J O I N T
P U B L I C N O T I C E

CHARLESTON DISTRICT, CORPS OF ENGINEERS
69A Hagood Avenue
Charleston, South Carolina 29403
and
THE S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Water Quality Certification and Wetlands Section
2600 Bull Street
Columbia, South Carolina 29201

REGULATORY DIVISION
Refer to: P/N REVISED SAC 2015-0807 **February 22, 2021**

Pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), Sections 401 and 404 of the Clean Water Act (33 U.S.C. 1344), and the South Carolina Coastal Zone Management Act (48-39-10 et.seq.), an application has been submitted to the Department of the Army and the S.C. Department of Health and Environmental Control by

South Carolina Department of Transportation
Post Office Box 191
Columbia, South Carolina 29202

for a permit to discharge fill material in wetlands and waters adjacent to and within

Sawmill Branch

for the proposed roadway at a location immediately adjacent to Sawmill Branch, starting at the existing end of the Berlin G. Myers Parkway (Latitude: -33.002, Longitude: -80.185) and continuing parallel along Sawmill Branch and then branching west (away from Sawmill Branch) to the proposed end of the new roadway connecting into US-17A (Latitude: 32.981, Longitude: -80.233). Alterations to Sawmill Branch itself will occur starting near the existing end of the Berlin G. Myers Parkway (Latitude 33.002, Longitude -80.185) and will continue in Sawmill Branch down to its intersection with Dorchester Road (Latitude: 32.953, -80.170). All work is within the Town of Summerville, Dorchester County, South Carolina.

In addition, pursuant to Section 14 of the Rivers and Harbors Act of 1899, amended and codified at 33 USC 408 (Section 408), a request has also been received for Department of the Army Section 408 permission for alteration of the federally-authorized Sawmill Branch small flood control project. The request to alter the Sawmill Branch project will be reviewed as outlined below in order to determine whether the alteration proposed will be injurious to the public interest or impair the usefulness of the project.

In order to give all interested parties an opportunity to express their views

N O T I C E

is hereby given that written statements regarding the proposed work will be received by the **Corps** and **SCDHEC** until

30 Days from the Date of this Notice,

from those interested in the activity and whose interests may be affected by the proposed work.

Proposed Project

SCDOT previously submitted an application to the Corps of Engineers for the construction of phase 3 of the Berlin G. Myers Parkway and a public notice was issued by the Corps on May 16, 2018. SCDOT has since submitted revisions to the project, which largely consist of additional floodplain mitigation work, located south and downstream of the previously advertised project. This REVISED public notice represents the currently proposed project, as modified by SCDOT.

The project consists of the construction of approximately 3.25 miles of new roadway on new location between US 17A and SC 165 (East Carolina Avenue), referred to as Phase 3 of the Berlin Myers Parkway. The design for the major portion of Phase 3 of Berlin Myers Parkway will consist of two travel lanes in each direction (12-foot wide outer lane and 12.5-foot-wide inner lane), with curb and gutter. The median will be 14 feet wide, consisting of 2-foot curb and gutter on each side and 10-foot wide planted section in the middle. The project will also include a single point urban interchange (SPUI) at the intersection of Berlin Myers Parkway and East Carolina Avenue. The project includes a relocation of a portion of the Sawmill Branch Walk/ Bike Trail between East Carolina and Luden Drive. A new segment of trail would be constructed between Greenwave Boulevard and Luden Drive that connects to a sidewalk adjacent to the proposed roadway. Because the project is being proposed in a floodplain and in the vicinity of a Civil Works project, the proposed work also includes various floodplain mitigation efforts which directly impact the Civil Works flood risk management project (Sawmill Branch). Specifically, these efforts include the work along and in Sawmill Branch to increase its hydraulic capacity adjacent to the proposed roadway project and downstream to Dorchester Road.

In detail, the proposed work will result in a total of 51.06 acres of impacts to wetlands and other waters of the United States associated with Sawmill Branch. Wetland impacts total 50.93 acres, which include 41.44 acres of fill and rip-rap, 5.47 acres of excavation, and 4.02 acres of clearing. The proposed project is estimated to impact 1,300 linear feet (LF) and 0.13 acre of streams, including 247 LF of culvert or pipe, 841 LF of armoring, 212 LF of morphologic changes. Of the 841 LF of armoring, 50 LF will occur in portions of Sawmill Branch that are tidally influenced.

It is noted that the proposed project would impact wetlands protected under restrictive covenant as part of the compensatory mitigation for Phase 2 of Berlin Myers Parkway. SCDOT has determined that 4.53 acres of previously protected wetlands would be affected, including 3.93 acres of permanent fill, 0.11 acre of excavation, and 0.49 acre of clearing within the protected wetlands. The restrictive covenants protecting the 4.53 acres of wetlands prohibit the clearing and filling of wetlands areas and as such, SCDOT has requested USACE and South Carolina Department of Health and Environmental Control (SCDHEC) consider an amendment to the current restrictive covenant to allow for this impact.

SCDOT proposes to mitigate for the proposed project impacts to the protected wetlands, as well as the wetlands removed from compensatory mitigation for Phase 2 of Berlin Myers Parkway.

Project Purpose

The applicant has stated that the proposed project, Phase 3 of the Berlin G. Myers Parkway, will be the final phase of the parkway and will link Phases 1 and 2 to US 17A, southwest of Summerville. This will complete the "loop" south of Summerville and will provide system linkage, reduce congestion and improve safety on surrounding roadways, including 17A and Bacons Bridge Road (SC 165).

Proposed Work in Sawmill Branch

In 1971, a federal project was completed wherein 9 miles of channel were constructed in Sawmill Branch. As such, any work or alterations to Sawmill Branch are subject to the provisions of 33 USC § 408 (Section 408), which states that the alteration, occupation, or use of a USACE civil works project may be authorized by the Secretary of the Army, on the recommendation of the Chief of Engineers of USACE, if it is determined that the occupation or use will not be injurious to the public interest and will not impair the usefulness of such work.

The following is an excerpt from SCDOT's application, specifically regarding the work related to Sawmill Branch:

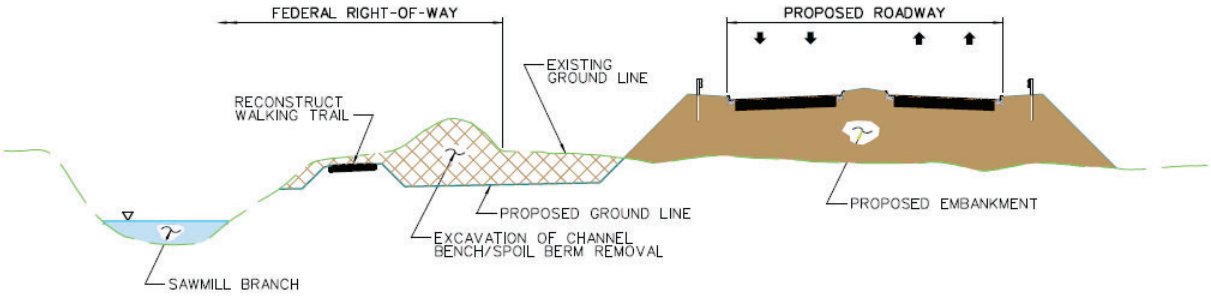
> *"Extensive efforts have been made throughout the design process to mitigate any impacts to the function of the existing Federal Project as the result of the proposed project. The primary alteration to the Federal Project resulting from the Proposed Project is the physical construction of the roadway within the floodplain / floodway associated with Sawmill Branch. The construction of the embankment in and of itself creates a loss of conveyance for the floodwaters carried by Sawmill Branch and its natural floodplain. Extensive efforts have been made to offset this loss of conveyance and mitigate impacts to the function of the existing Federal Project. To that end, the project also includes additional excavation, bridges, and hydraulic structures to mitigate the potential impacts to conveyance along Sawmill Branch. These proposed alterations / modifications to the existing Sawmill Branch floodplain are located both inside and outside of the federal right-of-way for Sawmill Branch.*
>
> *The Proposed Project includes the following proposed alterations resulting from construction activities within the existing federal right-of-way / easements:*
>
> - *Excavation Adjacent to the Sawmill Branch Channel – This is necessary to offset the existing conveyance area impacted as a result of the roadway embankment placed in the floodplain outside of the federal right-of-way. The excavation increases the overall conveyance area between the main channel and new roadway embankment within the construction area of the roadway project.*
> - *Reconstruction of the Luden Drive Bridge over Sawmill Branch – This bridge is proposed to be replaced as required by the improved roadway geometry and to provide additional conveyance area under the bridge.*
> - *Reconstruction of the Existing Sawmill Branch Walking Trail – The excavation adjacent to the Branch will require that the trail be reconstructed. The new trail will be at a slightly lower elevation than the existing trail.*

- *Excavation Adjacent to Sawmill Branch – Downstream of the roadway project area, excavation will be included adjacent to the existing Sawmill Branch channel to create a floodplain bench. The excavation for the floodplain bench will be performed for approximately 2,000 feet just downstream of the roadway project area as well as along Sawmill Branch between Bacons Bridge Road Dorchester Road. The floodplain bench will vary between 5 and 15 feet with minimal impacts to the Sawmill Branch Walk / Bike Trail. Existing pipe outfalls within construction areas for the floodplain bench will be stabilized with riprap protection.*
- *Stormwater Improvements – Various improvements to stormwater conveyance are proposed associated with the construction of the roadway project and reconstruction of the walking trail.*
- *Utility Improvements*
    - *The existing waterline will need to be lowered within the excavation area in order to maintain cover over the line.*
    - *Sanitary sewer alterations will be limited to modifications to the existing manholes to match the new ground surface in the channel excavation area.*

Outside of the existing federal right-of-way / easement, proposed project construction includes the following:

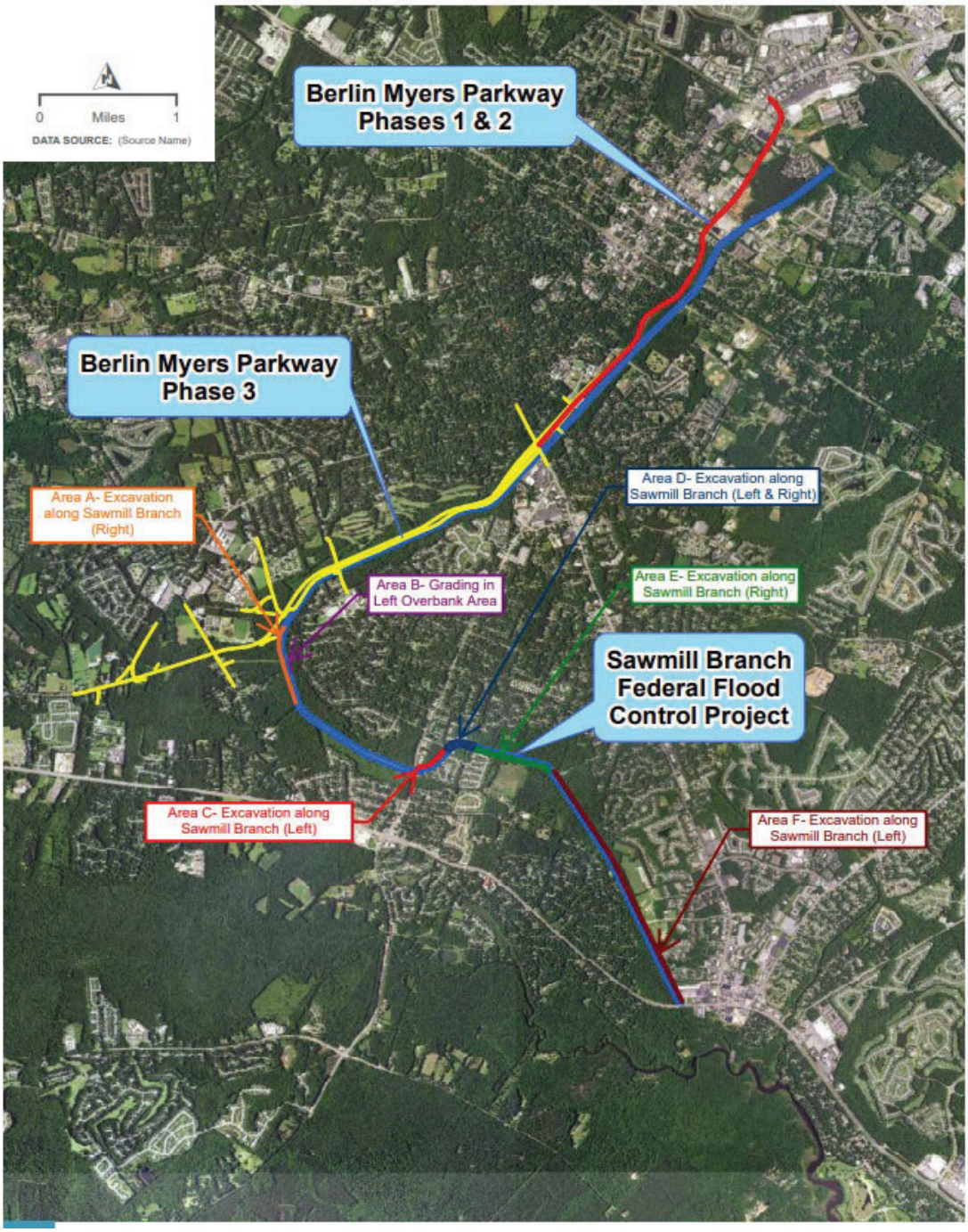
- *Roadway Embankment Construction – Placement of fill material for construction of proposed roadway within floodplain/floodway and associated stormwater improvements and cross-line structures.*
- *Bridges along Berlin Myers Parkway and Side Roads – Project includes five (5) bridges designed specifically to maintain conveyance along Sawmill Branch.*
- *Retaining Walls – Roadway retaining walls are proposed in several areas to reduce wetland and right-of-way impacts and to maximize conveyance.*

Representative Cross Section of Proposed Project (Adjacent to Roadway)
Typical Section Looking Downstream

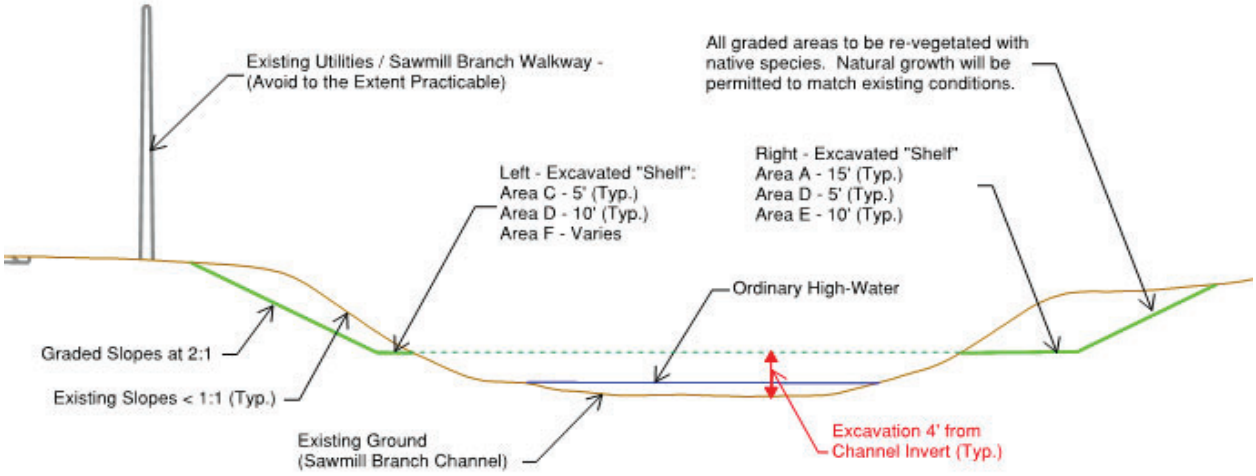


Typical Design Cross Section (Adjacent to Roadway) Looking Upstream

Floodplain Mitigation Plan (Downstream Areas- *Revised* Portion of Project)



Representative Cross Section of Proposed Project (Downstream Areas)
Typical Section Looking Downstream



SCDOT's Proposed Construction Sequencing (excerpt from application)

Stage 1 of Construction: Initial on-site construction activities will begin with floodplain mitigation, as allowed by the Section 408 approval. This primarily includes the channel excavation and associated improvements. Work activities in this phase include the improvements to the existing water line and sanitary sewer line. Within the project area adjacent to roadway construction, the channel excavation will be performed as a mass grading exercise with large earth moving equipment. In areas downstream of the roadway project, excavation and grading will be performed with smaller construction equipment to minimize the disturbance and impacts from construction traffic. Material will be removed from the floodplain and stored/disposed of in upland areas outside the project site.

During Stage 1, the Sawmill Branch Walk/Bike Trail within the roadway project area will be closed and will remain closed throughout construction. Grading and drainage activities for the new Sawmill Branch Walk/Bike Trail in the roadway project area can be performed in Stage 1; however, the trail shall remain closed throughout construction.

Stage 1 will also include the excavation adjacent to the channel in the downstream areas. In these areas, the Sawmill Branch Walk / Bike Trail will be closed in the work areas and areas needed for access. The duration of these closures will be limited to the time needed for the proposed excavation in these specific areas. Once excavation areas are constructed the trail will be reopened. The closure in these areas is not tied to the full duration of the roadway construction project.

Stage 1 Summary:

- *Sawmill Branch Walk/Bike Trail closure*
- *Installation of site BMPs*
- *Mass grading for the channel excavation and benching*
- *Utility relocations*

Stage 2 of Construction: Upon completion of the activities associated with Stage 1, mass grading for the roadway can be initiated. The grading associated with Stage 2 will also be performed with large earth moving equipment. In addition to the proposed grading, Stage 2 will include the installation of stormwater features as well as the construction of bridges and other structures as needed. Stage 2 will include no construction within the Sawmill Branch area except of the construction for the Luden Road Bridge over Sawmill Branch.

The final grading/paving for the roadway should not be completed until the floodplain bridges are in place and the appropriate conveyance at each bridge structure is achieved. Excavation at each floodplain mitigation structure should be performed as part of the initial grading activities.

Stage 2 Summary:

- *General roadway construction*
- *Stormwater construction*
- *Bridge construction*
- *Reopen Sawmill Branch Walk/Bike Trail*

Avoidance and Minimization Measures

According to the applicant, avoidance and minimization measures have been incorporated into the final design for their preferred alternative. Specifically, the applicant states that various strategies and techniques have been incorporated to minimize wetland impacts and floodplain impacts. The following is a summary of the avoidance and minimization measures identified by the applicant:

Specific measures have been incorporated in an effort to reduce the overall impact to wetlands and other waters of the US. Most notably, the roadway typical section has been reduced to the minimum width required to accommodate the purpose and need while complying with current SCDOT and FHWA design standards. The roadway embankment slopes were reduced from 6:1 to 2:1 through the use of guardrail, which allows the steeper slope. In addition, curb and gutter was utilized throughout the project, instead of roadside ditches, to further minimize the project footprint. Clearing impacts have also been minimized by reducing the areas needed for BMP maintenance to the minimum width allowed in accordance with SCDOT design standards. Finally, slight alignment modifications have been incorporated as an effort to minimize impacts. These minimization strategies have resulted in a reduction of fill impact from 49.9 acres to 41.49 acres (41.42 acres wetland and 0.07 acres of stream impacts) along with a reduction in clearing impact from 6.2 acres to 4.02 acres. During final design, stream impacts have increased from 385 LF to 1,275 LF because of the inclusion of impacts associated with an access road and floodplain mitigation work along Sawmill Branch. The preferred alternative requires the relocation of the Summerville CPW access road to a pump station near Sawmill Branch (see Sheet 18, Station 165). This access road was not included in the initial alternatives analysis, and will result in 212 LF of impact to Tributary V. The impact to Tributary V was minimized by shifting the channel adjacent to the new access road and maintaining flow, instead of piping or filling the stream channel. In several locations, tributaries discharge into Sawmill Branch and a new rip-rap pad will be constructed on the bank of Sawmill Branch to protect the tributary outfall and

slope along Sawmill Branch from erosion caused by outfall flows. In most cases, impacts were avoided by shifting the rip-rap pad above the OHWM of Sawmill Branch. However, in 19 locations, the rip-rap will extend below the OHWM, impacting 781 LF of stream channel. The rip-rap will not impact the centerline of Sawmill Branch, or impede flows.

The applicant has identified numerous floodplain mitigation measures that have been incorporated to minimize impacts to the floodplain. The majority of these measures have been developed to facilitate flood water conveyance and storage capacity along the floodplain. Specific measures include additional bridging/structures, cross culverts, localized grading, and excavation along the floodplain. Under normal circumstances, bridging would be considered a minimization measure. However, a key component of the floodplain mitigation strategy is lowering the existing elevation of the floodplain and excavating under the bridges. As such, excavation is required, even along areas of bridging and other conveyance structures. As a result, the applicant states that their preferred alternative would result in a total of 5.47 acres of excavation impact.

In summary, various avoidance and minimization measures have been incorporated that effectively minimize the dominant impact (i.e. fill material) associated with the project. Specifically, fill impact has been reduced by 8.33 acres, which represents a reduction of approximately 17 percent.

Compensatory Mitigation for Impacts to waters of the United States, including wetlands

According to the applicant, the proposed impacts will require a total of 3,687.5 stream mitigation credits and 709.9 wetland mitigation credits. Project impacts to protected wetlands within the restrictive covenants were doubled when calculating required mitigation credits. The SCDOT proposes to purchase credits from a combination of available mitigation banks and conduct permittee-responsible mitigation (PRM) on a 600-acre site adjacent to the Cooper River (known as Lewisfield Plantation).

NOTE: This public notice and associated plans are available on the Corps' website at:
http://www.sac.usace.army.mil/Missions/Regulatory/PublicNotices .

The District Engineer has concluded that the discharges associated with this project, both direct and indirect, should be reviewed by the South Carolina Department of Health and Environmental Control in accordance with provisions of Section 401 of the Clean Water Act. As such, this notice constitutes a request, on behalf of the applicant, for certification that this project will comply with applicable effluent limitations and water quality standards. The work shown on this application must also be certified as consistent with applicable provisions of the Coastal Zone Management Program (15 CFR 930). This activity may also require evaluation for compliance with the S. C. Construction in Navigable Waters Permit Program. State review, permitting and certification is conducted by the S. C. Department of Health and Environmental Control. The District Engineer will not process this application to a conclusion until such certifications are received. The applicant is hereby advised that supplemental information may be required by the State to facilitate the review.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Implementation of the proposed project would impact 50 linear feet of tidally influenced substrates and approximately 51 acres of wetlands located upstream of those substrates utilized by various life stages of species comprising the shrimp, and snapper-grouper management complexes. The District Engineer's initial determination is

that the proposed action would not have a substantial individual or cumulative adverse impact on EFH or fisheries managed by the South Atlantic Fishery Management Council and the National Marine Fisheries Service (NMFS). The District Engineer's final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

Pursuant to the Section 7 of the Endangered Species Act of 1973 (as amended), the Corps has reviewed the project area, examined all information provided by the applicant, and the District Engineer has determined that the project is not likely to adversely affect any Federally endangered, threatened, or proposed species or result in the destruction or adverse modification of designated or proposed critical habitat. This public notice serves as a request for written concurrence from the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service on this determination.

In accordance with Section 106 of the NHPA, the District Engineer has consulted South Carolina ArchSite (GIS), for the presence or absence of historic properties (as defined in 36 C.F.R. 800.16)(l)(1)), and has initially determined that there are historic properties present, but has made no determination whether historic properties will be affected by the proposed undertaking. Consultation with the Advisory Council on Historic Properties (ACHP) and State Historic Preservation Office (SHPO) is being led by the FHWA as the lead agency pursuant to NEPA. The District Engineer's final determination relative to project impacts and the need for mitigation measures will be made following the conclusion of FHWA's consultation.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state, with particularity, the reasons for holding a public hearing.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the activity on the public interest and will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency (EPA), under authority of Section 404(b) of the Clean Water Act and, as appropriate. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the project must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the project will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production and, in general, the needs and welfare of the people. A permit will be granted unless the District Engineer determines that it would be contrary to the public interest. In cases of conflicting property rights, the Corps cannot undertake to adjudicate rival claims.

The Corps is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for this project. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

Please submit comments in writing, identifying the project of interest by public notice number, to the following address:

U.S. Army Corps of Engineers
ATTN: REGULATORY DIVISION
69 A Hagood Avenue
Charleston South Carolina 29403

PLEASE NOTE: THIS PROJECT WAS PREVIOUSLY PLACED ON PUBLIC NOTICE ON MAY 16, 2018. THE PROJECT HAS SINCE BEEN REVISED TO INCLUDE MODIFICATIONS TO THE PREVIOUSLY ADVERTISED WORK. ONLY COMMENTS RECEIVED IN RSPONSE TO THIS PUBLIC NOTICE WILL BE CONSIDERED.

Section 408 Compliance Review

The Sawmill Branch Flood Control Project was endorsed on October 5, 1966, by the authority contained in Section 205 of the Flood Control Act of 1948, Public Law 858, 80th Congress, 2d Session, as amended by Section 205 of the Flood Control act of 1962, Public Law 874, 87th Congress. Construction of the project was completed on April 27, 1971.

The proposed project described in this notice would require permission pursuant to Section 14 of the Rivers and Harbors Act of 1899, 33 USC 408 (Section 408). Permission for an alteration under Section 408 may be granted when, in the judgment of the Secretary of the Army, the alteration will not be injurious to the public interest and will not impair the usefulness of the project. Decisions on proposed alterations are delegated to the District Commander unless one or more criteria requiring elevation are triggered.

Section 408 is based on factors which are outlined in Engineering Circular (EC) 1165-2-220. Review of the requests for modification will be reviewed by a USACE technical review team considering the following factors:

1. Impair the Usefulness of the Project Determination. The review team will determine if the proposed alteration would limit the ability of the federally authorized project to function as authorized, or would compromise or change any authorized project conditions, purposes or outputs. All appropriate technical analyses including geotechnical, structural, hydraulic and hydrologic, real estate, and operations and maintenance requirements, must be conducted and the technical adequacy of the design must be reviewed. The Charleston District is working closely with the requestor to ensure that all required technical plans, maps, drawings, and specifications necessary for these analyses are provided and complete. In order to approve a request for modification, it must be determined that the usefulness of the authorized project will not be negatively impacted.

2. Injurious to the Public Interest Determination. Proposed alterations will be reviewed to determine the probable impacts, including cumulative impacts, on the public interest. Evaluation of the probable impacts that the proposed alteration to the USACE project may have on the public interest requires a careful weighing of all those factors that are relevant in each particular case. Factors that

may be relevant to the public interest depend upon the type of USACE project being altered and may include, but are not limited to, such things as conservation, economic development, historic properties, cultural resources, environmental impacts, water supply, water quality, flood hazards, floodplains, residual risk, induced damages, navigation, shore erosion or accretion, and recreation. The decision whether to approve an alteration will be determined by the consideration of whether benefits are commensurate with risks. If the potential detriments are found to outweigh the potential benefits, then it may be determined that the proposed alteration is injurious to the public interest. This determination is not the same as the "contrary to the public interest determination" that is undertaken pursuant to Sections 10/404/103.

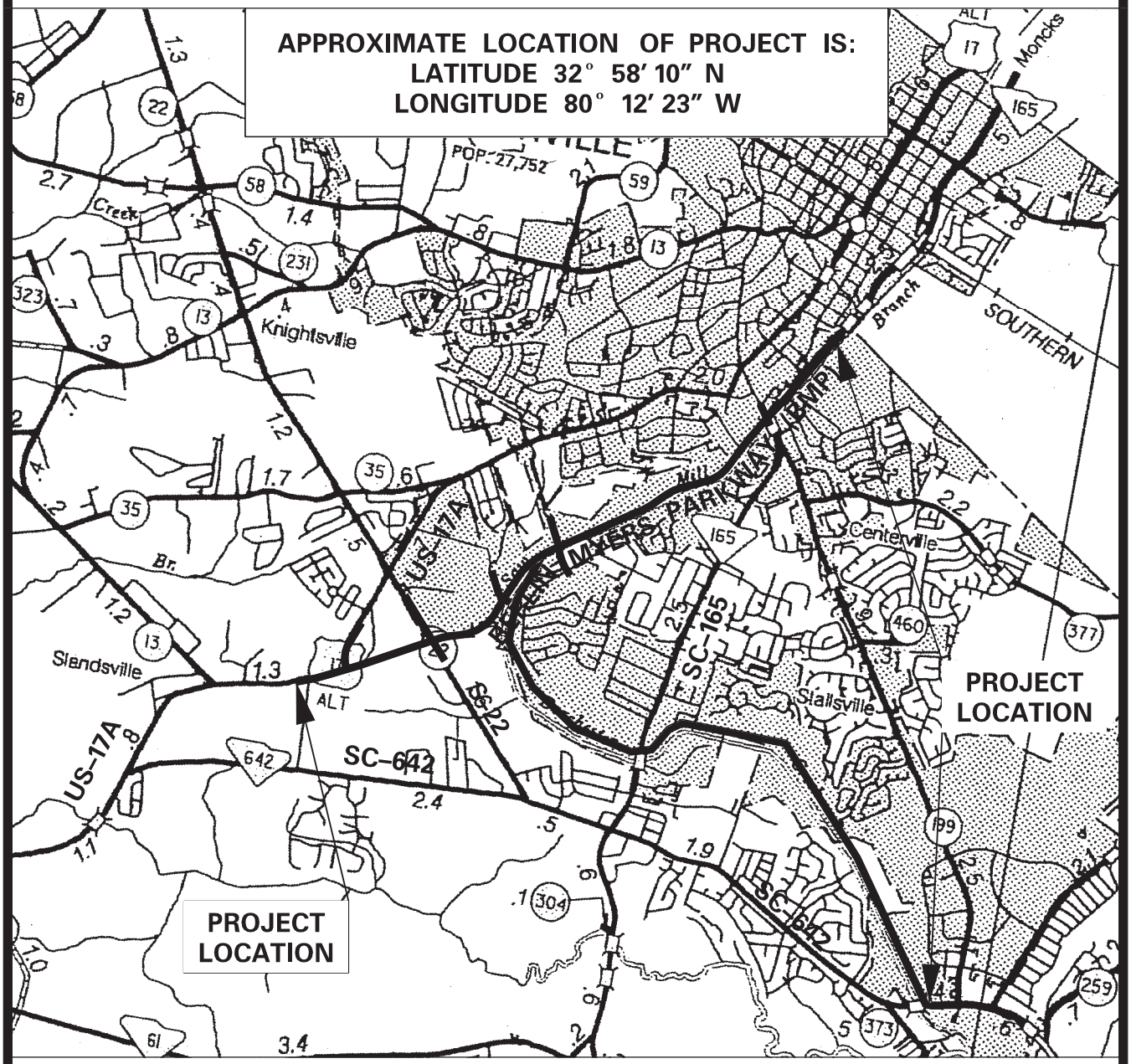
3. Legal and Policy Compliance. A determination will be made as to whether the proposal meets all legal and policy requirements. This includes the National Environmental Policy Act (NEPA) and other environmental compliance requirements, as well as USACE policy. While ensuring compliance is the responsibility of USACE, the requester is required to provide all information that the Charleston District identifies as necessary to satisfy all applicable federal laws, executive orders, regulations, policies, and ordinances.

408 Process Overview: The basic 408 process for this application is outlined in EC 1165-2-220, ¶¶ 7.h. (4). In cases in which a Section 408 permission (except for Section 408 decisions that must be made by the Division Commander, per paragraph 8.c.) and a Regulatory standard individual permit are both required for the same proposed alteration/activity, the district will conduct these evaluations in a coordinated and concurrent manner resulting in a single decision document. Note that implementing regulations and policies for the Regulatory permit require the evaluation of proposed activities and their compatibility with the purposes of a federal project. The Section 408 analysis informs the compatibility with the purposes of a federal project for Regulatory purposes. In addition, there will be a single transmittal letter to the requester that includes as attachments both the Section 408 decision letter and the Regulatory permit. The District Commander is the deciding official for the single decision document for these cases, although he or she may further delegate these combined decisions following the same requirements as in paragraph 8.d.

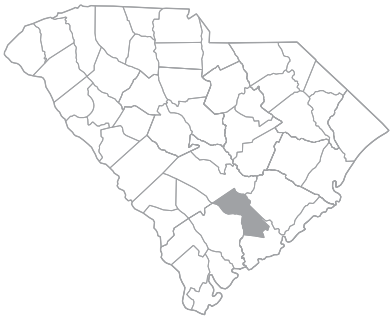
If there are any questions concerning this public notice, please contact Elizabeth Williams at 843-329-8099 or toll free at 1-866-329-8187, or by email at Elizabeth.g.williams@usace.army.mil

VICINITY MAP

FROM: DORCHESTER COUNTY MAP 1969



SHADED AREA INDICATES COUNTY LOCATION IN SC



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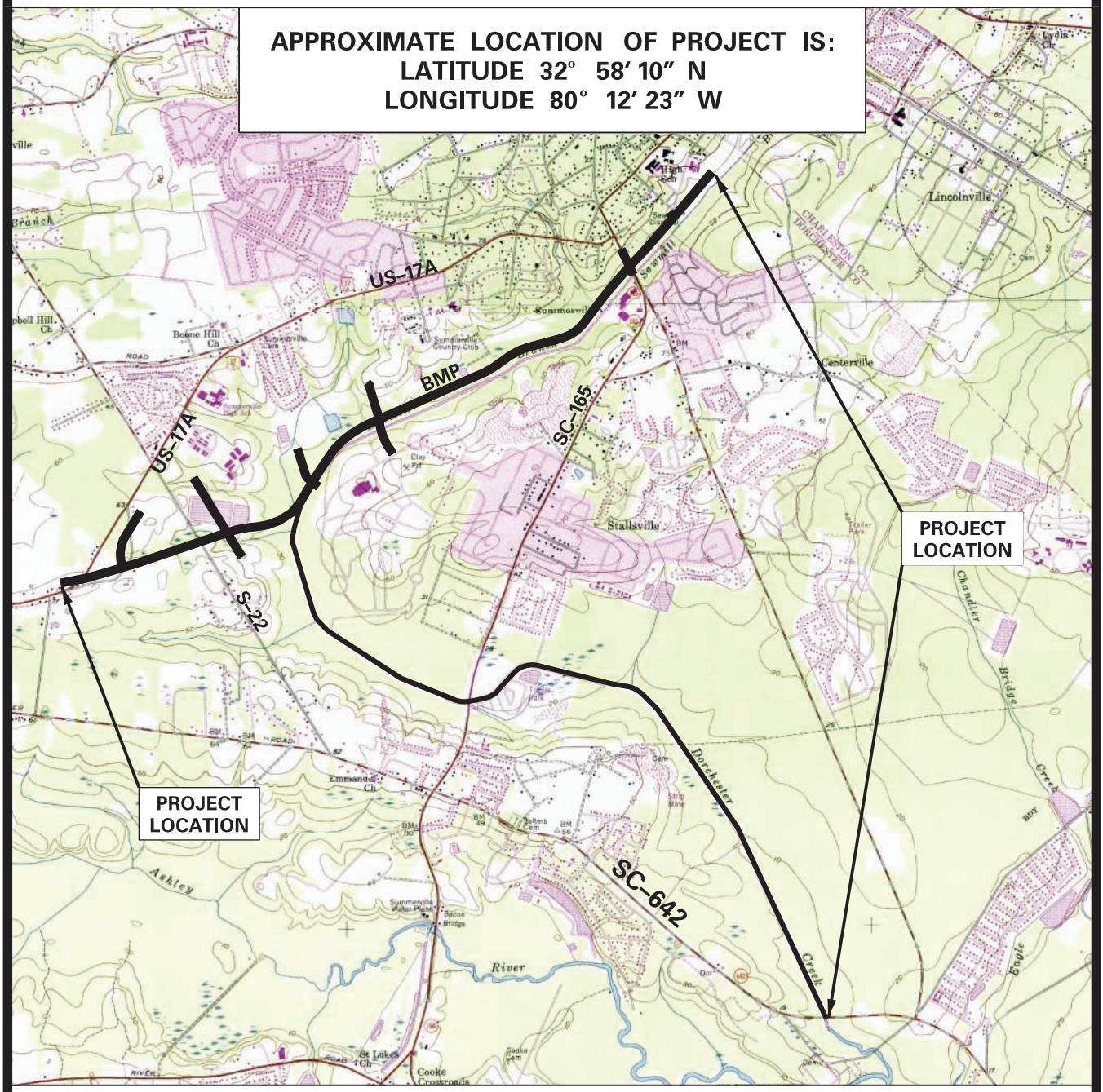
SCALE FEET

BERLIN MYERS PARKWAY
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021
SHEET 1 OF 89

USGS MAP

FROM: USGS QUAD MAPS
STALL (1979), SUMMV (1990)

APPROXIMATE LOCATION OF PROJECT IS:
LATITUDE 32° 58′ 10″ N
LONGITUDE 80° 12′ 23″ W



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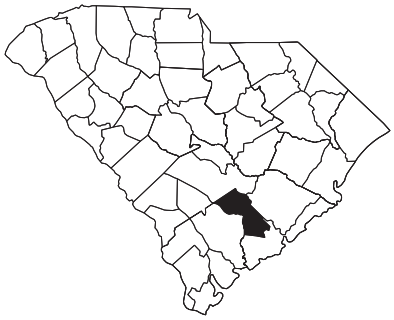

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SCALE FEET

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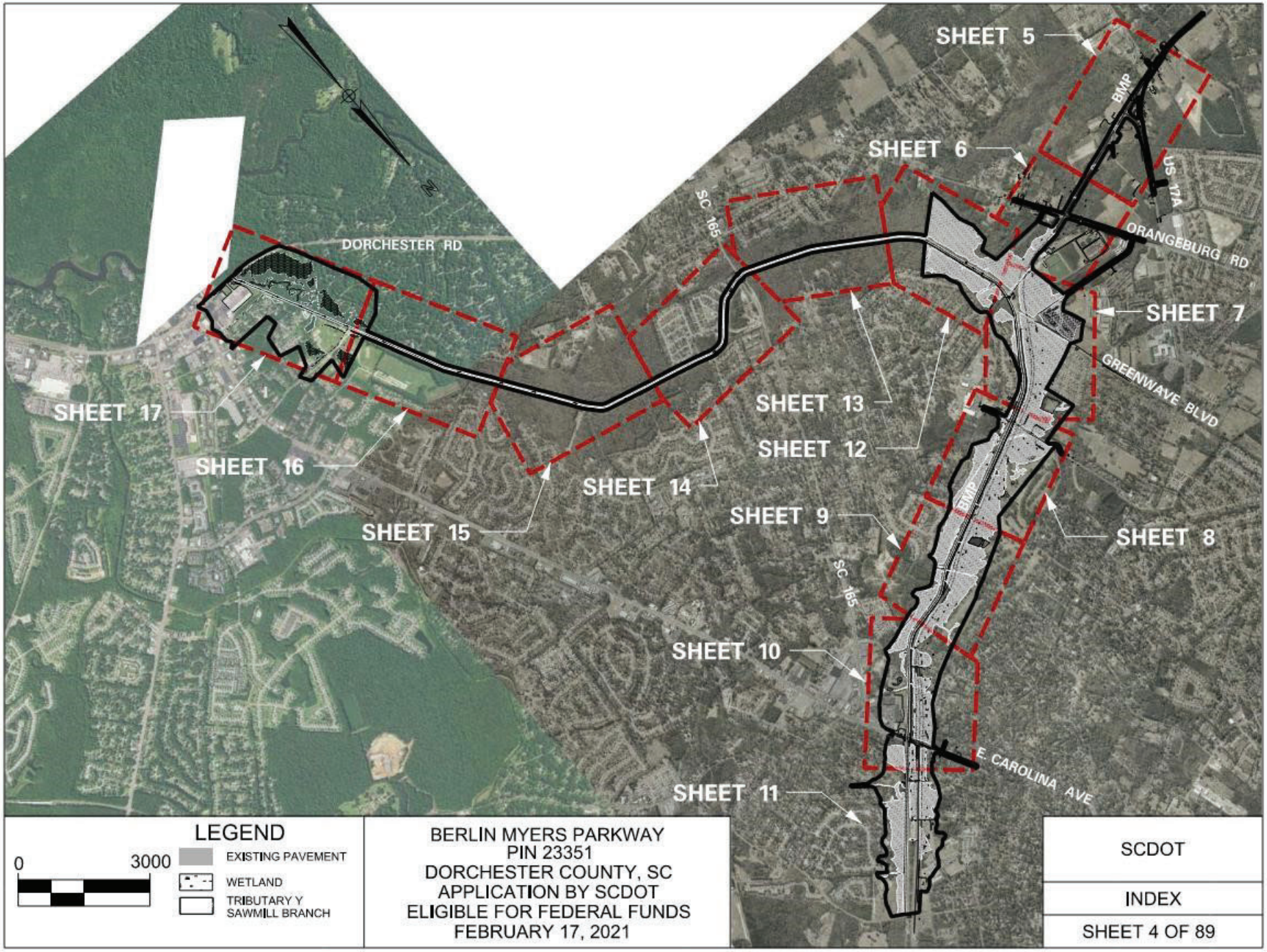
BERLIN MYERS PARKWAY
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021
SHEET 2 OF 89

Project Impacts to Waters of the U.S.				
	Jurisdictional Wetland (Acres)	Open Water (Acres)	Jurisdictional Tributary (LF)	Jurisdictional Tributary (Acres)
Permanent Fill	41.55	0.08		
Excavation	5.47			
Clearing	4.02			
Culvert			191	0.01
Pipe			56	0.01
Armoring			791	0.10
Morphologic			212	
Section 10 Waters			50	0.01
Totals	51.04	0.08	1,300	0.13
Jurisdictional Barrier Fence	39,600 LF			


SHEET 5
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SHEET 15
SHEET 16
SHEET 17
DORCHESTER RD
SC 165
BMP
US 17A
ORANGEBURG RD
GREENWAVE BLVD
E. CAROLINA AVE
N
LEGEND
0
3000
EXISTING PAVEMENT
WETLAND
TRIBUTARY Y
SAWMILL BRANCH
BERLIN MYERS PARKWAY
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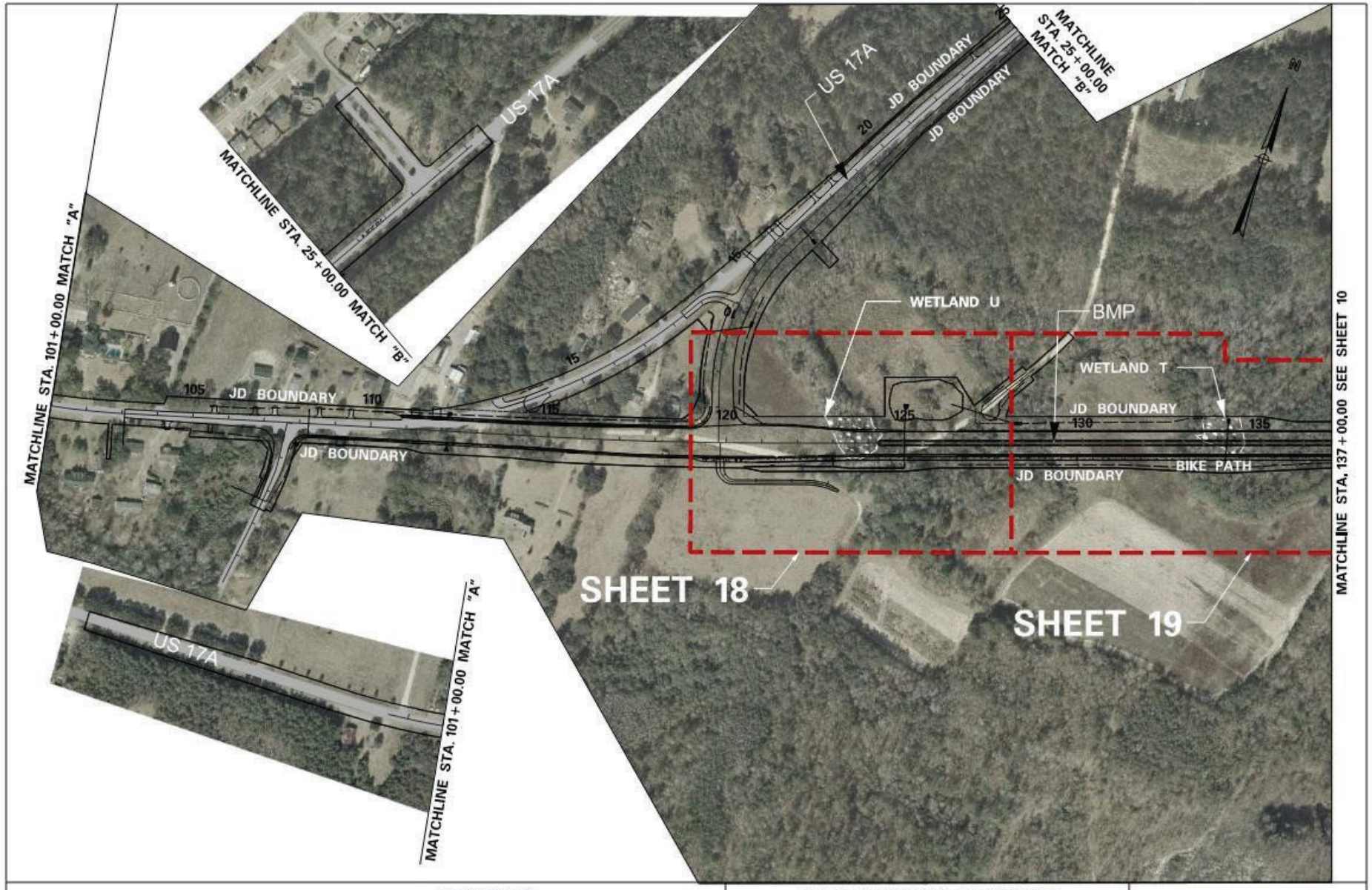

LEGEND

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EXISTING PAVEMENT

WETLAND

TRIBUTARY Y
SAWMILL BRANCH

JD BOUNDARY

BERLIN MYERS PARKWAY
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021

SCDOT

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BERLIN MYERS PARKWAY (PHASE 3)
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
AUGUST 26, 2019

