

CONSTRUCTION PLANS FOR PINEAPPLE STREET ROADWAY IMPROVEMENTS FROM SOUTH AVENUE TO MASON DIXON AVENUE



CITY OF BOWLING GREEN, FLORIDA SECTION 05, TOWNSHIP 33 SOUTH, RANGE 25 EAST HARDEE COUNTY FEBRUARY 2021

PROJECT OWNER AND CONSULTANTS

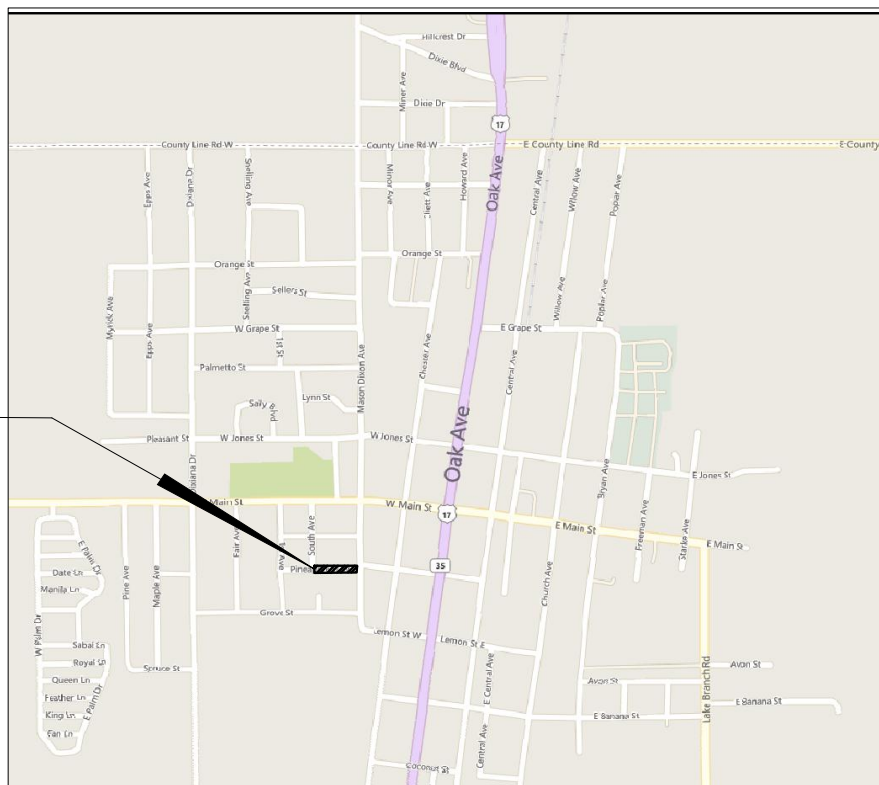
OWNER/APPLICANT:
CITY OF BOWLING GREEN
WILLIAM LAWRENCE, CITY MANAGER
104 EAST MAIN STREET, P.O. BOX 608
BOWLING GREEN, FL 33834
(863) 375-2255

CIVIL ENGINEERING CONSULTANT:
KIMLEY-HORN AND ASSOCIATES, INC.
ELISA HARDEN, P.E.
116 SOUTH KENTUCKY AVENUE
LAKELAND, FL 33801
(863) 701-8702

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION LATEST EDITION, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION, AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS:
For Design Standards Modifications click on "Design Standards" at the following web site:
<http://www.dot.state.fl.us/rddesign>

PROJECT LOCATION



LOCATION MAP



DRAWING INDEX

Sheet Number	Sheet Title
C-100	COVER SHEET
C101	GENERAL NOTES
C102	TABULATION OF QUANTITIES
C200	SITE PLAN
C300	TYPICAL SECTION

No.	REVISIONS	DATE	BY

Kimley-Horn

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Professional Engineer Seal: ELISA T. HARDEN, No. 65710, STATE OF FLORIDA

