommended as a condition of approval that the applicant maintain the 100-foot buffer and if the buffer is not maintained the special exception permit shall be revoked.**





(c) Buffering. Each mining operation must provide adequate buffering of such type, dimension and character to improve compatibility of the proposed mining operation with uses and structures on adjacent properties. The minimum requirements for buffering are as follows:

- i. Length. The buffer shall be of sufficient length so as to shield mining activity from incompatible land uses.

**Analysis: The existing vegetation within the 100-foot buffer is very dense and will be sufficient in most areas to shield the mining activity from incompatible land uses and meet the minimum opacity requirement of 80-percent. In areas where existing vegetation is not sufficient to meet the 80-percent opacity requirement, the applicant is proposing a seven (7) foot berm to fulfill the required buffering. The berm is in compliance with subsection 3 below.**

- ii. Opacity. The buffer shall provide a minimum opacity of 80 percent when viewed from the property line into the property toward the mining operations from ground level to a height of ten feet minimum in order to shield mining activity from adjacent uses. Components of the mining operation such as towers, stockpiles, and other similar items that exceed ten feet in height are not required to be shielded. The required opacity shall be provided prior to the start of mining operations using any combination of the following methods:

1. Vegetative screen comprised of native vegetation when sufficient to provide the required opacity during all seasons.

**Analysis: This requirement has been met. The applicant proposes a 100-foot native vegetative buffer on most of the site. This native vegetation is sufficient to meet the opacity requirements.**

2. Vegetative screen comprised of planted vegetation consisting of evergreen or other non-deciduous trees native to the area and compatible with area soils.

**Analysis: The native vegetation provides ample screening. It does not appear to be any additional vegetation is required.**

3. A berm, provided it is used in conjunction with a minimum 50-foot vegetative area located between the berm and the property lines. The berm must be of sufficient height (not exceeding ten feet above natural surface of the ground) to provide the required opacity. The berm shall be stabilized with the planting of suitable vegetation. The slopes of the berm shall not exceed 1:3. The berm shall not impair the existing natural flow of stormwater runoff from adjacent properties into the site.

**Analysis: A portion of the western property line of the subject property is buffered with a seven (7) foot berm with a 100-foot buffer. The berm meets the requirements of this section.**

4. A perimeter fence 6-foot to 10-foot in height which provides the required opacity.

**Analysis: The applicant does not propose any fencing as screening.**

5. Alternative methods approved by the board.

**Analysis: No alternative methods are proposed.**



**Overall Analysis of Section 50-759(2)(c):** The applicant has complied with the screening and buffering requirements of Section 50-759(2)(c).

- (d) *Environmental impacts.* The mining operations shall not adversely impact surface waters, including springs, rivers, tributaries in quantity or quality; aquifers in quantity or quality; existing dumpsites, landfills, effluent disposal areas or public water supply wellheads.

**Analysis:** The applicant has provided an analysis of the subsurface water impacts in the Mining Impact Assessment Report. Per the applicant's report and engineered mining plan, the excavation of the mining pit will not take place within two (2) feet of an aquitard, confining later, or potentiometric layer. Therefore, the proposed mine is not expected to result in any adverse impacts to surface waters of the aquifer. There are no wetlands or other environmental features located on the subject property. There are no existing dumpsites, landfills, effluent disposal areas or public water supply wells proximate to the subject property that would be affected by the mining operation.

- (e) *Nuisance or hazardous conditions.* The mining operations may not create noise, odor, dust, vibration, off-site glare, or other conditions so as to adversely impact adjacent property or cause hazardous conditions.

**Analysis:** The applicant states that dust shall be controlled via utilization of water trucks during the hours of operation. Vibration and sound shall be limited to vehicle and equipment use during operational house with shall be restricted to daylight hours Monday through Saturday. It is not anticipated that adjacent properties would experience any odor; however, given the nature of diesel trucks and equipment, there is a possibility that the odor of diesel may be present from time to time. A condition of approval has been recommended to require the applicant to follow the Florida Department of Environmental Protection Best Management Practices ("BMPs") for Fugitive Dust Control, dated January 2022, as amended, in order to address potential concerns regarding dust.