SCDOT

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LEGEND

0 400

EXISTING PAVEMENT

WETLAND

TRIBUTARY Y
SAWMILL BRANCH

JD BOUNDARY

BERLIN MYERS PARKWAY
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021

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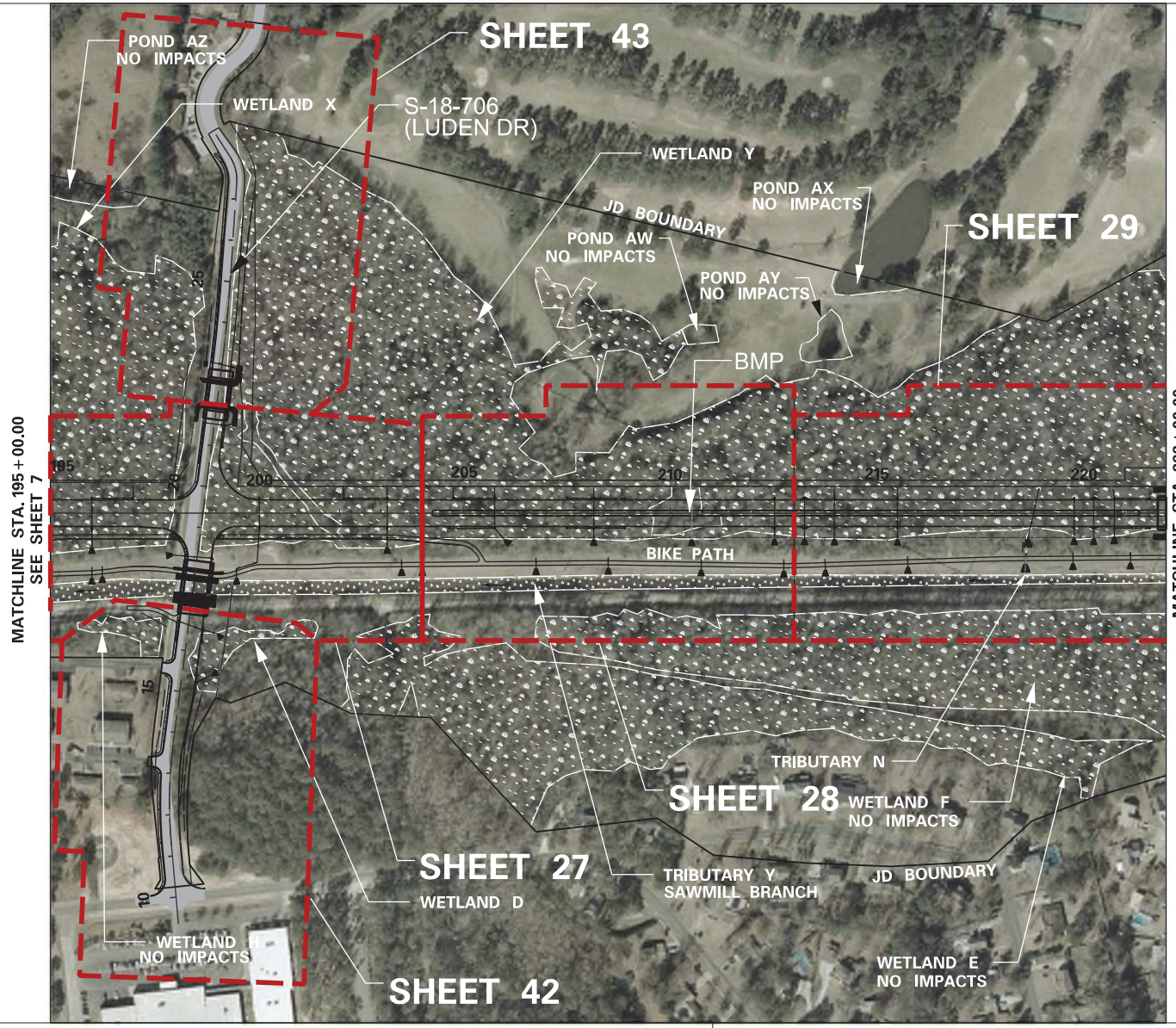

LEGEND

0 400

EXISTING PAVEMENT

WETLAND

TRIBUTARY Y
SAWMILL BRANCH

JD BOUNDARY

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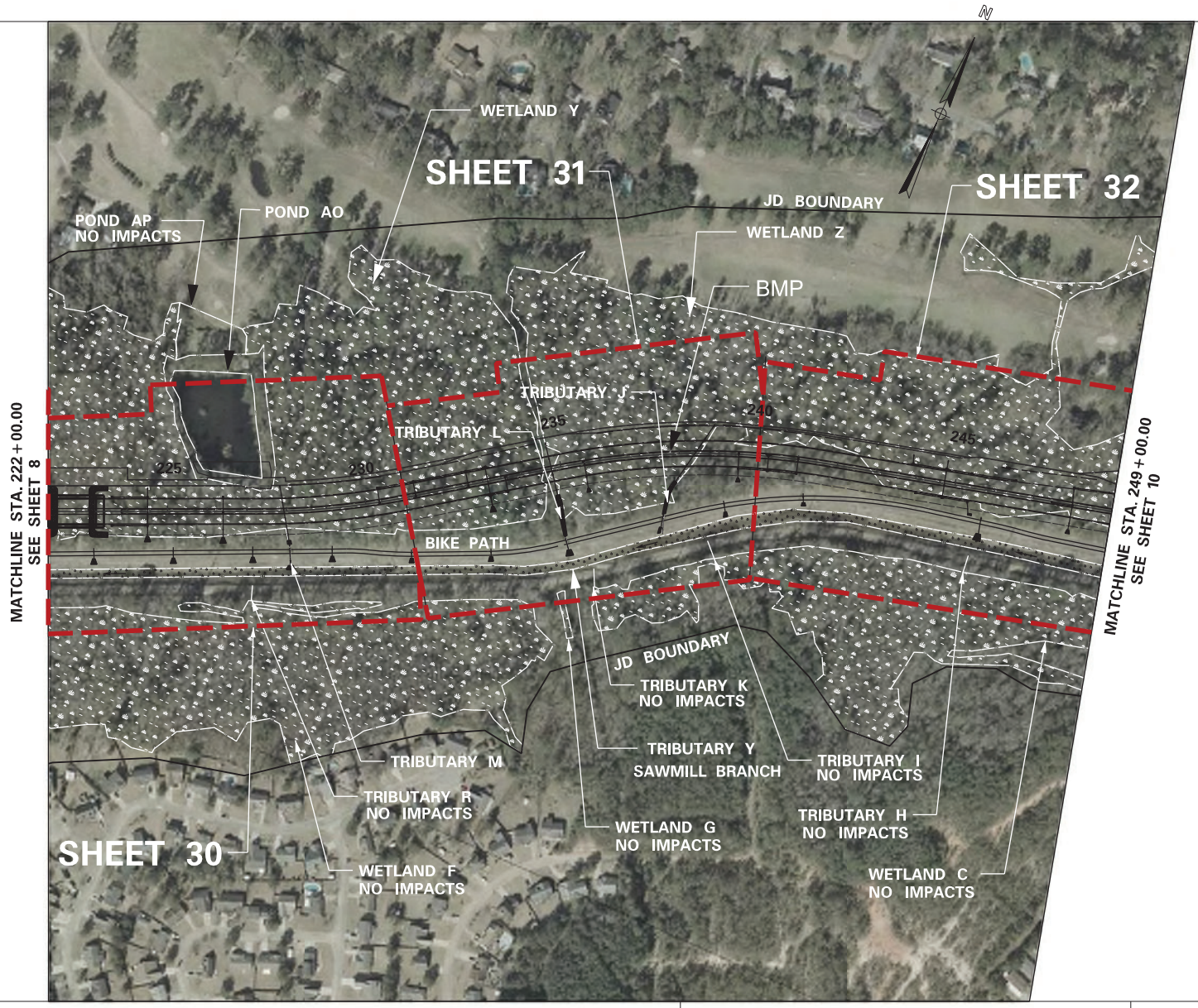

LEGEND

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- JD BOUNDARY

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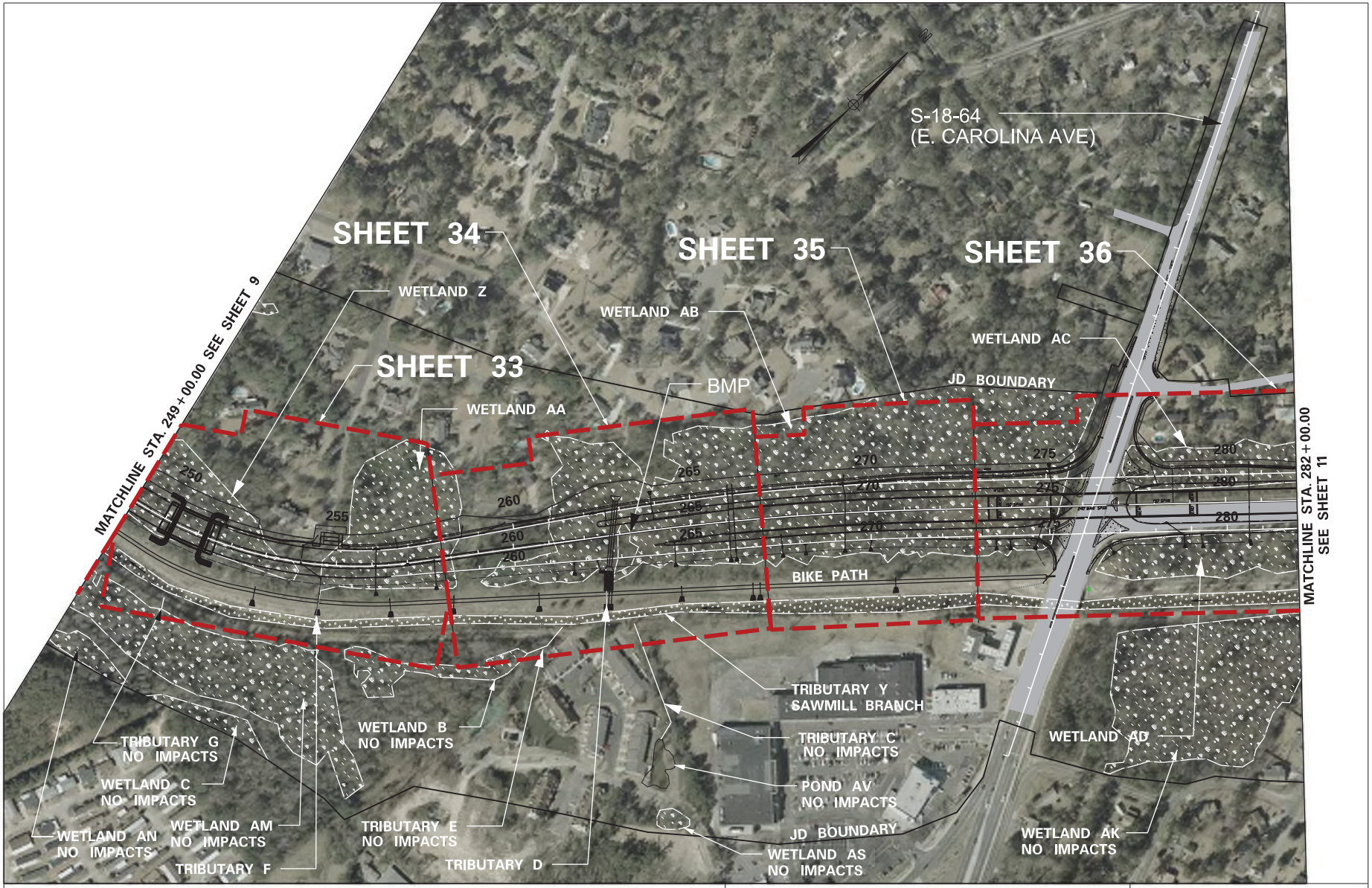

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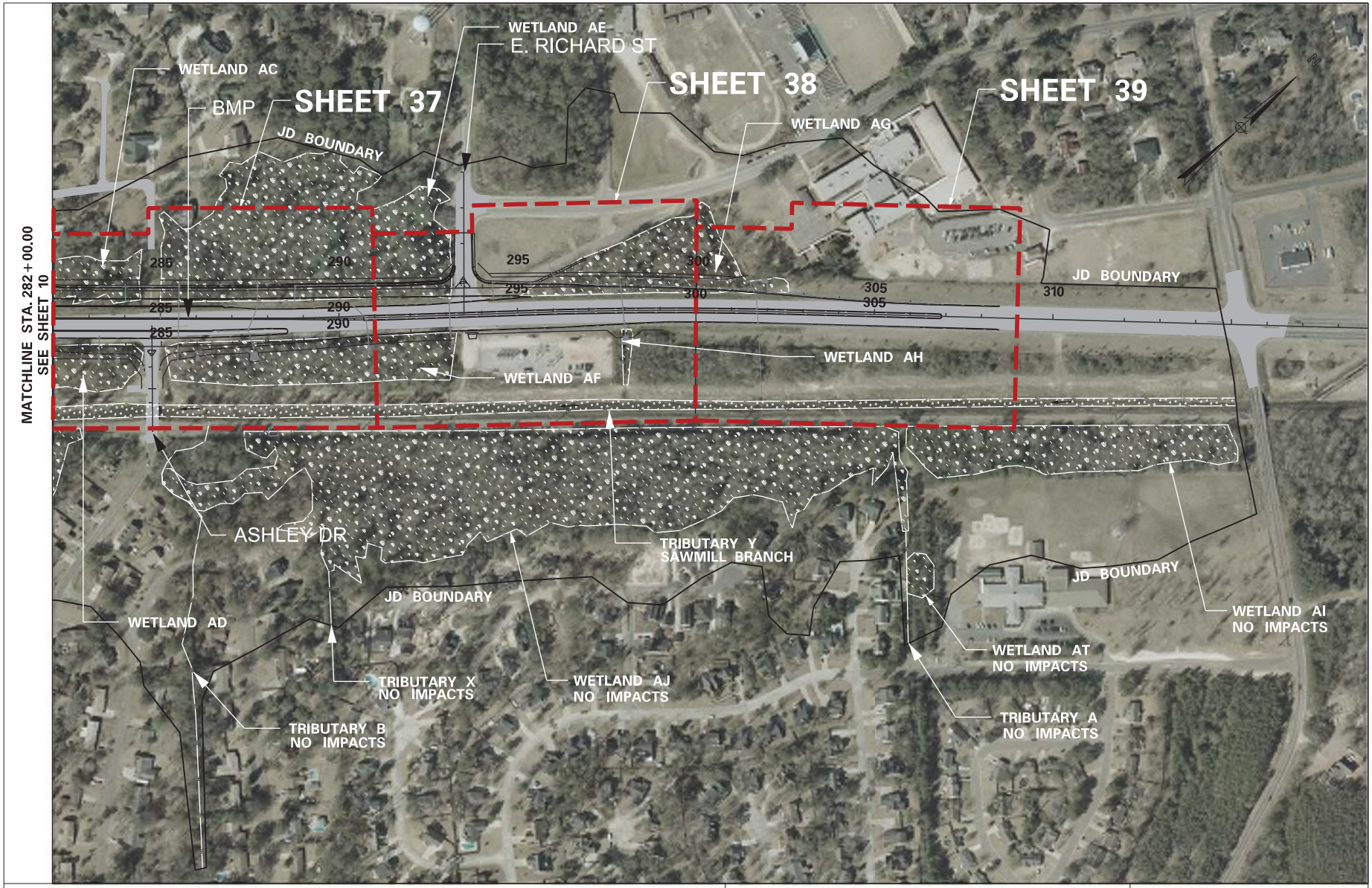

LEGEND

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EXISTING PAVEMENT

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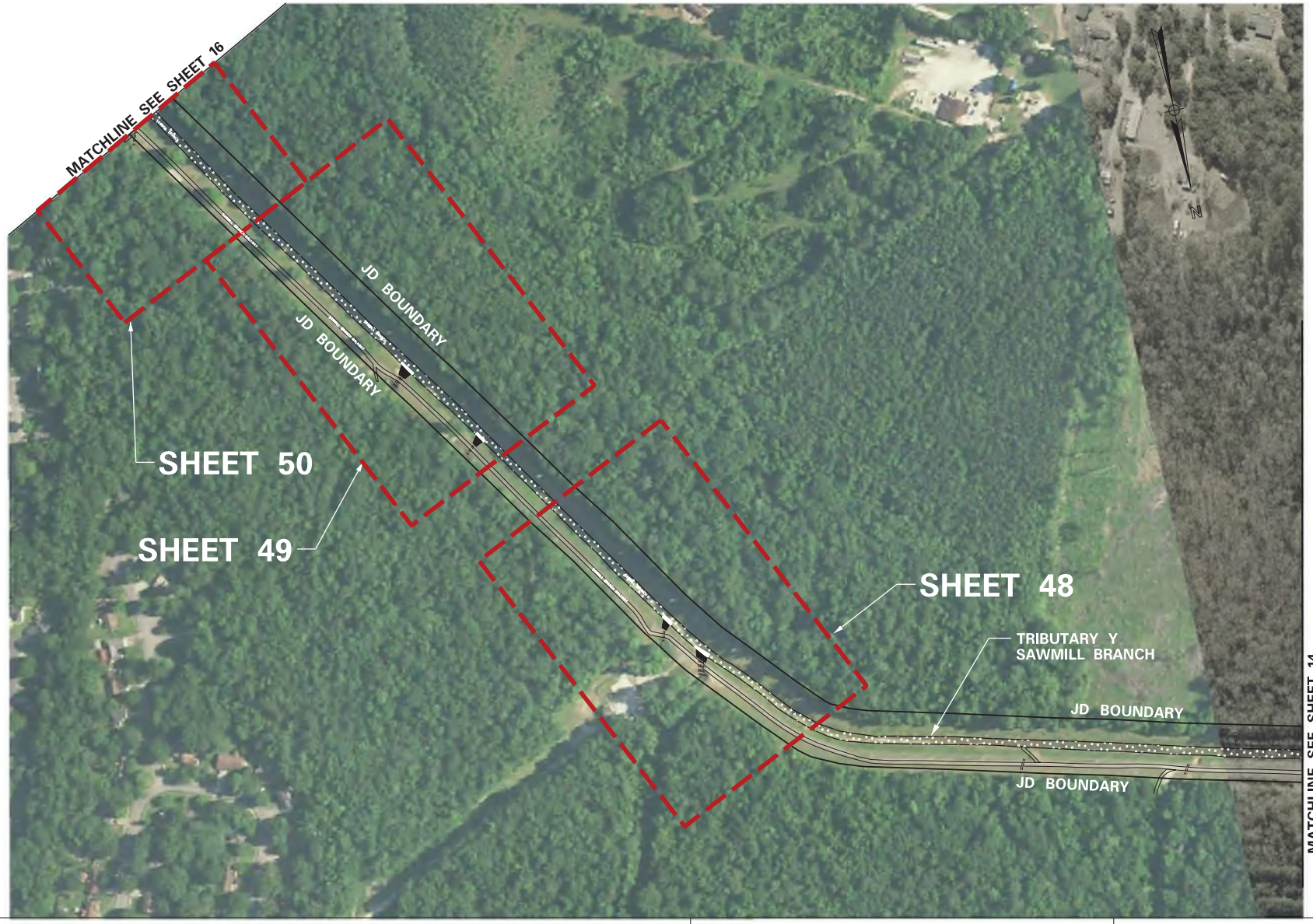

LEGEND

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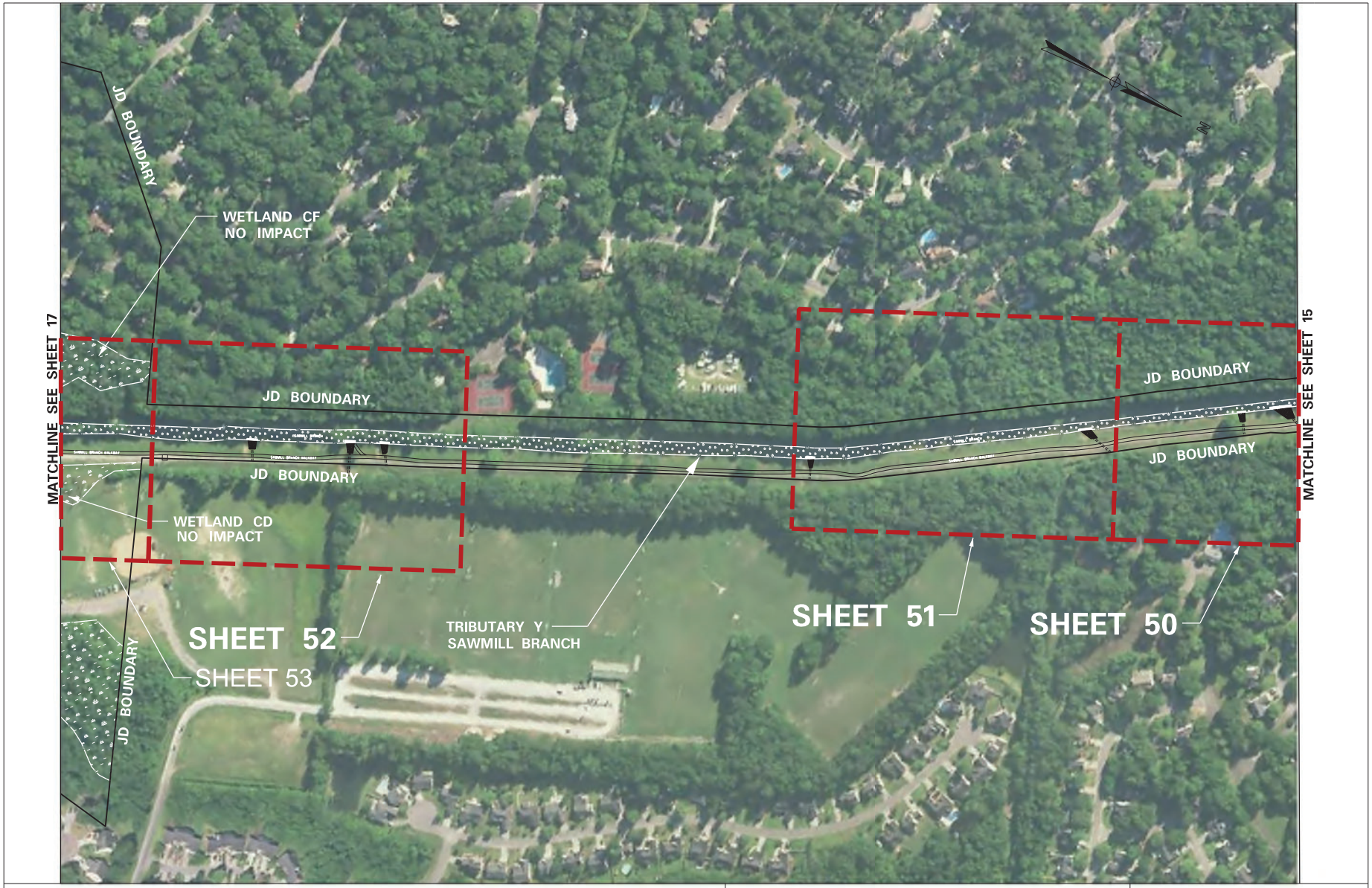

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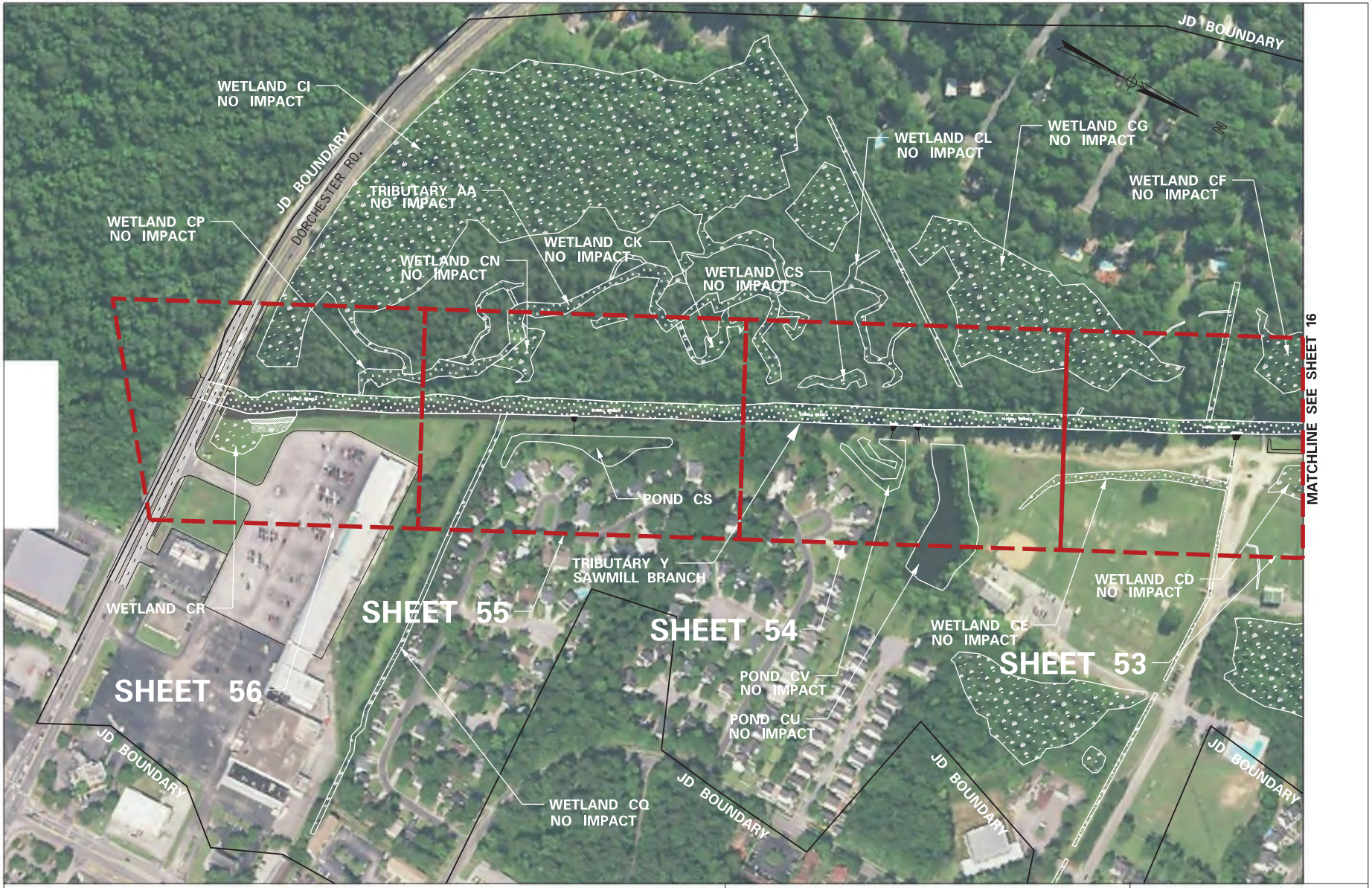

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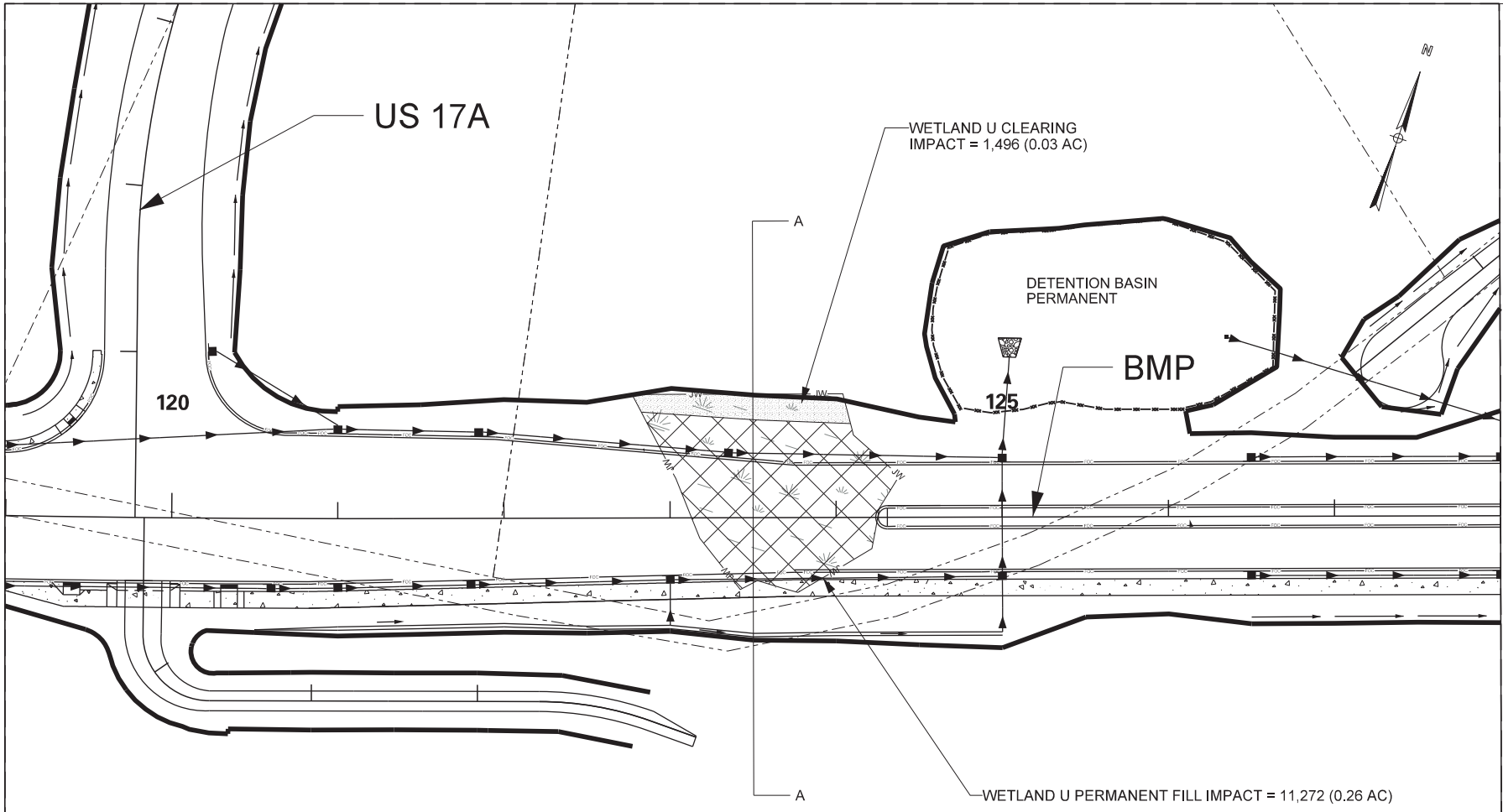

IMPACTS THIS SHEET:
PERMANENT FILL IMPACTS = 11,272 SF (0.26 AC)
EXCAVATION IMPACTS = 0 SF (0.00 AC)
CLEARING IMPACT = 1,496 SF (0.03 AC)

0 100

LEGEND

- PERMANENT FILL IMPACT
- EXCAVATION IMPACT
- CLEARING IMPACT
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- EXISTING PAVEMENT
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- WETLAND
- TRIBUTARY Y SAWMILL BRANCH
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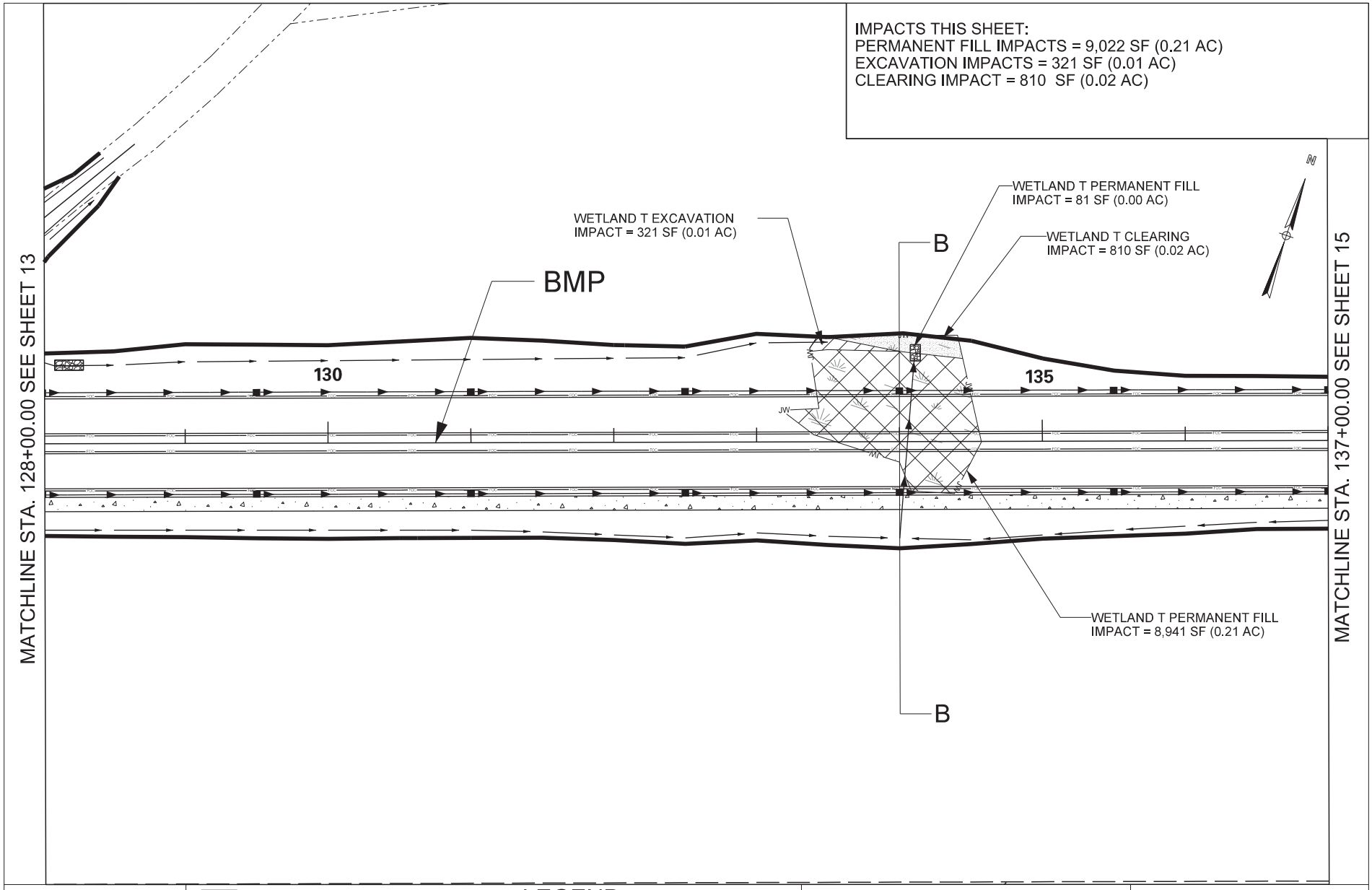

0 100

LEGEND

- PERMANENT FILL IMPACT
- EXCAVATION IMPACT
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- ARMORING / RIPRAP
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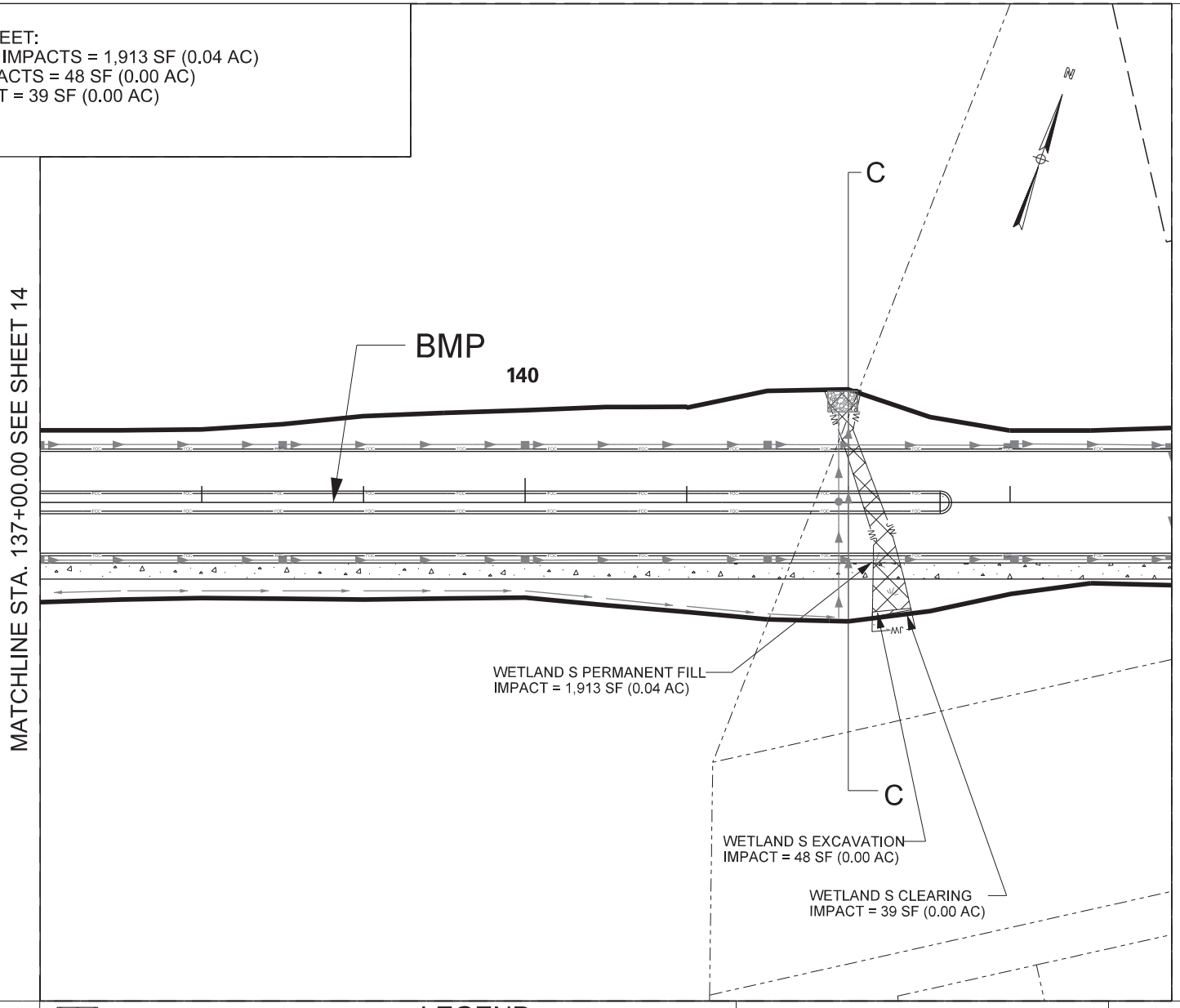
WET T

IMPACTS THIS SHEET:
PERMANENT FILL IMPACTS = 1,913 SF (0.04 AC)
EXCAVATION IMPACTS = 48 SF (0.00 AC)
CLEARING IMPACT = 39 SF (0.00 AC)



0 100

LEGEND

- PERMANENT FILL IMPACT
- EXCAVATION IMPACT
- CLEARING IMPACT
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- POND
- FLOODPLAIN BENCH AREA
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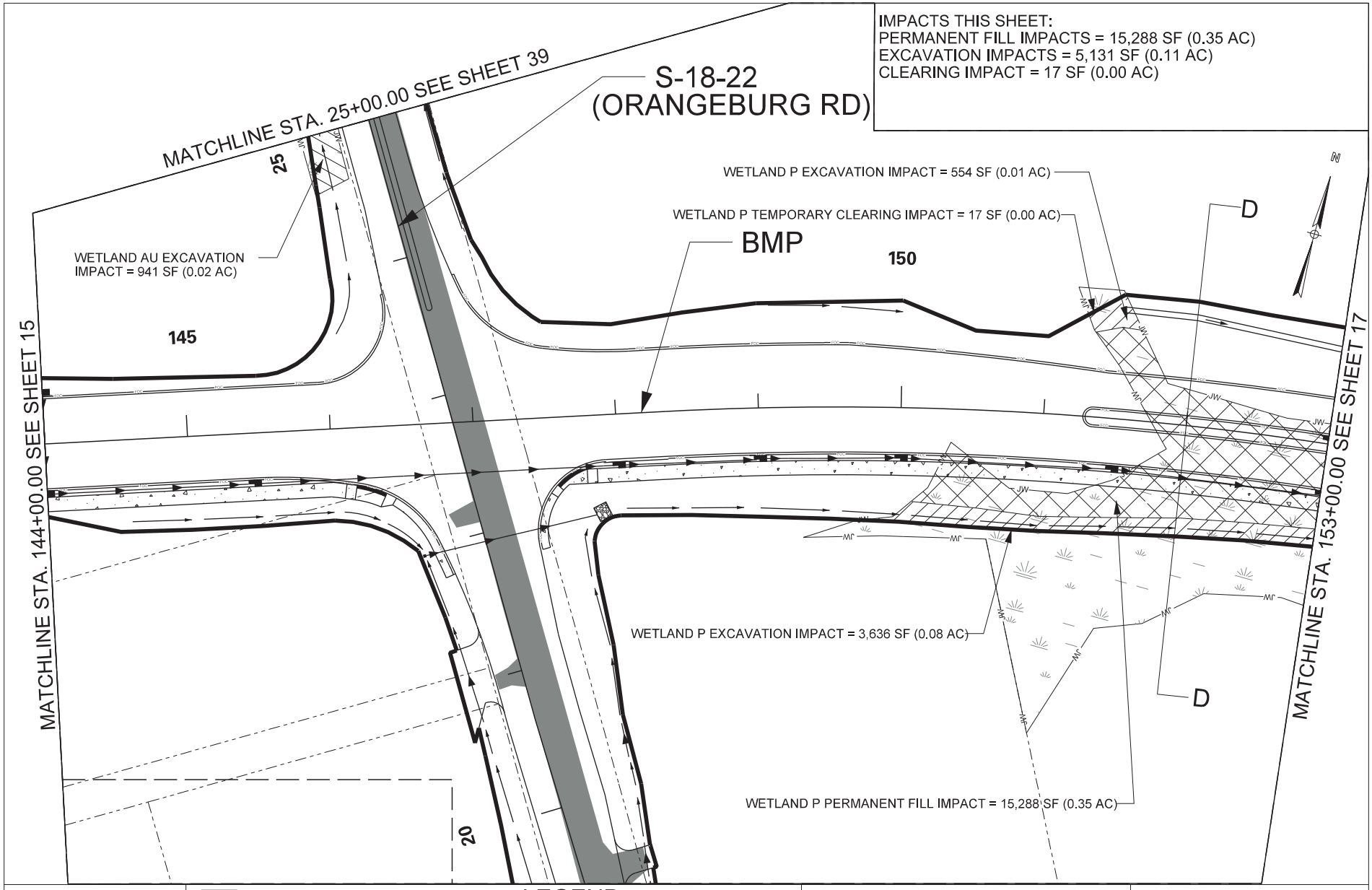
WET S


IMPACTS THIS SHEET:
PERMANENT FILL IMPACTS = 15,288 SF (0.35 AC)
EXCAVATION IMPACTS = 5,131 SF (0.11 AC)
CLEARING IMPACT = 17 SF (0.00 AC)
MATCHLINE STA. 25+00.00 SEE SHEET 39
S-18-22
(ORANGEBURG RD)
WETLAND P EXCAVATION IMPACT = 554 SF (0.01 AC)
WETLAND P TEMPORARY CLEARING IMPACT = 17 SF (0.00 AC)
BMP
WETLAND AU EXCAVATION
IMPACT = 941 SF (0.02 AC)
150
145
25
D
N
MATCHLINE STA. 144+00.00 SEE SHEET 15
MATCHLINE STA. 153+00.00 SEE SHEET 17
WETLAND P EXCAVATION IMPACT = 3,636 SF (0.08 AC)
D
WETLAND P PERMANENT FILL IMPACT = 15,288 SF (0.35 AC)
20
0
100
LEGEND
PERMANENT FILL IMPACT
EXCAVATION IMPACT
CLEARING IMPACT
ARMORING / RIPRAP
POND
FLOODPLAIN BENCH AREA
EXISTING PAVEMENT
SIDEWALK
WETLAND
TRIBUTARY Y
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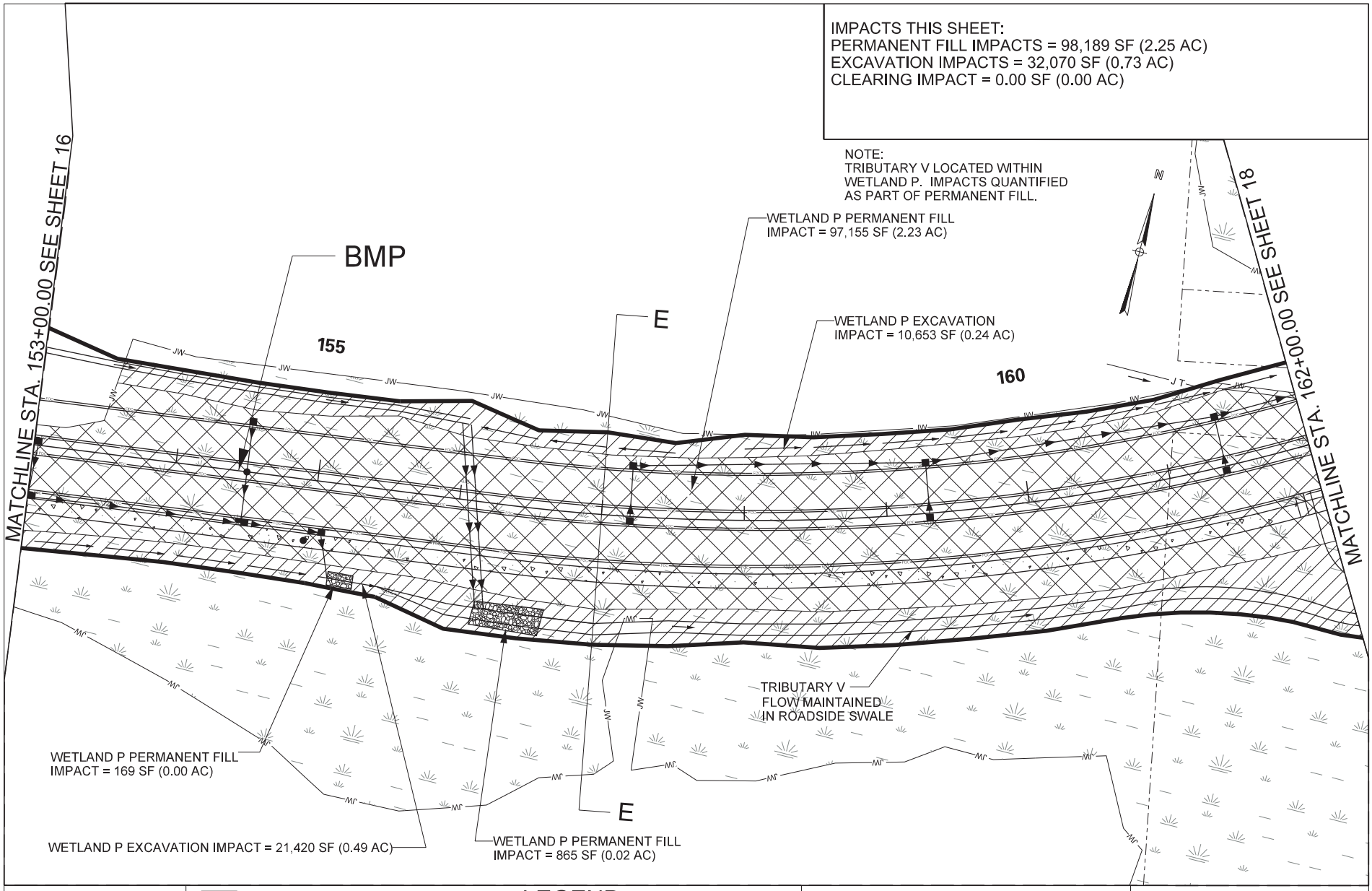

