

Agenda 2023-04-27

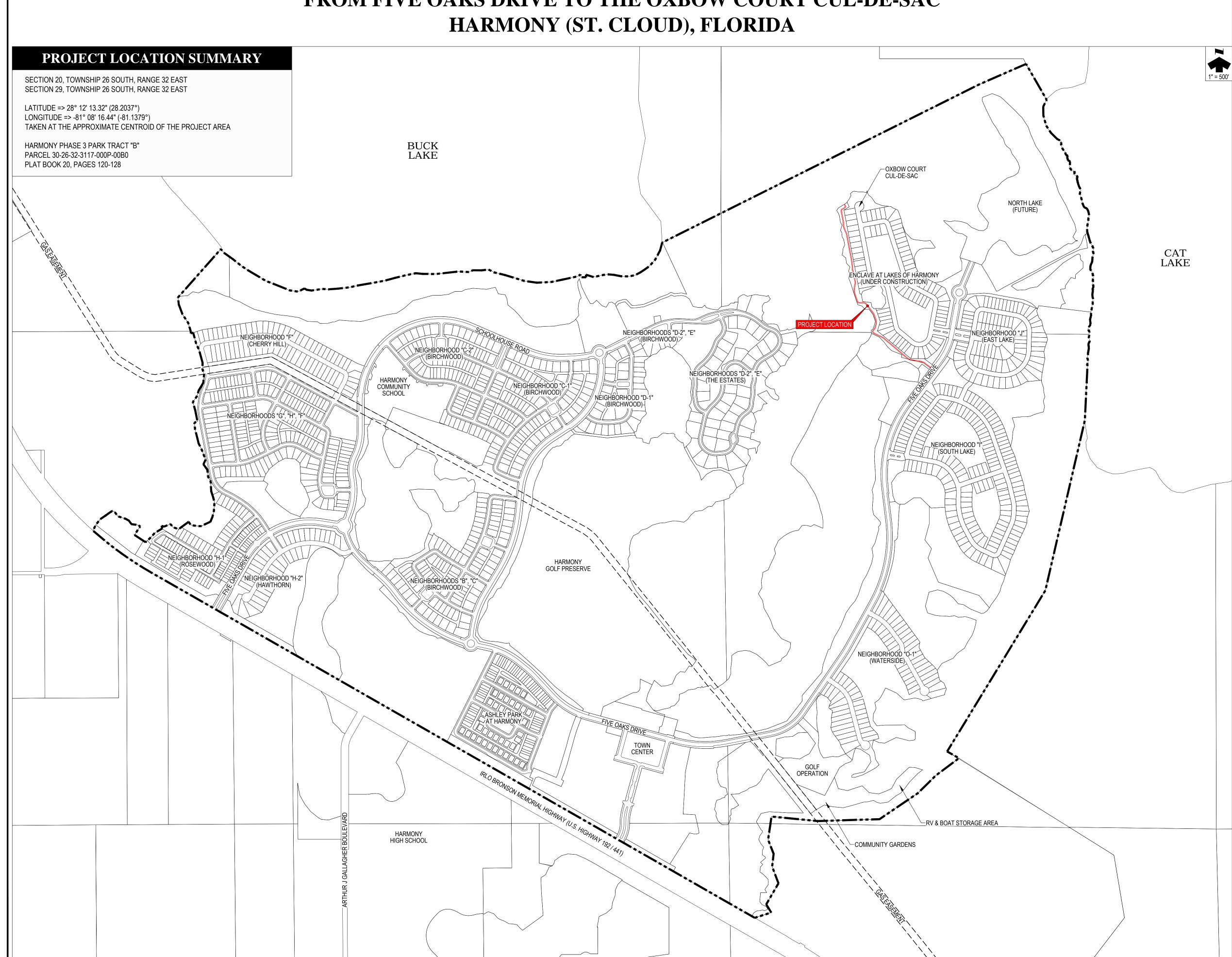
Subsection 6Bii

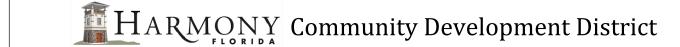
Billy's Trail Culvert Placement

Topical Review Material Delivered Herein Under Separate Cover

SITE DEVELOPMENT PLAN

BILLY'S TRAIL RE-ALIGNMENT FROM FIVE OAKS DRIVE TO THE OXBOW COURT CUL-DE-SAC HARMONY (ST. CLOUD), FLORIDA





PD

CDD BOARD OF SUPERVISORS

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David Hamstra (Pegasus Engineering)	District Engineer
Micahel Eckert (Kutak Rock, LLP)	District Legal Counsel
Brett Perez	Area Field Director

DRAWING INDEX					
SHEET	DRAWING TITLE				
C01	COVER SHEET				
C02	HARMONY PHASE 3 PLAT				
C03 - C04	SITE PLAN				
C05	SITE PLAN DETAILS				
C06 - C07	MISCELLANEOUS DETAILS				

	PLANS SUBMITTAL AND REVISION SUMMARY			
NO.	DATE	DESCRIPTION		

NOTES

- GOVERNING SPECIFICATIONS: STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS (LATEST EDITION) AND SUPPLEMENTS THERETO IF NOTED IN THE BID DOCUMENTS FOR THIS PROJECT.
- 2. ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN CHANGED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.
 - 11" x 17" DRAWINGS ~ NOT TO SCALE
 - 12" x 18" DRAWINGS ~ HALF SIZE
 - 24" x 36" DRAWINGS ~ TO SCALE
- 3. ELEVATION INFORMATION SHOWN WITHIN THESE PLANS IS REFERENCED TO THE NAVD88 VERTICAL DATUM.
- 4. DATUM SHIFT FOR THIS PROJECT (SEE PROJECT LOCATION SUMMARY THIS SHEET) WILL BE APPLIED AS A CONSTANT VALUE FOR CONVERTING ELEVATIONS BETWEEN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).

