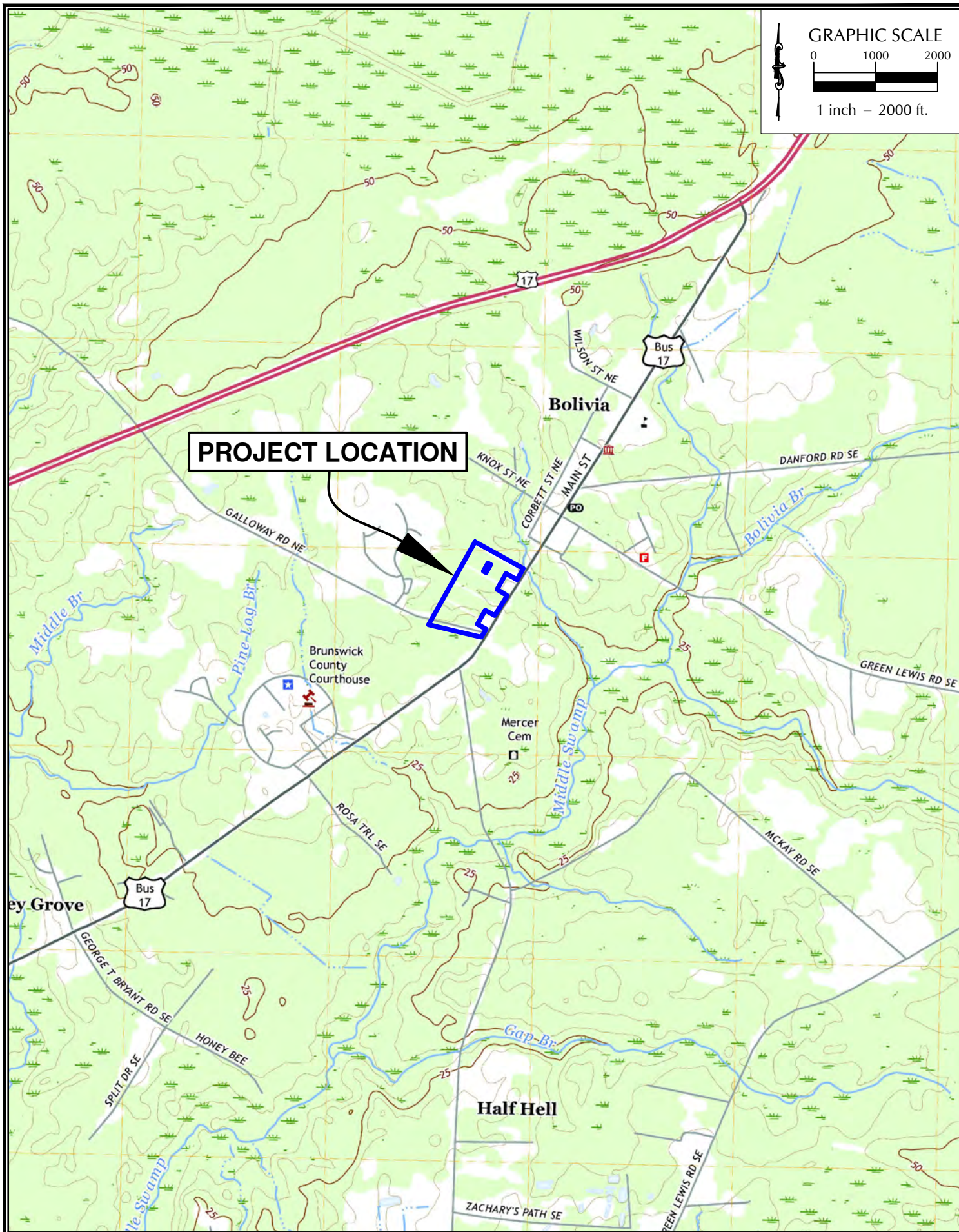


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BOLIVIA HEIGHTS SUBDIVISION

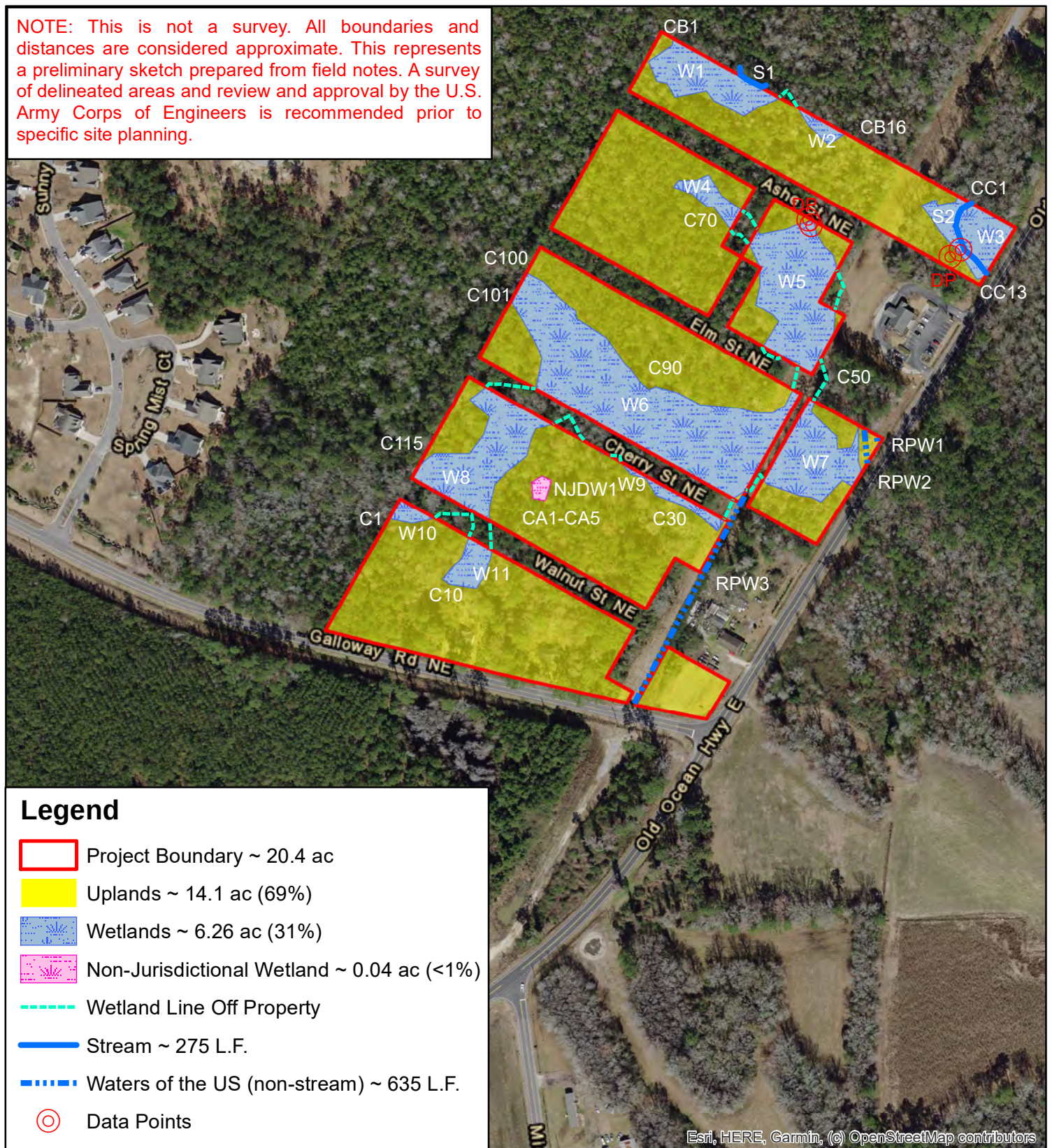
BOLIVIA BRUNSWICK COUNTY NORTH CAROLINA

LOCATION EXHIBIT USGS (2022) - BOLIVIA



WithersRavenel
Engineers | Planners | Surveyors

NOTE: This is not a survey. All boundaries and distances are considered approximate. This represents a preliminary sketch prepared from field notes. A survey of delineated areas and review and approval by the U.S. Army Corps of Engineers is recommended prior to specific site planning.



L:\WETLANDS\2020 WETLANDS FILES\LMG20.449 --- Bolivia

Heights, Chaz Elam\Maps

Boundaries are approximate and not meant to be absolute.

Map Source: 2016 NC OneMap Aerial Photography

Esri, HERE, Garmin, (c) OpenStreetMap contributors



0 150 300 600 Feet

Bolivia Heights
Brunswick County, NC

Map Date: January 2021
LMG20.449



Preliminary Upland/Wetland Delineation Sketch

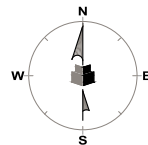
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**BOLIVIA HEIGHTS
IMPACT MAPS**

BRUNSWICK COUNTY | NORTH CAROLINA |

PRELIMINARY
NOT APPROVED FOR