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LEGEND

- PERMANENT FILL IMPACT
- EXCAVATION IMPACT
- CLEARING IMPACT
- ARMORING / RIPRAP
- POND
- FLOODPLAIN BENCH AREA
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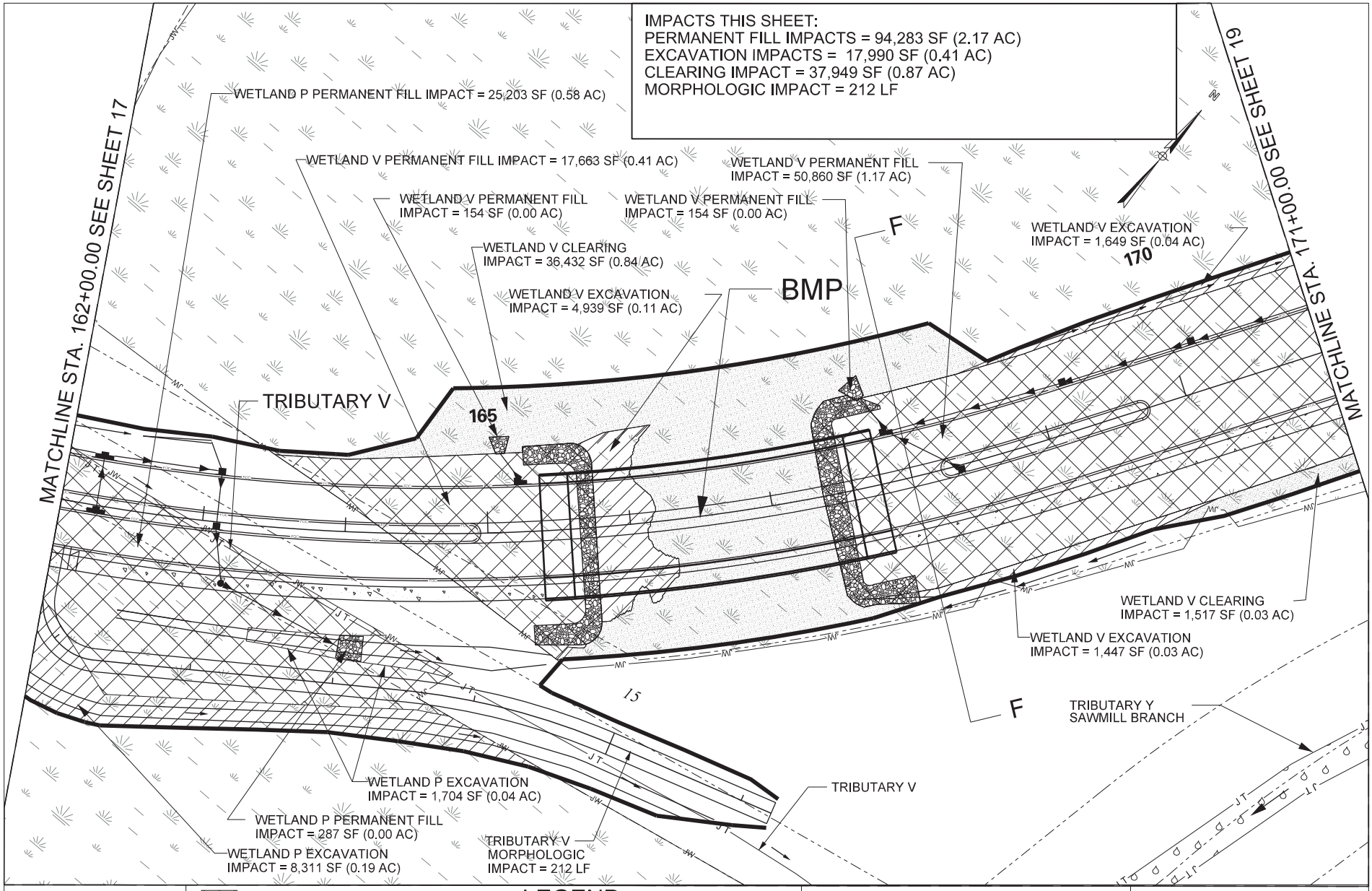
WET P & TRIB V


IMPACTS THIS SHEET:
PERMANENT FILL IMPACTS = 94,283 SF (2.17 AC)
EXCAVATION IMPACTS = 17,990 SF (0.41 AC)
CLEARING IMPACT = 37,949 SF (0.87 AC)
MORPHOLOGIC IMPACT = 212 LF
MATCHLINE STA. 162+00.00 SEE SHEET 17
MATCHLINE STA. 171+00.00 SEE SHEET 19
WETLAND P PERMANENT FILL IMPACT = 25,203 SF (0.58 AC)
WETLAND V PERMANENT FILL IMPACT = 17,663 SF (0.41 AC)
WETLAND V PERMANENT FILL IMPACT = 50,860 SF (1.17 AC)
WETLAND V PERMANENT FILL IMPACT = 154 SF (0.00 AC)
WETLAND V PERMANENT FILL IMPACT = 154 SF (0.00 AC)
WETLAND V CLEARING IMPACT = 36,432 SF (0.84 AC)
WETLAND V EXCAVATION IMPACT = 4,939 SF (0.11 AC)
WETLAND V EXCAVATION IMPACT = 1,649 SF (0.04 AC)
BMP
TRIBUTARY V
165
170
15
F
WETLAND V CLEARING IMPACT = 1,517 SF (0.03 AC)
WETLAND V EXCAVATION IMPACT = 1,447 SF (0.03 AC)
TRIBUTARY Y SAWMILL BRANCH
WETLAND P EXCAVATION IMPACT = 1,704 SF (0.04 AC)
WETLAND P PERMANENT FILL IMPACT = 287 SF (0.00 AC)
WETLAND P EXCAVATION IMPACT = 8,311 SF (0.19 AC)
TRIBUTARY V MORPHOLOGIC IMPACT = 212 LF
TRIBUTARY V
JT
JW
OW
0
100
LEGEND
PERMANENT FILL IMPACT
EXCAVATION IMPACT
CLEARING IMPACT
ARMORING / RIPRAP
POND
FLOODPLAIN BENCH AREA
EXISTING PAVEMENT
SIDEWALK
WETLAND
TRIBUTARY Y SAWMILL BRANCH
PROPOSED PIPES
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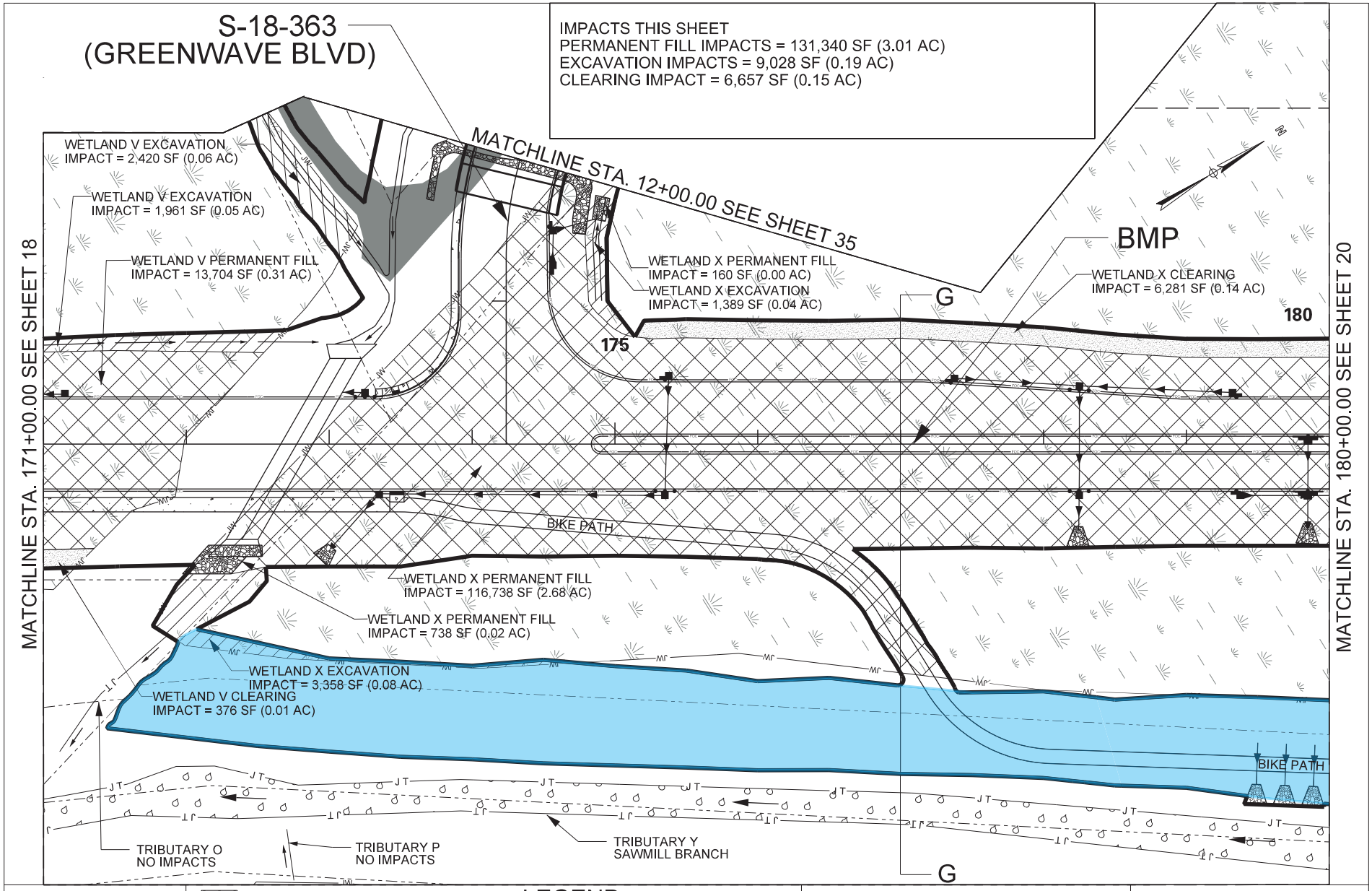
S-18-363
(GREENWAVE BLVD)
IMPACTS THIS SHEET
PERMANENT FILL IMPACTS = 131,340 SF (3.01 AC)
EXCAVATION IMPACTS = 9,028 SF (0.19 AC)
CLEARING IMPACT = 6,657 SF (0.15 AC)
MATCHLINE STA. 12+00.00 SEE SHEET 35
MATCHLINE STA. 171+00.00 SEE SHEET 18
MATCHLINE STA. 180+00.00 SEE SHEET 20
WETLAND V EXCAVATION
IMPACT = 2,420 SF (0.06 AC)
WETLAND V EXCAVATION
IMPACT = 1,961 SF (0.05 AC)
WETLAND V PERMANENT FILL
IMPACT = 13,704 SF (0.31 AC)
WETLAND X PERMANENT FILL
IMPACT = 160 SF (0.00 AC)
WETLAND X EXCAVATION
IMPACT = 1,389 SF (0.04 AC)
WETLAND X CLEARING
IMPACT = 6,281 SF (0.14 AC)
BMP
175
180
G
BIKE PATH
WETLAND X PERMANENT FILL
IMPACT = 116,738 SF (2.68 AC)
WETLAND X PERMANENT FILL
IMPACT = 738 SF (0.02 AC)
WETLAND X EXCAVATION
IMPACT = 3,358 SF (0.08 AC)
WETLAND V CLEARING
IMPACT = 376 SF (0.01 AC)
BIKE PATH
TRIBUTARY O
NO IMPACTS
TRIBUTARY P
NO IMPACTS
TRIBUTARY Y
SAWMILL BRANCH
G
0
100
LEGEND
PERMANENT FILL IMPACT
EXCAVATION IMPACT
CLEARING IMPACT
ARMORING / RIPRAP
POND
FLOODPLAIN BENCH AREA
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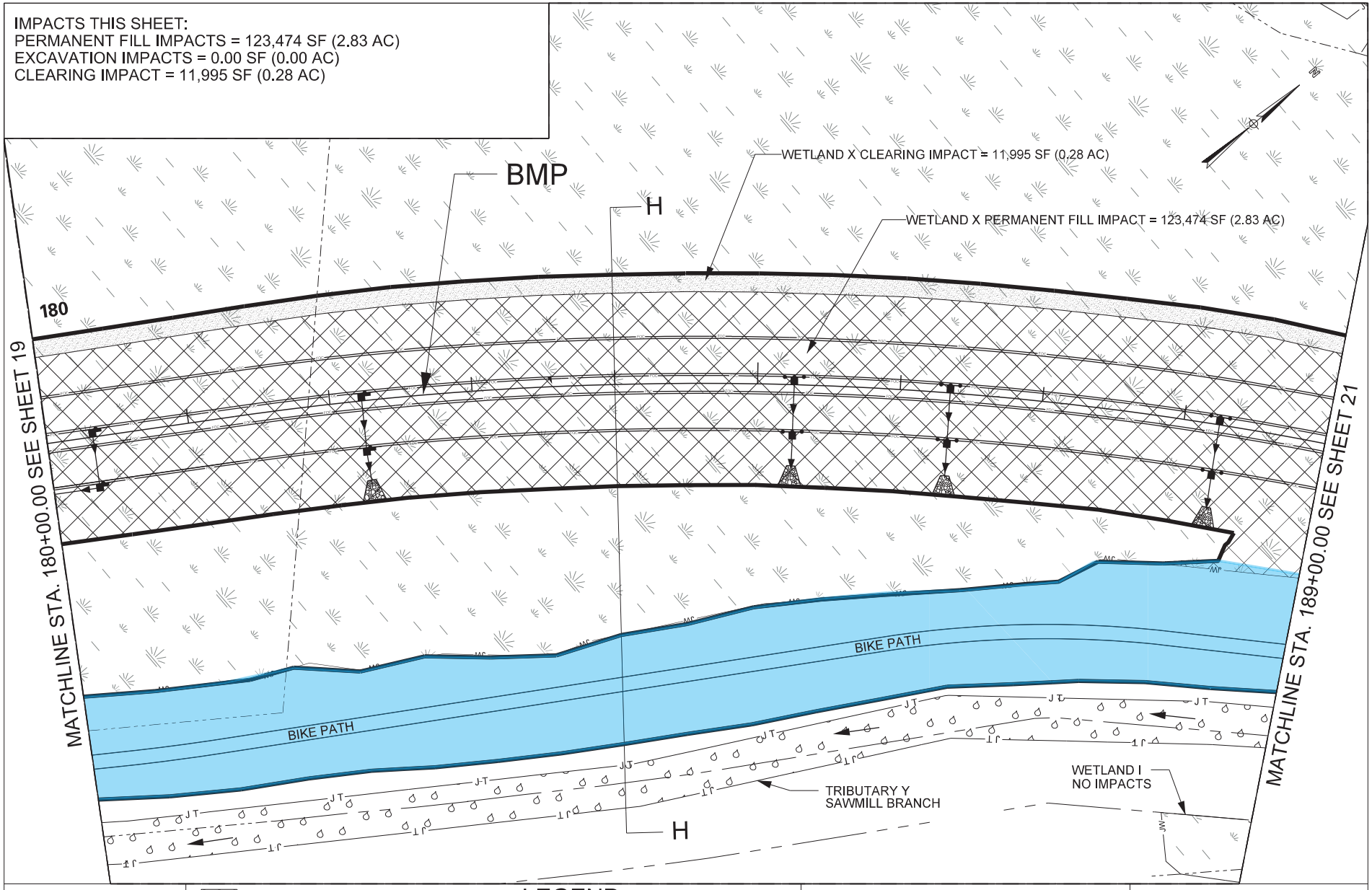
IMPACTS THIS SHEET:
PERMANENT FILL IMPACTS = 123,474 SF (2.83 AC)
EXCAVATION IMPACTS = 0.00 SF (0.00 AC)
CLEARING IMPACT = 11,995 SF (0.28 AC)



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LEGEND

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- EXCAVATION IMPACT
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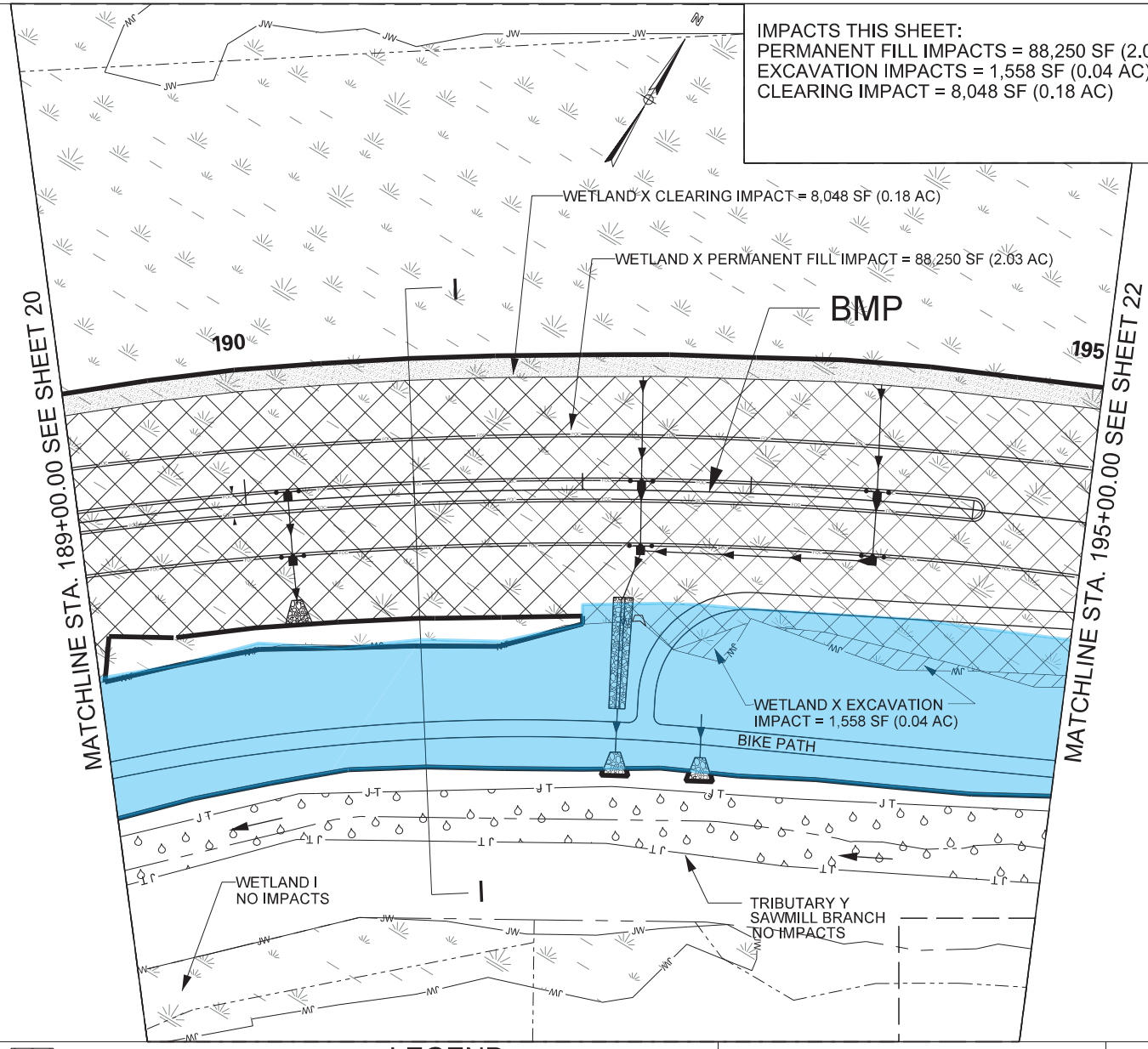
IMPACTS THIS SHEET:
PERMANENT FILL IMPACTS = 88,250 SF (2.03 AC)
EXCAVATION IMPACTS = 1,558 SF (0.04 AC)
CLEARING IMPACT = 8,048 SF (0.18 AC)
WETLAND X CLEARING IMPACT = 8,048 SF (0.18 AC)
WETLAND X PERMANENT FILL IMPACT = 88,250 SF (2.03 AC)
BMP
190
195
MATCHLINE STA. 189+00.00 SEE SHEET 20
MATCHLINE STA. 195+00.00 SEE SHEET 22
WETLAND X EXCAVATION IMPACT = 1,558 SF (0.04 AC)
BIKE PATH
WETLAND I NO IMPACTS
TRIBUTARY Y SAWMILL BRANCH NO IMPACTS
I
0
100
LEGEND
PERMANENT FILL IMPACT
EXCAVATION IMPACT
CLEARING IMPACT
ARMORING / RIPRAP
POND
FLOODPLAIN BENCH AREA
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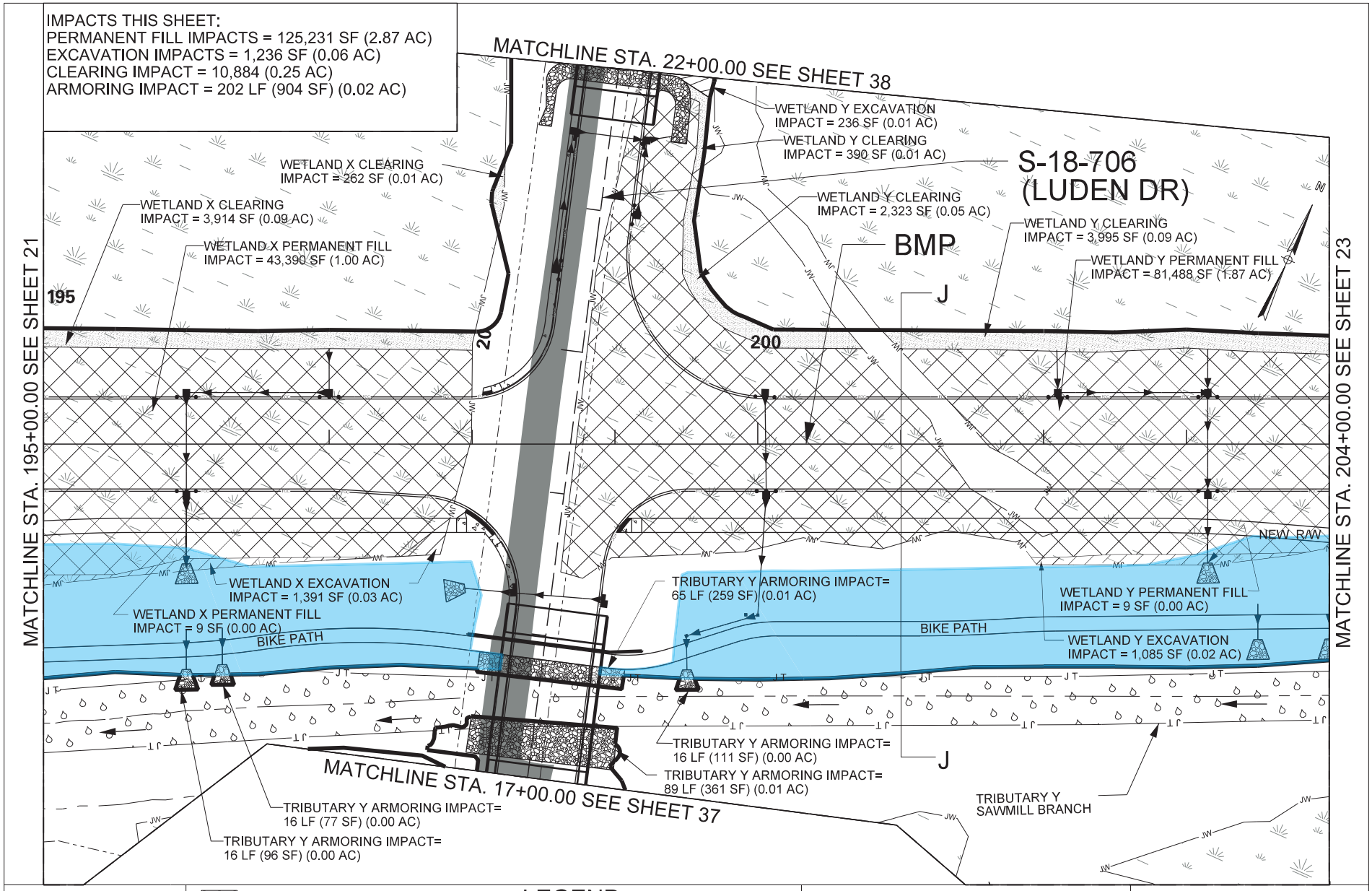
IMPACTS THIS SHEET:
PERMANENT FILL IMPACTS = 125,231 SF (2.87 AC)
EXCAVATION IMPACTS = 1,236 SF (0.06 AC)
CLEARING IMPACT = 10,884 (0.25 AC)
ARMORING IMPACT = 202 LF (904 SF) (0.02 AC)
MATCHLINE STA. 22+00.00 SEE SHEET 38
MATCHLINE STA. 195+00.00 SEE SHEET 21
MATCHLINE STA. 204+00.00 SEE SHEET 23
MATCHLINE STA. 17+00.00 SEE SHEET 37
S-18-706
(LUDEN DR)
BMP
J
195
200
WETLAND X CLEARING
IMPACT = 262 SF (0.01 AC)
WETLAND X CLEARING
IMPACT = 3,914 SF (0.09 AC)
WETLAND X PERMANENT FILL
IMPACT = 43,390 SF (1.00 AC)
WETLAND Y EXCAVATION
IMPACT = 236 SF (0.01 AC)
WETLAND Y CLEARING
IMPACT = 390 SF (0.01 AC)
WETLAND Y CLEARING
IMPACT = 2,323 SF (0.05 AC)
WETLAND Y CLEARING
IMPACT = 3,995 SF (0.09 AC)
WETLAND Y PERMANENT FILL
IMPACT = 81,488 SF (1.87 AC)
NEW R/W
WETLAND X EXCAVATION
IMPACT = 1,391 SF (0.03 AC)
WETLAND X PERMANENT FILL
IMPACT = 9 SF (0.00 AC)
BIKE PATH
TRIBUTARY Y ARMORING IMPACT=
65 LF (259 SF) (0.01 AC)
WETLAND Y PERMANENT FILL
IMPACT = 9 SF (0.00 AC)
BIKE PATH
WETLAND Y EXCAVATION
IMPACT = 1,085 SF (0.02 AC)
TRIBUTARY Y ARMORING IMPACT=
16 LF (111 SF) (0.00 AC)
TRIBUTARY Y ARMORING IMPACT=
89 LF (361 SF) (0.01 AC)
TRIBUTARY Y ARMORING IMPACT=
16 LF (77 SF) (0.00 AC)
TRIBUTARY Y ARMORING IMPACT=
16 LF (96 SF) (0.00 AC)
TRIBUTARY Y
SAWMILL BRANCH
0
100
LEGEND
PERMANENT FILL IMPACT
EXCAVATION IMPACT
CLEARING IMPACT
ARMORING / RIPRAP
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WET E, X, Y & TRIB Y
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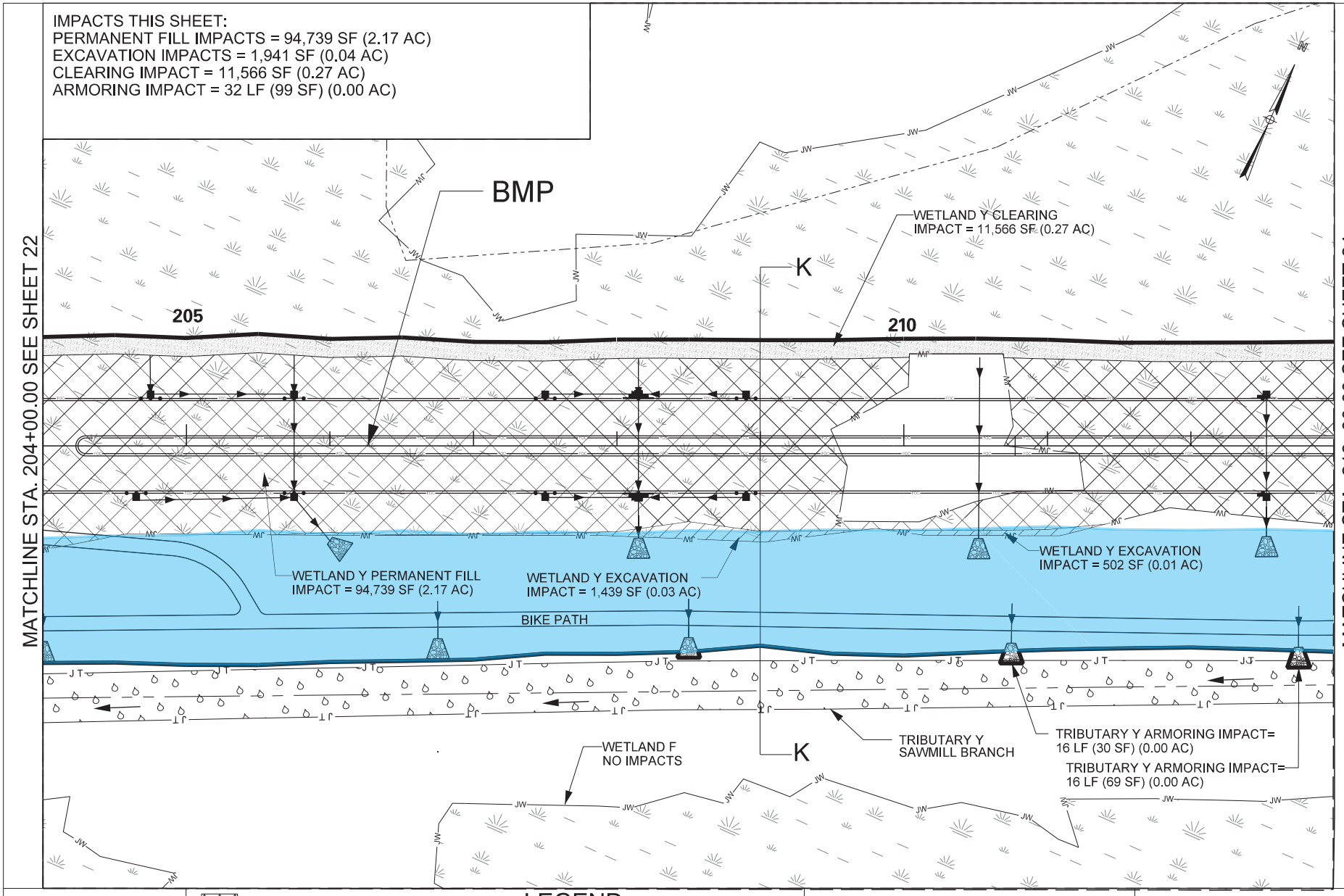

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WET Y & TRIB Y

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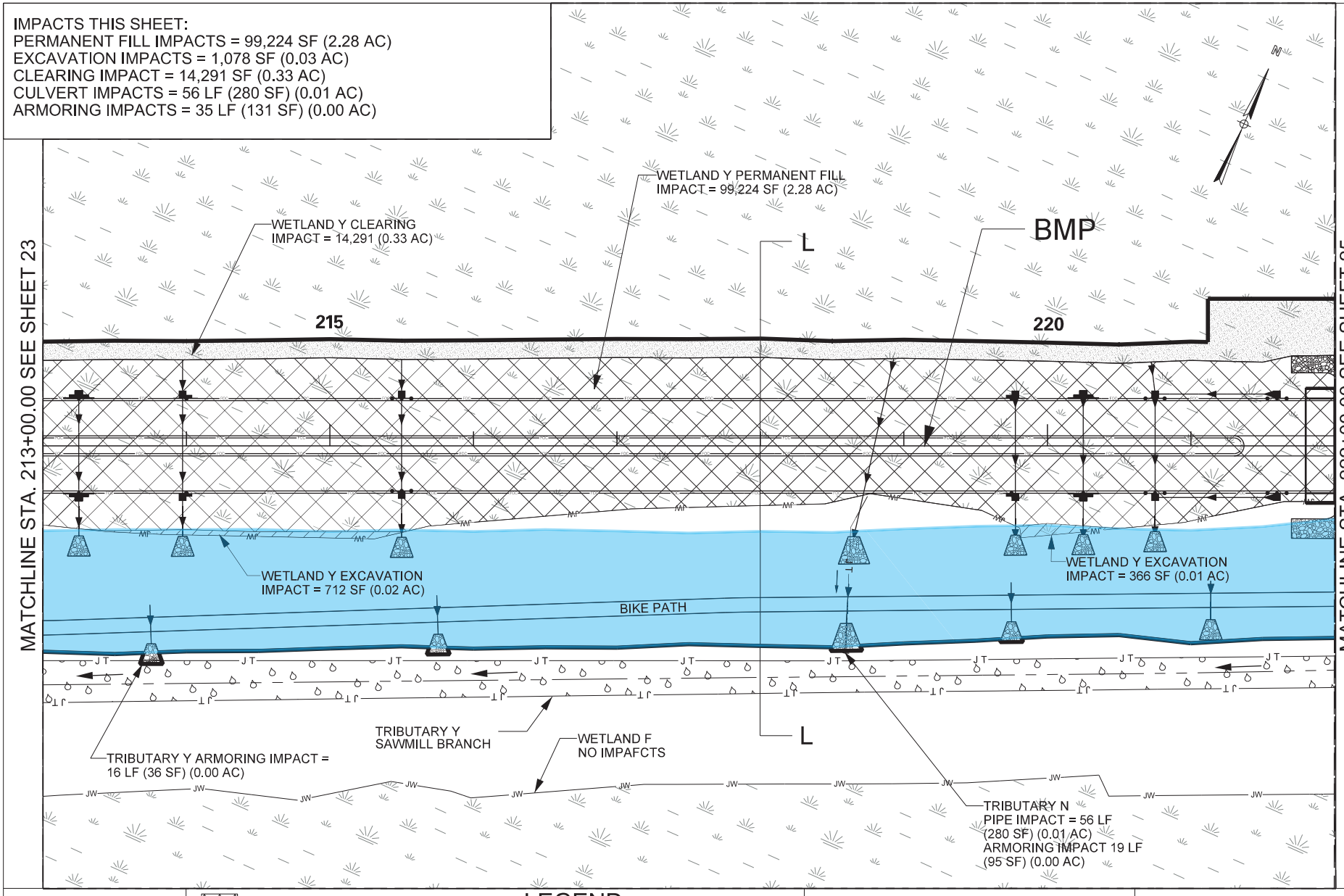
IMPACTS THIS SHEET:
PERMANENT FILL IMPACTS = 99,224 SF (2.28 AC)
EXCAVATION IMPACTS = 1,078 SF (0.03 AC)
CLEARING IMPACT = 14,291 SF (0.33 AC)
CULVERT IMPACTS = 56 LF (280 SF) (0.01 AC)
ARMORING IMPACTS = 35 LF (131 SF) (0.00 AC)



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LEGEND

- PERMANENT FILL IMPACT
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- CLEARING IMPACT
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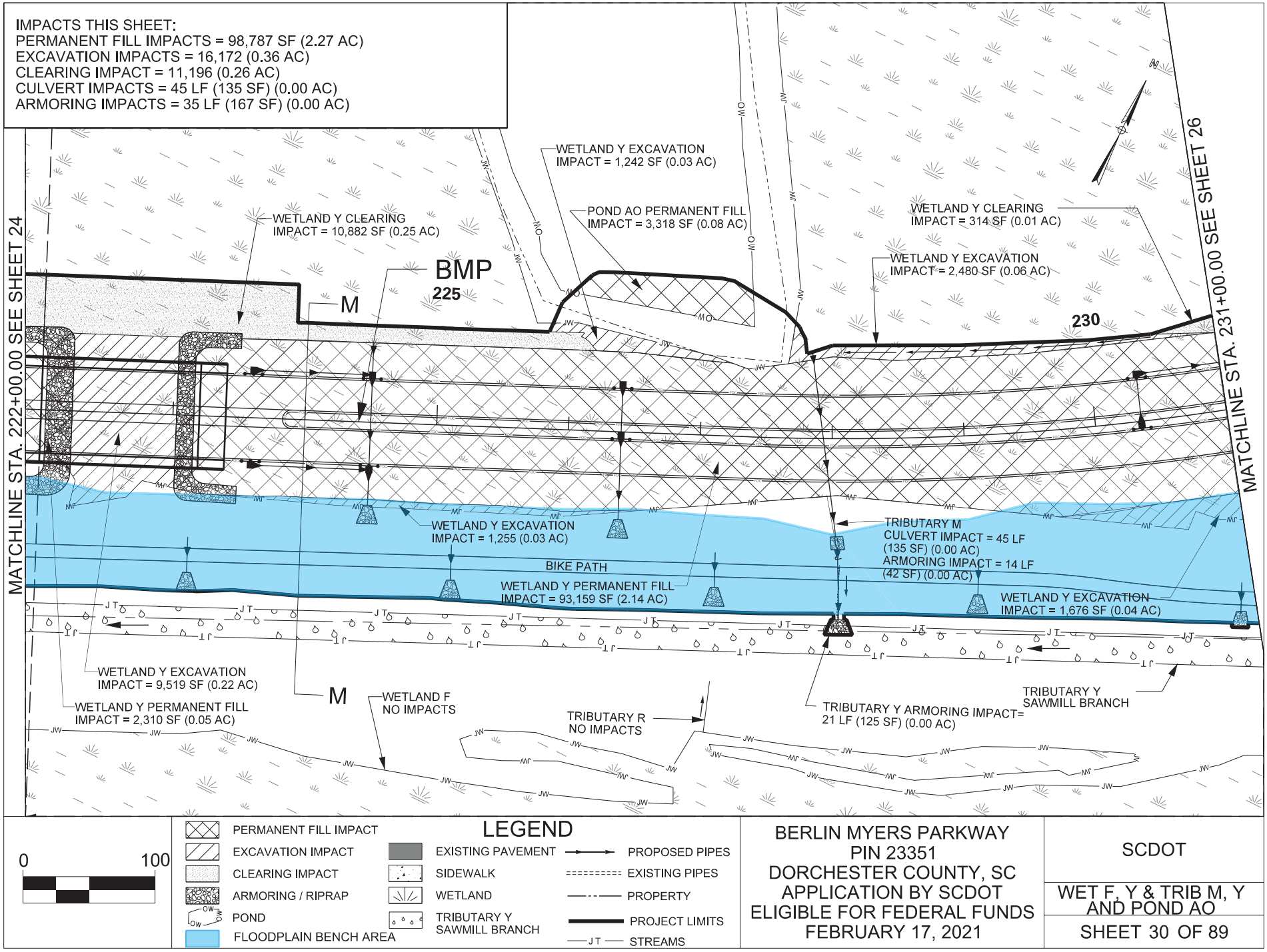
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021

SCDOT

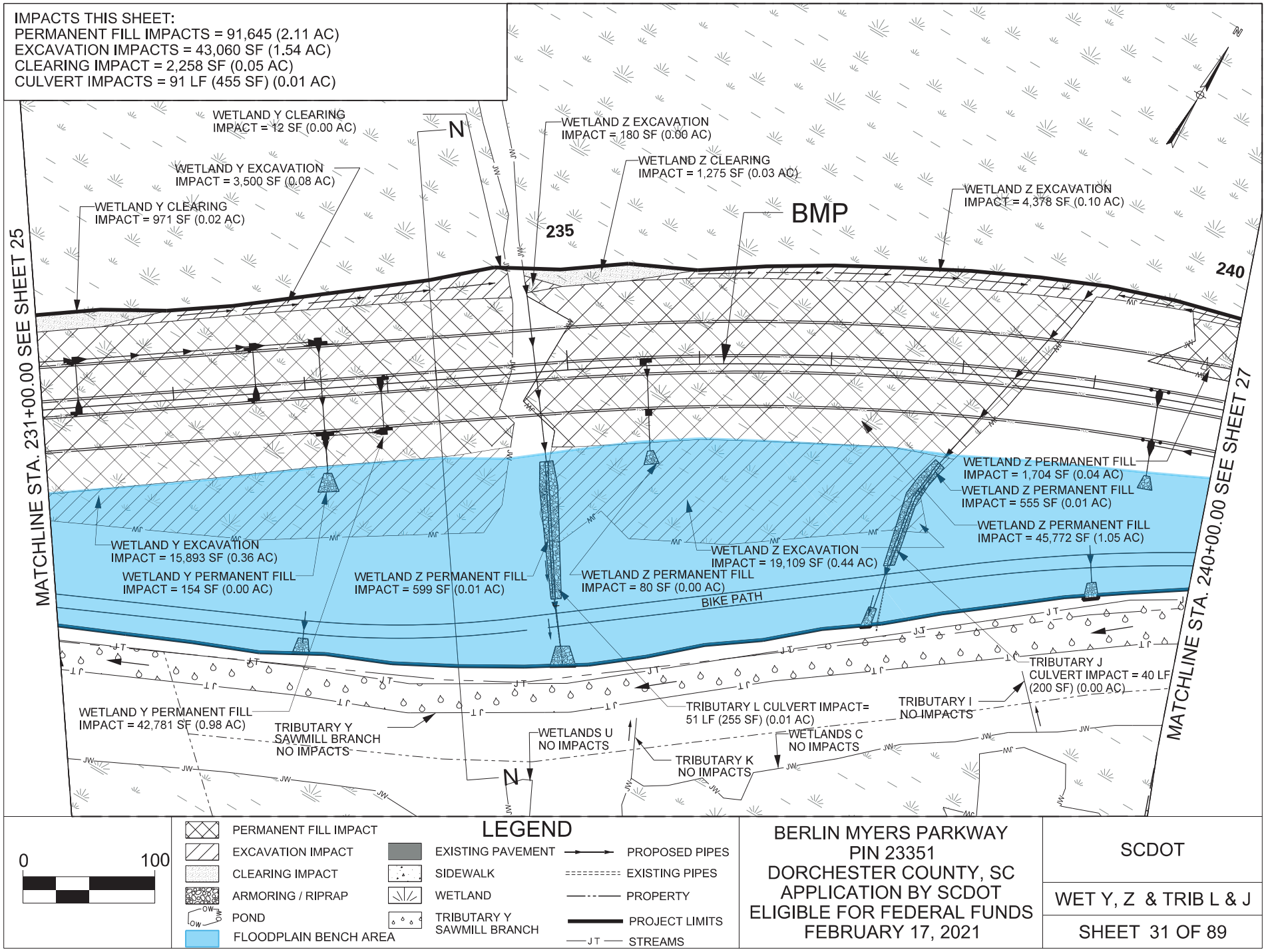
WET Y & TRIB N, Y



BERLIN MYERS PARKWAY
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021

SCDOT

WET F, Y & TRIB M, Y AND POND AO


IMPACTS THIS SHEET:
PERMANENT FILL IMPACTS = 91,645 (2.11 AC)
EXCAVATION IMPACTS = 43,060 SF (1.54 AC)
CLEARING IMPACT = 2,258 SF (0.05 AC)
CULVERT IMPACTS = 91 LF (455 SF) (0.01 AC)
WETLAND Y CLEARING IMPACT = 12 SF (0.00 AC)
WETLAND Y EXCAVATION IMPACT = 3,500 SF (0.08 AC)
WETLAND Y CLEARING IMPACT = 971 SF (0.02 AC)
WETLAND Z EXCAVATION IMPACT = 180 SF (0.00 AC)
WETLAND Z CLEARING IMPACT = 1,275 SF (0.03 AC)
WETLAND Z EXCAVATION IMPACT = 4,378 SF (0.10 AC)
BMP
235
240
MATCHLINE STA. 231+00.00 SEE SHEET 25
MATCHLINE STA. 240+00.00 SEE SHEET 27
WETLAND Z PERMANENT FILL IMPACT = 1,704 SF (0.04 AC)
WETLAND Z PERMANENT FILL IMPACT = 555 SF (0.01 AC)
WETLAND Z PERMANENT FILL IMPACT = 45,772 SF (1.05 AC)
WETLAND Y EXCAVATION IMPACT = 15,893 SF (0.36 AC)
WETLAND Y PERMANENT FILL IMPACT = 154 SF (0.00 AC)
WETLAND Z PERMANENT FILL IMPACT = 599 SF (0.01 AC)
WETLAND Z EXCAVATION IMPACT = 19,109 SF (0.44 AC)
WETLAND Z PERMANENT FILL IMPACT = 80 SF (0.00 AC)
BIKE PATH
TRIBUTARY J CULVERT IMPACT = 40 LF (200 SF) (0.00 AC)
WETLAND Y PERMANENT FILL IMPACT = 42,781 SF (0.98 AC)
TRIBUTARY Y SAWMILL BRANCH NO IMPACTS
TRIBUTARY L CULVERT IMPACT= 51 LF (255 SF) (0.01 AC)
TRIBUTARY I NO IMPACTS
WETLANDS U NO IMPACTS
WETLANDS C NO IMPACTS
TRIBUTARY K NO IMPACTS
N
0
100
LEGEND
PERMANENT FILL IMPACT
EXCAVATION IMPACT
CLEARING IMPACT
ARMORING / RIPRAP
POND
FLOODPLAIN BENCH AREA
EXISTING PAVEMENT
SIDEWALK
WETLAND
TRIBUTARY Y SAWMILL BRANCH
PROPOSED PIPES
EXISTING PIPES
PROPERTY
PROJECT LIMITS
STREAMS
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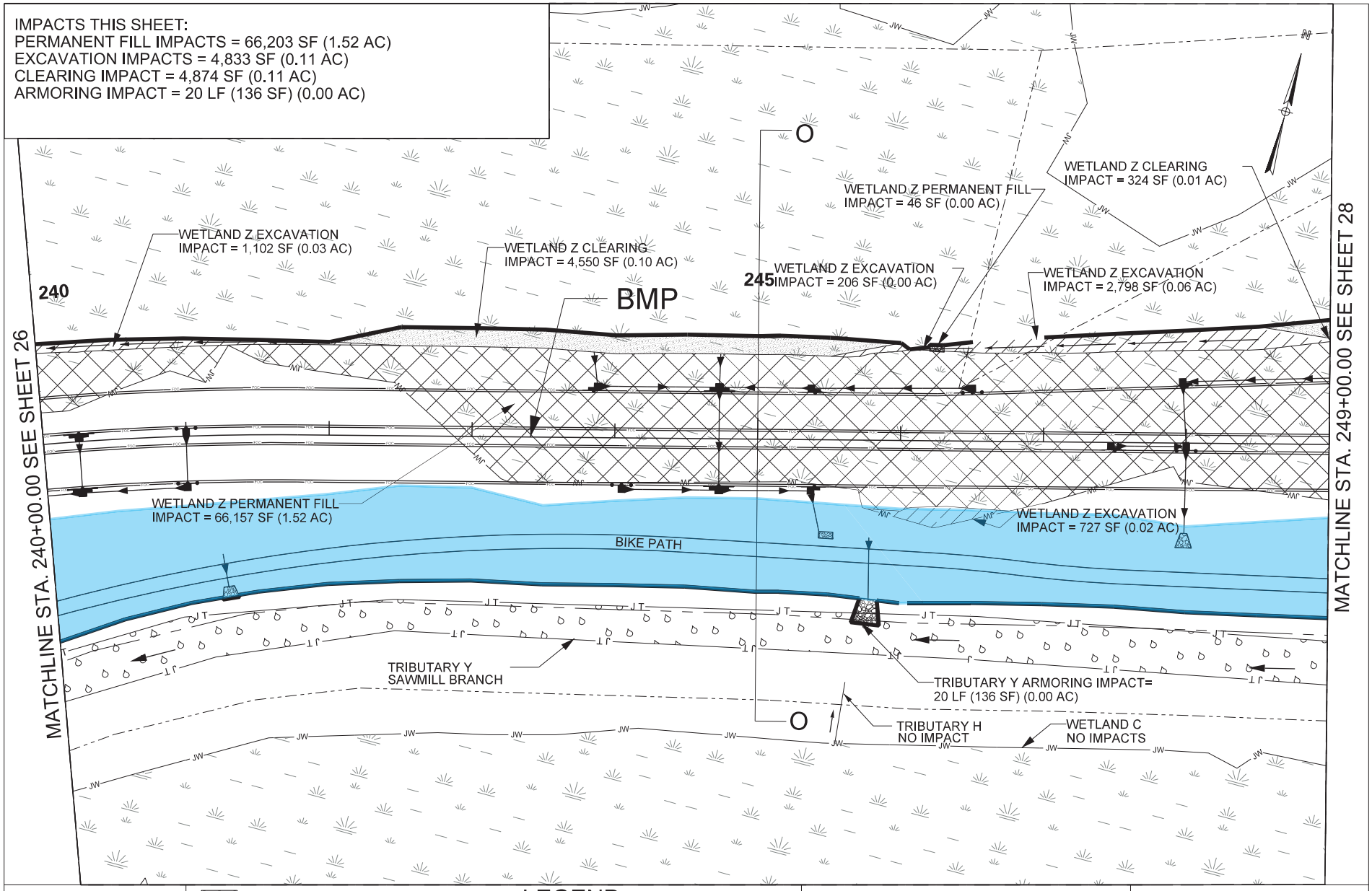
SCDOT
WET Y, Z & TRIB L & J
SHEET 31 OF 89



