

R-2576 Mid-Currituck Bridge

Attachment 9:

# **Submerged Aquatic Vegetation (SAV) Impact Drawings**

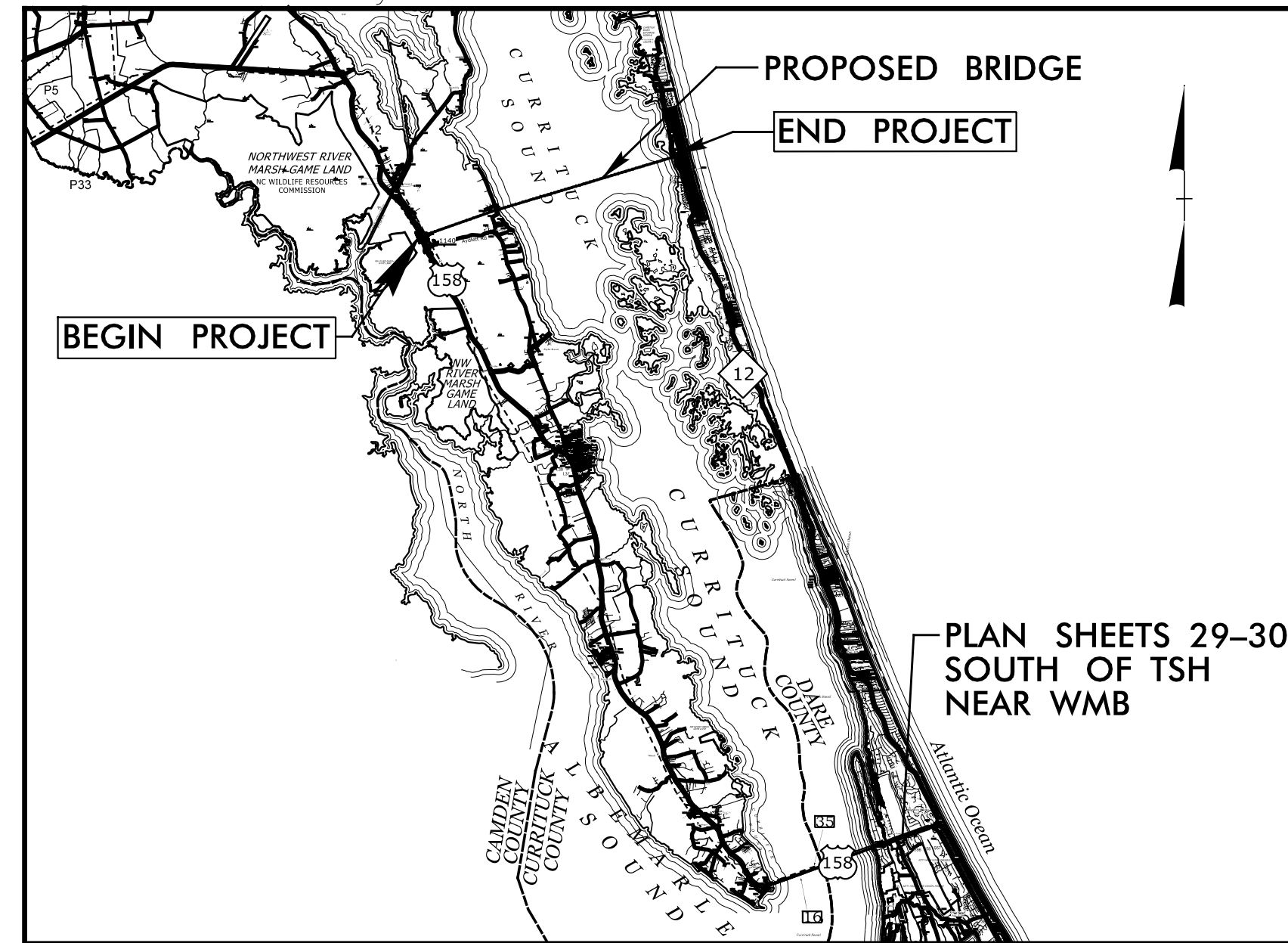
09/28/2019

See Sheet 1A For Index of Sheets  
See Sheet 1B For Conventional Symbols  
See Sheet 1C For Survey Control Sheet

# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

|                 |                             |             |              |
|-----------------|-----------------------------|-------------|--------------|
| STATE           | STATE PROJECT REFERENCE NO. | SHEET NO.   | TOTAL SHEETS |
| N.C.            | R-2576                      | 1           |              |
| STATE PROJ. NO. | F.A. PROJ. NO.              | DESCRIPTION |              |
| 34470.1.TA1     | BRSTP-000(494)              | P.E.        |              |
|                 |                             |             |              |
|                 |                             |             |              |
|                 |                             |             |              |
|                 |                             |             |              |