CONSTRUCTION



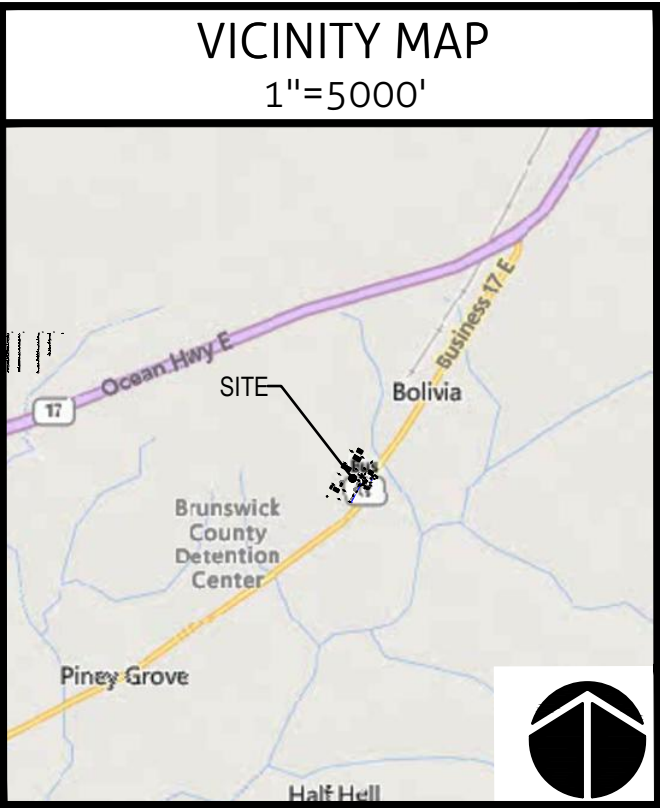
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Revisions:

WR Job No. 220251.01 DATE 02/10/24
DRN: GR DGN: GR CKD: JB

**EXISTING
CONDITIONS**

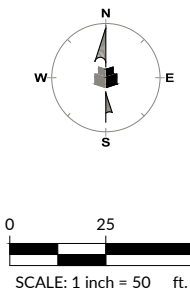
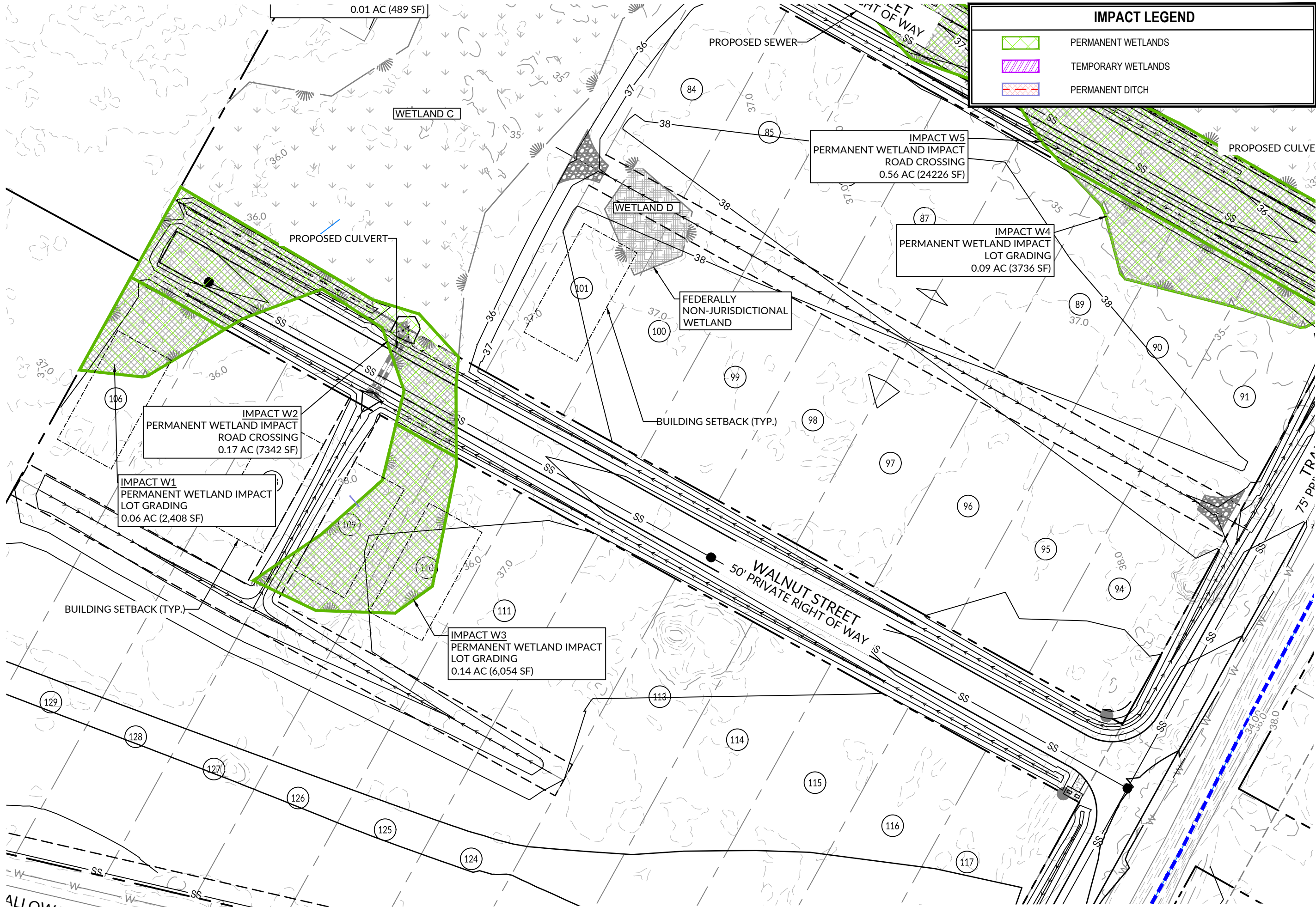
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MAP	IMPACT #	IMPACT SPECIFICATION	OVERALL IMPACT SUMMARY					
			TEMPORARY		PERMANENT			
			WETLANDS		WETLANDS		STREAM/DITCH	
			(SF)	(AC)	(SF)	(AC)	(LF)	(AC)
C	W1	LOT GRADING	-	-	2,408	0.06	-	-
	W2	LOT GRADING	-	-	7,342	0.17	-	-
	W3	ROAD CROSSING	-	-	6,054	0.14	-	-
D	W4	LOT GRADING	-	-	3,736	0.09	-	-
	W5	ROAD CROSSING	-	-	24,226	0.56	-	-
	W6	LOT GRADING	-	-	489	0.01	-	-
E	W7	SEWER CONSTRUCTION	7,599	0.17	-	-	-	-
	W8	LOT GRADING	-	-	1,482	0.03	-	-
	W9	ROAD CROSSING	-	-	18,487	0.42	-	-
	W10	NO IMPACT	-	-	-	-	-	-
	S1	DITCH IMPACT	-	-	-	-	65	0.010
	S2	DITCH IMPACT	-	-	-	-	100	0.019
F	W11	LOT GRADING	-	-	6,575	0.15	-	-
G	W12	LOT GRADING	-	-	6,999	0.16	-	-
	W13	LOT GRADING	-	-	4,828	0.11	-	-
H	S3	NO IMPACT	-	-	-	-	-	-
	S4	DITCH IMPACT	-	-	-	-	67	0.020
TOTAL			7599 SF	0.17 AC	64224 SF	1.9 AC	232 LF	0.049 AC