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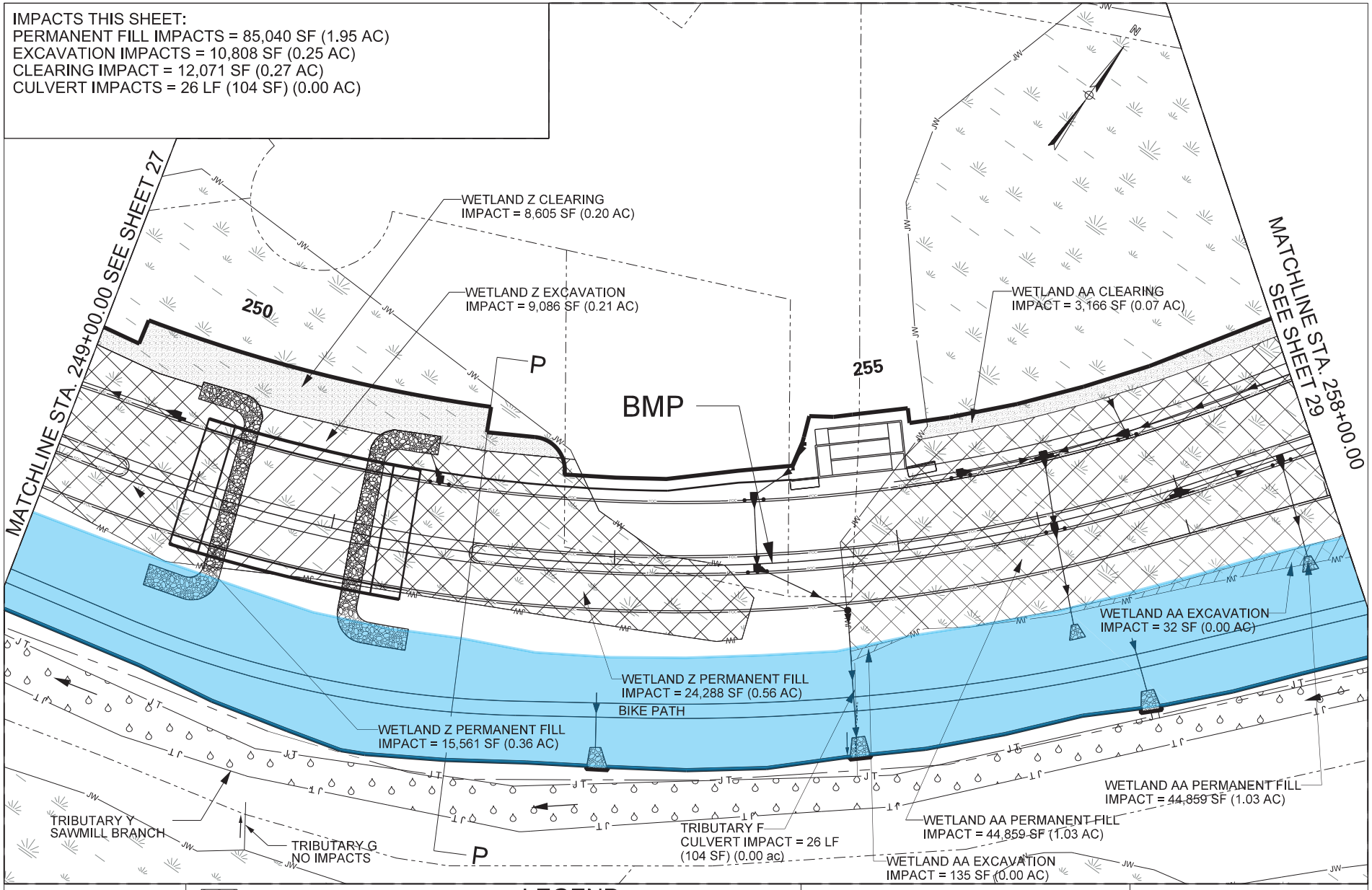
SCDOT

WET Z & TRIB Y



BERLIN MYERS PARKWAY
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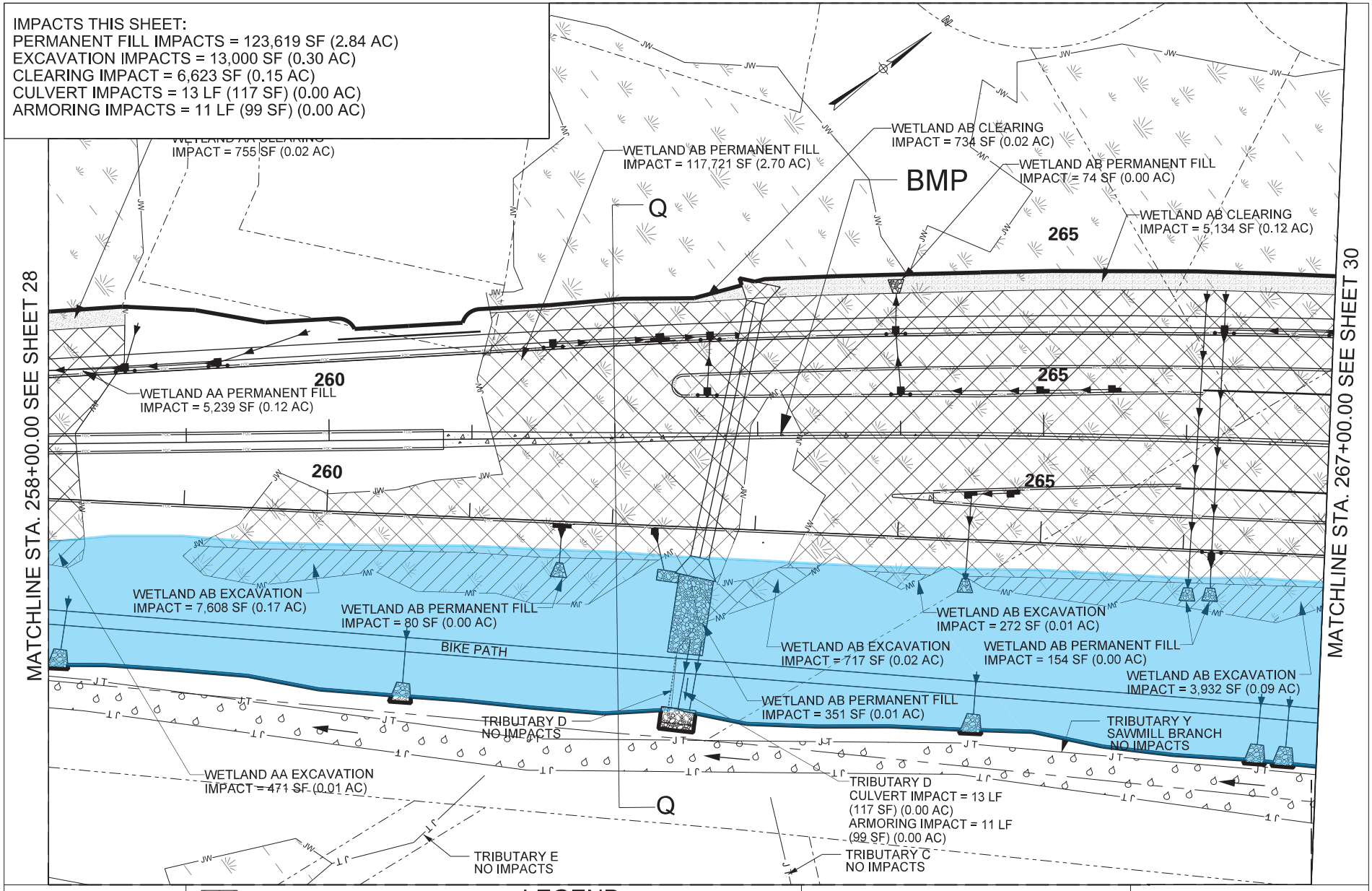
SCDOT

WET AA, Z & TRIB F

SHEET 33 OF 89


IMPACTS THIS SHEET:
PERMANENT FILL IMPACTS = 123,619 SF (2.84 AC)
EXCAVATION IMPACTS = 13,000 SF (0.30 AC)
CLEARING IMPACT = 6,623 SF (0.15 AC)
CULVERT IMPACTS = 13 LF (117 SF) (0.00 AC)
ARMORING IMPACTS = 11 LF (99 SF) (0.00 AC)
MATCHLINE STA. 258+00.00 SEE SHEET 28
MATCHLINE STA. 267+00.00 SEE SHEET 30
WETLAND AA CLEARING IMPACT = 755 SF (0.02 AC)
WETLAND AB PERMANENT FILL IMPACT = 117,721 SF (2.70 AC)
WETLAND AB CLEARING IMPACT = 734 SF (0.02 AC)
WETLAND AB PERMANENT FILL IMPACT = 74 SF (0.00 AC)
WETLAND AB CLEARING IMPACT = 5,134 SF (0.12 AC)
BMP
Q
260
265
WETLAND AA PERMANENT FILL IMPACT = 5,239 SF (0.12 AC)
WETLAND AB EXCAVATION IMPACT = 7,608 SF (0.17 AC)
WETLAND AB PERMANENT FILL IMPACT = 80 SF (0.00 AC)
BIKE PATH
WETLAND AB EXCAVATION IMPACT = 272 SF (0.01 AC)
WETLAND AB EXCAVATION IMPACT = 717 SF (0.02 AC)
WETLAND AB PERMANENT FILL IMPACT = 154 SF (0.00 AC)
WETLAND AB EXCAVATION IMPACT = 3,932 SF (0.09 AC)
WETLAND AB PERMANENT FILL IMPACT = 351 SF (0.01 AC)
TRIBUTARY D NO IMPACTS
TRIBUTARY Y SAWMILL BRANCH NO IMPACTS
WETLAND AA EXCAVATION IMPACT = 471 SF (0.01 AC)
TRIBUTARY D CULVERT IMPACT = 13 LF (117 SF) (0.00 AC) ARMORING IMPACT = 11 LF (99 SF) (0.00 AC)
TRIBUTARY E NO IMPACTS
TRIBUTARY C NO IMPACTS
0
100
LEGEND
PERMANENT FILL IMPACT
EXCAVATION IMPACT
CLEARING IMPACT
ARMORING / RIPRAP
POND
FLOODPLAIN BENCH AREA
EXISTING PAVEMENT
SIDEWALK
WETLAND
TRIBUTARY Y SAWMILL BRANCH
PROPOSED PIPES
EXISTING PIPES
PROPERTY
PROJECT LIMITS
STREAMS
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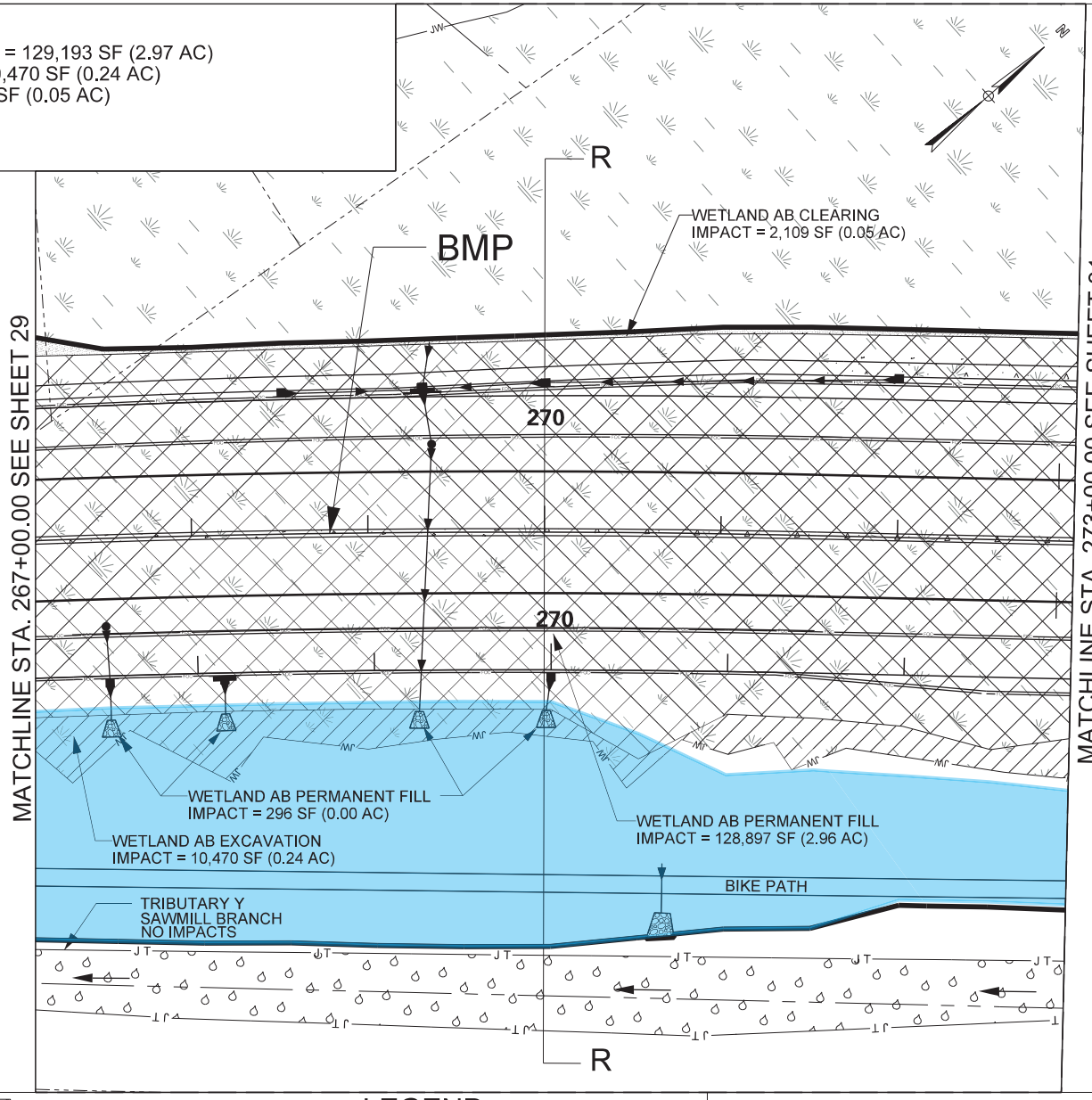
SCDOT
WET AA, AB, B & TRIB D
SHEET 34 OF 89

IMPACTS THIS SHEET:
PERMANENT FILL IMPACTS = 129,193 SF (2.97 AC)
EXCAVATION IMPACTS = 10,470 SF (0.24 AC)
CLEARING IMPACT = 2,109 SF (0.05 AC)



0 100

LEGEND

- PERMANENT FILL IMPACT
- EXCAVATION IMPACT
- CLEARING IMPACT
- ARMORING / RIPRAP
- POND
- FLOODPLAIN BENCH AREA
- EXISTING PAVEMENT
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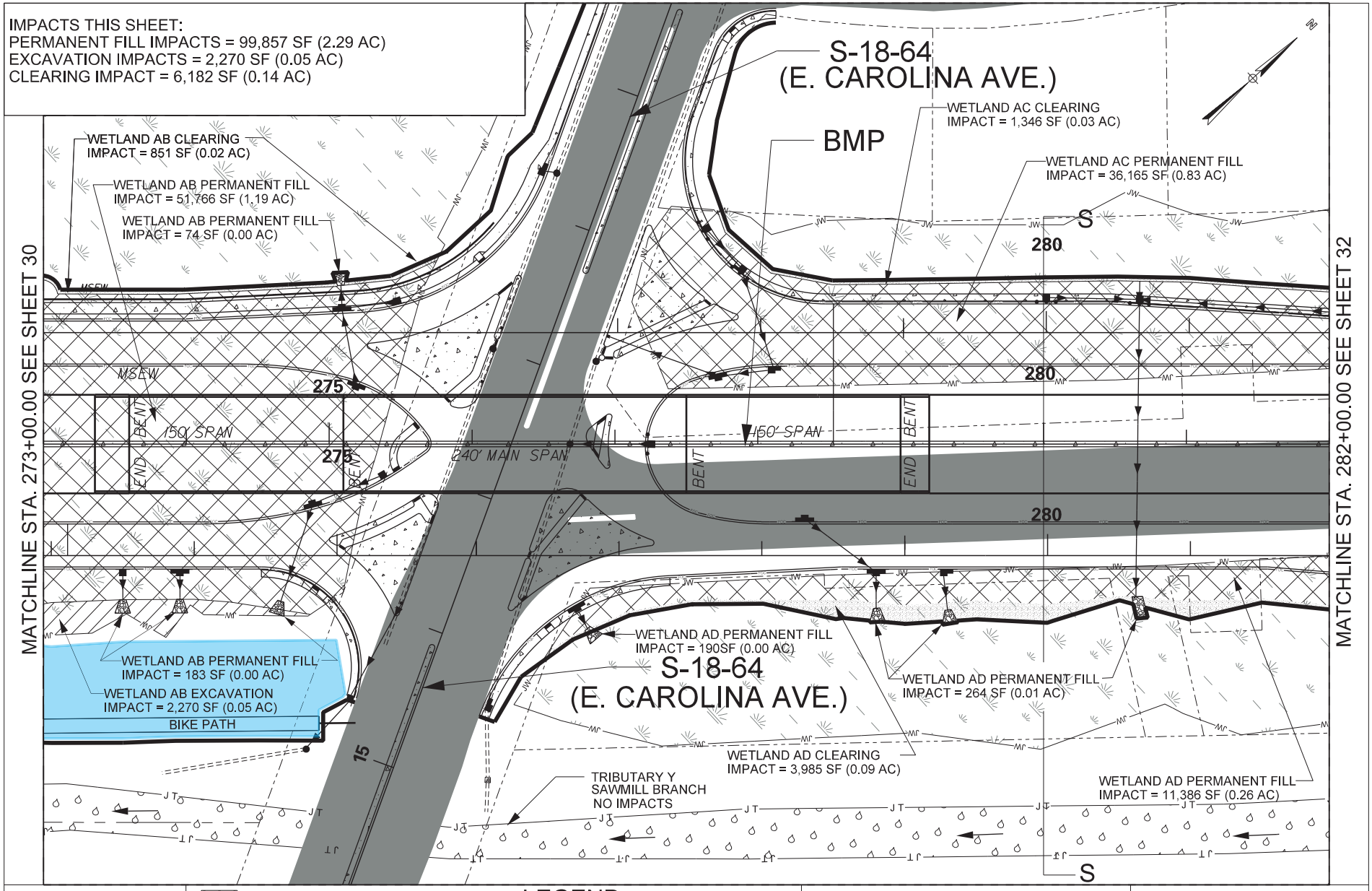
WET AB



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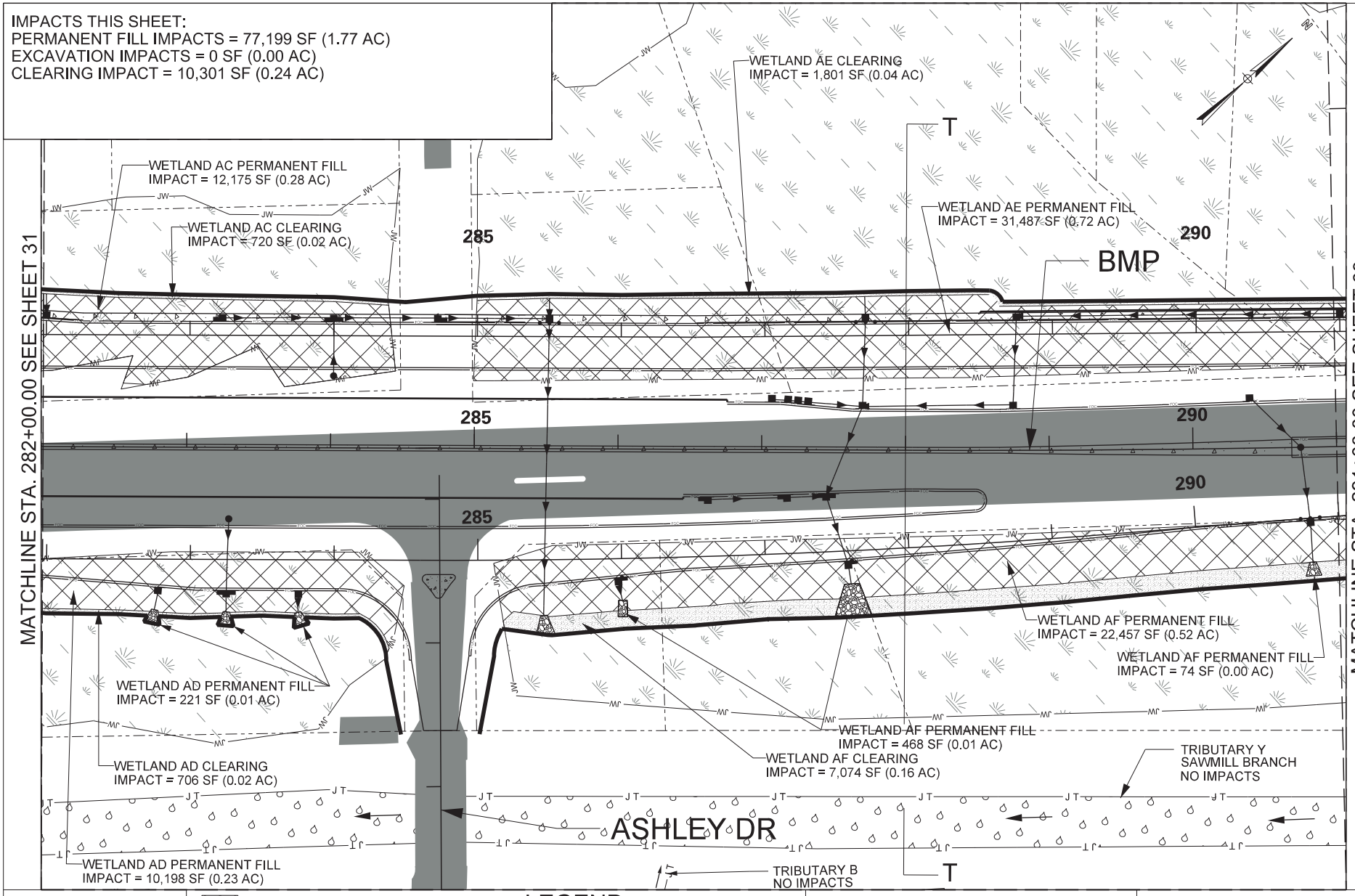
SCDOT

WET AB, AC, AD

SHEET 36 OF 89

IMPACTS THIS SHEET:
PERMANENT FILL IMPACTS = 77,199 SF (1.77 AC)
EXCAVATION IMPACTS = 0 SF (0.00 AC)
CLEARING IMPACT = 10,301 SF (0.24 AC)



0 100

LEGEND

- PERMANENT FILL IMPACT
- EXCAVATION IMPACT
- CLEARING IMPACT
- ARMORING / RIPRAP
- POND
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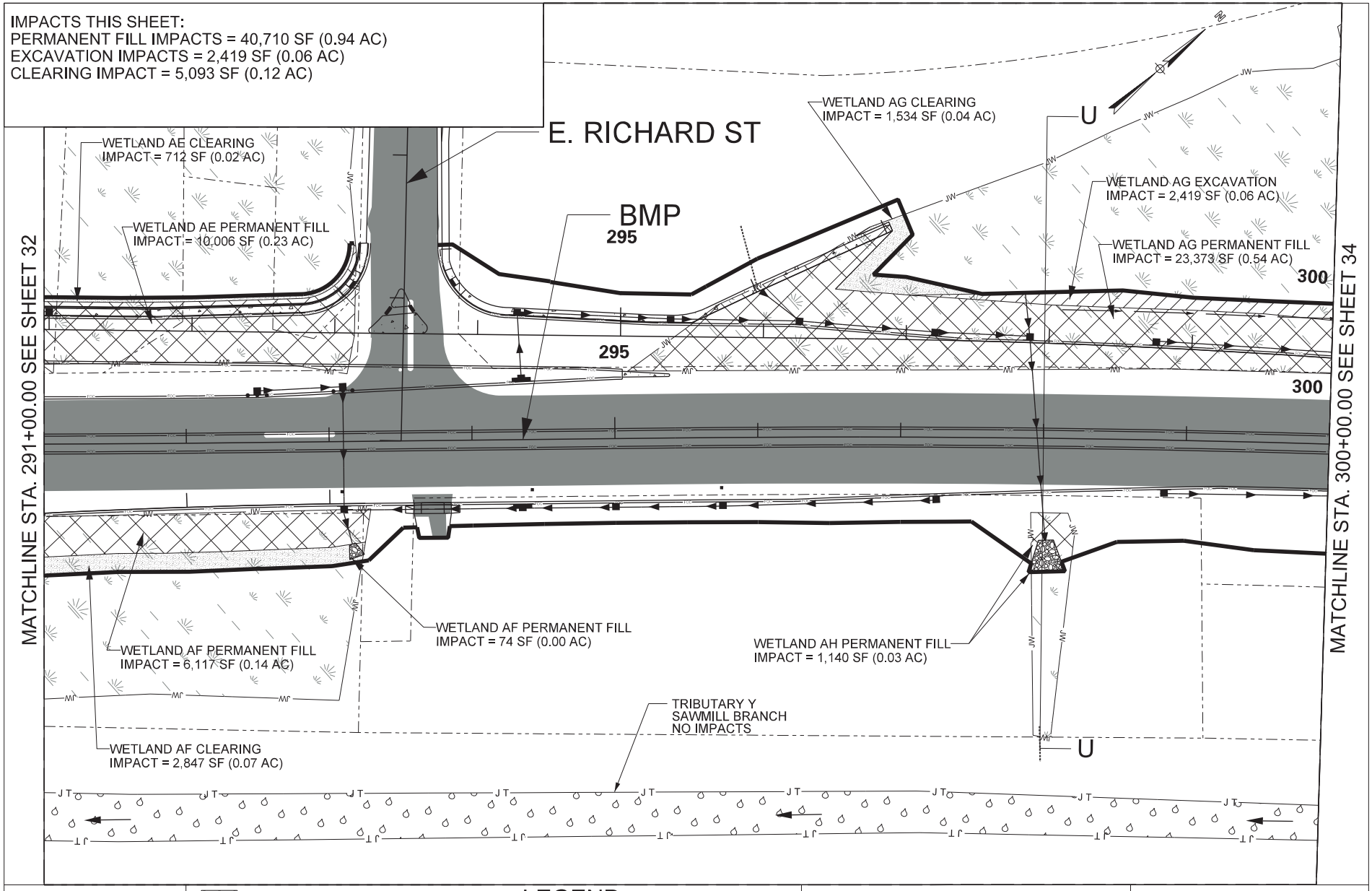
WET AC, AD, AE, AF



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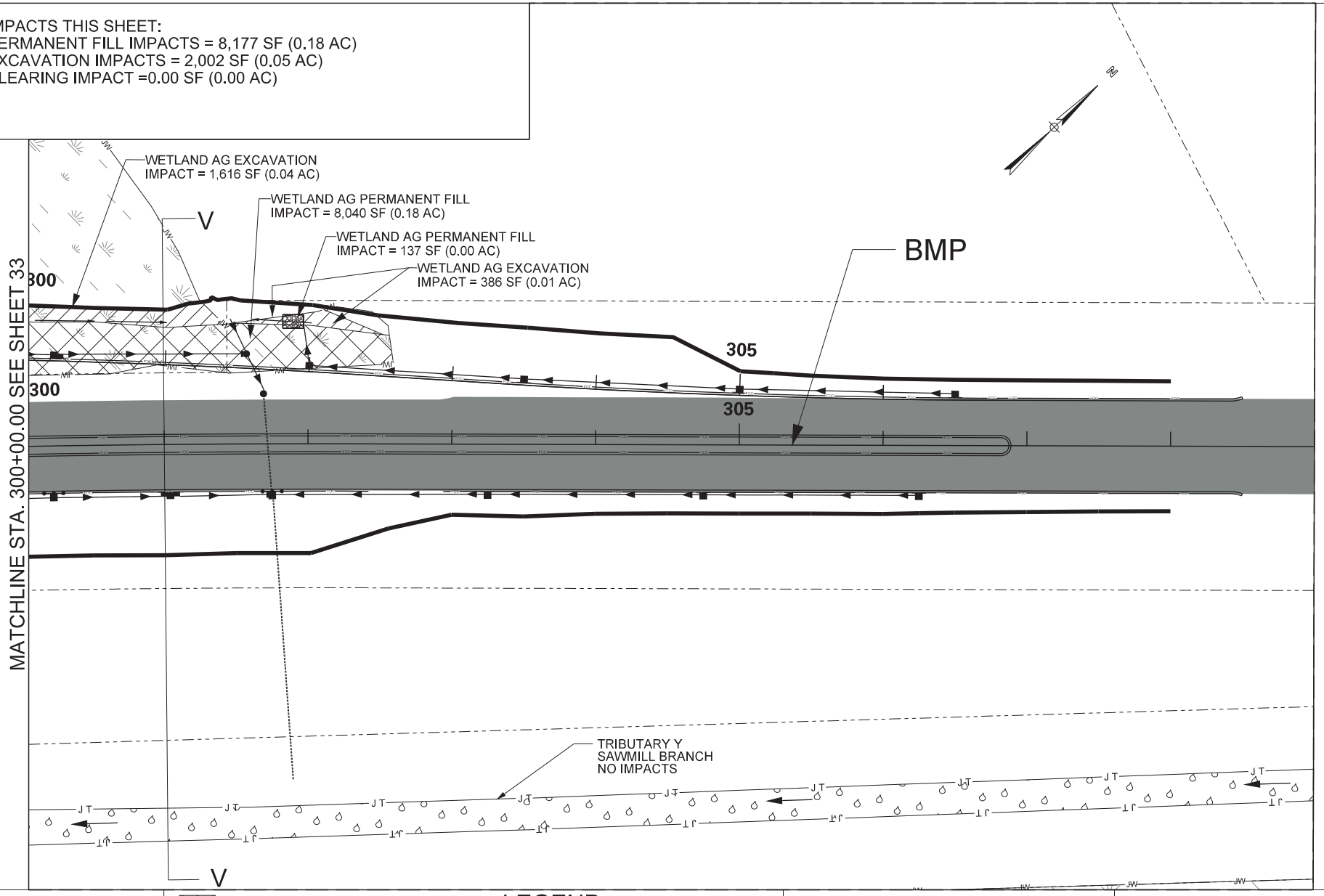
SCDOT

WET AE, AF, AG, AH

SHEET 38 OF 89

IMPACTS THIS SHEET:
PERMANENT FILL IMPACTS = 8,177 SF (0.18 AC)
EXCAVATION IMPACTS = 2,002 SF (0.05 AC)
CLEARING IMPACT =0.00 SF (0.00 AC)



0 100

LEGEND

- PERMANENT FILL IMPACT
- EXCAVATION IMPACT
- CLEARING IMPACT
- ARMORING / RIPRAP
- POND
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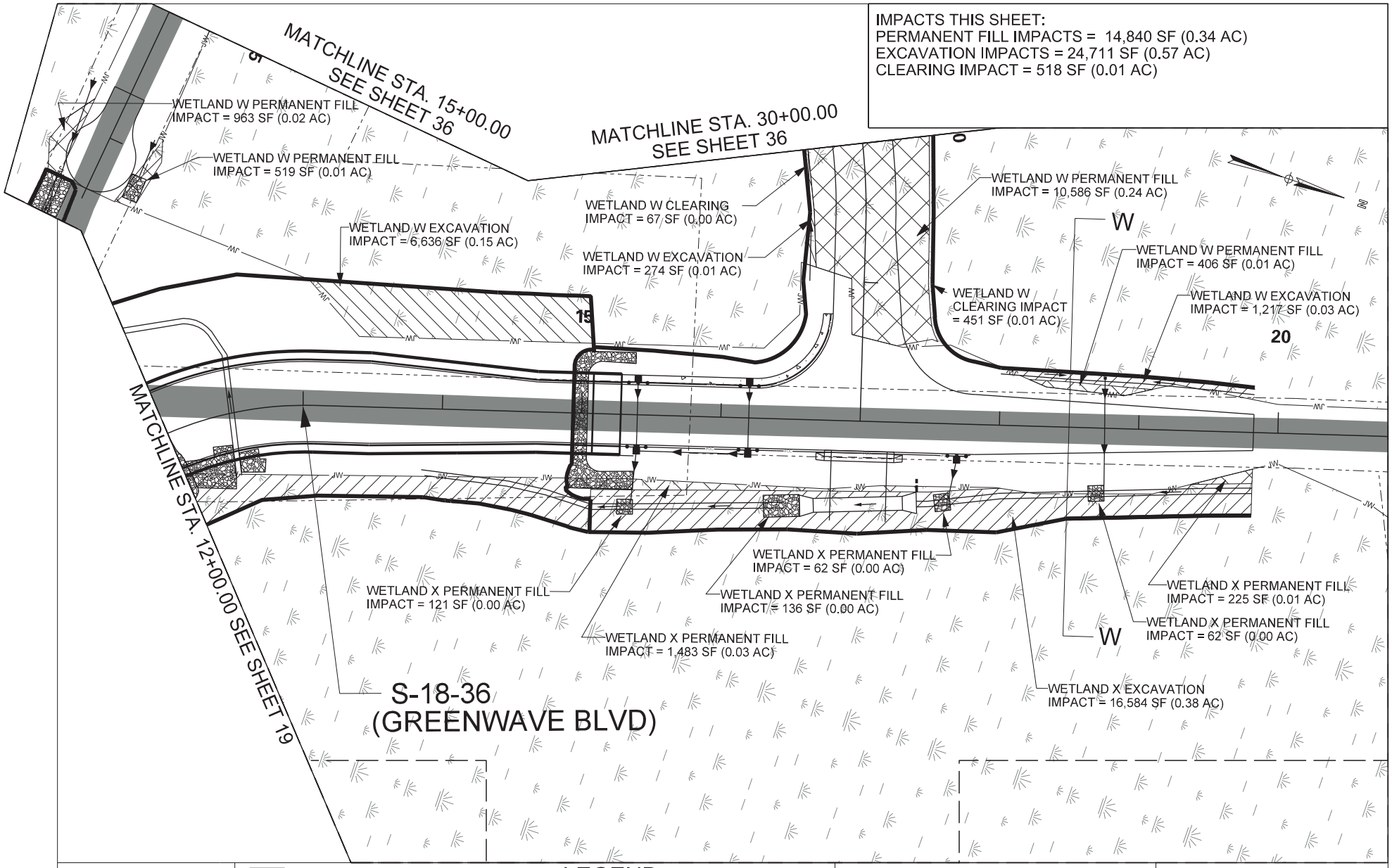
SCDOT

WET AG

SHEET 39 OF 89



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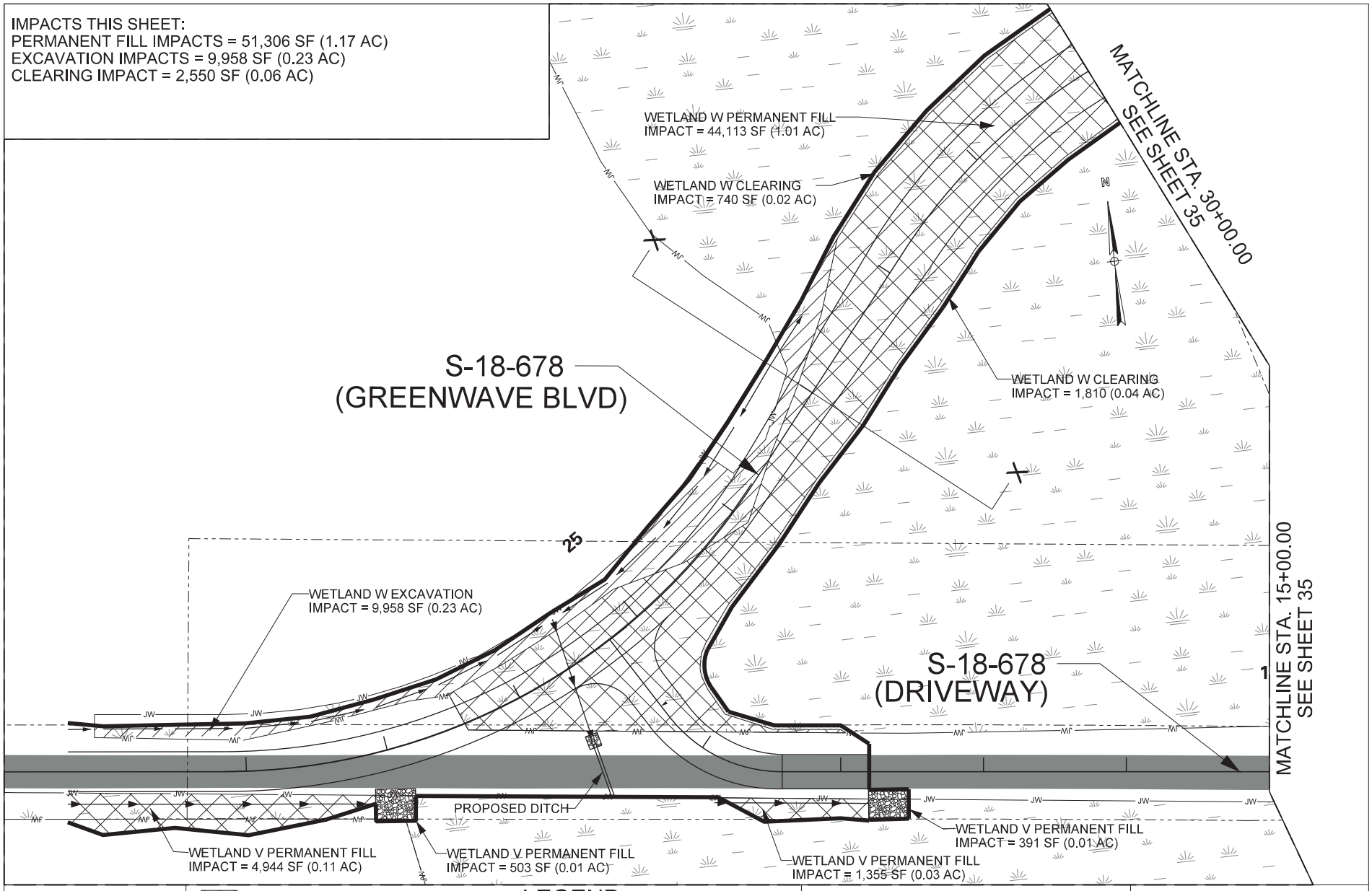
SCDOT

WET W, X

SHEET 40 OF 89

IMPACTS THIS SHEET:
PERMANENT FILL IMPACTS = 51,306 SF (1.17 AC)
EXCAVATION IMPACTS = 9,958 SF (0.23 AC)
CLEARING IMPACT = 2,550 SF (0.06 AC)



0 100

LEGEND

- PERMANENT FILL IMPACT
- EXCAVATION IMPACT
- CLEARING IMPACT
- ARMORING / RIPRAP
- POND
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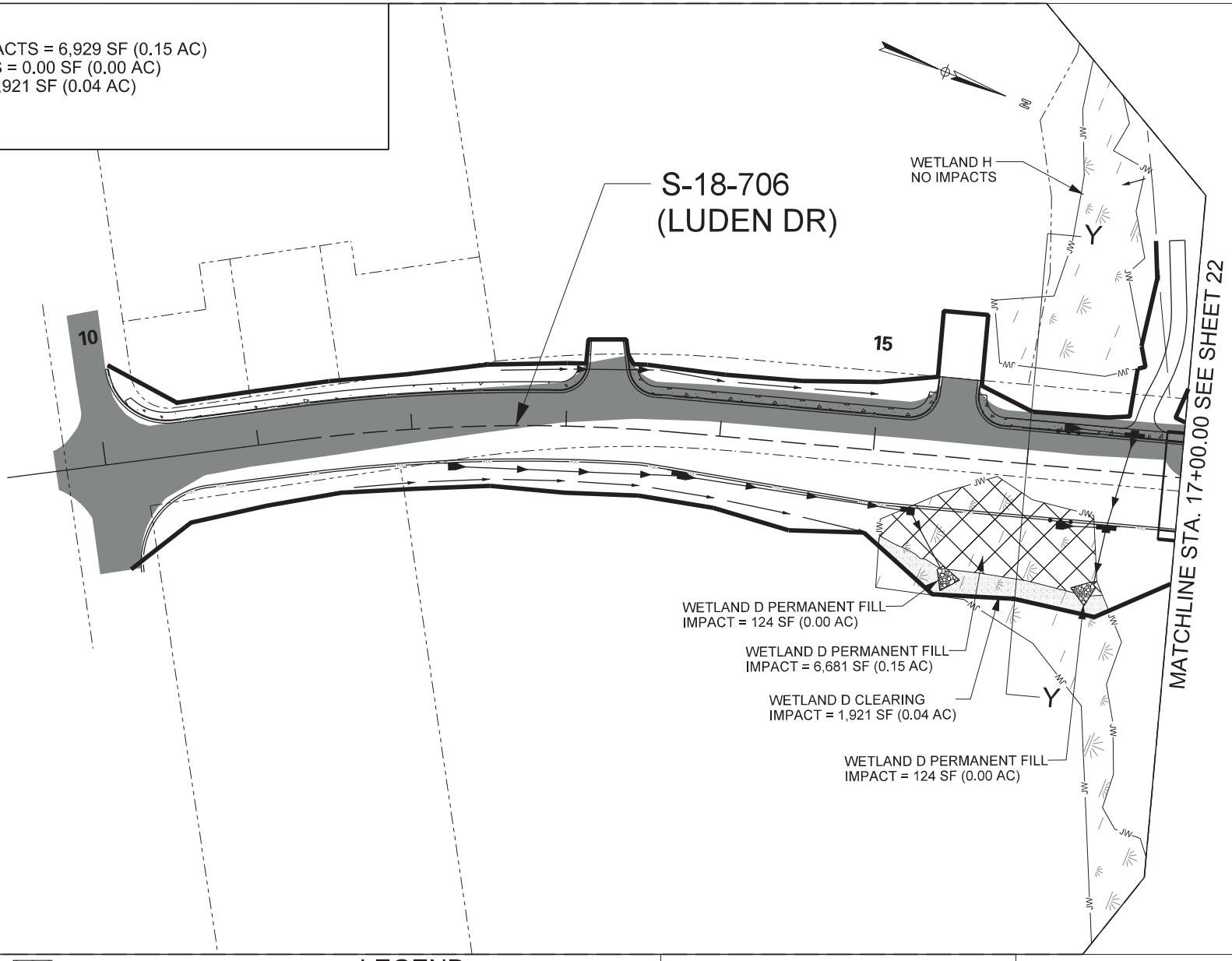
WET V, W

SHEET 41 OF 89

IMPACTS THIS SHEET:
PERMANENT FILL IMPACTS = 6,929 SF (0.15 AC)
EXCAVATION IMPACTS = 0.00 SF (0.00 AC)
CLEARING IMPACT = 1,921 SF (0.04 AC)