- (f) *Slope requirements.* Sides of reclaimed limestone, shell and dolomite mines must provide a shore line slope consistent with the latest regulations of the department of environmental protection bureau of mine reclamation. Sand, clay or dirt borrow pits shall be left with side slopes not steeper than one foot vertical for each three foot horizontal measurement, or the slope requirement provision of the state agency issuing the environmental resource permit. Excavations which extend below the water table shall be left with side slopes not steeper than one foot vertical for each four foot horizontal measurement to a depth at least six feet below the average water level and no greater than one foot vertical for each two feet horizontal measurement six feet below the average water level.

**Analysis:** The applicant states in the Mining Impact Assessment Report that reclamation and final contouring of the mine shall be completed no more than one year after mining operations/activities have ceased. The excavation plans indicate that slopes shall meet the requirements of this section.





- (g) *Hours of operation.* General operations at the site shall be restricted to daylight hours (sunrise to sunset) Monday through Saturday, unless further restrictions are imposed by the board to minimize impacts on surrounding uses. Maintenance work or emergency operations may be undertaken at such hours as necessary to address immediate safety or welfare issues.

**Analysis: It is recommended to make this requirement a condition of approval. Should the applicant violate this requirement, the Special Exception permit could be revoked.**

- (h) *Reclamation plan.* A reclamation plan shall be prepared which meets the requirements of state agencies. The plan shall include timeframes for implementation and the anticipated future use of the site.

**Analysis: The applicant has provided a reclamation plan that is in compliance with the Land Development Code.**

**Overall Analysis of Section 50-759(2)(d): The applicant has complied with the requirements of Section 50-759(2)(d).**

## SECTION 50-759(3) "Prohibited Areas"

**Mining operations are prohibited in the following areas:**

- (a) *Non-blasting Mine:* Within a 500-foot radius of abandoned dumpsites, landfills or effluent disposal areas as identified by the Florida Department of Environmental Protection; within a 1,000-foot radius of a public water supply wellhead with a capacity of 100,000 gallons or greater per day, or the identified well withdrawal area, if larger; or within 300 feet of any lot that is five acres or less and is zoned RR, R-1, R-2, RR3-C or RMU.
- (b) *Blasting Mine:* Within a 1,000-foot radius of abandoned dumpsites, landfills or effluent disposal areas as identified by the Florida Department of Environmental Protection; Within a one mile radius of a public water supply wellhead with a capacity of 100,000 gallons or greater per day, or the identified well withdrawal area, if larger; or within 1320 feet of any lot that is five acres or less and is zoned RR, R-1, R-2, RR3-C or RMU.
- i. Any mine: Within two miles of the Manatee Springs or Fanning Springs State Park boundaries; Within the Priority Focus Area of any Basin Management Action Plan as defined by the Florida Department of Environmental Protection; or within 1,320 feet of schools; hospitals; county, state or federal parks, conservation and/or natural resource areas.

**Analysis: The proposed mine does not allow for blasting; therefore, the proposed mine is subject to criteria (a) above. The subject property is not located within 500 feet of an abandoned dumpsite, landfill, or effluent disposal area. Further, the subject property is not within a 1,000-foot radius of a public water supply wellhead. The subject property is not within 300 feet of any lot that is five acres or less and is zoned RR, R-1, R-2, RR3-C or RMU.**



## SECTION 50-759(4) "Mining Impact Assessment Report"

All proposed mining operations shall provide a mining impact assessment report prepared by a licensed engineer registered in the State of Florida or other qualified expert. The report shall identify all individual impacts resulting from the mining operation and all cumulative impacts from similar activities within one-quarter mile of the site. The report shall address the following:

- (a) *Compatibility.* This section of the report shall address the impact of all activities proposed at the site on the surrounding area within one-quarter mile of the site including uses, environmental, cultural and historical resources. This assessment shall include blasting, vibration, sound, and dust at a minimum. The report shall identify all design and buffering improvements proposed to mitigate the impacts to the surrounding area identified in the report.