**TIP PROJECT: R-2576**

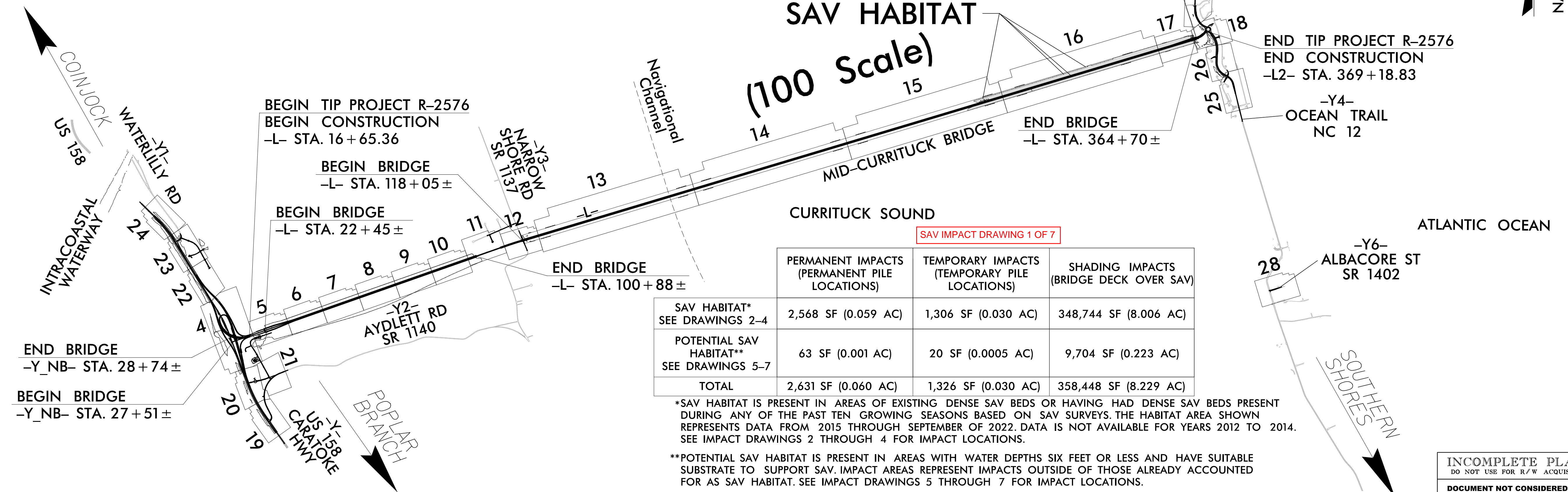


**VICINITY MAP**

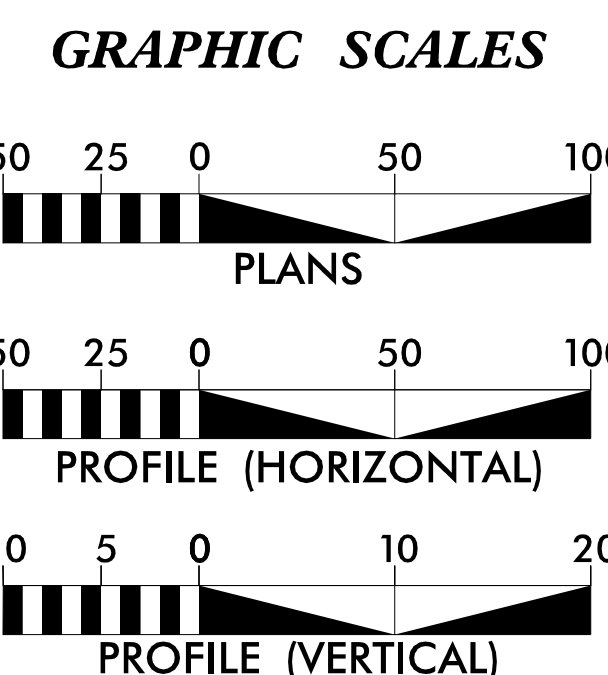
75% PLANS

**LOCATION: MID-CURRITUCK BRIDGE FROM US 158 SOUTH OF COINJOCK TO NC 12 SOUTH OF COROLLA**

**TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURES**



**CONTRACT:**



**DESIGN DATA**

|                                   |                         |
|-----------------------------------|-------------------------|
| # ADT 2020 =                      | 11,800                  |
| ADT 2040 =                        | 18,000                  |
| K =                               | 9 %                     |
| D =                               | 60 %                    |
| T =                               | 7 % *                   |
| V =                               | 60 MPH                  |
| * (TTST=2) + (DUAL=1)<br>+ (RV=4) |                         |
| FUNC CLASS =                      | ARTERIAL STATEWIDE TIER |

**PROJECT LENGTH**

|  |                      |
|--|----------------------|
| LENGTH ROADWAY TIP PROJECT R-2576      | = 0.524 Miles        |
| LENGTH STRUCTURES                      | = 6.153 Miles        |
| <b>TOTAL LENGTH TIP PROJECT R-2576</b> | <b>= 6.677 Miles</b> |

# PROJECT LEVEL TRAFFIC FORECAST (JUNE 2016) (SUMMER WEEKEND)

Prepared In the Office of:

**LOCHNER**  
1223 Jones Franklin Rd.  
Raleigh, NC 27606  
Phone: 919.851.8107  
Fax: 919.851.8107

2018 STANDARD SPECIFICATIONS

**RIGHT OF WAY DATE:**  
FY 2024

**LETTING DATE:**  
FY 2024

**BRIAN K. EASON, PE**  
PROJECT ENGINEER

**CHRISTINA L. YOKELEY, PE**  
PROJECT DESIGN ENGINEER

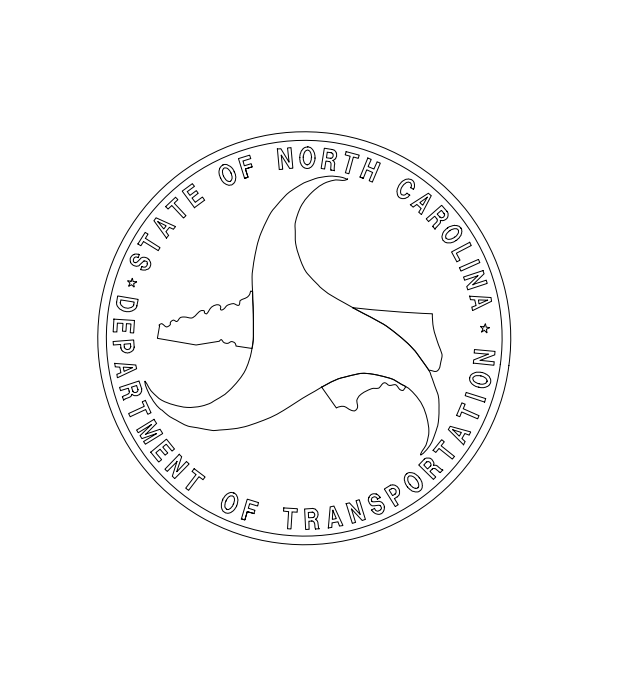
**DENNIS JERNIGAN, PE**  
NCDOT /NCTA

**HYDRAULICS ENGINEER**

SIGNATURE: \_\_\_\_\_ P.E.

**ROADWAY DESIGN ENGINEER**

SIGNATURE: \_\_\_\_\_ P.E.



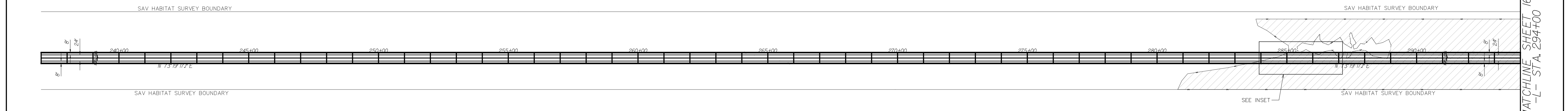
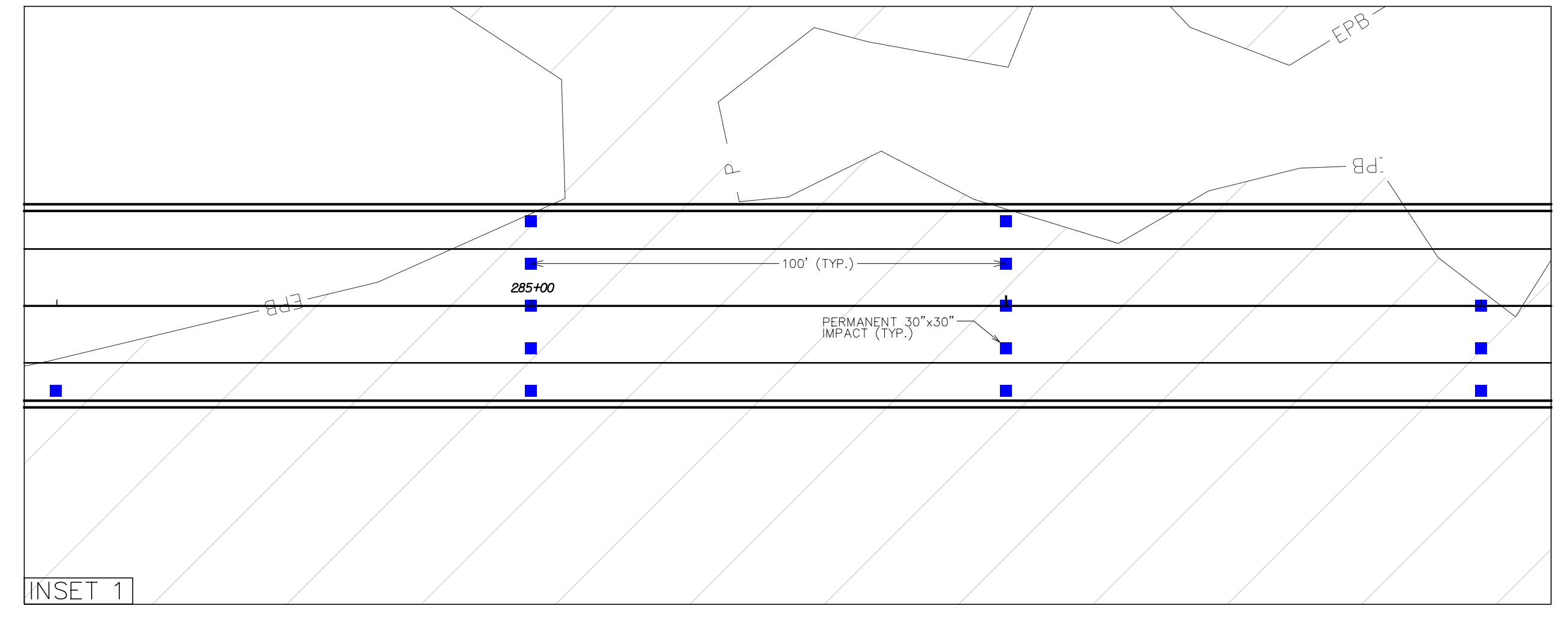
10/20/2023  
R2576\_rdy-TSH\_SAV.dgn  
ACHHO