0 100

LEGEND

- PERMANENT FILL IMPACT
- EXCAVATION IMPACT
- CLEARING IMPACT
- ARMORING / RIPRAP
- POND
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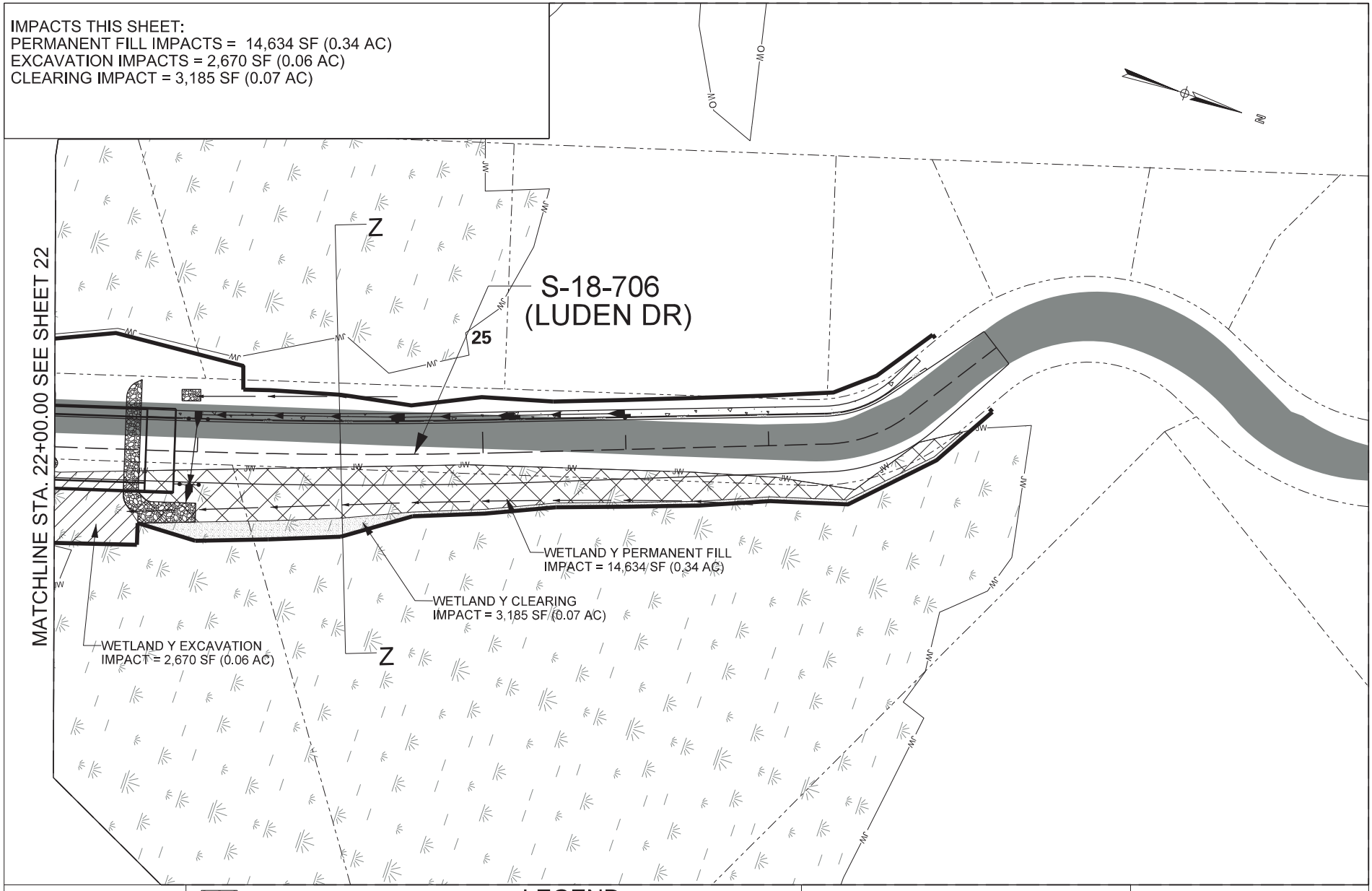
SCDOT

WET D, H

IMPACTS THIS SHEET:
PERMANENT FILL IMPACTS = 14,634 SF (0.34 AC)
EXCAVATION IMPACTS = 2,670 SF (0.06 AC)
CLEARING IMPACT = 3,185 SF (0.07 AC)



0 100

LEGEND

- PERMANENT FILL IMPACT
- EXCAVATION IMPACT
- CLEARING IMPACT
- ARMORING / RIPRAP
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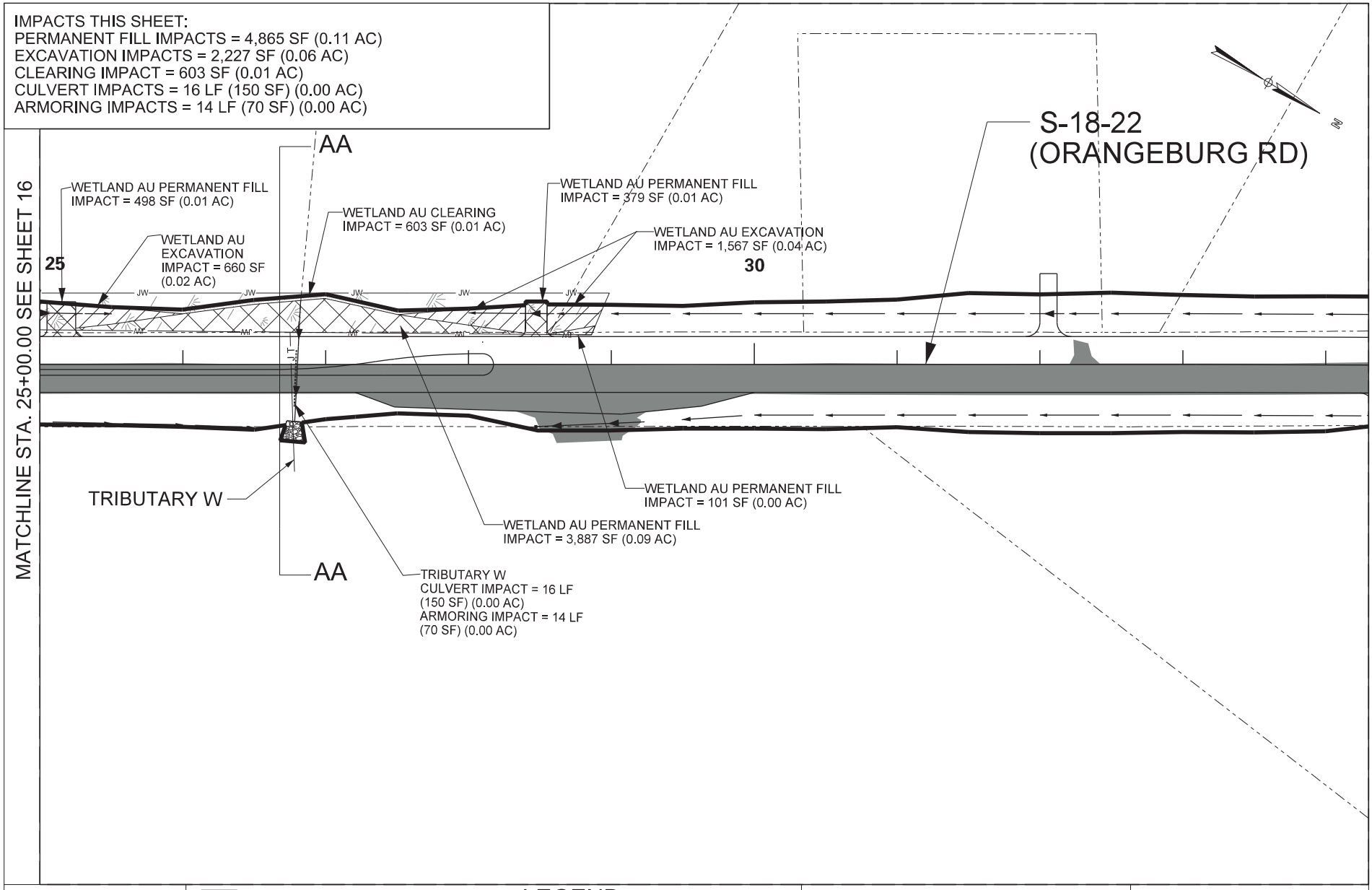
SCDOT

WET Y

SHEET 43 OF 89

IMPACTS THIS SHEET:
PERMANENT FILL IMPACTS = 4,865 SF (0.11 AC)
EXCAVATION IMPACTS = 2,227 SF (0.06 AC)
CLEARING IMPACT = 603 SF (0.01 AC)
CULVERT IMPACTS = 16 LF (150 SF) (0.00 AC)
ARMORING IMPACTS = 14 LF (70 SF) (0.00 AC)



0 100

LEGEND

- PERMANENT FILL IMPACT
- EXCAVATION IMPACT
- CLEARING IMPACT
- ARMORING / RIPRAP
- POND
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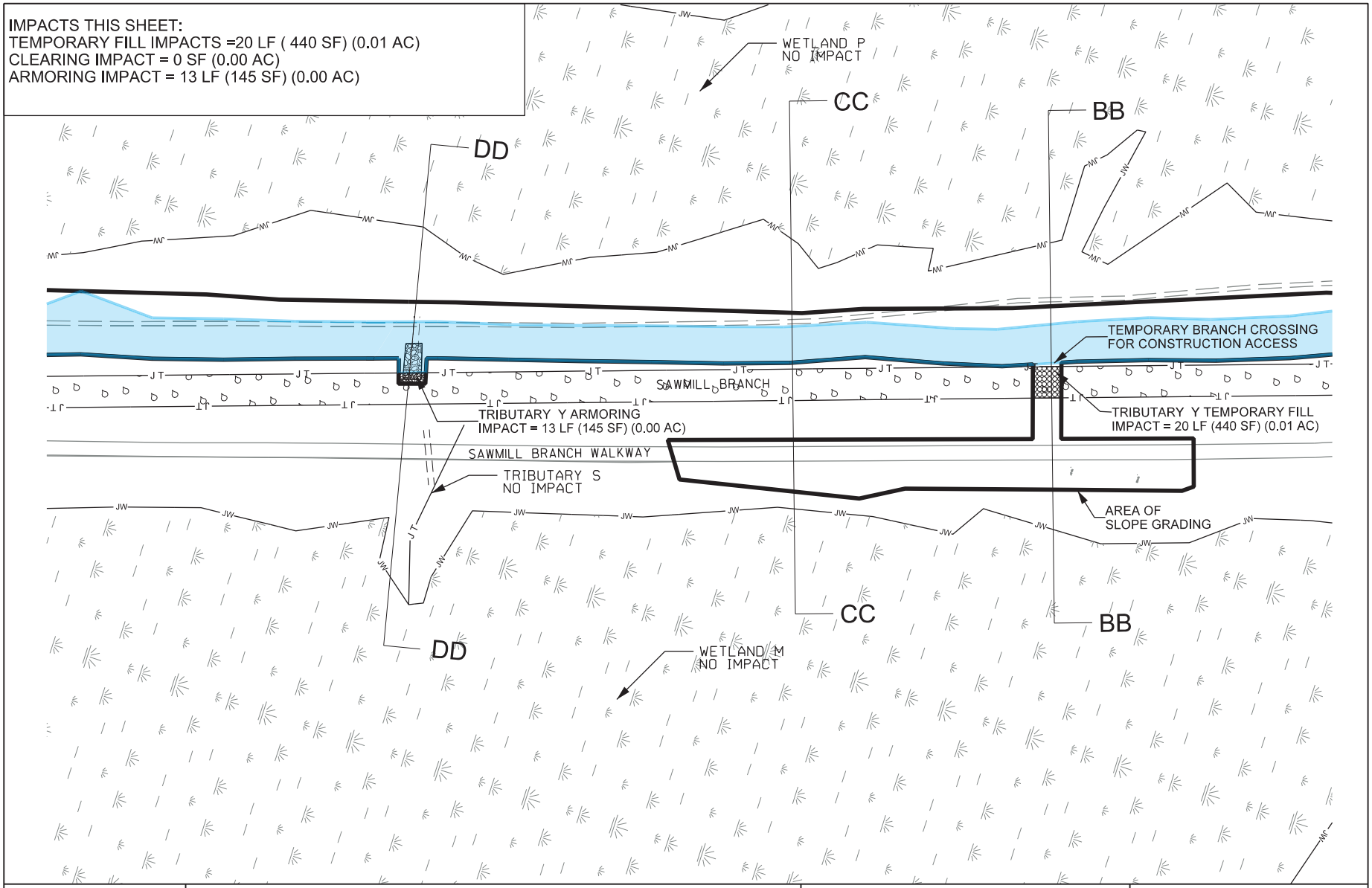
SCDOT

WET AU & TRIB W


IMPACTS THIS SHEET:
TEMPORARY FILL IMPACTS =20 LF (440 SF) (0.01 AC)
CLEARING IMPACT = 0 SF (0.00 AC)
ARMORING IMPACT = 13 LF (145 SF) (0.00 AC)
WETLAND P
NO IMPACT
CC
BB
DD
TEMPORARY BRANCH CROSSING
FOR CONSTRUCTION ACCESS
SAWMILL BRANCH
TRIBUTARY Y ARMORING
IMPACT = 13 LF (145 SF) (0.00 AC)
TRIBUTARY Y TEMPORARY FILL
IMPACT = 20 LF (440 SF) (0.01 AC)
SAWMILL BRANCH WALKWAY
TRIBUTARY S
NO IMPACT
AREA OF
SLOPE GRADING
CC
BB
DD
WETLAND M
NO IMPACT
0
100
LEGEND
TEMPORARY FILL IMPACT
EXCAVATION IMPACT
CLEARING IMPACT
ARMORING / RIPRAP
POND
FLOODPLAIN BENCH AREA
EXISTING PAVEMENT
SIDEWALK
WETLAND
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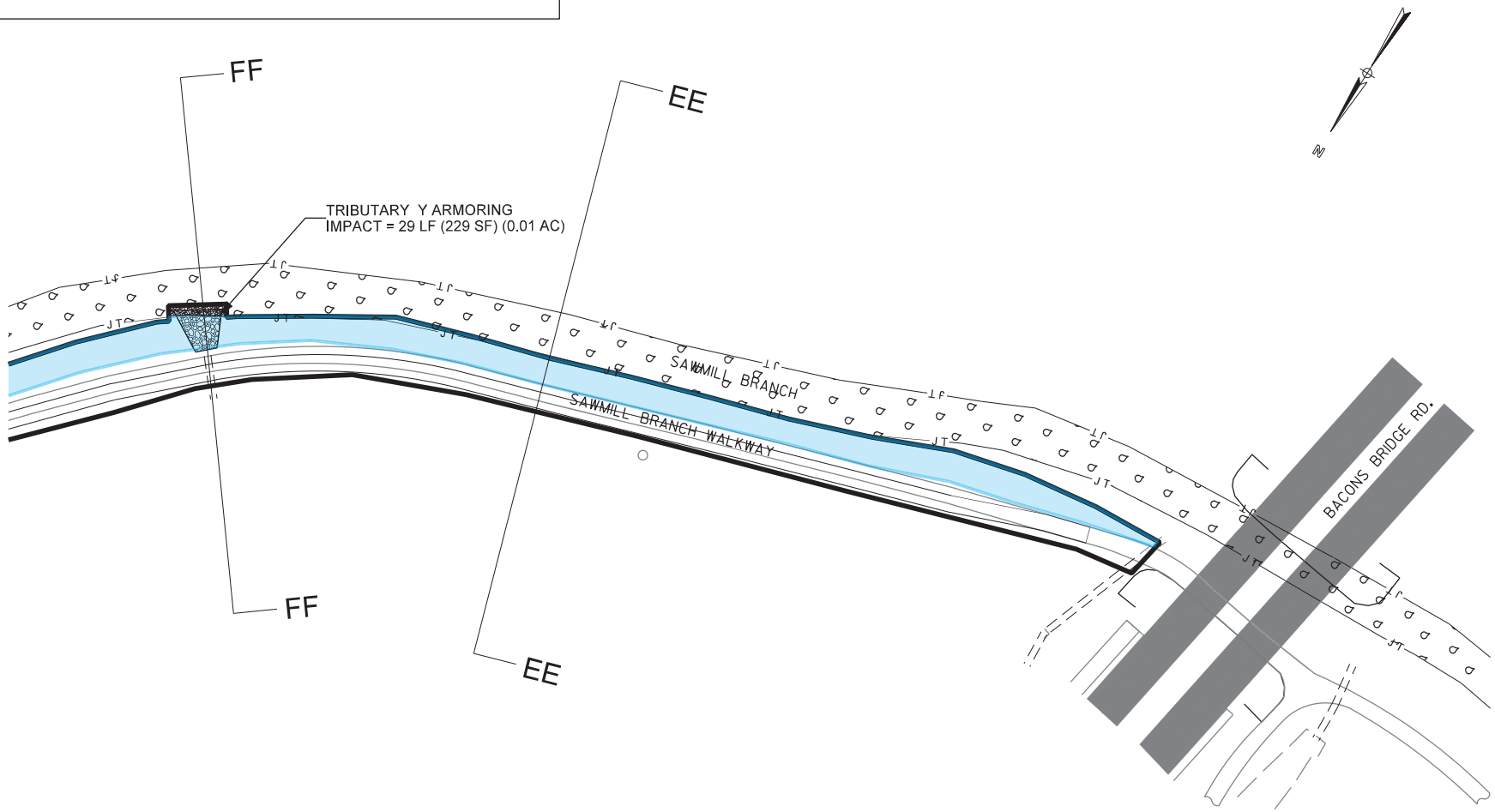
TRIBUTARY Y
SHEET 45 OF 89

IMPACTS THIS SHEET:
TEMPORARY FILL IMPACTS = 0 LF (0 SF) (0.00 AC)
CLEARING IMPACT = 0 SF (0.00 AC)
ARMORING IMPACT = 29 LF (229 SF) (0.01 AC)



0 100

LEGEND

- TEMPORARY FILL IMPACT
- EXCAVATION IMPACT
- CLEARING IMPACT
- ARMORING / RIPRAP
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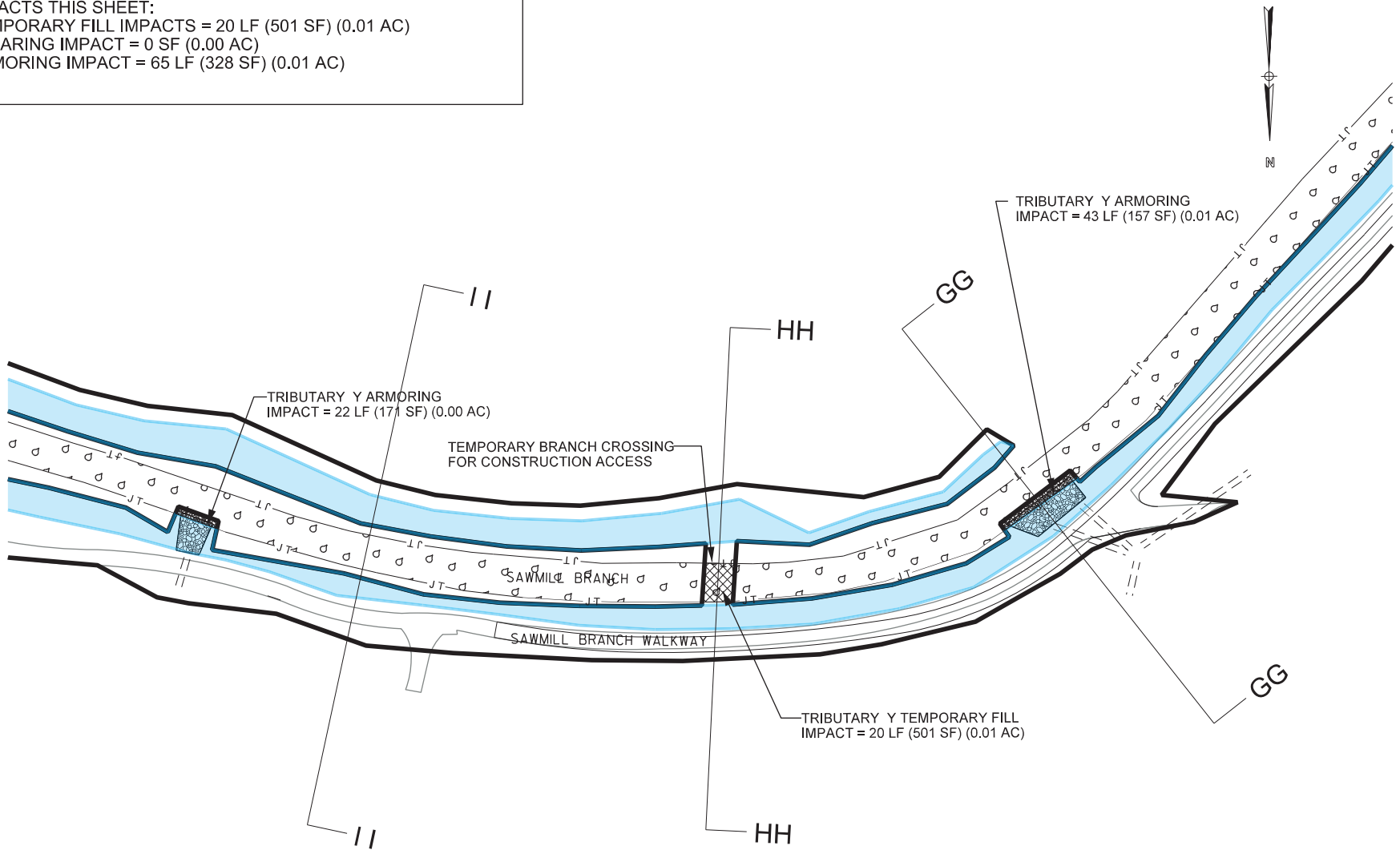
TRIBUTARY Y

SHEET 46 OF 89

IMPACTS THIS SHEET:
TEMPORARY FILL IMPACTS = 20 LF (501 SF) (0.01 AC)
CLEARING IMPACT = 0 SF (0.00 AC)
ARMORING IMPACT = 65 LF (328 SF) (0.01 AC)



0 100

LEGEND

- TEMPORARY FILL IMPACT
- EXCAVATION IMPACT
- CLEARING IMPACT
- ARMORING / RIPRAP
- POND
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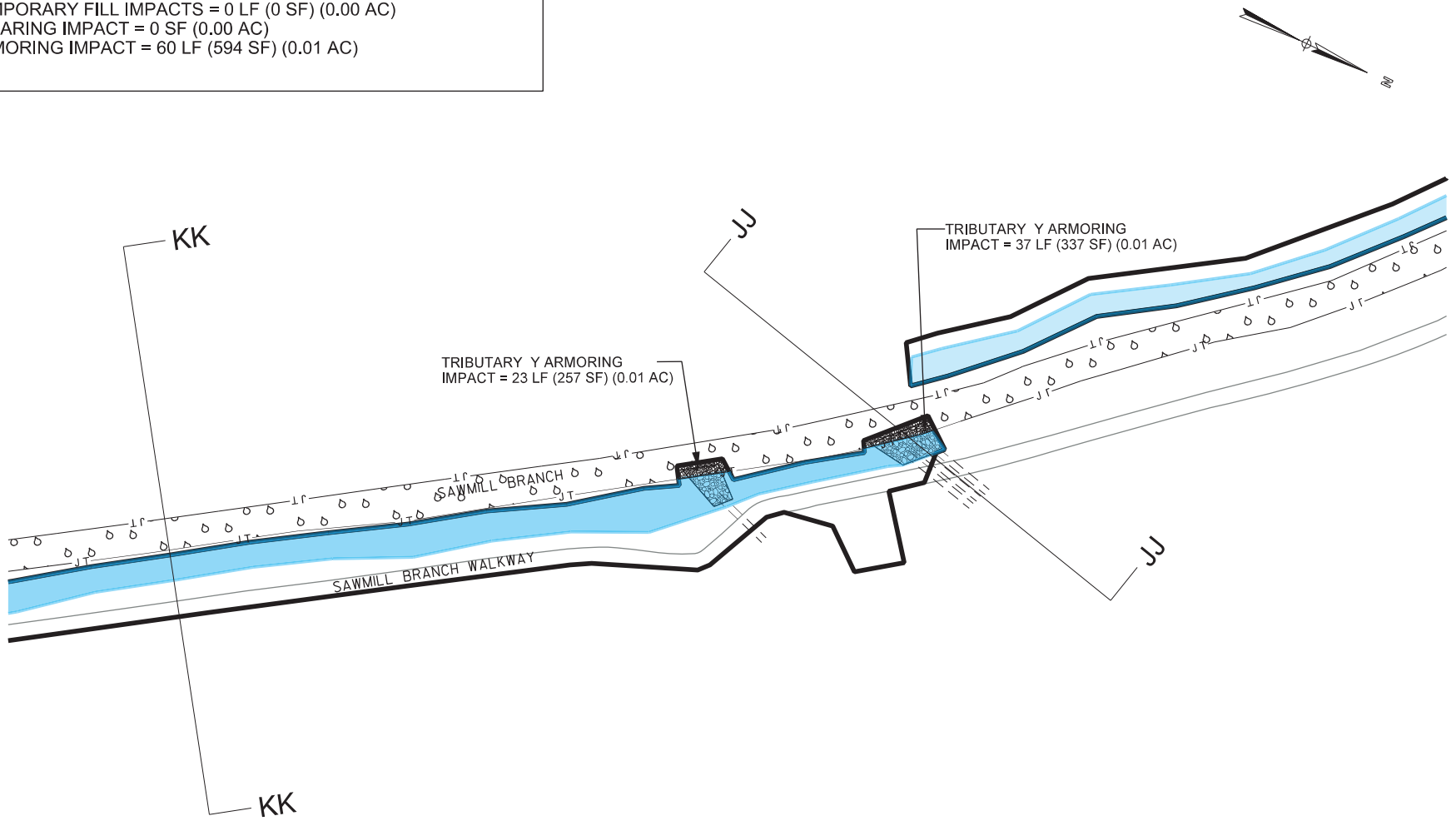
TRIBUTARY Y

IMPACTS THIS SHEET:
TEMPORARY FILL IMPACTS = 0 LF (0 SF) (0.00 AC)
CLEARING IMPACT = 0 SF (0.00 AC)
ARMORING IMPACT = 60 LF (594 SF) (0.01 AC)



0 100

LEGEND

- TEMPORARY FILL IMPACT
- EXCAVATION IMPACT
- CLEARING IMPACT
- ARMORING / RIPRAP
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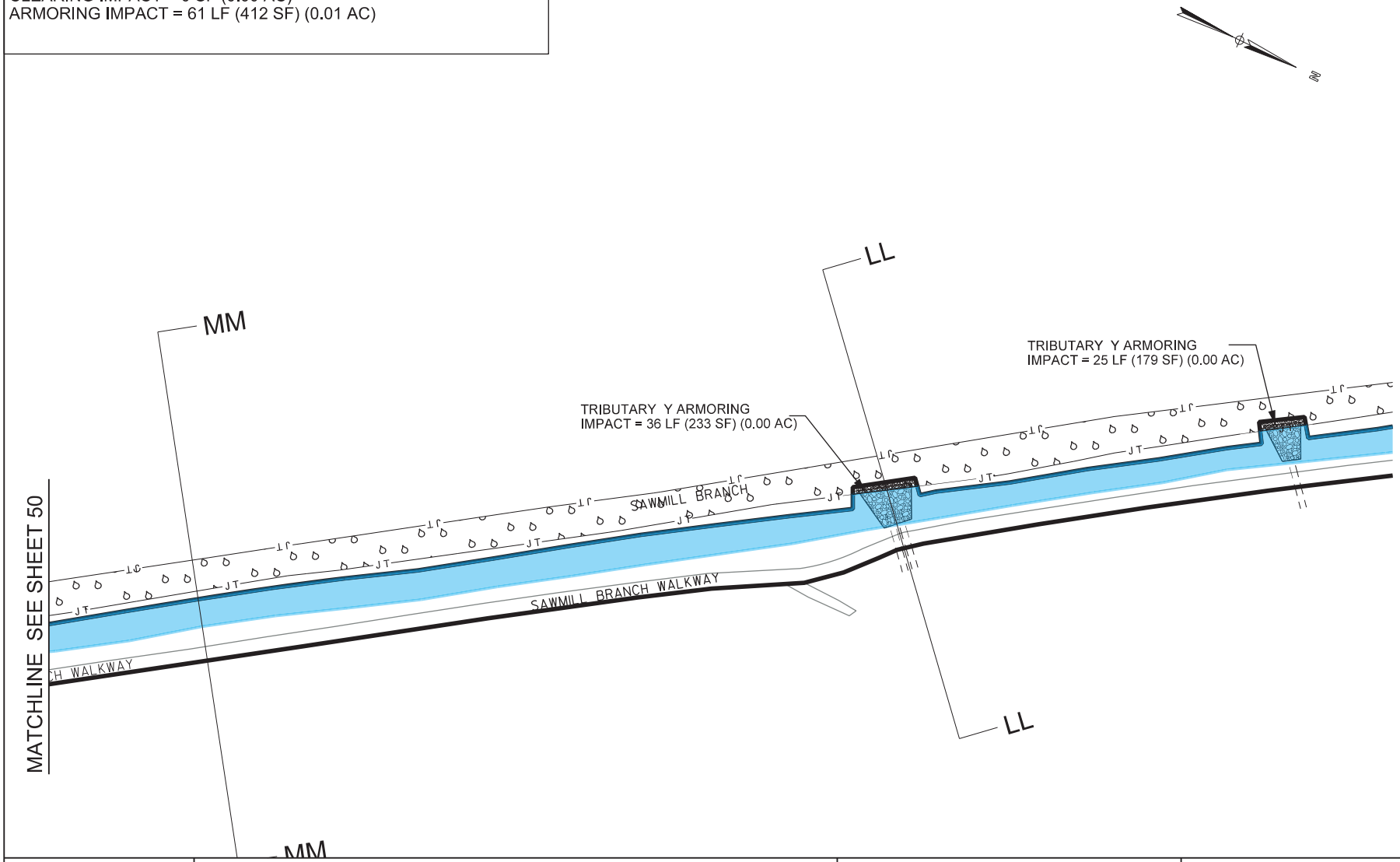
TRIBUTARY Y

IMPACTS THIS SHEET:
TEMPORARY FILL IMPACTS = 0 LF (0 SF) (0.00 AC)
CLEARING IMPACT = 0 SF (0.00 AC)
ARMORING IMPACT = 61 LF (412 SF) (0.01 AC)



0 100

LEGEND

- TEMPORARY FILL IMPACT
- EXCAVATION IMPACT
- CLEARING IMPACT
- ARMORING / RIPRAP
- POND
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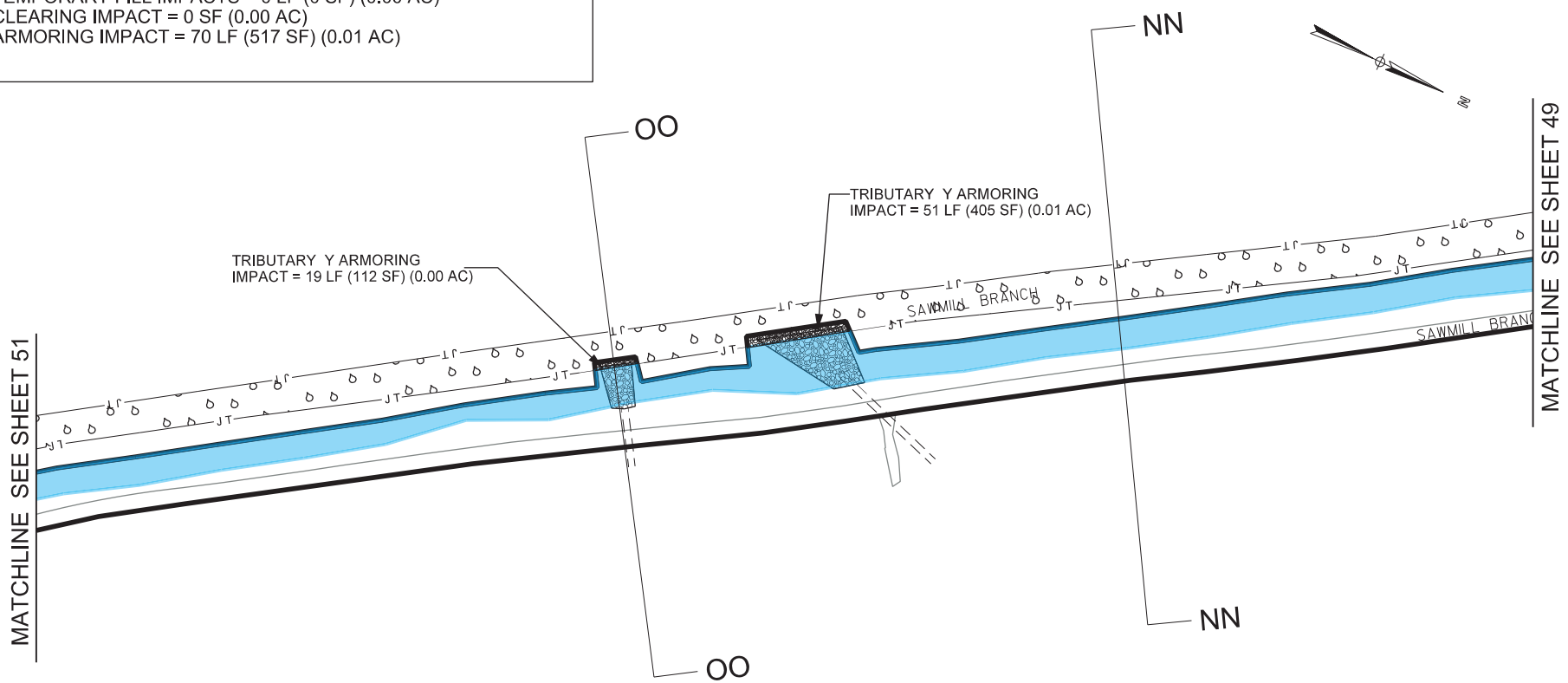
TRIBUTARY Y

SHEET 49 OF 89

IMPACTS THIS SHEET:
TEMPORARY FILL IMPACTS = 0 LF (0 SF) (0.00 AC)
CLEARING IMPACT = 0 SF (0.00 AC)
ARMORING IMPACT = 70 LF (517 SF) (0.01 AC)



0 100

LEGEND

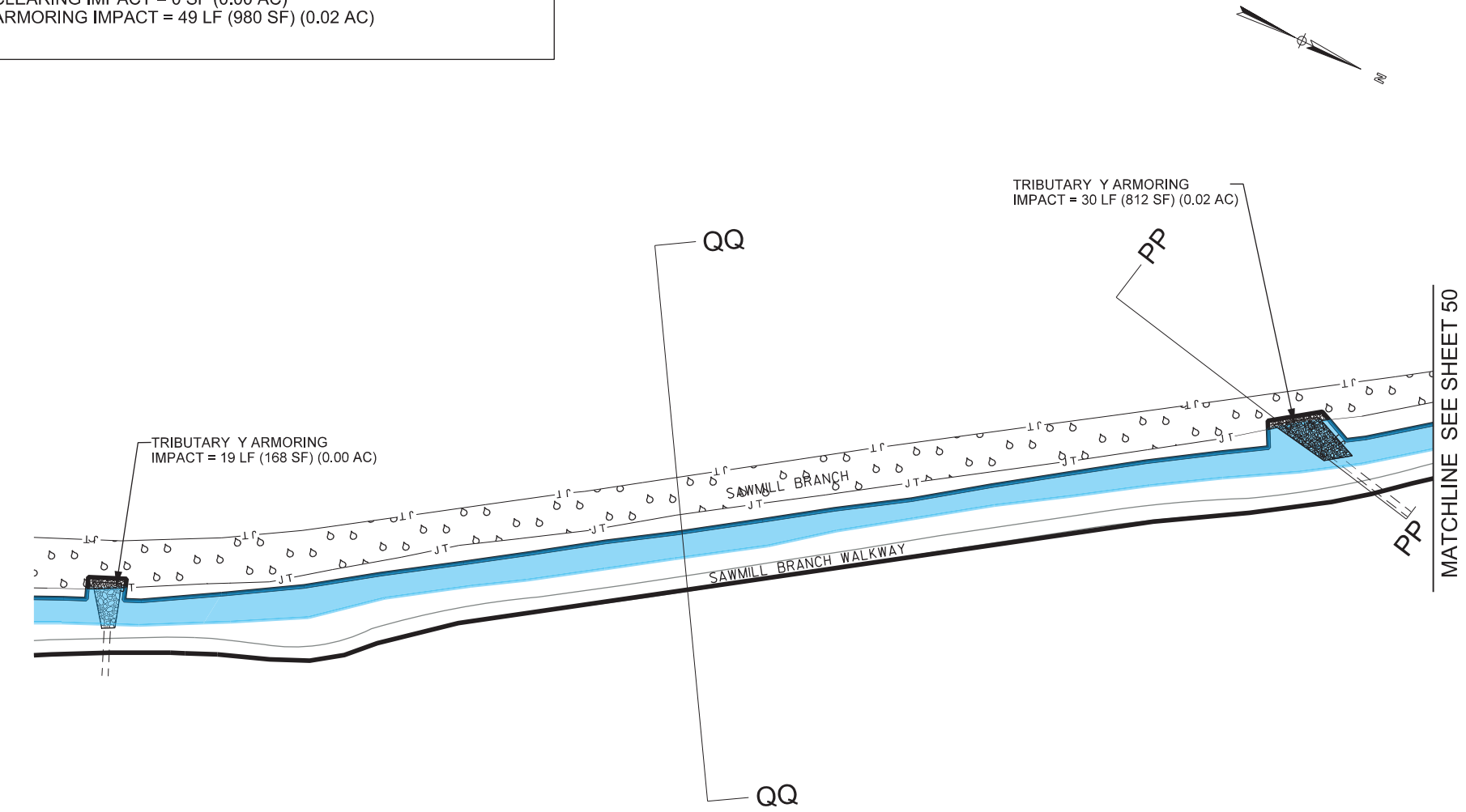
- TEMPORARY FILL IMPACT
- EXCAVATION IMPACT
- CLEARING IMPACT
- ARMORING / RIPRAP
- POND
- FLOODPLAIN BENCH AREA
- EXISTING PAVEMENT
- SIDEWALK
- WETLAND
- TRIBUTARY Y SAWMILL BRANCH
- PROPOSED PIPES
- EXISTING PIPES
- PROPERTY
- PROJECT LIMITS
- STREAMS

BERLIN MYERS PARKWAY
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021

SCDOT

TRIBUTARY Y

IMPACTS THIS SHEET:
TEMPORARY IMPACTS = 0 LF (0 SF) (0.00 AC)
CLEARING IMPACT = 0 SF (0.00 AC)
ARMORING IMPACT = 49 LF (980 SF) (0.02 AC)



0 100

LEGEND

- TEMPORARY FILL IMPACT
- EXCAVATION IMPACT
- CLEARING IMPACT
- ARMORING / RIPRAP
- POND
- FLOODPLAIN BENCH AREA
- EXISTING PAVEMENT
- SIDEWALK
- WETLAND
- TRIBUTARY Y SAWMILL BRANCH
- PROPOSED PIPES
- EXISTING PIPES
- PROPERTY
- PROJECT LIMITS
- JT STREAMS

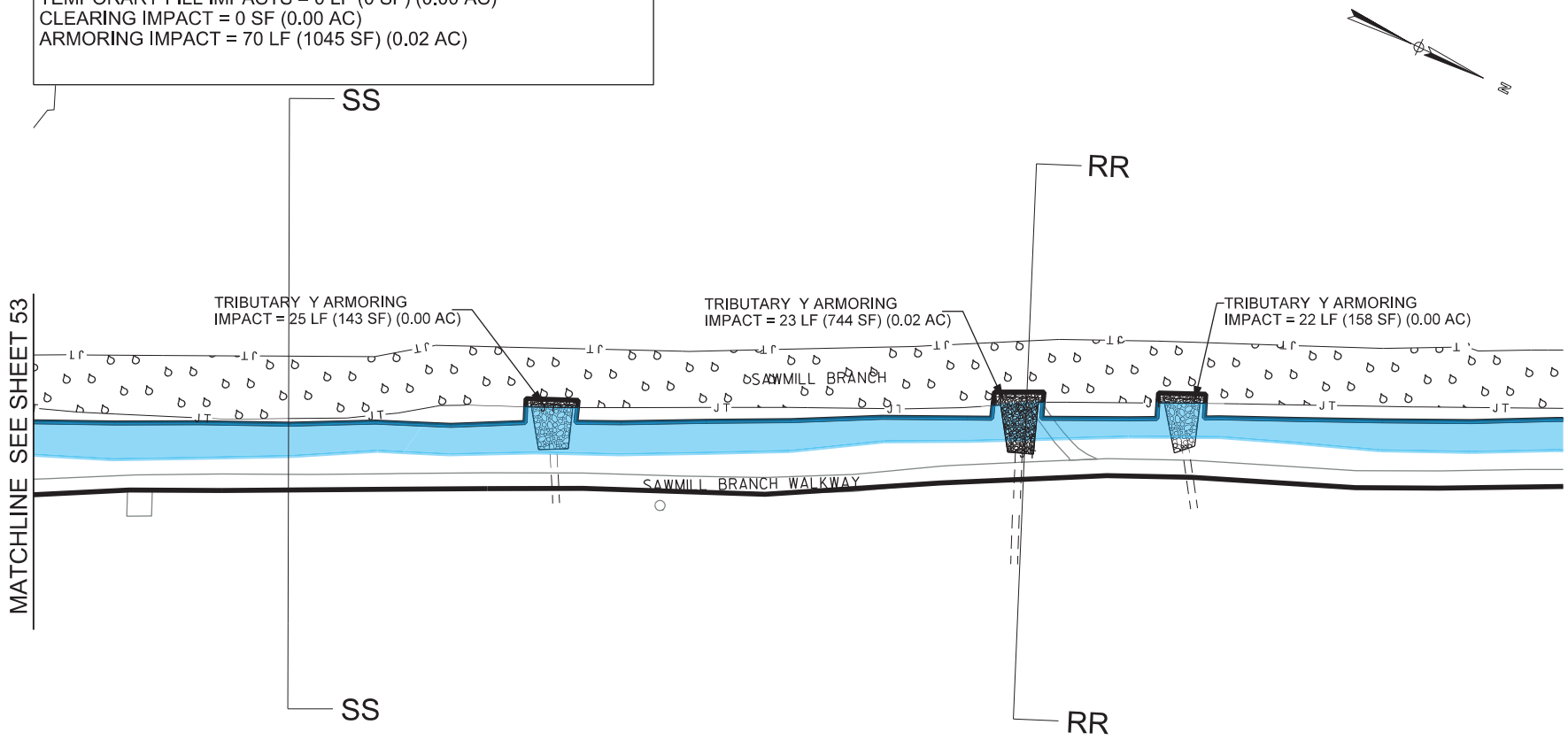
BERLIN MYERS PARKWAY
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021

SCDOT

TRIBUTARY Y

SHEET 51 OF 89

IMPACTS THIS SHEET:
TEMPORARY FILL IMPACTS = 0 LF (0 SF) (0.00 AC)
CLEARING IMPACT = 0 SF (0.00 AC)
ARMORING IMPACT = 70 LF (1045 SF) (0.02 AC)



0 100

LEGEND

- TEMPORARY FILL IMPACT
- EXCAVATION IMPACT
- CLEARING IMPACT
- ARMORING / RIPRAP
- POND
- FLOODPLAIN BENCH AREA
- EXISTING PAVEMENT
- SIDEWALK
- WETLAND
- TRIBUTARY Y SAWMILL BRANCH
- PROPOSED PIPES
- EXISTING PIPES
- PROPERTY
- PROJECT LIMITS
- JT STREAMS