COMPUTED DATUM SHIFTS

- NAVD88 + 1.333' = NGVD29
- NGVD29 1.333' = NAVD88

CERTIFICATION BY THE ENGINEER OF RECORD

State of Florida Board of Professional Engineers Certificate of Authorization No. 27770



PEGASUS ENGINEERING, LLC 310 WEST STATE ROAD 434, SUITE 309 WINTER SPRINGS, FLORIDA 32708 PHONE: 407-992-9160 FAX: 407-358-5155





FLORIDA P.E. NUMBER 38652

DAVID W. HAMSTRA

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY DAVID W. HAMSTRA, P.E. ON APRIL __, 2023 USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THIS CERTIFICATION EXCLUDES CERTAIN INFORMATION THAT WAS PREPARED "BY OTHERS" AND MAY BE INCLUDED IN THE PLANS FOR THE CONTRACTOR'S CONVENIENCE, INCLUDING BUT NOT LIMITED TO THE TOPOGRAPHIC SURVEYS, MANUFACTURER DETAILS, FDOT DETAILS OBTAINED FROM THE DESIGN STANDARDS, AND STANDARD DETAILS PROVIDED BY THE CITY OF ST. CLOUD OR OSCEOLA COUNTY.



90% PLANS

Pegasus

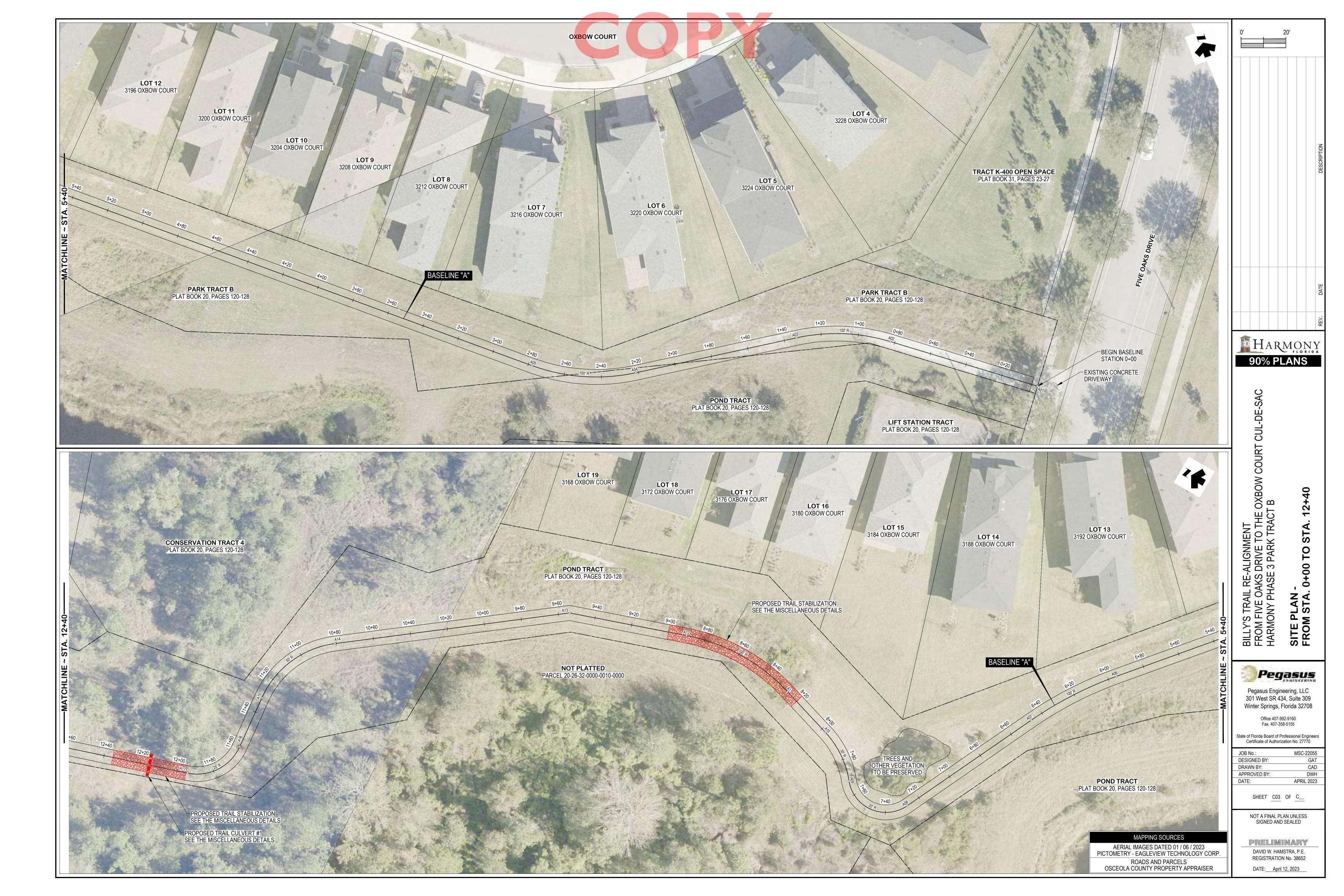
Pegasus Engineering, LLC 301 West SR 434, Suite 309 Winter Springs, Florida 32708