Scale: AS SHOWN
Designed By: JTB
Drawn By: JTB
Checked By: EHT

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COVER SHEET

PINEAPPLE STREET
ROADWAY IMPROVEMENTS
PREPARED FOR
CITY OF BOWLING GREEN
CITY OF BOWLING GREEN FL

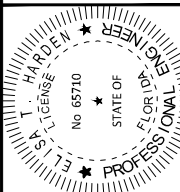

SHEET NUMBER
C-100

Plotted By: Beno, Joe Sheet Set: Pineapple Street Resurfacing Layout: C100 COVER SHEET August 17, 2021 11:27:52am K:\ok_civil\046214000 - city of bowling green\046214011 - pineapple street\CADD\CONSTR\C100 - COVER SHEET.dwg 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.

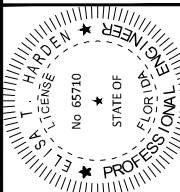

Plotted By: Beno, Joe Sheet Set: Pineapple Street Resurfacing Layout: C101 GENERAL NOTES August 17, 2021 11:28:34am K:\ok_civil\046214000 - city of bowling green\046214011 - pineapple street\CADD\CONSTR\C101 - GENERAL NOTES.dwg
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1. THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE AND BASED ON INFORMATION FURNISHED TO THE ENGINEER BY THE SURVEYOR AND THE UTILITY OWNER(S) AND ARE SHOWN AS NOTICE TO THE CONTRACTOR THAT UNDERGROUND UTILITIES EXIST. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY OWNER(S) FOR LOCATION AND STAKING OF UNDERGROUND FACILITIES BEFORE EXCAVATING.
2. ALL STATIONS AND OFFSETS ARE FROM B/L CONSTRUCTION, UNLESS OTHERWISE NOTED.
3. ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION BEFORE COMMENCING CONSTRUCTION WORK, UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. COST TO BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION TO BE ALLOWED.
4. ALL SURVEY CORNERS INDICATED ON THE PLANS SHALL BE REFERENCED AND CERTIFIED BY A REGISTERED PROFESSIONAL LAND SURVEYOR PRIOR TO COMMENCEMENT OF CONSTRUCTION ALL CORNER DESTROYED OR OBLITERATED BY CONSTRUCTION SHALL BE RESET AND SO CERTIFIED BY A LAND SURVEYOR PRIOR TO COMPLETION OF THE PROJECT. CERTIFIED SKETCHES OF RESET CORNERS SHALL BE SUBMITTED TO: KIMLEY-HORN & ASSOCIATES.
5. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED, THE CONTRACTOR SHOULD NOTIFY THE COUNTY LOCATION SURVEYOR WITHOUT DELAY BY TELEPHONE.
6. ALL CURB RADII ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
7. FLORIDA STATUTE 553.851 (1978) REQUIRES THAT BEFORE EXCAVATION, NOTICE BE GIVEN TO THE UTILITY OWNER A MINIMUM OF TWO (2) DAYS AND A MAXIMUM OF FIVE (5) DAYS, EXCLUDING SATURDAY, SUNDAY AND LEGAL HOLIDAYS. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE SUNSHINE STATE ONE-CALL 1-800-432-4770.
8. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH AND CONFORM TO THE MOST STRINGENT REQUIREMENTS OF THE PROJECT SPECIFICATIONS: THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND SUPPLEMENTS THERETO, AND THE CITY OF PLANT CITY ROADWAY STANDARDS.
9. THE DISPOSAL OF EXCESS EARTHWORK MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
10. ALL EXISTING TREES WITHIN THE RIGHT-OF-WAY IDENTIFIED AS BEING REMOVED ARE TO BE REMOVED AS CLEARING AND GRUBBING UNLESS OTHERWISE DIRECTED.
11. SOD ALL DISTURBED AREAS UNLESS OTHERWISE DIRECTED. SOD SHALL MATCH EXISTING SOD TYPE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
12. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON AVAILABLE RECORDS AND SURVEYS BUT IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO AND IS RESPONSIBLE FOR COORDINATING UTILITY RELOCATION WITH PROJECT CONSTRUCTION. PRIOR TO ORDERING DRAINAGE STRUCTURES, THE CONTRACTOR SHALL DETERMINE IF DRAINAGE/UTILITY CONFLICTS EXIST. INFORMATION ON CONFLICTS IS TO BE SUBMITTED TO THE ENGINEER AS SOON AS POSSIBLE AFTER DISCOVERY FOR RESOLUTION.
13. IF LANE CLOSURES ARE REQUIRED, CONSTRUCTION OPERATIONS SHALL BE CONFINED TO ONE TRAFFIC LANE, LEAVING THE OPPOSITE LANE OPEN TO TRAFFIC AT ALL TIMES. BOTH LANES SHALL BE OPEN TO TRAFFIC DURING NON-WORKING HOURS. FOR GENERAL TRAFFIC CONTROL, ZONE REQUIREMENTS AND ADDITIONAL INFORMATION, PLEASE REFER TO FDOT STANDARD PLANS 102-600.
14. ALL SIGNING AND STRIPING WITHIN THE RIGHT-OF-WAY IS TO BE IN ACCORDANCE WITH FDOT STANDARD PLANS 711-001.

