



## **ADDENDUM NUMBER THREE – JUNE 28, 2021**

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Metropolitan Park District of the Toledo Area  
6101 Fallen Timbers Lane  
Maumee OH 43537

**PROJECT: Metroparks Toledo – Swan Creek Connector Trail, 4301 Airport Hwy., Toledo, Ohio 43615 – PID 107469**

**BID DUE DATE: UNCHANGED – FRIDAY, JULY 02, 2021, 12 PM LOCAL TIME**

Metroparks of the Toledo Area would like to issue Addendum #3 related to the above indicated project.

The following items to be changed in the bid documents shall hereinafter become part thereof and shall supersede all other specifications wherein there may be a conflict. The contractor shall perform all work in connection with said items or change as required to integrate the change with all related work under this project bid specification in a manner as to maintain the project schedule of and the continuity of quality work.

### **GENERAL:**

#### **Item No. 1: CLARIFICATION**

Question: *In regards to Addendum #2, Item No. 9, it states, “Seeding along the trail will be performed by Metroparks Toledo.” Will the seeding and mulching items in the proposal form be removed or non-performed?*

Response: The seeding and mulching item in the proposal form are hereby removed from the base bid. Final, permanent, base bid seeding will be by Metroparks. Alternate One seeding and mulching item shall be the responsibility of the Contractor. The contractor is responsible for all SWPPP related temporary seeding for the duration of the project. Please replace Proposal Form Page 15 with revised Proposal Page 15 attached herein.

#### **Item No. 2: CLARIFICATION**

Question: *Will Metroparks Toledo consider any of the following alternates to the proposed retaining wall on Byrne Road?*

- a. ReCon™ by ReadingRock      b. SiennaStone™ by Unilock

Response: Yes, provided the block manufacturing plant is NPCA certified, the block meet ASTM-1776 Specifications and meets the aesthetic approval of Metroparks and the City of Toledo.



## ADDENDUM NUMBER THREE – CONTINUED – JUNE 28, 2021

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### **Item No. 3: CLARIFICATION**

Question: *Will Metroparks Toledo consider the staging of tools & material outside of the construction limits on park property? Specifically, the parking area off of Airport Highway, or the lot off of Highland Lane included in Sheet C14.*

Response: Portions of the Airport Hwy. parking lots can absolutely be made available for contractor staging. Metroparks will work with the Contractor in consideration of any use of existing park land areas adjacent to Highland Lane and Airport Hwy. Any use of these areas must be confirmed by the Metroparks prior to any lay-down, and must be fully restored to existing conditions upon project completion.

### **Item No. 4: CLARIFICATION**

Question: *Will Metroparks Toledo consider the installation of temporary turnaround locations for trucks and equipment along the trail outside of the proposed construction limits?*

Response: Metroparks will work with the Contractor in consideration of any limited, temporary turnaround(s). Any such area must be fully restored to existing conditions upon completion.

### **Item No. 5: CLARIFICATION**

Question: *Will Metroparks Toledo consider allowing disturbance limits within Wetland 4 on plan sheets C18 and S1?*

Response: No disturbance is allowed within Wetland 4.

### **Item No. 6: CHANGE**

Comment: TrueNorth Steel – Drainage & Modular Bridge is hereby granted pre-approval as a manufacturer (per the Sheet S3 2.3 Plan Note).

### **Item No. 7: CLARIFICATION**

Question: *Will the Owner provide a copy of the Waterway/Wetland Permit Application/Authorization from the USACE/OEPA to the Bidders?*

Response: See attachments herein.

### **Item No. 8: CLARIFICATION**

Question: *Is causeway construction to be in accordance with Temporary Access Fills per ODOT SS832 or is there other specifications that will govern? Specifically, will the Contractor be required to perform and submit hydraulic calculations for causeway design per SS 832, or has that analysis already been performed by the Engineer?*

Response: The contractor must maintain flow of 936 cfs with conduit per the attached Temporary Construction, Access and Dewatering Activities Permit Checklist. The contractor is responsible for the calculations verifying the capability of handling this flow.



## ADDENDUM NUMBER THREE – CONTINUED – JUNE 28, 2021

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### **Item No. 9: CLARIFICATION**

Question: *Has the Owner/Engineer submitted for / obtained floodplain/floodway permits for both the permanent and temporary impacts associated with this project? If so, will those documents be provided to the Bidders?*

Response: See attachments herein.

### **Item No. 10: CLARIFICATION**

Question: *Are CAD files available for the Bidders for this project?*

Response: CAD files will only be provided to the selected contractor for reference.

### **Item No. 11: INFORMATIONAL**

The current project Plan-Holder List is attached herein.

### **Item No. 12: INFORMATIONAL**

Bidder inquiries will not be addressed after 12:00 pm Friday, June 25, 2021 in order to maintain the bid due date of Friday, July 2, 2021, 12 PM Local Time.

### **Attachments:**

- Revised Proposal Page 15
- USACE Authorization – Section 404
- Local Floodplain/Floodway Permits
- Temporary Construction, Access and Dewatering Activities Permit Checklist
- Current Plan-Holder's List

Jon Zvanovec  
Project Manager  
The Metropolitan Park District of the Toledo Area

END OF ADDENDUM NUMBER THREE, JUNE 28, 2021

NOTE: Bidders must acknowledge receipt of this Addendum on the proposal form.

## **BID PROPOSAL FORM - *continued***

### **BASE BID UNIT PRICES: Basis of payment for construction work.**

The following unit prices are submitted as basis of payment for ODOT pay items related to this Congestion Mitigation and Air Quality (CMAQ) – grant funded work. The unit price shall be complete including all labor, materials, necessary tools, expendable equipment, insurance, utilities, transportation, and other services necessary to perform the work required for completion of said construction.

| ITEM #                       | DESCRIPTION                           | QTY   | UNIT | PRICE PER UNIT | TOTAL      |
|------------------------------|---------------------------------------|-------|------|----------------|------------|
| <b>GENERAL</b>               |                                       |       |      |                |            |
| 201                          | CLEARING AND GRUBBING                 | 1     | LUMP | \$             | \$         |
| 201                          | TREE REMOVED, UNDER 18" SIZE          | 61    | EACH | \$             | \$         |
| 201                          | TREE REMOVED, 18"                     | 28    | EACH | \$             | \$         |
| 201                          | TREE REMOVED, 30"                     | 3     | EACH | \$             | \$         |
| 201                          | TREE REMOVED, 48"                     | 3     | EACH | \$             | \$         |
| 203                          | EXCAVATION                            | 2438  | CY   | \$             | \$         |
| 203                          | EMBANKMENT                            | 1169  | CY   | \$             | \$         |
| 204                          | SUBGRADE COMPACTION                   | 8093  | SY   | \$             | \$         |
| <b>TOTAL GENERAL</b>         |                                       |       |      | \$             |            |
| <b>EROSION CONTROL</b>       |                                       |       |      |                |            |
| 832                          | STORMWATER POLLUTION PREVENTION PLAN  | 1     | LUMP | \$             | \$         |
| 832                          | EROSION CONTROL                       | 22500 | EACH | \$ 1.00        | \$ 22,500. |
| <b>TOTAL EROSION CONTROL</b> |                                       |       |      | \$             |            |
| <b>DRAINAGE</b>              |                                       |       |      |                |            |
| 601                          | ROCK CHANNEL PROTECTION, TYPE D       | 215   | CY   | \$             | \$         |
| 611                          | 12" CONDUIT, TYPE A                   | 80    | FT   | \$             | \$         |
| 611                          | 24" CONDUIT, TYPE A                   | 11    | FT   | \$             | \$         |
| 611                          | 36" CONDUIT, TYPE A                   | 133   | FT   | \$             | \$         |
| 611                          | MANHOLE ADJUSTED TO GRADE, STA. 13+50 | 1     | LUMP | \$             | \$         |
| <b>TOTAL DRAINAGE</b>        |                                       |       |      | \$             |            |



DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS, HUNTINGTON DISTRICT  
502 8<sup>TH</sup> STREET  
HUNTINGTON, WV 25701

February 21, 2020

Regulatory Division  
South/Transportation Branch  
LRH-2019-01016-MAU – Swan Creek  
LUC-Swan Creek Trail, PID 107469

Mr. Timothy Hill  
The Ohio Department of Transportation  
1980 West Broad Street, Mail Stop 4170  
Columbus, Ohio 43223

Dear Mr. Hill:

This letter is in response to your Pre-Construction Notification (PCN) and plans received by this office on December 18, 2019, requesting authorization for the discharge of dredged and/or fill material into waters of the United States (U.S.) to facilitate construction of the Swan Creek Trail. The proposed project would connect the City of Maumee with the Swan Creek Metropark and University of Toledo Medical Center, in Lucas County, Ohio. The proposed discharges of dredged or fill material represent five (5) single and complete projects, as described in the enclosed Table 1 and Exhibit A.

The U.S. Army Corps of Engineers' (Corps) authority to regulate waters of the U.S. is based on the definitions and limits of jurisdiction contained in 33 CFR 328 and 33 CFR 329. Section 404 of the Clean Water Act (Section 404) requires that a Department of the Army (DA) permit be obtained prior to discharging dredged or fill material into waters of the U.S., including wetlands. Section 10 of the Rivers and Harbors Act of 1899 (Section 10) requires that a DA permit be obtained for any work in, on, over or under a navigable water.

The Corps has performed a preliminary jurisdictional determination (PJD) for the aquatic resources within the review area for the proposal. Based on the provided information this office has determined that the aquatic resources described in the enclosed PJD form **may** be jurisdictional waters of the U.S. This determination has been made in accordance with the Regulatory Guidance Letter (RGL) for Jurisdictional Determinations issued by the Corps on October 31, 2016 (RGL No. 16-01). As indicated in the guidance, this PJD is non-binding and cannot be appealed (33 CFR 331.2), and only provides a written indication that waters of the U.S., including wetlands, may be present on-site.

You have declined to exercise the option to obtain an approved jurisdictional determination in this instance and at this time. For the purposes of the determination of impacts, compensatory mitigation, and other resource protection measures for activities that require authorization from this office, the aquatic resources described in the enclosed PJD will be evaluated as if they are waters of the U.S.

Enclosed please find two copies of the PJD. If you agree with the findings of this PJD and understand your options regarding the same, please sign and date one copy of the form and return it to this office within 30 days of receipt of this letter. You should submit the signed copy to the following address:

Mr. Brett C. Latta, CPG (LRH-2019-01016-MAU)  
U.S. Army Corps of Engineers - Huntington District  
Ohio Regulatory Transportation Office  
Building 10 / Section 10, PO Box 3990  
Columbus, Ohio 43218-3990


In the PCN, you requested a DA authorization for the permanent discharge of dredged and/or fill material into a total 214 linear feet of jurisdictional streams, and for the permanent discharge of fill material into 0.03-acre of jurisdictional wetlands, at five single and complete project locations. You have also requested a DA authorization for temporary discharges of dredged or fill material into waters of the U.S. for construction access. See the enclosed Table 1 for a detailed summary of proposed discharges of dredged or fill material. Based on your description of the proposed work, and other information available to us, the Corps has determined that the proposed projects will include the discharge of dredged or fill material into waters of the U.S. subject to the requirements of Section 404.

Based on the provided information, the Corps has determined that the proposed discharges of dredged or fill material, as described in Table 1, meet the criteria of Nationwide Permit (NWP) 14, *Linear Transportation Projects*, under the January 6, 2017 Federal Register, Issuance and Reissuance of NWPs (82 FR 1860). **The enclosed special conditions are hereby included as part of this verification and must be met to validate these authorizations.** The Ohio Environmental Protection Agency (Ohio EPA) issued a general Section 401 Water Quality Certification (401 WQC) with conditions for this NWP on March 17, 2017. Copies of the NWP and the 401 WQC can be found at <http://www.lrh.usace.army.mil/Missions/Regulatory.aspx>.

Please be aware these NWP authorizations do not obviate the requirement to obtain other Federal, state or local authorizations required by law. These verifications are valid until the expiration date of the NWP, unless the NWP authorization is modified, suspended, or revoked. The verifications will remain valid if the NWP authorization is reissued without modification or the activity complies with any subsequent modification of the NWP authorization. All of the existing NWPs are scheduled to be modified, reissued, or revoked on March 18, 2022. Prior to this date, it is not necessary to contact this office for re-verification of your project(s) unless the plans for the proposed activities are modified. Furthermore, if you commence or under contract to commence these activities before March 18, 2022, you will have 12 months from the date of the modification or revocation of the NWPs to complete the activities under the present terms and conditions of these NWPs.

A copy of this NWP and this verification letter must be supplied to your project engineer responsible for construction activities. A copy of the NWP and this verification letter must be kept at the site during construction. Upon completion of the work, the enclosed certification must be signed and returned to this office. A copy of this letter has been provided to those on the enclosed Recipient List. If you have any questions concerning the above, please contact Brett C. Latta of the Columbus Field Office at (614) 692-4672 or by e-mail at [Brett.C.Latta@usace.army.mil](mailto:Brett.C.Latta@usace.army.mil).

Sincerely,

 Date: 2020.02.21  
16:22:55 -05'00'

Susan A. Porter  
Chief, South/Transportation Branch

Enclosures

## Recipient List

cc w/o enclosures:

Ms. Diana Welling  
The Ohio History Connection  
800 East 17<sup>th</sup> Avenue  
Columbus, Ohio 43211-2474

cc w/ enclosures via e-mail:

Mr. Brandon Beck  
The Ohio Environmental Protection Agency  
Division of Surface Water  
P.O. Box 1049  
Columbus, OH 43216-1049  
[Brandon.Beck@epa.ohio.gov](mailto:Brandon.Beck@epa.ohio.gov)

Ms. Adrienne Earley  
The Ohio Department of Transportation  
1980 West Broad Street, Mail Stop 4170  
Columbus, Ohio 43223  
[Adrienne.Earley@dot.ohio.gov](mailto:Adrienne.Earley@dot.ohio.gov)

Mr. Mike Pettegrew  
The Ohio Department of Natural Resources  
Office of Real Estate  
2045 Morse Road, Bldg E-2  
Columbus, Ohio 43229  
[Mike.Pettegrew@dnr.state.oh.us](mailto:Mike.Pettegrew@dnr.state.oh.us)

Mr. John Kessler  
The Ohio Department of Natural Resources  
Office of Real Estate  
2045 Morse Road, Bldg E-2  
Columbus, Ohio 43229  
[John.Kessler@dnr.state.oh.us](mailto:John.Kessler@dnr.state.oh.us)

Mr. Jeffrey Boyles  
The Ohio Environmental Protection Agency  
Division of Surface Water  
P.O. Box 1049  
Columbus, OH 43216-1049  
[Jeffrey.Boyles@epa.ohio.gov](mailto:Jeffrey.Boyles@epa.ohio.gov)

Mr. Matt Raymond  
The Ohio Department of Transportation  
1980 West Broad Street, Mail Stop 4170  
Columbus, Ohio 43223  
[Matt.Raymond@dot.ohio.gov](mailto:Matt.Raymond@dot.ohio.gov)

Ms. Karen Hallberg  
The U.S. Fish and Wildlife Service  
4625 Morse Road, Suite 104  
Columbus, Ohio 43230  
[Karen\\_Hallberg@fws.gov](mailto:Karen_Hallberg@fws.gov)

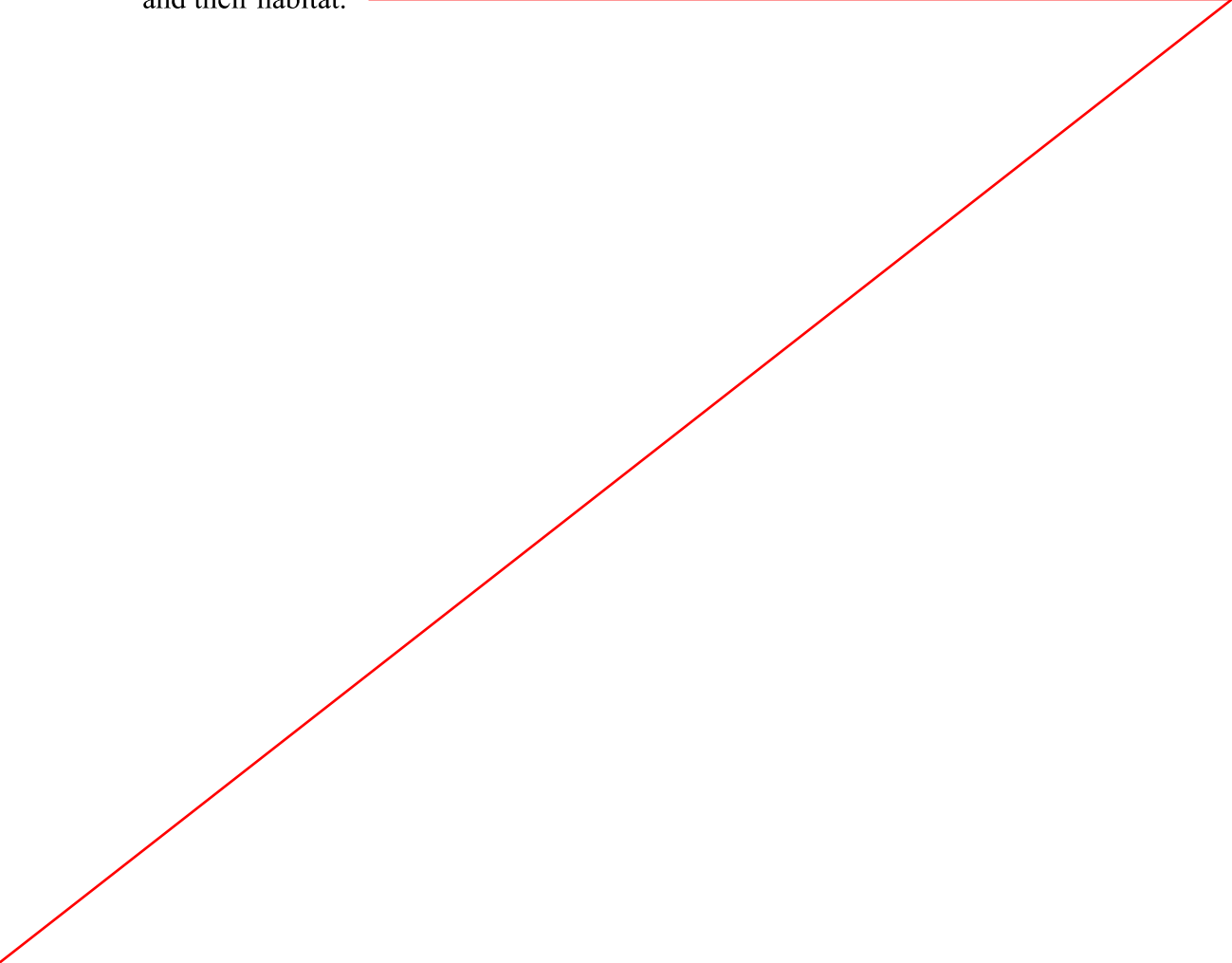
Ms. Lindsey M. Korfel  
The U.S. Fish and Wildlife Service  
4625 Morse Road, Suite 104  
Columbus, Ohio 43230  
[Lindsey\\_Korfel@fws.gov](mailto:Lindsey_Korfel@fws.gov)

SPECIAL CONDITIONS OF NWP VERIFICATIONS ISSUED TO  
THE OHIO DEPARTMENT OF TRANSPORTATION

LRH-2019-01016-MAU – Swan Creek

LUC-Swan Creek Trail, PID 107469

Page 1 of 1

1. All work will be conducted in accordance with the submitted pre-construction notification (PCN) for the LUC-Swan Creek Trail project received in this office on December 18, 2019.
  2. The permittee's authorization under this verification is conditional upon their compliance with all of the mandatory terms and conditions of the Framework Programmatic Biological Opinion (PBO) on the Ohio Department of Transportation's Federal-Aid Highway Program for the Federally Endangered Indiana Bat (*Myotis sodalis*) and Federally Threatened Northern Long-eared Bat (*Myotis septentrionalis*), submitted to the Ohio Department of Transportation (ODOT) executed on 29 February 2016.
  3. No in-water work, including dewatering, shall occur in Swan Creek for Single and Complete Project #4 from April 15 through June 30 to reduce impacts to aquatic species and their habitat.
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**Table 1 – Nature of Proposed Discharges into Waters of the United States**  
**LRH-2019-01016-MAU; LUC-Swan Creek Trail, PID: 107469**  
**Nationwide Permit 14, *Linear Transportation Projects***

