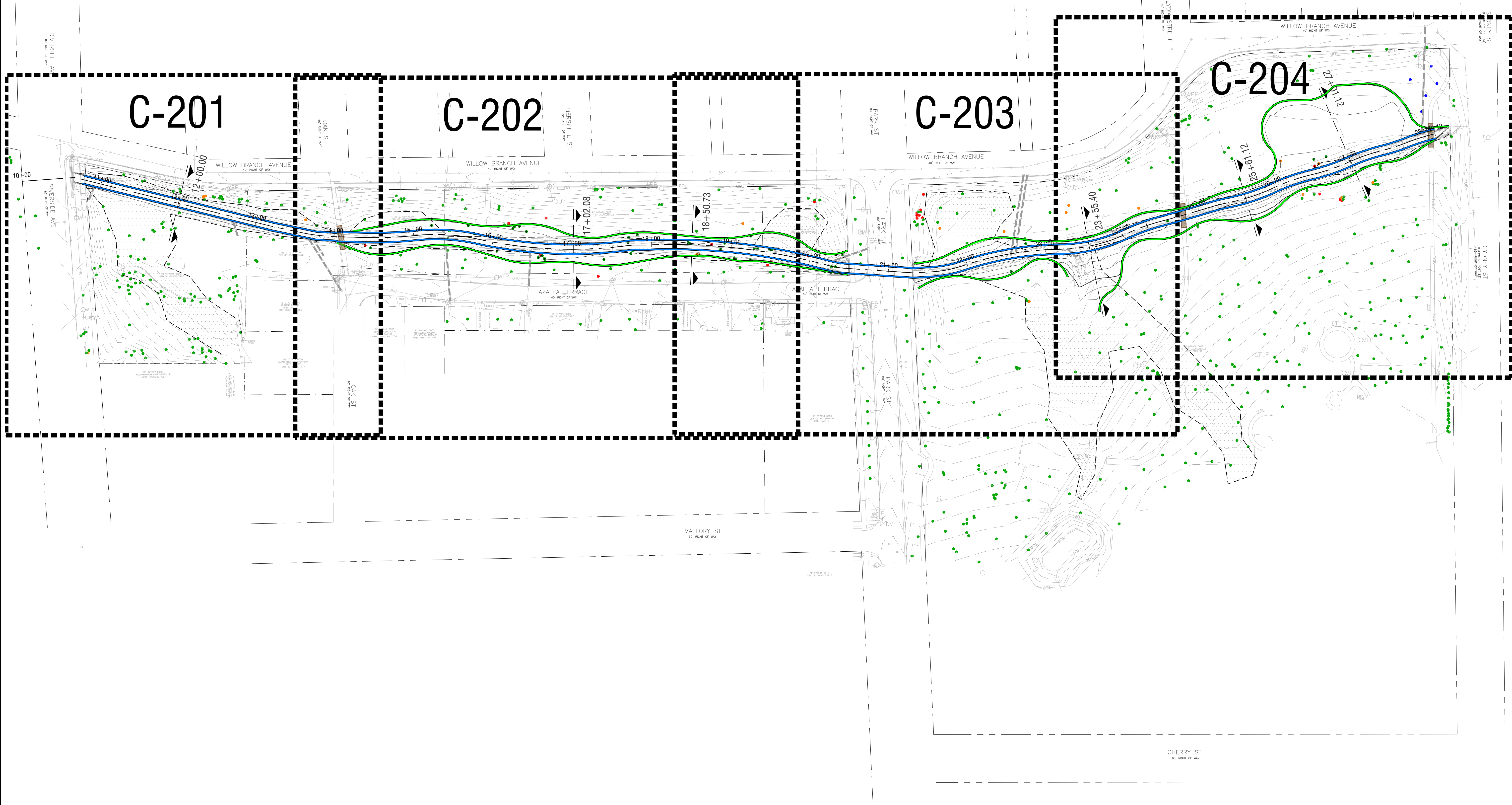




APPROXIMATE TIDAL DATUMS	
DATUM	ELEVATION (NAVD88)
MEAN HIGHER-HIDE WATER (MHHW)	0.59
MEAN HIGH WATER (MHW)	0.54
MEAN SEA LEVEL (MSL)	-0.21
MEAN LOW WATER (MLW)	-1.05
MEAN LOWER-LOW WATER (MLLW)	-1.15