15. ALL PAVEMENT MARKINGS WITHIN RIGHT-OF-WAY SHALL BE THERMOPLASTIC.
16. EXISTING PAVEMENT MARKINGS THAT ARE IN CONFLICT WITH PROPOSED MARKINGS SHALL BE REMOVED BY AN FDOT ACCEPTABLE METHOD.
17. ALL RPM PLACEMENT WITHIN THE RIGHT-OF-WAY IS TO BE IN ACCORDANCE WITH FDOT STANDARD PLANS 706-001.
18. SIDEWALK JOINTS TO BE INSTALLED PER DETAILS ON FDOT STANDARD PLANS 522-001 FOR ALL SIDEWALKS. ALL JOINTS SHALL BE SAW CUT AS PER FDOT STANDARDS.
19. THE FINISHED ROADWAY SECTION SHALL BE SMOOTH AND SET TO DRAIN.
20. THE EXACT LOCATIONS OF BACK SLOPE LINES AND LIMITS OF CONSTRUCTION WILL BE IN ACCORDANCE WITH THE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
21. CONTRACTOR SHALL ADJUST ALL UTILITY LIDS AND COVERS TO FINISHED GRADE AS REQUIRED. ADJUSTMENTS TO BE INCLUDED IN CONTRACTORS BID.
22. ITEMS IN CONFLICT WITH DESIGN SUCH AS EXISTING CURBS AND GUTTERS, SIDEWALKS, DRAINAGE STRUCTURES, PAVEMENT AND BASE AND EXCESS EXCAVATIONS ARE TO BE REMOVED BY CONTRACTOR AND DISPOSED OF IN A LEGAL AND PROPER MANNER AWAY FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE UNLESS THE ITEMS ARE TO BE REUSED ON THE PROJECT.
23. MAINTENANCE OF TRAFFIC SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE COORDINATED WITH THE CITY MANAGER. THE MAINTENANCE OF TRAFFIC FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS 102-600 SERIES, AND THESE DOCUMENTS; THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. DEPARTMENT OF TRANSPORTATION, FHWA), SHALL BE FOLLOWED IN THE DESIGN, APPLICATION, INSTALLATION, MAINTENANCE AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS NECESSARY TO PROTECT THE PUBLIC AND WORKMEN FROM HAZARDS WITHIN THE PROJECT LIMITS. PEDESTRIAN AND VEHICULAR TRAFFIC SHALL BE MAINTAINED AND PROTECTED AT ALL TIMES.
24. THE LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY; THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR. RELOCATION OF UTILITIES SHALL BE COORDINATED WITH UTILITY COMPANIES AFTER IDENTIFICATION OF CONFLICT BY CONTRACTOR. CONTRACTOR SHALL NOTIFY ENGINEER IN ADVANCE BEFORE ANY RELOCATION.
25. THE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR 48 HOURS IN ADVANCE OF ANY EXCAVATION INVOLVING THEIR UTILITIES SO THAT COMPANY REPRESENTATIVE CAN BE PRESENT.
26. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES OR UNDERGROUND UTILITIES.
27. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE.
28. STAGING AND MATERIAL STORAGE SHALL NOT BE CONDUCTED ON ABUTTING PRIVATE PROPERTY WITHOUT APPROVAL FROM THE OWNER.
29. ALL CONTRACTORS AND/OR PERMITTEES WHO CONTRACT THE APPLICATION OF FERTILIZER SHALL ENSURE THEY ARE LICENSED COMMERCIAL APPLICATORS WHO HAVE BEEN TRAINED THROUGH THE GREEN INDUSTRY BMP PROGRAM, AND HAVE OBTAINED A LIMITED CERTIFICATION FOR URBAN LANDSCAPE COMMERCIAL FERTILIZER APPLICATION UNDER SECTION 482-1562, FS. WITH A CURRENT COPY OF THE LICENSE ON FILE.
30. CONSTRUCTION INSPECTIONS AND CONTRACTOR COORDINATION TO BE PROVIDED BY THE CITY OF BOWLING GREEN STAFF.
31. ALL ROADWAY STRIPING, INCLUDING ROAD C/L, SOLID AND SKIP LINES, STOP BARS, CROSS-WALK STRIPES, ETC. DURING CONSTRUCTION TEMPORARY PAINT SHALL BE USED PRIOR TO APPLICATION OF THERMOPLASTIC PAINT.

