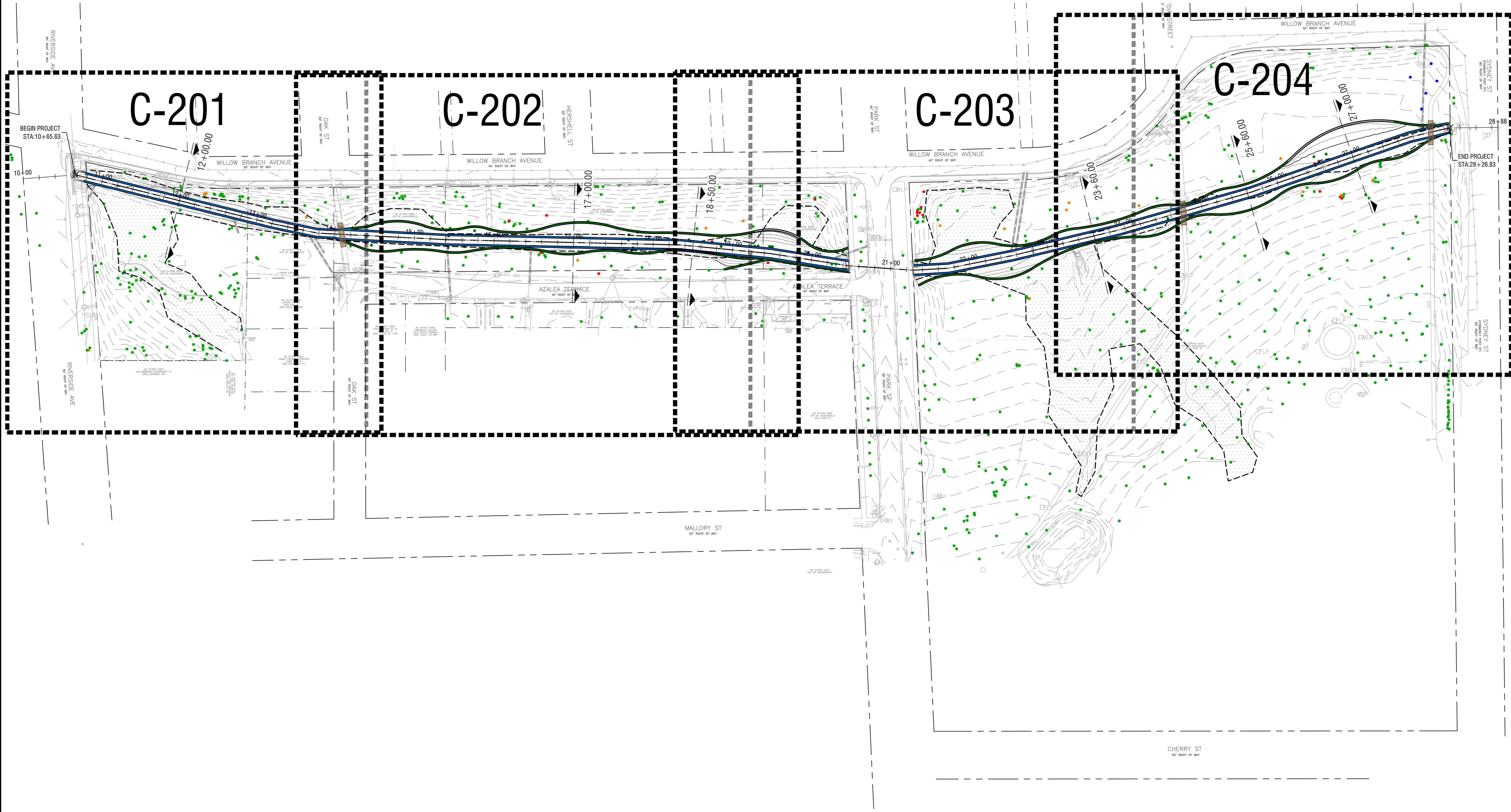




APPROXIMATE TIDAL DATUMS	
DATUM	ELEVATION (NAVD88)
MEAN HIGHER-HIGH WATER (MHHW)	0.59
MEAN HIGH WATER (MHW)	0.54
MEAN SEA LEVEL (MSL)	-0.21
MEAN LOW WATER (MLW)	-1.05
MEAN LOWER-LOW WATER (MLLW)	-1.15

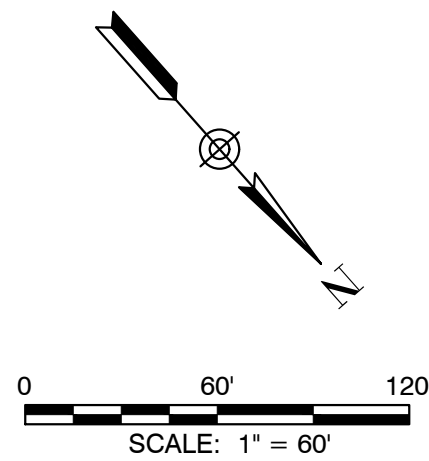
SOURCE: NOAA (VALUES ARE INTERPOLATED BETWEEN THE MAIN STREET BRIDGE AND BUCKMAN BRIDGE TIDE STATIONS)