W:\22\22-0250\220251.01-35 North Land Holding, LLC-Bolivia CAD-Exhibits Environmental Impact Maps\Bolivia Heights Stream Impact Maps.dwg Thursday, September 19, 2024 1:49:39 PM - GRHODES

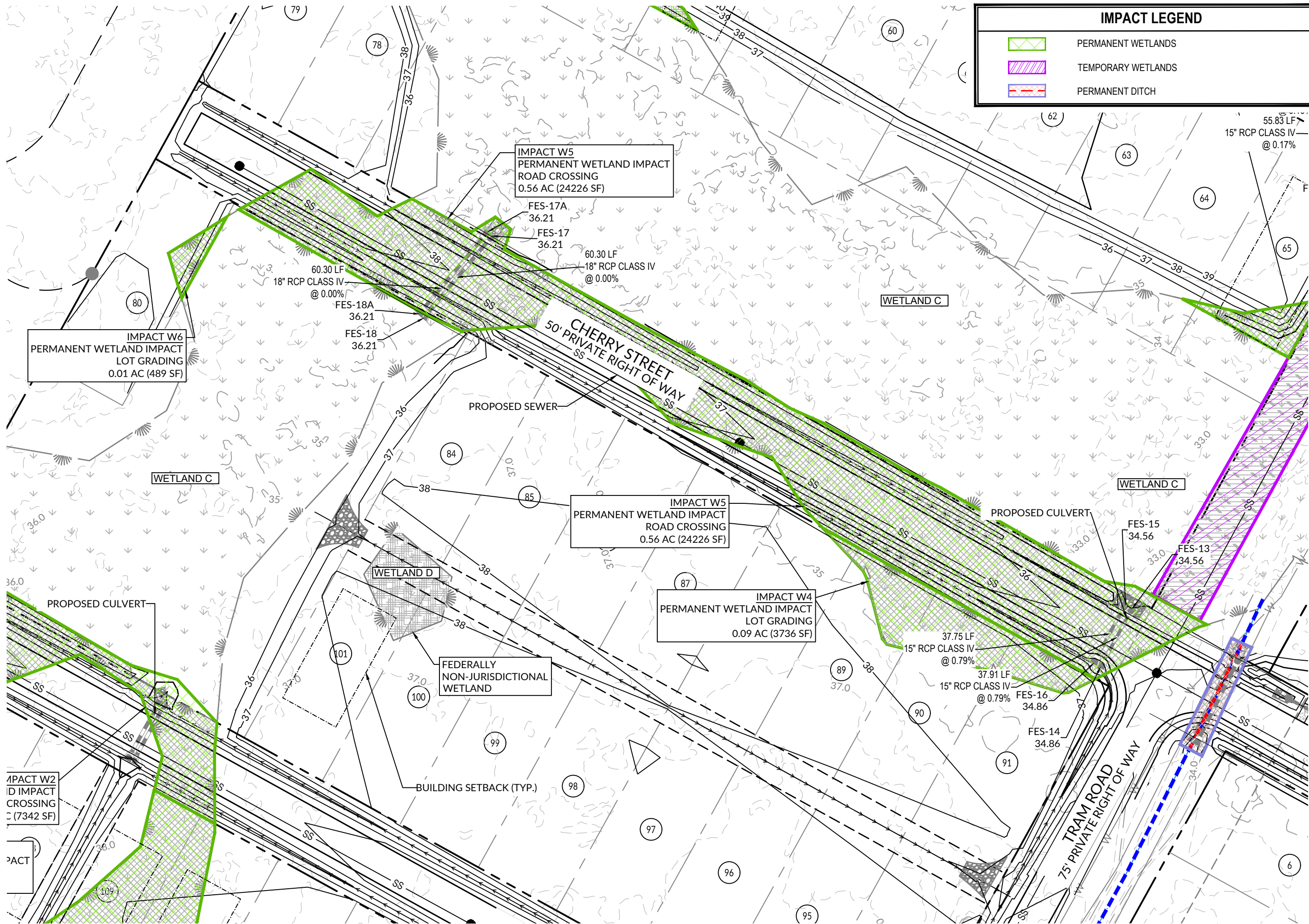


Initial Plan Date: 02/10/24
Revisions:
1 09/19/2024
SITE UPDATES

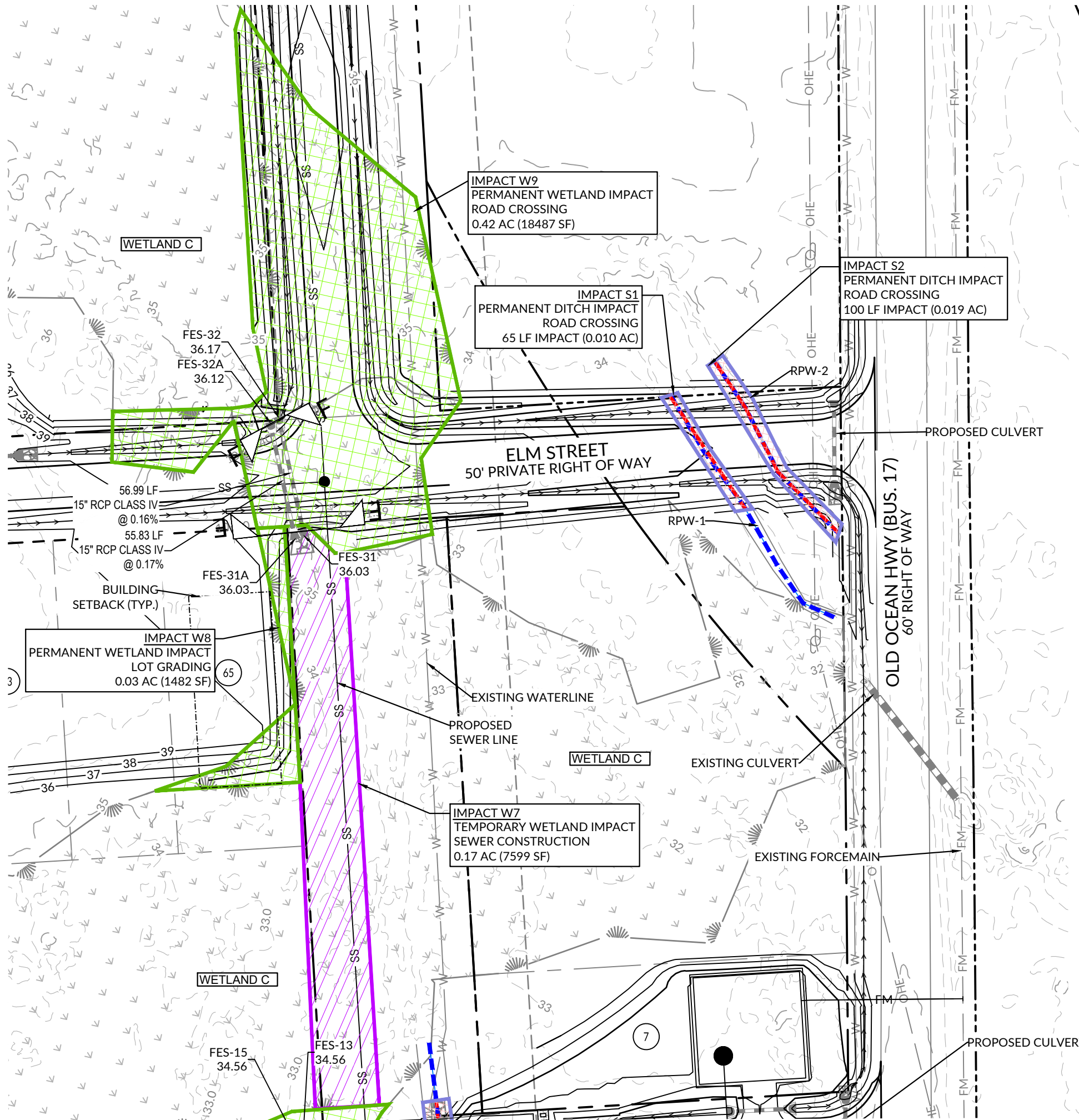
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220251.01 02/10/24