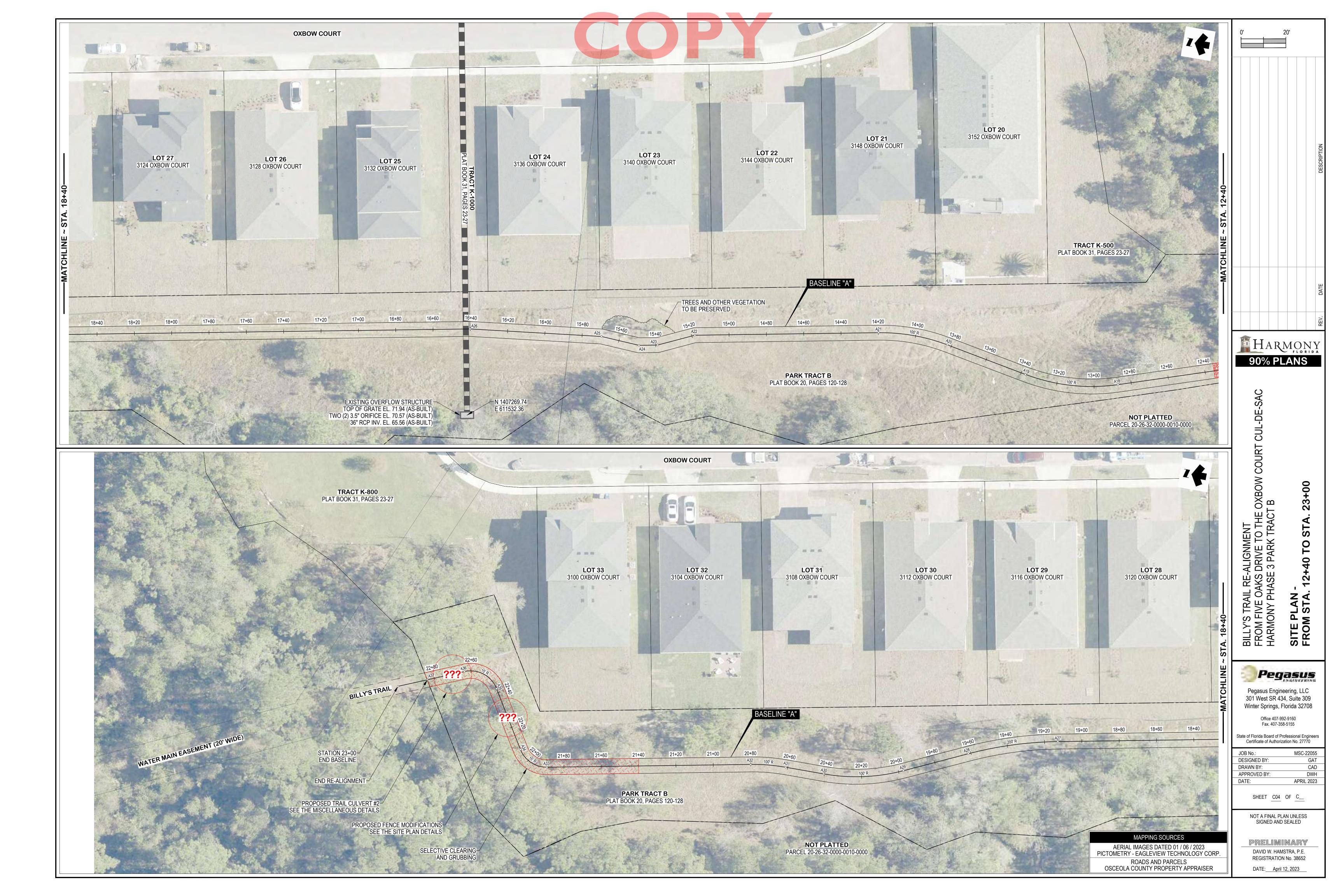
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CAD
DWH
APRIL 2023