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	52	2
LIGUSTRUM	0	0
MAGNOLIA	0	0
MO	186	7
MYRTLE	24	1
OAK	80	7
WATER OAK	0	0
PALM	459	25
PECAN	0	0
SWEETGUM	106	3
WILLOW	16	1
TOTAL	932	47
NOT PROTECTED		
CAMPBELL	32	2
MULBERRY	108	4
TOTAL	140	6

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 904.730.9380 WWW.HALFF.COM
FL CA 33380 FLC 26000645

REVISIONS
NO. DATE DESCRIPTION

SEAL

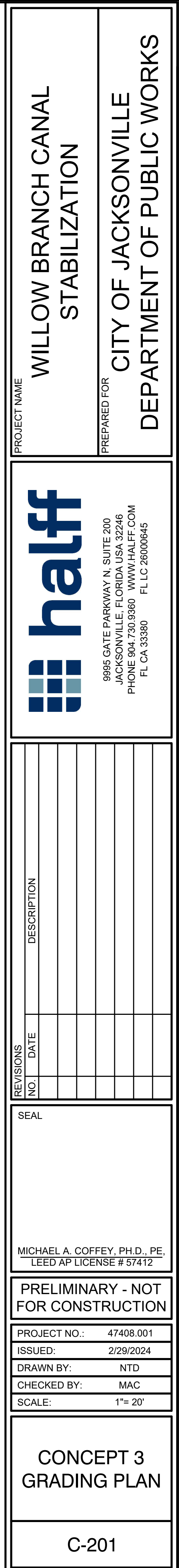
MICHAEL A. COFFEY, PH.D., PE
LEED AP LICENSE # 57412

PRELIMINARY - NOT
FOR CONSTRUCTION

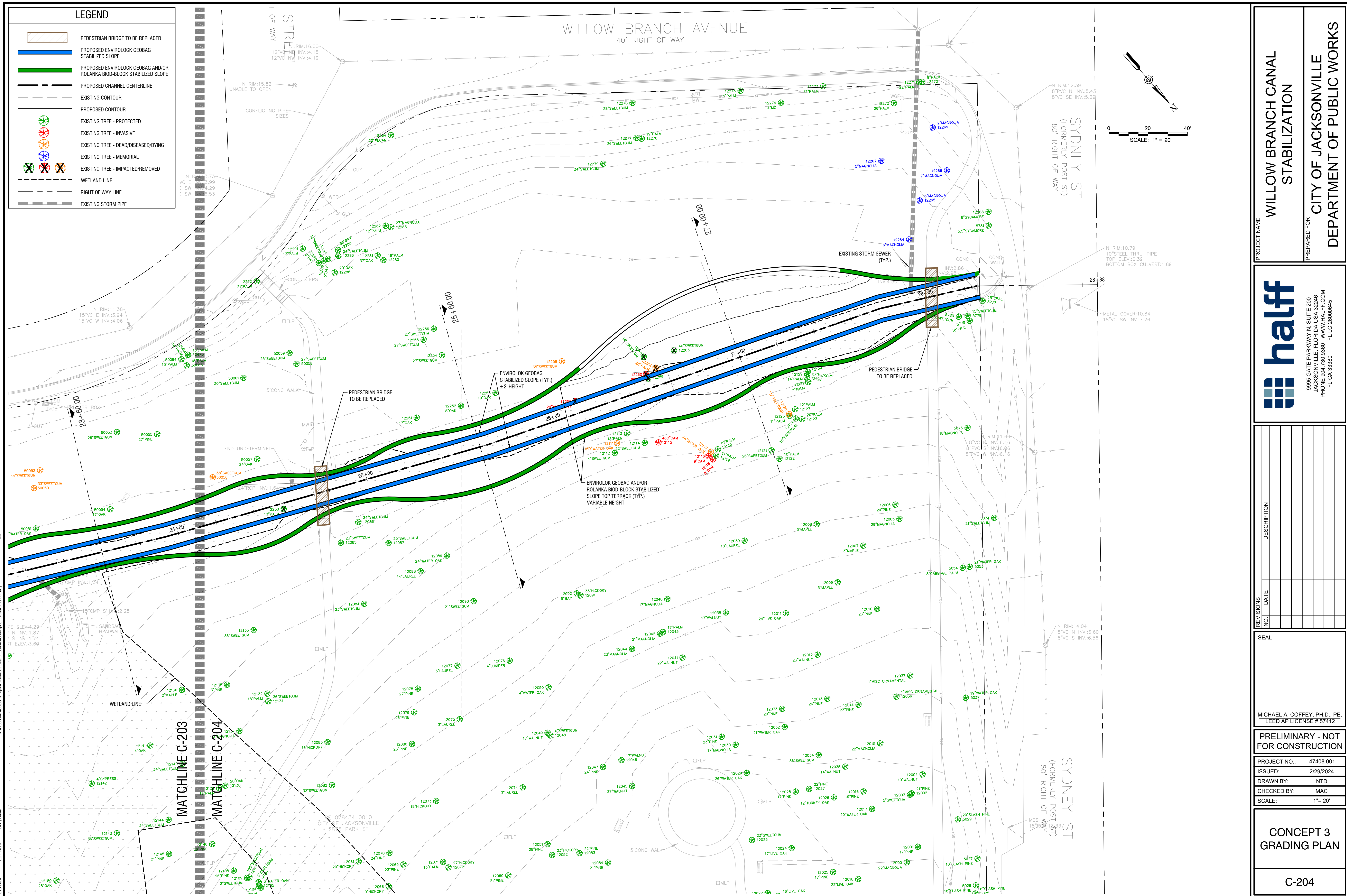
PROJECT NO.: 47408.001
ISSUED: 2/29/2024
DRAWN BY: NTD
CHECKED BY: MAC
SCALE: 1"= 20'

