COON CREEK WATERSHED DISTRICT

Permit Application Review Report
Date: 4/22/2026

Board Meeting Date: 4/27/2026
Agenda Item: 13

Applicant/Landowner:
City of Coon Rapids
Attn: Tim Himmer
11155 Robinson Drive
Coon Rapids, MN 55433

Project Name: SP 0217-36 TH610 and East River Road Interchange

Project PAN: P-25-033

Project Purpose: road reconfiguration including new loop ramps, widening of existing bridges, utility work and associated stormwater treatment features

Project Location: TH610 and East River Road Interchange, Coon Rapids

Site Size: size of disturbed area - 30.98 acres; size of regulated impervious surface - 11.11 acres

Applicable District Rule(s): Rule 2, Rule 3, Rule 4, Rule 5

Recommendation: Approve with 1 Condition and 4 Stipulations

Description: The City of Coon Rapids is proposing the reconstruction and reconfigurations of the Hwy 610 and East River Road interchange. The project will include two new loop ramp entrances, bridge widening, trail realignment and pedestrian underpass, as well as associated stormwater treatment features. The project will disturb 30.98 acres and create 11.11 acres of regulated impervious surface. The relevant water resource concerns are stormwater management, soils and erosion control, and wetlands which correspond to District Rules 3, 4, and 5. See attached Figure 1: Project Location and Figure 2: Site Plan.

Conditions to be Met Before Permit Issuance:

Rule 2.7 – Procedural Requirements

1. Submittal of a performance escrow in the amount of $17,490.00.

Stipulations: The permit will be issued with the following stipulations as conditions of the permit. By accepting the permit, the applicant agrees to these stipulations:

1. The applicant must apply for coverage under the Minnesota Pollution Control Agency's (MPCA's) Construction Stormwater Permit (Permit No: MNR100001).
2. If dewatering is required, provide DNR dewatering permit prior to construction. If a DNR permit is not required, provide well-field location, rates, discharge location, schedule and quantities prior to construction.
3. Completion of post construction infiltration tests on the NE Loop Infiltration Basin and SW Ramp Infiltration Basin by filling the basin to a minimum depth of 6 inches with

water and monitoring the time necessary to drain, or multiple double ring infiltration tests to ASTM standards. The Coon Creek Watershed District shall be notified prior to the test to witness the results.

4. Submittal of as-builts for the stormwater management practices and associated structures listed in Tables 2 and 3, including volume, critical elevations and proof of installation for hydrodynamic separators.

Exhibits:

Exhibit Type	Exhibit Author	Signature Date	Received Date
Joint Application - Exemption Request	SRF	11/05/2025	11/06/2025
Wetland Delineation Report	SRF	10/2023	10/17/2023
Construction Plans	TKDA	03/03/2026	03/23/2026
Soil Borings	Braun Intertec	02/18/2025	03/23/2026
Final Drainage Report	TKDA	02/27/2026	03/23/2026

Findings

Fees and Escrows (Rule 2.7):
The applicant is a government agency and is therefore exempt from an application fee or a review and inspection fee deposit. The applicant will be required to submit a performance escrow in the amount of $17,490.00. This corresponds to a base escrow of $2,000, plus an additional $500/acre of disturbance (30.98 acres of land disturbance proposed).

Stormwater Management (Rule 3.0):
Rule 3.0 applies to the proposed project because it is a public linear project where the sum of the new and fully reconstructed impervious surface equals one or more acres.

The Hydrologic Soil Group (HSG) of soils on site are HSG B.

Rate Control: Peak stormwater flow rate at each point of site discharge does not increase from the pre-development condition for the 24-hour precipitation event with a return frequency of 2-, 10-, 100- years as shown in Table 1. The project will not impact Drainage Sensitive Use areas. The rate control standard is met.

Point of Discharge	2-year (cfs)		10-year (cfs)		100-year (cfs)	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
F	11.6	10.5	17.5	15.8	32.9	30.5
E	3.8	1.9	5.7	2.9	12.5	7.5
D	6.1	6.1	9.2	9.2	18.3	18.3
C	7	5.2	9.9	8.1	17.8	16.2
B	43.9	34.3	67.5	52	127.7	102.7
A	22.1	21.5	33.4	32.5	58.2	56.9

Table 1.

Volume Control: The proposed project is new development; therefore, the volume reduction requirement is equal to 1.1 inches over the area of all impervious surface. The amount of proposed impervious required to be treated is 483,952 ft^2.

The applicant is proposing the Stormwater Management Practices (SMPs) described below:

Drainage Area	Impervious required to be treated (ft^2)	Proposed SMP	TP Removal Factor	Required Water Quality Volume (ft^3)	Water Quality Volume Provided (ft^3)

untreated	135,472	none	0	5,645	0
SW infiltration basin	143,748	infiltration basin	1	5,990	39,640
NE Infiltration Basin	204,732	infiltration basin	1	8,531	27,094
Totals:	**483,952**			**20,165**	**66,734**

Table 2.

The following pretreatment has been provided:

SMP ID	Pretreatment Device/Method	Percent TSS Removal
SW infiltration basin	wet pond	80
SW infiltration basin swale	vegetated swale	80
NE infiltration basin	vegetated swale	91
NE Infiltration Basin	existing catch basin sump	91

Table 3.

Pretreatment is required to be designed such that the device/method provides removal of 80% TSS entering an infiltration or filtration Stormwater Management Practice. The proposed project meets pretreatment requirements as shown in Table 3.

The project provides the total required WQ volume in aggregate, however, 28% of the new/reconstructed impervious is not routed to a BMP (untreated). The applicant has updated the design to route as much impervious to the proposed BMPs as possible. The volume control standard has been met to the maximum extent practicable.

Water Quality: The total Water Quality Volume has been provided in aggregate.

Stormwater treatment on site must remove at least 80% of the average annual post development TSS per discharge location. The following TSS removal has been provided:

Discharge Point	TSS Removal Provided
F	0
E	0
D	100
C	83
B	81
A	0

Table 4.