GENERAL NOTES			<p style="font-size: small;">© 2021 KIMLEY-HORN AND ASSOCIATES, INC. 116 SOUTH KENTUCKY AVENUE, LAKELAND, FL 33801 PHONE: 863-701-8702 WWW.KIMLEY-HORN.COM CA 00000696</p>
PINEAPPLE STREET ROADWAY IMPROVEMENTS PREPARED FOR CITY OF BOWLING GREEN	CITY OF BOWLING GREEN	Kimley-Horn	
SHEET NUMBER C101	KHA PROJECT 046214011	DATE FEB. 2021	SCALE AS SHOWN DESIGNED BY EH DRAWN BY JB CHECKED BY EH
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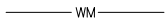
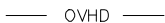


DETAILED QUANTITIES ESTIMATE PINEAPPLE STREET SOUTH AVENUE TO MASON DIXON AVENUE STA: 0+00 TO STA: 3+55 (355 LF +/-)			
ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY	UNIT
0101 1	MOBILIZATION/DEMobilIZATION	1	LS
0102 1	MAINTENANCE OF TRAFFIC	1	LS
0327 70 1	MILLING EXISTING ASPHALT PAV'T 1" AVG. DEPTH	540	SY
0334 1 11	SUPERPAVE ASPH. CONC., TRAFFIC A (1" SP 9.5)	30	TN
0334 1 11	SUPERPAVE ASPH. CONC., TRAFFIC A (1.5" SP 12.5)	45	TN
0711 11125	THERMOPLASTIC STANDARD, WHITE, 24"	8	LF






PINEAPPLE STREET ROADWAY IMPROVEMENTS PREPARED FOR CITY OF BOWLING GREEN CITY OF BOWLING GREEN FL	TABULATION OF QUANTITIES	KHA PROJECT 046214011 DATE FEB. 2021 SCALE AS SHOWN DESIGNED BY JIB DRAWN BY JIB CHECKED BY EH		 © 2021 KIMLEY-HORN AND ASSOCIATES, INC. 116 SOUTH KENTUCKY AVENUE, LAKELAND, FL 33801 PHONE: 863-701-8702 WWW.KIMLEY-HORN.COM CA 00000696	No.	REVISIONS	DATE	BY