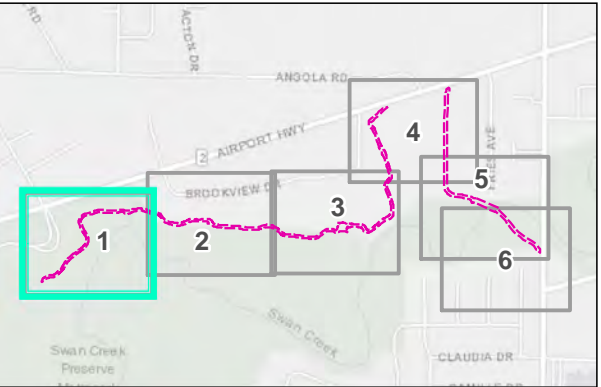
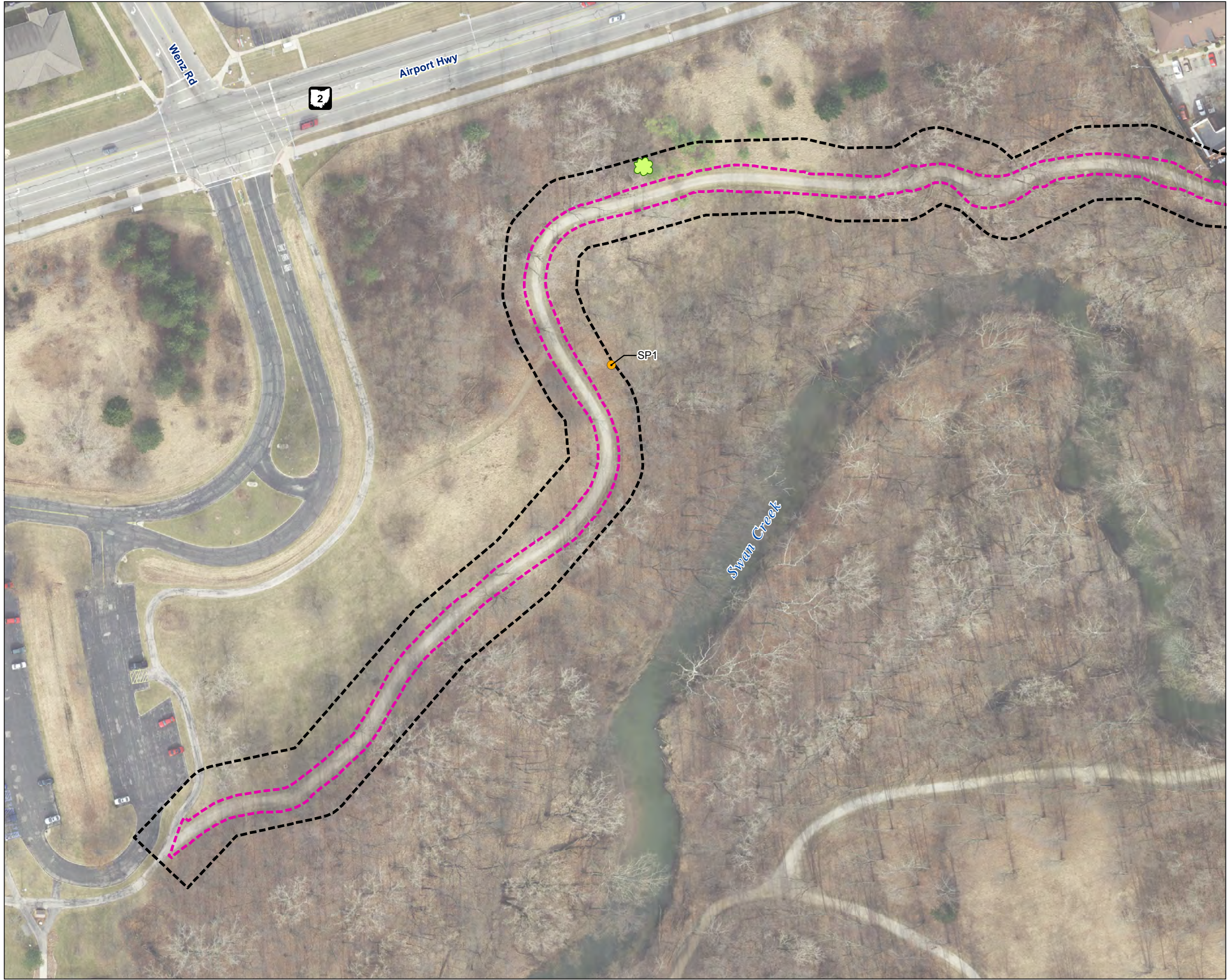
| Corps Single & Complete Project ID / Aquatic Resource ID         | Approx. Station | Type of Fill Activity           | Permanent        |                          |                        | Temporary        |                    |             |
|--|-----------------|---------------------------------|------------------|--------------------------|------------------------|------------------|--------------------|-------------|
|  |                 |                                 | Fill Volume (cy) | Fill Area (ac)           | Length (lf)            | Fill Volume (cy) | Fill Area (ac)     | Length (lf) |
| 1 / Stream 1   | 22+00           | Culvert extension               | 2                | 0.002                    | 42                     | 0                | 0.000              | 0           |
| 2 / Stream 2   | 40+75           | New culvert installation        | 19               | 0.014                    | 147                    | 0                | 0.000              | 0           |
| 3 / Wetland 3  | 70+00           | Asphalt trail installation      | 48               | 0.030                    | N/A                    | 0                | 0.000              | N/A         |
| 4 / Swan Creek   | 75+00           | New pre-fab bridge installation | 7                | 0.001                    | 25                     | 132              | 0.050 <sup>4</sup> | 75          |
| <b>4 / Wetland 4</b>   | <b>74+90</b>    | <b>None (Category 3 PFO)</b>    | <b>0</b>         | <b>0.000</b>             | <b>N/A</b>             | <b>0</b>         | <b>0.000</b>       | <b>N/A</b>  |
| 5 / Wetland 5  | 77+25           | Construction access             | 0                | 0.000                    | N/A                    | 16               | 0.010 <sup>4</sup> | N/A         |
| 5 / Wetland 6  | 79+00           | Construction access             | 0                | 0.000 <sup>1</sup>       | N/A                    | 173              | 0.107 <sup>4</sup> | N/A         |
| <b>Stream Totals</b>   |                 |                                 | <b>28</b>        | <b>0.017</b>             | <b>214<sup>2</sup></b> | <b>132</b>       | <b>0.050</b>       | <b>75</b>   |
| <b>Wetland Totals</b>  |                 |                                 | <b>48</b>        | <b>0.030<sup>3</sup></b> | <b>N/A</b>             | <b>189</b>       | <b>0.117</b>       | <b>N/A</b>  |
| <b>Waters of the United States - Cumulative Totals (rounded)</b> |                 |                                 | <b>76</b>        | <b>0.047</b>             | <b>214</b>             | <b>321</b>       | <b>0.167</b>       | <b>75</b>   |

<sup>1</sup> Note: Pier supports driven into Wetland 6 for the boardwalk would not result in a discharge of dredged or fill material.

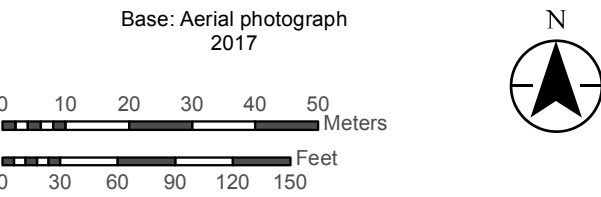
<sup>2</sup> Note: No stream mitigation is required.

<sup>3</sup> Note: No wetland mitigation is required.

<sup>4</sup> Note: Restoration and monitoring of Swan Creek, Wetland 5, and Wetland 6 after construction is required.

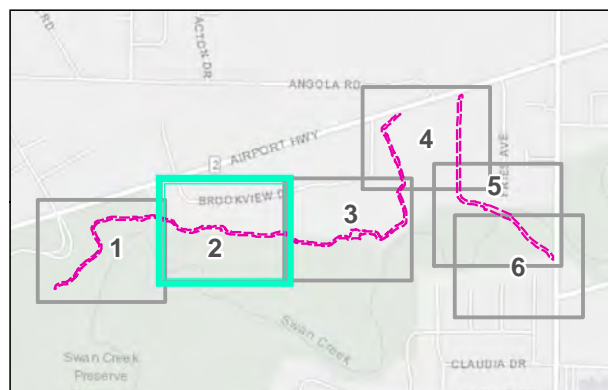


- Construction limits
- Study area
- Sample point
- Potential maternity roost tree

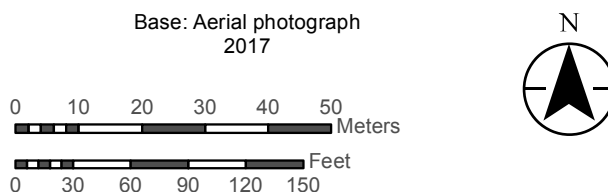


**Figure 3** **Sheet 1 of 6**

Aerial photograph (2017) showing the LUC-Swan Creek Trail (PID 107469) study area, construction limits, and ecological resources. (6 Sheets)

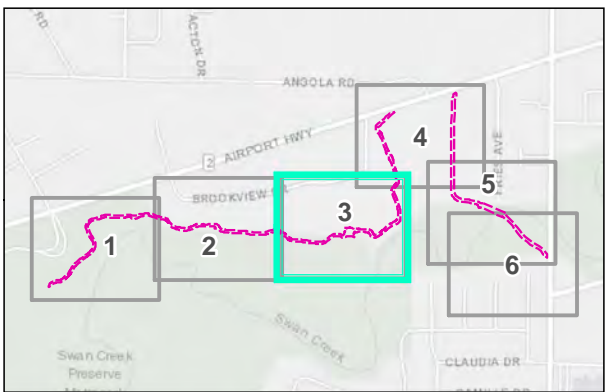
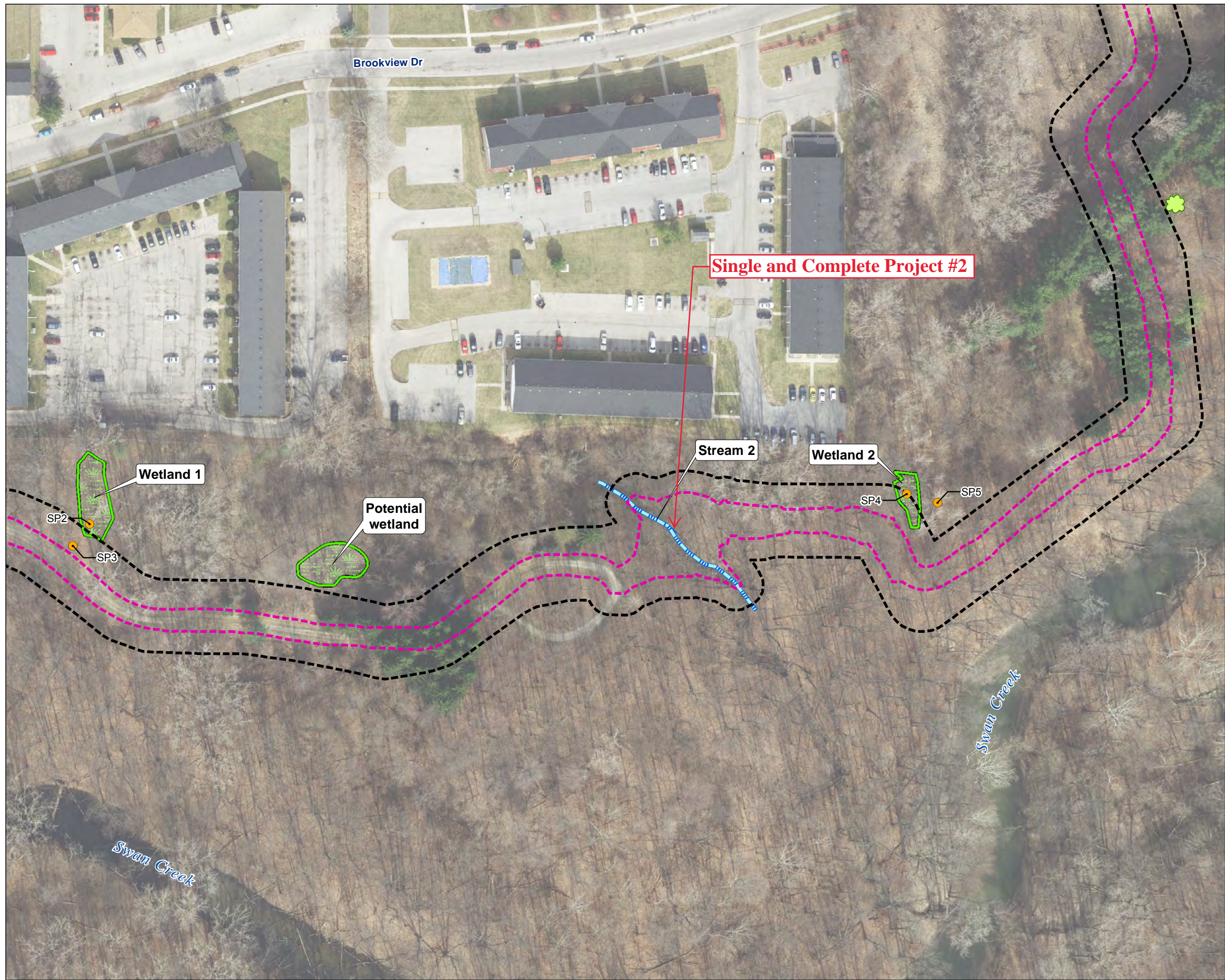


- Construction limits
- Study area
- Stream
- Potential maternity roost tree

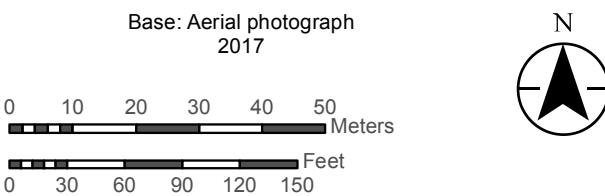


**Figure 3** **Sheet 2 of 6**

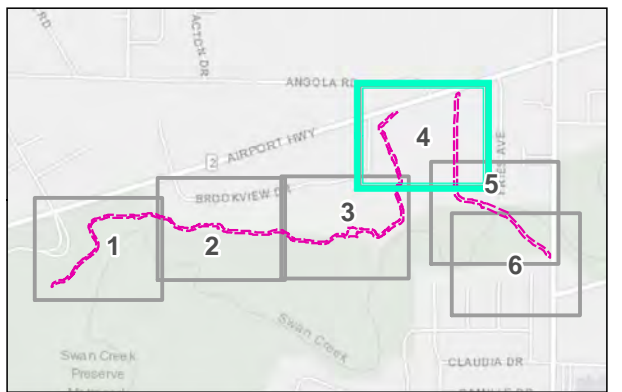
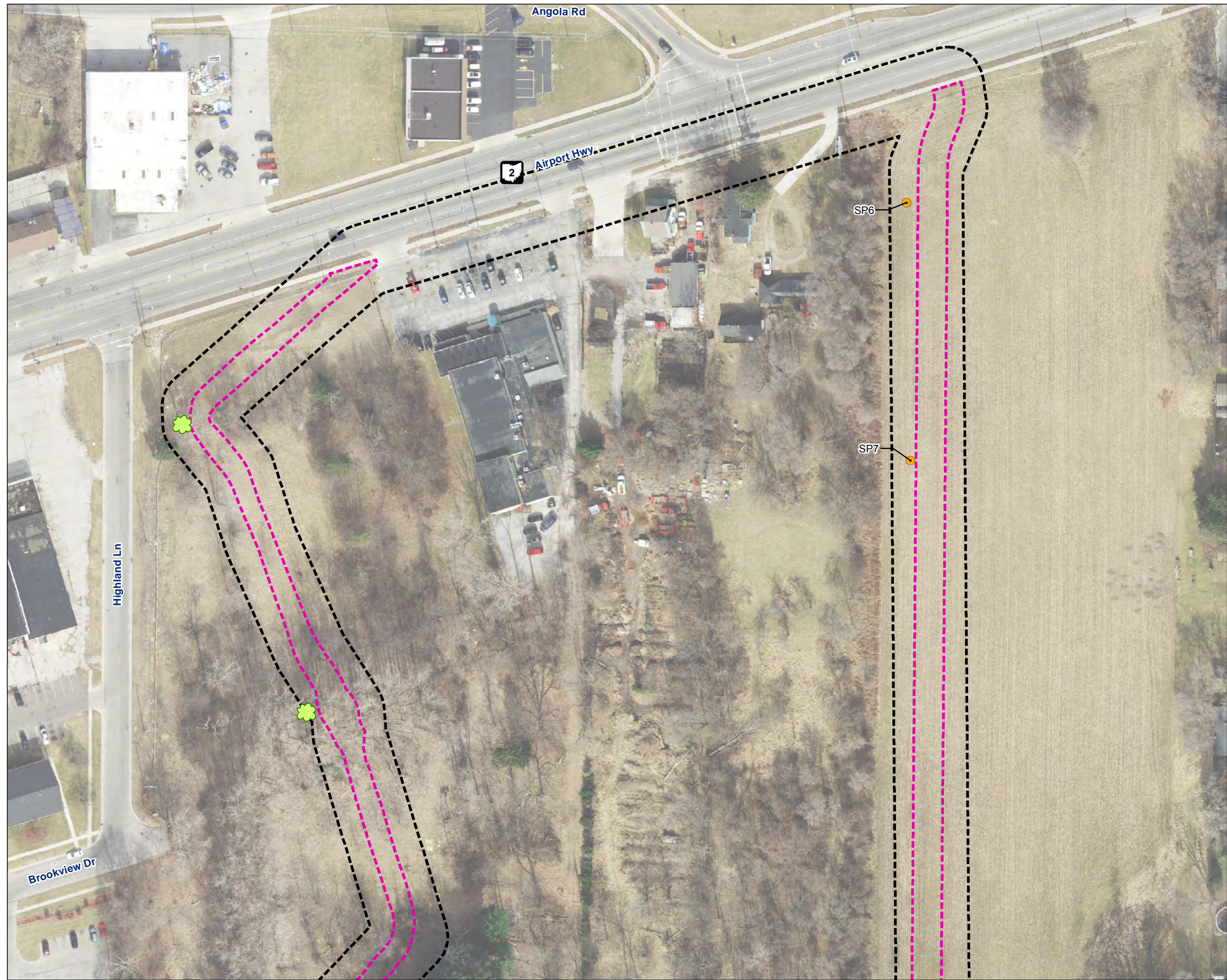
Aerial photograph (2017) showing the LUC-Swan Creek Trail (PID 107469) study area, construction limits, and ecological resources. (6 Sheets)



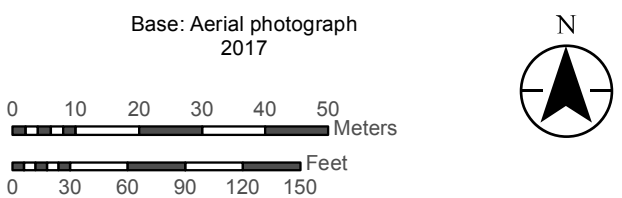
- Construction limits
- Study area
- Sample point
- Wetland
- Stream
- Potential maternity roost tree



**Figure 3** **Sheet 3 of 6**  
Aerial photograph (2017) showing the LUC-Swan Creek Trail (PID 107469) study area, construction limits, and ecological resources. (6 Sheets)

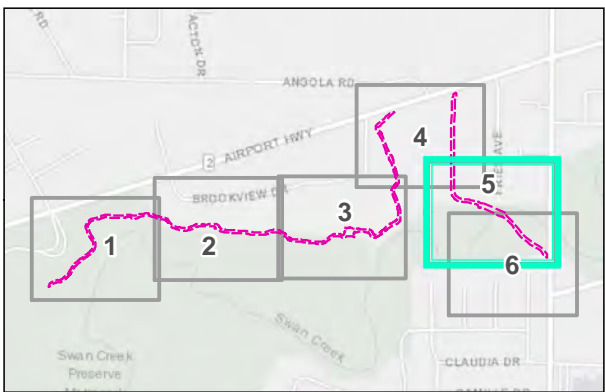
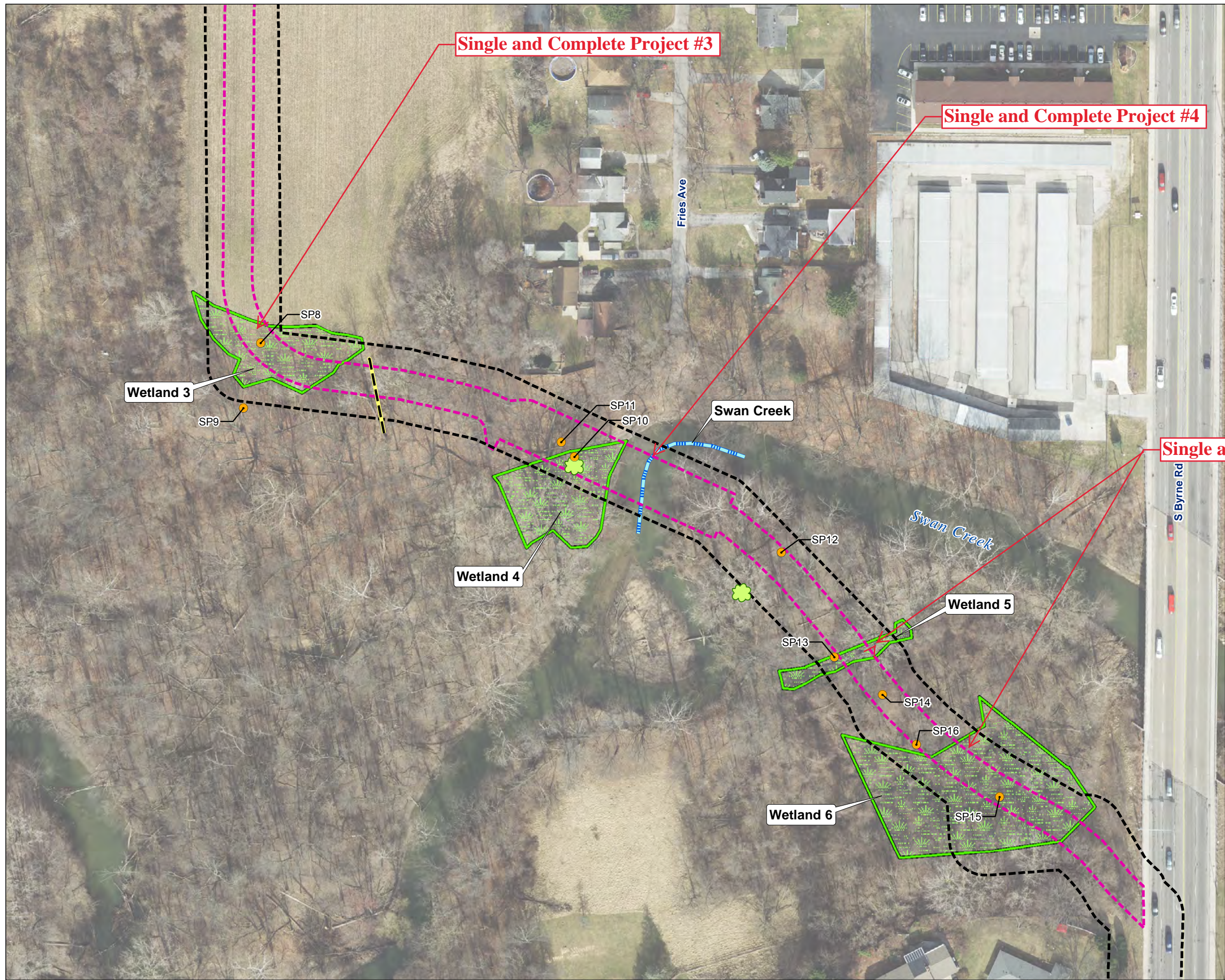


- Construction limits
- Study area
- Sample point
- Potential maternity roost tree

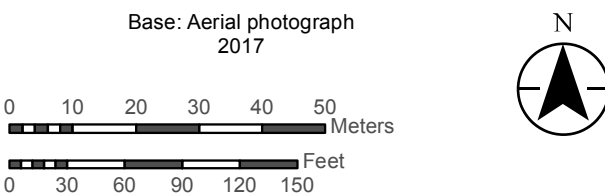


**Figure 3** **Sheet 4 of 6**

Aerial photograph (2017) showing the LUC-Swan Creek Trail (PID 107469) study area, construction limits, and ecological resources. (6 Sheets)

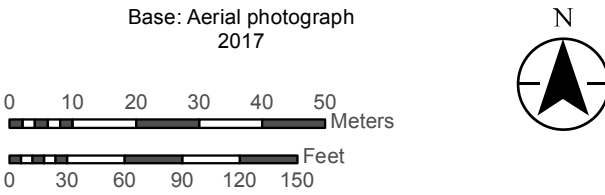
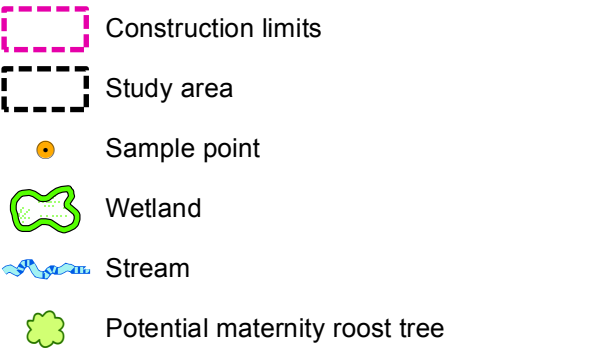
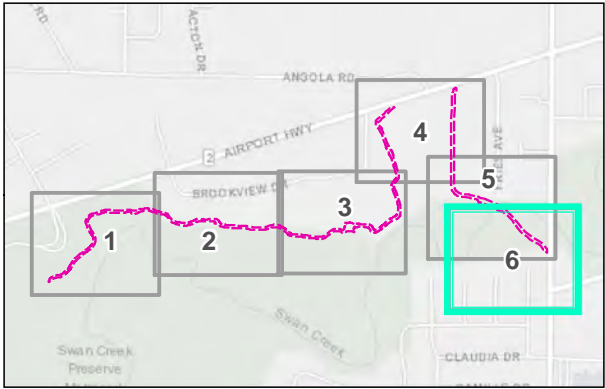


- Construction limits
- Study area
- Sample point
- Wetland
- Stream
- Erosional feature
- Potential maternity roost tree



**Figure 3** Sheet 5 of 6

Aerial photograph (2017) showing the LUC-Swan Creek Trail (PID 107469) study area, construction limits, and ecological resources. (6 Sheets)



**Figure 3** **Sheet 6 of 6**

Aerial photograph (2017) showing the LUC-Swan Creek Trail (PID 107469) study area, construction limits, and ecological resources. (6 Sheets)



**U.S. Army Corps of Engineers  
Huntington District**

Permit Number: LRH-2019-01016-MAU

Name of Permittee: The Ohio Department of Transportation

Date of Issuance: 21 February 2020

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the following address:

U.S. Army Corps of Engineers  
Huntington District  
Ohio Regulatory Transportation Office  
Building 10 / Section 10  
PO Box 3990  
Columbus, Ohio 43218-3990

Please note that your permitted activity is subject to a compliance inspection by an U.S. Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above-referenced permit has been completed in accordance with the terms and conditions of the said permit, and required mitigation was completed in accordance with the permit conditions.