The TSS removal standard is not met at each discharge point as shown in Table 4. Discharge points A, E and F were reviewed and conflicts with utilities prevented TSS removal at these locations. Discharge point A drains to a regional pond which provides additional treatment.

Discharges to Wetlands: Stormwater from the proposed project is being discharged into the following wetlands.

Wetland ID	**2**
Wetland Type	Slightly Susceptible
Change of Bounce 2-yr (ft)	-0.1
Change of Bounce 10-yr (ft)	-0.1
Change of Inflow Velocity (fps)	0
Change of Inundation on 2-yr (hrs)	0
Change of Inundation on 10-yr (hrs)	0
Change of Run out Control (ft)	0

Wetland ID	**5**
Wetland Type	Slightly Susceptible
Change of Bounce 2-yr (ft)	-0.1
Change of Bounce 10-yr (ft)	-0.1
Change of Inflow Velocity (fps)	0
Change of Inundation on 2-yr (hrs)	10
Change of Inundation on 10-yr (hrs)	13
Change of Run out Control (ft)	0

Wetland ID	**4**
Wetland Type	Slightly Susceptible
Change of Bounce 2-yr (ft)	0
Change of Bounce 10-yr (ft)	0
Change of Inflow Velocity (fps)	0
Change of Inundation on 2-yr (hrs)	0
Change of Inundation on 10-yr (hrs)	2
Change of Run out Control (ft)	0

Wetland ID	**1**
Wetland Type	Moderately Susceptible
Change of Bounce 2-yr (ft)	0.1
Change of Bounce 10-yr (ft)	0.1
Change of Inflow Velocity (fps)	0
Change of Inundation on 2-yr (hrs)	13
Change of Inundation on 10-yr (hrs)	12
Change of Run out Control (ft)	0

Table 5.

The proposed project meets bounce, discharge rate, inundation, and runout control requirements for all wetlands receiving discharge from the site as shown in Table 5.

Landlocked Basins: The proposed drainage system does not outlet to a landlocked basin, therefore this section does not apply.

Low Floor Freeboard: The proposed project is not considered new development with buildings and habitable structures; therefore, this section does not apply.

Maintenance:
Access: Sufficient maintenance access has been provided on the plans for all stormwater management practices.

Easements: All required maintenance easements have been provided on the plans.

Maintenance Agreements: All proposed stormwater management practices will be maintained as part of standard municipal public work activities. Therefore, no maintenance agreement will be required.

Soils and Erosion Control (Rule 4.0)
Rule 4.0 applies to the proposed project because it is a land disturbing activity that requires a permit under another District rule.

Portions of the proposed project drains to Lower Coon Creek and Pleasure Creek. The soils affected by the project includes Zimmerman and has a soil erodibility factor of 0.15 or greater. Disturbed areas are proposed to be stabilized within 7 days, as required. The proposed erosion and sediment control plan includes inlet protection, perimeter control, stabilized construction entrance, and street sweeping. The erosion control plan meets District requirements. The site does require an NPDES permit. See attached Figure 3: Erosion and Sediment Control Plan.

Wetlands (Rule 5.0)
Rule 5.0 applies to the proposed project because it includes activities which result in the filling,

draining, excavating or other altering the hydrology of a wetland.

Wetlands were delineated under PAN P23-033. The boundary and type application was reviewed and approved. The Notice of Decision was issued on 10/20/2023.

The applicant submitted a joint application form requesting an Exemption decision on 11/06/2025. The application was noticed to the TEP on 1/24/2025. Wetland impacts are proposed through cut and fill in 2 locations. The applicant has provided an alternatives analysis which discusses wetland impact avoidance, minimization, and mitigation. A wetland impact summary is outlined below.

Wetland ID	Impact Type (F/D/E)	Impacts (sf)	Impact Duration (T/P)	Replacement Ratio	Required Mitigation (sf)
5	Excavation	31	Permanent	1:1	0
4	Fill	1306	Permanent	1:1	0

Table 6.

The TEP agrees that the proposed project meets the requirements for an Exemption under MS 103G.2241 Subdivision 9. The Notice of Decision was issued on 12/18/2026. See attached Figure 4: Wetland Impacts.

Floodplain (Rule 6.0)
The proposed project does not include land disturbing activities within the floodplain as mapped and modeled by the District. Rule 6.0 does not apply.