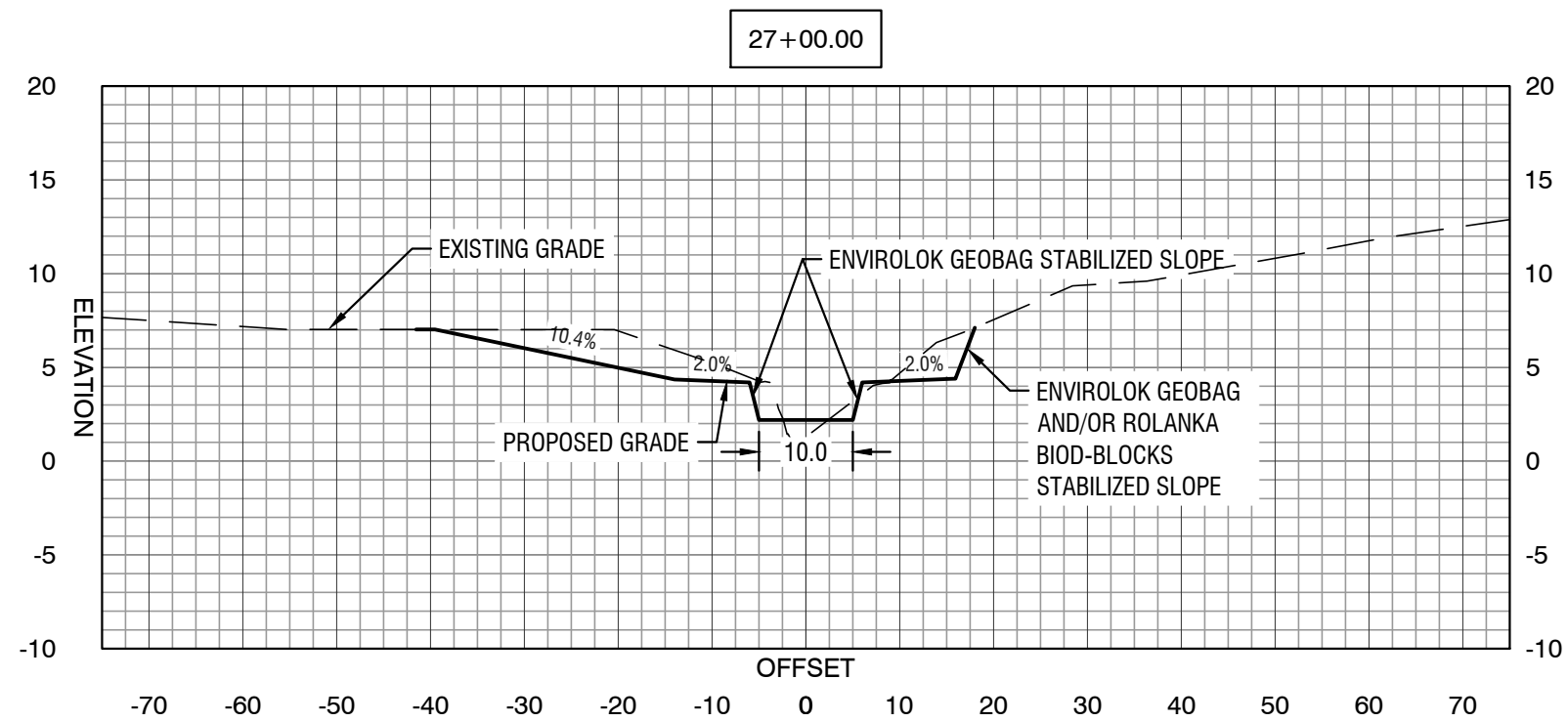
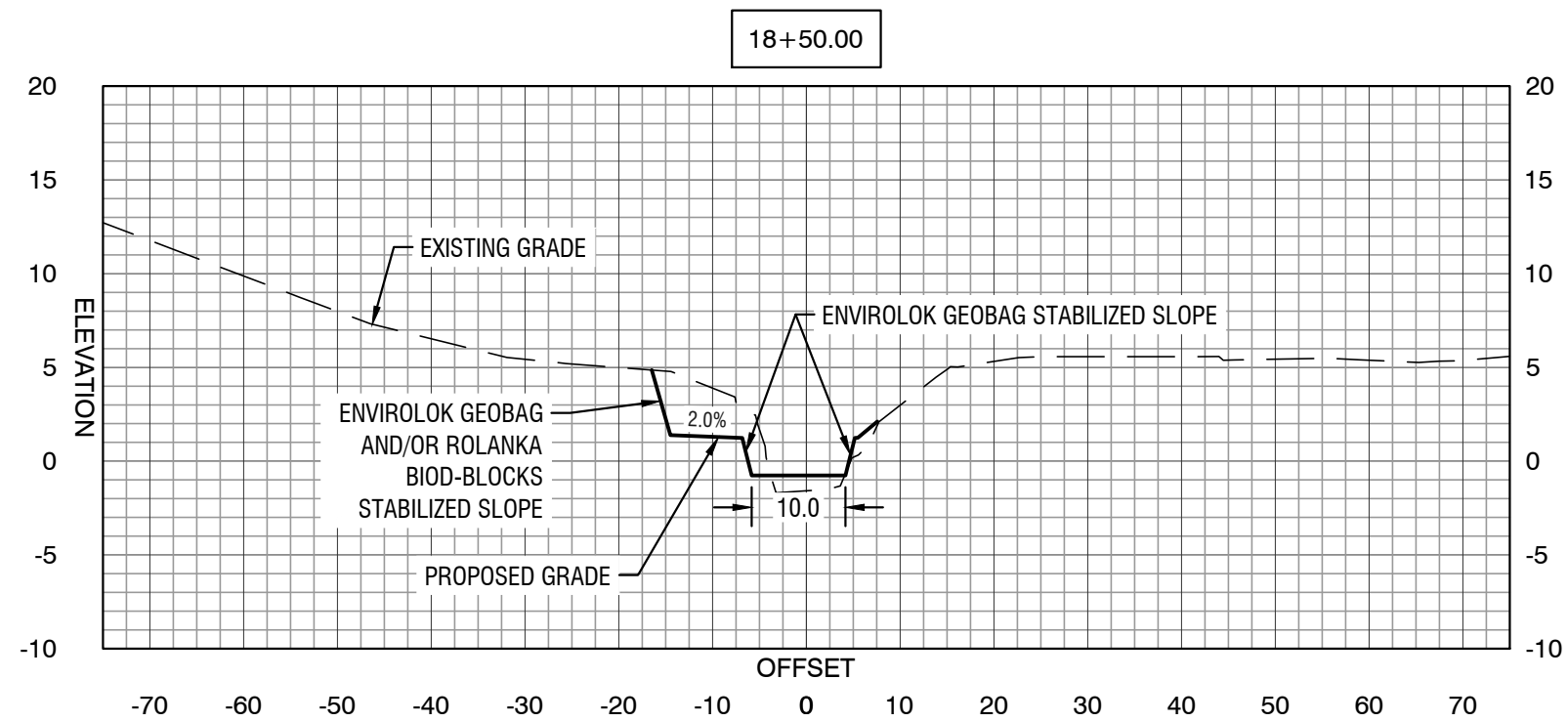