\_\_\_\_\_  
Signature of Permittee

\_\_\_\_\_  
Date

## Temporary Construction, Access and Dewatering Activities

### Permit Determination Checklist

The purpose of this form is to aid the Office of Environmental Services - Waterway Permits Unit (OES-WPU) in the permit determination process. This form shall be completed by the project designer and reflect the anticipated needs of the temporary fill. If the type and amount of temporary fill is unknown, assume a worst case scenario of what could be needed. A completed copy of this form and a temporary construction access plan shall be forwarded to the District Environmental Coordinator (DEC) to be included in the Permit Determination Request submitted to OES-WPU.

Co-Rte-Sec: LUC-Swan Creek Connector Trail

PID: 107469

Description: Construction of the bridge crossing will involve constructing a temporary causeway.

During the construction of this project, the following activities in the waters of the United States are anticipated: (check all that apply)

- ☐ Temporary structure for maintaining traffic
- ☐ Cofferdams
- ☒ Temporary access fill (e.g. causeways and work pads)
- ☐ Demolition and debris removal
- ☐ Dams, sumps and pumping

ODOT requires that temporary activity to accommodate a minimum flow equal to twice the highest mean monthly flow without creating a rise in backwater above the OHWM. **The minimum flow to be maintained throughout construction for this location is 936 cfs.** The means that will most likely be implemented by the Contractor to maintain this flow will be:

- ☒ Conduit(s)
- ☐ Open channel(s)\Temporary Bridge

Does the project meet flow requirements outlined in the Location & Design Manual ([L&D Vol.2 Section 1012](#))?  
<sup>x</sup> YES             NO

Different 404 permit types have different limitations and requirements. Please read the limitations and provide the required measurement as is applies for this project.

- ☒ The maximum length of temporary impact, as measured upstream to downstream along one bank, cannot exceed 300-ft. **Proposed temporary impact length for this project is 75 ft.**
- ☒ The duration of the impact to waters in the United States cannot exceed 2 Years. **Proposed temporary impact duration is 0.5 years.**
- ☐ The proposed temporary fill is within the flowage easement of a flood control facility\*.        YES  
       NO

\*Only applies to federal flood control facilities. Flowage easements associated with these facilities can occur several miles away from the facility. If uncertain that the project is in a flowage easement area, please consult your district's real estate office for assistance. Contact OES with further questions.

cc. District Environmental Coordinator (DEC)

A complete copy of the RGP with the OEPA conditions may be downloaded at the following website:  
[http://www.dot.state.oh.us/Divisions/Planning/Environment/Ecological\\_Resources/Permits/WATERWAY\\_PERMITS/Pages/default.aspx](http://www.dot.state.oh.us/Divisions/Planning/Environment/Ecological_Resources/Permits/WATERWAY_PERMITS/Pages/default.aspx)

2-18-20  
FLD20-0004

Rev. 08-01-15. CJZ

## FLOOD HAZARD AREA DEVELOPMENT PERMIT APPLICATION

Application is hereby made for a DEVELOPMENT PERMIT as required by the Special Purpose Flood Damage Reduction Regulations No. \_\_\_\_\_ of City of Toledo \_\_\_\_\_ (village/city/county) for development in an identified flood hazard area. All activities shall be completed in accordance with the requirements of said regulations. The development to be performed is described below and in attachments hereto. The applicant understands and agrees that:

- The permit applied for, if granted, is issued on the representations made herein;
- Any permit issued may be revoked because of any breach of representation;
- Once a permit is revoked all work shall cease until the permit is reissued or a new permit is issued;
- Any permit issued on this application will not grant any right or privilege to erect any structure or sue any premises described for any purposes or in any manner prohibited by the ordinances, codes, or regulations of the municipality;
- The applicant hereby gives consent to the Floodplain Administrator to enter and inspect activity covered under the provisions of the floodplain regulations;
- If issued, the FHA Development Permit form will be posted in a conspicuous place on the premises in plain view; and,
- If issued, the permit will expire if no work is commenced within one year of issuance.

Owner's Name: Metroparks Toledo Builder/Developer: Metroparks Toledo  
 Address: 5100 Central Ave., Toledo, OH 43615 Address: 5100 Central Ave., Toledo, OH 43615  
 Phone: (419)270-7500 Phone: (419)270-7500

### LOCATION OF DEVELOPMENT SITE

Swan Creek Preserve Metropark

1. Location of proposed development site address: 4659 Airport Hwy, Toledo, OH 43615
2. Legal description: 3 18 NE 1/4 IRREG 5.40 AC POE IN NE CO R SE 1/4 S OF CREEK BEING 334.73 FT FRT

*Attach a location map showing the location of the development site relative to adjacent sites. A location map may be a copy of the tax or plat map, including scale, showing the parcel where development activity will occur.*

### DESCRIPTION OF WORK

3a. Kind of development proposed (check all that apply):

- |  |   |
|--|---|
| <input type="checkbox"/> Residential structure<br><input type="checkbox"/> New structure<br><input type="checkbox"/> Addition to structure<br><input type="checkbox"/> Renovations/repairs/maintenance<br><input type="checkbox"/> Manufactured home installation<br><br><input type="checkbox"/> Accessory structure: Dimensions: _____<br><br><input type="checkbox"/> Filling or grading<br><br><input type="checkbox"/> Materials/equipment storage: Describe type _____<br><br><input type="checkbox"/> Watercourse alteration (any change that occurs within the banks of a watercourse)<br><br><input type="checkbox"/> Water supply / sewage disposal<br><br><input type="checkbox"/> Subdivision greater than 50 lots or 5 acres<br><br><input type="checkbox"/> Other: _____ | <input checked="" type="checkbox"/> Non-residential structure<br><input checked="" type="checkbox"/> New structure<br><input type="checkbox"/> Addition to structure<br><input type="checkbox"/> Renovations/repairs/maintenance<br><br><input type="checkbox"/> Dredging or excavation or mining<br><br><input checked="" type="checkbox"/> Bridge or culvert placement / replacement<br><br><input type="checkbox"/> Other development greater than 5 acres |
|--|---|

Additional activity description: Construction of a pedestrian bridge and elevated boardwalk above the floodplain of Swan Creek.

- 3b. If the proposed construction is an addition, renovation, repair or maintenance to an existing structure, indicate the cost of proposed construction \$ N/A. What is the estimated market value of the existing structure \$ N/A?

## NOTES AND ADDITIONAL SUBMITTAL REQUIREMENTS:

- In addition to completion of this form the applicant agrees to submit any additional information required by the floodplain administrator in order to determine that the proposed development is compliant with the local and federal flood damage prevention criteria of the National Flood Insurance Program. Site plans for all development proposals must:
  - Be drawn to scale with north arrow.
  - Show property boundaries, floodway, and floodplain lines.
  - Show dimensions of the lot.
  - Show dimensions and location of existing and/or proposed development on the site.
  - Show areas to be cut and filled.
- Applications for residential and non-residential structures must also include:
  - The proposed lowest floor elevation based on the datum used on the effective Flood Insurance Rate Map and base flood elevation for the site.
  - Identification of whether the structure has a basement or enclosure below the lowest floor, and if it contains a basement or enclosure, detailed drawings showing foundation openings to allow passage of floodwaters.
  - Description of how building utilities will be protected from flood waters including drawings showing locations of such utilities.
  - Detailed description of anchoring system for all mobile and manufactured homes.
  - Description of construction materials that will be used below the flood protection elevation.
- An existing structure must comply with the flood protection standards if it is substantially improved (an improvement equal to or greater than 50% of the market value of the structure). The "substantial improvement" definition applies to existing structures only and that once a structure meets the definition of "new construction" any further improvements to that structure must meet "new construction" requirements. For floodplain management purposes "new construction" means structures for which "start of construction" began on or after the effective date of the initial Flood Insurance Rate Map issued by FEMA for the community.
- Any Pre-FIRM structure within the FHA that has sustained damage from any source (flood, fire, etc...) must be evaluated to determine if the structure is "substantially damaged" (damaged to 50% or more of the market value of the structure). If the structure is "substantially damaged, the structure must be brought into compliance with the flood protection standards.
- For subdivision proposals greater than 5 acres or 50 lots, or large-scale developments greater than 5 acres, a hydrologic and hydraulic analysis must be conducted to determine base flood elevations in flood hazard areas where no base flood elevations are provided.
- A Conditional Letter of Map Revision (CLOMR) must be obtained for proposed projects that would result in more than a 1.0 foot increase in BFE on a watercourse that has been studied through detailed hydrologic and hydraulic analyses where BFEs have been specified, but no floodway has been designated **OR** when a project proposed (totally or partially within the floodway) along a watercourse for which detailed analyses have been conducted and BFEs and a floodway have been designated would result in any (greater than 0.0 foot) increase in the BFE.
- Applications for non-residential structures proposed to be floodproofed must have a completed FEMA floodproofing certification form attached (can only be completed by a Registered Professional Engineer or Architect).
- All development proposals determined to be located in a floodway must be accompanied by a hydrologic and hydraulic analysis showing impacts on of the development on flood heights (can only be completed by a Registered Professional Engineer).
- Development proposals that are considered alterations of a watercourse must be accompanied by an analysis showing that the flood carrying capacity of the watercourse has not been reduced.

I AGREE THAT ALL STATEMENTS IN AND ATTACHMENTS TO THIS APPLICATION ARE A TRUE DESCRIPTION OF THE EXISTING PROPERTY AND THE PROPOSED DEVELOPMENT ACTIVITY. I UNDERSTAND THE DEVELOPMENT REQUIREMENTS FOR SPECIAL FLOOD HAZARD AREA ACTIVITIES PER THE APPROPRIATE ORDINANCE OR RESOLUTION AND AGREE TO ABIDE THERETO. I UNDERSTAND IT IS MY RESPONSIBILITY TO OBTAIN ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL PERMITS.

Applicant's Signature: John J. Jono

Date: 02 / 13 / 2020

# FLOOD HAZARD AREA DEVELOPMENT PERMIT ADMINISTRATIVE CHECKLIST

NOTE: The following is to be completed by the local floodplain administrator. All references to elevations are in feet mean sea level (m.s.l.) according to the datum used on the effective Flood Insurance Rate Maps.

- The proposed development is in:
  - ☒ An identified floodway.
    - Does a hydrologic and hydraulic engineering analysis accompany the application ☒ Y ☒ N
    - Does the analysis have a certification that flood heights will not be increased ☒ Y ☒ N
    - Is the analysis certified by a Registered Professional Engineer ☒ Y ☒ N
  - ☐ A flood hazard area where base flood elevations exist with no identified floodway.
    - Does a hydrologic and hydraulic engineering analysis accompany the application ☐ Y ☐ N
    - Does the analysis have a certification that flood heights will be increased less than the height designated in the community's flood damage reduction regulations (in no case will this be more than one foot) ☐ Y ☐ N
    - Is the analysis certified by a Registered Professional Engineer ☐ Y ☐ N
  - ☐ An area within the floodplain fringe.
  - ☐ An approximate flood hazard area (Zone A).
  - ☐ Within the banks of a watercourse.
    - Does an analysis demonstrating that the flood carrying capacity has not been diminished accompany the application ☐ Y ☐ N

Base flood elevation (100-year) at proposed site 597.4 feet m.s.l.  
 Data source FIRM  
 Map effective date 8/16/2011 Community-Panel No. 3909500232E

- Does proposed development meet NFIP and local "Use and Development Standards" of your regulations?
  - ☒ Permitted Use.
  - ☐ Water and wastewater systems standards met.
  - ☐ Subdivision standards met (All public utilities and facilities safe from flooding, adequate drainage, flood elevations generated where applicable).
  - ☐ Residential/non-residential structures standards met. Lowest floor elevation \_\_\_\_\_ feet m.s.l.
    - Substantial improvement / substantial damage ☐ Y ☐ N
    - Anchored properly (manufactured home affixed to permanent foundation) ☐ Y ☐ N
    - Utilities protected against flooding ☐ Y ☐ N
    - Construction materials below flood protection elevation resistant to flood damage ☐ Y ☐ N
    - Lowest floor elevated to or above flood protection elevation (BFE + freeboard) ☐ Y ☐ N
    - Has an enclosure below lowest floor (crawl space, walkout basement) ☐ Y ☐ N
    - Enclosure have proper number and area of openings ☐ Y ☐ N
    - Enclosure unfinished and only used for parking, materials storage or entry ☐ Y ☐ N
  - ☐ Accessory structure standards met (square footage, use, foundation openings). ☐ Y ☐ N
  - ☐ Recreational vehicle standards met.
  - ☐ Above ground gas or liquid storage tank anchored.
  - ☐ Flood carrying capacity maintained for floodway development, areas where FEMA has provided BFE data but no floodways, or for alterations of a watercourse.

- Does proposed development trigger requirement to submit a Letter of Map Revision or Conditional Letter of Map Revision? ☒ Y ☒ N

## DECISION RECORD

- The proposed development is in compliance with applicable floodplain standards. **FLOOD HAZARD AREA DEVELOPMENT PERMIT ISSUED ON 2/18/2020**

- The proposed development is not in compliance with applicable floodplain standards. **FLOOD HAZARD AREA DEVELOPMENT PERMIT DENIED ON \_\_\_\_\_** Reason(s): \_\_\_\_\_

- The proposed development is exempt from the floodplain standards per Section \_\_\_\_\_ of the Flood Damage Prevention Ordinance (Resolution) No. \_\_\_\_\_

Administrator's Signature: [Signature] Date: 2/18/2020

# FLOOD HAZARD AREA DEVELOPMENT PERMIT

---

This permit is issued based on documentation that the information provided in the Flood Hazard Development Permit Application is in compliance with the CITY OF TOLEDO  
(Community Name) Flood Damage Reduction Regulations.

Address or property location: 4659 AIRPORT HWY TOLEDO OH 43615

Description of development activity: CONSTRUCTION OF PEDESTRIAN BRIDGE & ELEVATED BOARDWALK ABOVE THE FLOODPLAIN OF SWAN CREEK. NO RISE LETTER ATTACHED.

The permit applicant understands and agrees that:

- An as-built Elevation Certificate will be submitted to the Floodplain Administrator after the first floor of a new, substantially improved, or substantially damaged, residential or non-residential structure is constructed;
- A final Letter of Map Revision will be obtained where a Conditional Letter of Map Revision was required as part of the permit application;
- The permit is issued on the representations made herein and on the application for permit;
- The permit may be revoked because of any breach of representation;
- Once a permit is revoked all work shall cease until the permit is reissued or a new permit is issued;
- The permit will not grant any right or privilege to erect any structure or use any premises described for any purposes or in any manner prohibited by the codes or regulations of the community;
- The permittee hereby gives consent to the Floodplain Administrator to enter and inspect activity covered under the provisions of the Floodplain Management Regulations;
- The permit form will be posted in a conspicuous place on the premises in plain view; and,
- The permit will expire if no work is commenced within one year of issuance.

Issued by:   
Floodplain Administrator

Date: 2/18/2020

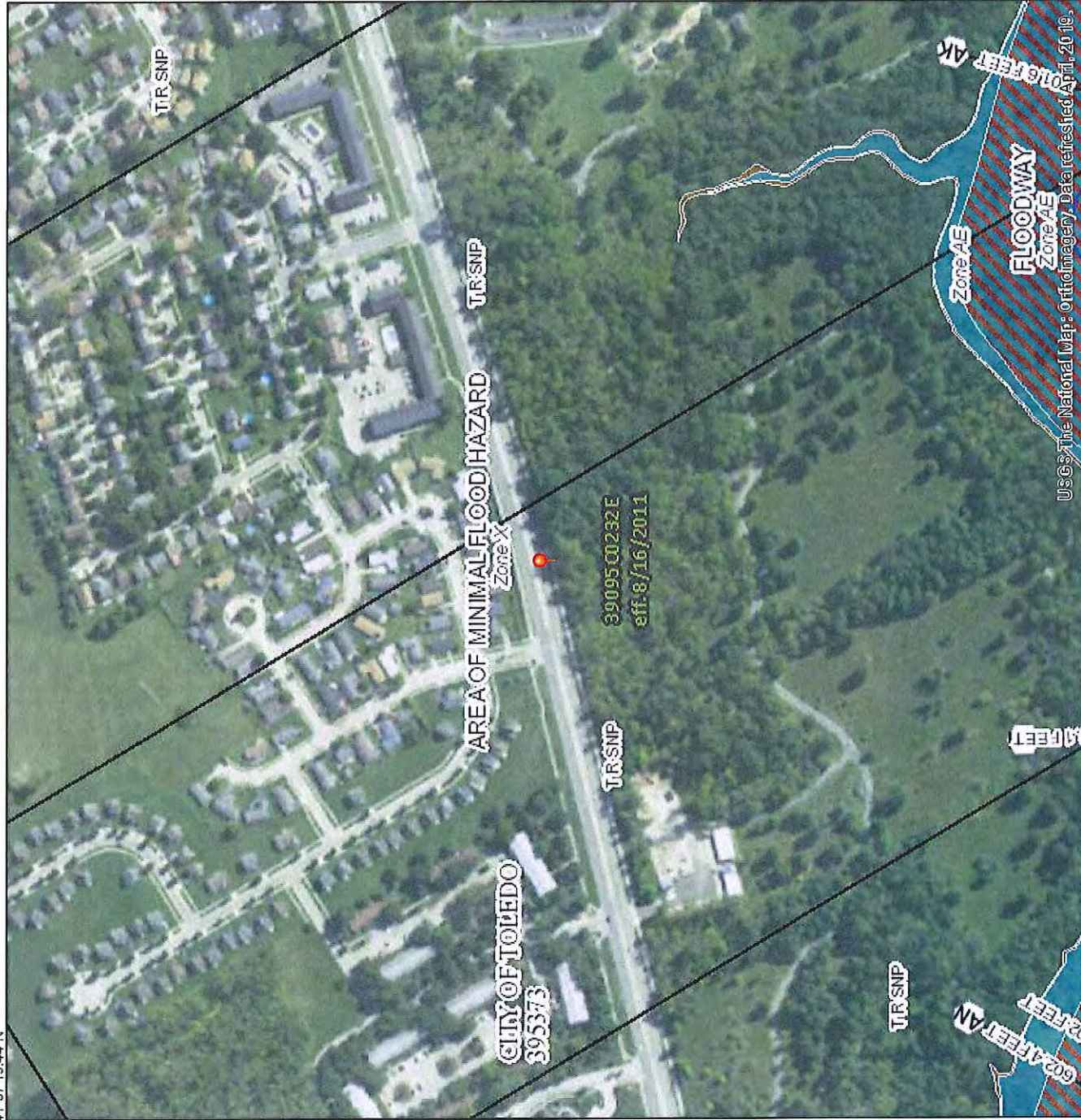
Permit Number: FLD20-0004

# National Flood Hazard Layer FIRMette



41°37'19.44"N

83°38'19.98"W



0 250 500 1,000 1,500 2,000 Feet 1:6,000

USGS The National Map: Orthoimagery Data refreshed April, 2019

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

| SPECIAL FLOOD HAZARD AREAS | Without Base Flood Elevation (BFE)<br>Zone A, V, X, S<br>With BFE or Depth Zone AE, AH, VE, AR<br>Regulatory Floodway |
|----------------------------|---|
|----------------------------|---|

| OTHER AREAS OF FLOOD HAZARD | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X<br>Future Conditions 1% Annual Chance Flood Hazard Zone X<br>Area with Reduced Flood Risk due to Levee, See Notes, Zone X<br>Area with Flood Risk due to Levee Zone D |
|-----------------------------|---|
|-----------------------------|---|

| OTHER AREAS        | Area of Minimal Flood Hazard Zone X<br>Effective LOMRs  |
|--------------------|---|
| GENERAL STRUCTURES | Area of Undetermined Flood Hazard Zone D<br>Channel, Culvert, or Storm Sewer<br>Levee, Dike, or Floodwall |

| OTHER FEATURES | Cross Sections with 1% Annual Chance Water Surface Elevation<br>Coastal Transect<br>Base Flood Elevation Line (BFE)<br>Limit of Study<br>Jurisdiction Boundary<br>Coastal Transect Baseline<br>Profile Baseline<br>Hydrographic Feature |
|----------------|---|
|----------------|---|

| MAP PANELS | Digital Data Available<br>No Digital Data Available<br>Unmapped |
|------------|---|
|------------|---|

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/18/2020 at 7:44:01 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

PARCEL ID: 2017237  
MARKET AREA: 400C  
TOLEDO METRO PARK BOARD  
TAX YEAR: 2020

ASSESSMENT: 0227035  
ROLL: 104  
459 AIRPORT HWY  
STATUS: Active





**DGL Consulting Engineers, LLC**  
*Providing civil engineering solutions since 1926.*

---

December 10, 2019

Steve Shrake, AIA  
Chief Building Official, Division of Building Inspection  
City of Toledo  
One Government Center - Suite 1600  
Toledo, Ohio 43604

Re: Swan Creek (Pedestrian Bridge)  
"No-Impact" Certification

Dear Mr. Shrake:

DGL has been contracted by Metroparks Toledo to provide plans for the construction of a trail that connects Maumee to Swan Creek and The University of Toledo Medical Center. The 7,300 feet of improvements will travel through Swan Creek Preserve and will include 6,500 feet of asphalt path, 200 feet of pedestrian bridge crossing Swan Creek and nearly 600 feet of elevated boardwalk above the floodplain at the east end of the preserve.