**INCOMPLETE PLANS**  
DO NOT USE FOR R/W ACQUISITION  
**DOCUMENT NOT CONSIDERED FINAL**  
UNLESS ALL SIGNATURES COMPLETED

REVISIONS

LEGEND

- EPB SAV HABITAT
- EPB PERMANENT PILE IMPACTS
- PERMANENT PILE IMPACTS
- TEMPORARY PILE IMPACTS



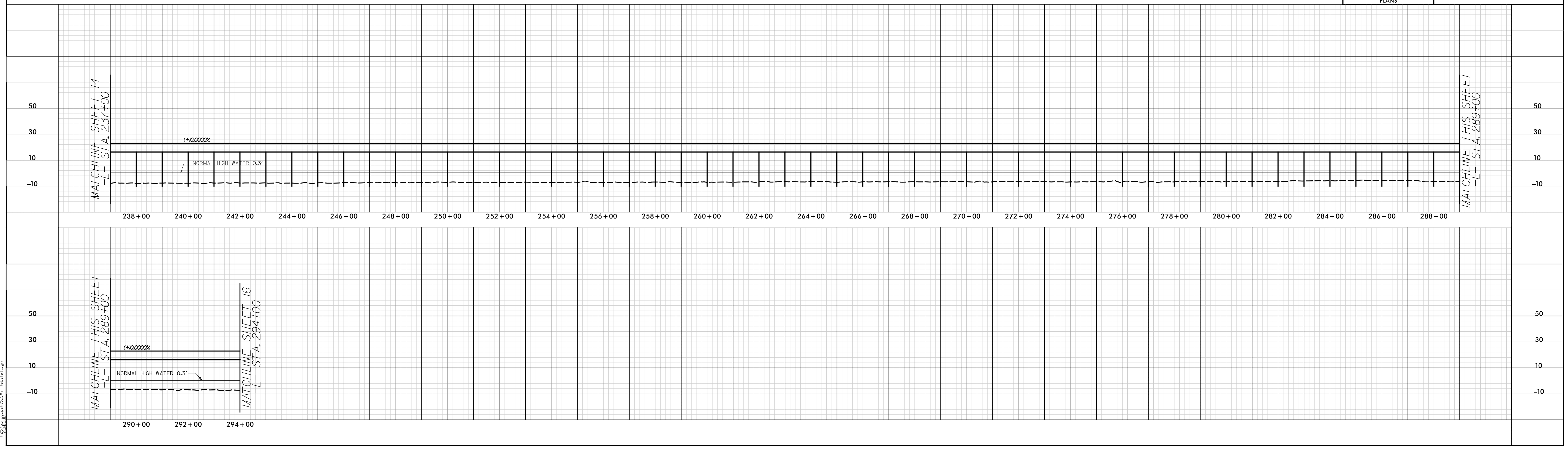
SAV IMPACT DRAWING 2 OF 7

SAV HABITAT:  
 AREAS OF EXISTING DENSE SAV BEDS OR HAVING HAD DENSE SAV BEDS PRESENT DURING ANY OF THE PAST TEN GROWING SEASONS BASED ON SAV SURVEYS.

THE HABITAT AREA SHOWN REPRESENTS DATA FROM 2015 THROUGH SEPTEMBER OF 2022. DATA IS NOT AVAILABLE FOR YEARS 2012 TO 2014.

GRAPHIC SCALE  
 100 50 0 100 200  
 PLANS


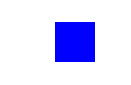
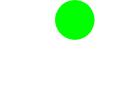
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 TIP NO.: \_\_\_\_\_ COUNTY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