SHEET CO2 OF C_

NOT A FINAL PLAN UNLESS SIGNED AND SEALED

PRELIMINARY DAVID W. HAMSTRA, P.E. REGISTRATION No. 38652 DATE: April 12, 2023





PHOTOGRAPHS OF EXISTING CONDITIONS

PHOTOGRAPH TAKEN ON 10-23-2021

PHOTOGRAPH TAKEN ON 10-23-2021

BILLY'S TRAIL SIGNAGE



PHOTOGRAPH TAKEN ON 10-23-2021

EXISTING CONCRETE DRIVEWAY AT FIVE OAKS DRIVE



VIEW OF THE RE-ALIGNMENT CORRIDOR LOOKING NORTH FROM 3216 / 3220 OXBOW COURT



VIEW OF THE RE-ALIGNMENT CORRIDOR LOOKING NORTH FROM 3168 OXBOW COURT



VIEW OF THE RE-ALIGNMENT CORRIDOR LOOKING SOUTH TOWARDS 3168 OXBOW COURT



EXISTING LOW POINT AND OVERFLOW FOR CONSERVATION TRACT 4 LOOKING NORTH ALONG THE RE-ALIGNMENT CORRIDOR



EXISTING LOW POINT AND OVERFLOW FOR CONSERVATION TRACT 4 LOOKING SOUTHEAST



EXISTING OVERFLOW STRUCTURE AND CONCRETE APRON



EXISTING OVERFLOW STRUCTURE, CONCRETE APRON AND CIRCULAR ORIFICES



BILLY'S TRAIL AND WATER MAIN EASEMENT LOOKING NORTH FROM PARK TRACT B

COORDINATE GEOMETRY

POINT	DESCRIPTION	NORTHING	EASTING	STATION
A01	BASELINE "A"	Х	X X	
A02	BASELINE "A"	X	Х	X+XX.X
A03	BASELINE "A"	Х	Х	X+XX.X
A04	BASELINE "A"	X	Х	X+XX.X
A06	BASELINE "A"	X	Х	X+XX.X
A07	BASELINE "A"	Х	Х	X+XX.X
A08	BASELINE "A"	Х	Х	X+XX.X
A09	BASELINE "A"	X	Х	X+XX.X
A10	BASELINE "A"	X	Х	X+XX.X
A11	BASELINE "A"	X	Х	X+XX.X
A12	BASELINE "A"	X	Х	X+XX.X
A13	BASELINE "A"	Х	Х	X+XX.X
A14	BASELINE "A"	X	Х	X+XX.X
A15	BASELINE "A"	Х	Х	X+XX.X
A16	BASELINE "A"	X	Χ	X+XX.X
A17	BASELINE "A"	X	Х	X+XX.X
A18	BASELINE "A"	Х	Х	X+XX.X
A19	BASELINE "A"	Х	Х	X+XX.X
A20	BASELINE "A"	X	Х	X+XX.X
A21	BASELINE "A"	X	Х	X+XX.X
A22	BASELINE "A"	X	Х	X+XX.X
A23	BASELINE "A"	X	Χ	X+XX.X
A24	BASELINE "A"	Х	X X	
A25	BASELINE "A"	X	Х	X+XX.X
A26	BASELINE "A"	X	Х	X+XX.X
A27	BASELINE "A"	X	Х	X+XX.X
A28	BASELINE "A"	X	Χ	X+XX.X
A29	BASELINE "A"	X	Χ	X+XX.X
A30	BASELINE "A"	X	Χ	X+XX.X
A31	BASELINE "A"	X	Χ	X+XX.X
A32	BASELINE "A"	Х	Χ	X+XX.X
A33	BASELINE "A"	Х	Χ	X+XX.X
A34	BASELINE "A"	Х	Χ	X+XX.X
A35	BASELINE "A"	X	Χ	X+XX.X
A36	BASELINE "A"	X	Χ	X+XX.X
A37	BASELINE "A"	X	X	X+XX.X

<< TO BE COMPLETED >>

PROPOSED FENCE MODIFICATIONS SCALE AS SHOWN

BILLY'S TRAIL RE-ALIGNMENT FROM FIVE OAKS DRIVE TO THE OXBOW CO HARMONY PHASE 3 PARK TRACT B

Pegasus

Pegasus Engineering, LLC 301 West SR 434, Suite 309 Winter Springs, Florida 32708

Office 407-992-9160 Fax. 407-358-5155

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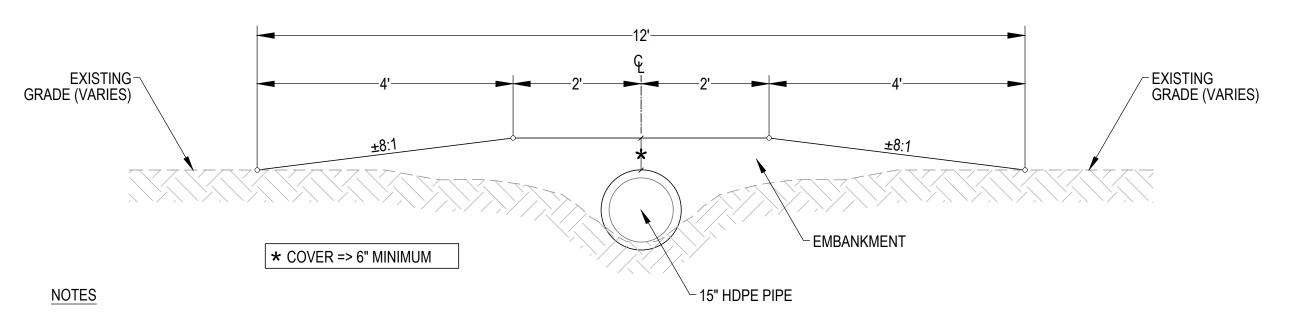
MSC-22055 DESIGNED BY: CAD APPROVED BY: DATE: APRIL 2023