**Analysis: The applicant has provided an analysis of the site's compatibility with properties within one-quarter mile. The applicant has complied with all the applicable requirements of the Land Development Code. There are residential uses and neighborhoods adjacent to and in the vicinity of the subject property; however, given the applicant has met the applicable requirements of the Land Development Code and there is no blasting to be performed. It is found that the proposed use is generally compatible with the surrounding uses.**

- (b) *Transportation system.* This section of the report shall address the impact of the proposed activities on the roadway system serving the mining operation. A traffic analysis shall be provided that identifies the existing background traffic, proposed traffic generation throughout the life of the mining operation, the existing and projected level of service of the roadway system, the structural strength of the existing roadway and the required strength to support the projected traffic, the sight distances at the connecting road, and recommendation as to whether accessory lanes are needed at the connection point. An impact analysis on the existing roadway system shall be provided which includes recommendation for any upgrade deemed necessary to prevent damage, method of repair to damage caused by and/or mitigation of impacts to the roadway system. This analysis shall include a cost estimate to accomplish the remediation, repair, or mitigation.

**Analysis: The subject property has access via State Road 24. As previously mentioned, State Road 24 is a state highway system that is designed to handle large trucks. A Traffic Impact Analysis has been provided by the applicant which indicates there will be no anticipated adverse impacts on transportation facilities and that the requirements of this subsection have been met. Further, the applicant is installing three (3) inch asphaltic concrete driveway apron. The driveway apron will protect the edge of the roadway from damage. See Sheet C08 and C13 of the site plan.**

- (c) *Water use.* This section of the report shall address the impact that the mining activity will have on the groundwater and surface waters including jurisdictional wetlands within 200 feet of the mining area. Proposed mines within two miles of a listed spring shall identify potential impacts on the spring due to the proposed mining operation. All uses of water within the site shall be identified and quantified. This shall include the effects of changes in use and topography along with any other changes that might affect the groundwater and/or surface waters in and within 200 feet of the site boundary or within 1,320 feet if blasting is proposed. The aquifers under the site shall be identified along with the expected high water





level as identified by onsite geotechnical investigation. The report shall indicate how groundwater quality will be protected.

**Analysis: The applicant has provided a detailed analysis on the proposed impacts to groundwater and surface waters. Per the applicant's report and engineered mining plan, the excavation of the mining pit will not take place within two (2) feet of an aquitard, confining layer, or potentiometric layer. Therefore, the proposed mine will not adversely impact groundwater or surface waters.**

- (d) *Stormwater management.* This section of the report shall address the impact of the proposed mining activity on stormwater runoff into and from the site.

**Analysis: Other than the proposed driveway entrance, there is no additional impervious surfacing. The applicant shall be required to obtain a letter of exemption from the Suwannee River Water Management District prior to commencement of any mining operations.**

- (e) *Grading.* This section of the report shall provide information related to the proposed excavation and fill activities. This shall include a topographic survey of the property and extend a minimum of 100 feet outside of the property, proposed grades after completion of mining and reclamation, typical sections showing perimeter and interior slopes, erosion and sedimentation controls, phasing of activities at the site including initial construction, mining blocks, and reclamation at a minimum. Any flood prone areas within the site shall be identified and reasonable assurance provided that the capacity of the flood zone will not be diminished.

**Analysis: The applicant has provided excavation plans demonstrating compliance with this section. See excavation plans for details.**

- (f) *Operation.* This section of the report shall provide information related to the day to day operations proposed at the site. This shall include expected activities on the site, hours of operation, internal access routes, staging areas for traffic, methods of excavation, methods of processing fill material, types of materials onsite, storage methods, methods to control dust, noise, light and vibration to levels, and the life of the mining operation at a minimum. Additional information may be needed based on the activities proposed.

**Analysis: The applicant has provided an operational report which demonstrates compliance with the requirements of the Land Development Code.**

- (g) *Reclamation.* This section of the report shall provide information on how the mining area will be reclaimed after the mining activity is completed. This shall include time frame for the completion of the reclamation, the anticipated future use of the site and any other information. A cost estimate shall be provide for the approved reclamation plan.