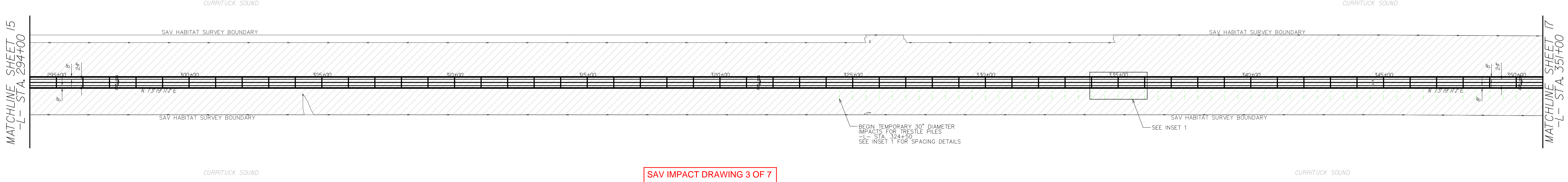
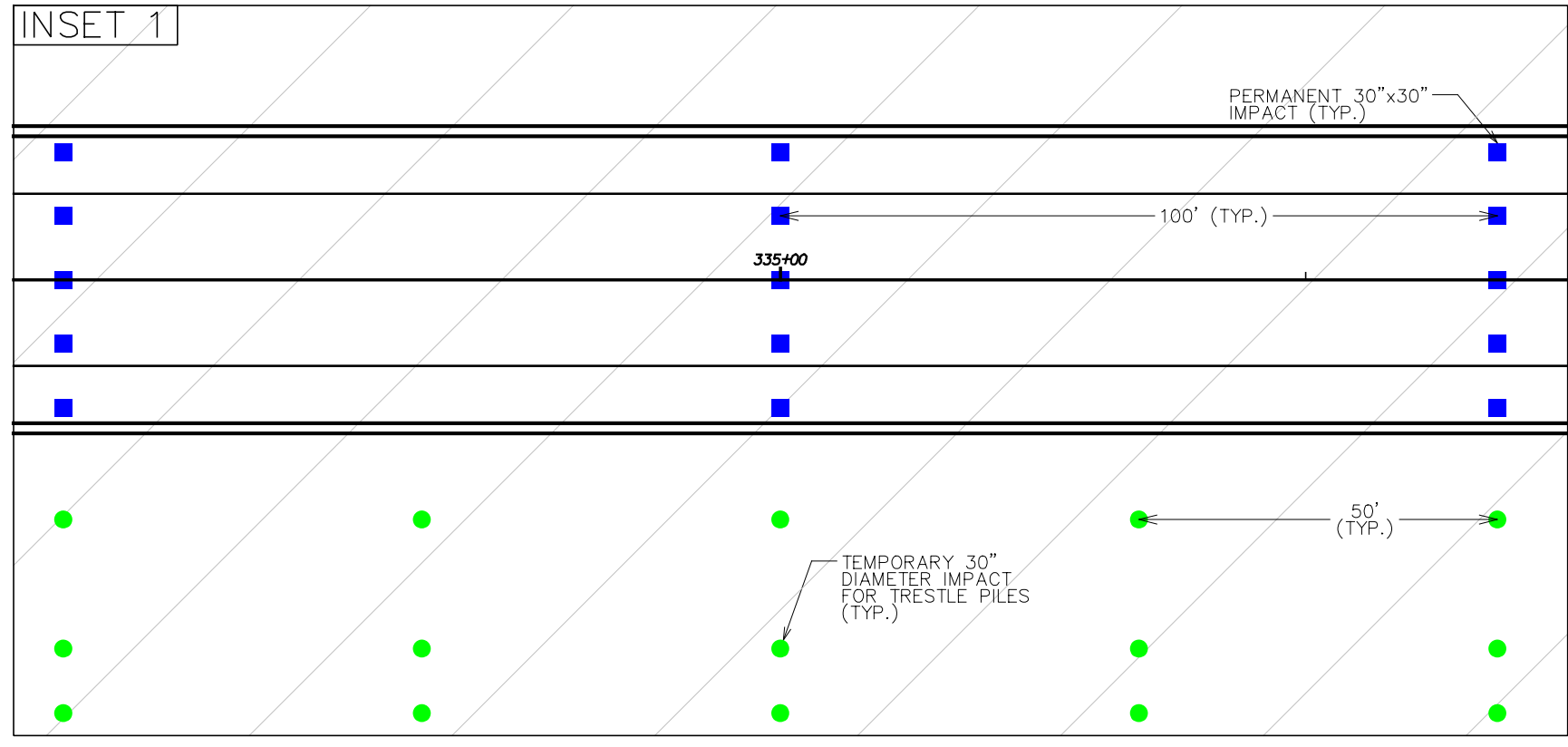


10/20/2023 10:30 AM SAV Habitat.dwg

REVISIONS

LEGEND

-  SAV HABITAT
-  PERMANENT PILE IMPACTS
-  TEMPORARY PILE IMPACTS

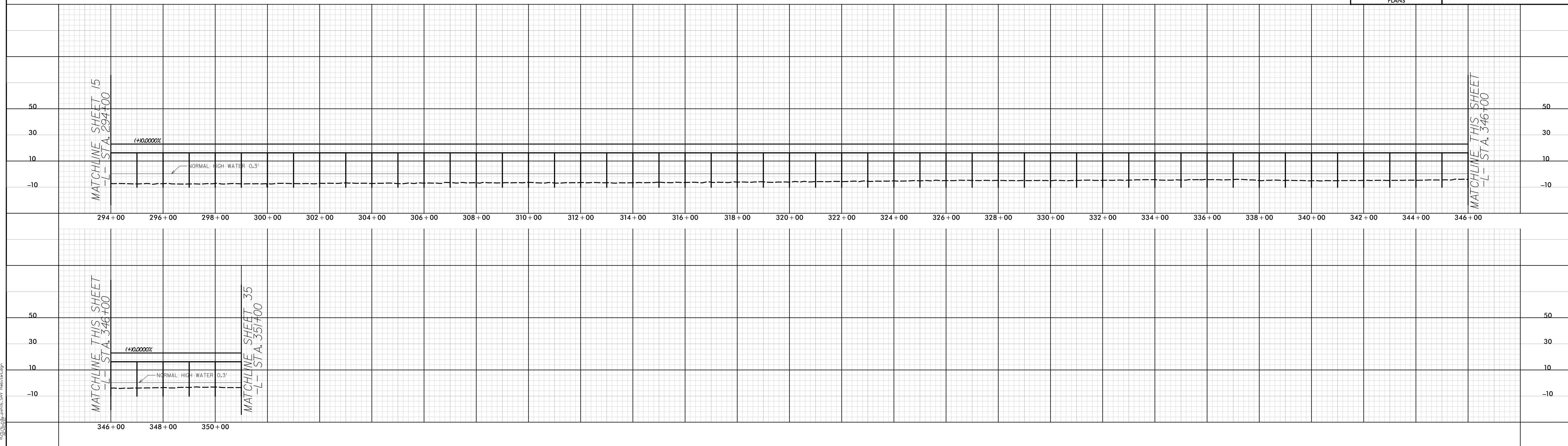


**SAV IMPACT DRAWING 3 OF 7**

SAV HABITAT:  
 AREAS OF EXISTING DENSE SAV BEDS OR HAVING HAD  
 DENSE SAV BEDS PRESENT DURING ANY OF THE PAST TEN  
 GROWING SEASONS BASED ON SAV SURVEYS.  
 THE HABITAT AREA SHOWN REPRESENTS DATA FROM 2015 THROUGH  
 SEPTEMBER OF 2022. DATA IS NOT AVAILABLE FOR YEARS 2012 TO 2014.

GRAPHIC SCALE  
 100 50 0 100 200  
 PLANS

LOCATION: \_\_\_\_\_  
 TIP NO.: \_\_\_\_\_ COUNTY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

