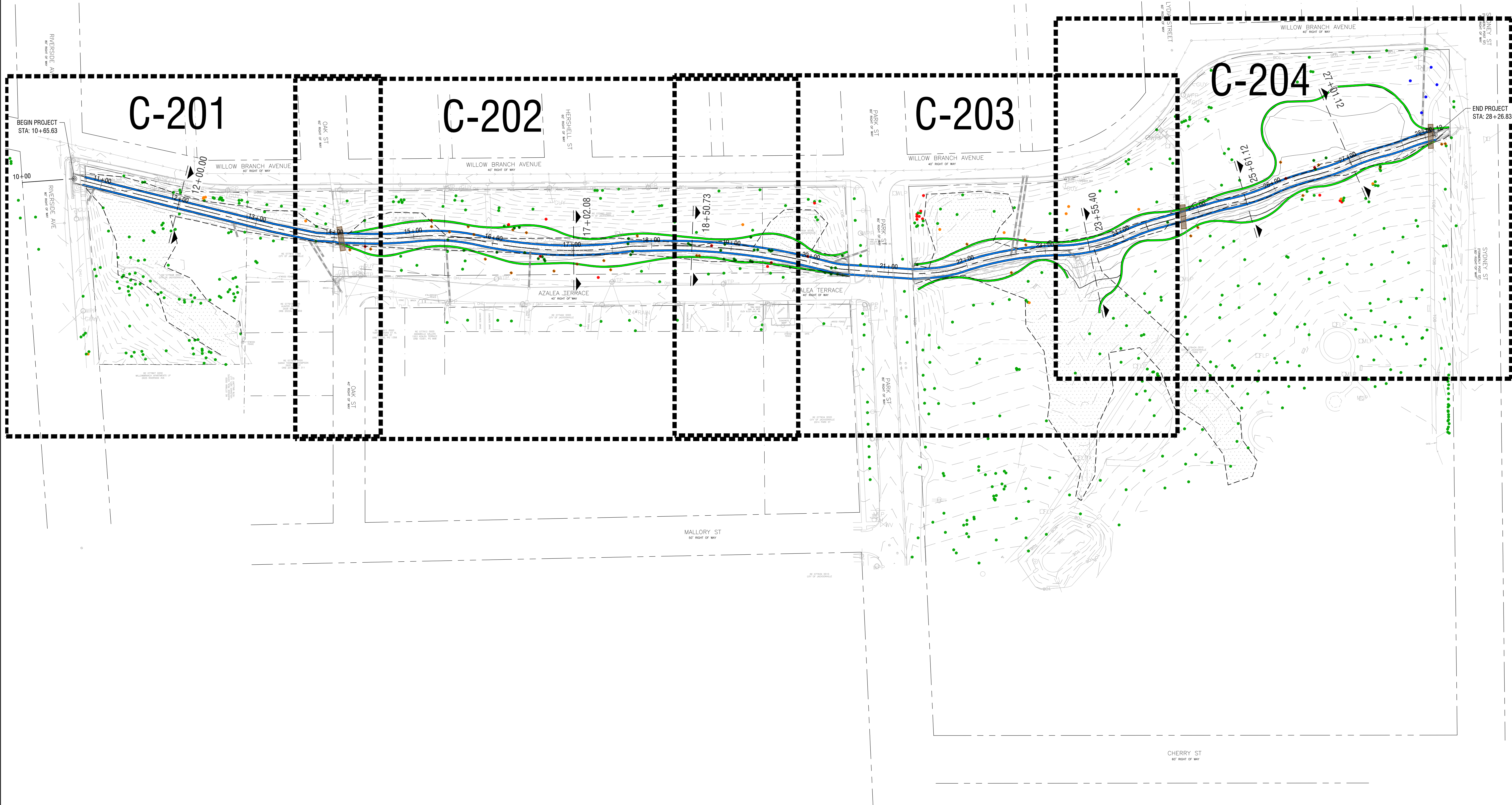




APPROXIMATE TIDAL DATUMS

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

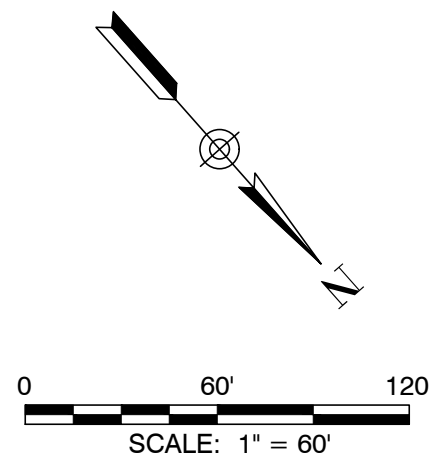
ANNUAL CHANCE EVENT	ELEVATION (NAVD88)
10%	2.4
4%	2.6
2%	3.2
1%	4.0
0.20%	5.9
HURRICANE IRMA	5.5