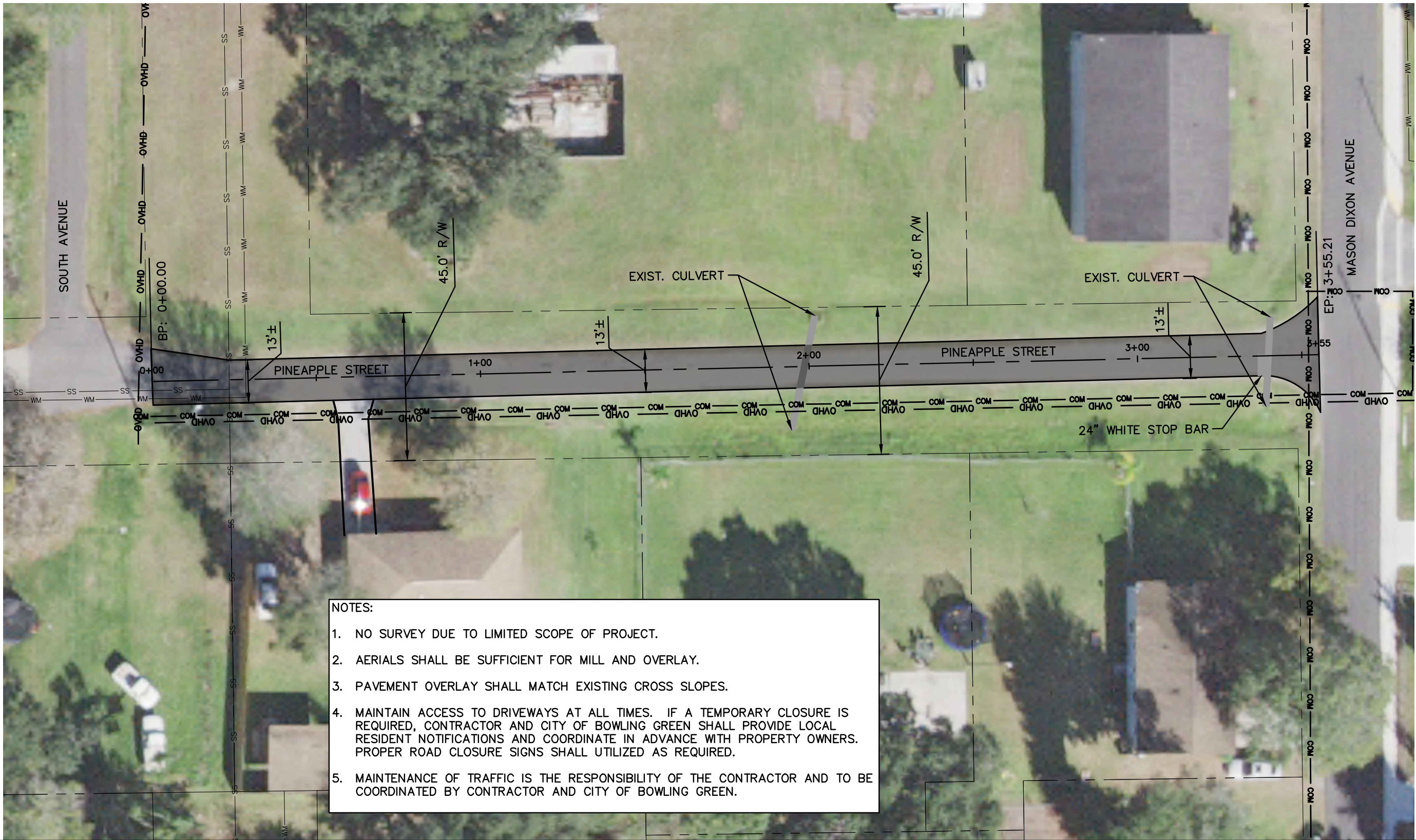
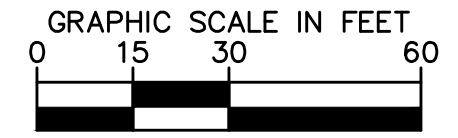
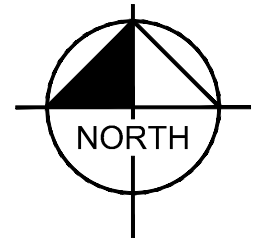
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LEGEND