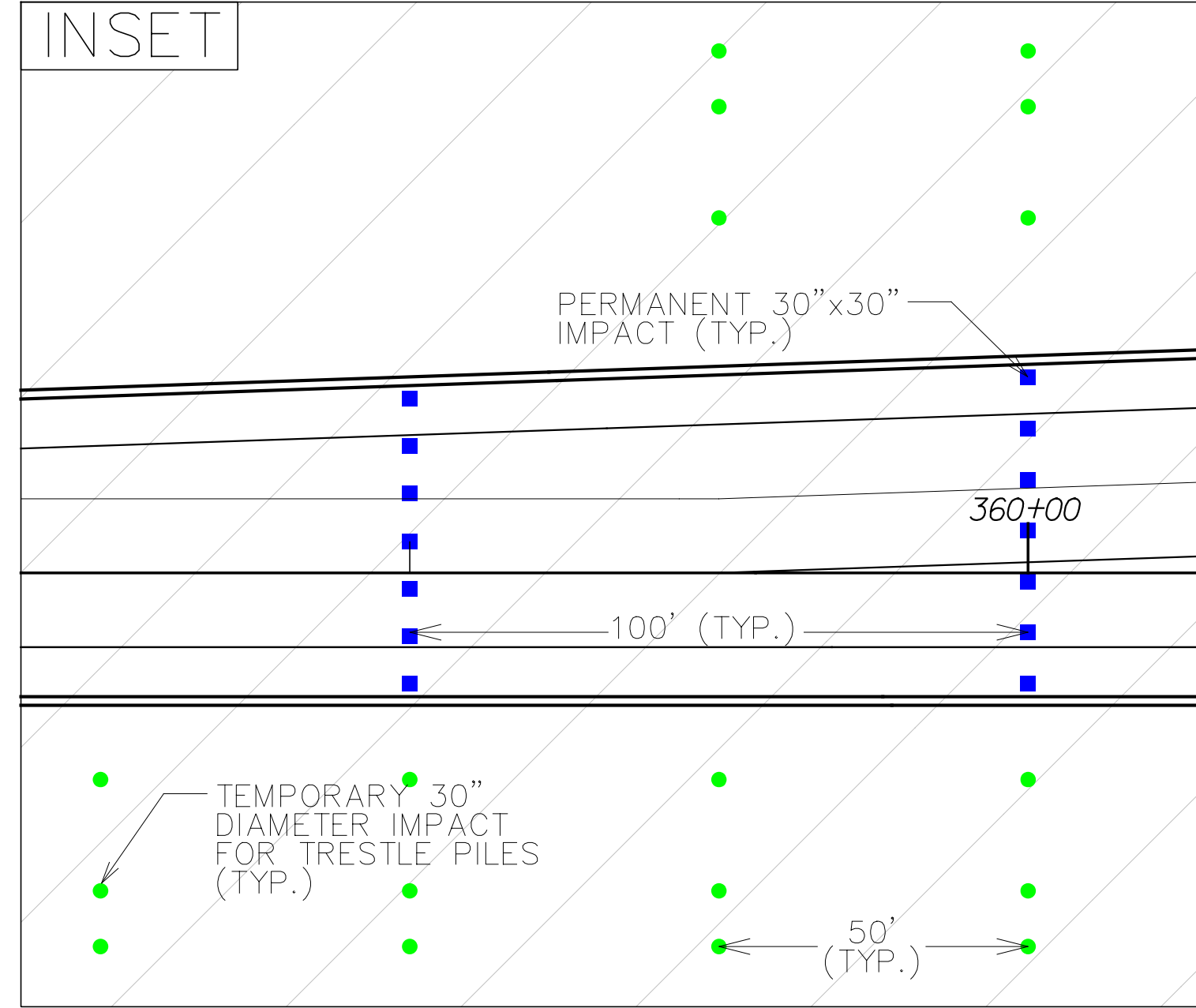


10/20/2023 10:30 AM H:\Projects\2023\230001\230001\_SAV\_Habitat.dwg

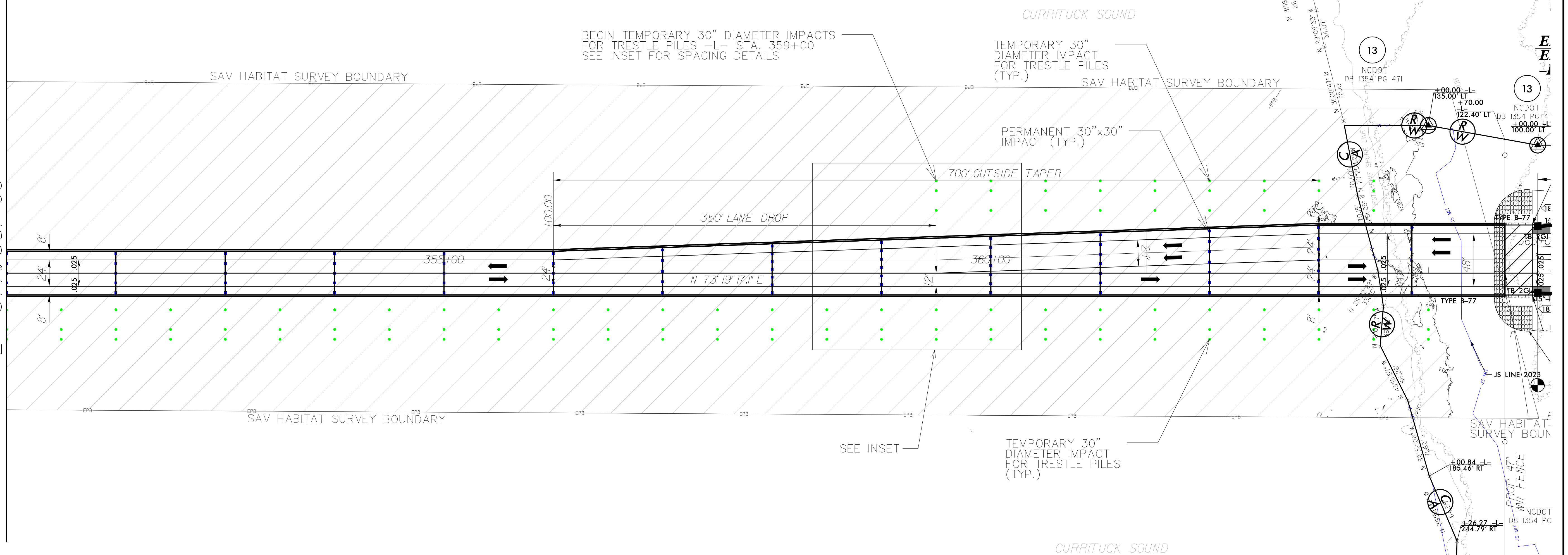
|   |                          |
|---|--------------------------|
| PROJECT REFERENCE NO.<br>R-2576   | SHEET NO.<br>17          |
| ROADWAY DESIGN ENGINEER   | PAVEMENT DESIGN ENGINEER |
| <b>INCOMPLETE PLANS</b><br>DO NOT USE FOR R/W ACQUISITION               |                          |
| <b>DOCUMENT NOT CONSIDERED FINAL</b><br>UNLESS ALL SIGNATURES COMPLETED |                          |

**LEGEND**

- EPB SAV HABITAT
- EPB PERMANENT PILE IMPACTS
- PERMANENT PILE IMPACTS
- TEMPORARY PILE IMPACTS



MATCHLINE SHEET 16  
-L- STA. 351+00



SAV IMPACT DRAWING 4 OF 7

SAV HABITAT:  
AREAS OF EXISTING DENSE SAV BEDS OR HAVING HAD DENSE SAV BEDS PRESENT DURING ANY OF THE PAST TEN GROWING SEASONS BASED ON SAV SURVEYS.