**Analysis: The applicant has provided details of the proposed reclamation in the Mining Impact Assessment Report and in the excavation plans. The applicant states in the Mining Impact Assessment Report that reclamation and final contouring of the mine shall be completed no more than one year after mining operations/activities have ceased. The excavation plans indicate that slopes shall meet the requirements of this section.**

**Overall Analysis of Section 50-759(4): Through the information provided in the Mining Impact Assessment Report and excavation plan, the applicant has demonstrated compliance with the Land Development Code.**



## SECTION 50-759(5) "Permits"

The proposed mining operation shall obtain all required federal, state, and local permits prior to commencement of mining activities on the site. A copy of all permits shall be submitted to the county along with the supporting application material. The county may require amendments to the special exception based on information and conditions contained in the other agency permits and supporting application material. All required permits shall be maintained during the life of the mining operation and all operations shall be in compliance with the permits.

**Analysis: The applicant shall be required to obtain all local, state, and federal permits. As a condition of approval, the applicant shall provide the County with a copy of all applicable permits and/or exemptions prior to commencement of work on the mine.**

## SECTION 50-759(6) Liability for Mining Operations; Financial Surety Required

The applicant and/or operator of mining operation shall have absolute liability and financial responsibility for any damages to public or private property, human, animal, or plant life, or any mineral or water-bearing geologic formations incurred due to the mining operations, failure of any site improvements such as, but not limited to, dams, spillways, outlet structures, settling or thickening ponds. The following bonds or other surety in a form approved by county shall be provided prior to beginning mining operations. If the mining operations are phased, the bonds, or other surety, may be provided in increments that cover the active phases.

- (a) *Reclamation bond.* Two thousand dollars per acre of land designated to be mined or 150 percent of the reclamation cost estimate (refer to (4)(g) above), whichever is greater.
- (b) *Environmental bond.* If the mining operations use storage areas to contain processing water such as slime, settling or thickening ponds, \$1,000.00 per acre-foot of storage area shall remain in effect as long as the storage areas are being used and remain unconsolidated.

Release from financial security may be accomplished by written request to the county which includes a topography survey of the affected area of the site. Upon receipt of the request, the county shall make a final inspection to ascertain if the required conditions have been met. The release shall be granted within 30 days of a determination that all conditions have been met.

**Analysis: It is recommended that providing the required surety instrument be a condition of approval and that no work shall commence prior to the County accepting the surety instrument.**