DRN: GR DGN: GR CKD: JB

**STREAM AND
WETLAND**

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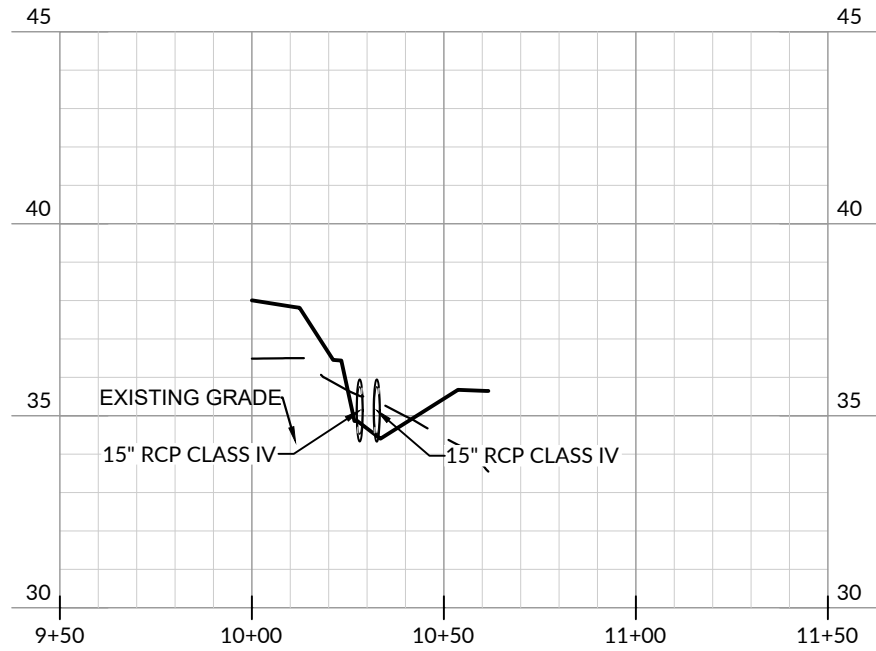


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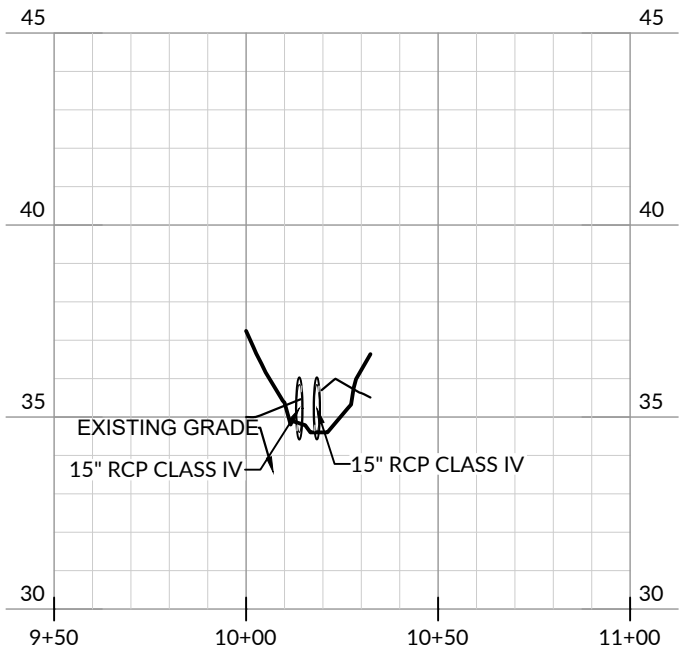


IMPACT LEGEND	
	PERMANENT WETLANDS
	TEMPORARY WETLANDS
	PERMANENT DITCH

SECTION E-E

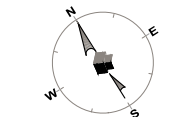


SECTION F-F



SCALE:

1" = 50' HORIZ.
1" = 5' VERT.