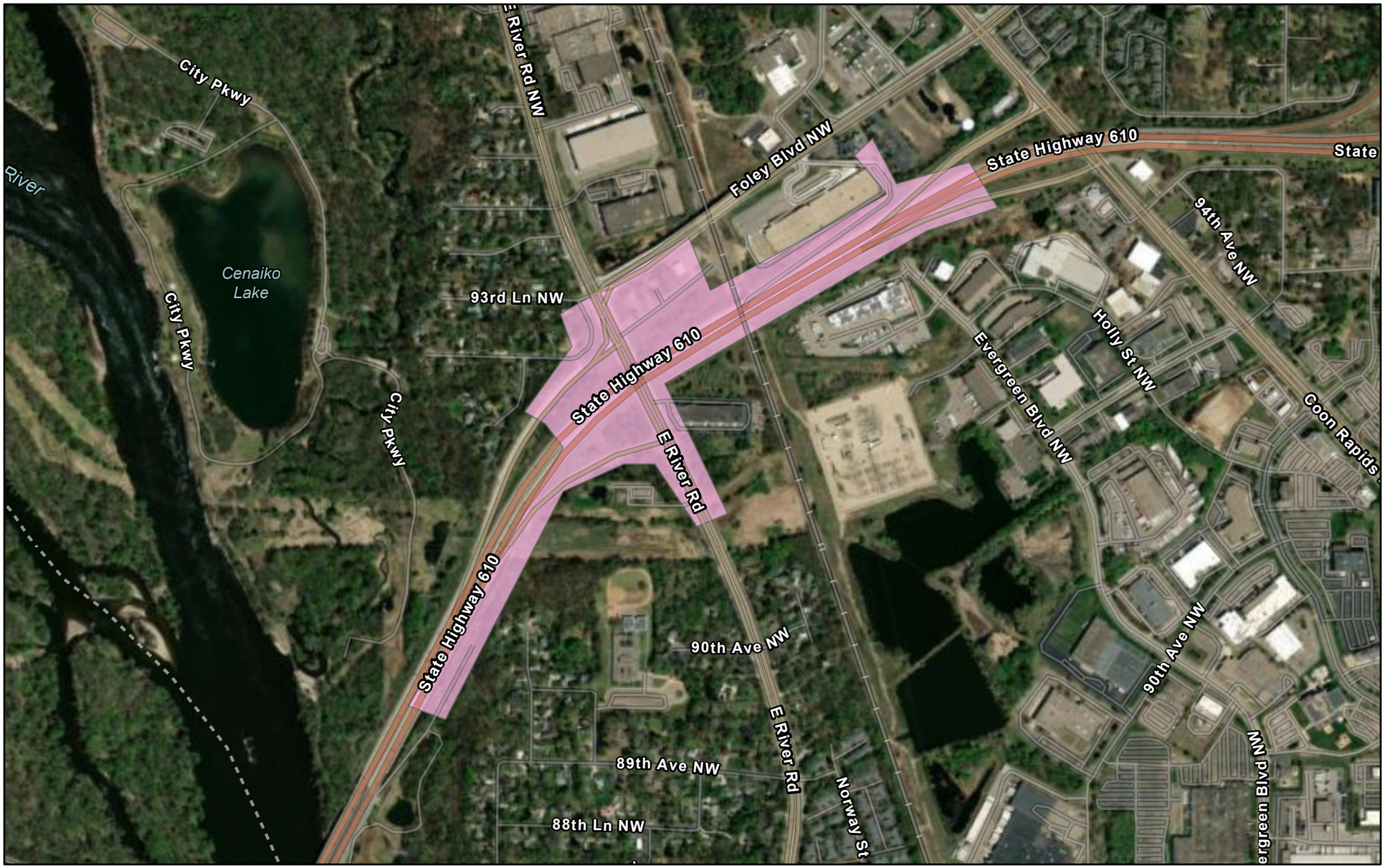
Drainage, Bridges, Culverts, and Utility Crossings (Rule 7.0)
The proposed project does not include land disturbing activities which construct, improve, repair, or alter the hydraulic characteristics of a bridge profile control or culvert structure on a creek, public ditch, or major watercourse. The proposed project does not include land disturbing activities which involve a pipeline or utility crossing of a creek, public ditch, or major watercourse.

The proposed project does not include land disturbing activities which construct, improve, repair or alter the hydraulic characteristics of a conveyance system that extends across two or more parcels of record not under common ownership and has a drainage area of 200 acres or greater. Rule 7.0 does not apply.

Buffers (Rule 8.0)
The proposed project does not include a land disturbing activity on land adjacent or directly contributing to a Public Water, Additional Waters, High or Outstanding Ecological Value Waters, a Public Ditch, or Impaired Waters/waters exceeding state water quality standards. Rule 8.0 does not apply.

Variances (Rule 10.2)
The proposed project is not requesting a variance from the District's rules, regulations, and policies. Rule 10.2 does not apply.