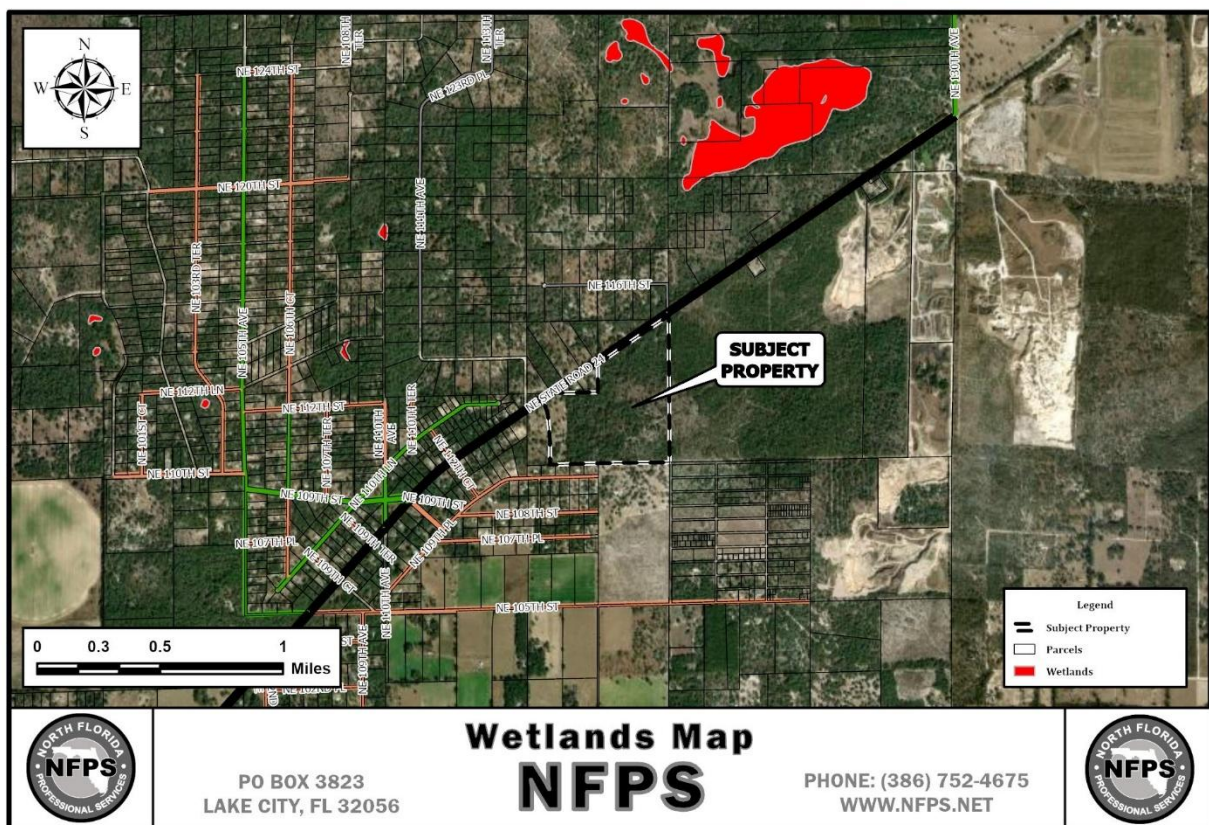
## ENVIRONMENTAL CONDITIONS ANALYSIS

## Wetlands

According to the National Wetlands Inventory, Wetlands from the Suwannee River Water Management District, dated 1995, there are no wetlands located on the subject property.