- PROPOSED MILLING AND RESURFACING 
- EXIST. WATER MAIN 
- EXIST. OVERHEAD ELECTRIC 
- EXIST. SANITARY SEWER 
- EXIST. COMMUNICATIONS 

- EXIST. STORM SEWER 
- EXIST. STORM STRUCTURES 
- EXIST. WOOD POLE 
- EXIST. FIRE HYDRANT 
- EXIST. SANITARY MANHOLE 



- NOTES:**
1. NO SURVEY DUE TO LIMITED SCOPE OF PROJECT.
 2. AERIALS SHALL BE SUFFICIENT FOR MILL AND OVERLAY.
 3. PAVEMENT OVERLAY SHALL MATCH EXISTING CROSS SLOPES.
 4. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES. IF A TEMPORARY CLOSURE IS REQUIRED, CONTRACTOR AND CITY OF BOWLING GREEN SHALL PROVIDE LOCAL RESIDENT NOTIFICATIONS AND COORDINATE IN ADVANCE WITH PROPERTY OWNERS. PROPER ROAD CLOSURE SIGNS SHALL UTILIZED AS REQUIRED.
 5. MAINTENANCE OF TRAFFIC IS THE RESPONSIBILITY OF THE CONTRACTOR AND TO BE COORDINATED BY CONTRACTOR AND CITY OF BOWLING GREEN.

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KIMLEY-HORN AND ASSOCIATES, INC.
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 LICENSE NO. 65710

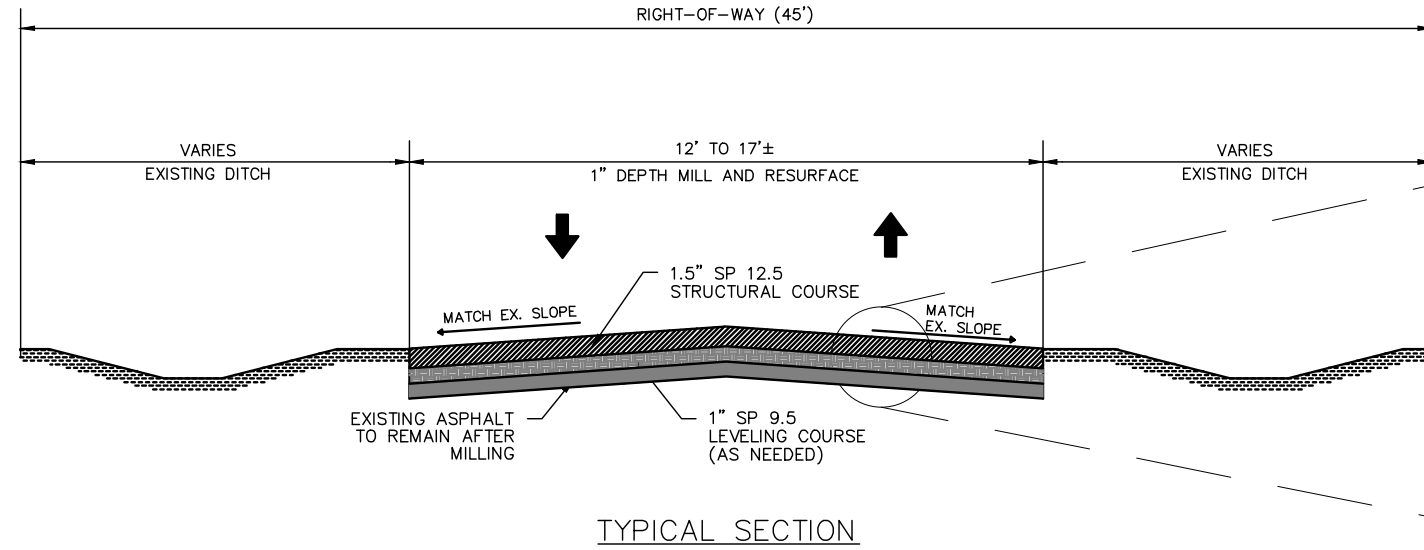
DESIGNED BY: JIB
 DRAWN BY: JIB
 CHECKED BY: EHT