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SHEET CO5 OF C_

PRELIMINARY DAVID W. HAMSTRA, P.E. REGISTRATION No. 38652 DATE: April 12, 2023

COPY

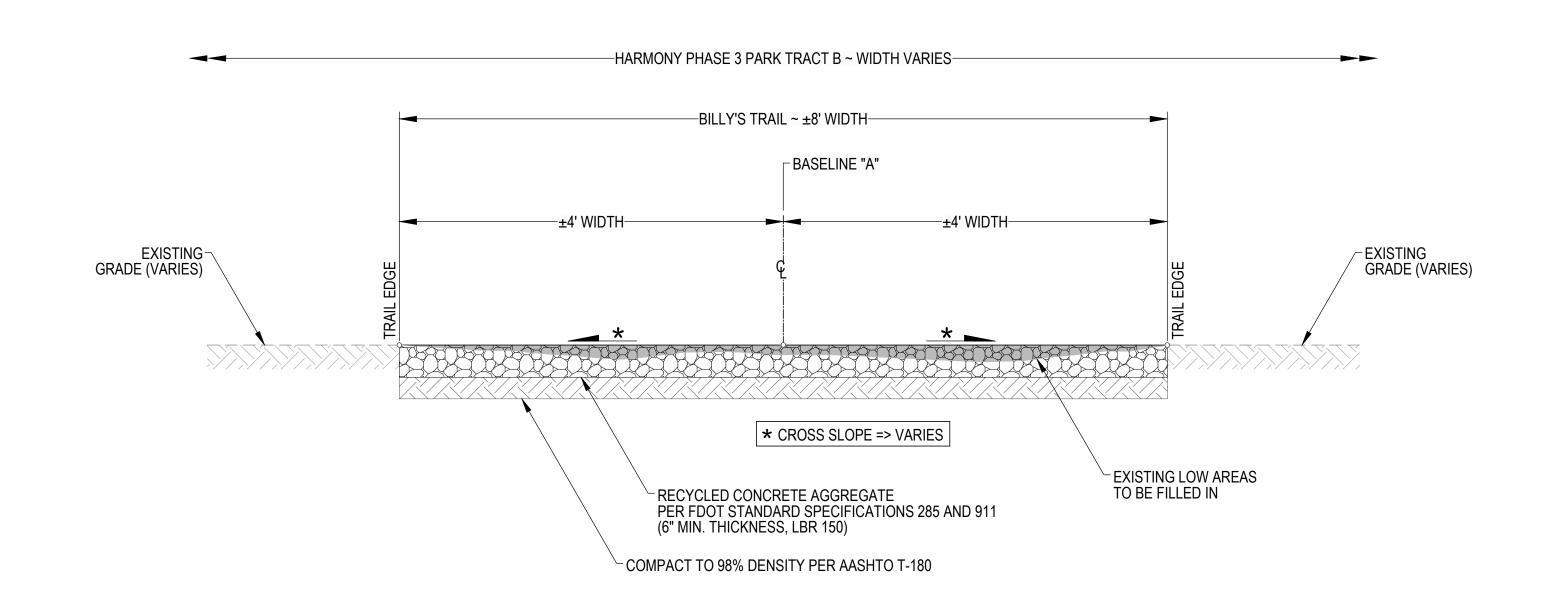


- 1. EMBANKMENT SHALL BE SELECT GRANULAR FILL MATERIAL COMPACTED TO MIN. 95% STANDARD DENSITY.
- 2. HDPE PIPE SHALL BE ADS N-12 SOIL TIGHT (ST), ADS WATER TIGHT (WT), OR APPROVED EQUIVALENT WITH SMOOTH AND NON-PERFORATED INTERIOR.