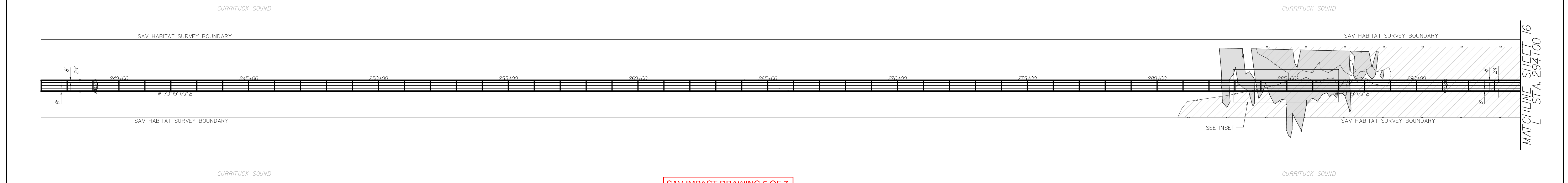
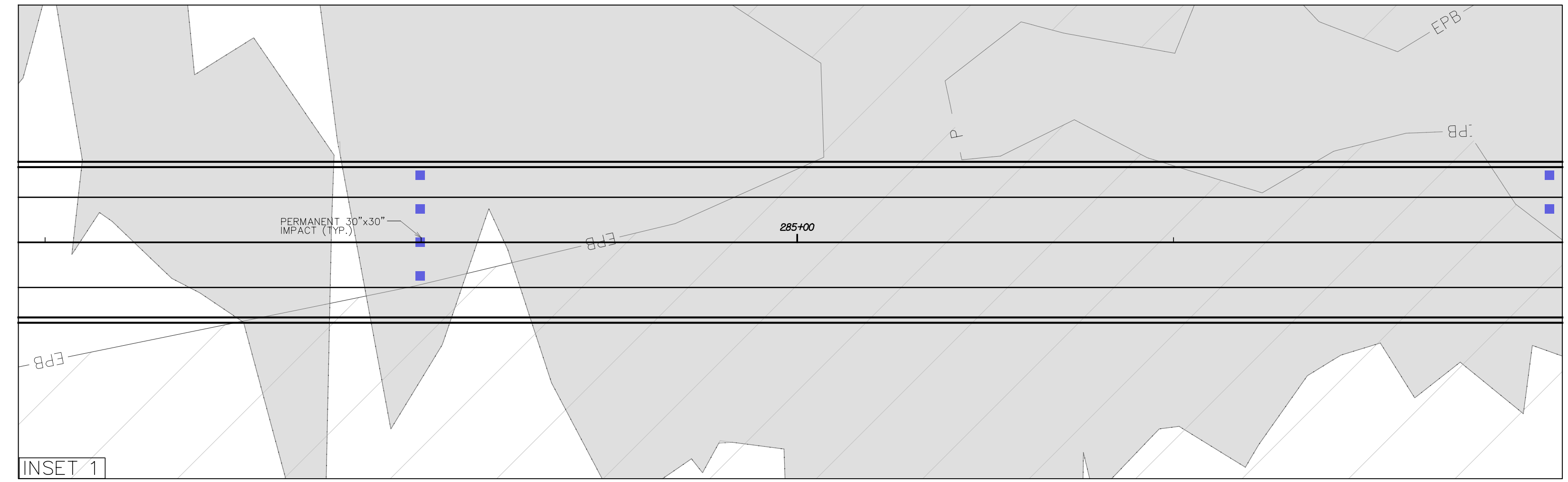
THE HABITAT AREA SHOWN REPRESENTS DATA FROM 2015 THROUGH SEPTEMBER OF 2022. DATA IS NOT AVAILABLE FOR YEARS 2012 TO 2014.

SEE SHEET 2D-I FOR DITCH DETAILS  
SEE SHEET 35 FOR -L- PROFILE

REVISIONS

LEGEND

- WATER DEPTH 6 FT OR LESS
- EPB SAV HABITAT
- POTENTIAL PERMANENT PILE IMPACTS

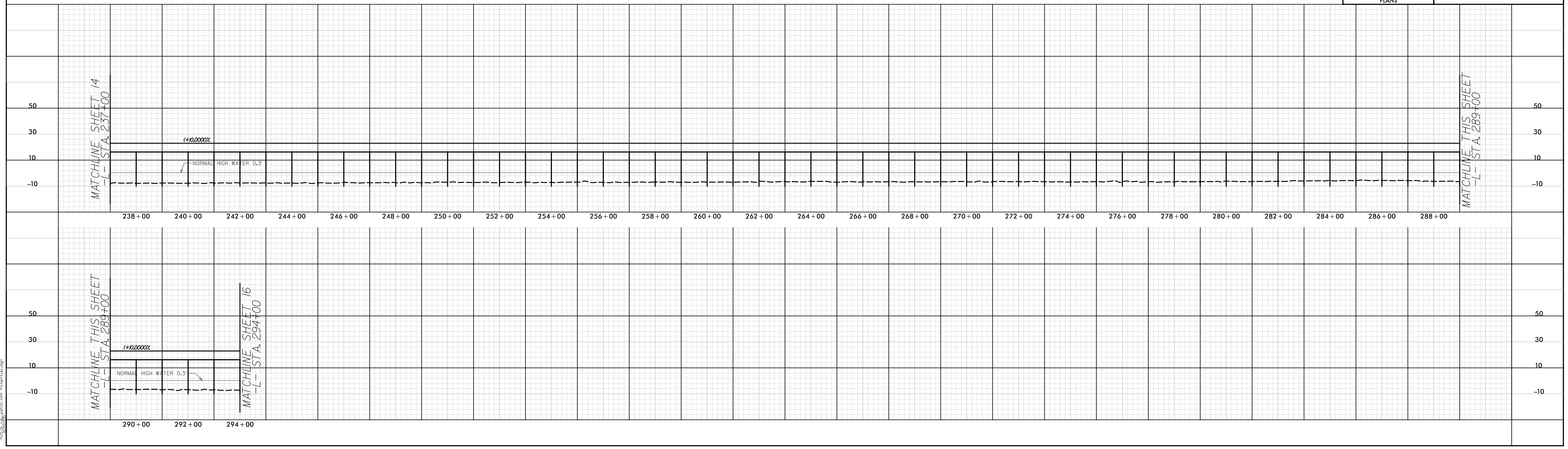


**SAV IMPACT DRAWING 5 OF 7**

POTENTIAL SAV HABITAT:  
 POTENTIAL SAV HABITAT IS PRESENT IN AREAS WITH WATER DEPTHS SIX FEET OR LESS AND HAVE SUITABLE SUBSTRATE TO SUPPORT SAV. IMPACT AREAS REPRESENT IMPACTS OUTSIDE OF THOSE ALREADY ACCOUNTED FOR AS SAV HABITAT. SEE IMPACT DRAWINGS 5 THROUGH 7 FOR IMPACT LOCATIONS.