Figure 1: Project Location



4/7/2026

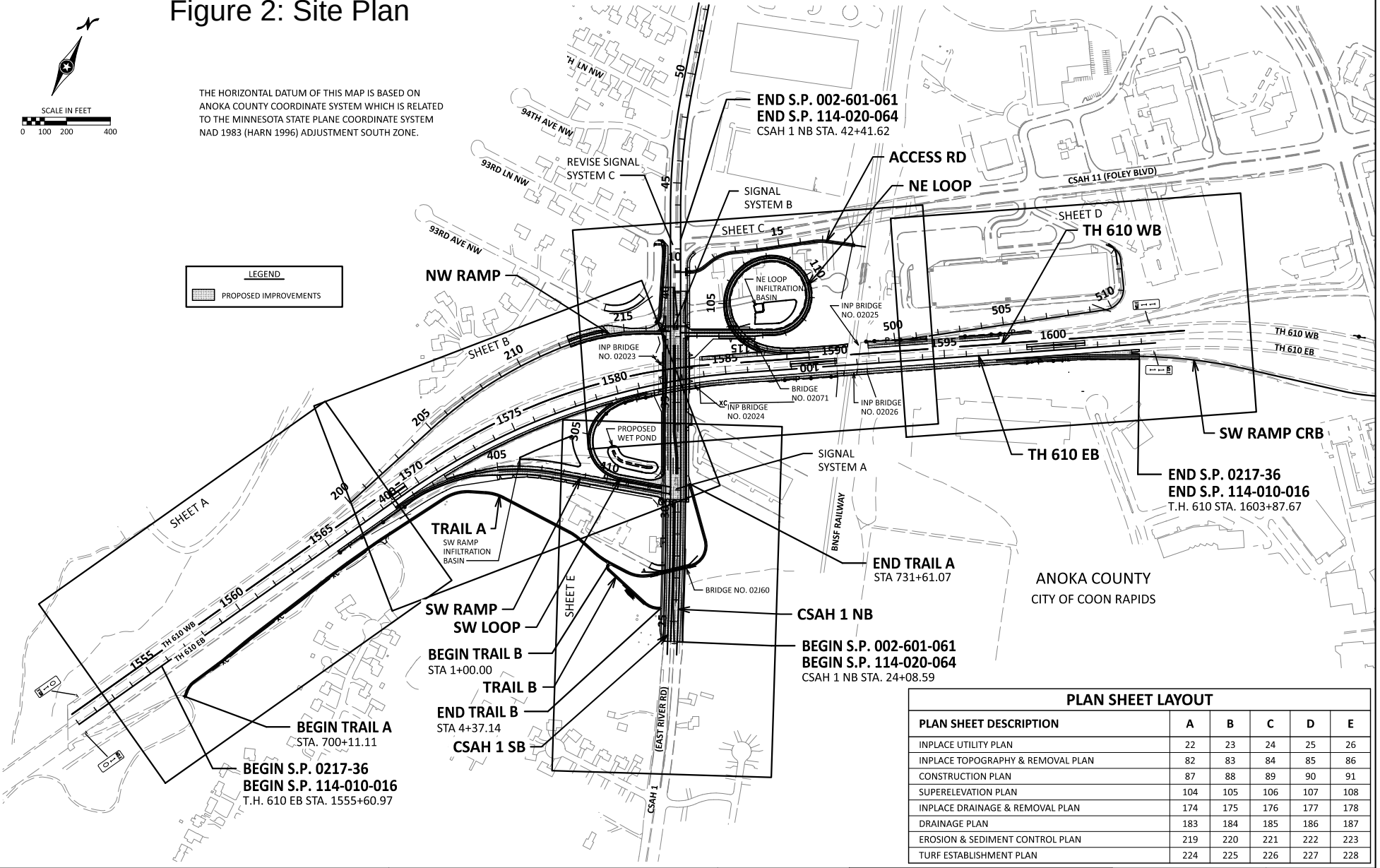
1:15,319

0 0.07 0.15 0.3 mi

0 0.13 0.25 0.5 km

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Vantor

Figure 2: Site Plan



PLAN SHEET LAYOUT

PLAN SHEET DESCRIPTION	A	B	C	D	E
INPLACE UTILITY PLAN	22	23	24	25	26
INPLACE TOPOGRAPHY & REMOVAL PLAN	82	83	84	85	86
CONSTRUCTION PLAN	87	88	89	90	91
SUPERELEVATION PLAN	104	105	106	107	108
INPLACE DRAINAGE & REMOVAL PLAN	174	175	176	177	178
DRAINAGE PLAN	183	184	185	186	187
EROSION & SEDIMENT CONTROL PLAN	219	220	221	222	223
TURF ESTABLISHMENT PLAN	224	225	226	227	228

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CHK: RPM

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TKDA

GENERAL LAYOUT

SP 002-601-061, SP 114-010-016
SP 114-020-064
SP 0217-36 (TH 610)

SHEET NO. 2
TOTAL SHEETS 373

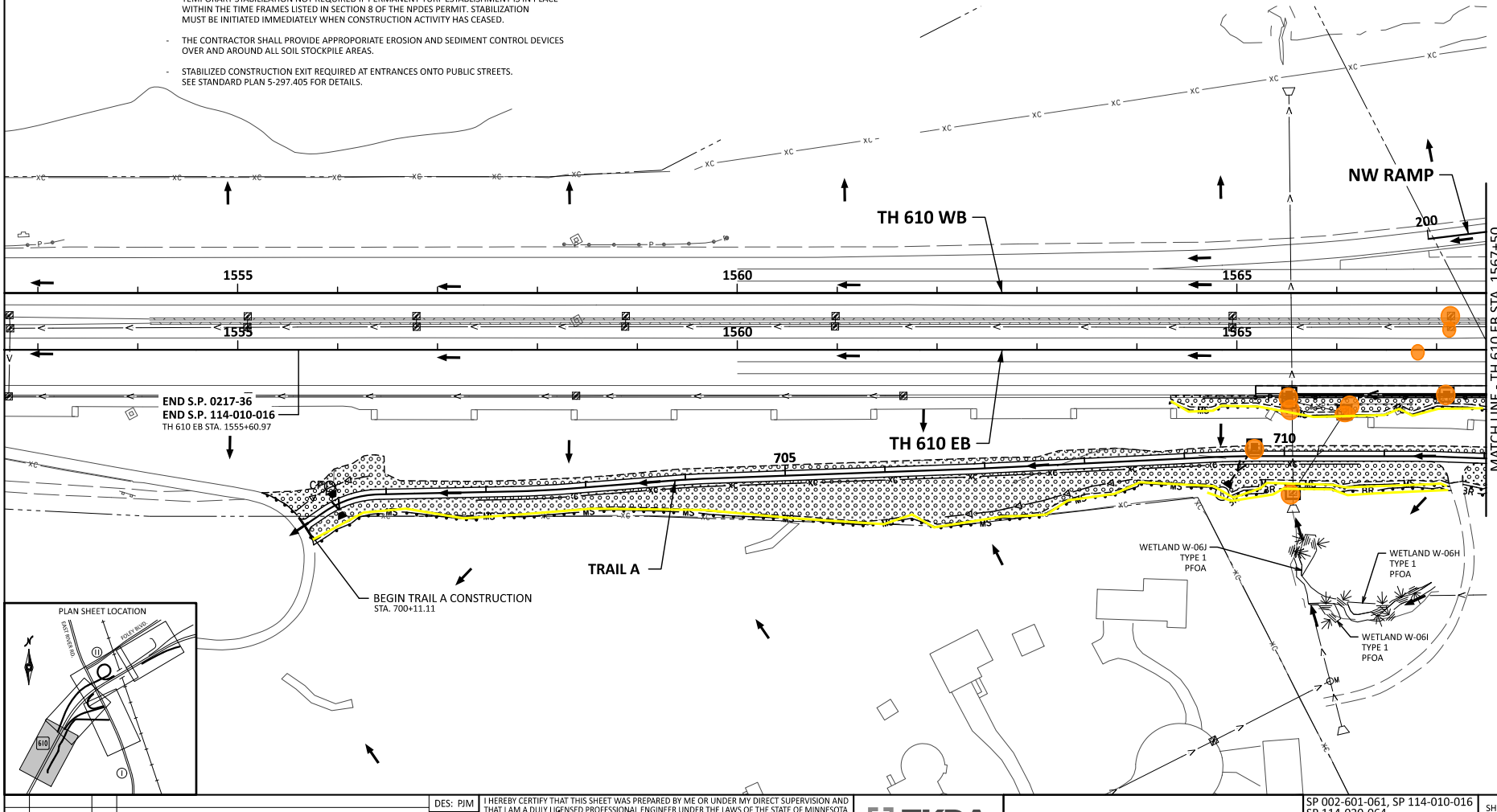
Figure 3: Erosion and Sediment Control Plan