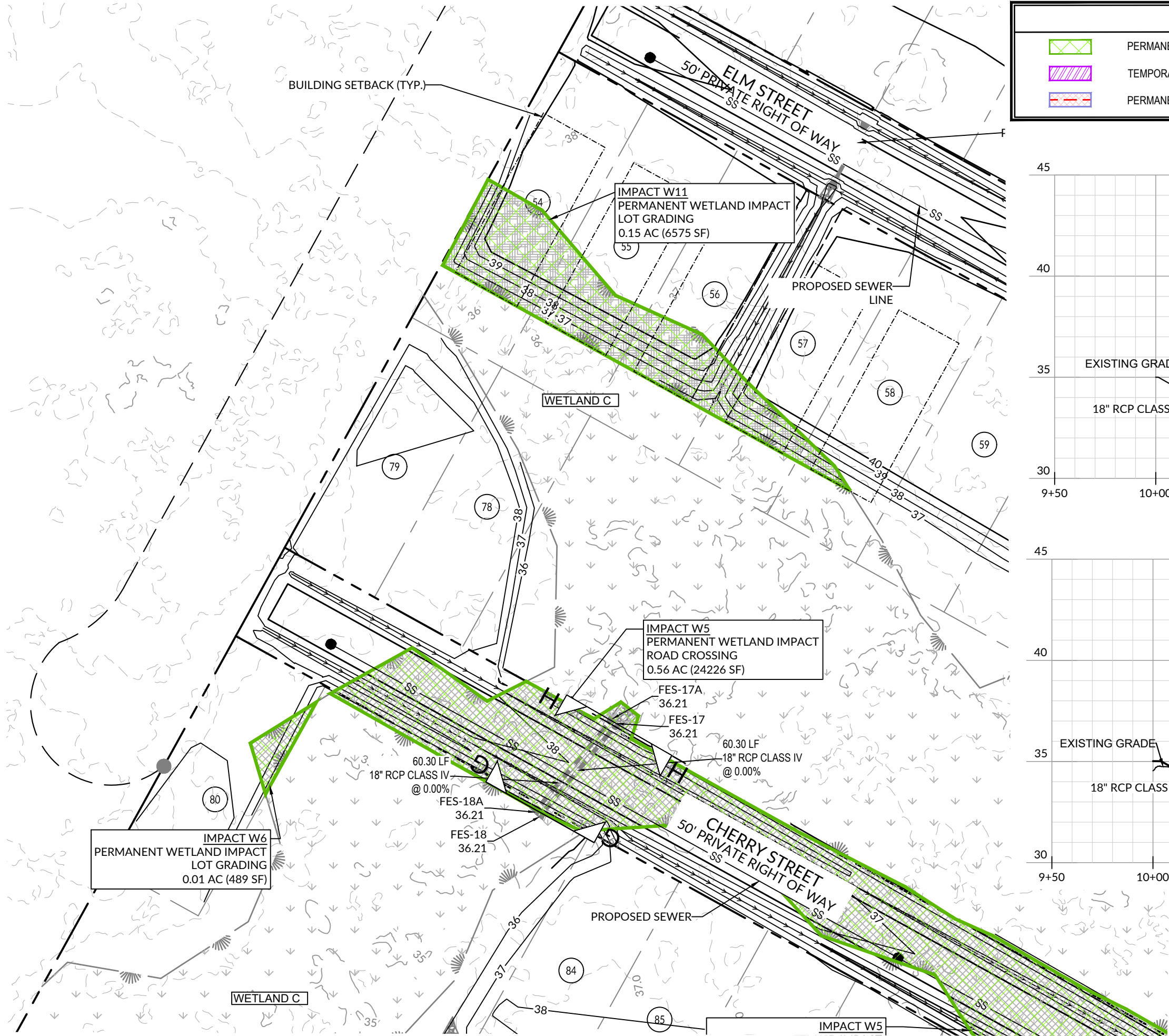


Initial Plan Date: 02/10/24
Revisions:
1 09/19/2024
SITE UPDATES

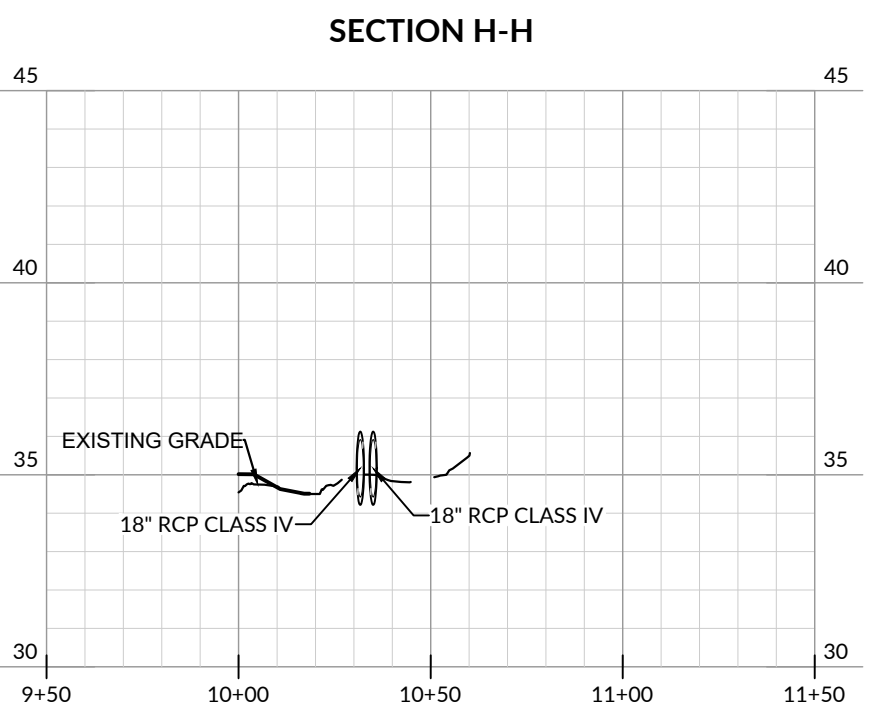
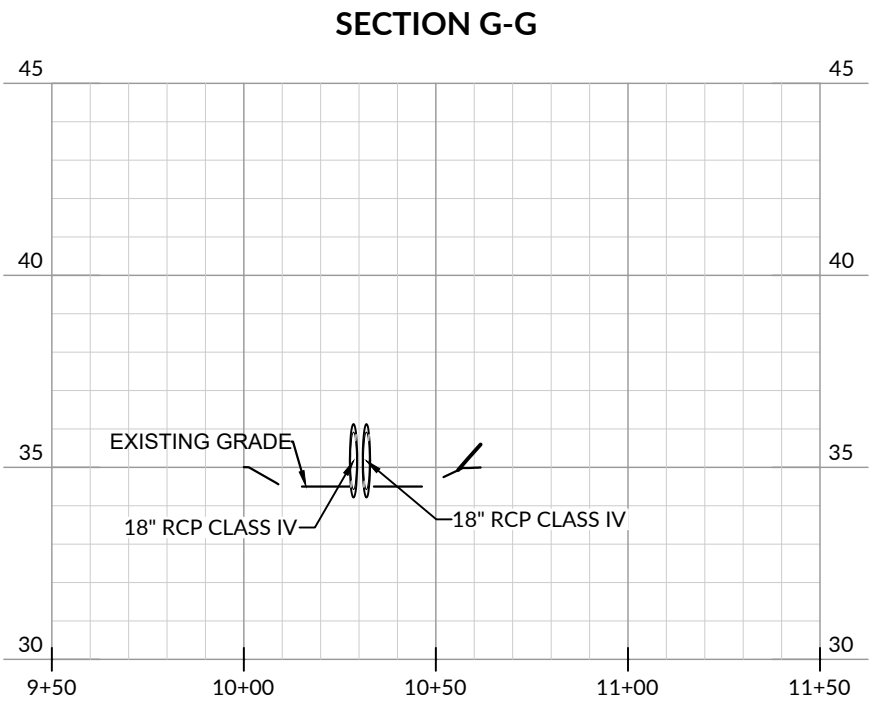
WR Job No. 220251.01 DATE 02/10/24
DRN: GR DGN: GR CKD: JB