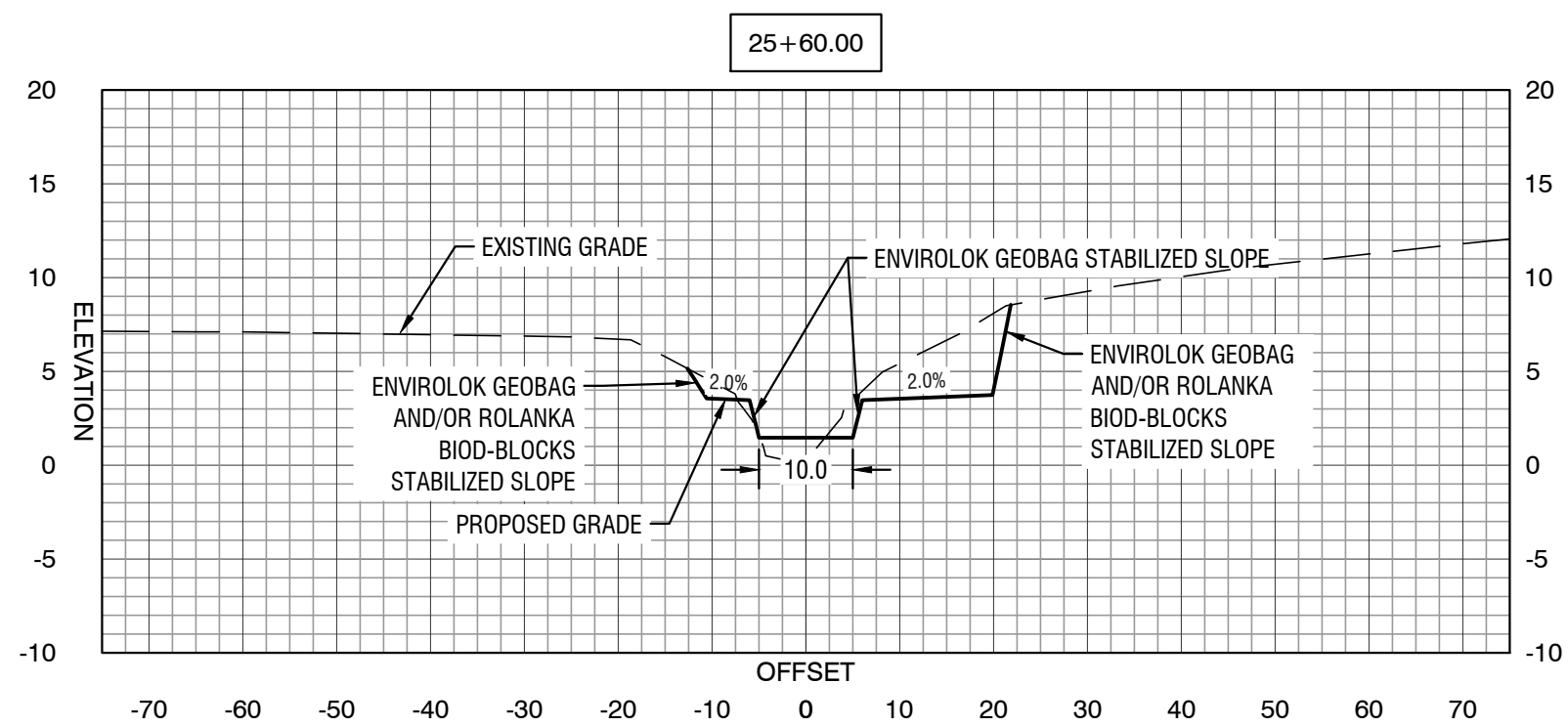