SOURCE: FEMA FLOOD INSURANCE STUDY

SPECIES	TREES REMOVED	
	INCHES REMOVED	COUNT REMOVED
PROTECTED		
COTTONWOOD	9	1
HICKORY	88	4
LIGUSTRUM	10	1
MAGNOLIA	0	0
MO	125	6
MYRTLE	24	1
OAK	488	24
WATER OAK	0	0
PALM	485	27
PECAN	0	0
SWEETGUM	229	8
WILLOW	16	1
TOTAL	1,474	73
NOT PROTECTED		
CAMPBOR	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
- LOD
- LIMITS OF DISTURBANCE



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

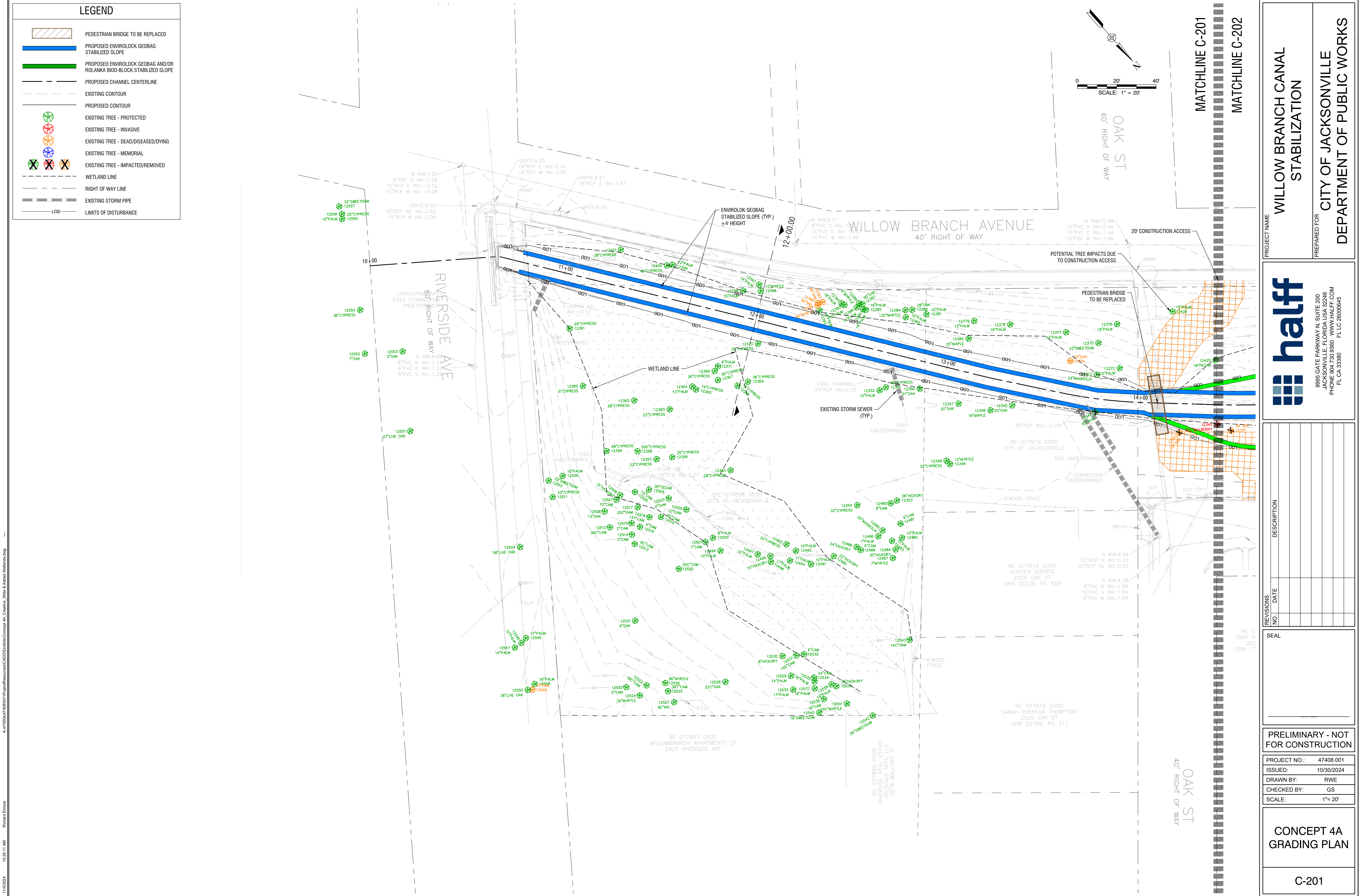
SEAL

PRELIMINARY - NOT FOR CONSTRUCTION

PROJECT NO.: 47408.001
ISSUED: 10/30/2024
DRAWN BY: RWE
CHECKED BY: GS
SCALE: 1" = 60"

CONCEPT 4A
OVERALL
GRADING PLAN

C-200



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		DESCRIPTION
NO.	DATE	

SEAL

RE 0
TONY R
292
ORB 17

PRELIMINARY - NOT FOR CONSTRUCTION

PROJECT NO.: 47408.001
ISSUED: 10/30/2024
DRAWN BY: RWE
CHECKED BY: GS
SCALE: 1"= 20'

CONCEPT 4A GRADING PLAN

C-201