**STREAM AND
WETLAND**

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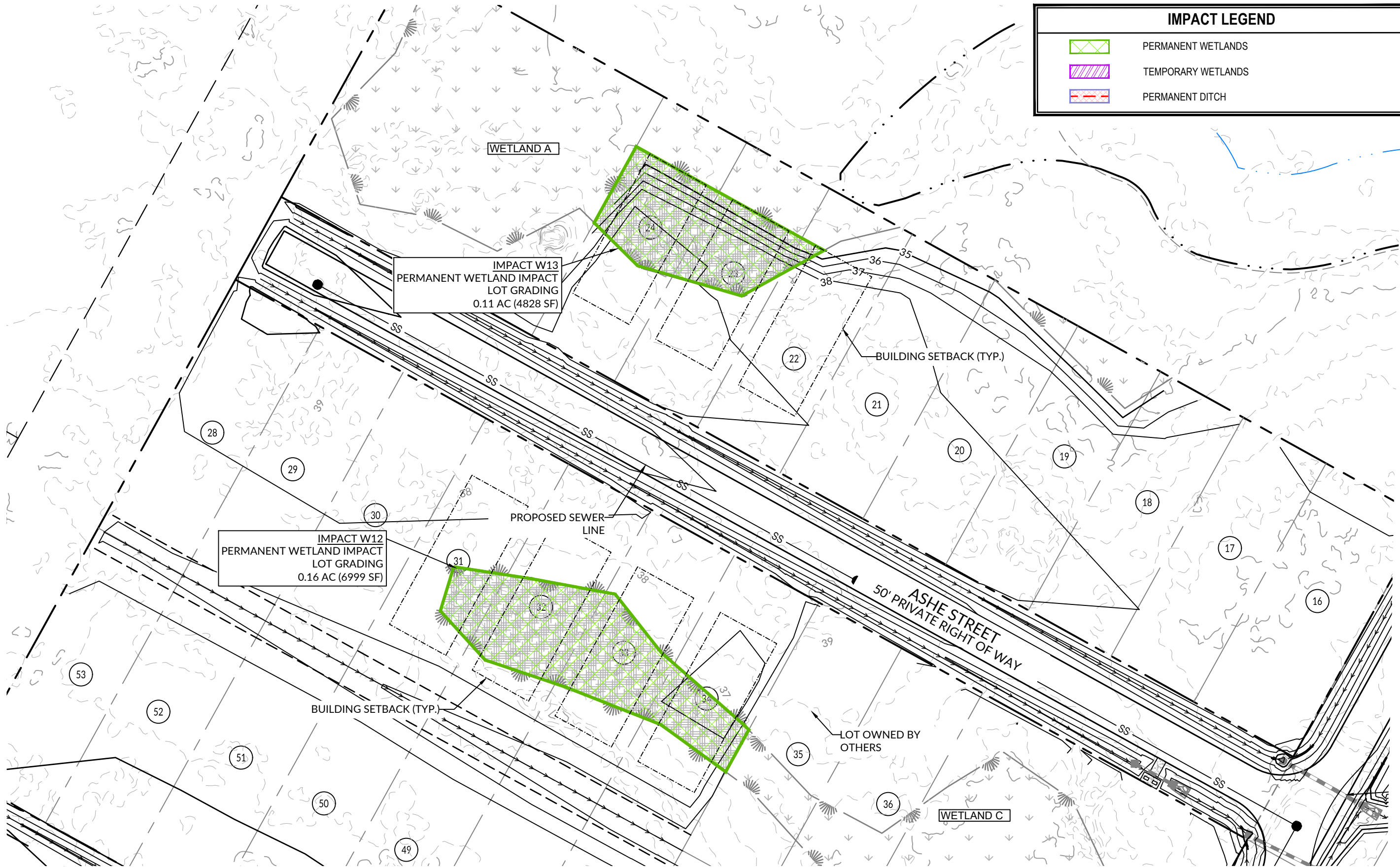


IMPACT LEGEND	
	PERMANENT WETLANDS
	TEMPORARY WETLANDS
	PERMANENT DITCH

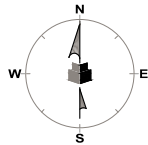


SCALE:
1" = 50' HORIZ.
1" = 5' VERT.

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IMPACT LEGEND	
	PERMANENT WETLANDS
	TEMPORARY WETLANDS
	PERMANENT DITCH