- REDUNDANT PERIMETER CONTROL REQUIRED DOWN GRADIENT OF DISTURBED AREA WITHIN 50 FEET OF A WETLAND BASIN.
- SILT FENCE AND SEDIMENT CONTROL LOGS SHALL FOLLOW AS CLOSE AS POSSIBLE TO A SINGLE CONTOUR LINE.
- TEMPORARY STABILIZATION SHALL CONSIST OF PLACING SEED TWO-YEAR COVER CROP, HYDRAULIC STABILIZED FIBER MATRIX (WITH PLASTIC FREE FIBER), AND FERTILIZER TYPE 1 OVER ALL DISTURBED SOIL AREAS WITHIN 24 HOURS AFTER CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARILY CEASED.
- AREAS REQUIRING RAPID STABILIZATION ARE SHOWN WITH HATCHING ON THESE SHEETS.
- TEMPORARY STABILIZATION NOT REQUIRED IF PERMANENT TURF ESTABLISHMENT IS IN PLACE WITHIN THE TIME FRAMES LISTED IN SECTION 8 OF THE NPDES PERMIT. STABILIZATION MUST BE INITIATED IMMEDIATELY WHEN CONSTRUCTION ACTIVITY HAS CEASED.
- THE CONTRACTOR SHALL PROVIDE APPROPRIATE EROSION AND SEDIMENT CONTROL DEVICES OVER AND AROUND ALL SOIL STOCKPILE AREAS.
- STABILIZED CONSTRUCTION EXIT REQUIRED AT ENTRANCES ONTO PUBLIC STREETS. SEE STANDARD PLAN 5-297.405 FOR DETAILS.

LEGEND

- CONSTRUCTION LIMITS
- AREAS OF ENVIRONMENTAL SENSITIVITY (WETLAND BASIN)
- BR — SEDIMENT CONTROL LOG TYPE COMPOST
- MS — SILT FENCE, TYPE MS
- FILTER BERM TYPE 1
- SURFACE FLOW DIRECTION
- STORM DRAIN INLET PROTECTION
- (R) RANDOM RIPRAP
- CP — CULVERT END CONTROLS
- RAPID STABILIZATION METHOD 3
- RAPID STABILIZATION METHOD 4
- •TSD — TEMPORARY SLOPE DRAIN

SCALE IN FEET
0 50 100



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SIGNATURE: Matthew A Wassman LIC. NO. 26883 DATE: 3-MAR-2026
MATTHEW A. WASSMAN

TKDA

EROSION & SEDIMENT CONTROL PLAN

SP 002-601-061, SP 114-010-016
SP 114-020-064
SP 0217-36 (TH 610)

SHEET NO. 219
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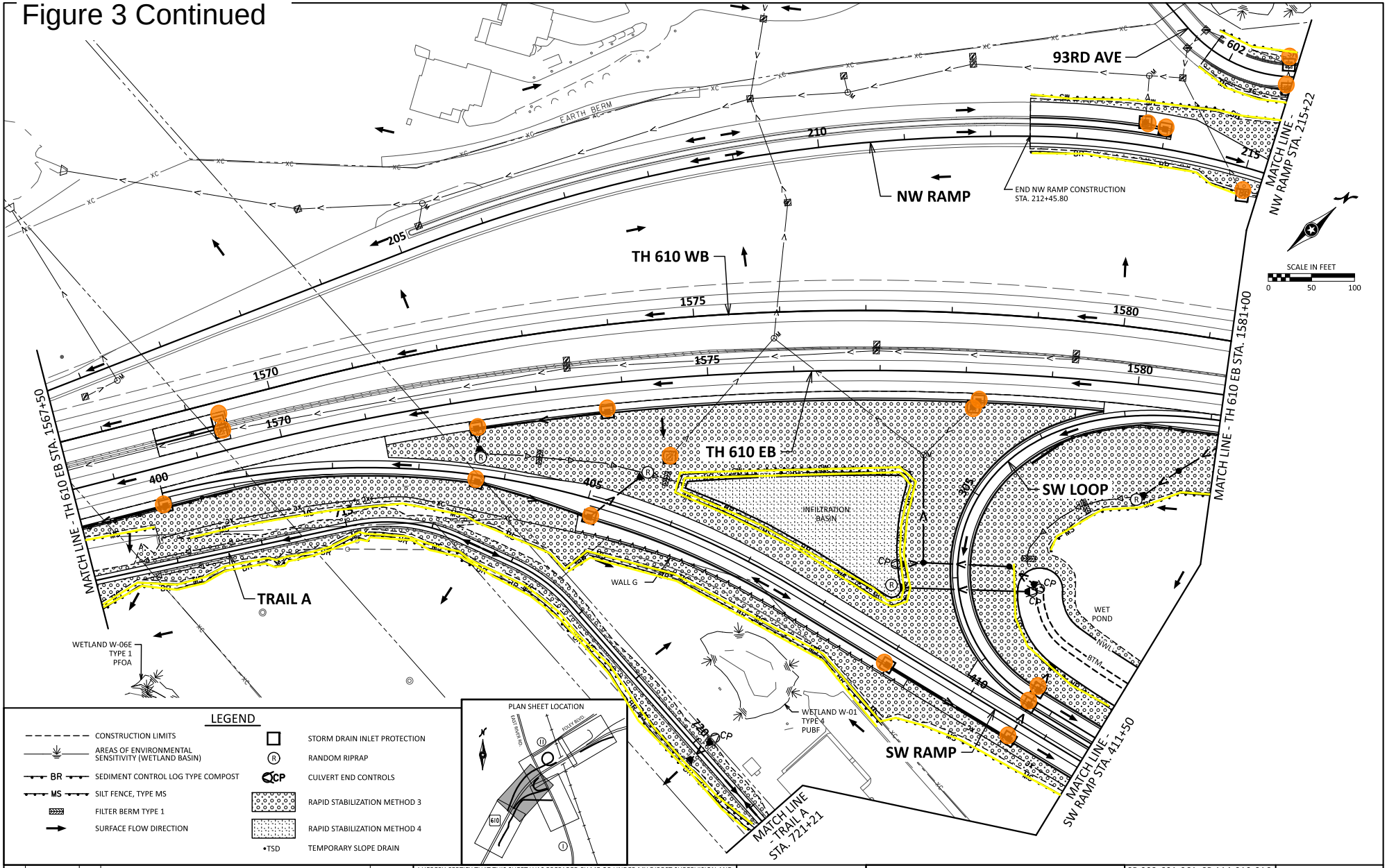
Figure 3 Continued