GRAPHIC SCALE  
 100 50 0 100 200  
 PLANS

LOCATION:  
 TWP. NO.: COUNTY:  
 DESIGNED BY:  
 CHECKED BY: DATE:



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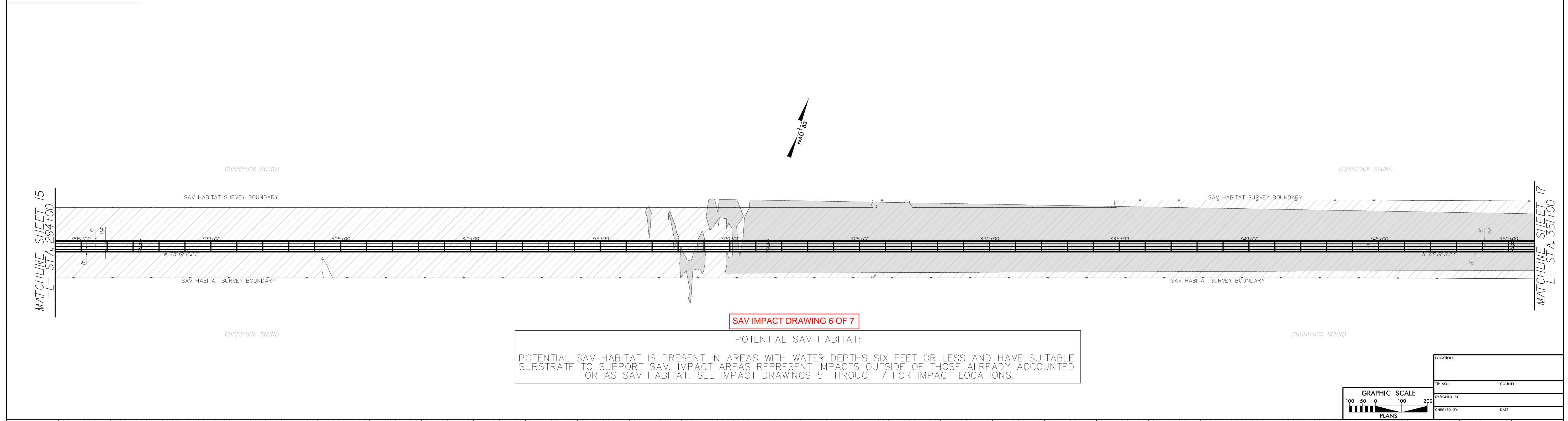
REVISIONS

LEGEND

■ WATER DEPTH 6 FT OR LESS

▨ EPB SAV HABITAT

NOTE:  
 NO PERMANENT NOR TEMPORARY  
 POTENTIAL PILE IMPACTS ARE  
 SHOWN ON THIS SHEET



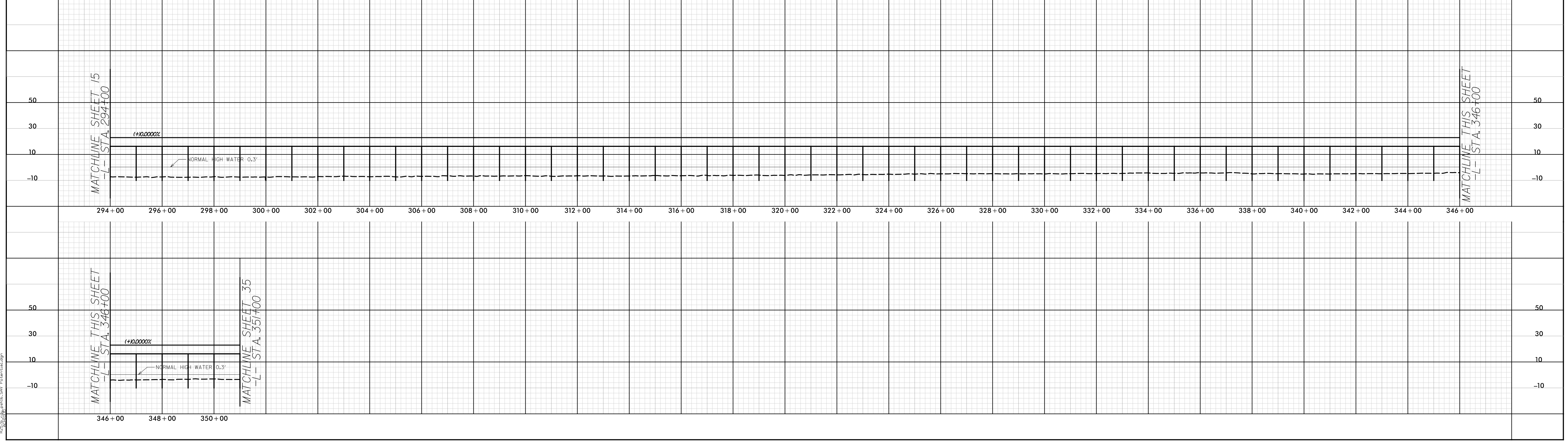
**SAV IMPACT DRAWING 6 OF 7**

POTENTIAL SAV HABITAT:

POTENTIAL SAV HABITAT IS PRESENT IN AREAS WITH WATER DEPTHS SIX FEET OR LESS AND HAVE SUITABLE SUBSTRATE TO SUPPORT SAV. IMPACT AREAS REPRESENT IMPACTS OUTSIDE OF THOSE ALREADY ACCOUNTED FOR AS SAV HABITAT. SEE IMPACT DRAWINGS 5 THROUGH 7 FOR IMPACT LOCATIONS.