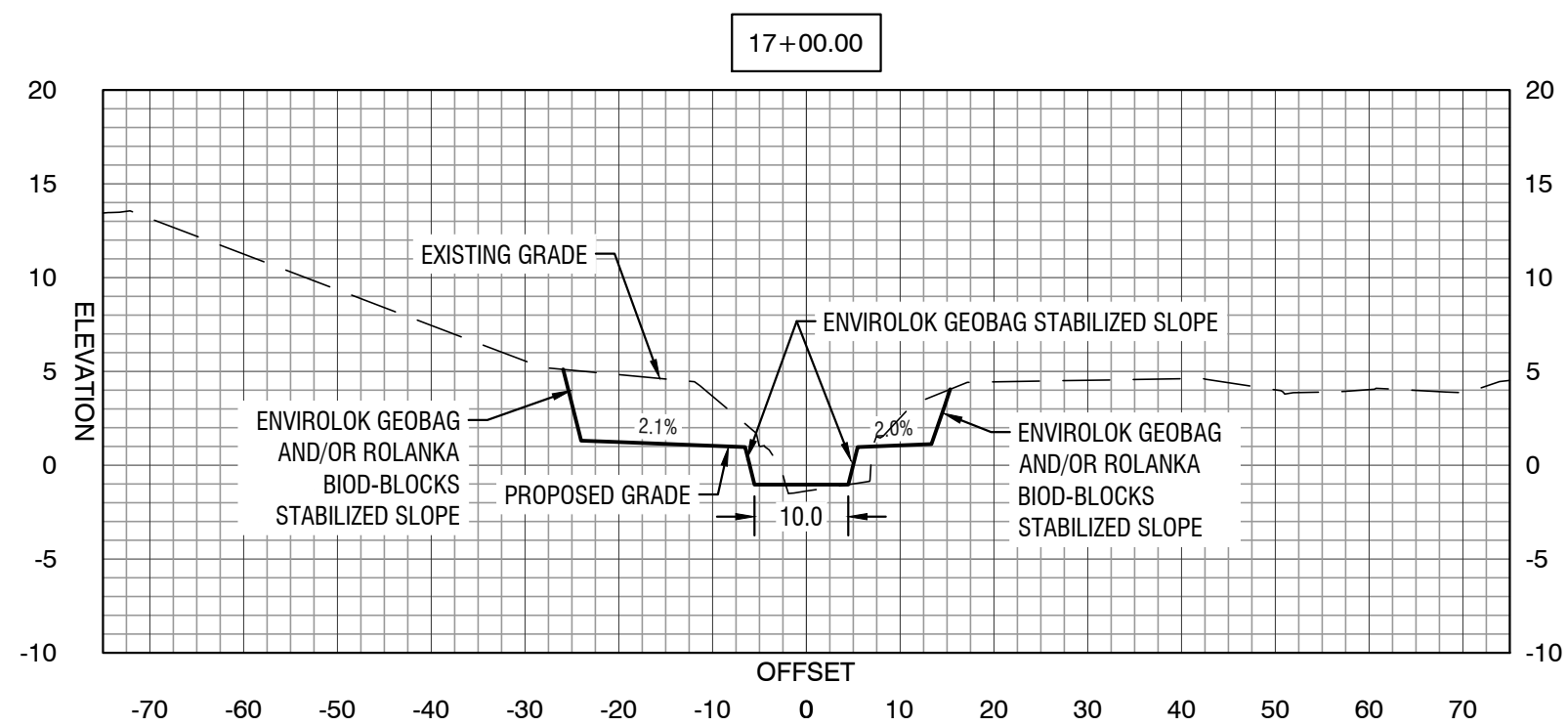
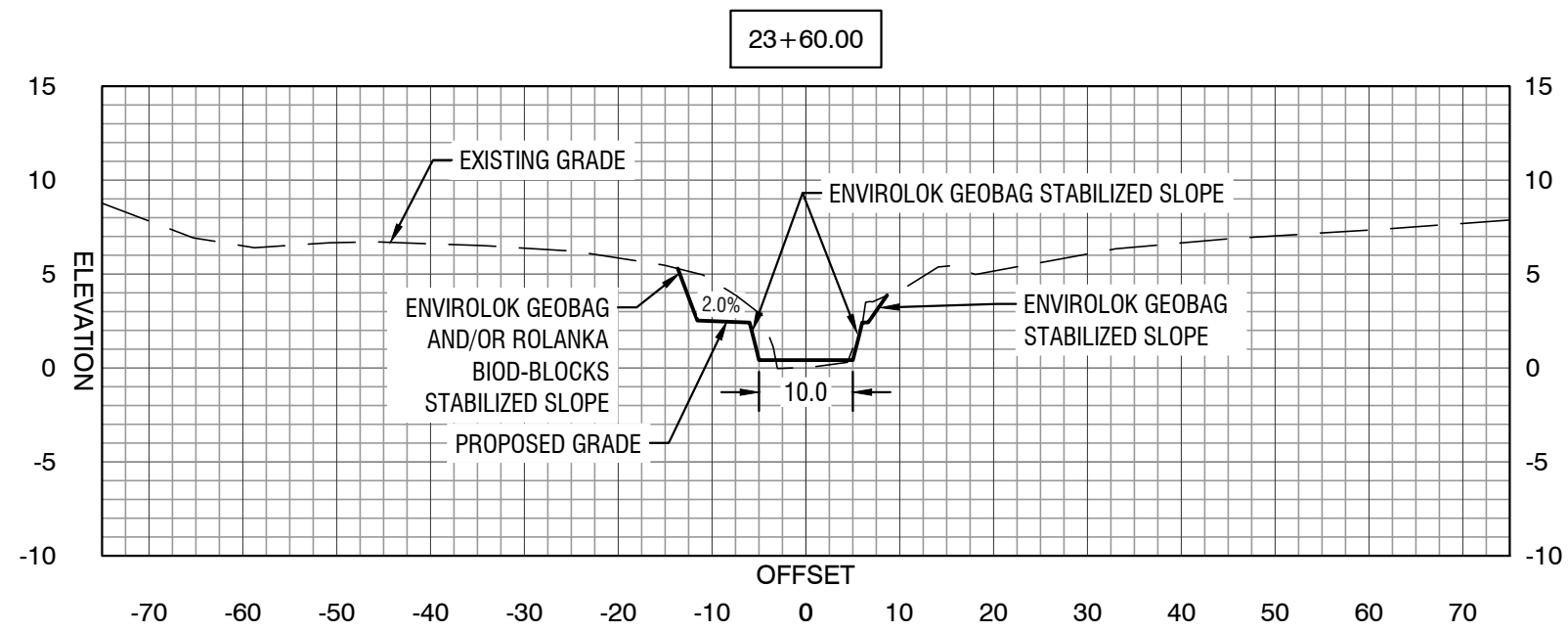