PLAN SHEET LOCATION

LEGEND

- CONSTRUCTION LIMITS
- AREAS OF ENVIRONMENTAL SENSITIVITY (WETLAND BASIN)
- BR — SEDIMENT CONTROL LOG TYPE COMPOST
- MS — SILT FENCE, TYPE MS
- FILTER BERM TYPE 1
- SURFACE FLOW DIRECTION
- STORM DRAIN INLET PROTECTION
- R — RANDOM RIPRAP
- CP — CULVERT END CONTROLS
- RAPID STABILIZATION METHOD 3
- RAPID STABILIZATION METHOD 4
- •TSD — TEMPORARY SLOPE DRAIN

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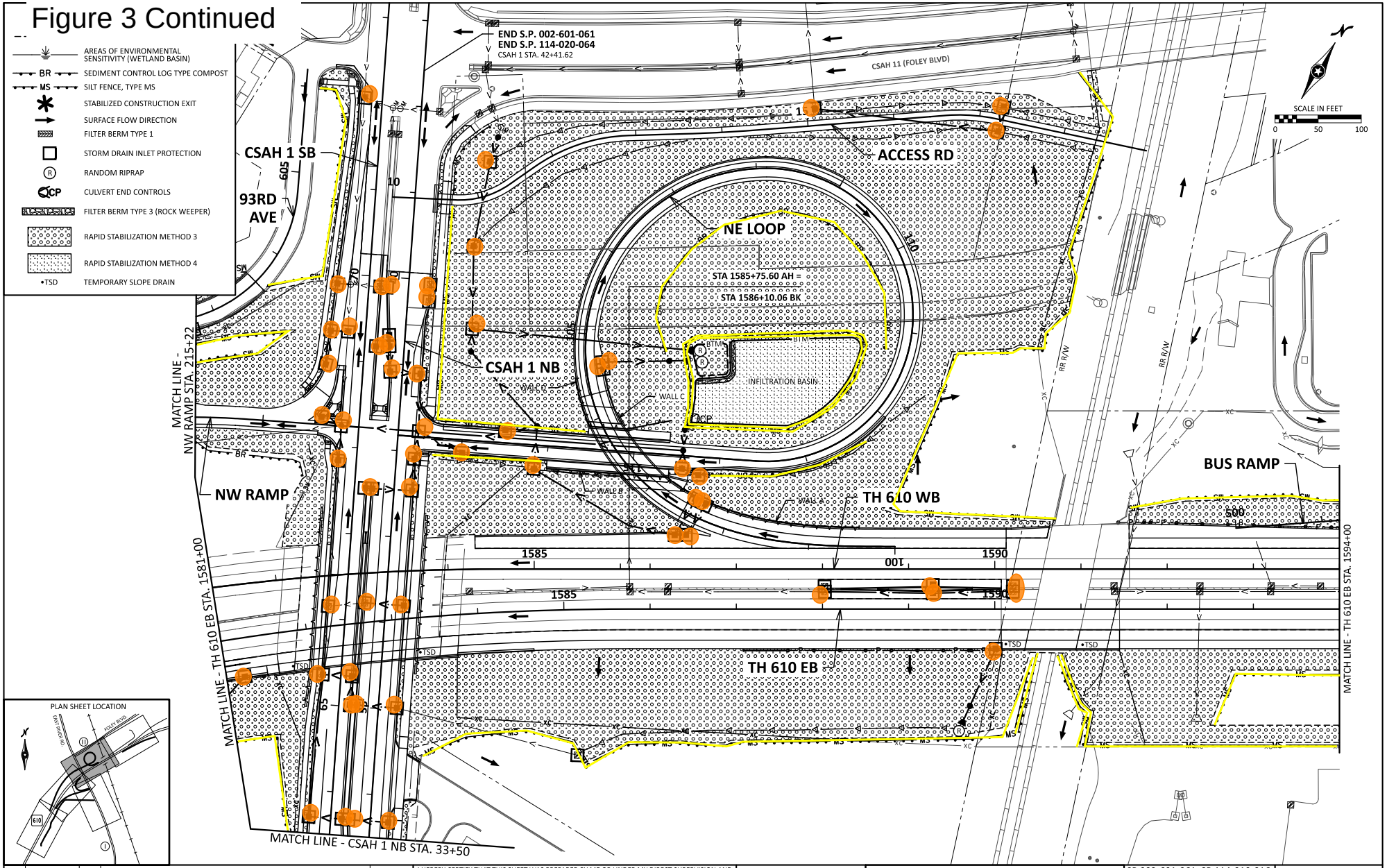
Figure 3 Continued



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MATTHEW A. WASSMAN
LIC. NO. 26883 DATE: 3-MAR-2026