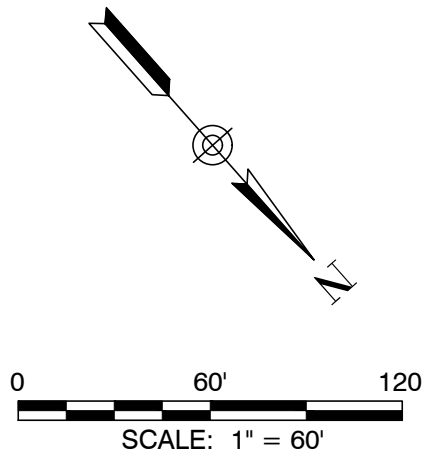
SOURCE: NOAA (VALUES ARE INTERPOLATED BETWEEN THE MAIN STREET BRIDGE AND BUCKMAN BRIDGE TIDE STATIONS)

STORM SURGE ELEVATIONS	
ANNUAL CHANCE EVENT	ELEVATION (NAVD88)
10%	2.4
4%	2.6
2%	3.2
1%	4.0
0.20%	5.9
HURRICANE IRMA	5.5

SOURCE: FEMA FLOOD INSURANCE STUDY

TREES REMOVED		
SPECIES	INCHES REMOVED	COUNT REMOVED
PROTECTED		
COTTONWOOD	9	1
HICKORY	64	3
LIGUSTRUM	10	1
MAGNOLIA	0	0
MO	125	6
MYRTLE	24	1
OAK	281	16
WATER OAK	0	0
PALM	459	24
PECAN	0	0
SWEETGUM	141	4
WILLOW	16	1
TOTAL	1,129	57
NOT PROTECTED		
CAMPHOR	40	3
MULBERRY	108	4
TOTAL	148	7

LEGEND	
	PEDESTRIAN BRIDGE TO BE REPLACED
	PROPOSED ENVIROLOCK GEOBAG STABILIZED SLOPE
	PROPOSED ENVIROLOCK GEOBAG AND/OR ROLANKA BIOD-BLOCK STABILIZED SLOPE
	PROPOSED CHANNEL CENTERLINE
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING TREE - PROTECTED
	EXISTING TREE - INVASIVE
	EXISTING TREE - DEAD/DISEASED/DYING
	EXISTING TREE - MEMORIAL
	EXISTING TREE - IMPACTED/REMOVED
	WETLAND LINE
	RIGHT OF WAY LINE
	EXISTING STORM PIPE



PROJECT NAME

WILLOW BRANCH CANAL STABILIZATION

PREPARED FOR

CITY OF JACKSONVILLE
DEPARTMENT OF PUBLIC WORKS

9985 GATE PARKWAY N, SUITE 200
JACKSONVILLE, FLORIDA USA 32246
PHONE 904.730.9360 WWW.HALFF.COM
FL CA 33380 FLC 26000645

REVISIONS	NO.	DATE	DESCRIPTION

SEAL

PRELIMINARY - NOT FOR CONSTRUCTION

PROJECT NO.: 47408.001
ISSUED: 9/20/2024
DRAWN BY: RWE
CHECKED BY: GS
SCALE: 1" = 60"