BERLIN MYERS PARKWAY
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
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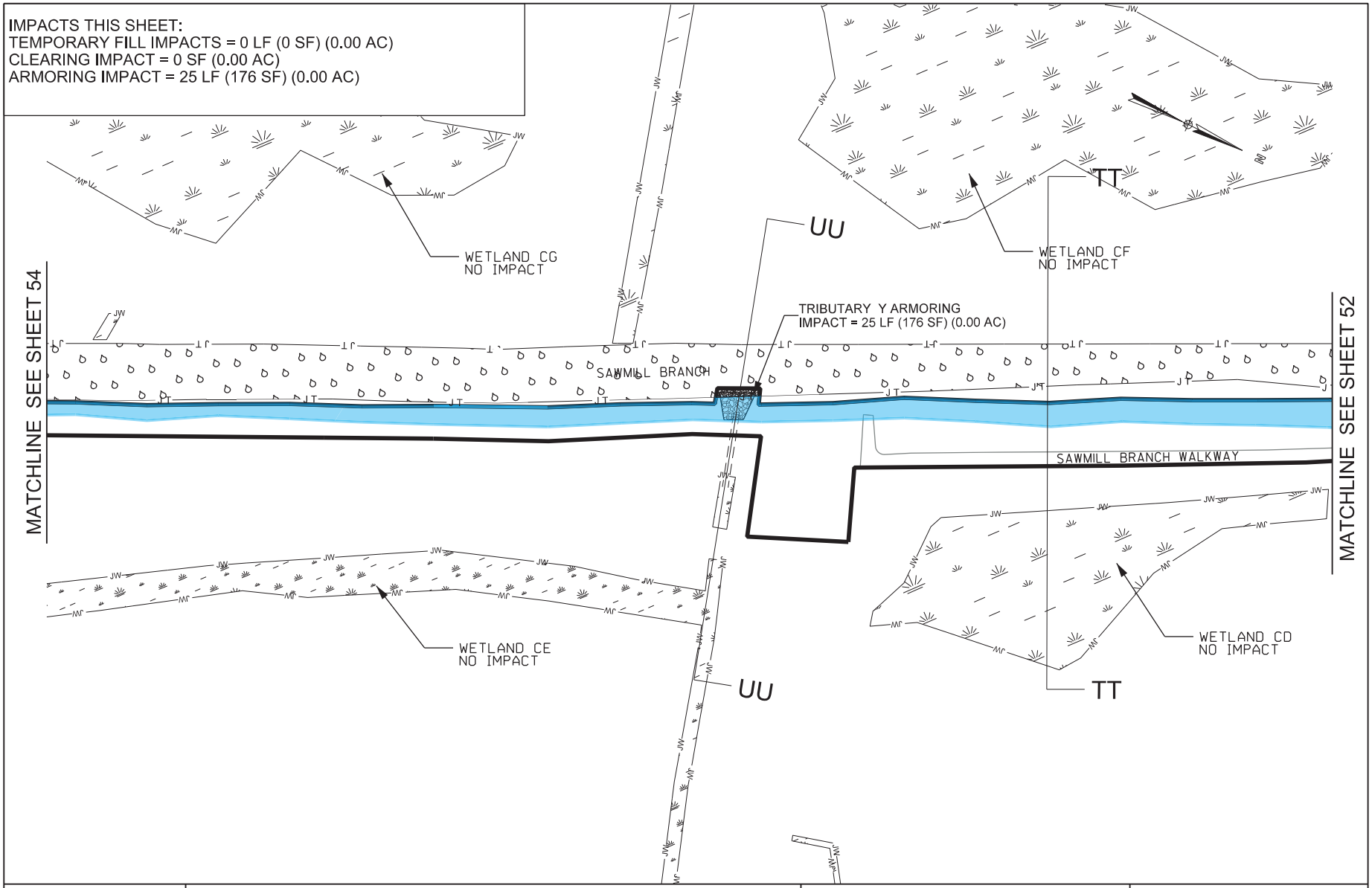
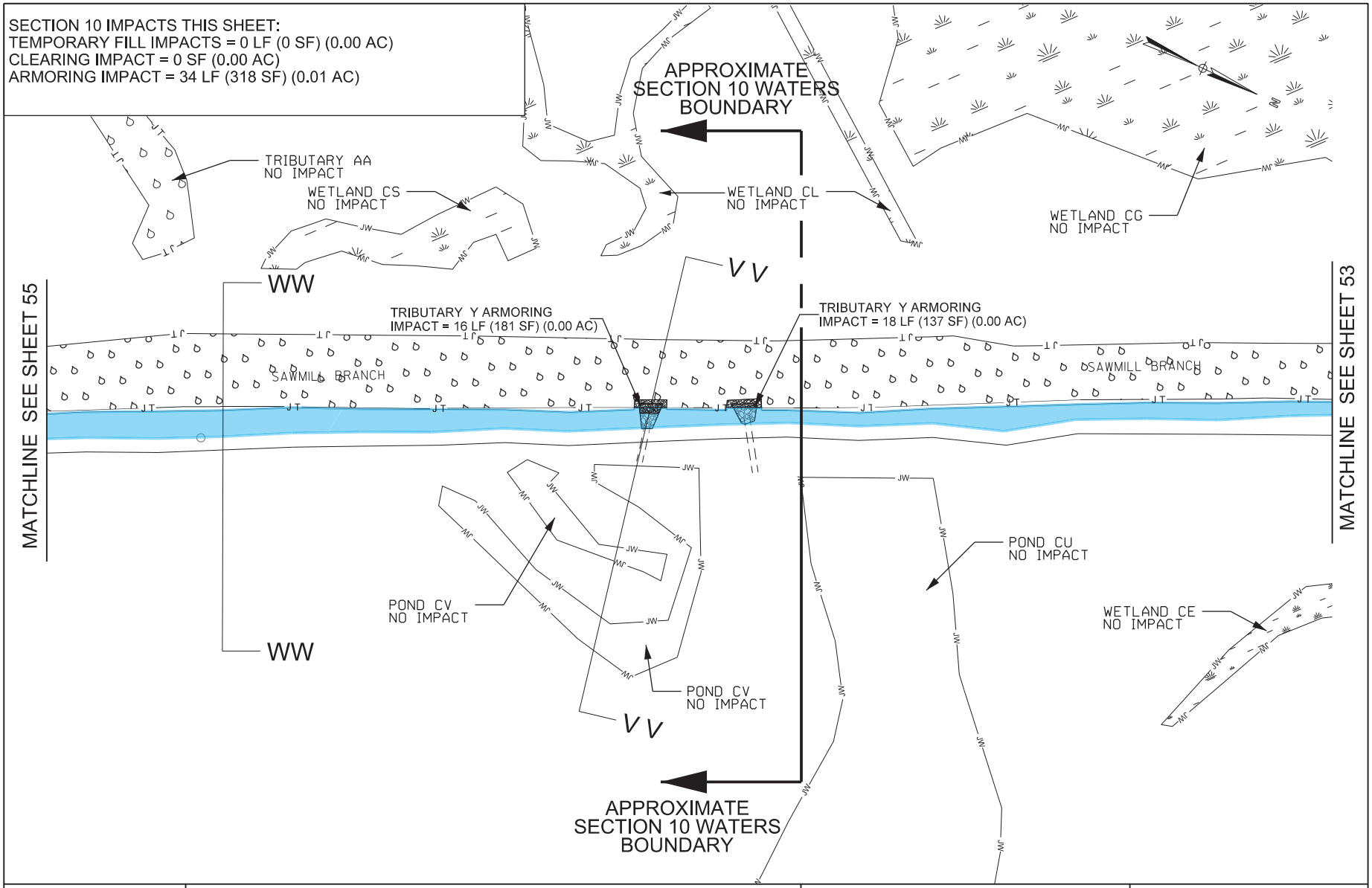
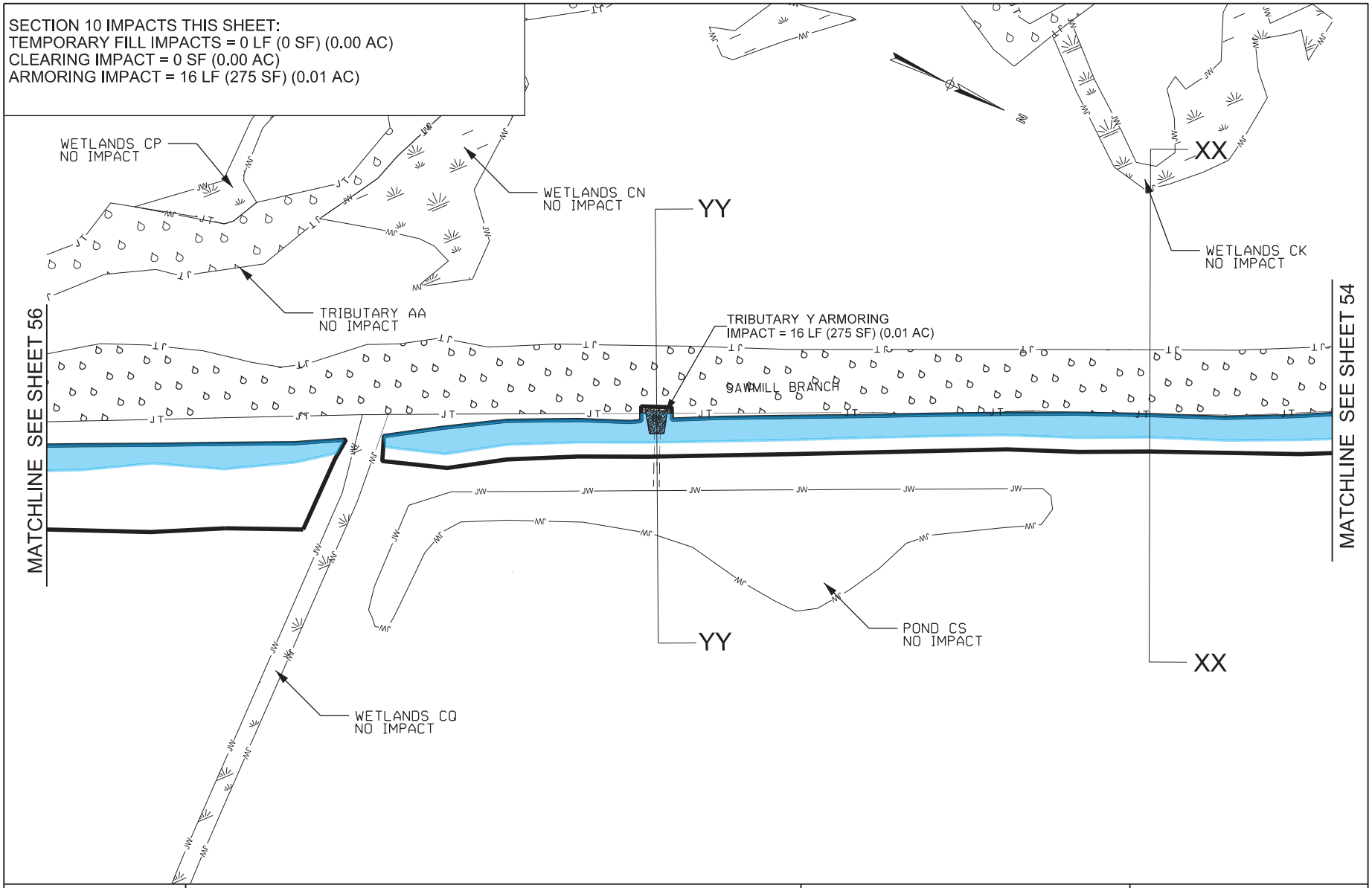
SCDOT

TRIBUTARY Y

SHEET 52 OF 89


IMPACTS THIS SHEET:
TEMPORARY FILL IMPACTS = 0 LF (0 SF) (0.00 AC)
CLEARING IMPACT = 0 SF (0.00 AC)
ARMORING IMPACT = 25 LF (176 SF) (0.00 AC)
WETLAND CG
NO IMPACT
UU
TT
WETLAND CF
NO IMPACT
MATCHLINE SEE SHEET 54
TRIBUTARY Y ARMORING
IMPACT = 25 LF (176 SF) (0.00 AC)
SAWMILL BRANCH
SAWMILL BRANCH WALKWAY
MATCHLINE SEE SHEET 52
WETLAND CE
NO IMPACT
UU
WETLAND CD
NO IMPACT
TT
0
100
LEGEND
TEMPORARY FILL IMPACT
EXCAVATION IMPACT
CLEARING IMPACT
ARMORING / RIPRAP
POND
FLOODPLAIN BENCH AREA
EXISTING PAVEMENT
SIDEWALK
WETLAND
TRIBUTARY Y
SAWMILL BRANCH
PROPOSED PIPES
EXISTING PIPES
PROPERTY
PROJECT LIMITS
STREAMS
BERLIN MYERS PARKWAY
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021
SCDOT
TRIBUTARY Y
SHEET 53 OF 89


SECTION 10 IMPACTS THIS SHEET:
TEMPORARY FILL IMPACTS = 0 LF (0 SF) (0.00 AC)
CLEARING IMPACT = 0 SF (0.00 AC)
ARMORING IMPACT = 34 LF (318 SF) (0.01 AC)
APPROXIMATE SECTION 10 WATERS BOUNDARY
TRIBUTARY AA NO IMPACT
WETLAND CS NO IMPACT
WETLAND CL NO IMPACT
WETLAND CG NO IMPACT
WW
VV
TRIBUTARY Y ARMORING IMPACT = 16 LF (181 SF) (0.00 AC)
TRIBUTARY Y ARMORING IMPACT = 18 LF (137 SF) (0.00 AC)
SAWMILL BRANCH
MATCHLINE SEE SHEET 55
MATCHLINE SEE SHEET 53
POND CU NO IMPACT
POND CV NO IMPACT
WETLAND CE NO IMPACT
APPROXIMATE SECTION 10 WATERS BOUNDARY
0
100
LEGEND
TEMPORARY FILL IMPACT
EXCAVATION IMPACT
CLEARING IMPACT
ARMORING / RIPRAP
POND
FLOODPLAIN BENCH AREA
EXISTING PAVEMENT
SIDEWALK
WETLAND
TRIBUTARY Y SAWMILL BRANCH
PROPOSED PIPES
EXISTING PIPES
PROPERTY
PROJECT LIMITS
STREAMS
BERLIN MYERS PARKWAY
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021
SCDOT
TRIBUTARY Y
SHEET 54 OF 89



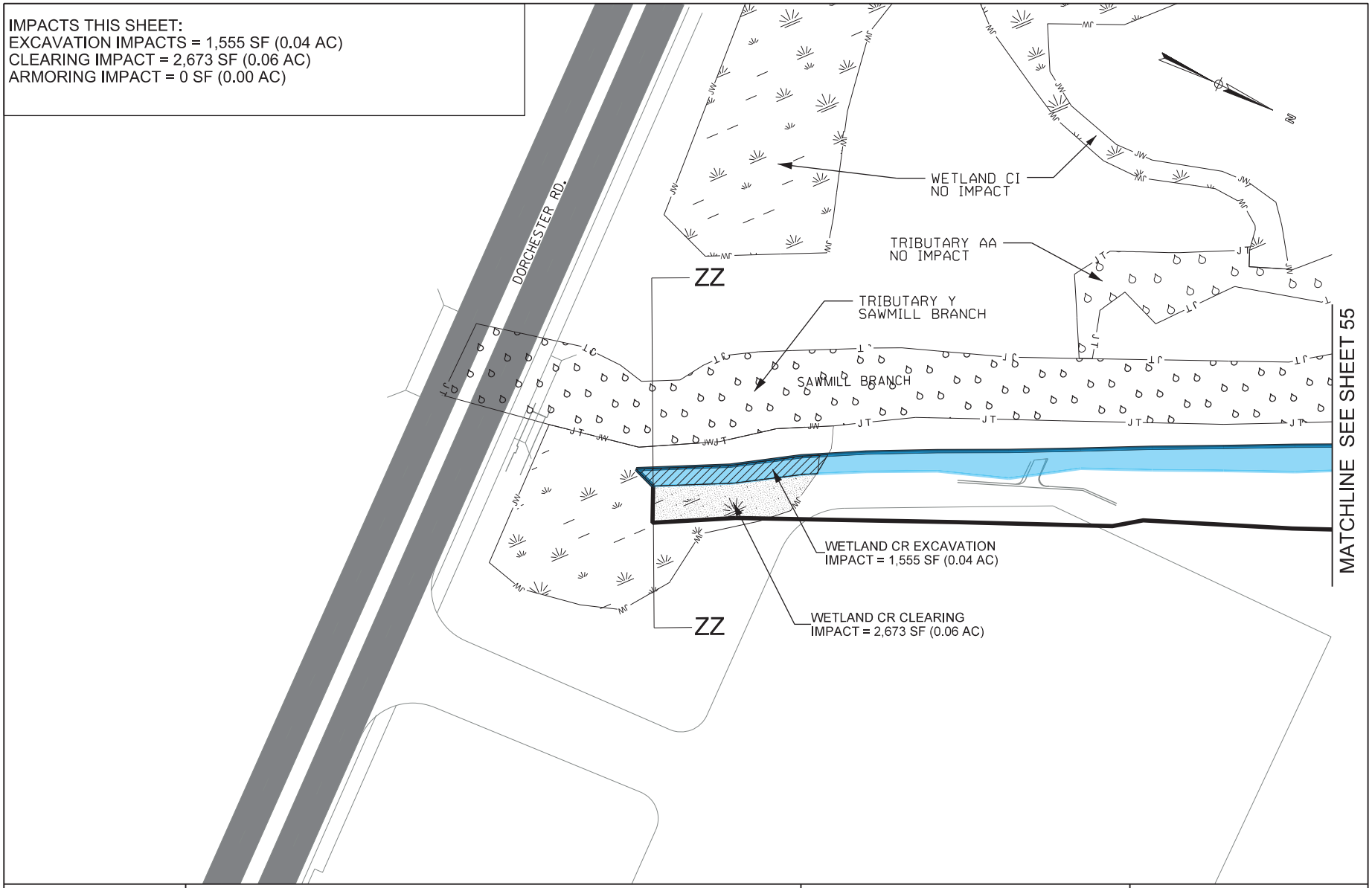
BERLIN MYERS PARKWAY
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021

SCDOT

TRIBUTARY Y

SHEET 55 OF 89

IMPACTS THIS SHEET:
EXCAVATION IMPACTS = 1,555 SF (0.04 AC)
CLEARING IMPACT = 2,673 SF (0.06 AC)
ARMORING IMPACT = 0 SF (0.00 AC)



0 100

LEGEND

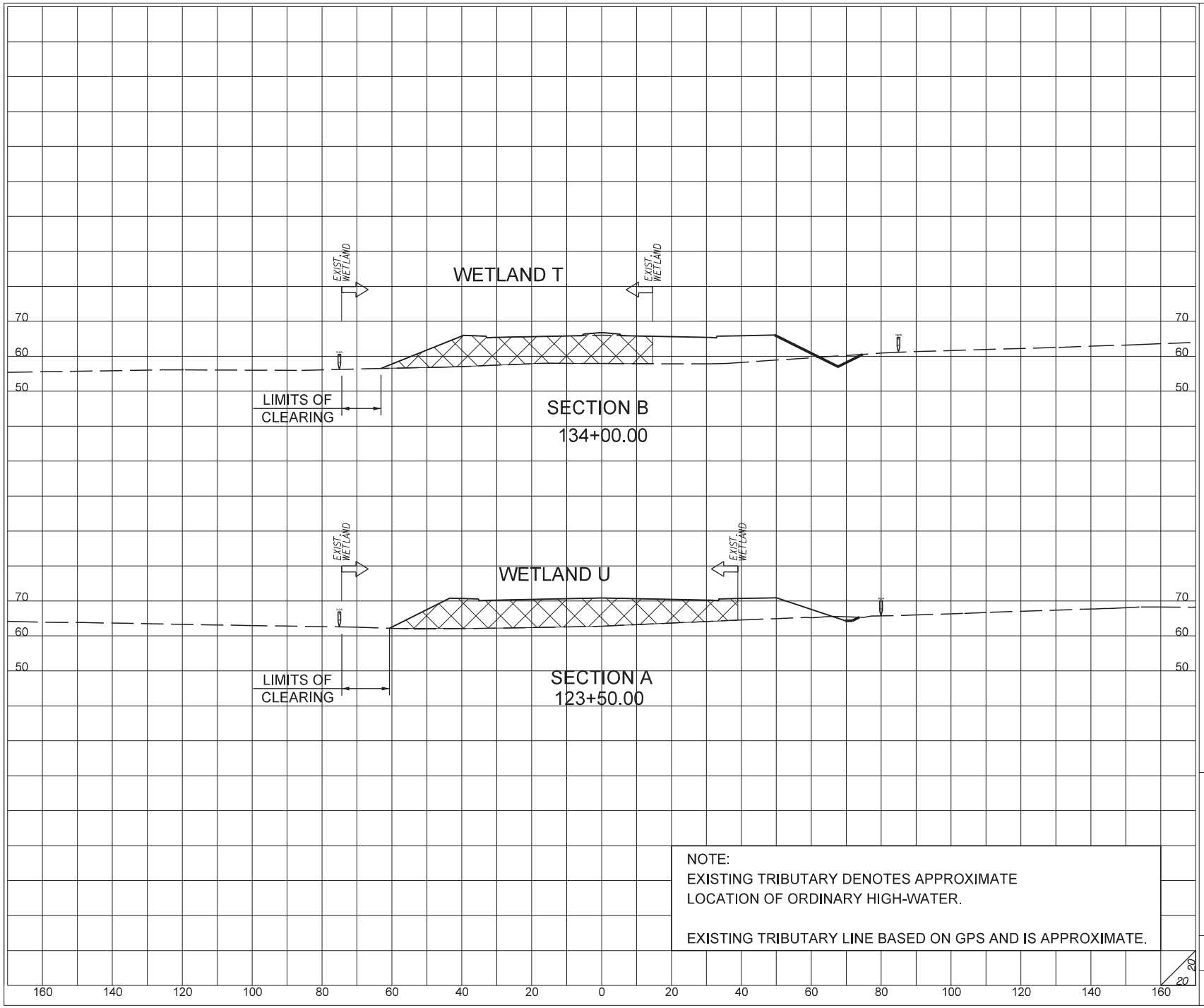
- TEMPORARY FILL IMPACT
- EXCAVATION IMPACT
- CLEARING IMPACT
- ARMORING / RIPRAP
- POND
- FLOODPLAIN BENCH AREA
- EXISTING PAVEMENT
- SIDEWALK
- WETLAND
- TRIBUTARY Y SAWMILL BRANCH
- PROPOSED PIPES
- EXISTING PIPES
- PROPERTY
- PROJECT LIMITS
- JT STREAMS

BERLIN MYERS PARKWAY
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021

SCDOT

TRIBUTARY Y

SHEET 56 OF 89



NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.

EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.

EXISTING PIPE

ARMORING IMPACT

FLOODPLAIN BENCH AREA

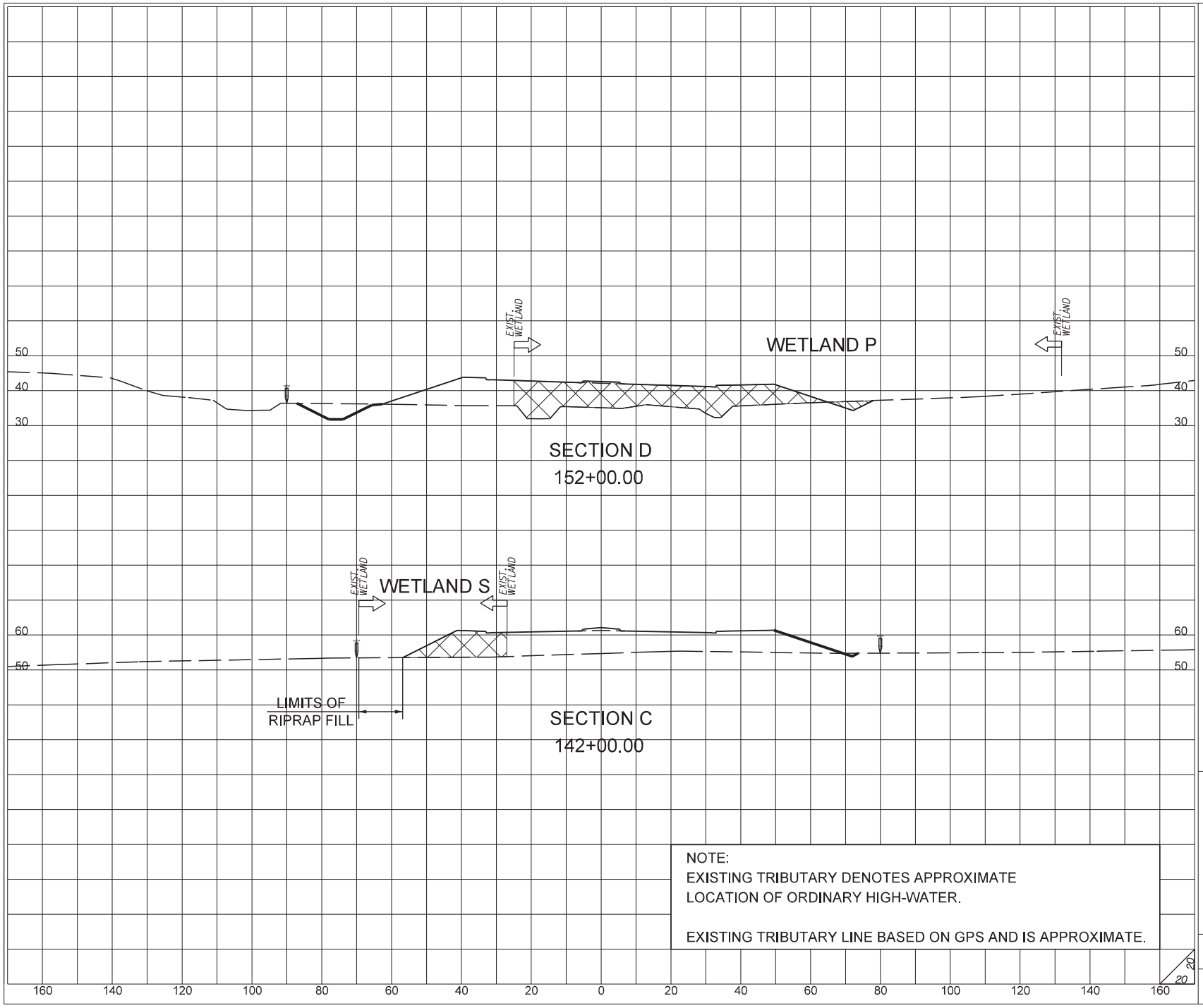
EXCAVATION IMPACT

PERMANENT FILL IMPACT

SCDOT

WET U & T

SHEET 57 OF 89



NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.

EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.

EXISTING PIPE

ARMORING IMPACT

FLOODPLAIN BENCH AREA

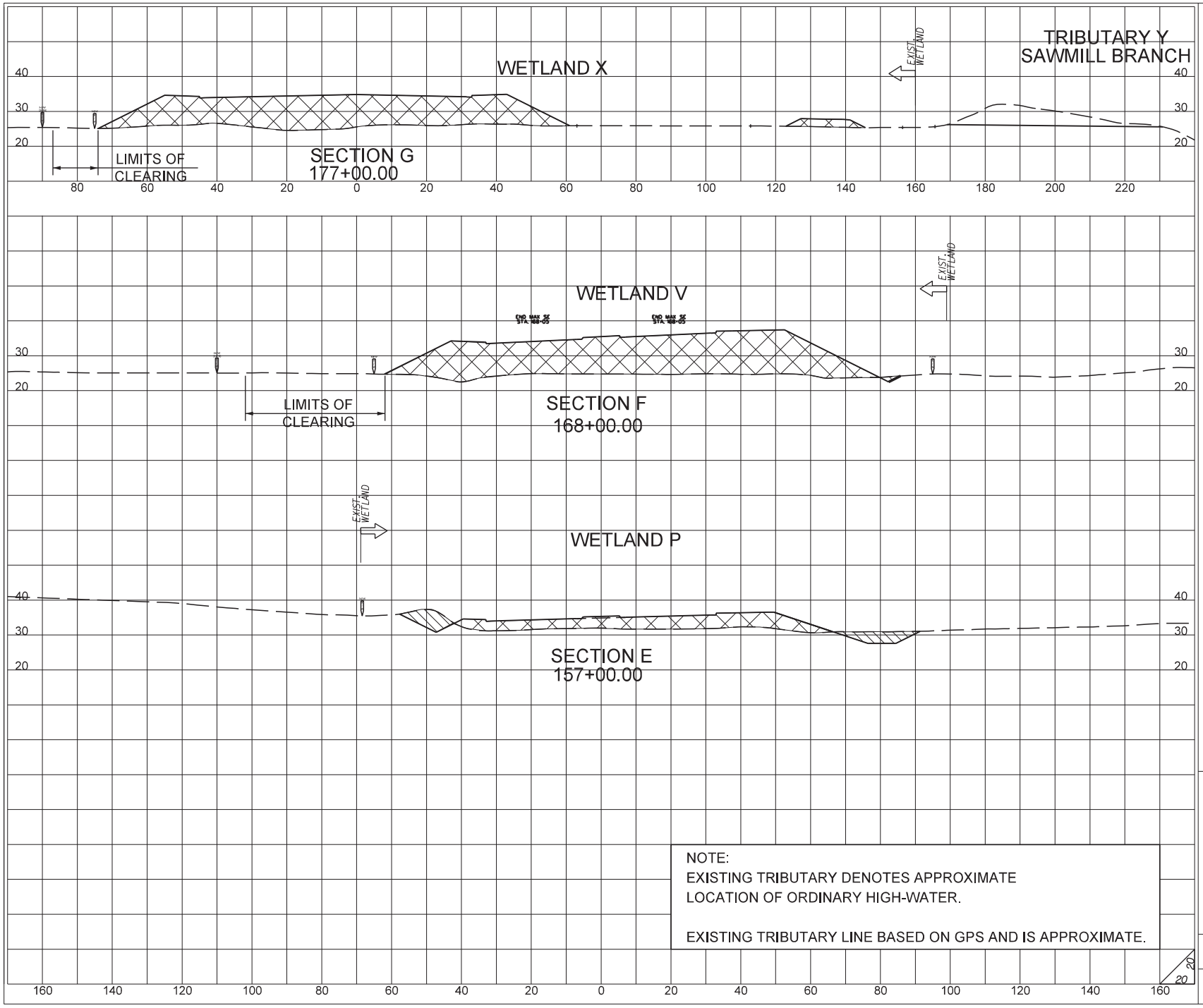
EXCAVATION IMPACT

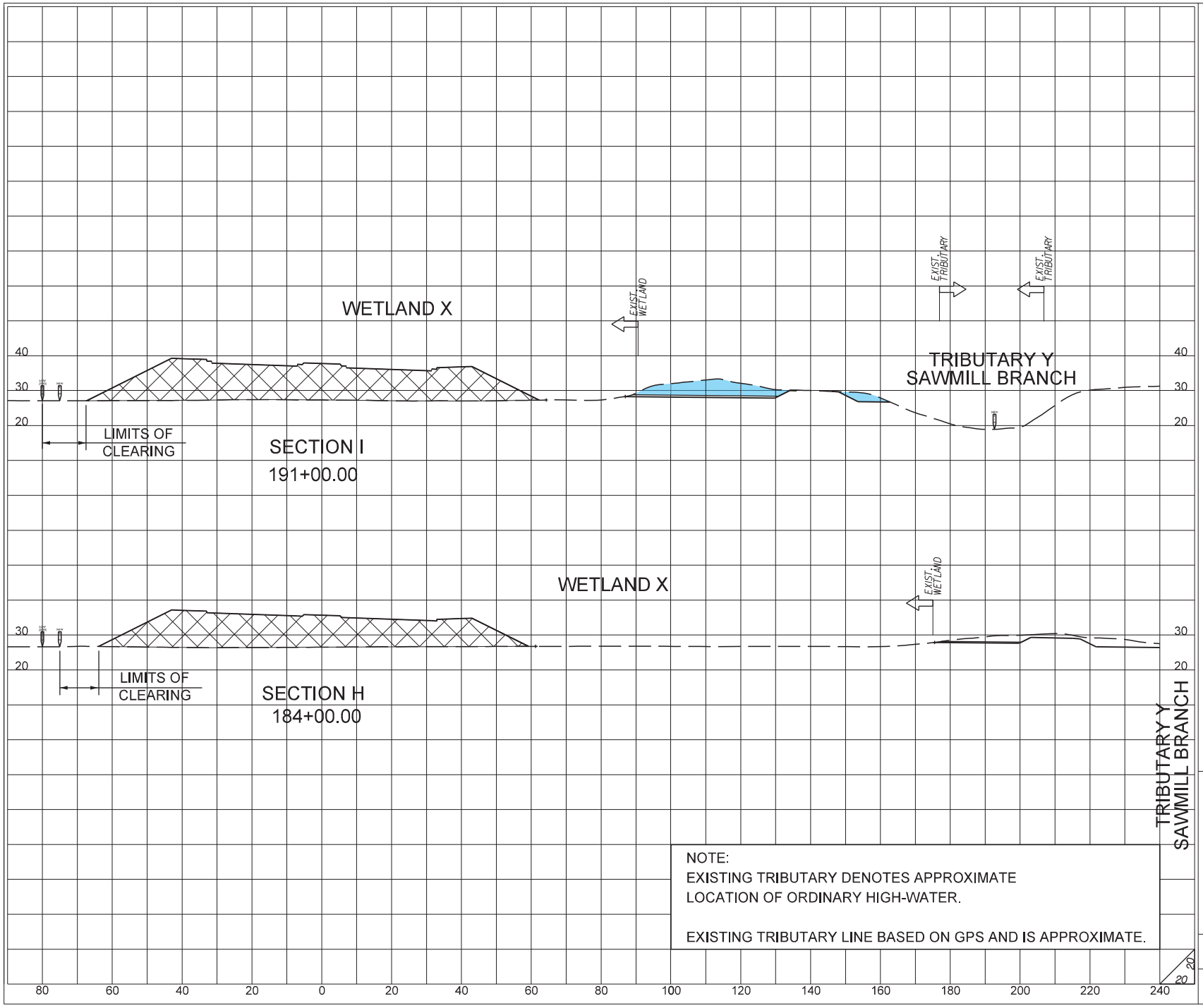
PERMANENT FILL IMPACT

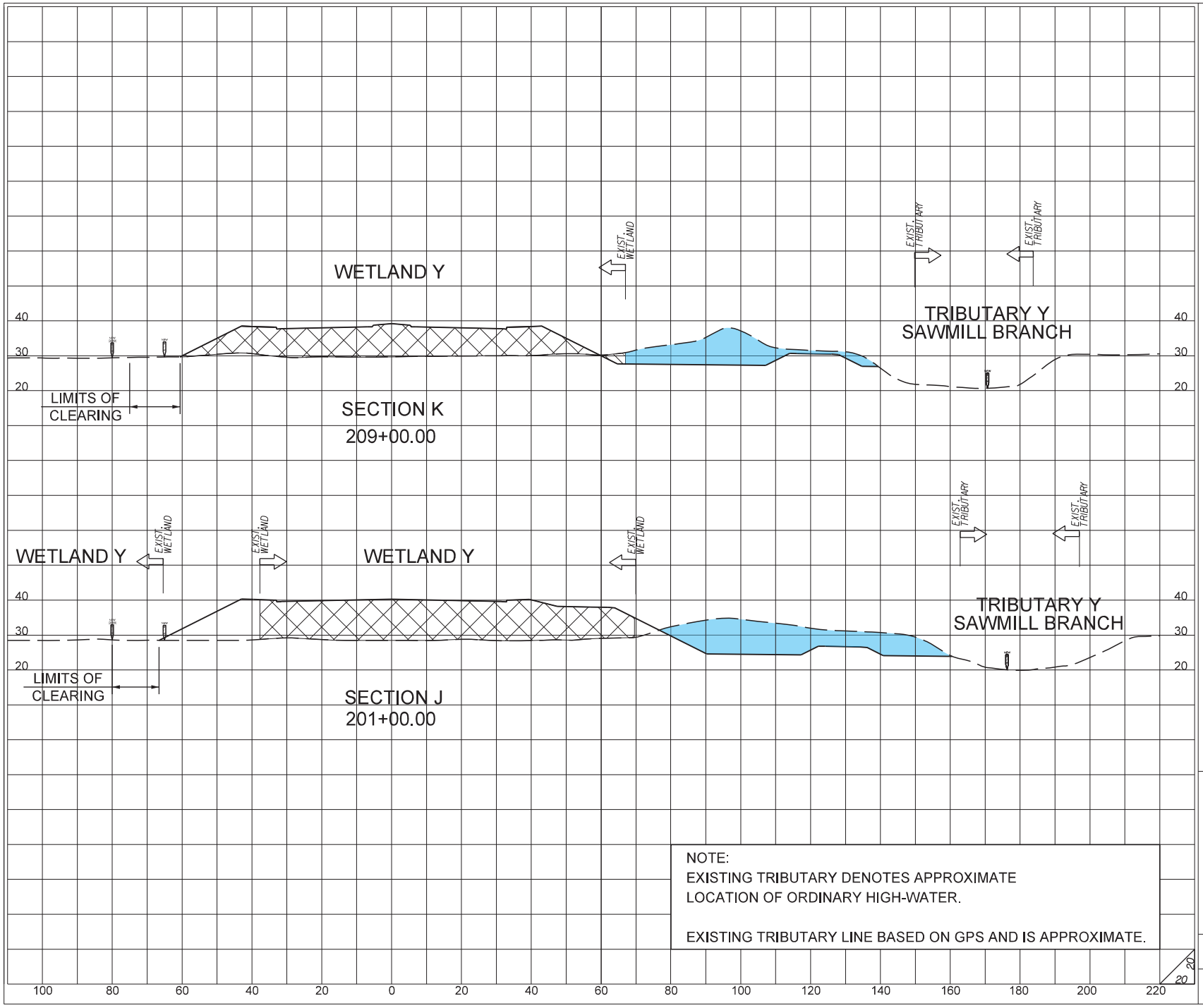
SCDOT

WET S & P

SHEET 58 OF 89


WETLAND X
TRIBUTARY Y
SAWMILL BRANCH
EXIST. WETLAND
LIMITS OF CLEARING
SECTION G
177+00.00
WETLAND V
EXIST. WETLAND
END WAX SC STA. 168+05
LIMITS OF CLEARING
SECTION F
168+00.00
EXIST. WETLAND
WETLAND P
SECTION E
157+00.00
NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.
EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.
EXISTING PIPE
ARMORING IMPACT
FLOODPLAIN BENCH AREA
EXCAVATION IMPACT
PERMANENT FILL IMPACT
SCDOT
WET P, V & X
SHEET 59 OF 89


WETLAND X
EXIST. WETLAND
EXIST. TRIBUTARY
EXIST. TRIBUTARY
TRIBUTARY Y
SAWMILL BRANCH
40
30
20
LIMITS OF CLEARING
SECTION I
191+00.00
WETLAND X
EXIST. WETLAND
30
20
LIMITS OF CLEARING
SECTION H
184+00.00
TRIBUTARY Y
SAWMILL BRANCH
80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240
NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.
EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.
EXISTING PIPE
ARMORING IMPACT
FLOODPLAIN BENCH AREA
EXCAVATION IMPACT
PERMANENT FILL IMPACT
SCDOT
WET X
SHEET 60 OF 89



NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.

EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.

EXISTING PIPE

ARMORING IMPACT

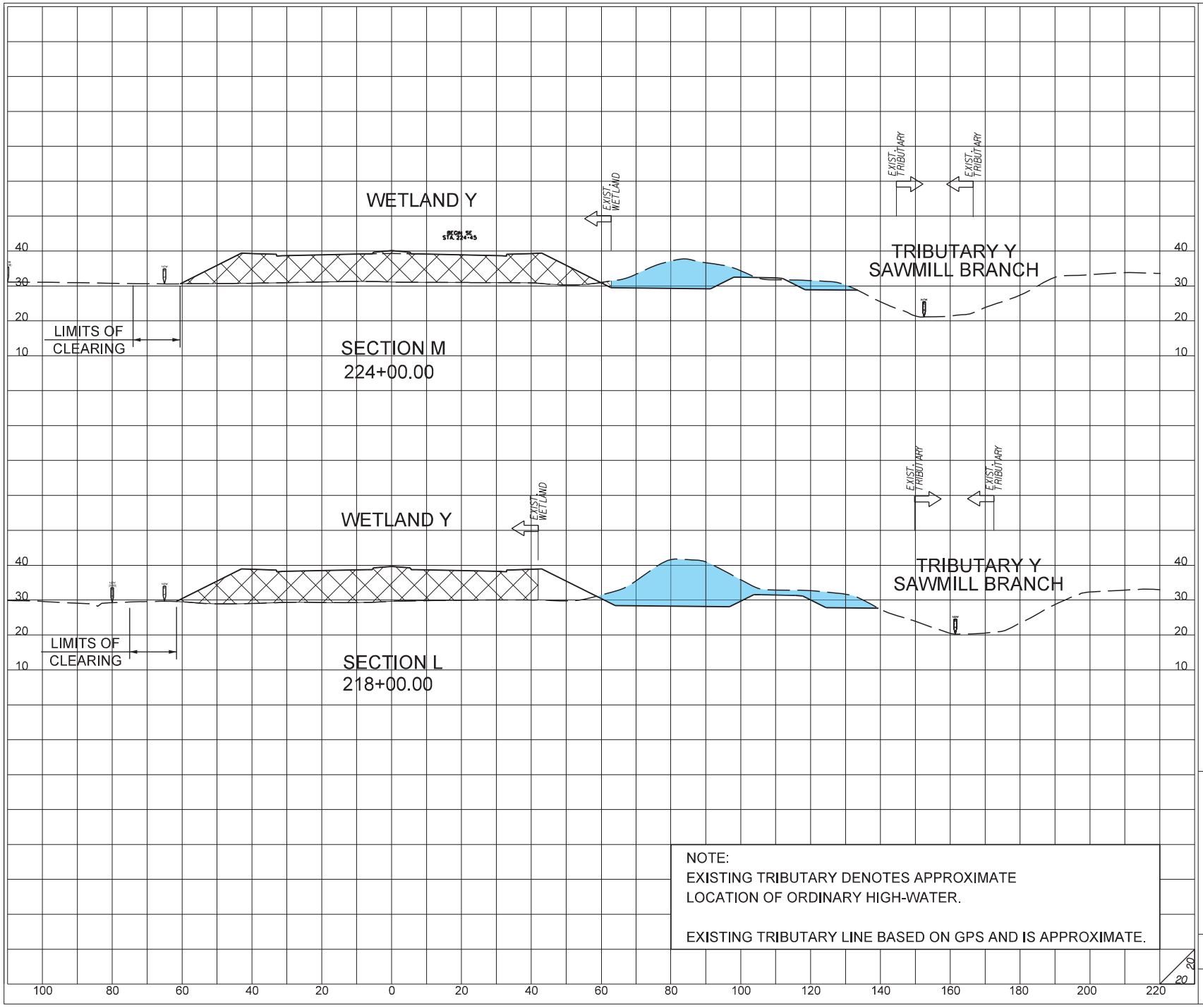
FLOODPLAIN BENCH AREA

EXCAVATION IMPACT

PERMANENT FILL IMPACT

SCDOT

WETLAND Y, A & TRIBUTARY Y

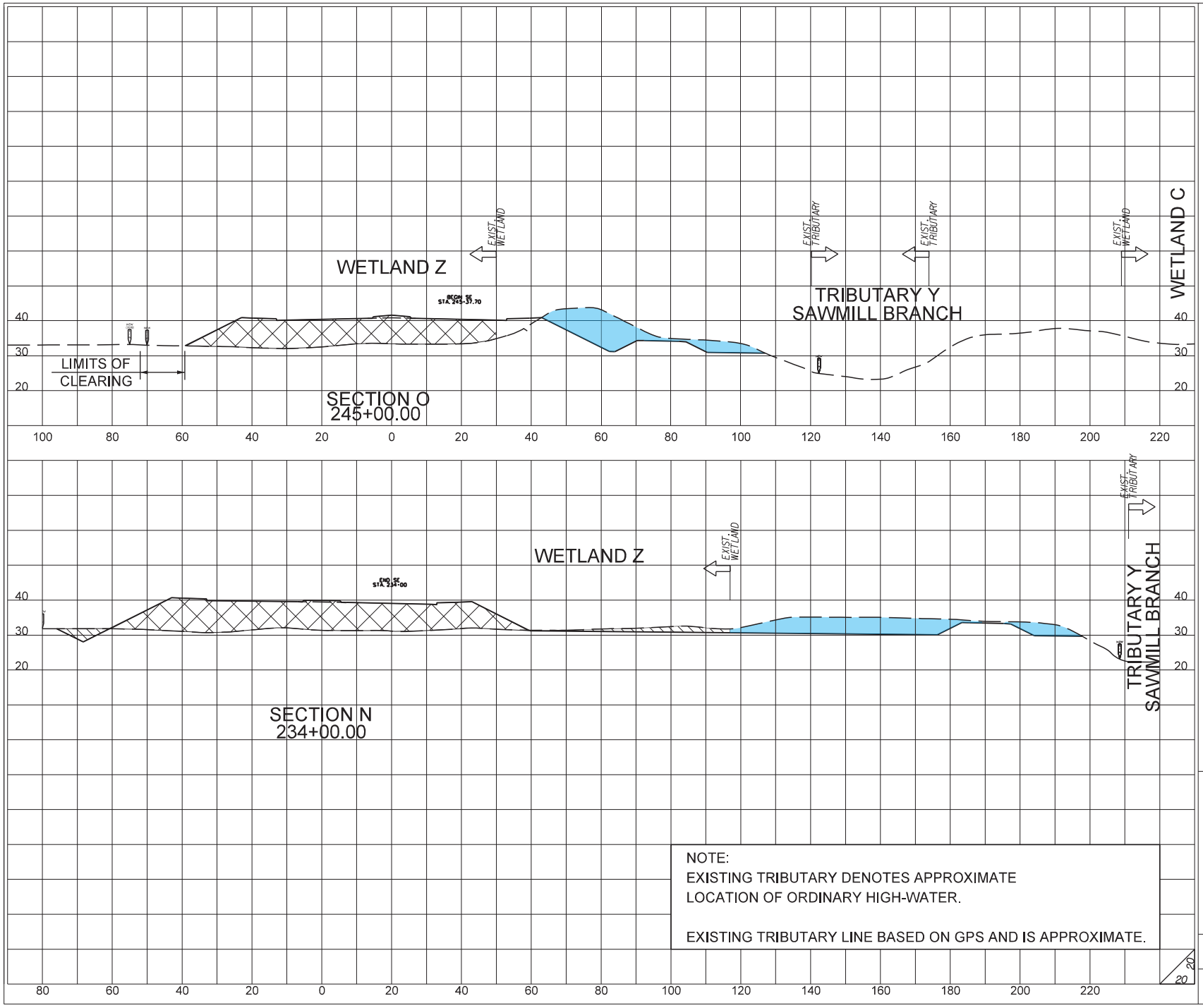


NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.

EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.

SCDOT

WETLAND Y, A & TRIBUTARY Y



NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.

EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.