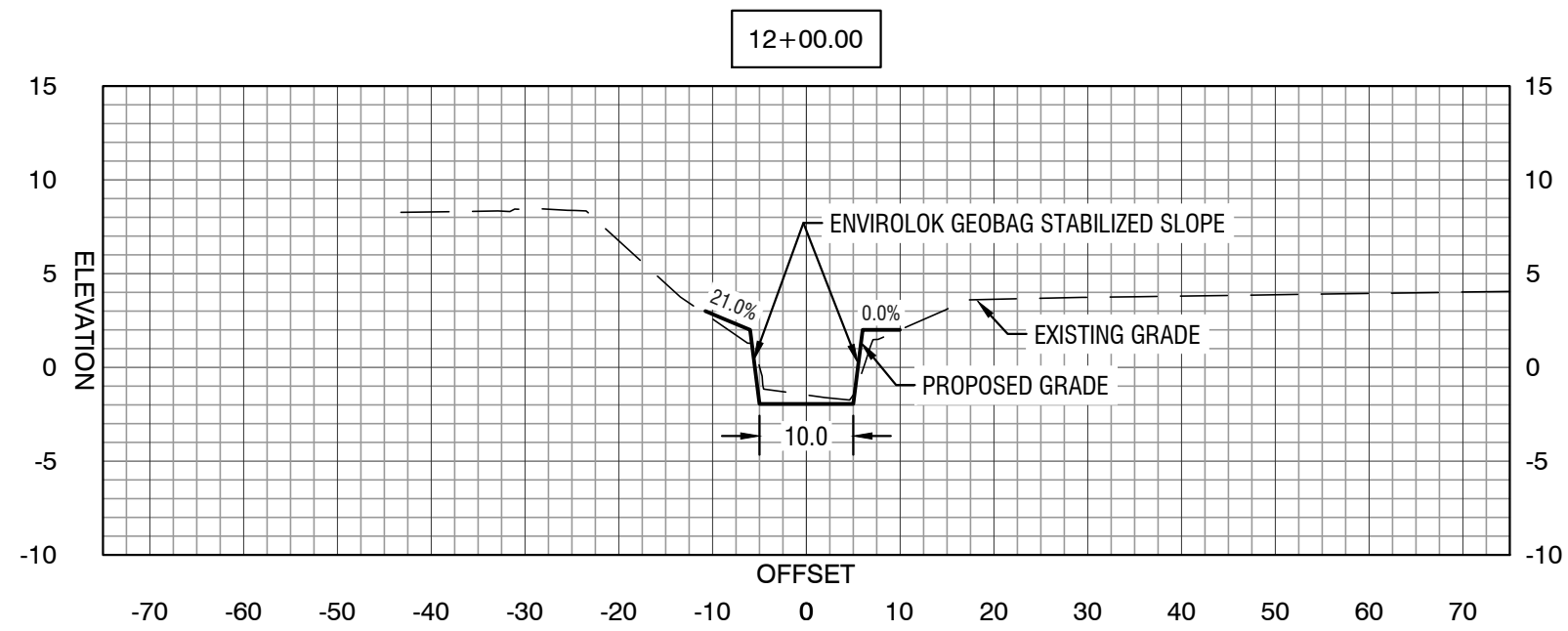
CONCEPT 3
OVERALL
GRADING PLAN