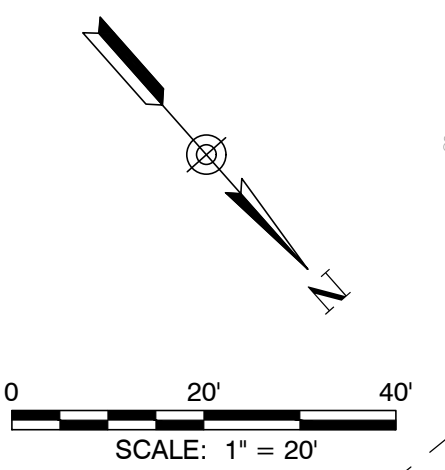
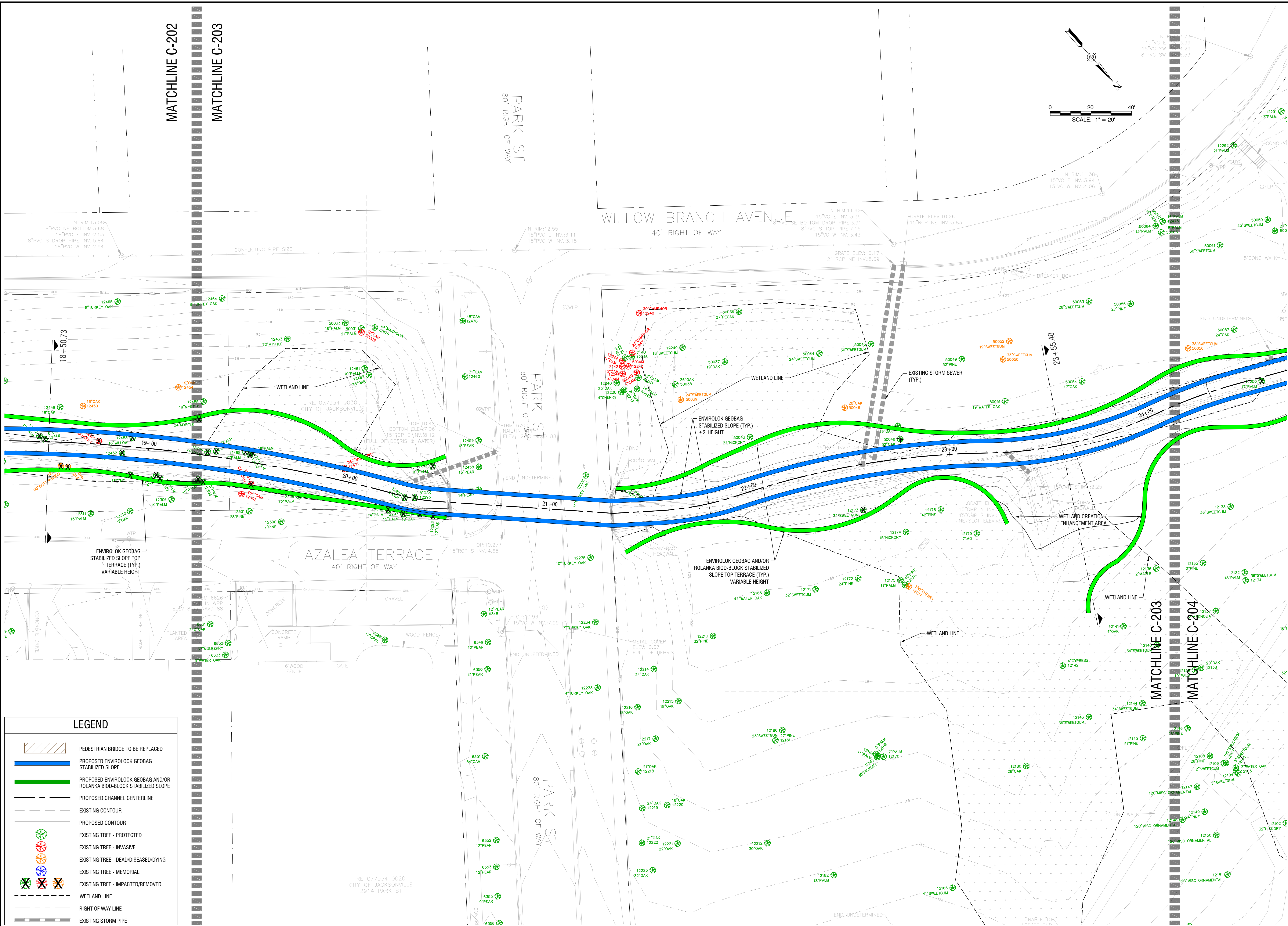
CONCEPT 4A
OVERALL
GRADING PLAN

C-200



WILLOW BRANCH CANAL STABILIZATION		CITY OF JACKSONVILLE DEPARTMENT OF PUBLIC WORKS	
PROJECT NAME		PREPARED FOR	
 halff 9985 GATE PARKWAY N, SUITE 200 JACKSONVILLE, FLORIDA USA 32246 PHONE 904.730.9360 WWW.HALFF.COM FL CA 33380 FL LC 26000645			
REVISIONS		DESCRIPTION	
NO.	DATE		
SEAL			
PRELIMINARY - NOT FOR CONSTRUCTION			
PROJECT NO.:		47408.001	
ISSUED:		9/20/2024	
DRAWN BY:		RWE	
CHECKED BY:		GS	
SCALE:		1"= 20'	
CONCEPT 4A GRADING PLAN			
C-201			

9/20/2024 9:38:10 AM Richard Elmore A:\47408\47408001\ProjectResources\CA04\Exhibit\Concept 4A_Creative_Maps & Added Wetlands.dwg



LEGEND

- PEDESTRIAN BRIDGE TO BE REPLACED
- PROPOSED ENVIROLOCK GEOBAG STABILIZED SLOPE
- PROPOSED ENVIROLOCK GEOBAG AND/OR ROLANKA BIOD-BLOCK STABILIZED SLOPE
- PROPOSED CHANNEL CENTERLINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING TREE - PROTECTED
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- EXISTING TREE - IMPACTED/REMOVED
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- RIGHT OF WAY LINE
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PROJECT NAME

WILLOW BRANCH CANAL
STABILIZATION

PREPARED FOR

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ISSUED: 9/20/2024
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SCALE: 1"= 20'

CONCEPT 4A
GRADING PLAN

C-203