We have reviewed the information below, and it is our belief that the impact to the floodplain is negligible and will have no impact on the 100-year flood elevations.

There will be a pedestrian bridge and elevated boardwalk above the floodplain of Swan Creek, which is in a FEMA Zone AE, which has established Base Flood Elevations (BFE). The proposed bridge/boardwalk will be located at almost exactly where Section AD is in the Flood Insurance Study (FIS) for Lucas County, revised in 2011. The BFE at Section AD is 597.4.

We compared flows generated from Streamstats and from the FIS. The Streamstats flows were much lower than the FIS flows ( $Q_{100}=5500$  cfs vs.  $Q_{100}=8100$  cfs). We used the flows from the FIS for our model. Per ODOT Location & Design, Drainage, the pedestrian bridge/boardwalk being a pedestrian facility needed to be designed for the 5 year storm so we had to deduce the 5 year (5000 cfs; FIS only used 10 year and higher).

HEC-RAS was used for hydraulic modeling purposes. A model reflecting the existing condition based off our survey data was analyzed, as well as a model with proposed flows as stated above. We adjusted the hydraulic slope to a value in between Streamstats and the one shown in the FIS and were able to reproduce the same BFE at 100 year. Our hydraulics consistently generated results that show the proposed facility produces no rise in either the 5 year or the 100 year storm. Results can be seen in a summary table on the following page.

| Hydraulic Summary                        |                 |                         |                |                     |                 |
|--|-----------------|-------------------------|----------------|---------------------|-----------------|
| <i>Pedestrian Bridge over Swan Creek</i> |                 |                         |                |                     |                 |
| Flood Frequency                          | Discharge (CFS) | Water Surface Elevation | Velocity (FPS) | Low Chord Elevation | Freeboard (ft.) |
| Existing Conditions                      |                 |                         |                |                     |                 |
| 5  | 5000            | 594.2                   | 2.4            | N/A                 | N/A             |
| 100                                      | 8100            | 597.4                   | 2.7            | N/A                 | N/A             |
| Proposed Conditions                      |                 |                         |                |                     |                 |
| 5  | 5000            | 594.2                   | 2.4            | 600.4               | 6.2             |
| 100                                      | 8100            | 597.4                   | 2.7            | 600.4               | 3.0             |

580.5 = Normal water level on 10/2018

583.0 = Ordinary high water elevation

Please reference the attached plan sheets indicating the location where the proposed bridge/boardwalk will be constructed within the FEMA 100-year floodplain limits.

Please do not hesitate to contact me should you have any questions or need any further information.

Sincerely,

DGL Consulting Engineers, LLC



Nicholas Lake, PE  
Structural Engineer



*December 10, 2019*



**DGL Consulting Engineers, LLC**  
*Providing civil engineering solutions since 1926.*

---

December 10, 2019

Steve Shrake, AIA  
Chief Building Official, Division of Building Inspection  
City of Toledo  
One Government Center - Suite 1600  
Toledo, Ohio 43604

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|--|-----------------|-------------------------|----------------|---------------------|-----------------|
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| 100                                      | 8100            | 597.4                   | 2.7            | N/A                 | N/A             |
| Proposed Conditions                      |                 |                         |                |                     |                 |
| 5  | 5000            | 594.2                   | 2.4            | 600.4               | 6.2             |
| 100                                      | 8100            | 597.4                   | 2.7            | 600.4               | 3.0             |

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Sincerely,

DGL Consulting Engineers, LLC



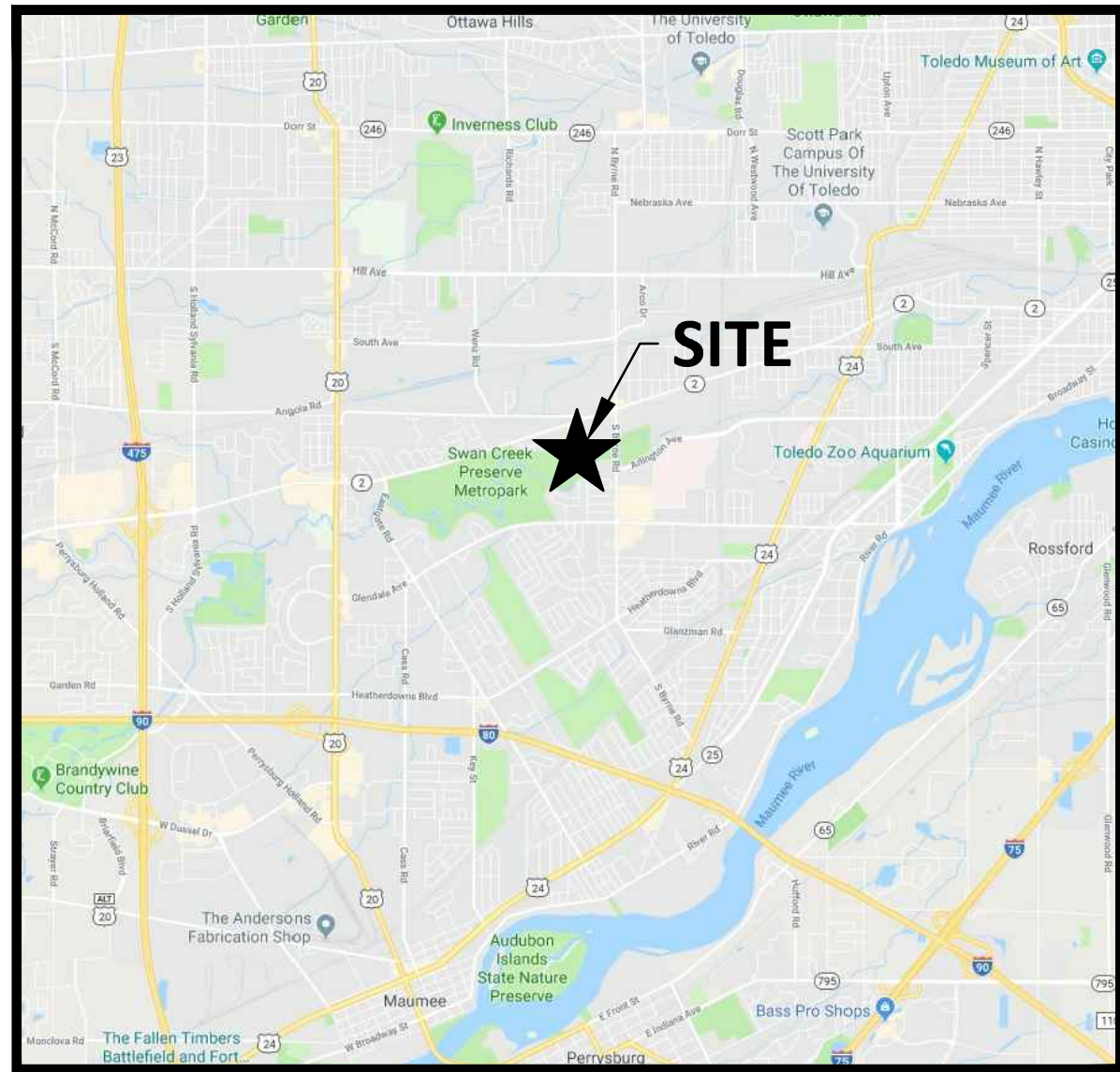
Nicholas Lake, PE  
Structural Engineer



*December 10, 2019*

# METROPARKS TOLEDO SWAN CREEK CONNECTOR TRAIL

CITY OF TOLEDO,  
LUCAS COUNTY, OHIO



VICINITY MAP  
NOT TO SCALE



SITE ADDRESS

4301 AIRPORT HWY  
TOLEDO, OHIO 43615  
LUCAS COUNTY

ZONING: MX (MIXED ZONED PARCEL)  
FLOOD ZONES: X (NOT MAPPED)  
AE (100 YEAR WITH BFE)  
AE FLOODWAY

SYMBOL LEGEND

| EXISTING | PROPOSED | DESCRIPTION             |
|----------|----------|-------------------------|
|          |          | BENCHMARK               |
|          |          | MONUMENT                |
|          |          | IRON PIN                |
|          |          | MONUMENT BOX            |
|          |          | PK NAIL                 |
|          |          | MAG NAIL                |
|          |          | DRILL HOLE              |
|          |          | MONUMENT SPIKE          |
|          |          | TACKED HUB              |
|          |          | CATCH BASIN             |
|          |          | CURB INLET              |
|          |          | STORM MANHOLE           |
|          |          | SANITARY MANHOLE        |
|          |          | CLEANOUT                |
|          |          | ELECTRIC RISER/PULL BOX |
|          |          | ELECTRIC METER          |
|          |          | ELECTRIC MANHOLE        |
|          |          | ELECTRIC TRANSFORMER    |
|          |          | GAS METER               |
|          |          | GAS MARKER              |
|          |          | GAS VALVE               |
|          |          | POWER POLE              |
|          |          | LIGHT POLE              |
|          |          | POWER/LIGHT POLE        |
|          |          | TELEPHONE POLE          |
|          |          | GUY WIRE                |
|          |          | TELEPHONE PEDESTAL      |
|          |          | FIRE HYDRANT            |
|          |          | WATER GATE VALVE        |
|          |          | WATER METER             |
|          |          | WATER MANHOLE           |
|          |          | STUMP                   |
|          |          | SHRUB                   |
|          |          | TREE-DECIDUOUS          |
|          |          | TREE-EVERGREEN          |
|          |          | AIR CONDITIONER         |
|          |          | MAIL BOX                |
|          |          | POST                    |
|          |          | SATELLITE DISH          |
|          |          | SPRINKLER HEAD          |
|          |          | SIGN                    |
|          |          | SIGNAL                  |

ABBREVIATION  
LEGEND

| SYMBOL | DESCRIPTION                  |
|--------|------------------------------|
| BLDG   | BUILDING                     |
| BL     | BUILDING LINE                |
| BM     | BENCHMARK                    |
| CB     | CATCH BASIN                  |
| CO     | CLEANOUT                     |
| CONC   | CONCRETE                     |
| CP     | CONTROL POINT                |
| CPP    | CORRUGATED POLYETHYLENE PIPE |
| DE     | DRAINAGE EASEMENT            |
| E      | EAST, EASTING                |
| ELEV   | ELEVATION                    |
| EX     | EXISTING                     |
| FF     | FINISHED FLOOR               |
| FO     | FIBER OPTIC                  |
| FM     | FORCE MAIN                   |
| FND    | FOUNDATION                   |
| FT     | FOOT, FEET                   |
| HW     | HEADWALL                     |
| IMPERV | IMPERVIOUS                   |
| ICW    | INTEGRAL CURB AND WALK       |
| INV    | INVERT                       |
| LL     | LOWER LEVEL                  |
| MH     | MANHOLE                      |
| MON    | MONUMENT                     |
| N      | NORTH, NORTHING              |
| NE     | NORTHEAST                    |
| NW     | NORTHWEST                    |
| OC     | ON CENTER                    |
| OFF    | OFFSET                       |
| RCP    | ROCK CHANNEL PROTECTION      |
| RCP    | REINFORCED CONCRETE PIPE     |
| R/W    | RIGHT OF WAY                 |
| RYS    | REAR YARD SETBACK            |
| S      | SOUTH                        |
| SAN    | SANITARY                     |
| SE     | SOUTHEAST                    |
| SS     | SUMP SERVICE                 |
| STA    | STATION                      |
| STM    | STORM                        |
| SW     | SOUTHWEST                    |
| TBR    | TO BE REMOVED                |
| TC     | TOP OF CURB                  |
| T/GR   | TOP OF GR                    |
| TYP    | TYPICAL                      |
| UD     | UNDERDRAIN                   |
| UE     | UTILITY EASEMENT             |
| VIT    | VITREOUS                     |
| W      | WEST                         |
| WM     | WATER MAIN                   |
| WS     | WATER SERVICE                |

INDEX OF SHEETS

| DESCRIPTION                                       | SHEET   | PERMITS |
|---|---------|---------|
| CIVIL TITLE SHEET                                 | C1      |         |
| SCHEMATIC PLAN                                    | C2      |         |
| GENERAL NOTES AND DETAILS                         | C3      |         |
| ESTIMATED QUANTITIES                              | C4      |         |
| EXISTING TRAIL IMPROVEMENT PLAN & PROFILE         | C5-C11  |         |
| PROPOSED WEST TRAIL PLAN & PROFILE                | C12-C15 |         |
| PROPOSED EAST TRAIL PLAN & PROFILE                | C16-C19 |         |
| PROPOSED AIRPORT HIGHWAY CONNECTOR PLAN & PROFILE | C20     |         |
| EXISTING TRAIL IMPROVEMENT CROSS SECTIONS         | C21-C29 |         |
| PROPOSED WEST TRAIL CROSS SECTIONS                | C30-C34 |         |
| PROPOSED EAST TRAIL CROSS SECTIONS                | C35-C42 |         |
| PROPOSED AIRPORT HIGHWAY CONNECTOR CROSS SECTIONS | C43     |         |
| PROPOSED BYRNE ROAD TRAIL PLAN & PROFILE          | C44-C45 |         |
| PROPOSED BYRNE ROAD TRAIL CROSS SECTIONS          | C46-C47 |         |
| EROSION CONTROL NOTES & DETAILS                   | C48     |         |
| STRUCTURAL DRAWINGS                               | S1-S12  |         |

2016 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.



Know what's below.  
Call before you dig.

UNDERGROUND UTILITIES

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CALL TWO WORKING DAYS  
BEFORE YOU DIG



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NON-MEMBERS  
MUST BE CALLED DIRECTLY

OIL & GAS PRODUCERS PROTECTIVE  
SERVICE CALL: 1-800-925-0988

LINETYPE LEGEND

| EXISTING | PROPOSED | DESCRIPTION        | EXISTING | PROPOSED | DESCRIPTION           |
|----------|----------|--------------------|----------|----------|-----------------------|
|          |          | INDEX CONTOURS     |          |          | INTERMEDIATE CONTOURS |
|          |          | CABLE              |          |          | ELECTRIC              |
|          |          | OVERHEAD ELECTRIC  |          |          | OVERHEAD CABLE        |
|          |          | OVERHEAD TELEPHONE |          |          | OVERHEAD UTILITIES    |

STANDARD CONSTRUCTION DRAWINGS

SUPPLEMENTAL  
SPECIFICATIONS

SPECIAL  
PROVISIONS



EARTH DISTURBED AREAS:

PROJECT EARTH DISTURBED AREA: 4.53 ACRES

ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.00 ACRES

NOTICE OF INTENT EARTH DISTURBED AREA: 4.53 ACRES

| NO       | 1             | 2             | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|----------|---------------|---------------|---|---|---|---|---|---|---|
| DATE     | 02-15-19      | 06-26-19      |   |   |   |   |   |   |   |
| REVISION | STAGE 1 PLANS | STAGE 3 PLANS |   |   |   |   |   |   |   |



METROPARKS TOLEDO  
SWAN CREEK CONNECTOR TRAIL

4301 AIRPORT HWY  
TOLEDO, OHIO 43615  
LUCAS COUNTY

CIVIL TITLE SHEET

FILE: 18147 CD.dwg  
JOB NO.: 18147  
DRAWN BY: EAH  
ISSUED: JUNE 26, 2019

C1

PLOTTED: Sep 04, 2019 -- 3:01pm  
 DRAWING: M:\18147 (Metroparks - Swan Creek Connector Trail)\Civil\DWG\18147 CD.dwg: C02 SCHEMATIC SWAN

| CL EXISTING TRAIL IMPROVEMENT |          |           |            |             |
|-------------------------------|----------|-----------|------------|-------------|
| Number                        | STATION  | NORTHING  | EASTING    | DESCRIPTION |
| L1                            | 0+32.53  | 712998.55 | 1655784.39 | PC          |
| C1                            | 0+85.38  | 713018.67 | 1655832.60 | PT          |
| L2                            | 1+19.73  | 713023.15 | 1655866.66 | PC          |
| C2                            | 1+46.50  | 713033.42 | 1655891.03 | PT          |
| L3                            | 1+77.50  | 713052.58 | 1655915.40 | PC          |
| C3                            | 1+87.25  | 713058.97 | 1655922.76 | PT          |
| L4                            | 2+17.13  | 713079.65 | 1655944.34 | PC          |
| C4                            | 2+45.83  | 713102.18 | 1655961.95 | PT          |
| L5                            | 2+88.59  | 713139.29 | 1655983.19 | PC          |
| C5                            | 3+43.05  | 713182.31 | 1656016.30 | PT          |
| L6                            | 3+78.87  | 713207.47 | 1656041.81 | PC          |
| C6                            | 4+00.32  | 713221.69 | 1656057.85 | PT          |
| L7                            | 4+63.74  | 713261.14 | 1656107.51 | PC          |
| C7                            | 4+70.73  | 713265.30 | 1656113.12 | PT          |
| L8                            | 5+15.06  | 713290.39 | 1656149.68 | PC          |
| C8                            | 5+41.86  | 713308.31 | 1656169.49 | PT          |
| L9                            | 5+63.06  | 713324.51 | 1656183.17 | PC          |
| C9                            | 6+70.38  | 713424.60 | 1656190.18 | PT          |
| L10                           | 7+26.92  | 713472.46 | 1656160.09 | PC          |
| C10                           | 7+65.81  | 713507.18 | 1656142.71 | PT          |
| L11                           | 7+91.04  | 713530.73 | 1656133.66 | PC          |
| C11                           | 9+06.85  | 713623.05 | 1656179.45 | PT          |
| L12                           | 10+11.47 | 713652.27 | 1656279.90 | PC          |
| C12                           | 10+83.74 | 713659.62 | 1656351.41 | PT          |
| L13                           | 11+78.81 | 713652.19 | 1656446.19 | PC          |
| C13                           | 12+62.04 | 713662.88 | 1656528.12 | PT          |
| C14                           | 12+92.49 | 713661.62 | 1656557.81 | PT          |
| L14                           | 13+14.94 | 713652.40 | 1656578.28 | PC          |
| C15                           | 13+58.02 | 713652.71 | 1656620.04 | PT          |
| L15                           | 13+85.63 | 713664.43 | 1656645.04 | PC          |
| C16                           | 14+00.73 | 713668.69 | 1656659.47 | PT          |
| L16                           | 14+27.27 | 713672.30 | 1656685.76 | PC          |
| C17                           | 15+31.16 | 713659.66 | 1656787.71 | PT          |
| L17                           | 15+57.60 | 713649.77 | 1656812.23 | PC          |
| C18                           | 15+75.75 | 713644.55 | 1656829.58 | PT          |
| L18                           | 16+37.20 | 713632.24 | 1656889.79 | PC          |
| C19                           | 16+75.70 | 713611.45 | 1656921.07 | PT          |
| L19                           | 16+95.93 | 713594.74 | 1656932.48 | PC          |

| CL EXISTING TRAIL IMPROVEMENT |          |           |            |             |
|-------------------------------|----------|-----------|------------|-------------|
| Number                        | STATION  | NORTHING  | EASTING    | DESCRIPTION |
| C20                           | 17+93.17 | 713542.58 | 1657011.64 | PT          |
| L20                           | 18+44.54 | 713532.69 | 1657062.05 | PC          |
| C21                           | 19+38.80 | 713543.83 | 1657154.09 | PT          |
| L21                           | 19+77.94 | 713560.31 | 1657189.59 | PC          |
| C22                           | 20+24.09 | 713569.57 | 1657234.39 | PT          |
| L22                           | 20+90.88 | 713567.77 | 1657301.15 | PC          |
| C23                           | 21+02.24 | 713568.11 | 1657312.50 | PT          |
| L23                           | 21+56.34 | 713572.79 | 1657366.40 | PC          |
| C24                           | 22+03.78 | 713555.53 | 1657408.69 | PT          |
| L24                           | 22+30.25 | 713535.43 | 1657425.92 | PC          |
| C25                           | 22+78.15 | 713514.61 | 1657467.65 | PT          |
| L25                           | 24+98.34 | 713500.60 | 1657687.39 | PC          |
| C26                           | 25+01.94 | 713500.31 | 1657690.98 | PT          |
| L26                           | 26+04.07 | 713490.14 | 1657792.60 | PC          |
| C27                           | 26+13.51 | 713489.65 | 1657802.03 | PT          |
| L27                           | 26+54.73 | 713489.43 | 1657843.25 | PC          |
| C28                           | 27+11.11 | 713497.03 | 1657898.92 | PT          |
| L28                           | 27+61.84 | 713510.88 | 1657947.73 | PC          |
| C29                           | 28+35.57 | 713504.26 | 1658019.49 | PT          |
| L29                           | 28+45.39 | 713499.89 | 1658028.28 | PC          |
| C30                           | 28+98.44 | 713470.32 | 1658072.14 | PT          |
| L30                           | 29+40.39 | 713442.47 | 1658103.52 | PC          |
| C31                           | 30+14.27 | 713417.26 | 1658171.18 | PT          |
| L31                           | 30+42.84 | 713417.63 | 1658199.76 | PC          |
| C32                           | 31+16.52 | 713411.81 | 1658273.10 | PT          |
| L32                           | 31+44.32 | 713407.07 | 1658300.49 | PC          |
| C33                           | 31+97.45 | 713401.51 | 1658353.29 | PT          |
| L33                           | 32+72.20 | 713398.63 | 1658427.98 | PC          |
| C34                           | 33+06.49 | 713408.71 | 1658460.06 | PT          |
| L34                           | 33+96.91 | 713463.24 | 1658532.19 | PC          |
| C35                           | 34+25.32 | 713473.20 | 1658558.39 | PT          |
| L35                           | 34+43.87 | 713474.66 | 1658576.88 | PC          |
| C36                           | 34+62.58 | 713474.39 | 1658595.56 | PT          |
| L36                           | 34+76.75 | 713472.87 | 1658609.65 | PC          |
| C37                           | 35+24.54 | 713437.17 | 1658629.48 | PT          |