GRAPHIC SCALE  
 100 50 0 100 200  
 PLANS

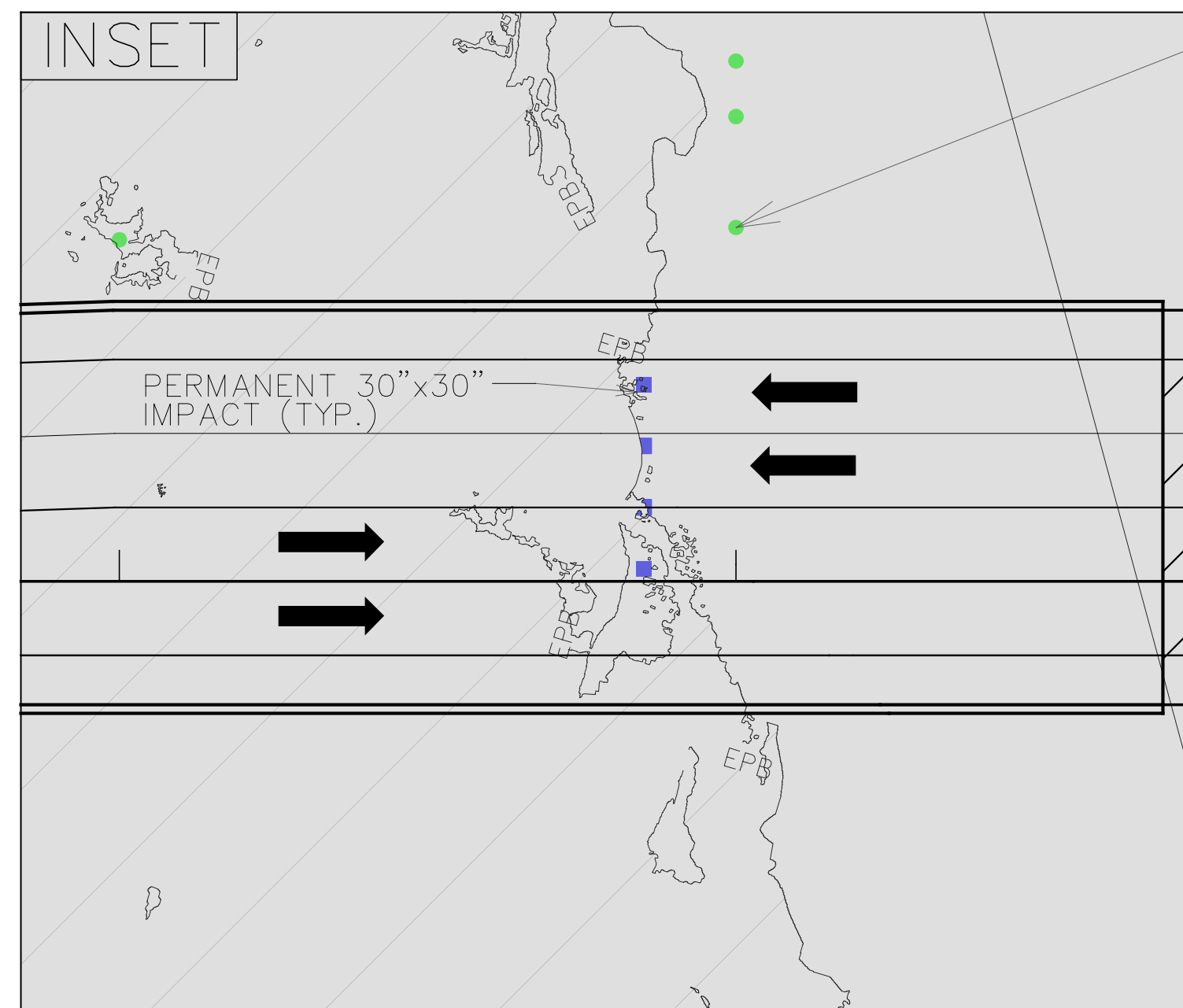
LOCATION: \_\_\_\_\_  
 TWP. NO.: \_\_\_\_\_ COUNTY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



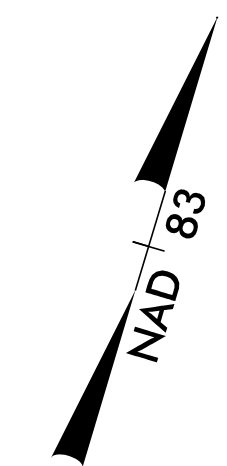
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**LEGEND**

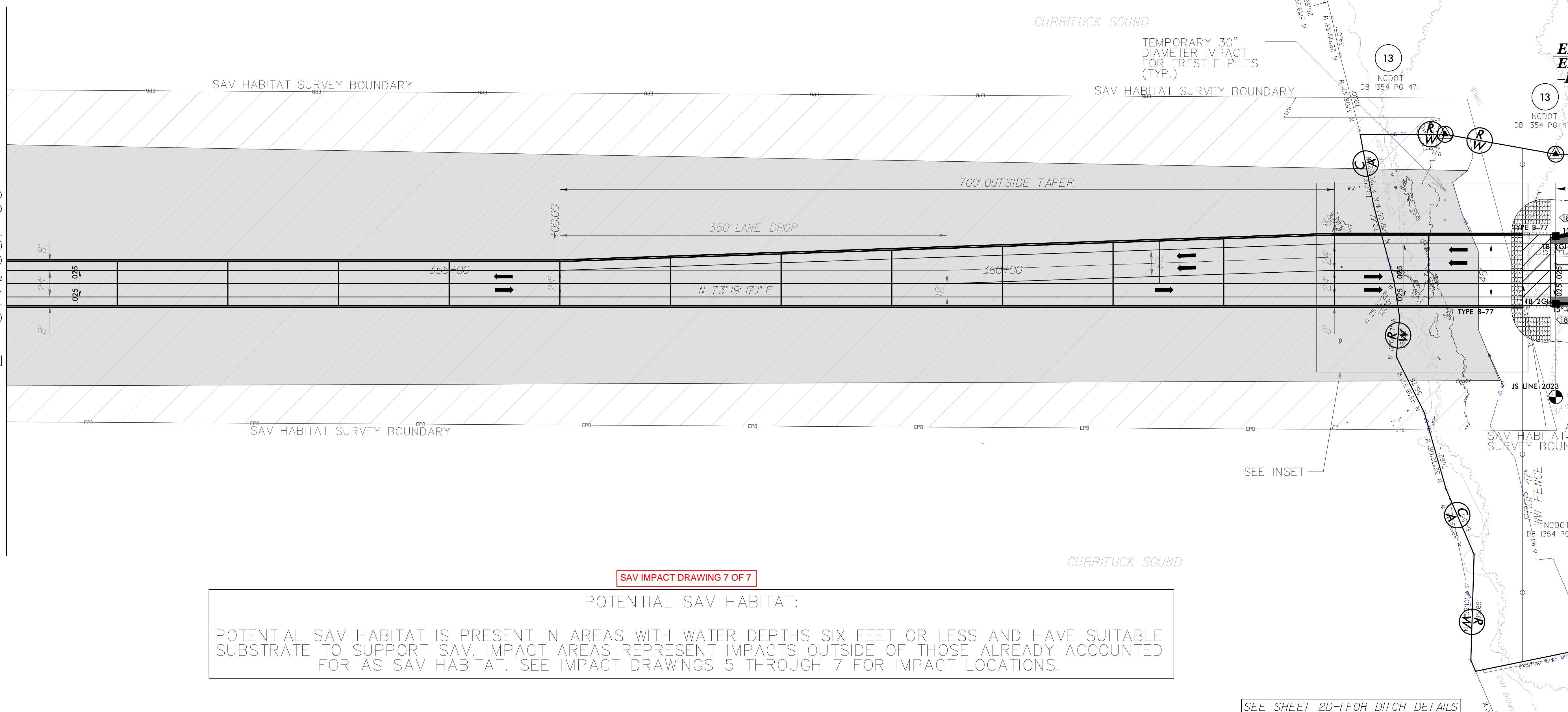
- WATER DEPTH 6 FT OR LESS
- SAV HABITAT
- POTENTIAL PERMANENT PILE IMPACTS
- POTENTIAL TEMPORARY PILE IMPACTS



TEMPORARY 30" DIAMETER IMPACT FOR TRESTLE PILES (TYP.)



MATCHLINE SHEET 16  
-L- STA. 351+00



SAV IMPACT DRAWING 7 OF 7

POTENTIAL SAV HABITAT:

POTENTIAL SAV HABITAT IS PRESENT IN AREAS WITH WATER DEPTHS SIX FEET OR LESS AND HAVE SUITABLE SUBSTRATE TO SUPPORT SAV. IMPACT AREAS REPRESENT IMPACTS OUTSIDE OF THOSE ALREADY ACCOUNTED FOR AS SAV HABITAT. SEE IMPACT DRAWINGS 5 THROUGH 7 FOR IMPACT LOCATIONS.

SEE SHEET 2D-I FOR DITCH DETAILS  
SEE SHEET 35 FOR -L- PROFILE