C-200



SEAL	
MICHAEL A. COFFEY, PH.D., PE, LEED AP LICENSE # 57412	
PRELIMINARY - NOT FOR CONSTRUCTION	
PROJECT NO.:	47408.001
ISSUED:	2/29/2024
DRAWN BY:	NTD
CHECKED BY:	MAC
SCALE:	1"= 20'
CONCEPT 3 GRADING PLAN	
C-203	





SCALE
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 10'

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

MICHAEL A. COFFEY, PH.D., PE
LEED AP LICENSE # 57412

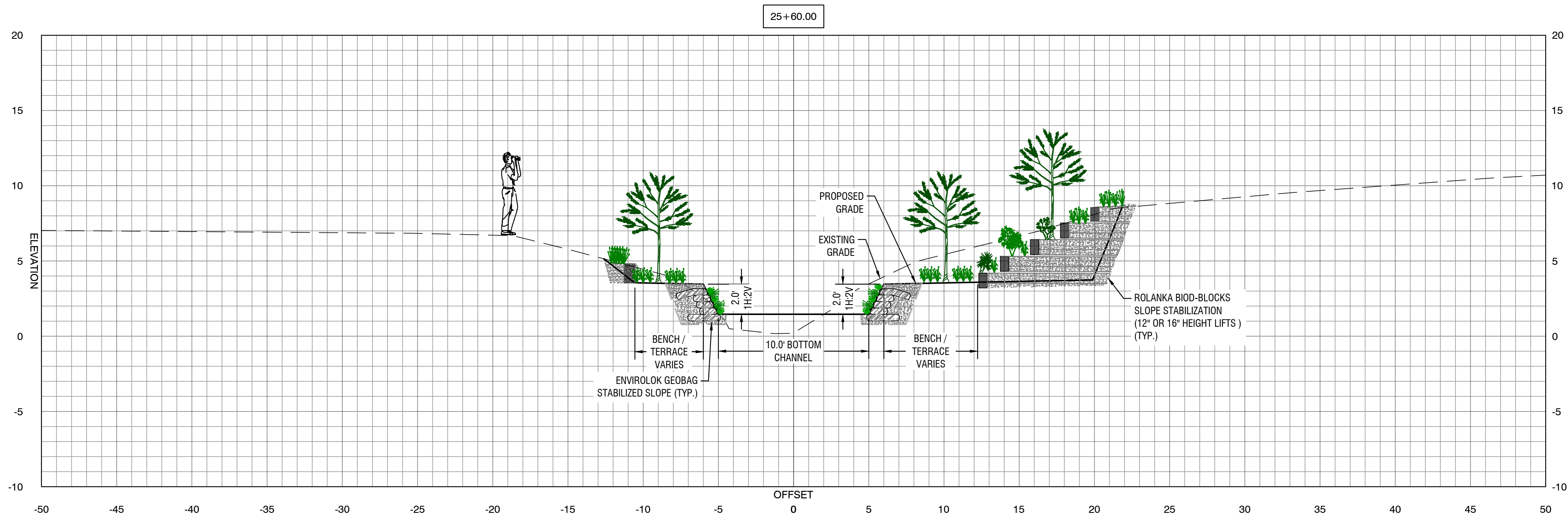
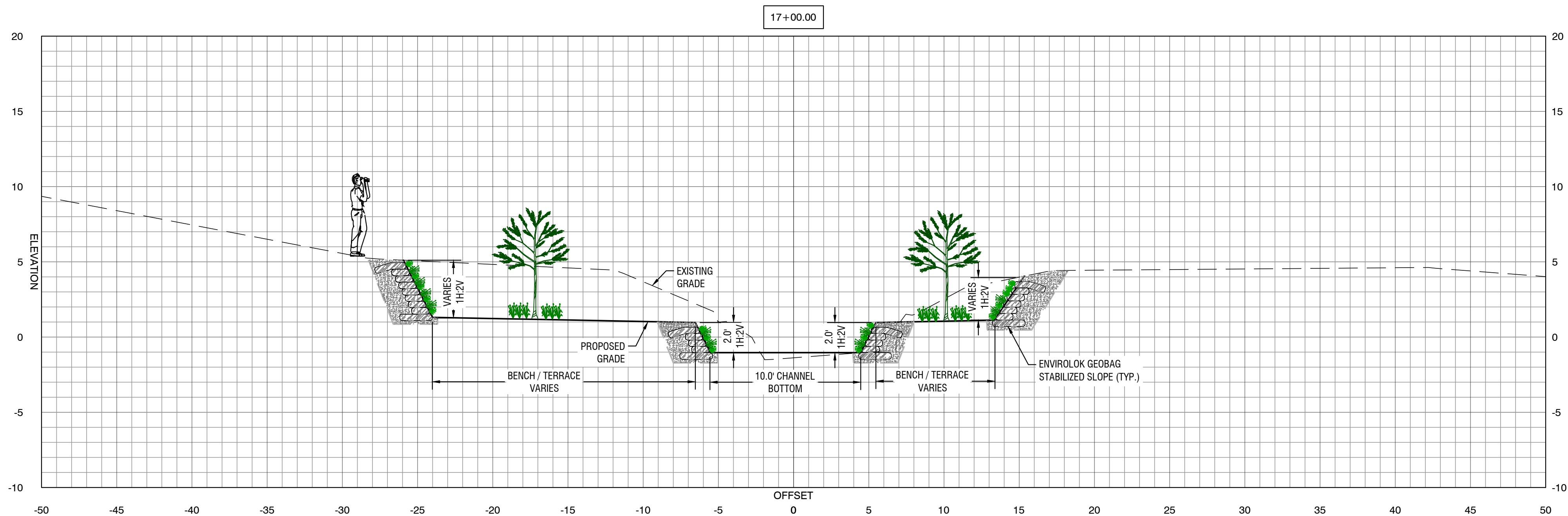
**PRELIMINARY - NOT
FOR CONSTRUCTION**

PROJECT NO.:	47408.001
ISSUED:	2/29/2024
DRAWN BY:	NTD
CHECKED BY:	MAC
SCALE:	1"= 20'

**CONCEPT 3
SECTIONS**

C-205

2/20/2024 12:27:30 PM Cody Smith A:\47408\47408001\ProjectResources\CADD\Exhibit\Concept 3_Creative_Video.dwg



SCALE
HORIZONTAL: 1" = 5'
VERTICAL: 1" = 5'

PROJECT NAME

WILLOW BRANCH CANAL
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REVISIONS

NO. DATE

DESCRIPTION

SEAL

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ISSUED: 2/29/2024

DRAWN BY: NTD

CHECKED BY: MAC

SCALE: 1"= 20'

CONCEPT 3
DETAILED
SECTIONS

C-206