| CL PROPOSED TRAIL WEST |          |           |            |             |
|------------------------|----------|-----------|------------|-------------|
| Number                 | STATION  | NORTHING  | EASTING    | DESCRIPTION |
| C38                    | 40+52.39 | 713478.09 | 1658666.36 | PT          |
| L38                    | 41+03.82 | 713512.45 | 1658704.63 | PC          |
| C39                    | 41+49.57 | 713524.41 | 1658747.15 | PT          |
| C40                    | 42+68.62 | 713520.32 | 1658865.69 | PT          |
| C41                    | 43+33.42 | 713489.60 | 1658917.65 | PT          |
| L39                    | 43+42.62 | 713480.90 | 1658920.61 | PC          |
| C42                    | 43+96.81 | 713465.18 | 1658965.03 | PT          |
| L40                    | 44+28.05 | 713481.86 | 1658991.45 | PC          |
| C43                    | 44+81.89 | 713513.58 | 1659034.91 | PT          |
| L41                    | 45+72.42 | 713571.75 | 1659104.27 | PC          |
| C44                    | 46+11.69 | 713590.51 | 1659138.49 | PT          |
| C45                    | 47+14.58 | 713669.98 | 1659190.55 | PT          |
| L42                    | 47+67.72 | 713722.82 | 1659184.92 | PC          |
| C46                    | 48+16.33 | 713770.06 | 1659173.98 | PT          |
| L43                    | 49+20.65 | 713868.10 | 1659138.30 | PC          |
| C47                    | 49+41.40 | 713887.19 | 1659130.20 | PT          |
| C48                    | 50+02.07 | 713943.53 | 1659138.94 | PT          |
| L44                    | 50+36.18 | 713968.24 | 1659162.45 | PC          |
| C49                    | 50+89.07 | 714017.36 | 1659174.03 | PT          |
| L45                    | 52+93.75 | 714212.47 | 1659112.21 | PC          |
| C50                    | 53+57.78 | 714269.40 | 1659083.51 | PT          |
| C51                    | 53+84.26 | 714292.64 | 1659070.97 | PT          |
| L46                    | 55+52.90 | 714450.34 | 1659011.21 | PC          |
| C52                    | 55+85.14 | 714478.15 | 1658995.17 | PT          |
| L47                    | 56+22.08 | 714506.76 | 1658971.81 | PC          |
| C53                    | 56+60.40 | 714541.32 | 1658974.64 | PT          |
| L48                    | 58+66.74 | 714677.77 | 1659129.42 | PC          |

| CL PROPOSED TRAIL EAST |          |           |            |             |
|------------------------|----------|-----------|------------|-------------|
| Number                 | STATION  | NORTHING  | EASTING    | DESCRIPTION |
| L49                    | 60+01.50 | 714859.50 | 1659731.72 | PC          |
| C54                    | 60+36.47 | 714825.29 | 1659729.86 | PT          |
| L50                    | 60+48.62 | 714814.12 | 1659725.08 | PC          |
| C55                    | 60+88.24 | 714775.59 | 1659717.04 | PT          |
| L51                    | 69+48.92 | 713914.93 | 1659710.38 | PC          |
| C56                    | 70+94.10 | 713814.96 | 1659797.73 | PT          |
| L52                    | 71+72.13 | 713805.09 | 1659875.14 | PC          |
| C57                    | 71+82.03 | 713803.36 | 1659884.88 | PT          |
| L53                    | 72+45.63 | 713789.12 | 1659946.87 | PC          |
| C58                    | 72+66.39 | 713782.42 | 1659966.47 | PT          |
| L54                    | 75+25.59 | 713673.58 | 1660201.72 | PC          |
| L55                    | 75+46.52 | 713661.62 | 1660218.89 | PC          |
| L56                    | 75+88.37 | 713634.82 | 1660251.03 | PC          |
| L57                    | 76+30.23 | 713605.31 | 1660280.72 | PC          |
| L58                    | 76+71.82 | 713573.53 | 1660307.55 | PC          |
| L59                    | 77+13.42 | 713541.74 | 1660334.39 | PC          |
| L60                    | 77+55.27 | 713507.54 | 1660358.52 | PC          |
| L61                    | 77+97.13 | 713475.56 | 1660385.52 | PC          |
| L62                    | 78+38.99 | 713446.05 | 1660415.20 | PC          |
| L63                    | 78+80.84 | 713419.25 | 1660447.35 | PC          |
| L64                    | 79+22.70 | 713395.34 | 1660481.71 | PC          |
| L65                    | 80+06.15 | 713353.79 | 1660554.07 | PC          |
| L66                    | 80+48.52 | 713326.65 | 1660586.62 | PC          |
| L67                    | 80+90.64 | 713294.50 | 1660613.83 | PC          |
| L68                    | 81+21.92 | 713272.45 | 1660636.01 | PC          |

| DGL PROJECT CONTROL |           |            |             |
|---------------------|-----------|------------|-------------|
| POINT #             | NORTHING  | EASTING    | DESCRIPTION |
| 500                 | 713071.98 | 1655289.10 | MAG NAIL    |
| 501                 | 713005.89 | 1655769.40 | MAG NAIL    |
| 502                 | 713652.49 | 1657215.41 | MAG NAIL    |
| 503                 | 713636.39 | 1658800.41 | MAG NAIL    |
| 504                 | 714616.34 | 1658924.88 | MAG NAIL    |
| 505                 | 714847.38 | 1659885.39 | MAG NAIL    |
| 506                 | 712958.99 | 1660711.03 | MAG NAIL    |
| 507                 | 713259.16 | 1660640.51 | MAG NAIL    |
| 626                 | 713464.54 | 1658609.65 | IRON PIN    |
| 627                 | 713498.61 | 1658821.68 | IRON PIN    |
| 630                 | 713782.95 | 1659978.60 | IRON PIN    |
| 631                 | 713743.41 | 1660096.56 | IRON PIN    |
| 633                 | 713487.57 | 1660380.52 | IRON PIN    |
| 708                 | 714789.24 | 1659475.07 | MAG NAIL    |

| CL BYRNE ROAD PATH |          |           |            |             |
|--------------------|----------|-----------|------------|-------------|
| Number             | STATION  | NORTHING  | EASTING    | DESCRIPTION |
| L125               | 94+37.23 | 713283.38 | 1660636.09 | PC          |

| CL AIRPORT HIGHWAY CONNECTOR |           |           |            |             |
|------------------------------|-----------|-----------|------------|-------------|
| Number                       | STATION   | NORTHING  | EASTING    | DESCRIPTION |
| L122                         | 100+34.43 | 713608.21 | 1656128.34 | PC          |
| C113                         | 101+02.14 | 713668.67 | 1656100.83 | PT          |
| L124                         | 101+12.75 | 713676.32 | 1656093.48 | PC          |
| C114                         | 101+58.78 | 713715.56 | 1656070.20 | PT          |
| L123                         | 101+81.27 | 713737.01 | 1656063.45 | PC          |

| NO | REVISION      | DATE     |
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| 2  | STAGE 3 PLANS | 09-26-19 |
| 1  | STAGE 1 PLANS | 09-15-19 |

**METROPARKS TOLEDO**  
**SWAN CREEK CONNECTOR TRAIL**  
 4301 AIRPORT HWY  
 TOLEDO, OHIO 43615  
 LUCAS COUNTY

**SCHEMATIC PLAN**

FILE: 18147 CD.dwg  
 JOB NO.: 18147  
 DRAWN BY: EAH  
 ISSUED: JUNE 26, 2019

C2

PLOTTED: Dec 05, 2019 -- 2:30pm  
 DRAWING: M:\18147 (Metroparks - Swan Creek Connector Trail)\CIVIL\DWG\18147 CD.dwg; C07: P&P STA 10+00--15+00 SWAN

EROSION CONTROL LEGEND

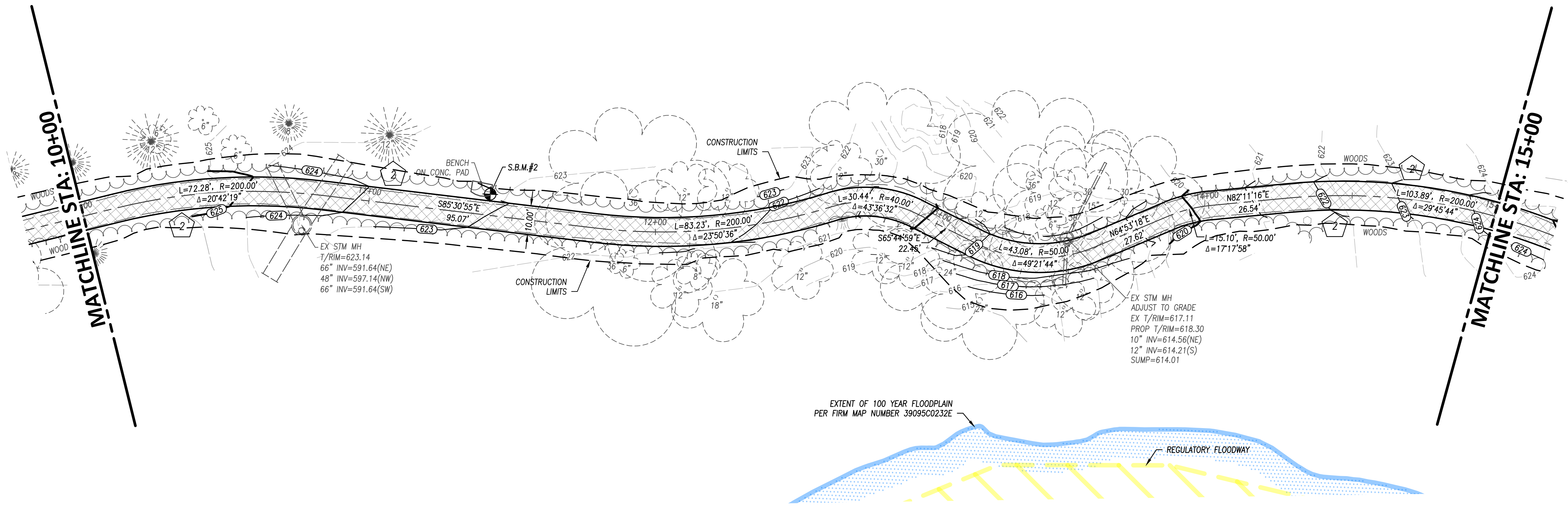
- 1

MANUFACTURED INLET FILTER
- 2

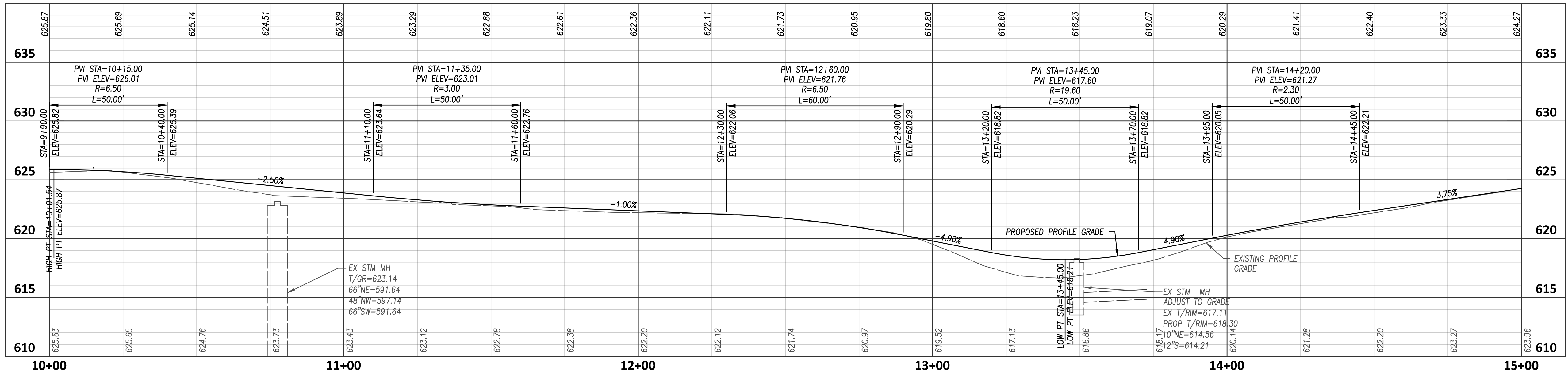
SEEDING AND MULCHING
- \*\*INSTALL SILT FENCE WHERE APPLICABLE BETWEEN PROPOSED GRADE AND EXISTING GRADE.
- REFER TO EROSION AND SEDIMENT CONTROL DETAIL SHEET C48 FOR DETAILS

HATCH LEGEND

- TRAIL ASPHALT PAVEMENT
- TREE-- TO BE REMOVED
- TBR-- TO BE REMOVED



EXISTING TRAIL IMPROVEMENT PROFILE



N

0 20 40  
SCALE: 1" = 20'

STATE OF OHIO  
JOSHUA JAMES O'NEIL  
E-69263  
REGISTERED PROFESSIONAL ENGINEER  
December 05, 2019

| NO | REVISION      | DATE     |
|----|---------------|----------|
| 9  |               |          |
| 8  |               |          |
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| 5  |               |          |
| 4  |               |          |
| 3  | STAGE 3 PLANS | 06-26-19 |
| 2  | STAGE 1 PLANS | 02-15-19 |
| 1  |               |          |

DGL CONSULTING ENGINEERS, LLC  
3455 BRIARFIELD BLVD, SUITE E  
MAUMEE, OH 43537  
PHONE: 419.535.1015  
www.dgl-td.com

**METROPARKS TOLEDO**  
**SWAN CREEK CONNECTOR TRAIL**  
4301 AIRPORT HWY  
TOLEDO, OHIO 43615  
LUCAS COUNTY

**EXISTING TRAIL IMPROVEMENT  
PLAN & PROFILE**

FILE: 18147 CD.dwg  
JOB NO.: 18147  
DRAWN BY: EAH  
ISSUED: JUNE 26, 2019

**C7**

EROSION CONTROL LEGEND

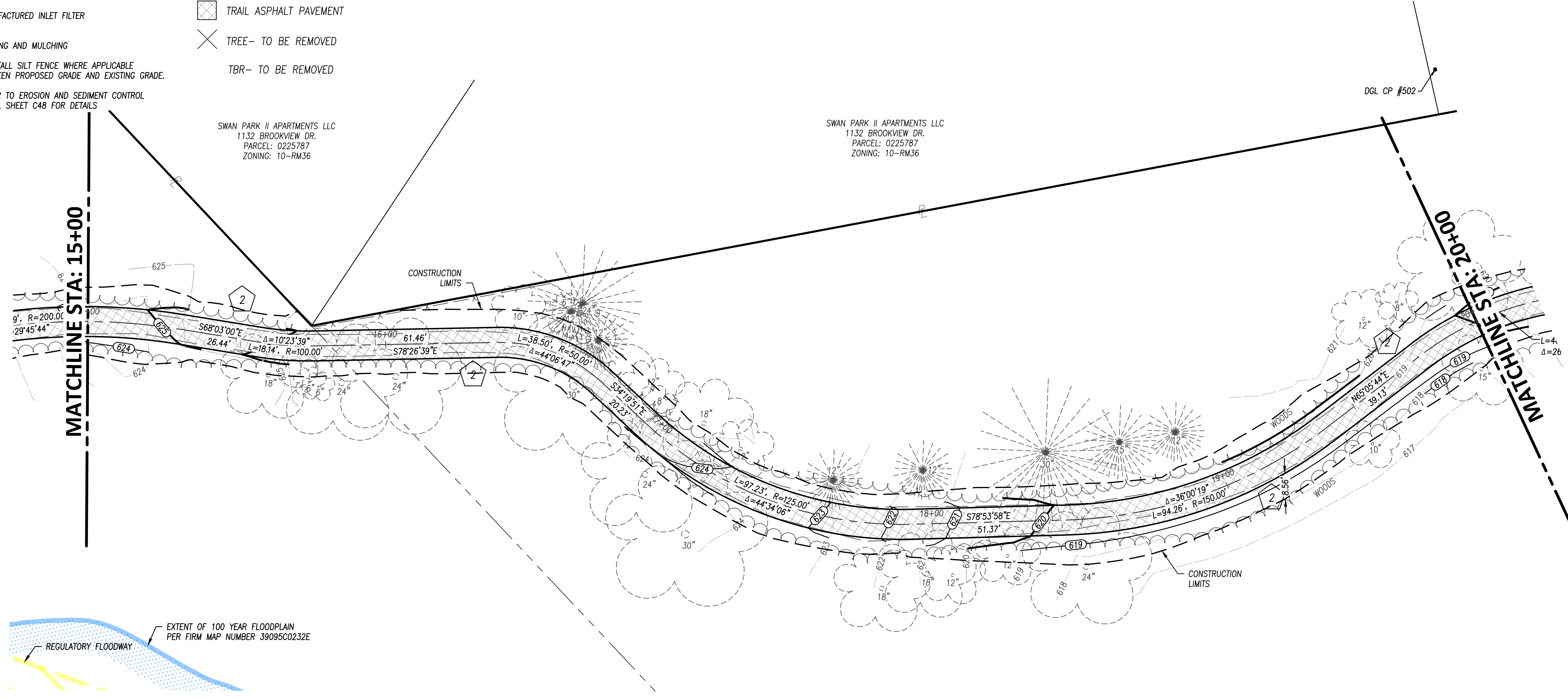
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MANUFACTURED INLET FILTER
- 2

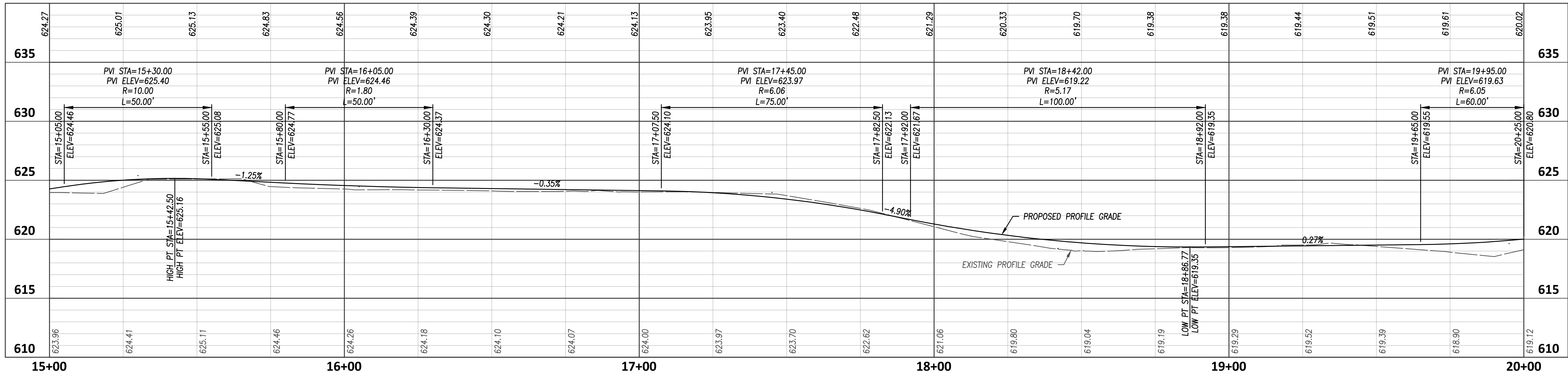
SEEDING AND MULCHING
- \*\*INSTALL SILT FENCE WHERE APPLICABLE  
BETWEEN PROPOSED GRADE AND EXISTING GRADE.
- REFER TO EROSION AND SEDIMENT CONTROL  
DETAIL SHEET C48 FOR DETAILS

HATCH LEGEND

- TRAIL ASPHALT PAVEMENT
- TREE-- TO BE REMOVED
- TBR-- TO BE REMOVED



EXISTING TRAIL IMPROVEMENT PROFILE



0

20

40

SCALE: 1" = 20'

STATE OF OHIO

JOSHUA JAMES O'NEIL

E-69263

REGISTERED PROFESSIONAL ENGINEER

December 05, 2019

| NO | REVISION      | DATE     |
|----|---------------|----------|
| 1  | STAGE 1 PLANS | 02-15-19 |
| 2  | STAGE 3 PLANS | 06-26-19 |

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CONSULTING ENGINEERS, LLC

3455 BRIARFIELD BLVD, SUITE E  
MAUMEE, OH 43537  
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METROPARKS TOLEDO

SWAN CREEK CONNECTOR TRAIL

4301 AIRPORT HWY  
TOLEDO, OHIO 43615  
LUCAS COUNTY

EXISTING TRAIL IMPROVEMENT

PLAN & PROFILE

FILE: 18147 CD.dwg

JOB NO.: 18147

DRAWN BY: EAH

ISSUED: JUNE 26, 2019

C8

PLOTTED: Dec 05, 2019 -- 2:31pm  
DRAWING: M:\18147 (Metroparks - Swan Creek Connector Trail)\CIVIL\DWG\18147 CD.dwg: C08 P&P STA 15+00-20+00 SWAN