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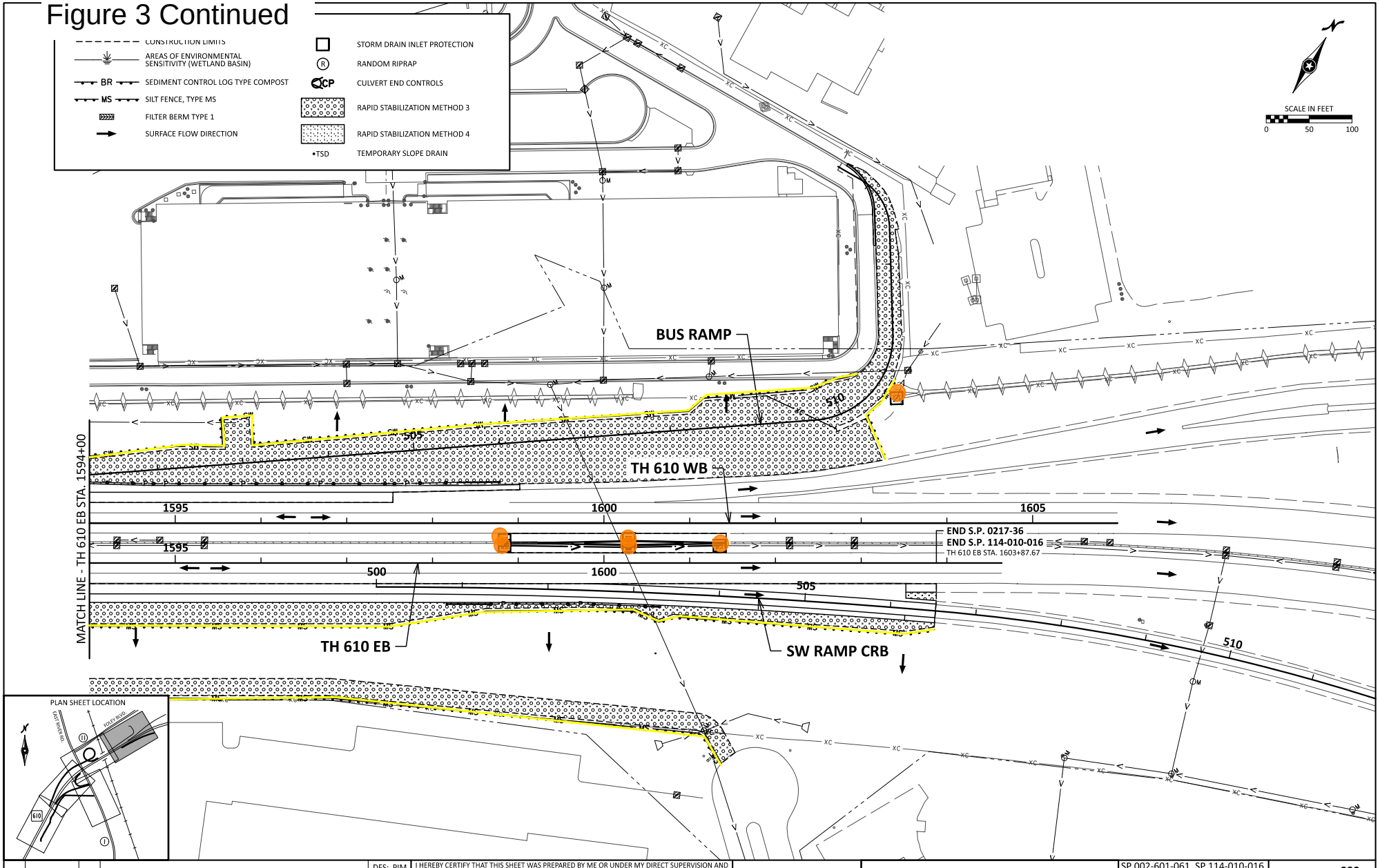
EROSION & SEDIMENT CONTROL PLAN

SP 002-601-061, SP 114-010-016
SP 114-020-064
SP 0217-36 (TH 610)

SHEET NO. 221
TOTAL SHEETS 373

Figure 3 Continued



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EROSION & SEDIMENT CONTROL PLAN

SP 002-601-061, SP 114-010-016
SP 114-020-064
SP 0217-36 (TH 610)

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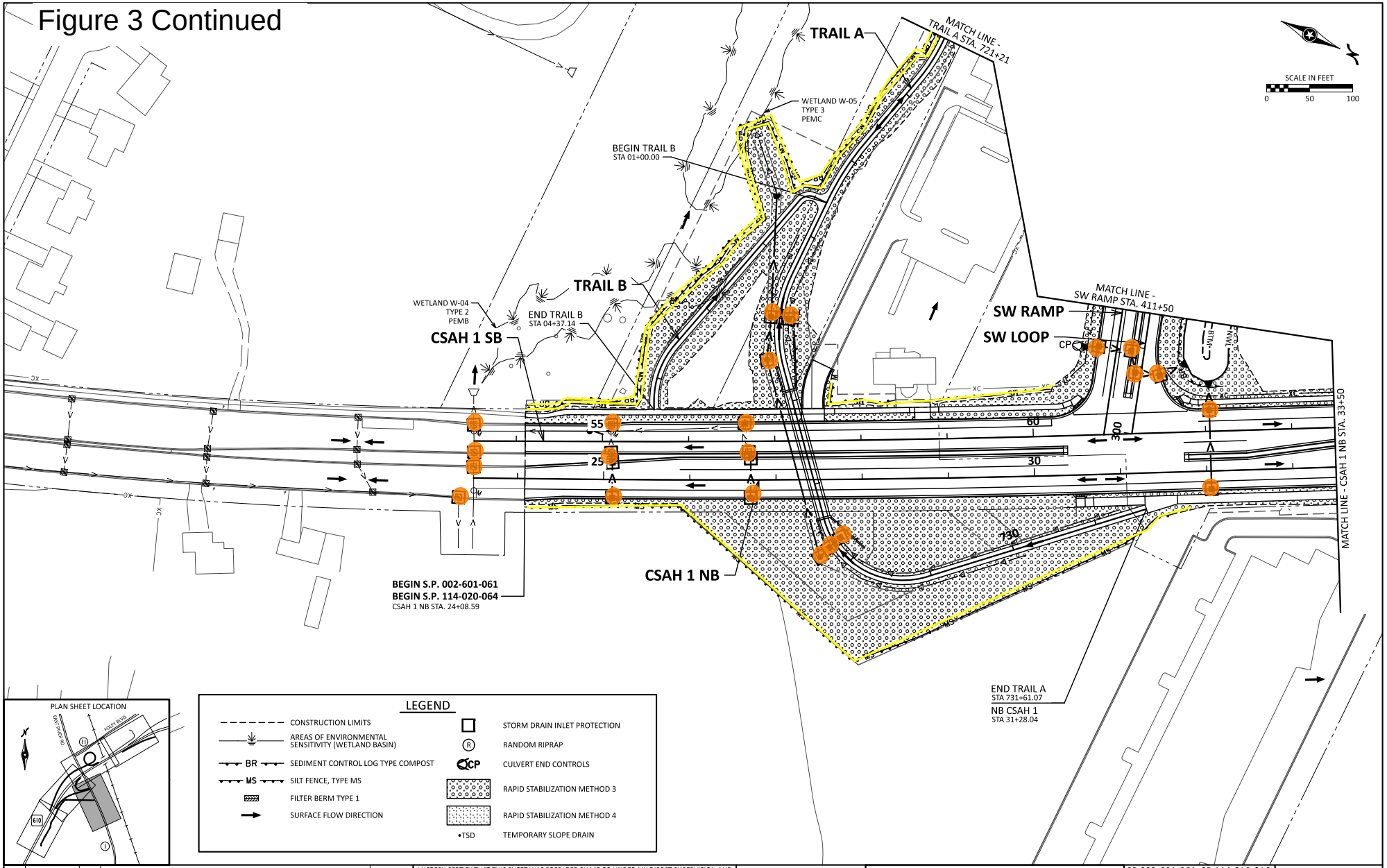
TOTAL SHEETS 373