TRAIL CULVERT #1

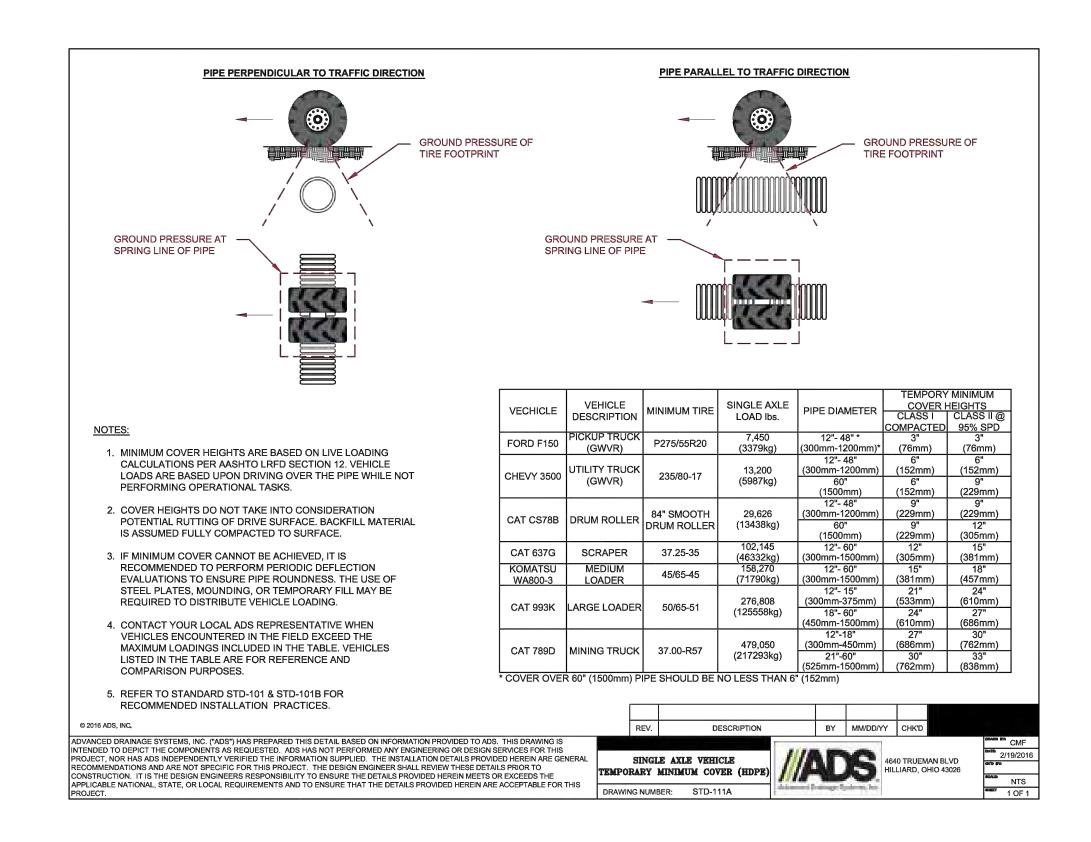
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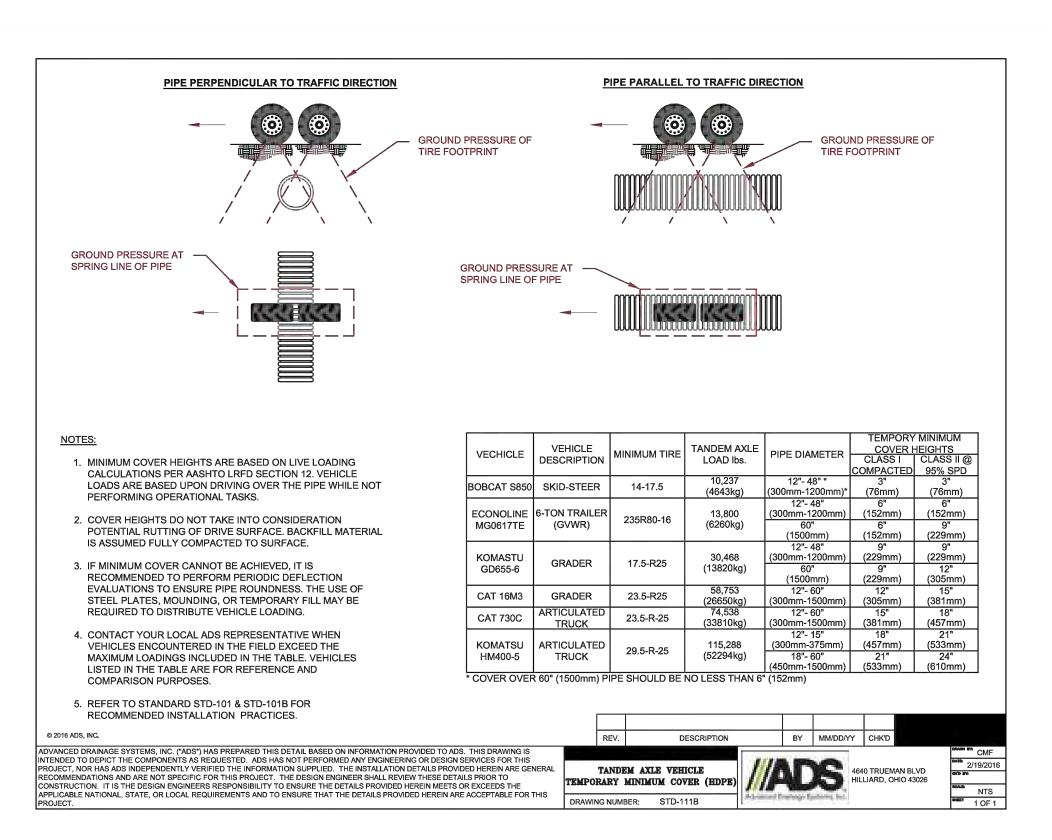
TRAIL CULVERT #2 NOT TO SCALE