SITE PLAN

PINEAPPLE STREET
 ROADWAY IMPROVEMENTS
 PREPARED FOR
 CITY OF BOWLING GREEN FL

SHEET NUMBER
C200

Plotted By: Beno, Joe Sheet Set: Pineapple Street Resurfacing Layout: C300 TYPICAL SECTION August 17, 2021 11:31:02am K:\ok_civil\046214000 - city of bowling green\046214011 - pineapple street\CADD\CONSTR\C300 - TYPICAL SECTION.dwg
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TYPICAL SECTION

NOTE:
 BASE MATERIAL MAY BE EXPOSED DURING MILLING OPERATIONS. IF ENCOUNTERED, CONTRACTOR IS RESPONSIBLE FOR PROVIDING PRIME AND TACK COATS PRIOR TO PAVING.

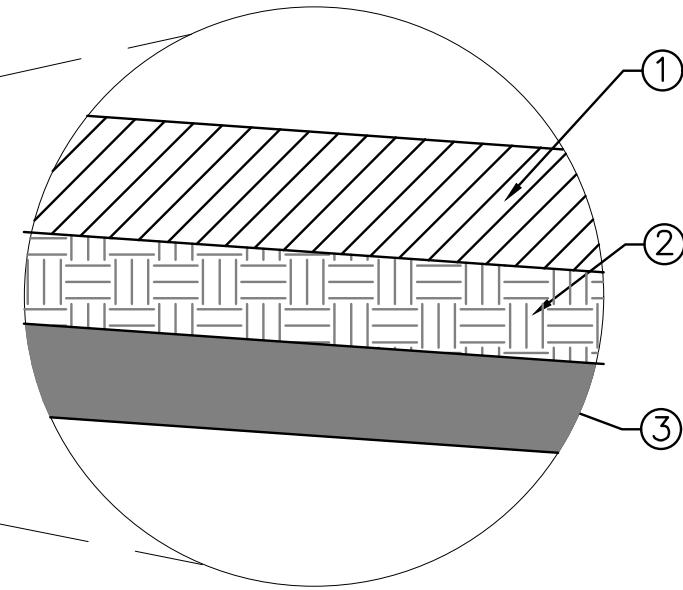
PAVEMENT MILLING AND RESURFACING

MILLING – 1" CONSTANT DEPTH MILLING OF EXISTING ASPHALT SHALL BE UTILIZED. MATCH EXISTING SLOPE OF ROADWAY.

RESURFACING – SP 9.5 LEVELING COURSE (1") AS NEEDED
 SP 12.5 STRUCTURAL COURSE (1.5")

- ① SP 12.5 STRUCTURAL COURSE (1.5")
- ② SP 9.5 LEVELING COURSE (1")
- ③ EXISTING ASPHALT TO REMAIN AFTER MILLING.

ASPHALT PER FDOT SPECIFICATIONS



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KHA PROJECT 046214011	DATE FEB. 2021	SCALE AS SHOWN	DESIGNED BY EH	DRAWN BY JB	CHECKED BY EH
TYPICAL SECTION					
PINEAPPLE STREET ROADWAY IMPROVEMENTS PREPARED FOR CITY OF BOWLING GREEN CITY OF BOWLING GREEN FL					
SHEET NUMBER C300					
				No.	DATE
				REVISIONS	BY

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