Figure 3 Continued



PLAN SHEET LOCATION

LEGEND

CONSTRUCTION LIMITS	STORM DRAIN INLET PROTECTION
AREAS OF ENVIRONMENTAL SENSITIVITY (WETLAND BASIN)	RANDOM RIPRAP
BR SEDIMENT CONTROL LOG TYPE COMPOST	CP CULVERT END CONTROLS
MS SILT FENCE, TYPE MS	RAPID STABILIZATION METHOD 3
FILTER BERM TYPE 1	RAPID STABILIZATION METHOD 4
SURFACE FLOW DIRECTION	•TSD TEMPORARY SLOPE DRAIN

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EROSION & SEDIMENT CONTROL PLAN

SP 002-601-061, SP 114-010-016
SP 114-020-064
SP 0217-36 (TH 610)

SHEET NO. 223
TOTAL SHEETS 373

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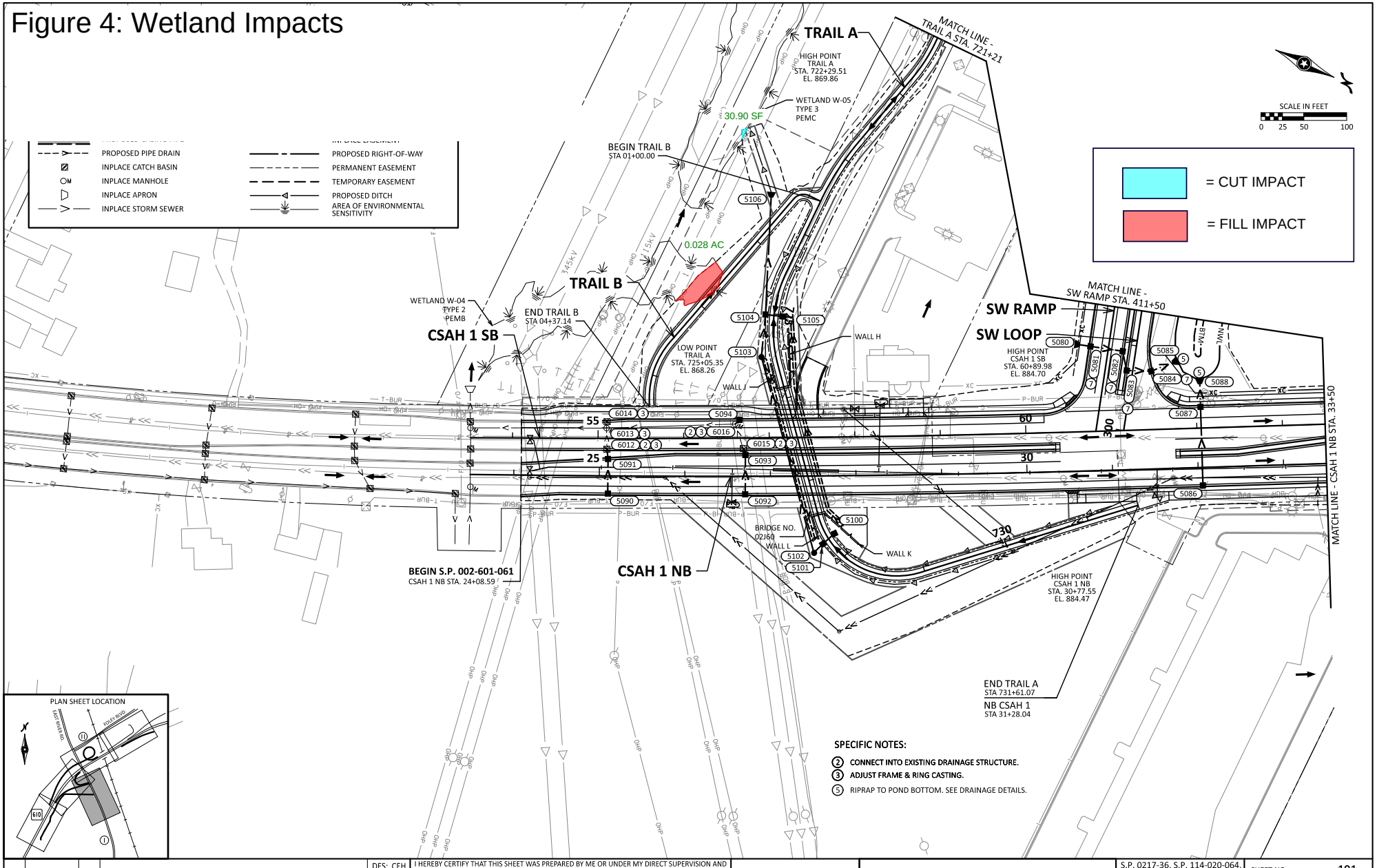
Figure 4: Wetland Impacts



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TKDA

DRAINAGE PLAN

S.P. 0217-36, S.P. 114-020-064, S.P. 002-601-061
TRUNK HWY. TH 610

SHEET NO. 191
TOTAL SHEETS 409