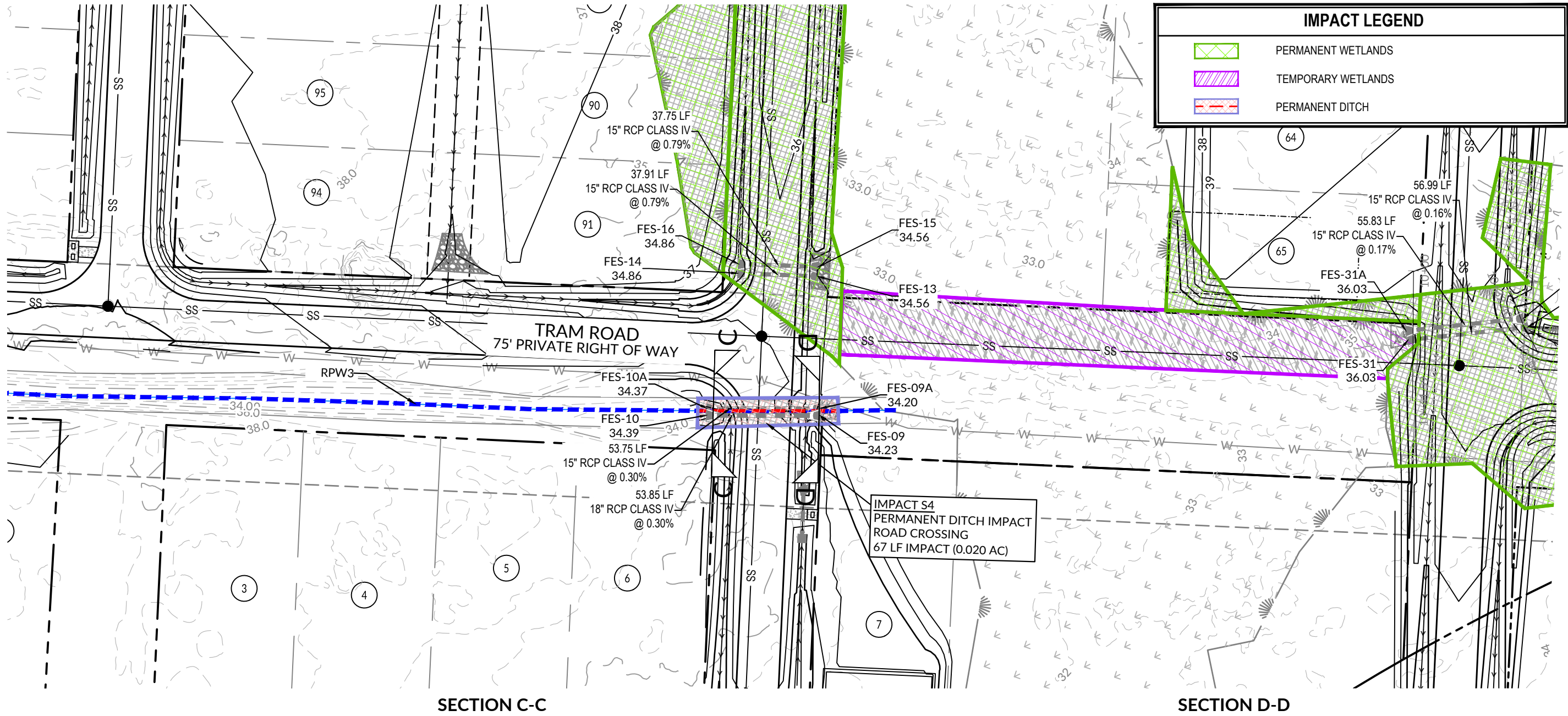
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Initial Plan Date: 02/10/24
Revisions:
1 09/19/2024
SITE UPDATES

WR Job No.	DATE
220251.01	02/10/24
DRN: GR	DGN: GR CKD: JR

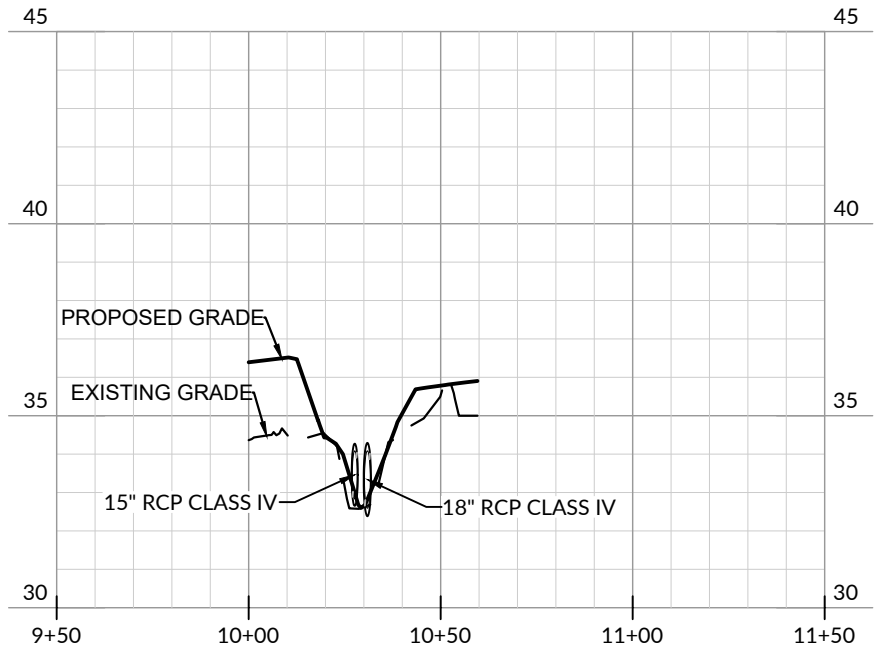
**STREAM AND
WETLAND**

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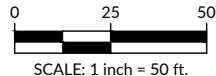
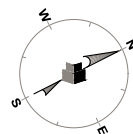
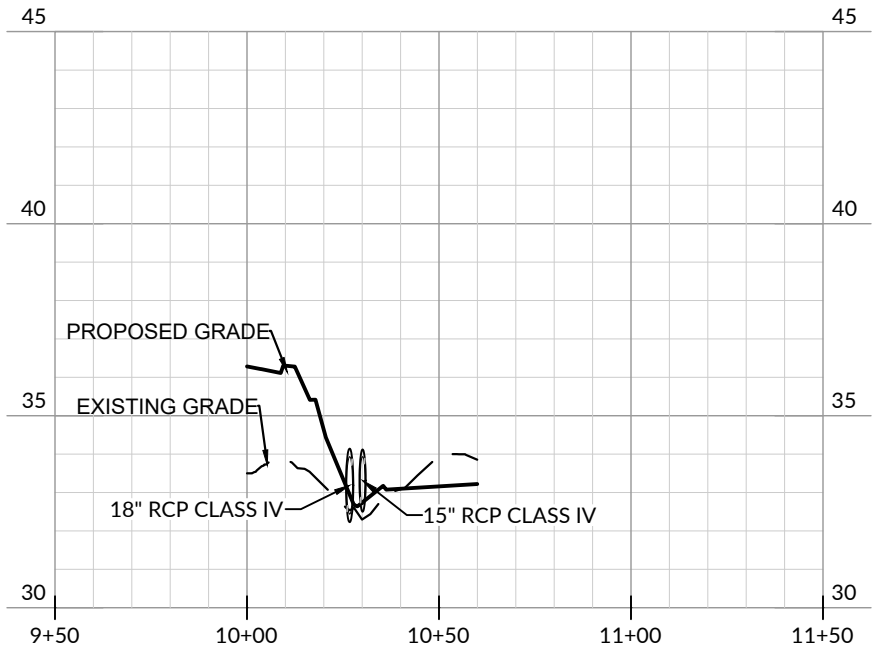
SECTION C-C

SECTION D-D



SCALE:

1" = 50' HORIZ.
1" = 5' VERT.