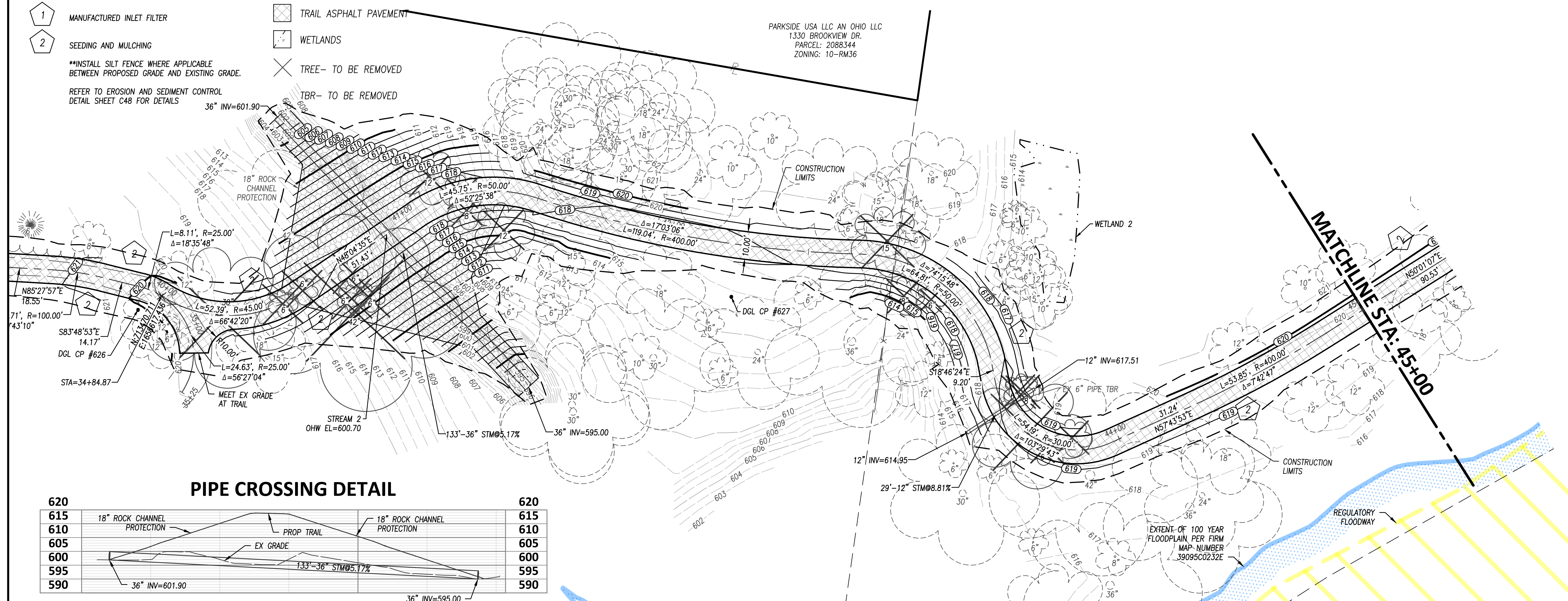
1 MANUFACTURED INLET FILTER

2 SEEDING AND MULCHING

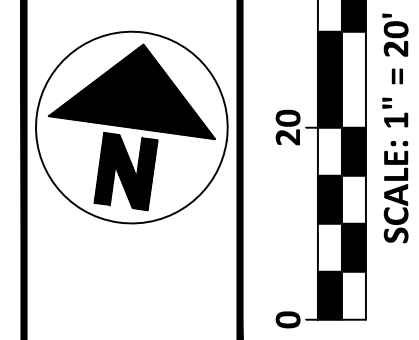
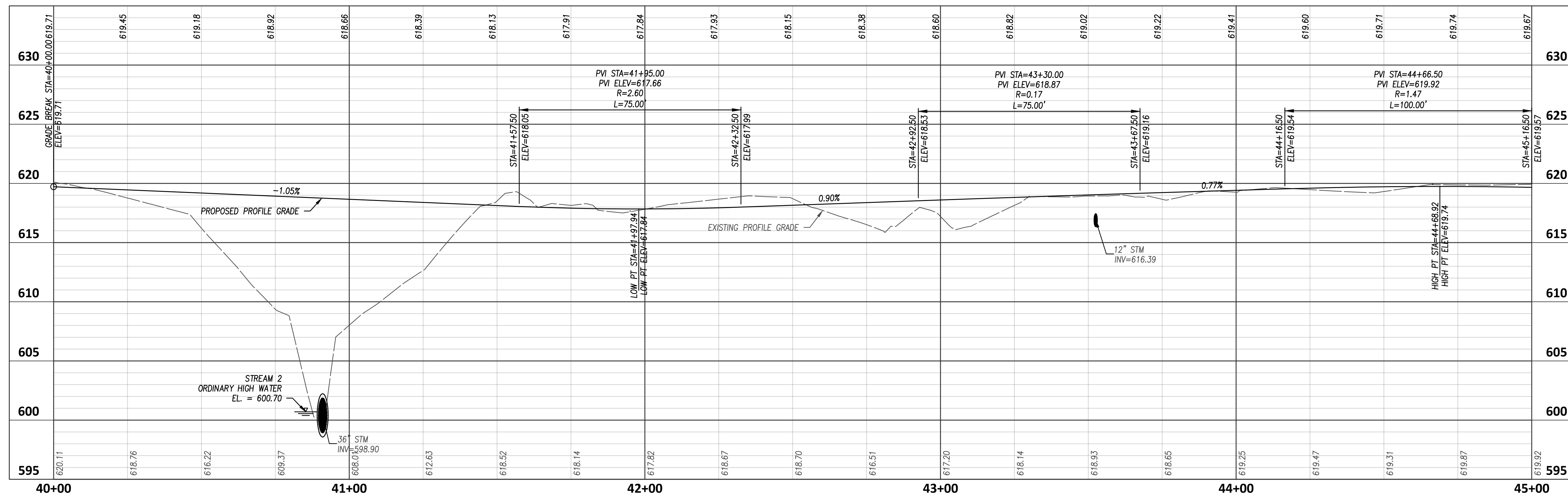
**\*\*INSTALL SILT FENCE WHERE APPLICABLE  
BETWEEN PROPOSED GRADE AND EXISTING GRADE.**

REFER TO EROSION AND SEDIMENT CONTROL  
DETAIL SHEET C48 FOR DETAILS

 TRAIL ASPHALT PAVEMENT  
 WETLANDS  
 TREE- TO BE REMOVED



## PROPOSED TRAIL WEST PROFILE



|   |               |          |
|---|---------------|----------|
| 9 |               |          |
| 8 |               |          |
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| 6 |               |          |
| 5 |               |          |
| 4 |               |          |
| 3 |               |          |
| 2 | STAGE 3 PLANS | 06-26-19 |
| 1 | STAGE 1 PLANS | 02-15-19 |



**DOGL CONSULTING ENGINEERS, LLC**  
3455 BRIARFIELD BLVD. SUITE E  
MAUMEE, OH 43537  
PHONE: 419.535.1015  
[www.dgl-ltd.com](http://www.dgl-ltd.com)

**METROPARKS TOLEDO**  
**SWAN CREEK CONNECTOR TRAIL**  
4301 AIRPORT HWY  
TOLEDO, OHIO 43615

# PROPOSED WEST TRAIL PLAN & PROFILE

|           |               |
|-----------|---------------|
| FILE:     | 18147 CD.dwg  |
| JOB NO.:  | 18147         |
| DRAWN BY: | EAH           |
| ISSUED:   | JUNE 26, 2019 |

# C12

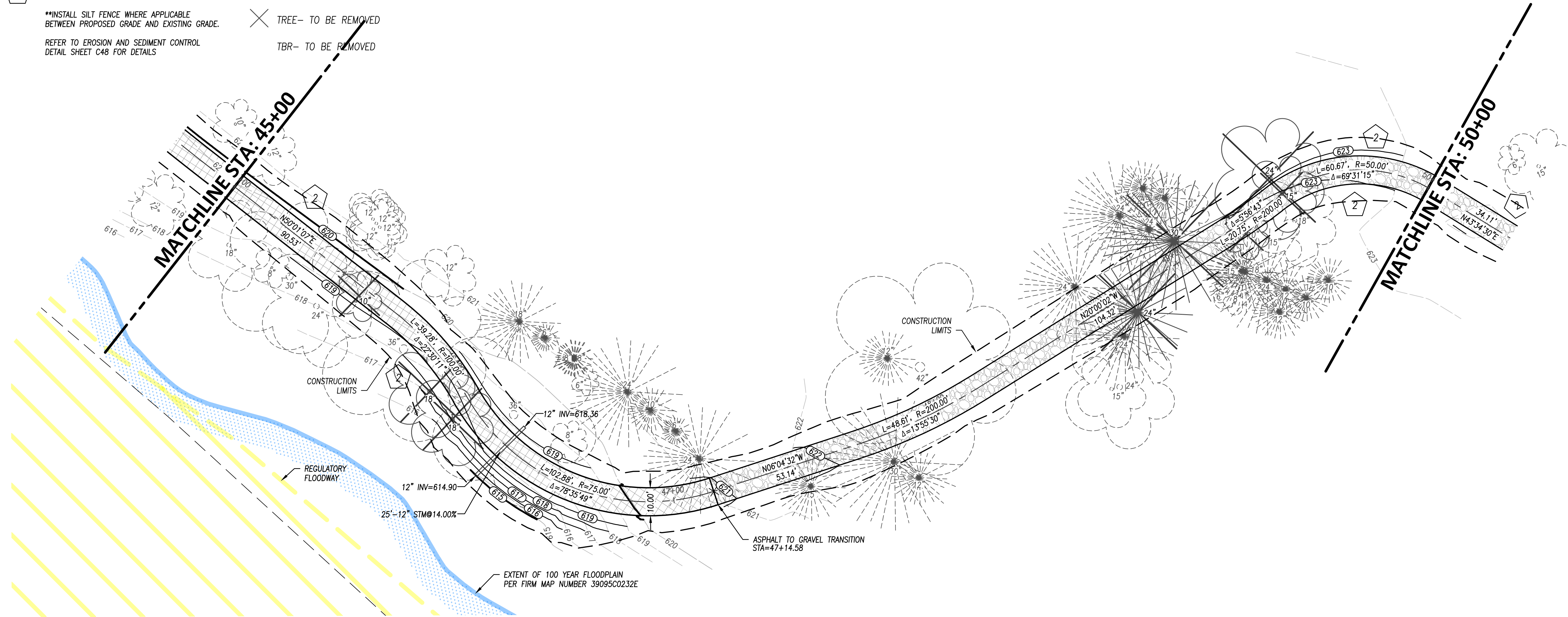
PLOTTED: Dec 05, 2019 - 2:31pm  
 DRAWING: M:\18147 (Metroparks - Swan Creek Connector Trail)\CIVIL\Draw\18147 CD.dwg: C12 P&P STA 40+00-45+00 SWAN

EROSION CONTROL LEGEND

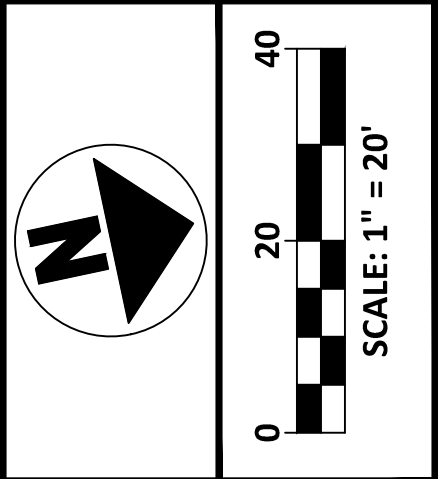
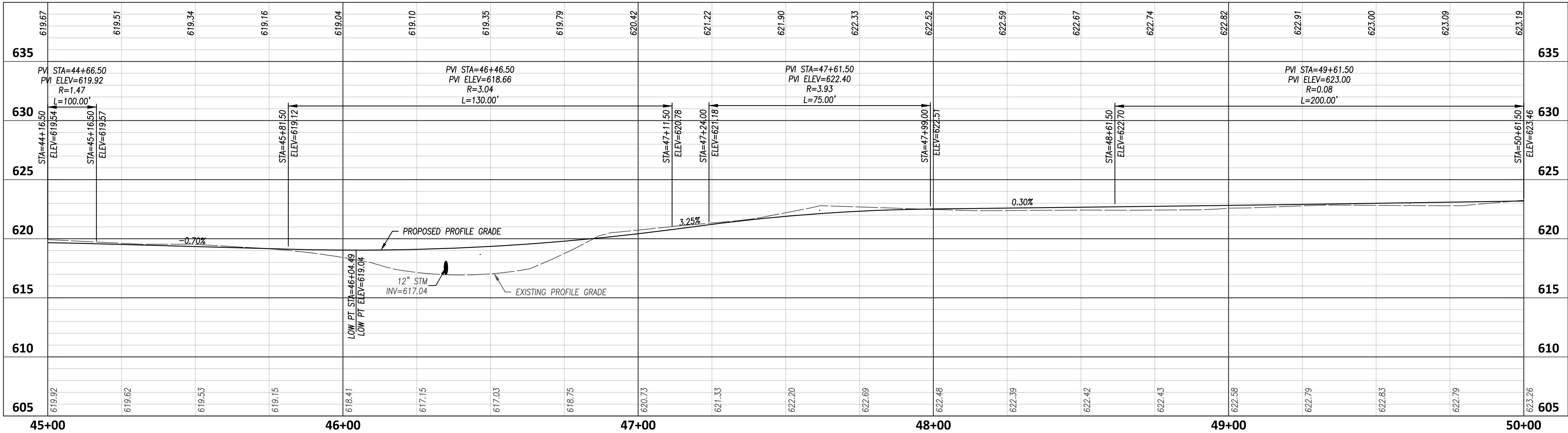
- 1 MANUFACTURED INLET FILTER
- 2 SEEDING AND MULCHING
- \*\*INSTALL SILT FENCE WHERE APPLICABLE BETWEEN PROPOSED GRADE AND EXISTING GRADE.
- REFER TO EROSION AND SEDIMENT CONTROL DETAIL SHEET C48 FOR DETAILS

HATCH LEGEND

- TRAIL ASPHALT PAVEMENT
- GRAVEL
- TREE-- TO BE REMOVED
- TBR-- TO BE REMOVED



PROPOSED TRAIL WEST PROFILE



| NO | REVISION      | DATE     |
|----|---------------|----------|
| 1  | STAGE 1 PLANS | 02-15-19 |
| 2  | STAGE 3 PLANS | 06-26-19 |



METROPARKS TOLEDO

SWAN CREEK CONNECTOR TRAIL

4301 AIRPORT HWY

TOLEDO, OHIO 43615

LUCAS COUNTY

PROPOSED WEST TRAIL

PLAN & PROFILE

FILE: 18147 CD.dwg

JOB NO.: 18147

DRAWN BY: EAH

ISSUED: JUNE 26, 2019

C13





PLOTTED: Dec 05, 2019 -- 2:32pm  
 DRAWING: M:\18147 (Metroparks - Swan Creek Connector Trail)\CIVIL Dwg\18147 CD.dwg: C44 P&P STA 90+00-95+00 SWAN

### EROSION CONTROL LEGEND

- 1 MANUFACTURED INLET FILTER
  - 2 SEEDING AND MULCHING
- \*\*INSTALL SILT FENCE WHERE APPLICABLE  
 BETWEEN PROPOSED GRADE AND EXISTING GRADE.  
 REFER TO EROSION AND SEDIMENT CONTROL  
 DETAIL SHEET C48 FOR DETAILS

RUSSELL SANDRA  
 1203 MICHELE DR.  
 PARCEL: 2008385  
 ZONING: 10-RS12

### HATCH LEGEND

- TRAIL ASPHALT PAVEMENT
- BRIDGE/BOARDWALK
- CONC WALK
- TREE- TO BE REMOVED
- TBR- TO BE REMOVED

MARTIN JAMES H. & LULA M.  
 1161 MICHELE DR.  
 PARCEL: 2008389  
 ZONING: 10-RS12

BAKER WILLIAM G. ETAL  
 1153 MICHELE DR.  
 PARCEL: 2008392  
 ZONING: 10-RS12

NOTE: CONTRACTOR TO LIMIT EXCAVATION  
 DURING CONSTRUCTION TO WITHIN THE  
 PUBLIC RIGHT-OF-WAY

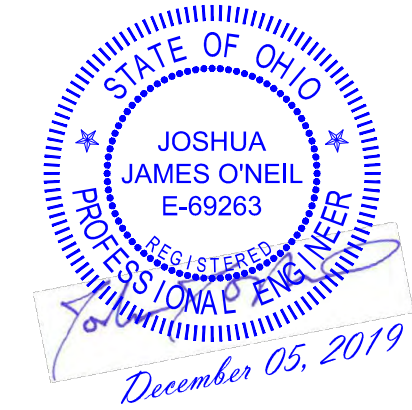
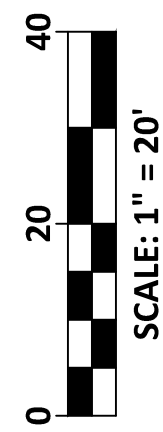
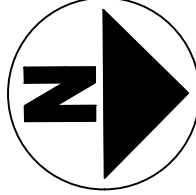
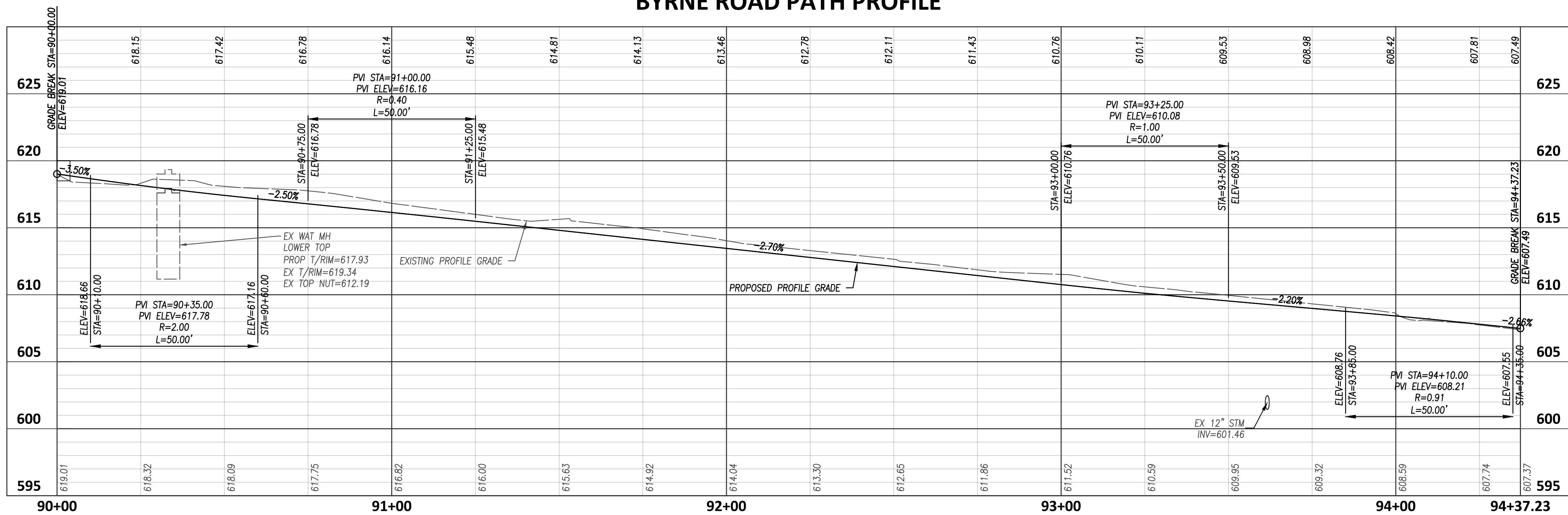
OLIVER FREDERICK D.  
 1145 MICHELE DR.  
 PARCEL: 2008395  
 ZONING: 10-RS12

EXTENT OF 100 YEAR FLOODPLAIN PER  
 FIRM MAP NUMBER 39095C0232E

MCBRIDE JO ANN R.  
 1141 MICHELE DR.  
 PARCEL: 2008399  
 ZONING: 10-RS12

BYRNE ROAD

### BYRNE ROAD PATH PROFILE



| NO | REVISION      | DATE     |
|----|---------------|----------|
| 1  | STAGE 3 PLANS | 06-26-19 |



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METROPARKS TOLEDO  
 SWAN CREEK CONNECTOR TRAIL  
 4301 AIRPORT HWY  
 TOLEDO, OHIO 43615  
 LUCAS COUNTY

PROPOSED BYRNE ROAD TRAIL  
 PLAN & PROFILE

FILE: 18147 CD.dwg  
 JOB NO.: 18147  
 DRAWN BY: EAH  
 ISSUED: JUNE 26, 2019

C44



TEMPORARY IMPACTS ARE ANTICIPATED FOR WETLANDS 5 AND 6. THE TEMPORARY IMPACTS WILL BE FROM THE CONSTRUCTION OF A 30-FOOT WIDE ACCESS PATH COMPOSED OF TIMBER MATING THAT WILL BE LOCATED FROM BYRNES ROAD TO SWAN CREEK. THE TEMPORARY PATH IS NEEDED TO BUILD THE BOARDWALK AND LIFT THE BRIDGE INTO PLACE. CONSTRUCTION OF THE SWAN CREEK BRIDGE CROSSING WILL INVOLVE CONSTRUCTING A TEMPORARY CAUSEWAY NEEDED FOR THE PLACEMENT OF THE BRIDGE. A RESTORATION PLAN WILL BE SPECIFIED FOR THE WETLAND AND STREAM AREAS THAT ARE AFFECTED BY THE TEMPORARY ACCESS ROAD AND CAUSEWAY. THE RESTORATION PLAN WILL INCLUDE THE FOLLOWING SPECIFICATIONS:

- 

BASIC SEED MIX BELOW FOR THE RESTORATION EFFORTS IN WETLANDS 5 AND 6

- WOODY MATERIAL FOR THE RIPARIAN RESTORATION:
- EASTERN SYCAMORE (PLATANUS OCCIDENTALIS)
  - SILVER MAPLE (ACER SACCHARINUM)
  - COTTONWOOD (POPULUS DELTOIDES)

WOODY MATERIAL FOR THE RIPARIAN RESTORATION:

- EASTERN SYCAMORE (PLATANUS OCCIDENTALIS)
- SILVER MAPLE (ACER SACCHARINUM)
- COTTONWOOD (POPULUS DELTOIDES)

TBR- TO BE REMOVED

REGULATORY FLOODWAY

WETLAND 6

EXTENT OF 100 YEAR FLOODPLAIN PER FIRM MAP NUMBER 39095C0232E

WETLAND 5

CONSTRUCTION LIMITS

30.00' TEMP ACCESS ROAD

WETLAND DISTURBANCE LIMIT

158.71' WETLAND DISTURBANCE LIMIT

CONSTRUCTION LIMITS

GUARDRAIL TBR

BYRNE ROAD

TO BE RELOCATED BY MILL POLE

WOODY MATERIAL FOR THE RIPARIAN RESTORATION:

- EASTERN SYCAMORE (PLATANUS OCCIDENTALIS)
- SILVER MAPLE (ACER SACCHARINUM)
- COTTONWOOD (POPULUS DELTOIDES)

TBR- TO BE REMOVED

REGULATORY FLOODWAY

WETLAND 6

EXTENT OF 100 YEAR FLOODPLAIN PER FIRM MAP NUMBER 39095C0232E

WETLAND 5

CONSTRUCTION LIMITS

30.00' TEMP ACCESS ROAD

WETLAND DISTURBANCE LIMIT

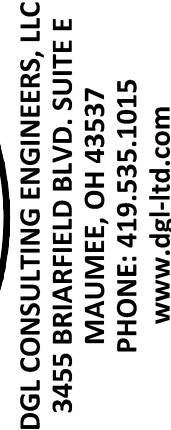
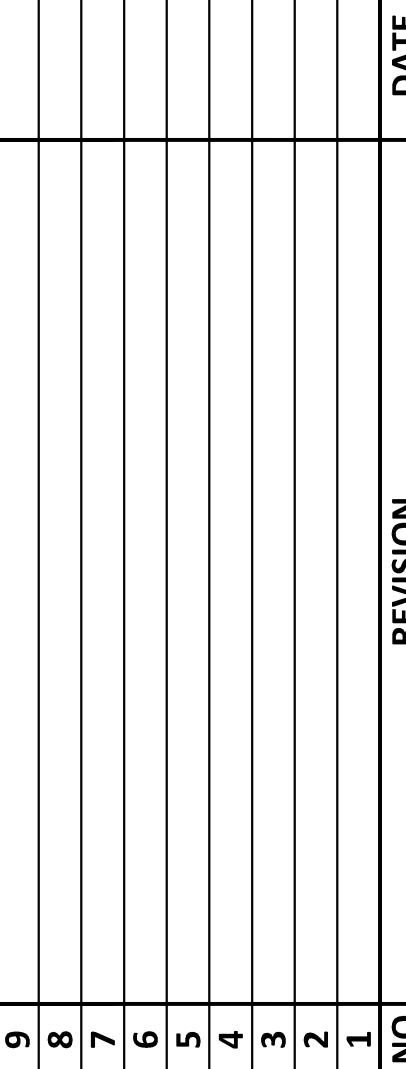
158.71' WETLAND DISTURBANCE LIMIT