EXISTING PIPE

ARMORING IMPACT

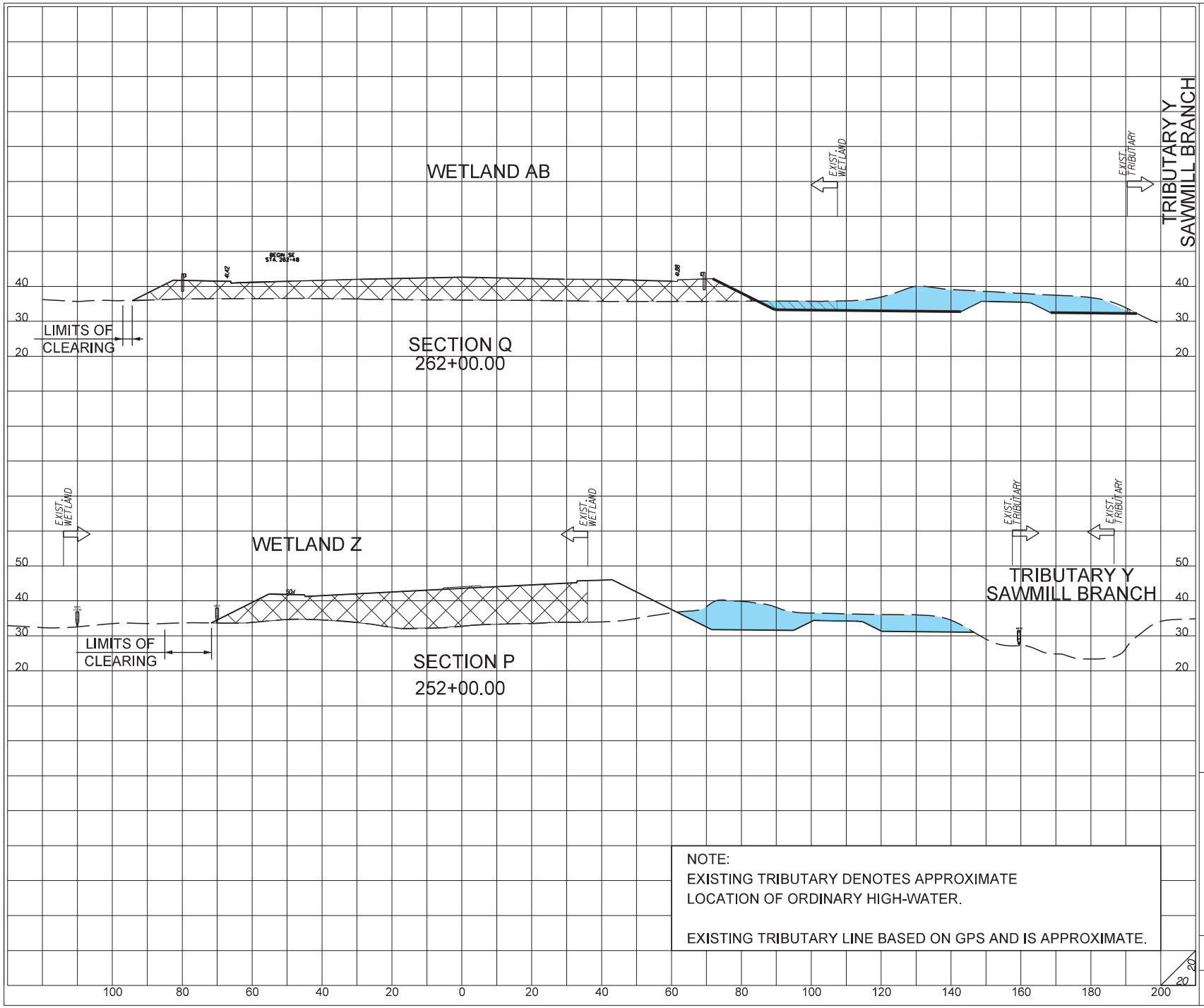
FLOODPLAIN BENCH AREA

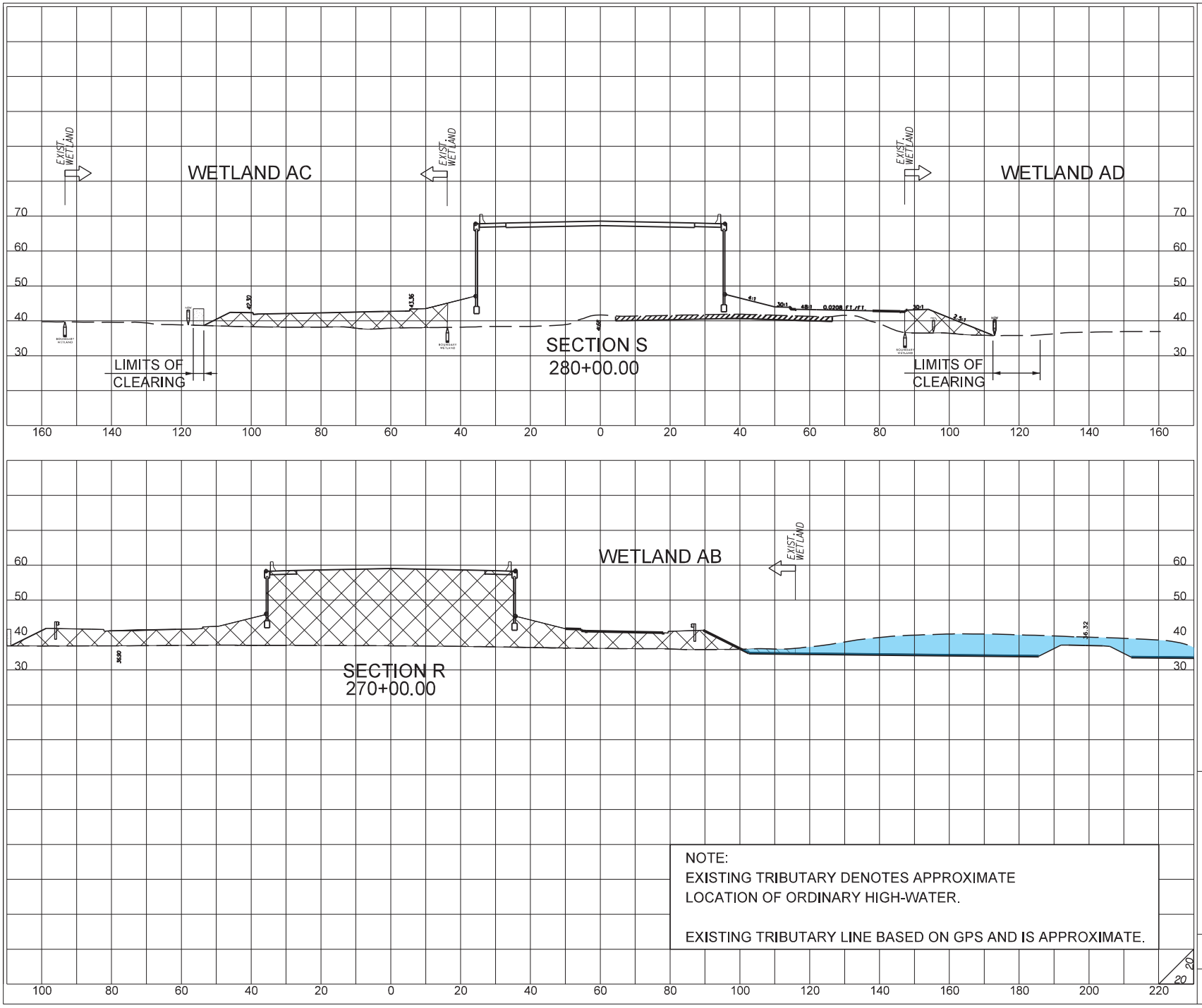
EXCAVATION IMPACT

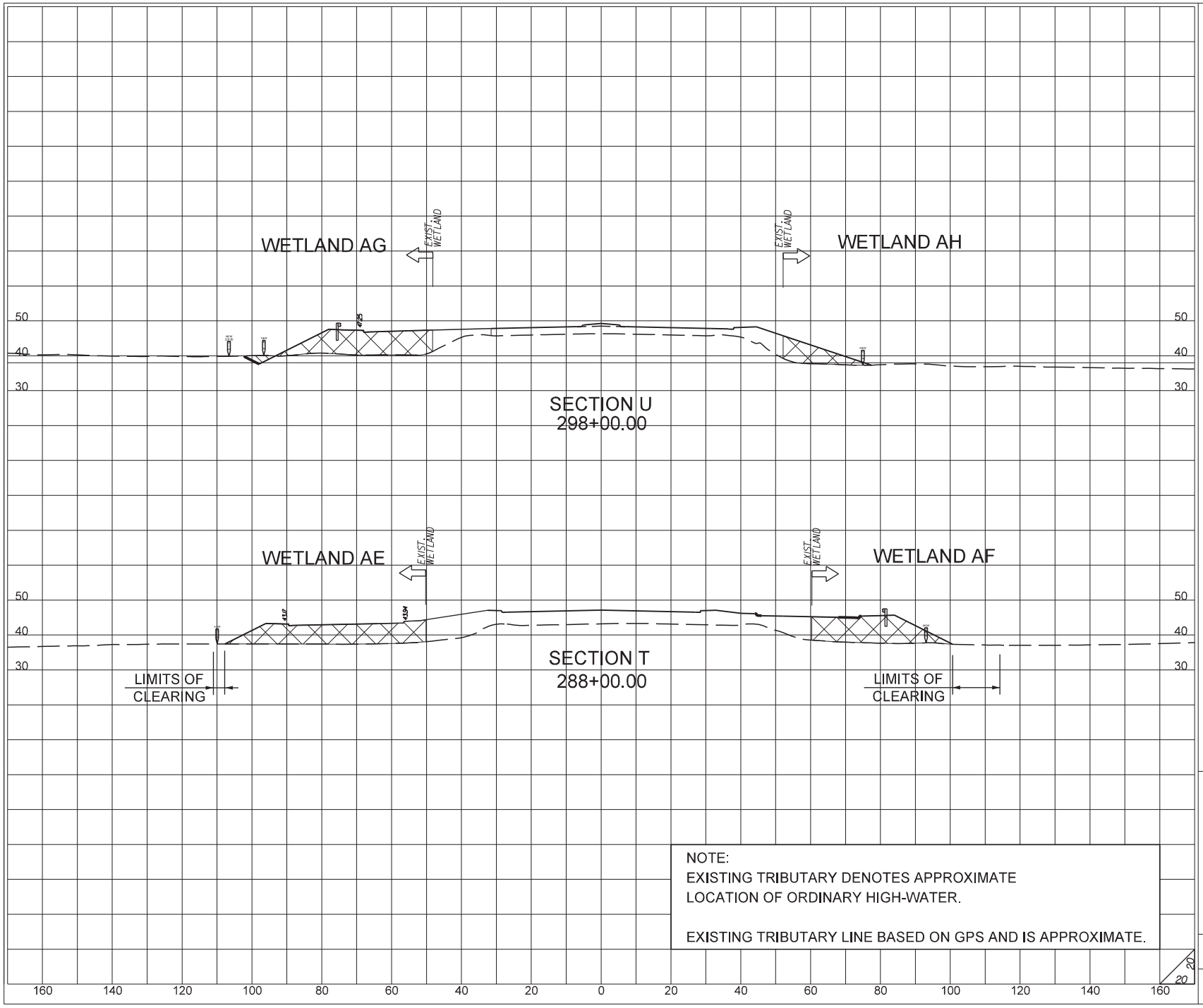
PERMANENT FILL IMPACT

SCDOT

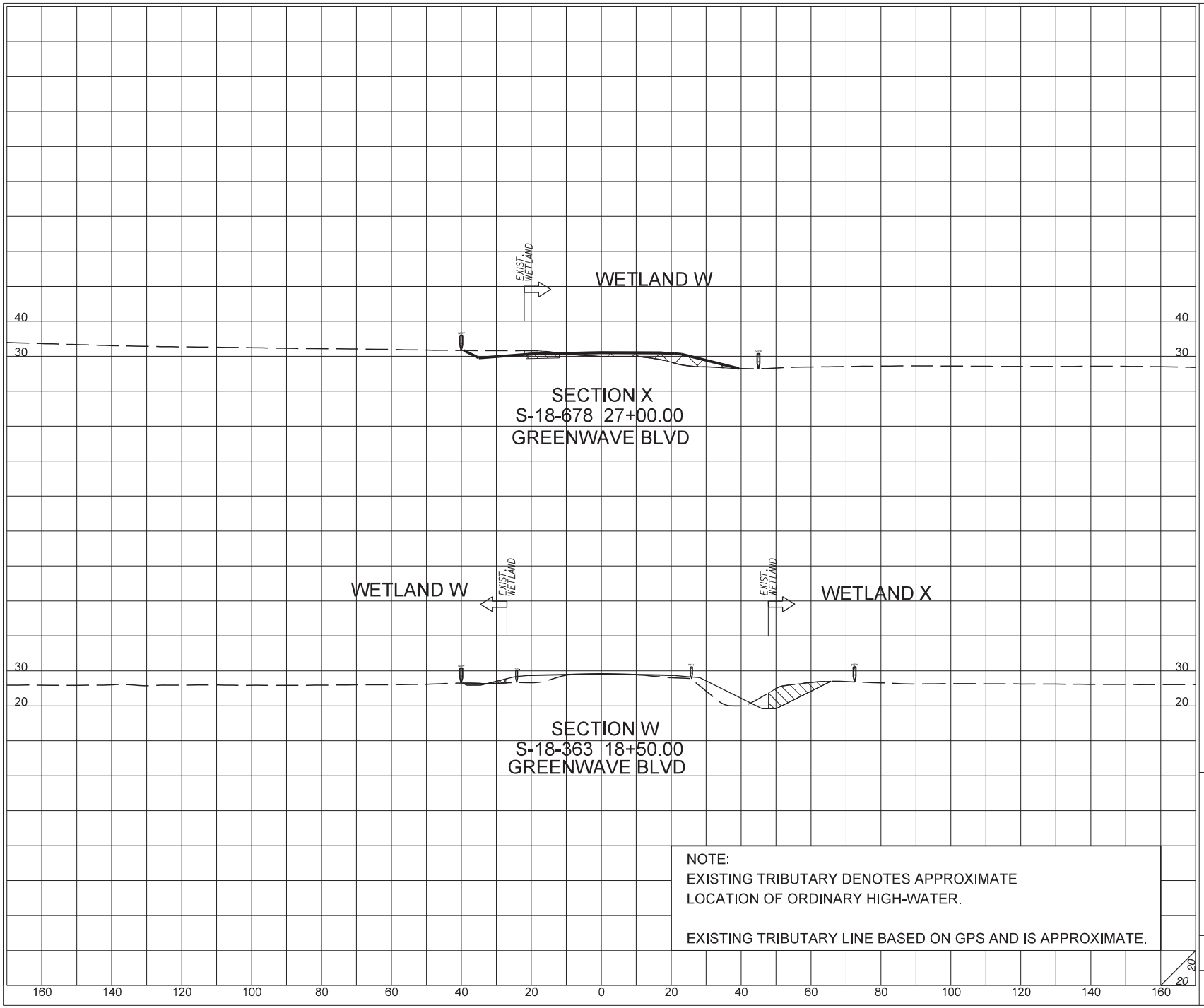
WET Y, Z & A


WETLAND AB
EXIST. WETLAND
EXIST. TRIBUTARY
TRIBUTARY Y
SAWMILL BRANCH
BEGIN SS
STA. 262+48
4x2
4x8
40
30
20
LIMITS OF
CLEARING
SECTION Q
262+00.00
EXIST. WETLAND
WETLAND Z
EXIST. WETLAND
EXIST. TRIBUTARY
EXIST. TRIBUTARY
TRIBUTARY Y
SAWMILL BRANCH
50
40
30
20
LIMITS OF
CLEARING
SECTION P
252+00.00
NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE
LOCATION OF ORDINARY HIGH-WATER.
EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.
100
80
60
40
20
0
20
40
60
80
100
120
140
160
180
200
EXISTING PIPE
ARMORING IMPACT
FLOODPLAIN BENCH AREA
EXCAVATION IMPACT
PERMANENT FILL IMPACT
SCDOT
WET Z, AB & A
SHEET 64 OF 89


WETLAND AC
WETLAND AD
WETLAND AB
EXIST. WETLAND
SECTION S
280+00.00
SECTION R
270+00.00
LIMITS OF CLEARING
LIMITS OF CLEARING
NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.
EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.
EXISTING PIPE
ARMORING IMPACT
FLOODPLAIN BENCH AREA
EXCAVATION IMPACT
PERMANENT FILL IMPACT
SCDOT
WET AB, AC & AD
SHEET 65 OF 89


WETLAND AG
EXIST. WETLAND
WETLAND AH
EXIST. WETLAND
50
40
30
SECTION U
298+00.00
WETLAND AE
EXIST. WETLAND
WETLAND AF
EXIST. WETLAND
SECTION T
288+00.00
LIMITS OF CLEARING
LIMITS OF CLEARING
NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.
EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.
160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160
20
EXISTING PIPE
ARMORING IMPACT
EL 88 FLOODPLAIN BENCH AREA
EXCAVATION IMPACT
PERMANENT FILL IMPACT
SCDOT
WET AE, AF, AG, & AH
SHEET 66 OF 89

SCDOT
WET AG
SHEET 67 OF 89
EXCAVATION IMPACT
PERMANENT FILL IMPACT
ARMORING IMPACT
FLOODPLAIN BENCH AREA
EXISTING PIPE
NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.
EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.
SECTION V
301+00.00
WETLAND AG
EXIST. WETLAND
EXIST. WETLAND
50
40
30
20
0
20
40
60
80
100
120
140
160



NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.

EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.

EXISTING PIPE

ARMORING IMPACT

FLOODPLAIN BENCH AREA

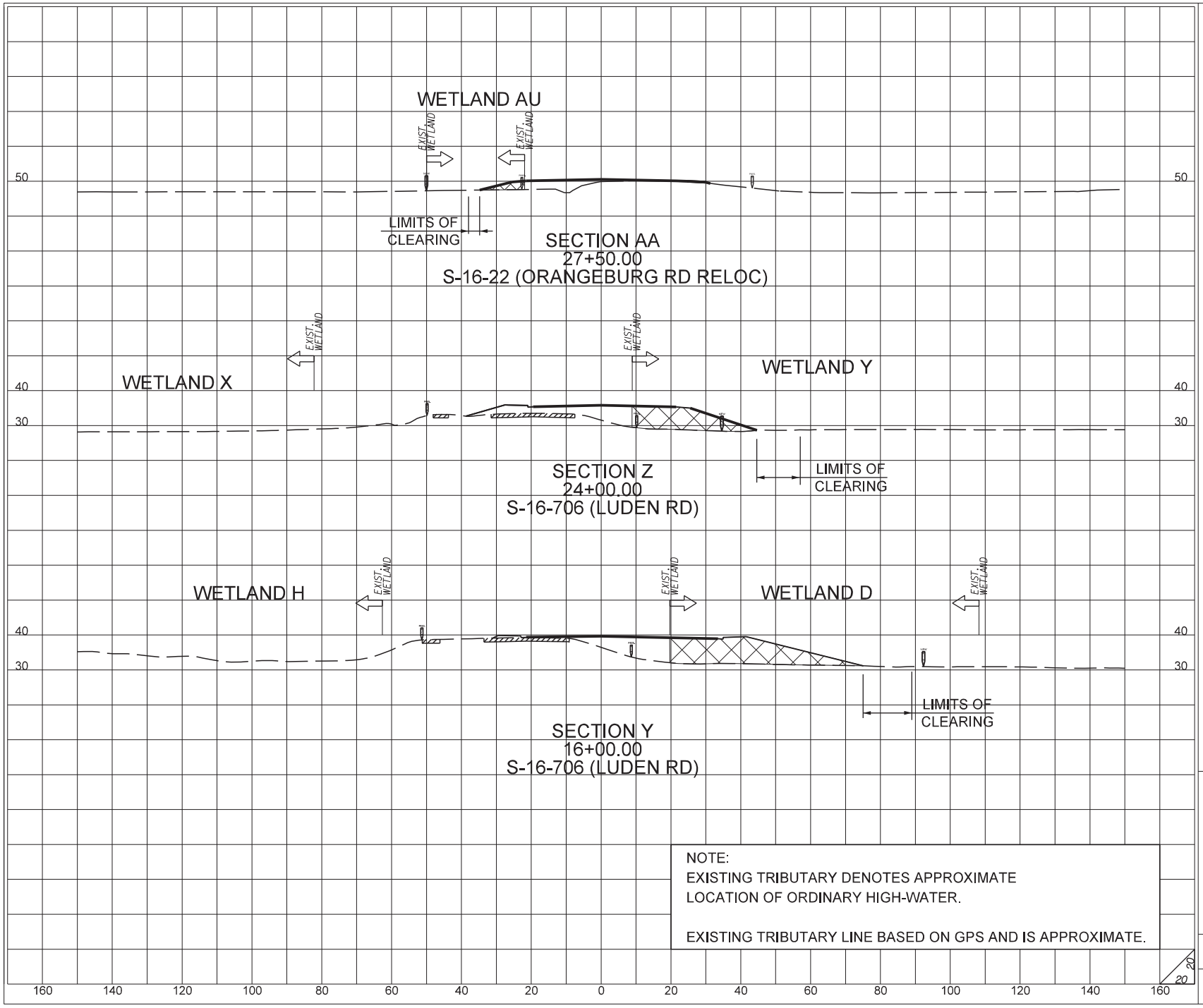
EXCAVATION IMPACT

PERMANENT FILL IMPACT

SCDOT

WET W & X

SHEET 68 OF 89



NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.

EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.

EXISTING PIPE

ARMORING IMPACT

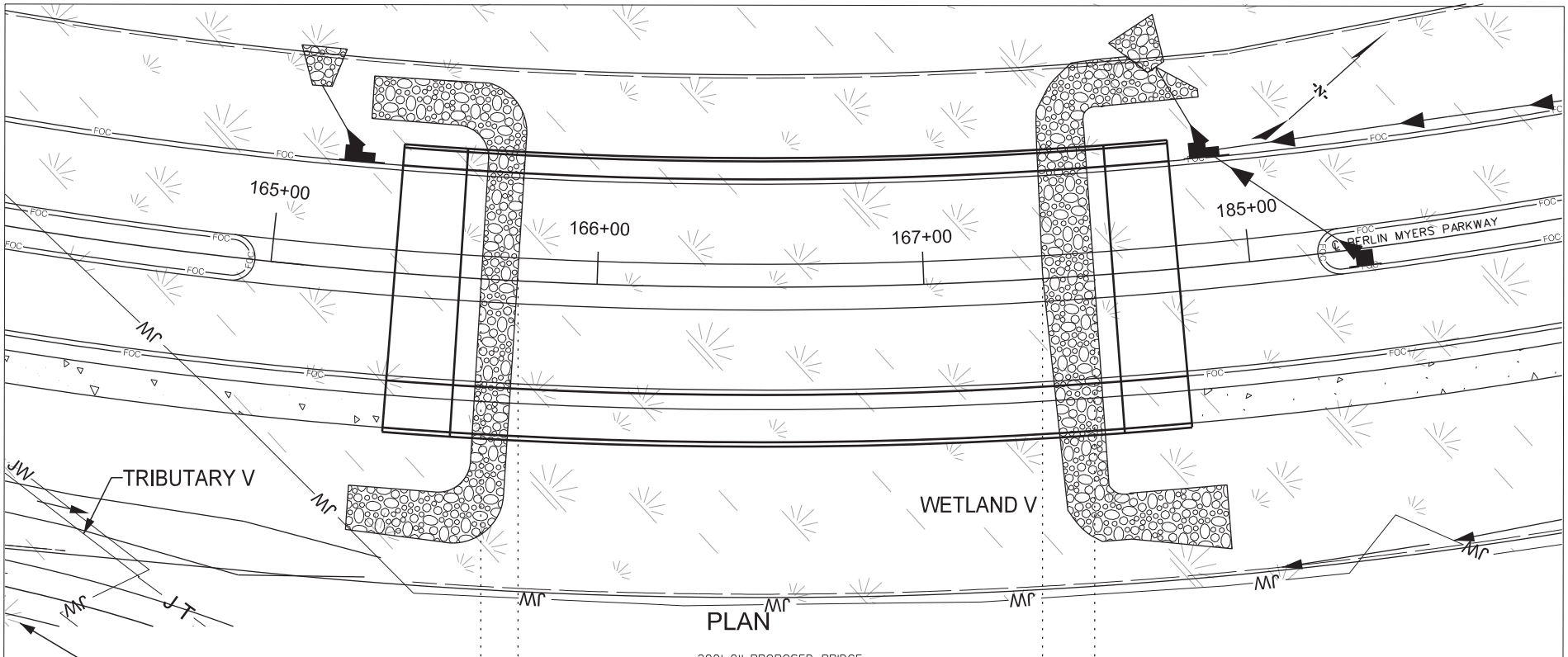
FLOODPLAIN BENCH AREA

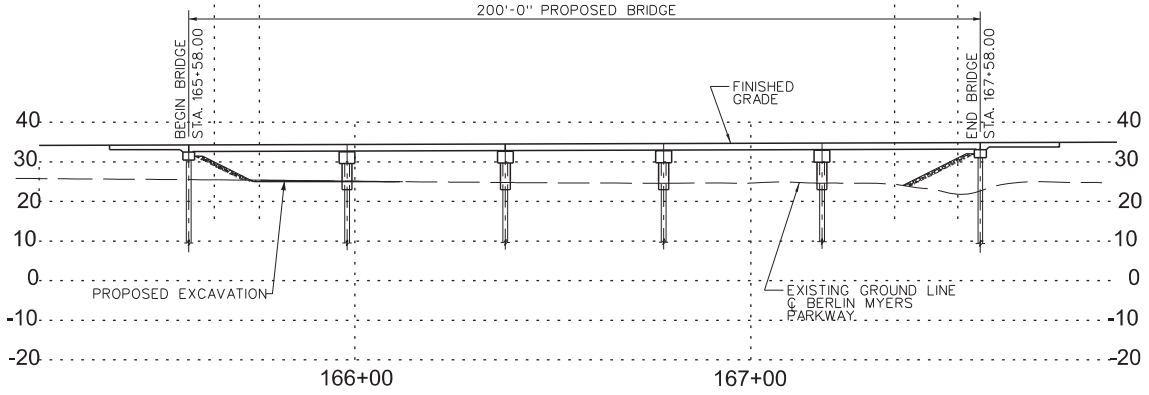
EXCAVATION IMPACT

PERMANENT FILL IMPACT

SCDOT

WET H,D, X,Y & AU





SECTION ALONG ℄ BERLIN MYERS PARKWAY

0 50

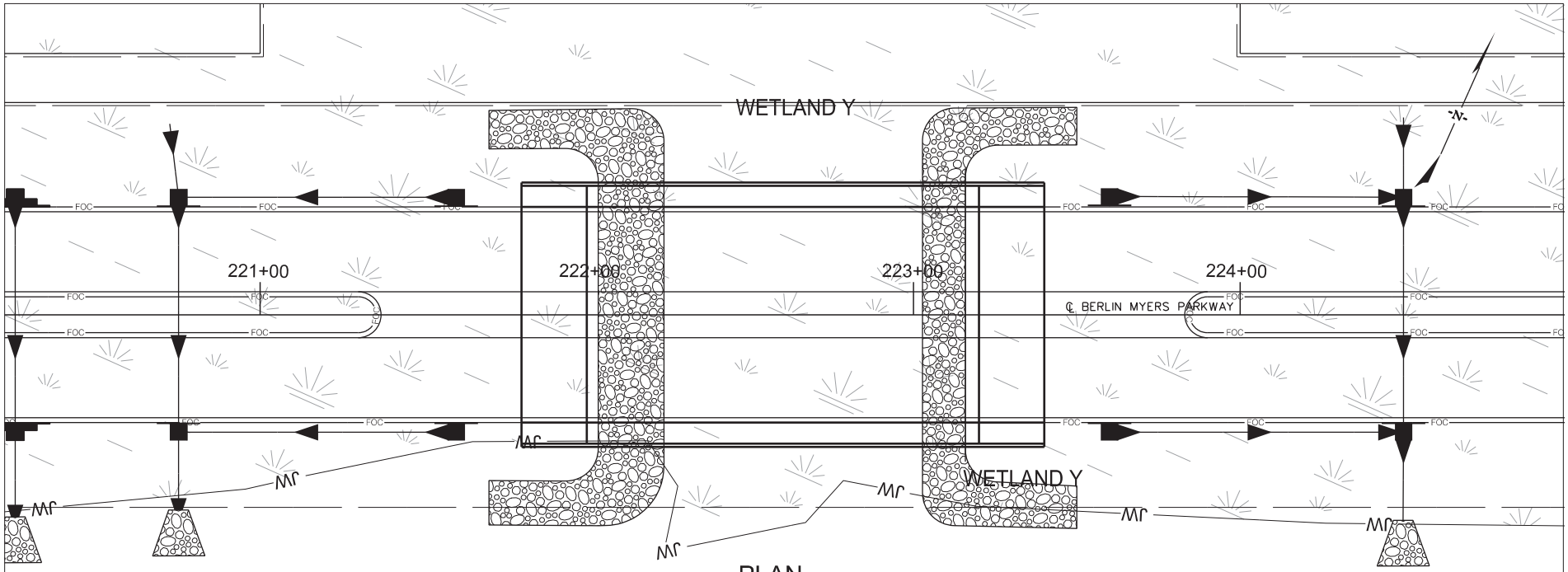
LEGEND

- EXISTING PAVEMENT
- SIDEWALK
- WETLAND
- REMOVAL OF EXISTING GROUND
- PIPES
- LIMITS OF DISTURBANCE

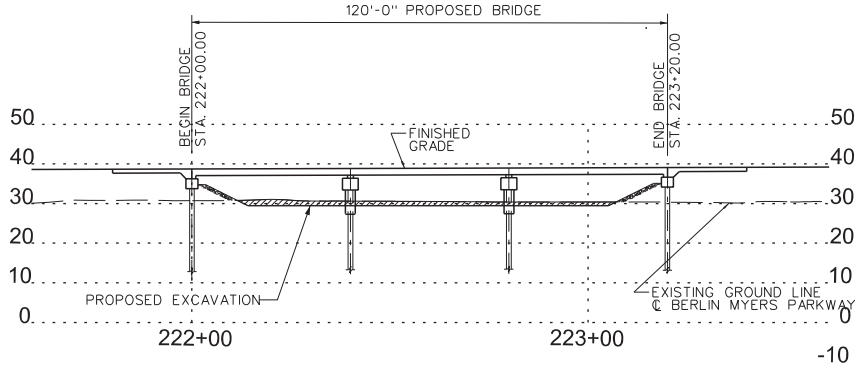
BERLIN MYERS PARKWAY
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021

SCDOT

BMP BRIDGE NO. 1



PLAN



SECTION ALONG ℄ BERLIN MYERS PARKWAY

0 50

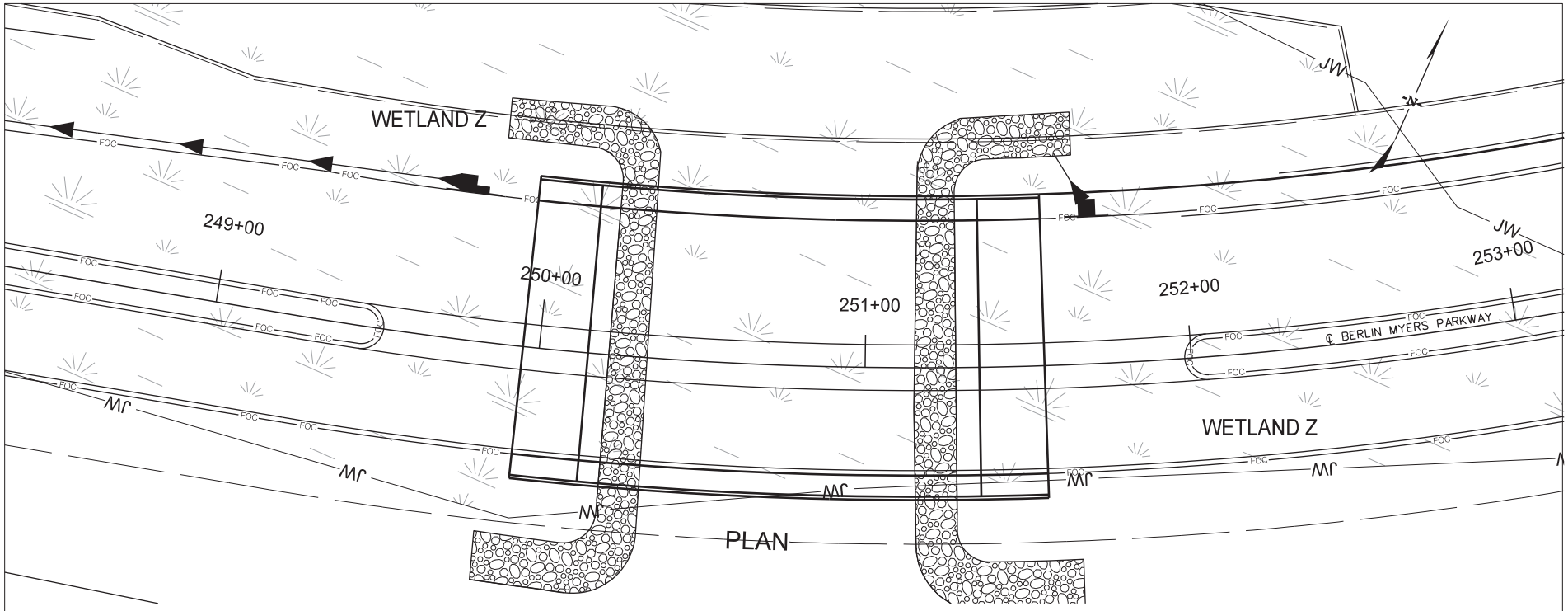
LEGEND

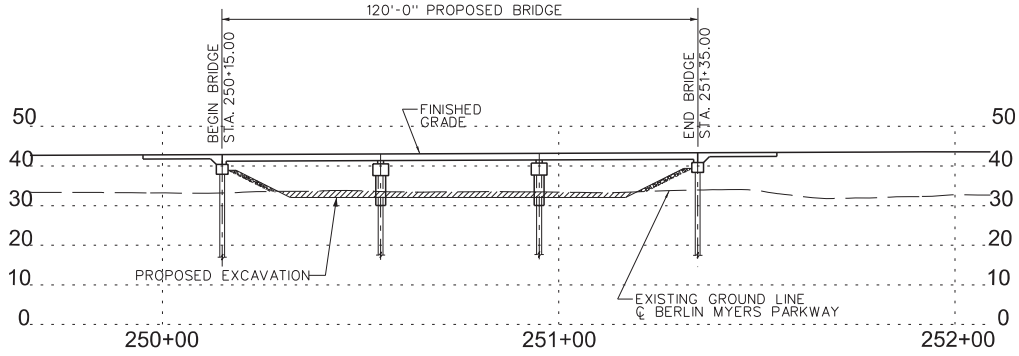
- EXISTING PAVEMENT
- SIDEWALK
- WETLAND
- REMOVAL OF EXISTING GROUND
- PIPES
- LIMITS OF DISTURBANCE

BERLIN MYERS PARKWAY
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021

SCDOT

BMP BRIDGE NO. 2





SECTION ALONG ℄ BERLIN MYERS PARKWAY

0 50

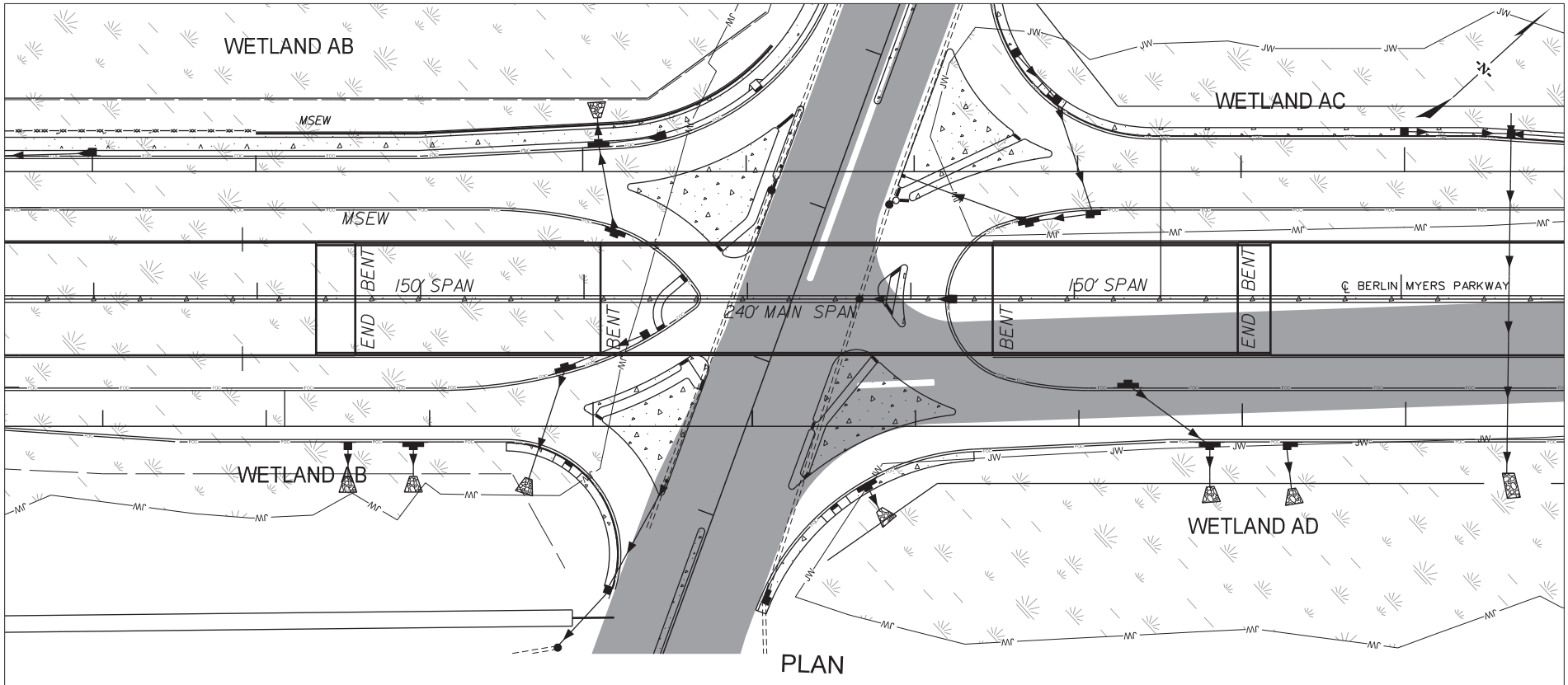
LEGEND

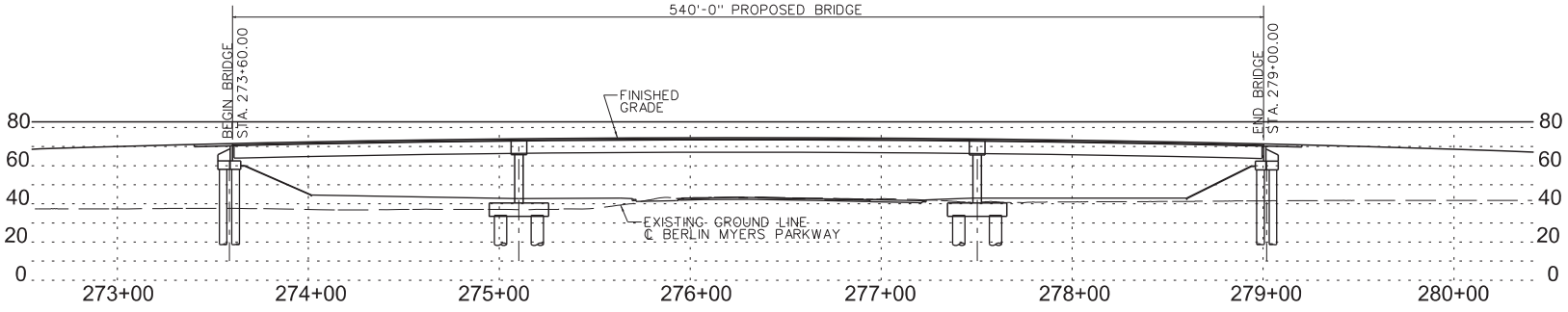
- EXISTING PAVEMENT
- SIDEWALK
- WETLAND
- REMOVAL OF EXISTING GROUND
- PIPES
- LIMITS OF DISTURBANCE

BERLIN MYERS PARKWAY
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021

SCDOT

BMP BRIDGE NO. 3





SECTION ALONG ℄ BERLIN MYERS PARKWAY

0 100

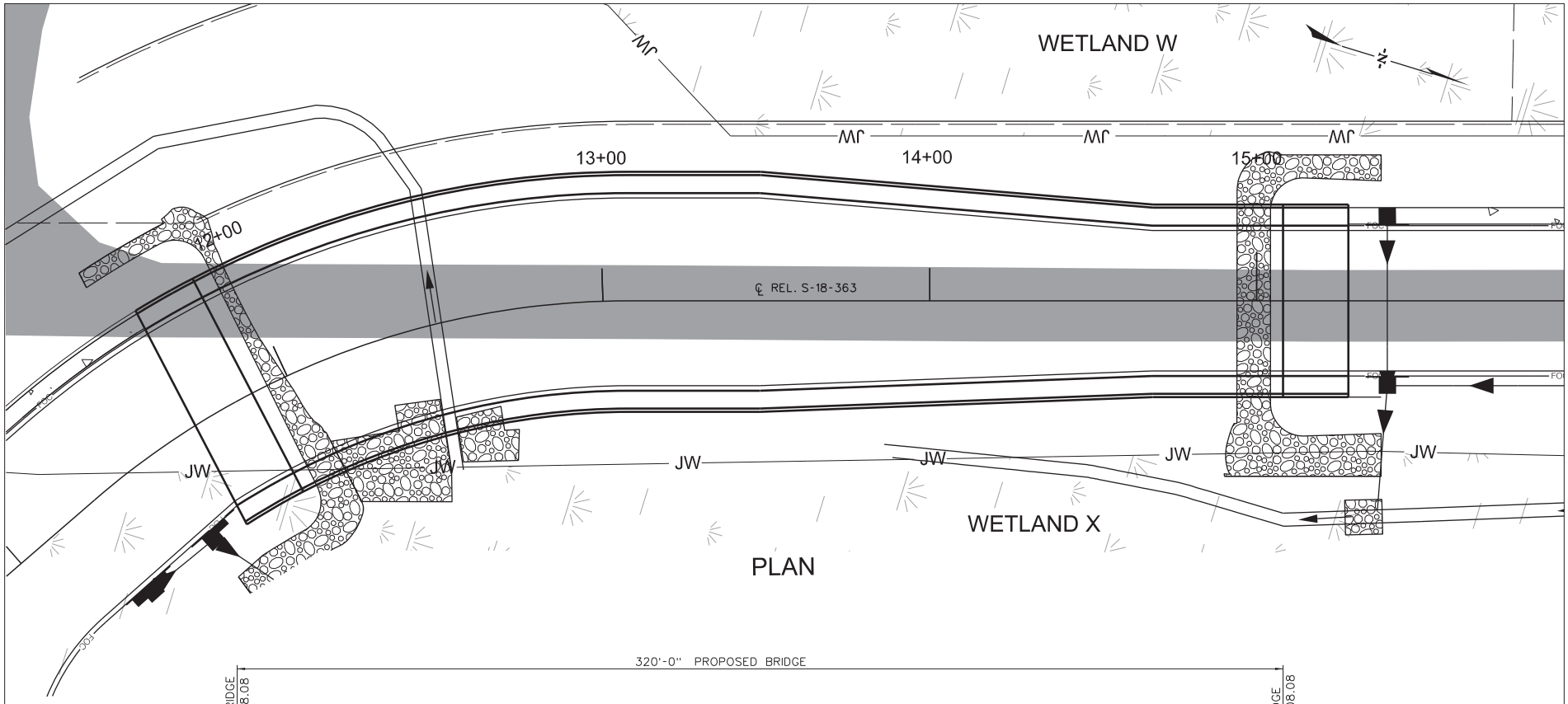
LEGEND

- EXISTING PAVEMENT
- SIDEWALK
- WETLAND
- RIP RAP PAD
- REMOVAL OF EXISTING GROUND
- PIPES
- LIMITS OF DISTURBANCE

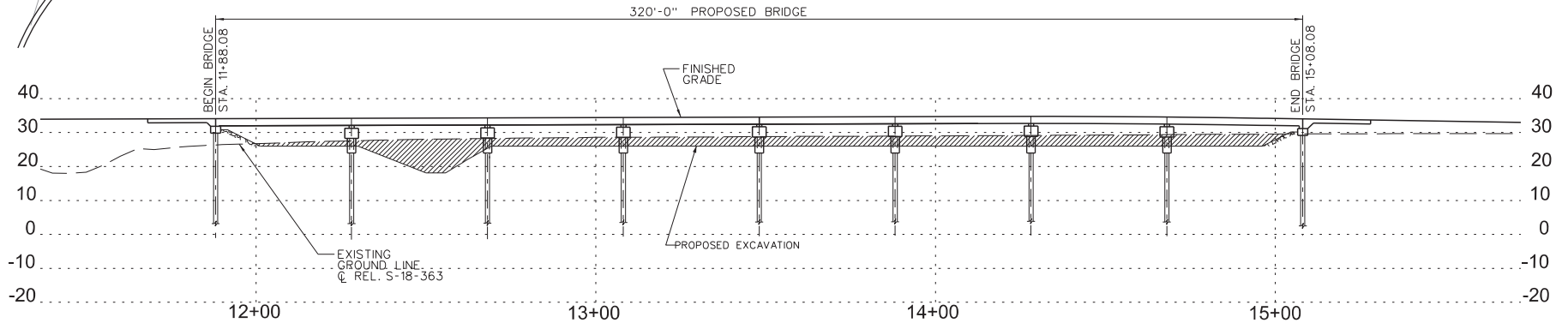
BERLIN MYERS PARKWAY (PHASE 3)
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021

SCDOT

BRIDGE OVER EAST CAROLINA AVE.



PLAN



SECTION ALONG ℄ REL. S-18-363

0 50

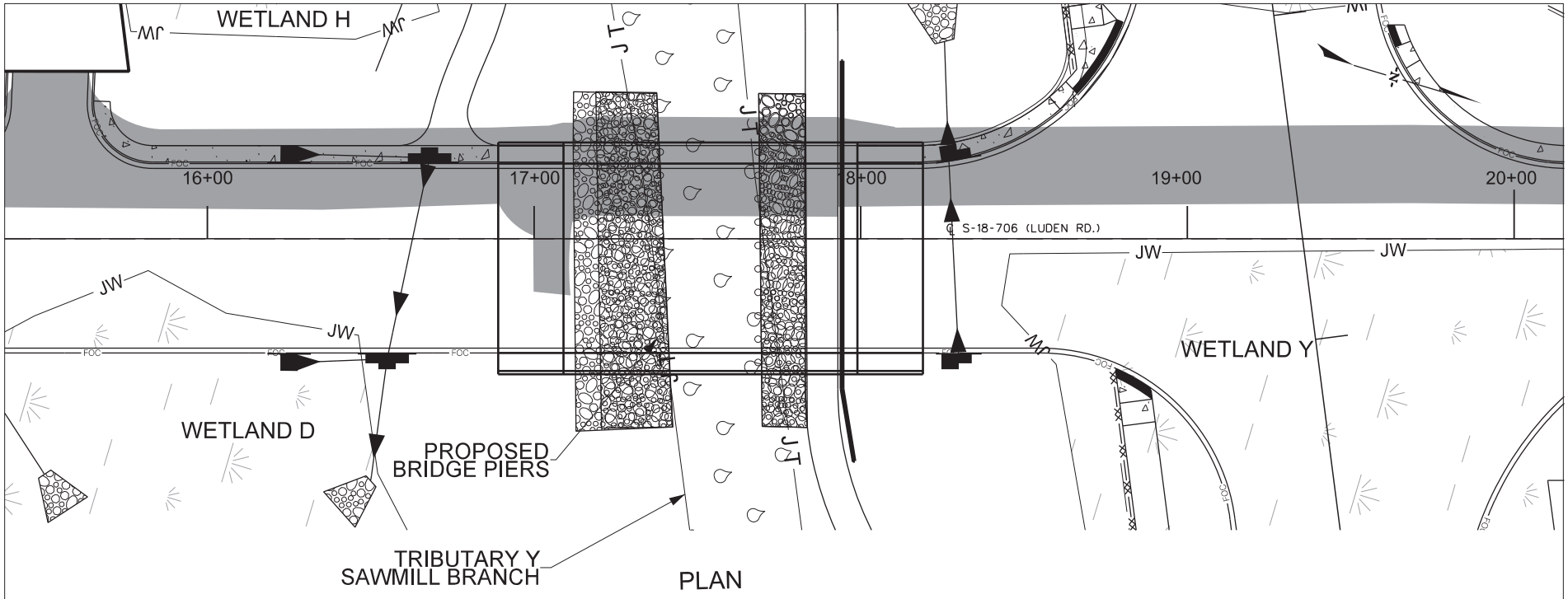
LEGEND

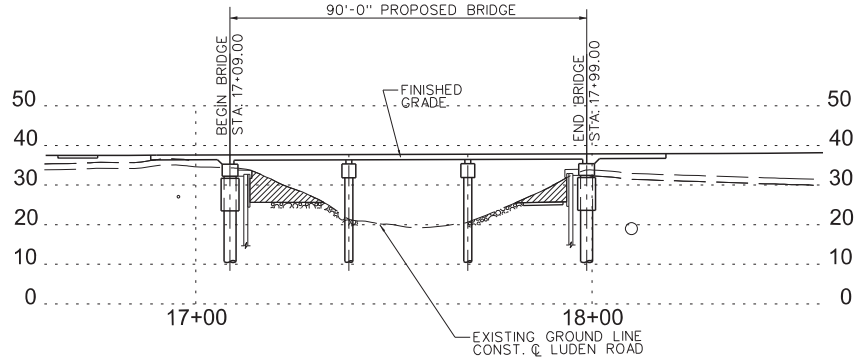
- EXISTING PAVEMENT
- SIDEWALK
- WETLAND
- REMOVAL OF EXISTING GROUND
- PIPES
- LIMITS OF DISTURBANCE

BERLIN MYERS PARKWAY
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021

SCDOT

GREENWAVE BRIDGE





SECTION ALONG ℄ S-18-706 (LUDEN RD.)