**Evaluation:** Given the subject property contains no wetlands, there are no issues related to wetland protection.

### Map 4. Wetland Map

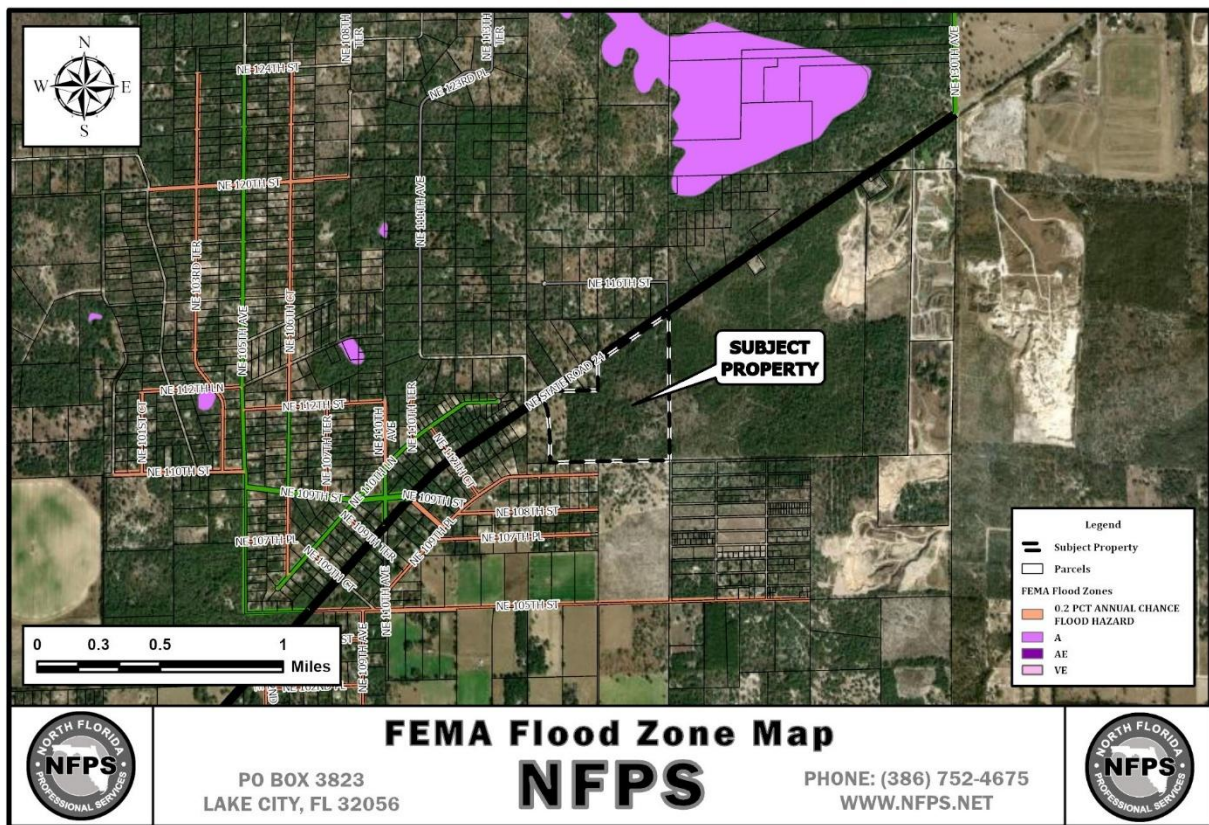


## Flood Potential

Panel 0205F and 0415D of the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Series, dated November 2, 2012, indicates that the subject property is in Flood Zone "X" (areas determined to be outside of the 500-year floodplain).

**Evaluation:** Given the subject property is not located in an area designated to flood, there is no concern of flooding on the subject property.

## Map 5. FEMA Flood Zone Map



## Soil Survey

Each soil type found on the subject property is identified below. The hydrologic soil group is an indicator of potential soil limitations. The hydrologic soil group, as defined for each specific soil, refers to a group of soils which have been categorized according to their runoff-producing characteristics. These hydrologic groups are defined by the Soil Survey of Levy County, Florida, dated 2015. The chief consideration with respect to runoff potential is the capacity of each soil to permit infiltration (the slope and kind of plant cover are not considered but are separate factors in predicting runoff). There are four hydrologic groups: A, B, C, and D. "Group A" soils have a higher infiltration rate when thoroughly wet and therefore have a lower runoff potential. "Group D" soils have very lower infiltration rates and therefore a higher runoff potential.

There are two (2) soil types found on the subject property:

- 1) Candler Fine Sand (1 to 5 percent slopes) soil is excessively drained. It is generally found on the very deep, nearly level to gently undulating soil on uplands. Individual areas are generally irregular in shape and range from 3 acres to more than 10,000 acres in size. Typically, the surface layer is dark grayish brown fine sand about 6 inches thick. The subsurface layer, to a depth of about 60 inches, is very pale brown fine sand. Below this to a depth of 80 inches or more is a mixed subsurface layer and subsoil of very pale brown fine sand that has common thin, horizontal yellowish-brown lamellae. This soil has only slight limitations affecting sites for septic tank absorption fields, residential and commercial buildings, and local roads and streets.





- 2) Astatula Fine Sand (1 to 8 percent slopes) This soil is generally found on excessively drained, very deep, nearly level to gently rolling soil on uplands. Individual areas are generally irregular in shape and range from 10 acres to nearly 6,000 acres in size. Typically, the surface layer is dark gray fine sand to a depth of about 5 inches. The underlying material is yellow fine sand to a depth of 80 inches or more. On 95 percent of the acreage mapped as Astatula fine sand, 1 to 8 percent slopes, Astatula and similar soils make up about 96 to 100 percent of the mapped areas. Dissimilar soils make up less than 4 percent. On 5 percent of the acreage, the dissimilar soils make up more than 4 percent of the mapped areas. This soil has slight limitations affecting sites for septic tank absorption fields, residential buildings, and local roads and streets.

**Evaluation: The soil types found on the subject property are Candler Find Sand and Astatula Fine Sand. Both sand soils are acceptable for mining purposes. At this time, there are no issues related to soil suitability.**

### Stream to Sink

According to the Stream to Sink Watersheds, prepared by the Suwannee River Water Management District, dated June 2, 2001, the subject property is not located within a stream to sink area.