CONSTRUCTION LIMITS

GUARDRAIL TBR

BYRNE ROAD

TO BE RELOCATED BY MILL POLE

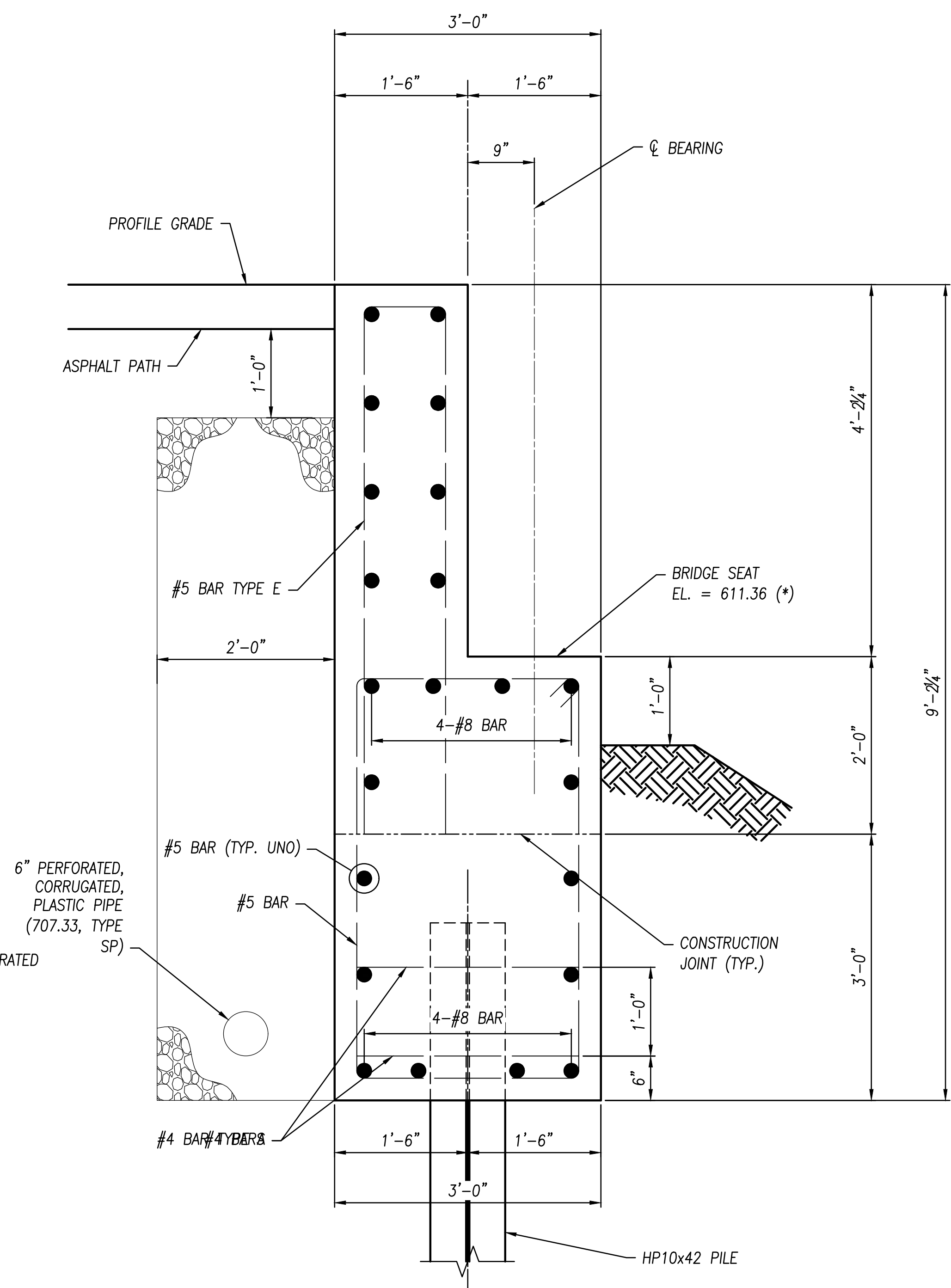
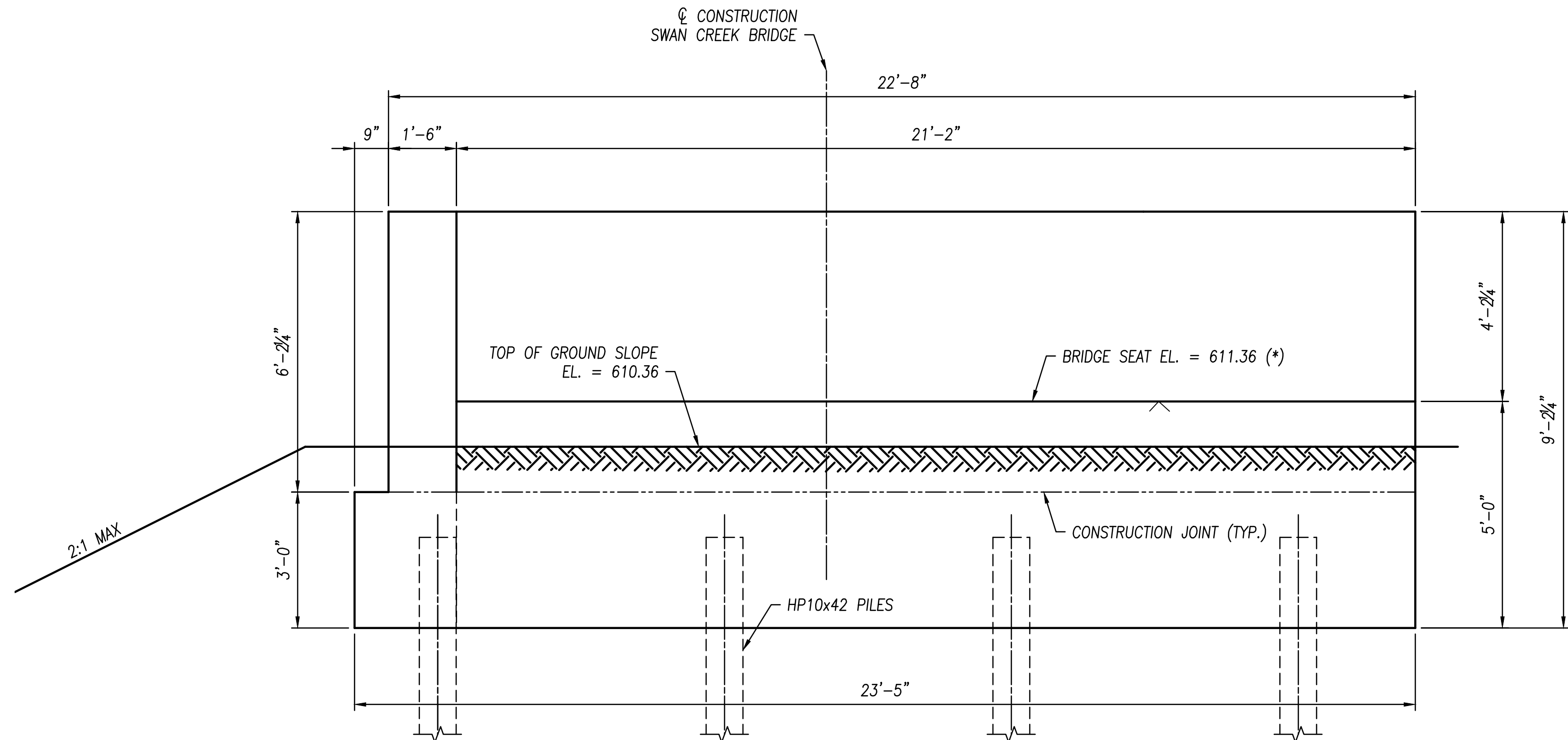
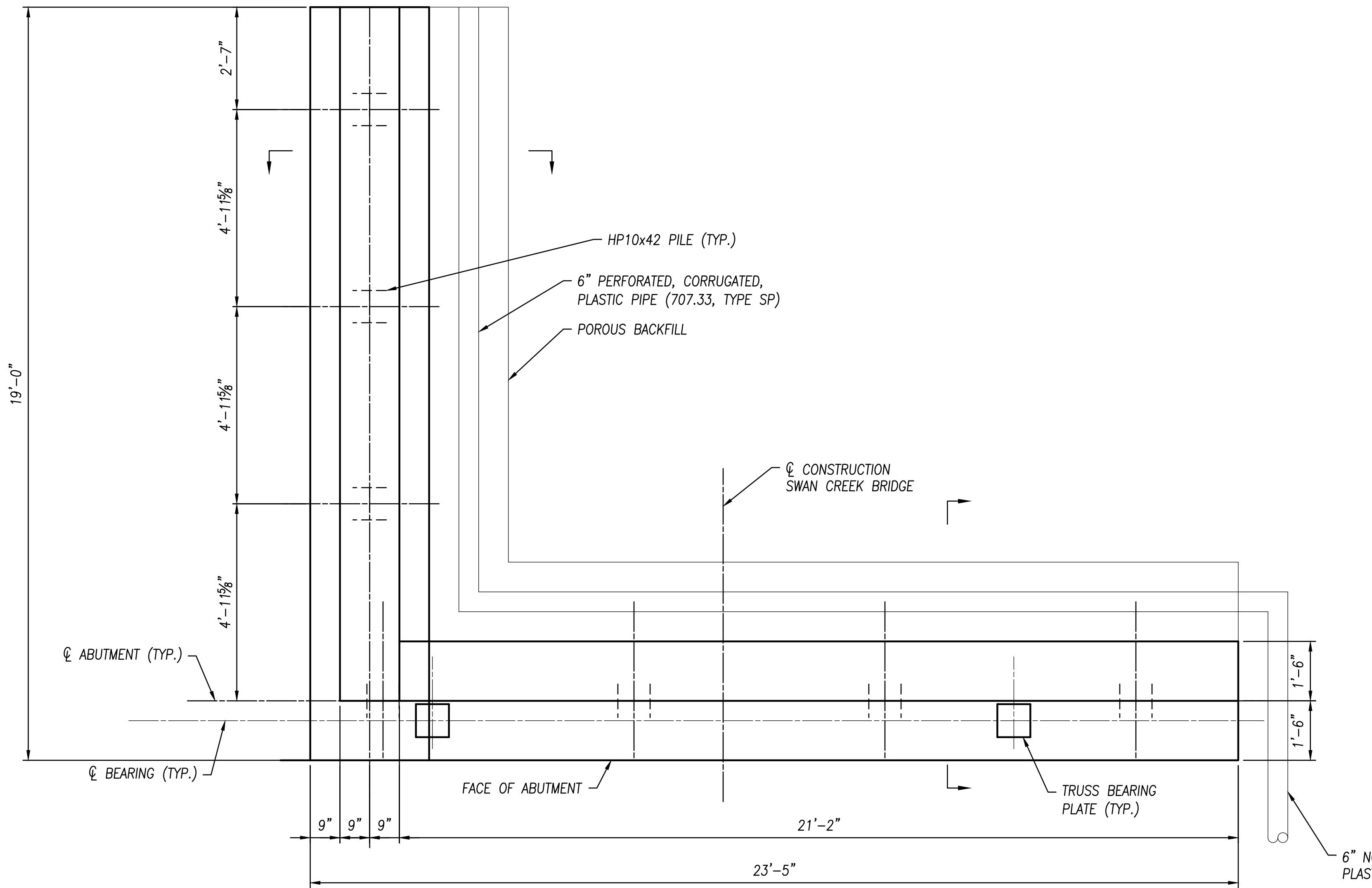


|           |              |
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| FILE:     | 18147 CD.dwg |
| JOB NO.:  | 18147        |
| DRAWN BY: | EAH          |
| ISSUED:   | NOV 14, 2019 |

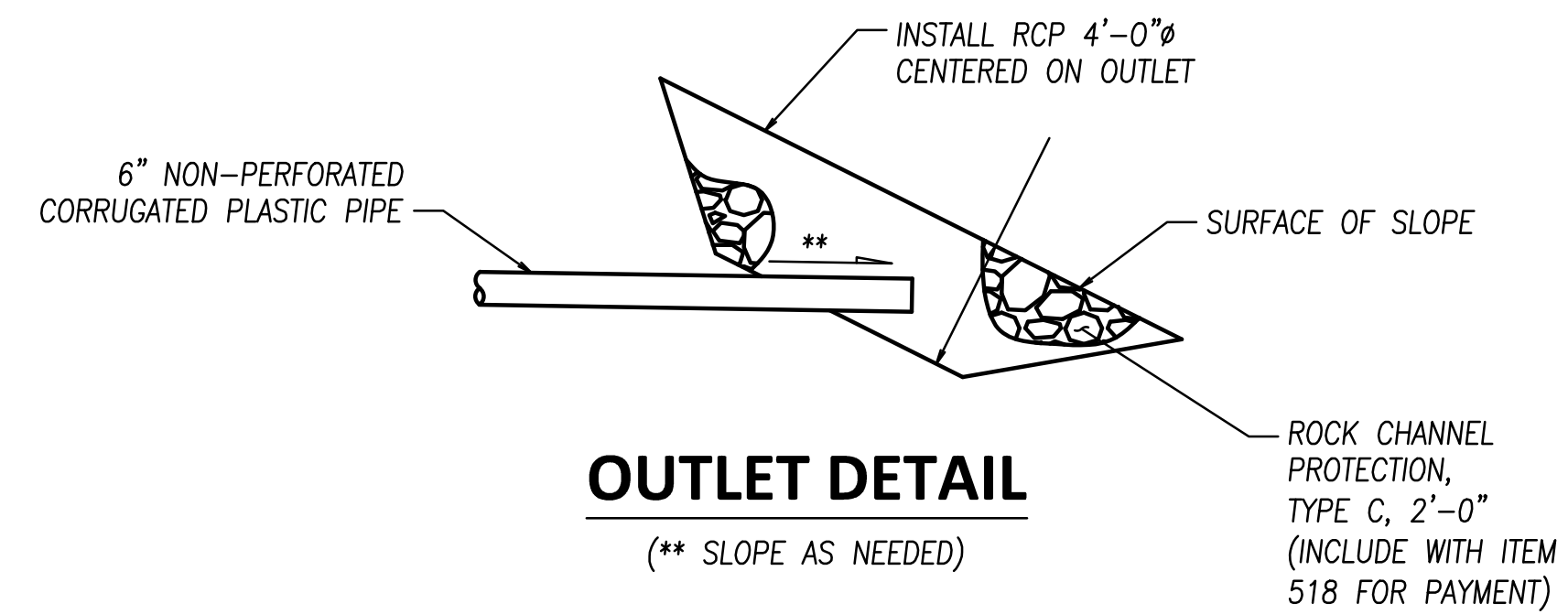
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PLOTTED: Dec 05, 2019 - 2:33pm  
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PLOTTED: Sep 04, 2019 -- 3:26pm  
 DRAWING: M:\18147 (Metroparks - Swan Creek Connector Trail)\STRUCTURAL\Draw\18147 SD.dwg: S4 ABUTMENT DETAILS

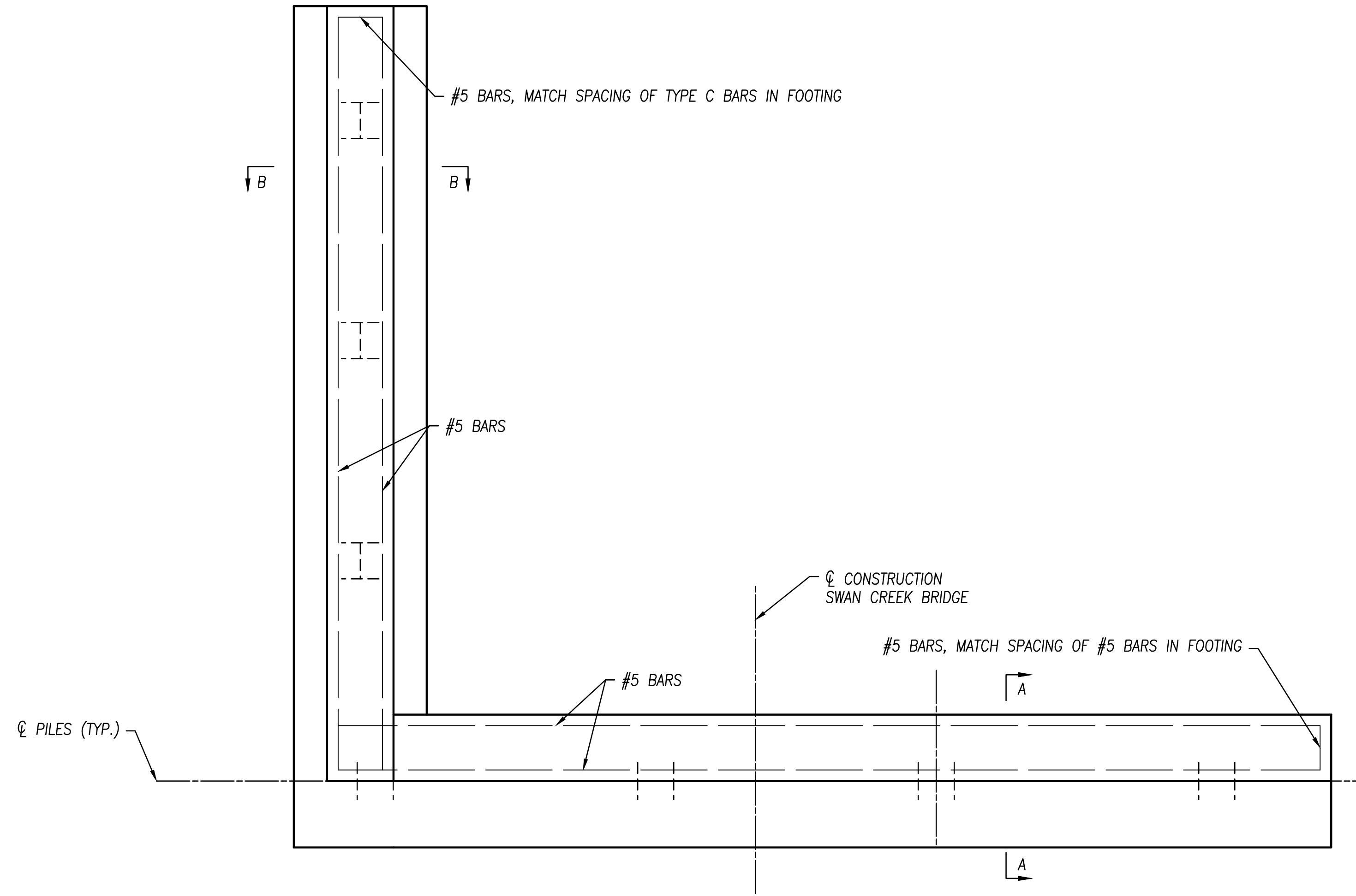


NOTES:  
 (\*) - BASED ON PREFABRICATED TRUSS SYSTEM DETERMINED



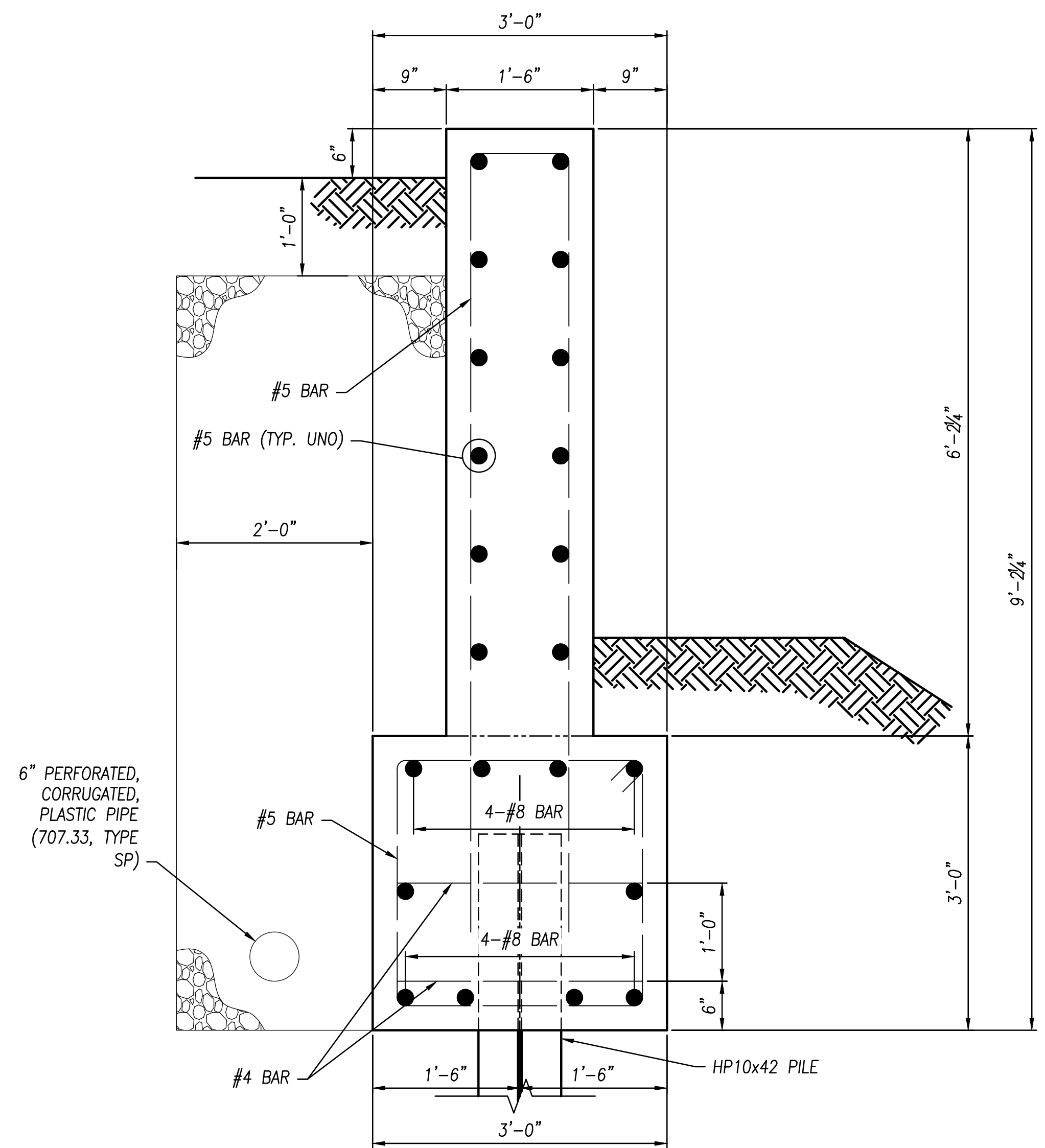
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| METROPARKS TOLEDO          |  | 18147 SD.dwg  |  |
| SWAN CREEK CONNECTOR TRAIL |  | 18147         |  |
| 4301 AIRPORT HWY           |  | X             |  |
| TOLEDO, OHIO 43615         |  | JUNE 26, 2019 |  |
| LUCAS COUNTY               |  | S4            |  |
| ABUTMENT DETAILS           |  | DATE          |  |
| NO                         |  | REVISION      |  |
| 1                          |  | STAGE 3 PLANS |  |
| 2                          |  | 06-26-19      |  |
| 3                          |  |               |  |
| 4                          |  |               |  |
| 5                          |  |               |  |
| 6                          |  |               |  |
| 7                          |  |               |  |
| 8                          |  |               |  |
| 9                          |  |               |  |