0 50

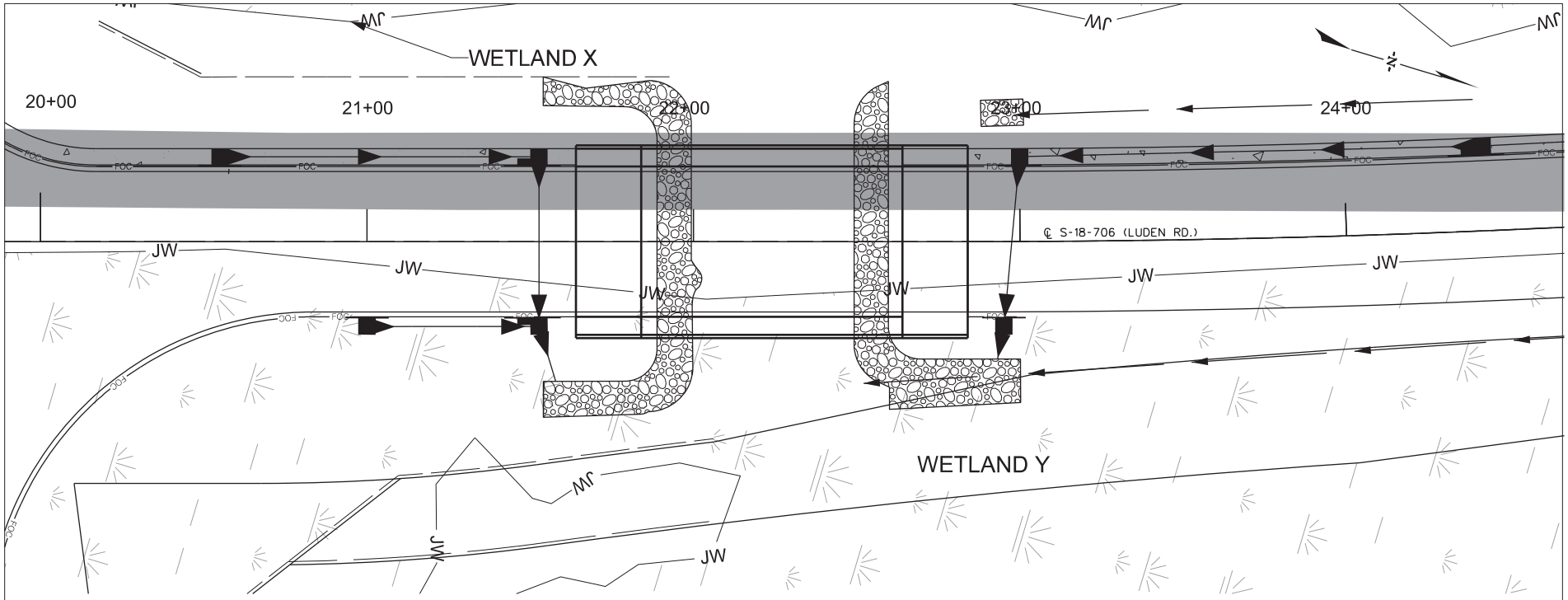
LEGEND

- EXISTING PAVEMENT
- SIDEWALK
- WETLAND
- REMOVAL OF EXISTING GROUND
- PIPES
- LIMITS OF DISTURBANCE

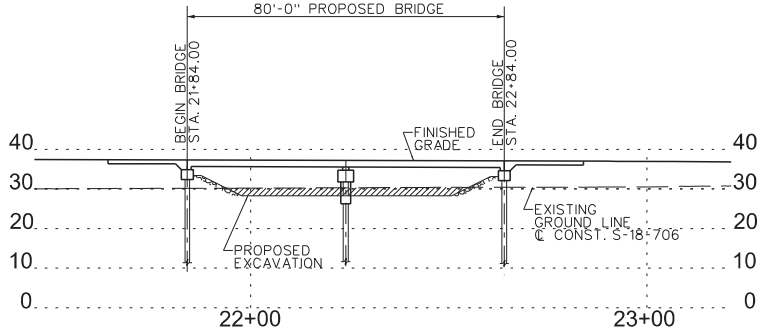
BERLIN MYERS PARKWAY
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021

SCDOT

LUDEN BRIDGE OVER SAWMILL BRANCH



PLAN



SECTION ALONG ℄ S-18-706 (LUDEN RD)

0 50

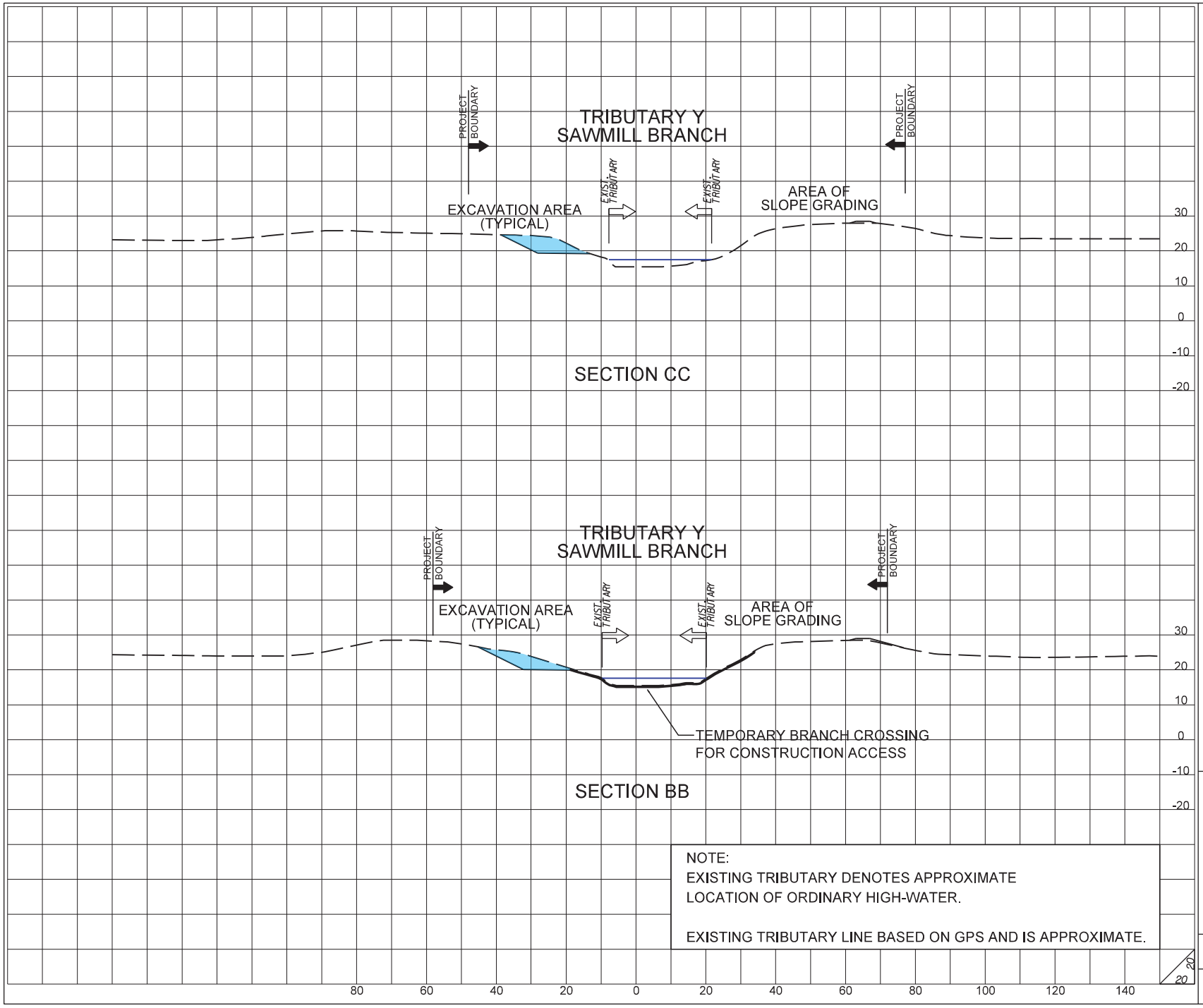
LEGEND

- EXISTING PAVEMENT
- SIDEWALK
- WETLAND
- REMOVAL OF EXISTING GROUND
- PIPES
- LIMITS OF DISTURBANCE

BERLIN MYERS PARKWAY
PIN 23351
DORCHESTER COUNTY, SC
APPLICATION BY SCDOT
ELIGIBLE FOR FEDERAL FUNDS
FEBRUARY 17, 2021

SCDOT

LUDEN ROAD BRIDGE OVER FLOODPLAIN


TRIBUTARY Y
SAWMILL BRANCH
PROJECT BOUNDARY
PROJECT BOUNDARY
EXIST. TRIBUTARY
EXIST. TRIBUTARY
EXCAVATION AREA (TYPICAL)
AREA OF SLOPE GRADING
30
20
10
0
-10
-20
SECTION CC
TRIBUTARY Y
SAWMILL BRANCH
PROJECT BOUNDARY
PROJECT BOUNDARY
EXIST. TRIBUTARY
EXIST. TRIBUTARY
EXCAVATION AREA (TYPICAL)
AREA OF SLOPE GRADING
TEMPORARY BRANCH CROSSING FOR CONSTRUCTION ACCESS
30
20
10
0
-10
-20
SECTION BB
NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.
EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.
80
60
40
20
0
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100
120
140
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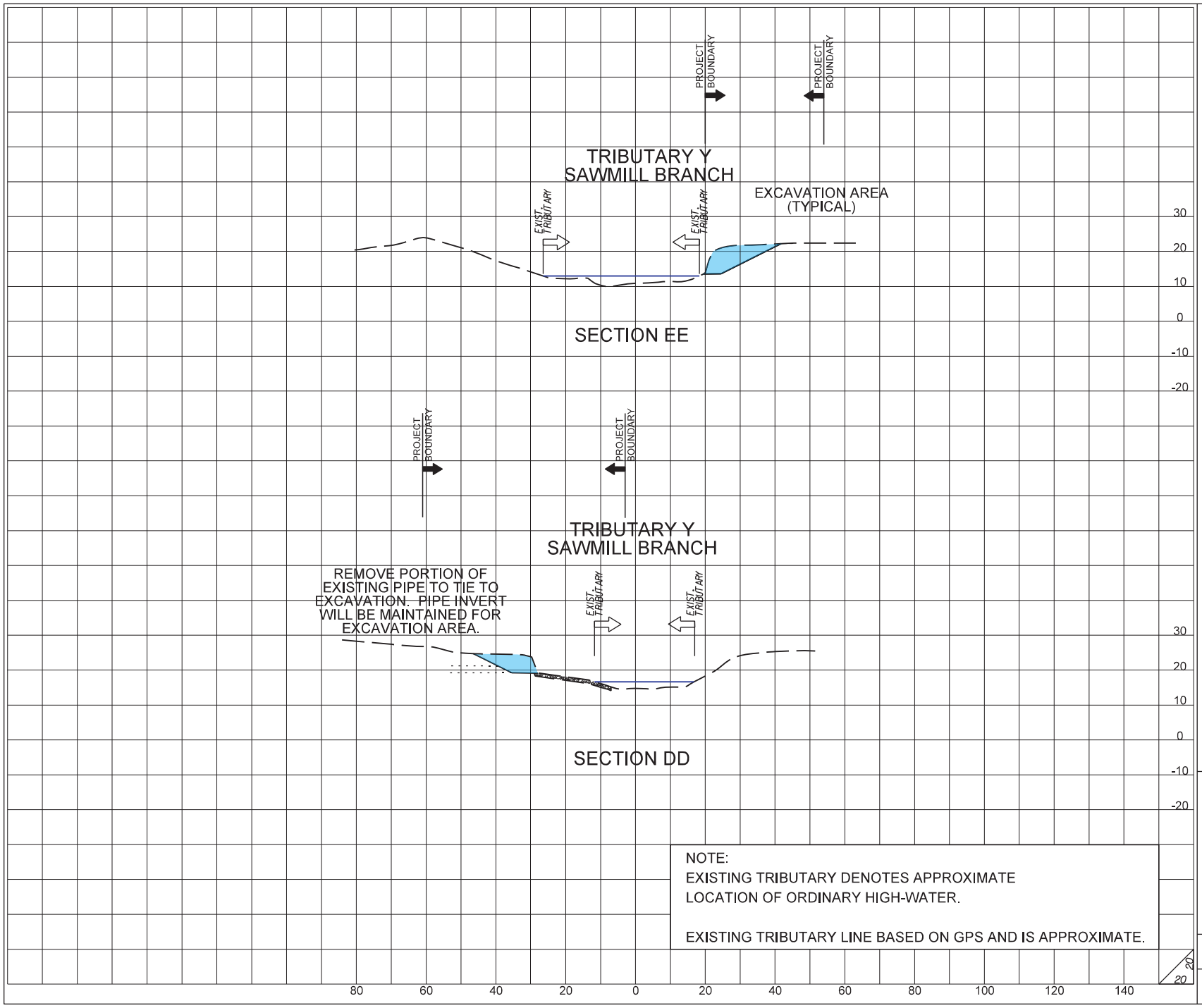
EXISTING PIPE
ORDINARY HIGH–WATER
ARMORING IMPACT
FLOODPLAIN BENCH AREA
EXCAVATION IMPACT
PERMANENT FILL IMPACT
SCDOT
WET Y, Z & A
SHEET 77 OF 89


PROJECT BOUNDARY
PROJECT BOUNDARY
TRIBUTARY Y
SAWMILL BRANCH
EXCAVATION AREA
(TYPICAL)
EXIST TRIBUTARY
EXIST TRIBUTARY
SECTION EE
PROJECT BOUNDARY
PROJECT BOUNDARY
TRIBUTARY Y
SAWMILL BRANCH
REMOVE PORTION OF EXISTING PIPE TO TIE TO EXCAVATION. PIPE INVERT WILL BE MAINTAINED FOR EXCAVATION AREA.
EXIST TRIBUTARY
EXIST TRIBUTARY
SECTION DD
30
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-10
-20
80
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40
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80
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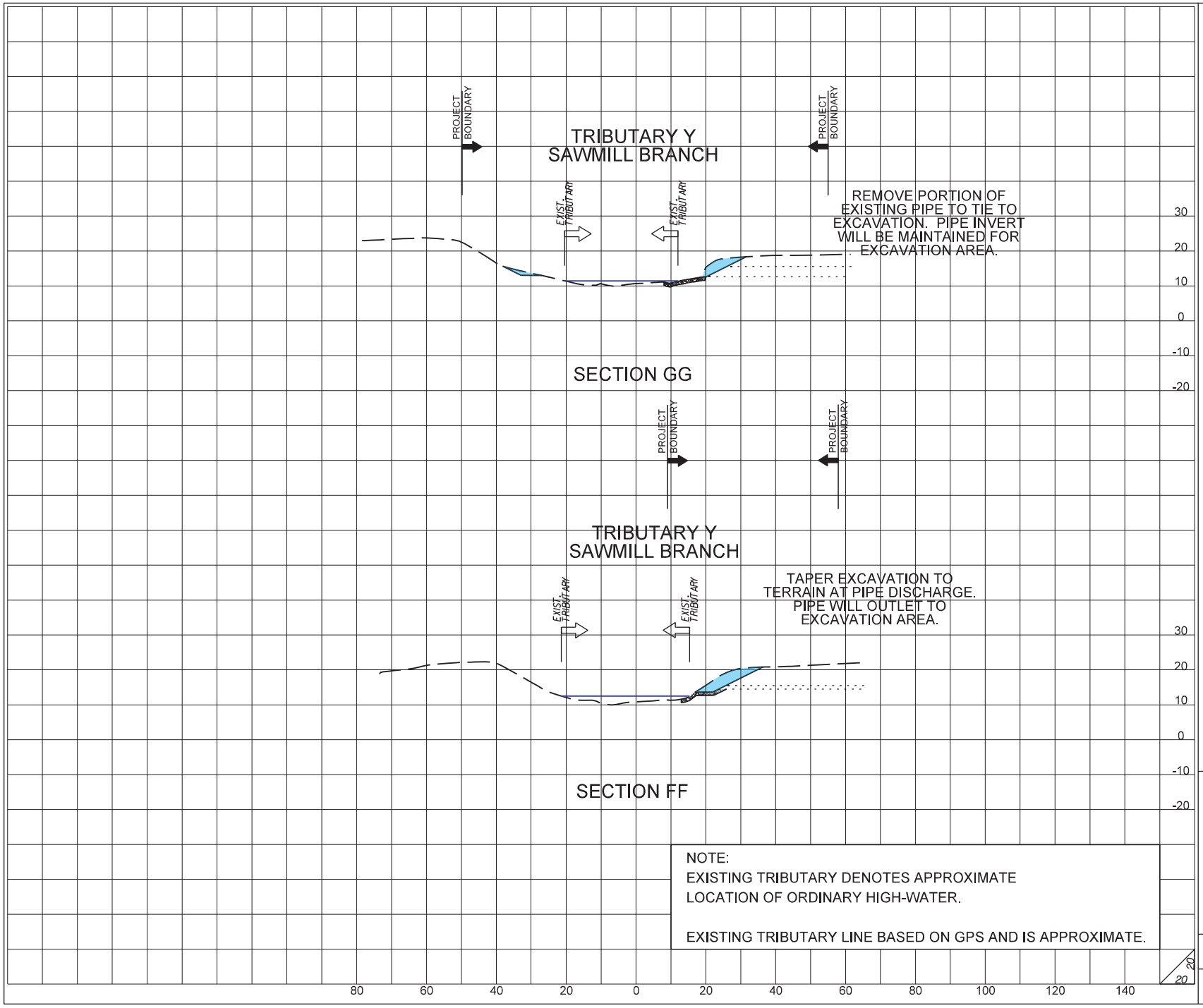
120
140
NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.
EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.
EXISTING PIPE
ORDINARY HIGH–WATER
ARMORING IMPACT
FLOODPLAIN BENCH AREA
EXCAVATION IMPACT
PERMANENT FILL IMPACT
SCDOT
WET Y, Z & A
SHEET 78 OF 89


PROJECT BOUNDARY
TRIBUTARY Y
SAWMILL BRANCH
PROJECT BOUNDARY
EXIST. TRIBUTARY
EXIST. TRIBUTARY
REMOVE PORTION OF EXISTING PIPE TO TIE TO EXCAVATION. PIPE INVERT WILL BE MAINTAINED FOR EXCAVATION AREA.
30
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-20
SECTION GG
PROJECT BOUNDARY
PROJECT BOUNDARY
TRIBUTARY Y
SAWMILL BRANCH
EXIST. TRIBUTARY
EXIST. TRIBUTARY
TAPER EXCAVATION TO TERRAIN AT PIPE DISCHARGE. PIPE WILL OUTLET TO EXCAVATION AREA.
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SECTION FF
80
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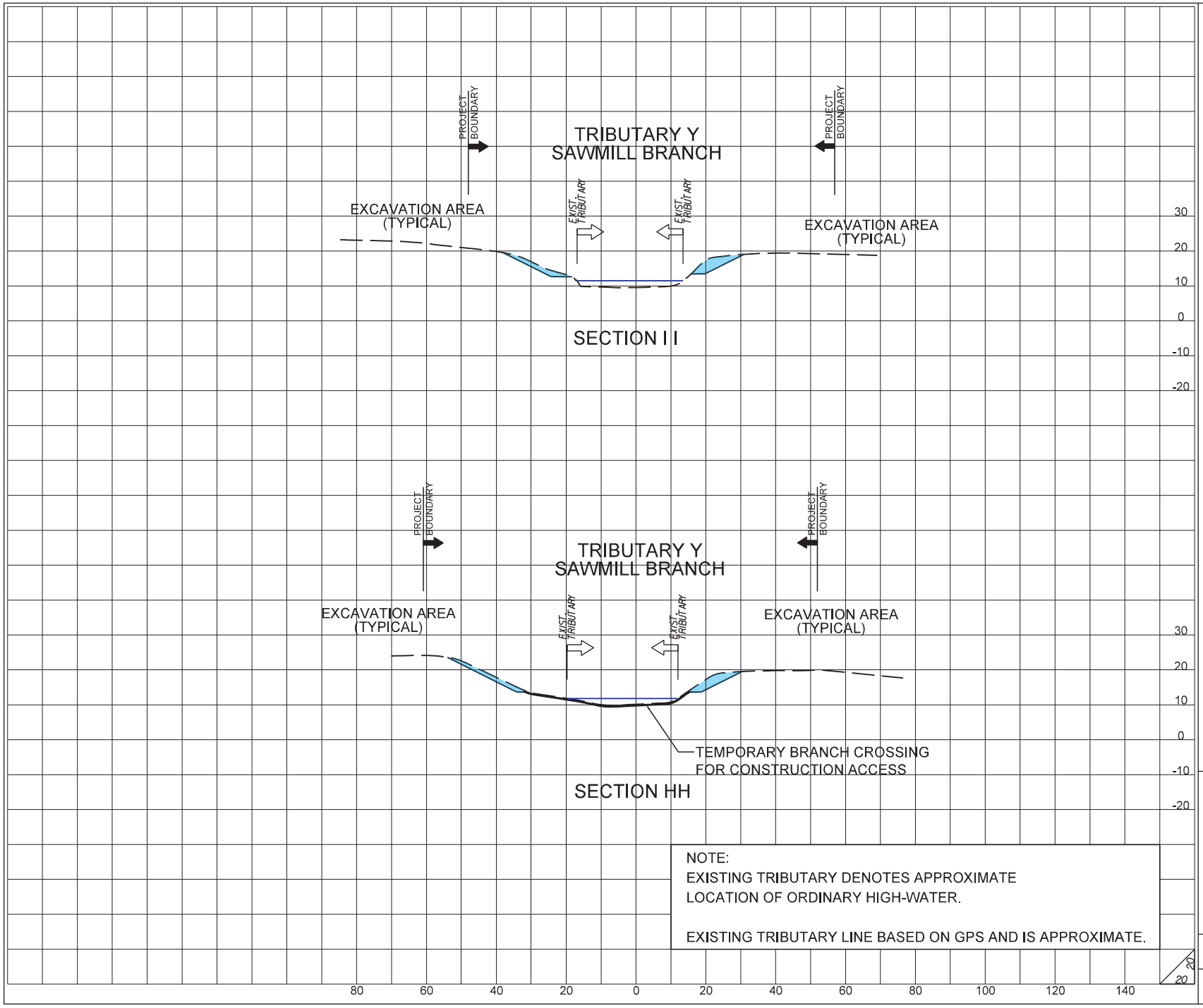
NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.
EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.
EXISTING PIPE
ORDINARY HIGH–WATER
ARMORING IMPACT
FLOODPLAIN BENCH AREA
EXCAVATION IMPACT
PERMANENT FILL IMPACT
SCDOT
WET Y, Z & A
SHEET 79 OF 89


PROJECT BOUNDARY
TRIBUTARY Y
SAWMILL BRANCH
PROJECT BOUNDARY
EXCAVATION AREA (TYPICAL)
EXIST. TRIBUTARY
EXIST. TRIBUTARY
EXCAVATION AREA (TYPICAL)
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SECTION I I
PROJECT BOUNDARY
TRIBUTARY Y
SAWMILL BRANCH
PROJECT BOUNDARY
EXCAVATION AREA (TYPICAL)
EXIST. TRIBUTARY
EXIST. TRIBUTARY
EXCAVATION AREA (TYPICAL)
30
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TEMPORARY BRANCH CROSSING FOR CONSTRUCTION ACCESS
SECTION HH
NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.
EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.
80
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80
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120
140
20
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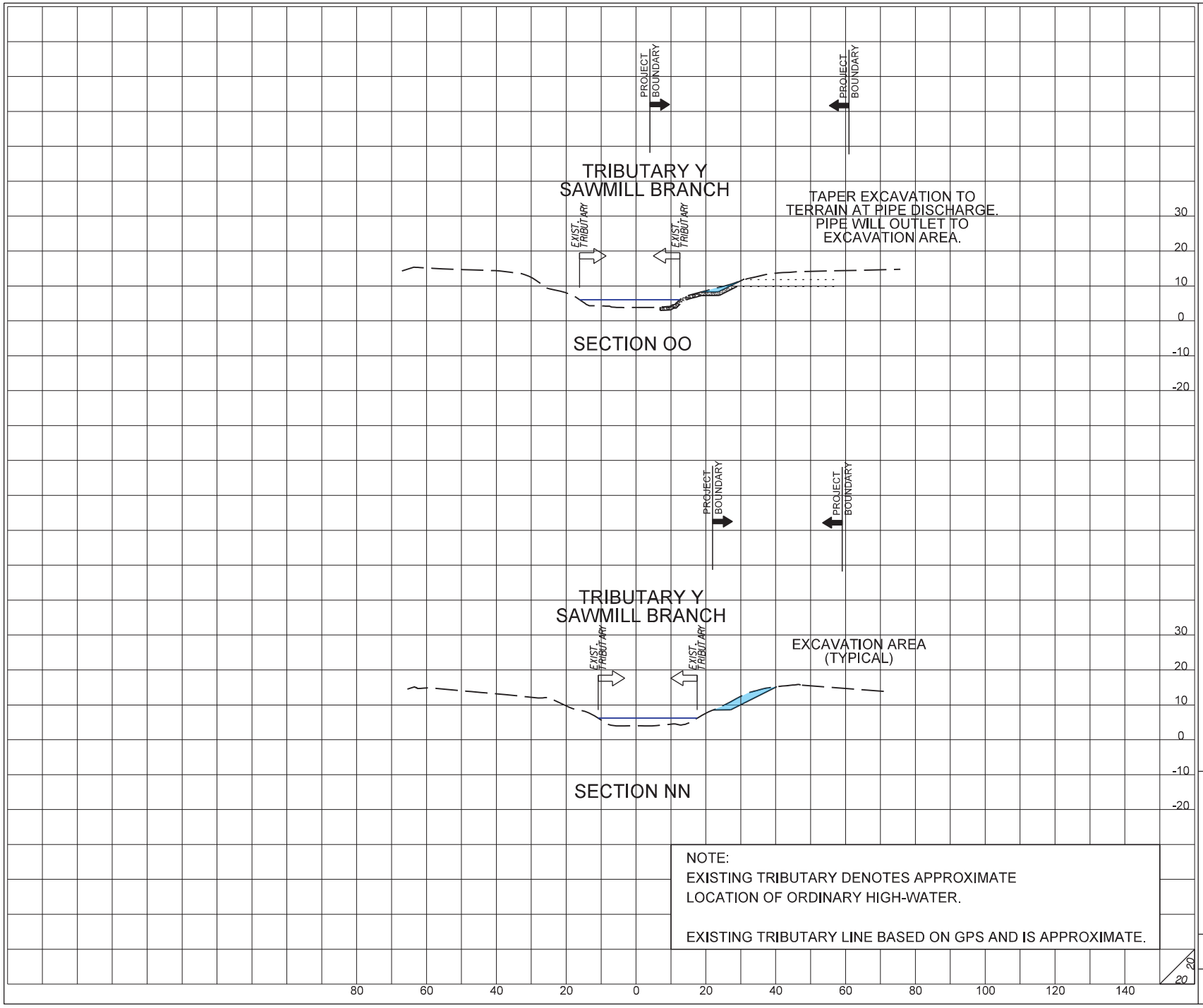
EXISTING PIPE
ORDINARY HIGH–WATER
ARMORING IMPACT
FLOODPLAIN BENCH AREA
EXCAVATION IMPACT
PERMANENT FILL IMPACT
SCDOT
WET Y, Z & A
SHEET 80 OF 89

SCDOT
WET Y, Z & A
SHEET 81 OF 89
EXCAVATION IMPACT
PERMANENT FILL IMPACT
ARMORING IMPACT
FLOODPLAIN BENCH AREA
EXISTING PIPE
ORDINARY HIGH-WATER
NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.
EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.
SECTION KK
TRIBUTARY Y
SAWMILL BRANCH
EXCAVATION AREA (TYPICAL)
EXIST. TRIBUT ARY
PROJECT BOUNDARY
SECTION JJ
TRIBUTARY Y
SAWMILL BRANCH
RETAIN EXISTING PIPE AND PIPE OUTLET LOCATION. TIE GRADING FOR EXCAVATION TO TOP OF PIPE.
EXIST. TRIBUT ARY
PROJECT BOUNDARY

SCDOT
WET Y, Z & A
SHEET 82 OF 89
EXCAVATION IMPACT
PERMANENT FILL IMPACT
ARMORING IMPACT
FLOODPLAIN BENCH AREA
EXISTING PIPE
ORDINARY HIGH-WATER
SECTION MM
SECTION LL
TRIBUTARY Y SAWMILL BRANCH
EXCAVATION AREA (TYPICAL)
PROJECT BOUNDARY
EXIST. TRIBUT ARY
TAPER EXCAVATION TO TERRAIN AT PIPE DISCHARGE. PIPE WILL OUTLET AT EXISTING GRADE.
NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.
EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.


PROJECT BOUNDARY
PROJECT BOUNDARY
TRIBUTARY Y
SAWMILL BRANCH
TAPER EXCAVATION TO
TERRAIN AT PIPE DISCHARGE.
PIPE WILL OUTLET TO
EXCAVATION AREA.
EXIST. TRIBUTARY
EXIST. TRIBUTARY
SECTION OO
PROJECT BOUNDARY
PROJECT BOUNDARY
TRIBUTARY Y
SAWMILL BRANCH
EXCAVATION AREA
(TYPICAL)
EXIST. TRIBUTARY
EXIST. TRIBUTARY
SECTION NN
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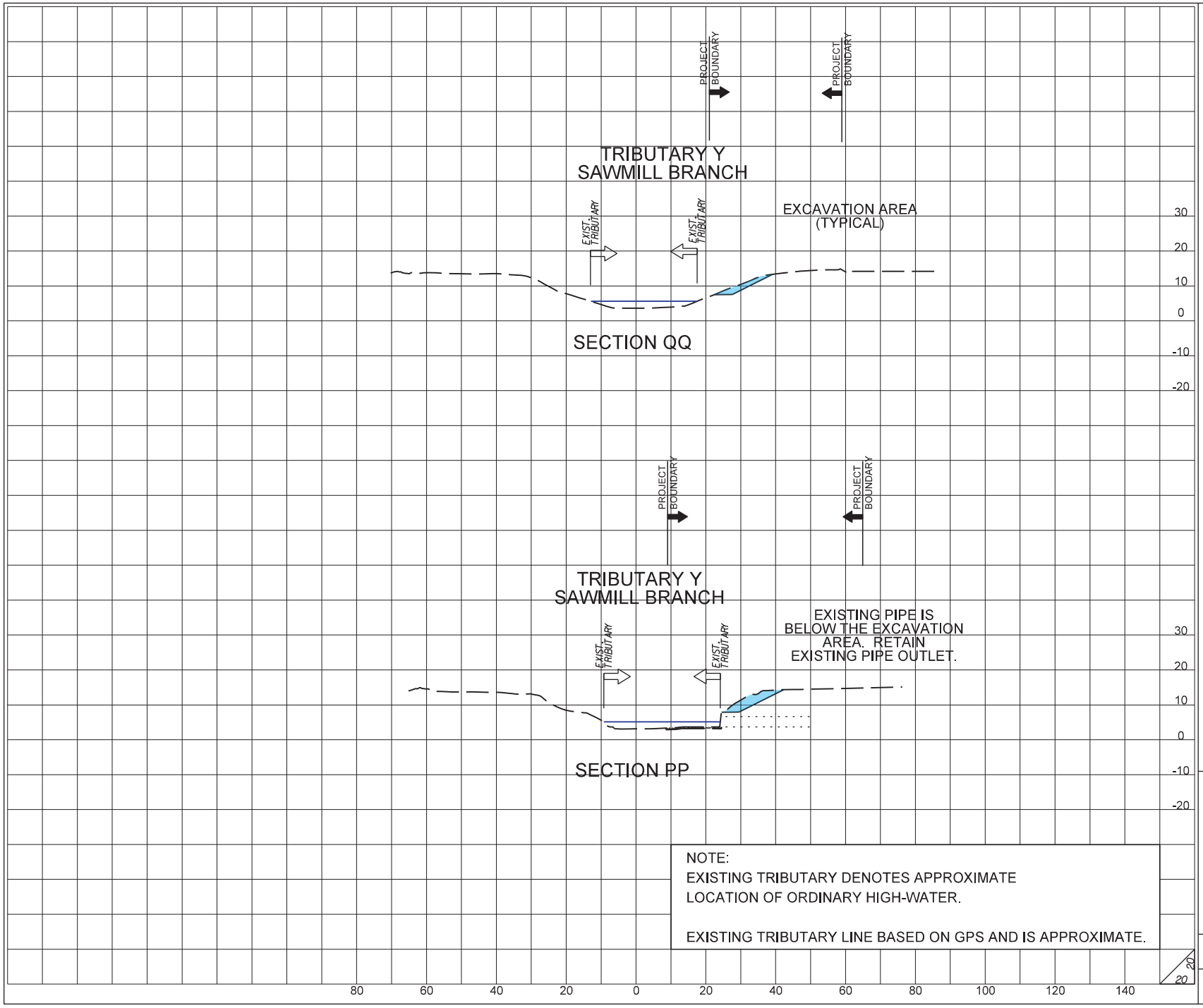
NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE
LOCATION OF ORDINARY HIGH-WATER.
EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.
EXISTING PIPE
ORDINARY HIGH–WATER
ARMORING IMPACT
FLOODPLAIN BENCH AREA
EXCAVATION IMPACT
PERMANENT FILL IMPACT
SCDOT
WET Y, Z & A
SHEET 83 OF 89


PROJECT BOUNDARY
PROJECT BOUNDARY
TRIBUTARY Y
SAWMILL BRANCH
EXCAVATION AREA
(TYPICAL)
EXIST. TRIBUTARY
EXIST. TRIBUTARY
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SECTION QQ
PROJECT BOUNDARY
PROJECT BOUNDARY
TRIBUTARY Y
SAWMILL BRANCH
EXISTING PIPE IS
BELOW THE EXCAVATION
AREA. RETAIN
EXISTING PIPE OUTLET.
EXIST. TRIBUTARY
EXIST. TRIBUTARY
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SECTION PP
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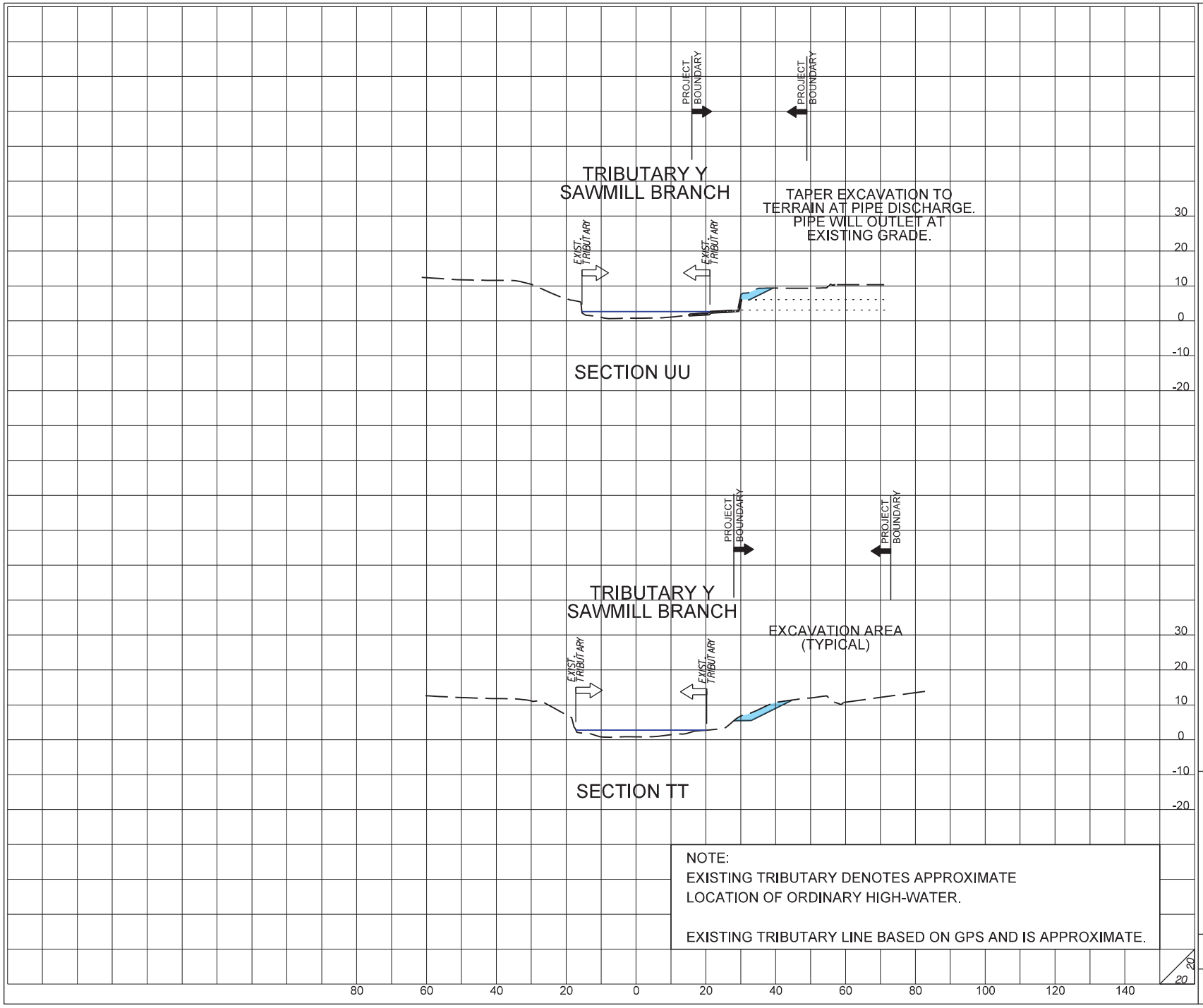
NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE
LOCATION OF ORDINARY HIGH-WATER.
EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.
EXISTING PIPE
ORDINARY HIGH–WATER
ARMORING IMPACT
FLOODPLAIN BENCH AREA
EXCAVATION IMPACT
PERMANENT FILL IMPACT
SCDOT
WET Y, Z & A
SHEET 84 OF 89

SCDOT
WET Y, Z & A
SHEET 85 OF 89
EXCAVATION IMPACT
PERMANENT FILL IMPACT
ARMORING IMPACT
FLOODPLAIN BENCH AREA
EXISTING PIPE
ORDINARY HIGH-WATER
NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.
EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.
SECTION SS
SECTION RR
TRIBUTARY Y SAWMILL BRANCH
EXCAVATION AREA (TYPICAL)
EXISTING PIPE IS BELOW THE EXCAVATION AREA. EXTEND EXISTING PIPE OUTLET AND MAINTAIN PIPE ELEVATION.
PROJECT BOUNDARY
EXIST. TRIBUT ARY


PROJECT BOUNDARY
PROJECT BOUNDARY
TRIBUTARY Y
SAWMILL BRANCH
TAPER EXCAVATION TO TERRAIN AT PIPE DISCHARGE. PIPE WILL OUTLET AT EXISTING GRADE.
EXIST. TRIBUTARY
EXIST. TRIBUTARY
SECTION UU
PROJECT BOUNDARY
PROJECT BOUNDARY
TRIBUTARY Y
SAWMILL BRANCH
EXCAVATION AREA (TYPICAL)
EXIST. TRIBUTARY
EXIST. TRIBUTARY
SECTION TT
30
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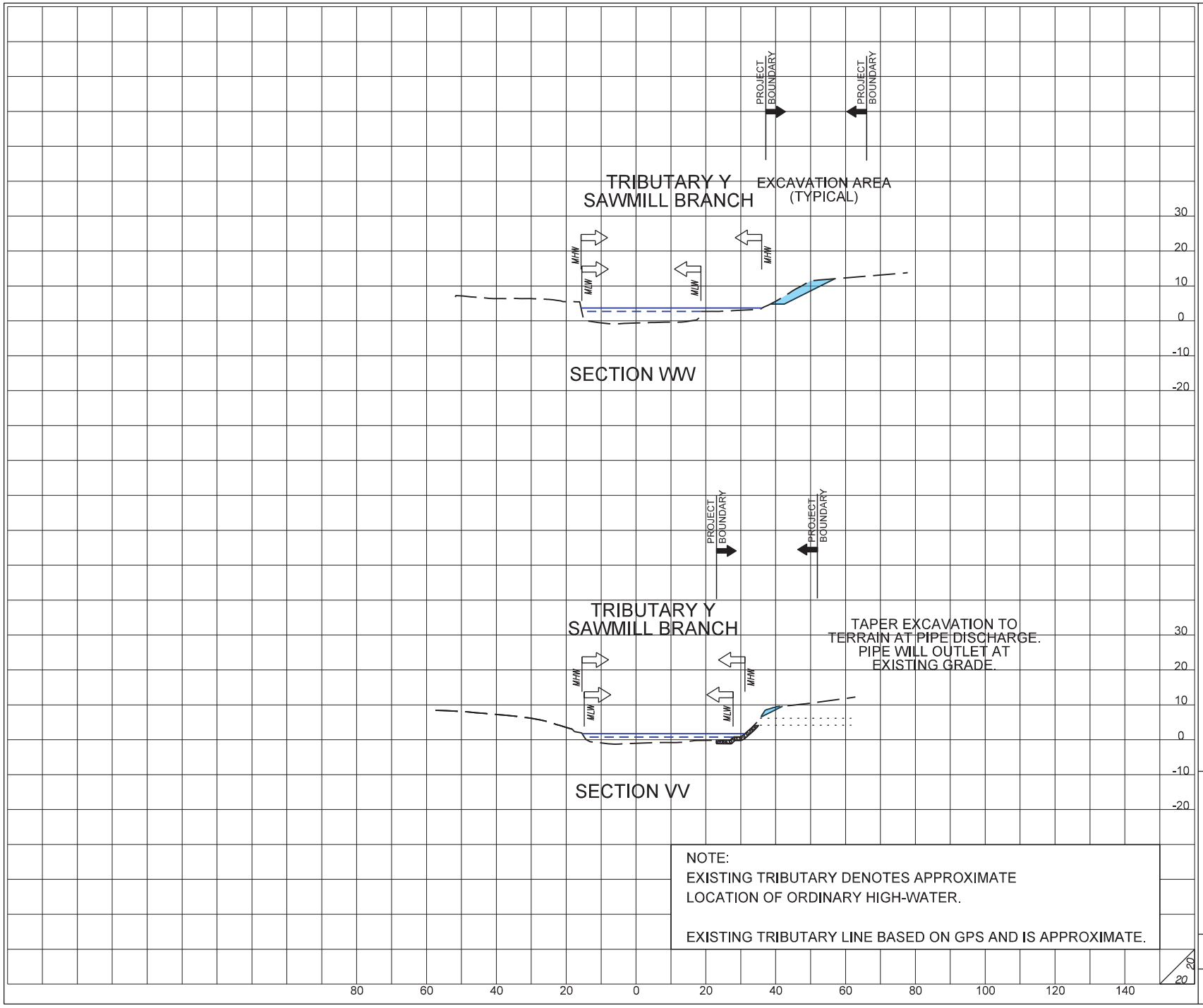
NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.
EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.
EXISTING PIPE
ORDINARY HIGH–WATER
ARMORING IMPACT
FLOODPLAIN BENCH AREA
EXCAVATION IMPACT
PERMANENT FILL IMPACT
SCDOT
WET Y, Z & A
SHEET 86 OF 89



NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.

EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.

EXISTING PIPE

MEAN HIGH–WATER

MEAN LOW–WATER

ARMORING IMPACT

FLOODPLAIN BENCH AREA

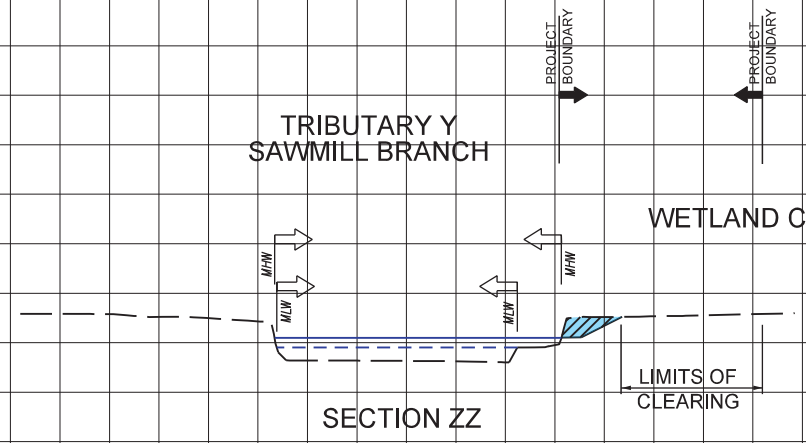
EXCAVATION IMPACT

PERMANENT FILL IMPACT

SCDOT

WET Y, Z & A

SCDOT
WET Y, Z & A
SHEET 88 OF 89
EXCAVATION IMPACT
PERMANENT FILL IMPACT
ARMORING IMPACT
FLOODPLAIN BENCH AREA
EXISTING PIPE
MEAN HIGH-WATER
MEAN LOW-WATER
NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.
EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.
TRIBUTARY Y
SAWMILL BRANCH
PROJECT BOUNDARY
TAPER EXCAVATION TO TERRAIN AT PIPE DISCHARGE. PIPE WILL OUTLET TO EXCAVATION AREA.
SECTION YY
EXCAVATION AREA (TYPICAL)
SECTION XX
MHW
MLW



30
20
10
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-20

80 60 40 20 0 20 40 60 80 100 120 140

NOTE:
EXISTING TRIBUTARY DENOTES APPROXIMATE LOCATION OF ORDINARY HIGH-WATER.

EXISTING TRIBUTARY LINE BASED ON GPS AND IS APPROXIMATE.

EXISTING PIPE
MEAN HIGH-WATER
MEAN LOW-WATER
ARMORING IMPACT
FLOODPLAIN BENCH AREA
EXCAVATION IMPACT
PERMANENT FILL IMPACT

SCDOT

WET Y, Z & A

SHEET 89 OF 89