**Evaluation: At this time, there is no concern related to Stream to Sink Watersheds.**

### Minerals

According to the Levy County Economically Important Minerals Map, prepared by the Withlacoochee Regional Planning Council, 2015, the subject property is within an area known to contain Clay or Mud.

**Evaluation: There are no issues related to minerals.**

### Historic Resources

According to the Levy County Historical Resources Map, dated 2023, there are no known historic resources located on the subject property.

**Evaluation: There are no issues related to historic resources.**

### Aquifer Vulnerability

According to the "Recharge to the Floridan Aquifer" data, prepared by the Suwannee River Water Management District, dated 2000, the subject property is located in a high aquifer recharge area.

**Evaluation: While the subject property is located in a High Aquifer Recharge Area, the applicant has provided the required engineering and documentation to demonstrate that there should be no negative impacts on aquifer recharge. Therefore, it is anticipated that there will be no impacts to the Floridan Aquifer System as a result of the proposed mining operation.**



## PUBLIC FACILITIES IMPACT

### Traffic Impact

**Table 2. Affected Comprehensive Plan Roadway Segments<sup>1</sup>**

Segment Number <sup>2</sup>	Segment Description	Lanes	Functional Classification	Area Type	LOS
N/A <sup>1</sup>	S.R. 24 (From Bronson to East County Boundary)	2U	Minor Arterial RURAL	Rural	N/A

<sup>1</sup> Source: This Segment is based upon the Levy County Transportation Functional Classification Map. See Objective 2 of the Transportation Element.  
<sup>2</sup> FDOT roadway segment number shown in parenthesis (when applicable.) For the purposes of concurrency management, Levy County Comprehensive Plan segments that make up a portion of a larger FDOT roadway segment will be evaluated together when determining post development roadway capacity.

**Table 3. Proposed Trip Generation<sup>1</sup>**

Land Use <sup>1</sup>	AADT <sup>2</sup>	PM Peak Hour <sup>2</sup>
Excavation Sand Pit (ITE Code N/A)	50	4
<b>Total</b>	<b>50</b>	<b>4</b>

<sup>1</sup> Source: Calculations based upon the Traffic Impact Analysis performed by Kimley-Horn, dated June 2024.  
<sup>2</sup> See Page 4 of the Traffic Impact Analysis performed by Kimley-Horn, dated June 2024

**Table 4. Projected Impact on Affected Comprehensive Plan Roadway Segments**

Traffic System Category <sup>1</sup>	S.R. 24
Maximum Service Volume <sup>2</sup>	8,200
Existing Traffic <sup>3</sup>	3,600
Reserved Trips	0
Available Capacity	4,600
Projected Daily Trips <sup>4</sup>	50
<b>Residual Capacity<sup>6</sup></b>	<b>4,550</b>
PM Peak Hour Traffic Analysis <sup>1</sup>	S.R. 24
Maximum Service Volume <sup>2</sup>	780
Existing Traffic <sup>3</sup>	688
Reserved Trips	0
Available Capacity	92
Projected PM Peak Hour Trips <sup>4</sup>	2
<b>Residual Capacity</b>	<b>90</b>

<sup>1</sup> FDOT roadway segment number shown in parenthesis (when applicable.) For the purposes of concurrency management, Levy County Comprehensive Plan segments that make up a portion of a larger FDOT roadway segment will be evaluated together when determining post development roadway capacity.  
<sup>2</sup> Source: FDOT Quality/Level of Service Handbook, Generalized Annual Average Daily Volumes and Generalized Peak Hour Two-Way Volumes for Rural Undeveloped Areas.  
<sup>3</sup> Florida Department of Transportation, District II, 2023 Annual Average Daily Traffic Report. PM Peak date based upon the TIA performed by Kimley-Horn, dated June 2024.  
<sup>4</sup> The application is for a Final Development Order. Facility capacity and concurrency will be reserved.

**Evaluation:** The impacts generated by the development will not adversely affect the Level of Service (LOS) of the roadway segment identified above; therefore, the demand generated by the development is acceptable.





### **Potable Water Impacts**

The proposed use is not anticipated to impact potable water; therefore, there is no impact to the Level of Service (LOS) for Potable Water Facilities.