TRAIL STABILIZATION

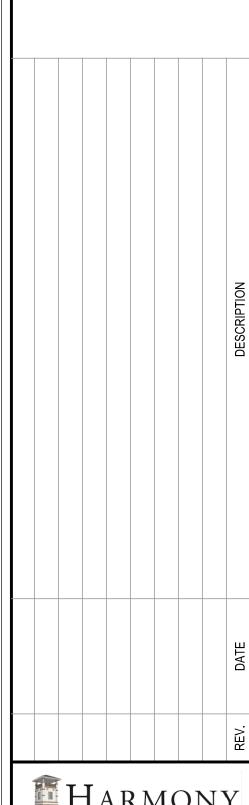
NOT TO SCALE





THIS DETAIL APPLIES TO HDPE

STORM PIPE BACKFILLING / INSTALLTION DETAIL



90% PLANS

BILLY'S TRAIL RE-ALIGNMENT FROM FIVE OAKS DRIVE TO THE OXBOW COURT C HARMONY PHASE 3 PARK TRACT B



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301 West SR 434, Suite 309 Winter Springs, Florida 32708

Office 407-992-9160

Fax. 407-358-5155

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JOB No.: MSC-22055

DESIGNED BY: GAT

DRAWN BY: CAD

APPROVED BY: DWH

APRIL 2023

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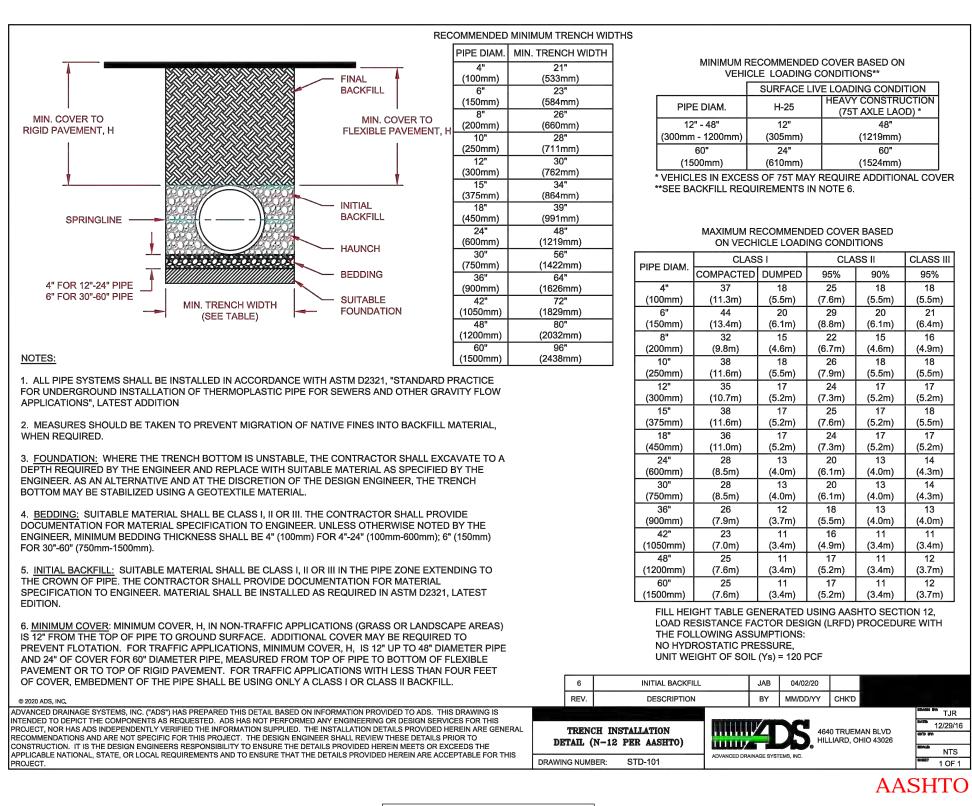
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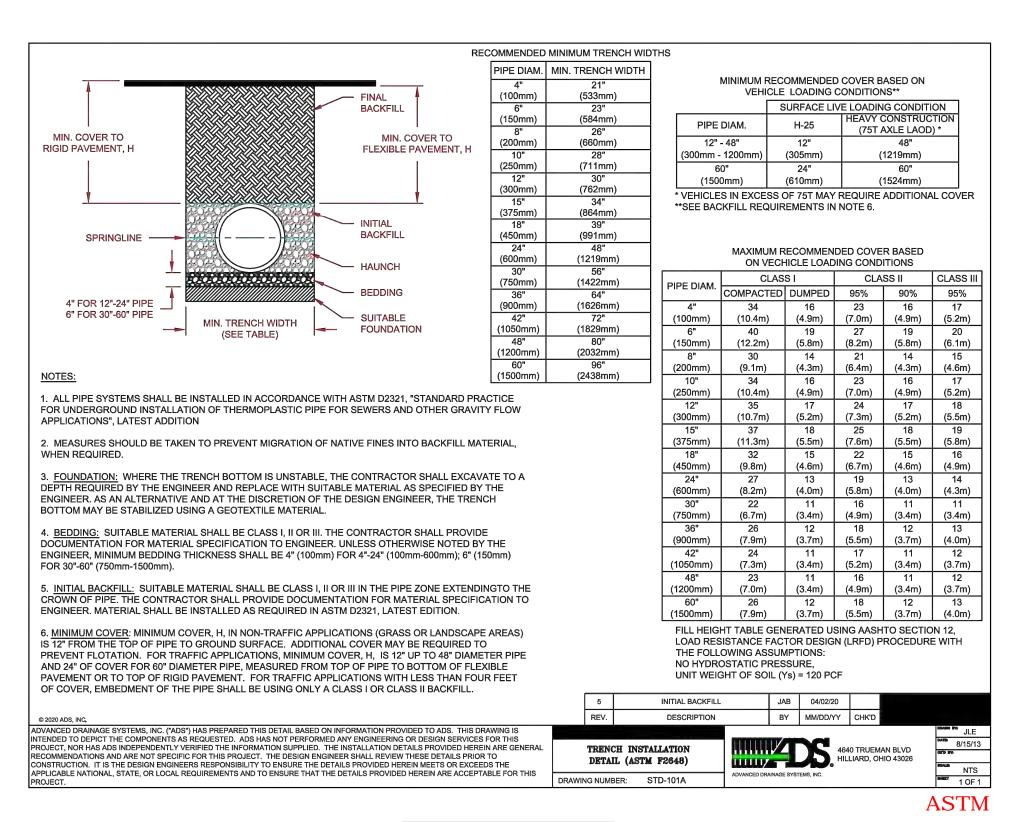
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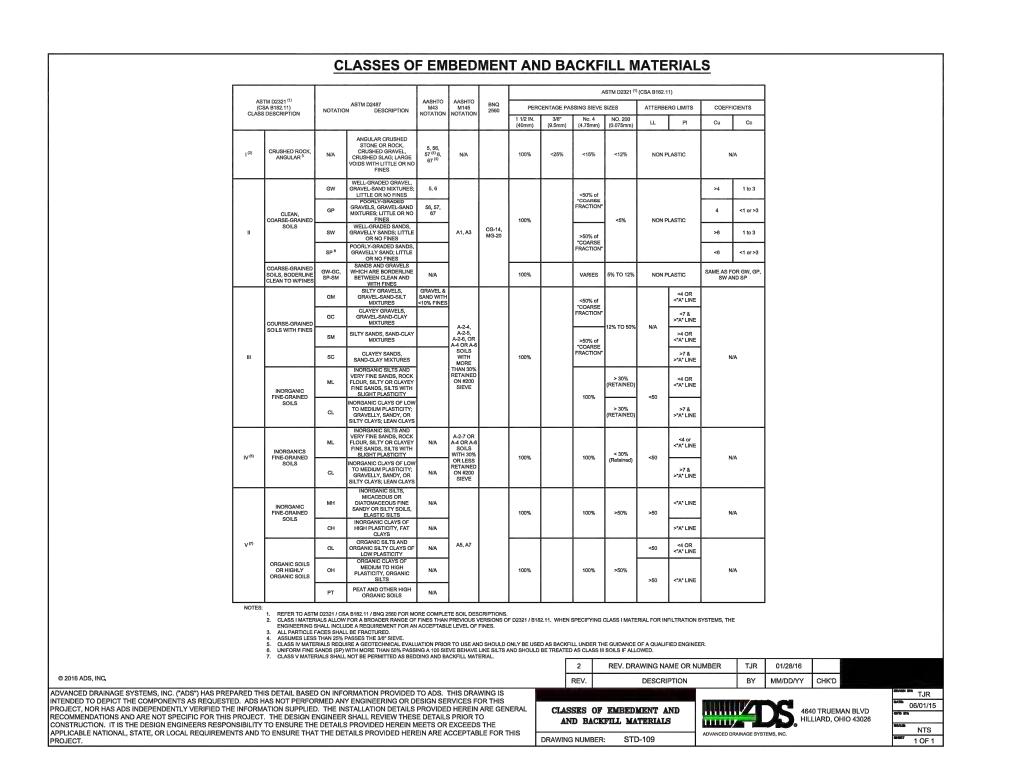
THIS DETAIL APPLIES TO HDPE