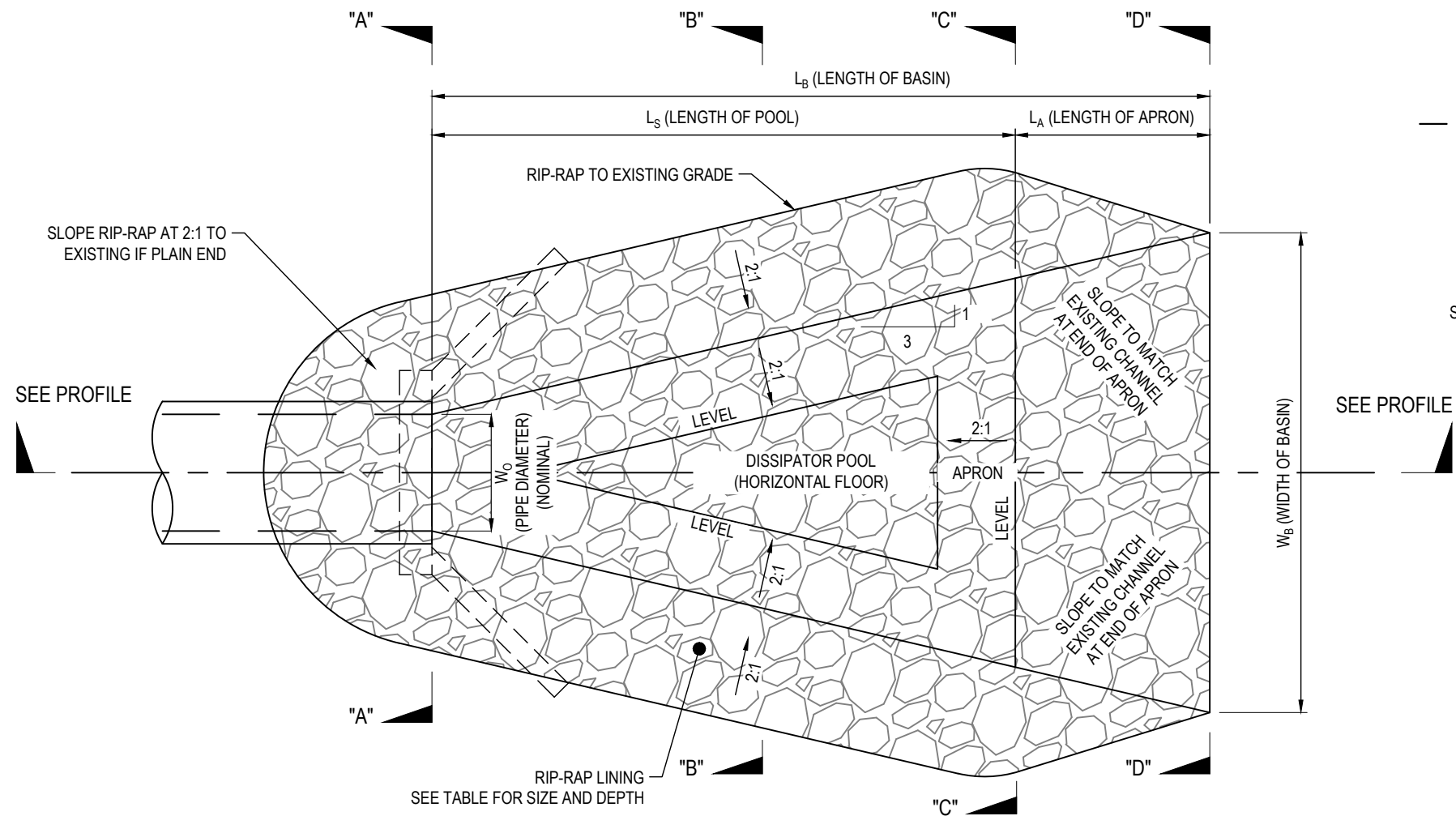
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Initial Plan Date: 02/10/24
Revisions:
1 09/19/2024
SITE UPDATES

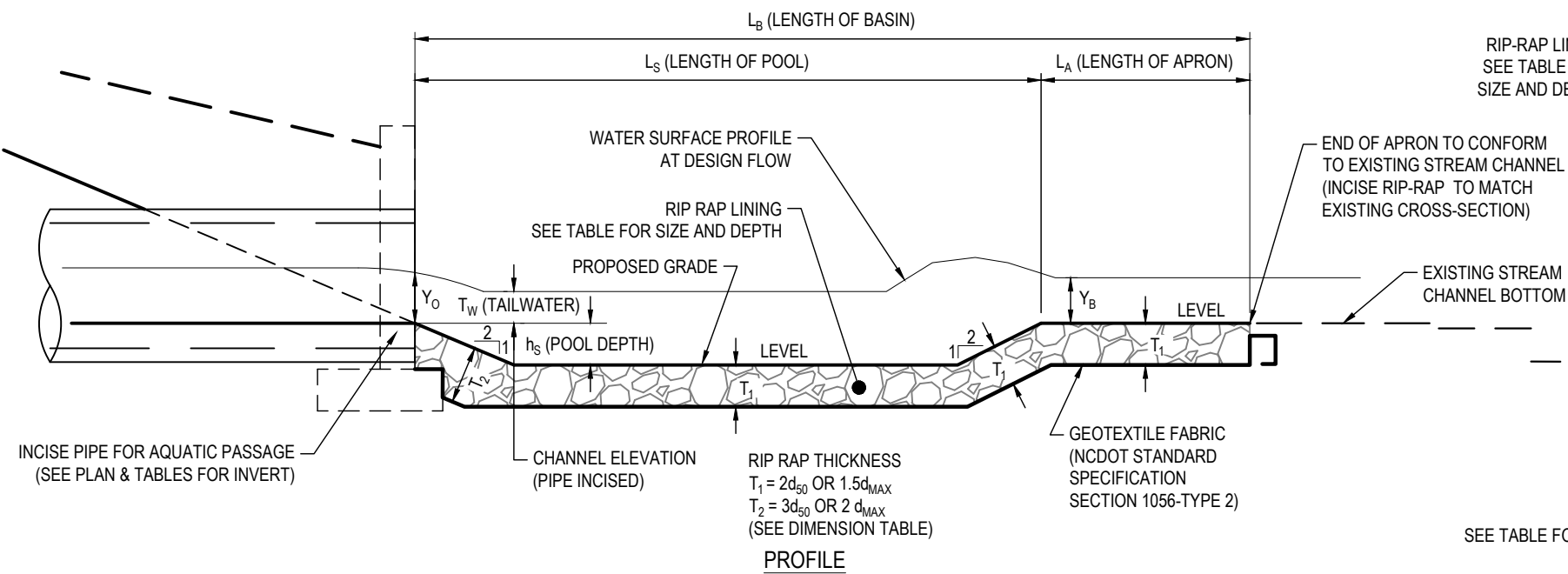
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DRN: GR DGN: GR CKD: JR

**STREAM AND
WETLAND**

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PLAN



PROFILE

RIP-RAP BASIN ENERGY DISSIPATOR

BASED ON HEC-14
NOT TO SCALE