### **Sanitary Sewer Impacts**

The proposed use is not anticipated to impact sanitary sewer; therefore, there is no impact to the Level of Service (LOS) for Sanitary Sewer Facilities.

### **Solid Waste Impacts**

The proposed use is not anticipated to impact solid waste; therefore, there is no impact to the Level of Service (LOS) of Solid Waste Facilities.

### **Recreation Facilities**

The proposed use is not anticipated to impact recreational facilities; therefore, there is no impact to the Level of Service (LOS) of recreation facilities.

### **Public School Facilities**

The proposed use will not impact public schools; therefore, there is no impact to the Level of Service (LOS) of public-school facilities.



## RECOMMENDATIONS

Staff recommends approval of the requested Development of Major Impact subject to the following conditions:

1. The Applicant shall, at all times, follow the Florida Department of Environmental Protection Best Management Practices ("BMPs") for Fugitive Dust Control, dated January 2022, as amended. Measurements to control dust shall include, but not limited to, limiting the speed of trucks to 5 MPH, applying water or an approved chemical dust suppressant on regular basis, conducting inspections using visual observation at least weekly, and covering open bodied trucks when the truck is carrying materials. Should the applicant fail to continually follow the FDEP's BMPs for Fugitive Dust Control, the violation shall result in a violation of this Development Order and subject to Code Enforcement Action. Such action may result in revocation of this Special Exception Permit.
2. The applicant shall provide an irrevocable license or agreement to the County that permits the County to enter the subject property and perform inspections. The irrevocable license or agreement shall be recorded in the Official Records of Levy County, Florida. The irrevocable license shall be reviewed and approved by the County Attorney prior to being recorded in the Official Records of Levy County, Florida.
3. Hours of operation are limited to Monday through Saturday from sunrise to sunset. Should the applicant violate this restriction, the violation shall result in a violation of this Development Order and subject to Code Enforcement Action. Such action may result in revocation of this Special Exception Permit.
4. In accordance with Section 50-752(2) of the Land Development Code, the applicant shall ensure that neither public nor private property is damaged by the hauling of material, and that hazardous traffic conditions will not be created. Should the applicant's actions cause public or private property damage by the hauling of material, the applicant shall be responsible for the correction of such damage. The determination that the corrective action restores such public or private property to its prior condition shall be made by the County Administrator, in his or her sole discretion.
5. The applicant shall adhere to the Reclaim standards as established in Section 50-759 of the Land Development Code and shall follow the reclamation plan outlined in the applicant's submittal and site plan. Should the applicant violate this restriction, the violation shall result in a violation of this Special Exception Permit and subject to Code Enforcement Action. Such action may result in revocation of this Special Exception Permit.
6. A 7-foot landscaped berm shall be installed along the western property line as shown on Sheet C04 of the Site Plan. The berm shall be installed prior to commencement of any mining operations.



7. A Suwannee River Water Management District permit or exemption must be obtained prior to commencement of construction.
8. The applicant shall be required to obtain all local, state, and federal permits, as required, and provide a copy to the Levy County Planning & Zoning Department prior to commencement of construction.
9. No materials processing shall be permitted.
10. A minimum of a 100-foot buffer shall be maintained at all times, as indicated on the plans, for the duration of the excavation operation. Should the 100-foot buffer not be properly maintained, it shall be deemed a violation of this Development Order and the Land Development Code and shall result in this Special Exception being revoked.
11. Excavation shall be limited to the area identified in the application and site plan.
12. This Development Order shall expire 20 years from the date of approval. Should the applicant desire to extend the permit, the applicant shall be required to obtain a new Special Exception or abide by the required process as adopted by the Land Development Code.
13. There shall be no blasting or use of explosives allowed in the approved excavation activities.
14. The applicant must provide a Bond and/or other surety instrument acceptable to the County, in accordance with Section 50-759(6) of the Land Development Code, prior to commencement of construction.
15. The Applicant agrees that Conditions 1 – 14 as stated above do not inordinately burden the land and shall be binding upon the property owner, including any subsequent property owners, successors, or assigns, and that the site plan shall comply with Conditions 1 – 15 as stated herein.