STORM PIPE BACKFILLING / INSTALLTION DETAIL



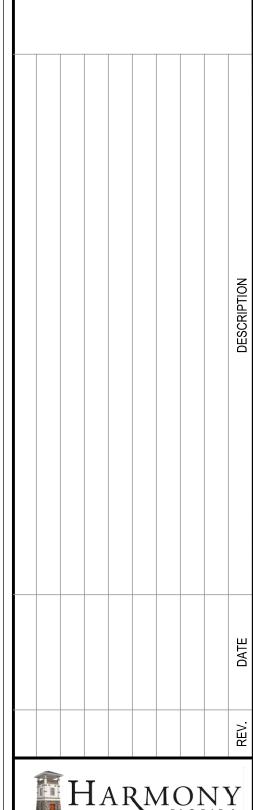
THIS DETAIL APPLIES TO HDPE

STORM PIPE BACKFILLING / INSTALLTION DETAIL



THIS DETAIL APPLIES TO HDPE

STORM PIPE BACKFILL MATERIAL DETAIL



HARMON 90% PLANS

90% PLANS

BILLY'S TRAIL RE-ALIGNMENT FROM FIVE OAKS DRIVE TO THE OXBOW COU HARMONY PHASE 3 PARK TRACT B

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Pegasus Engineering, LLC

301 West SR 434, Suite 309 Winter Springs, Florida 32708

Fax. 407-358-5155

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