PLOTTED: Sep 04, 2019 -- 3:26pm  
DRAWING: M:\18147 (Metroparks - Swan Creek Connector Trail)\STRUCTURAL\Draw\18147 SD.dwg: S5 ABUTMENT DETAILS



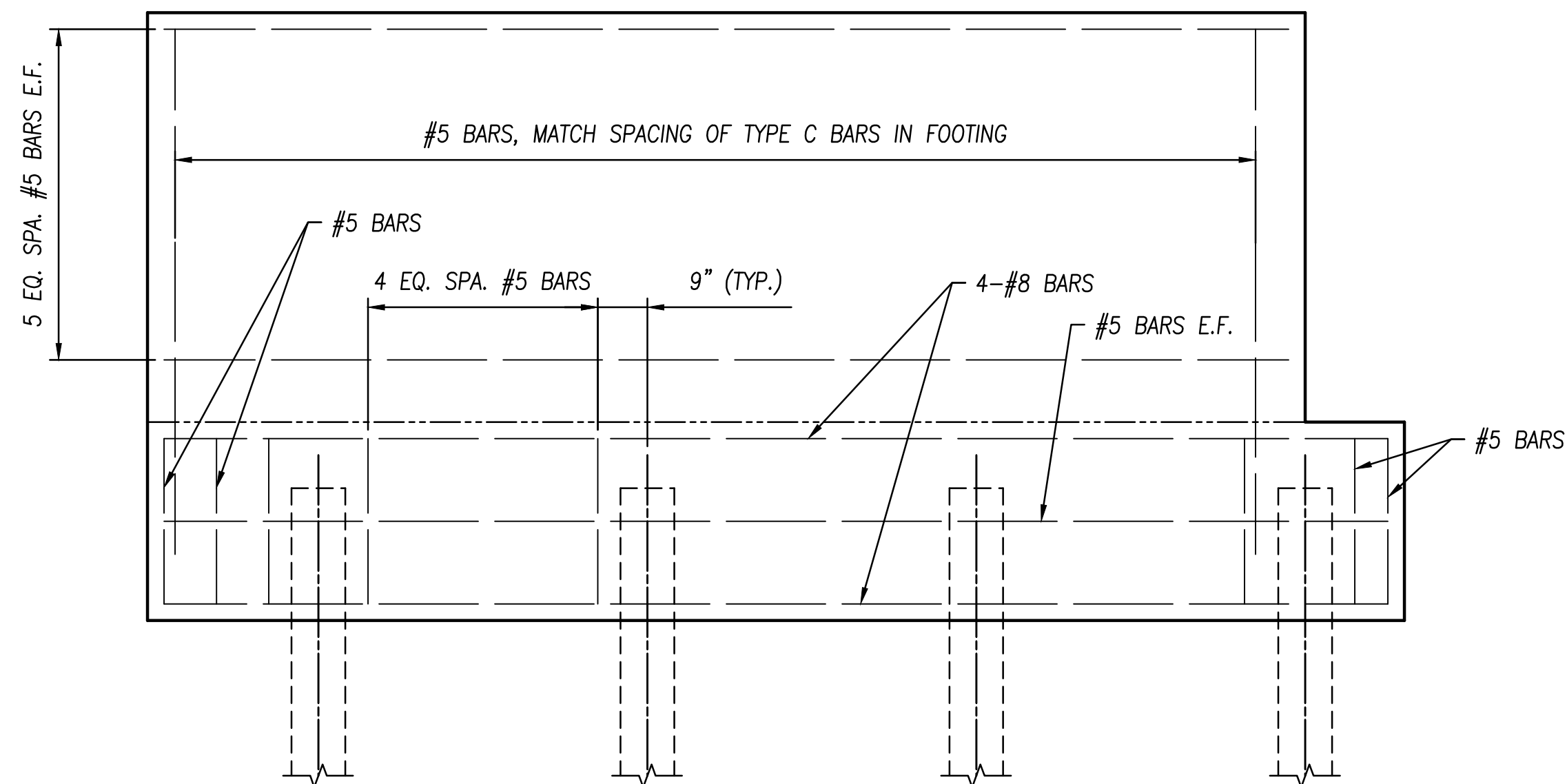
### REAR ABUTMENT REINFORCING PLAN

(FOR CLARITY, FOOTING STEEL IS NOT SHOWN)

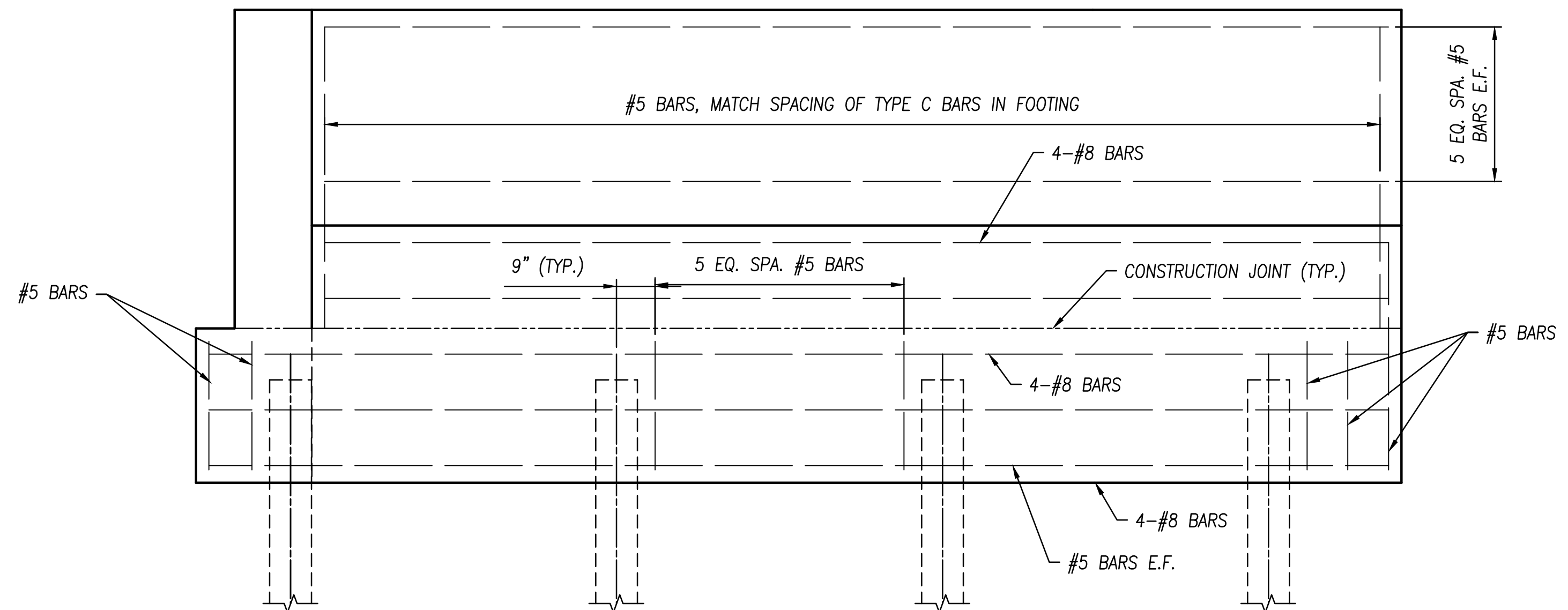


### SECTION B-B

NOTES:  
- SEE SHEET S4 FOR BAR DIMENSIONS AND DETAILS NOT SHOWN



### WINGWALL REINFORCING ELEVATION



### MAIN WALL REINFORCING ELEVATION



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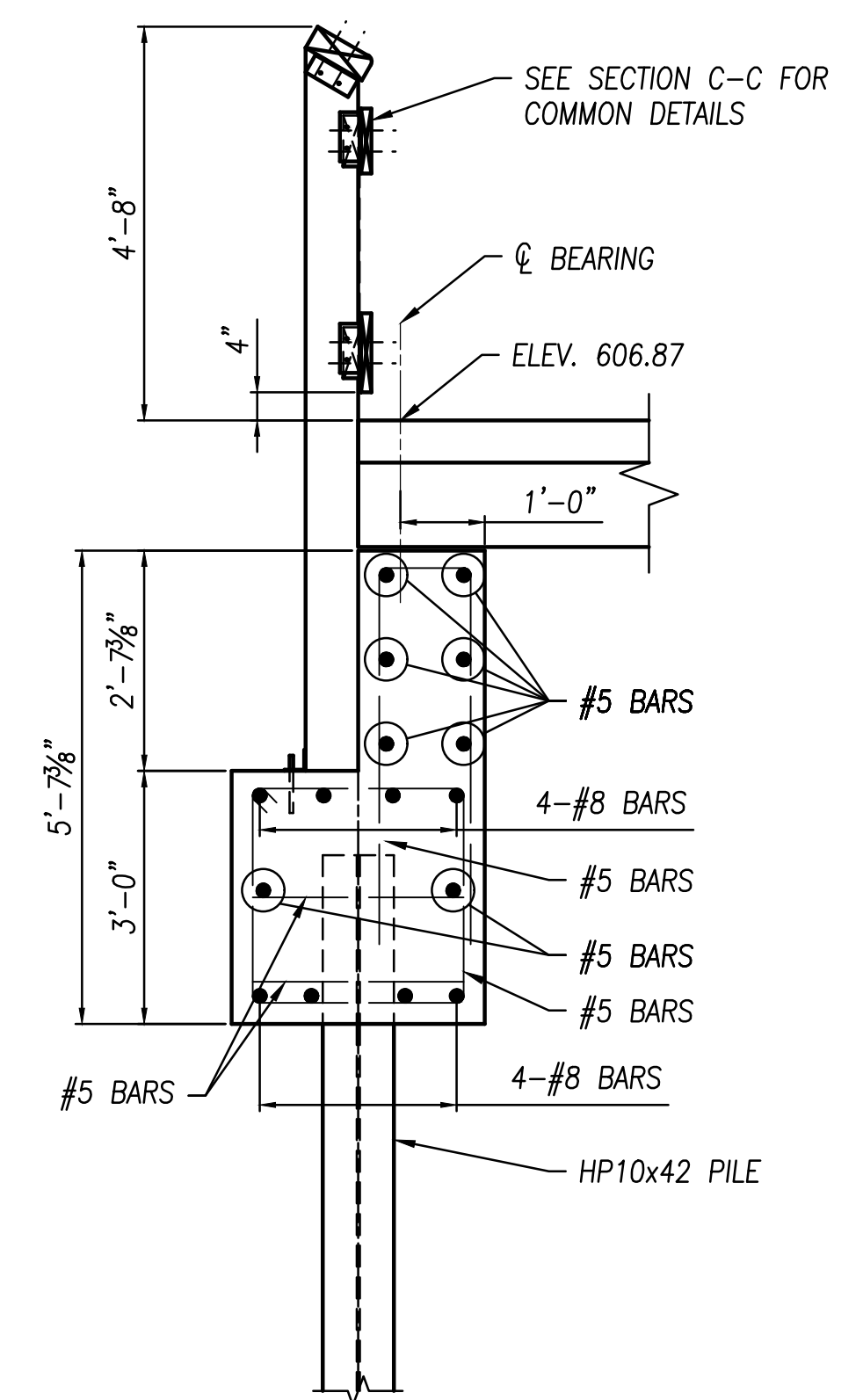
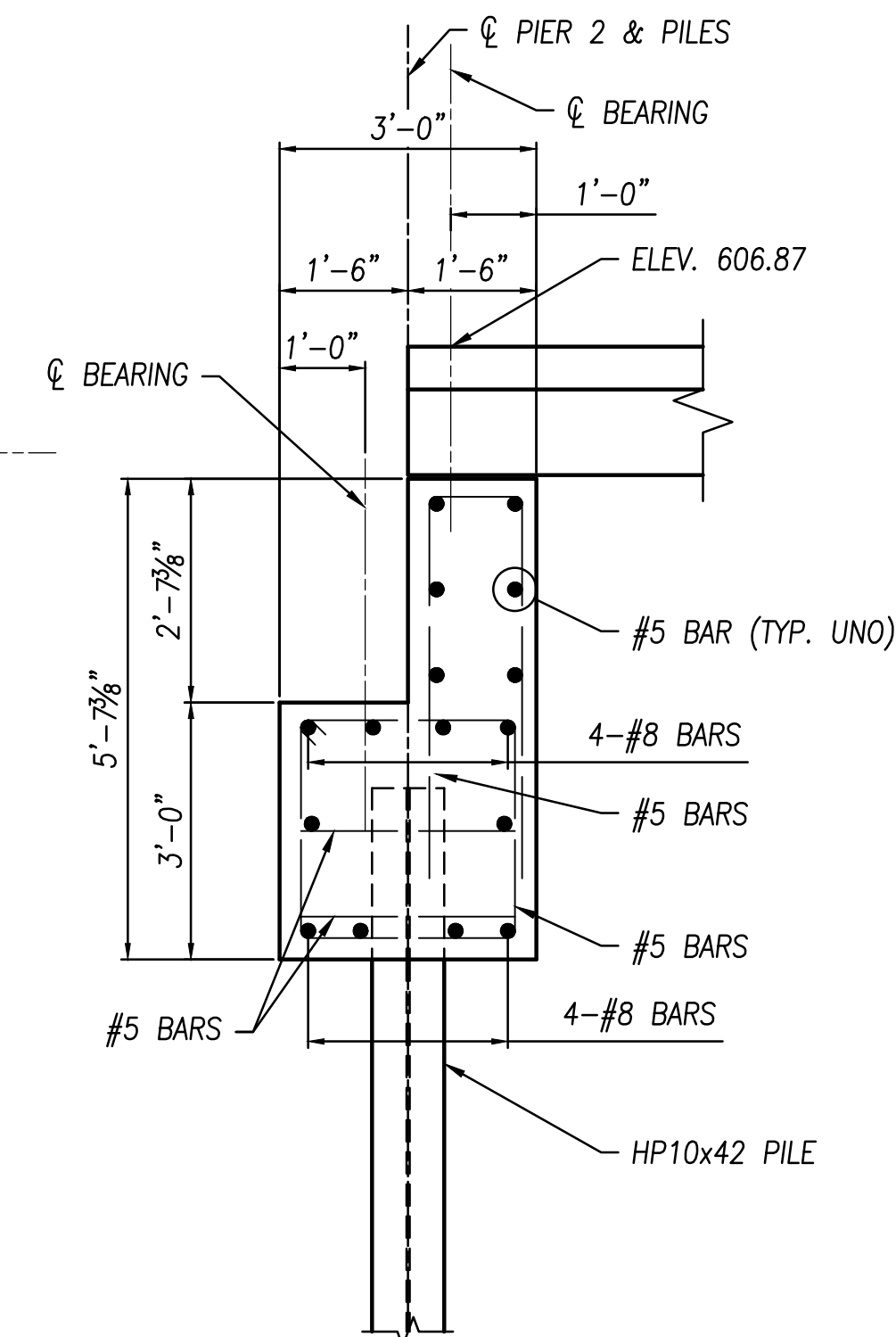
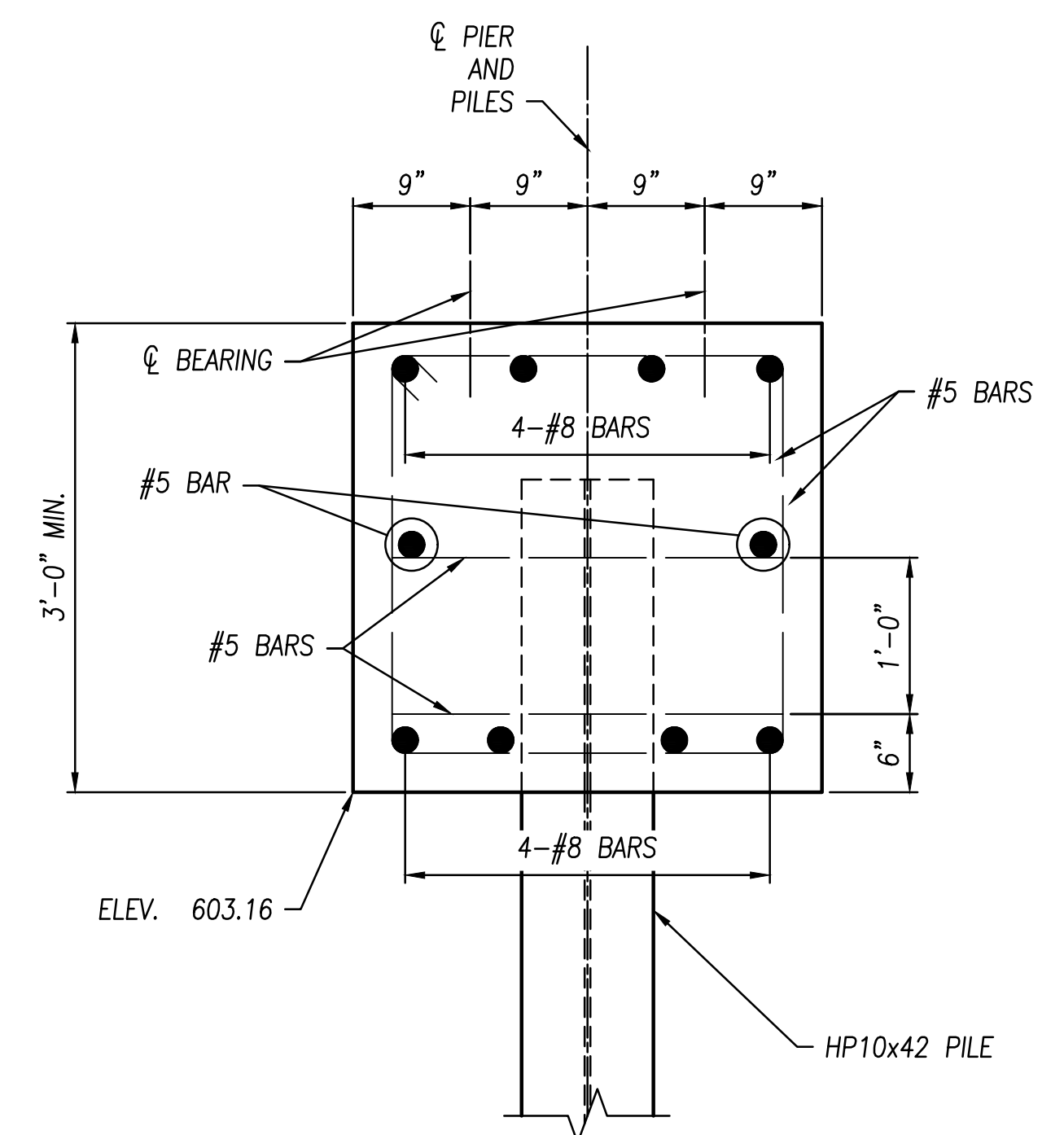
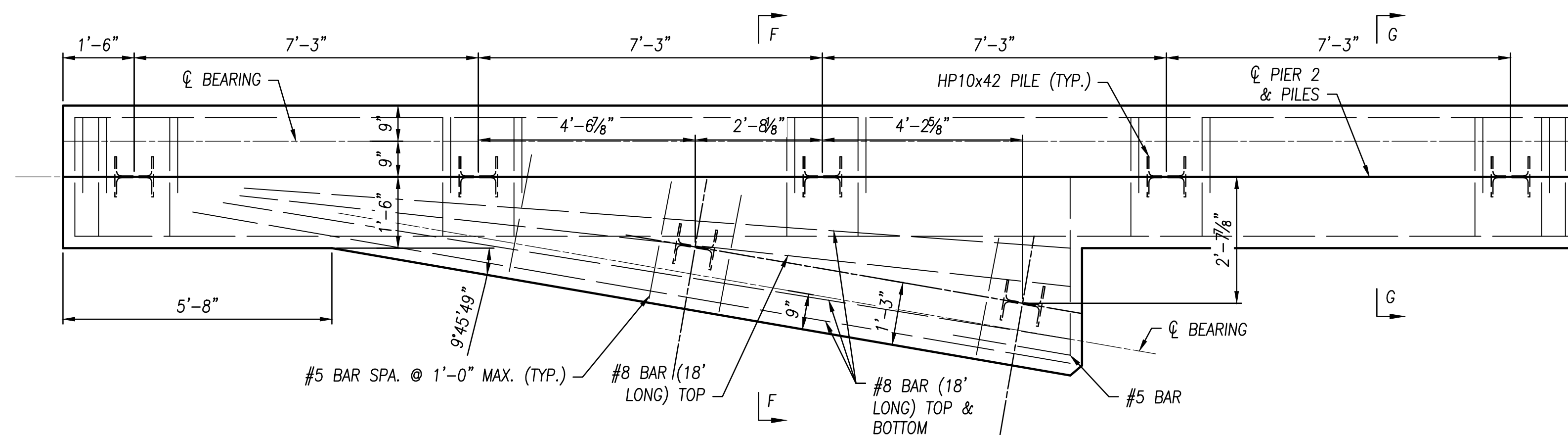
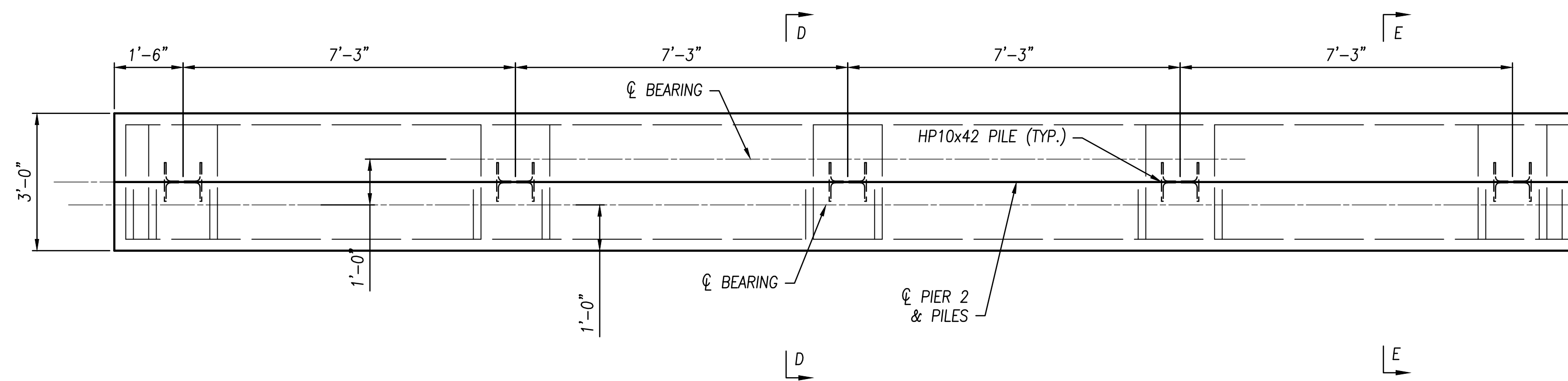
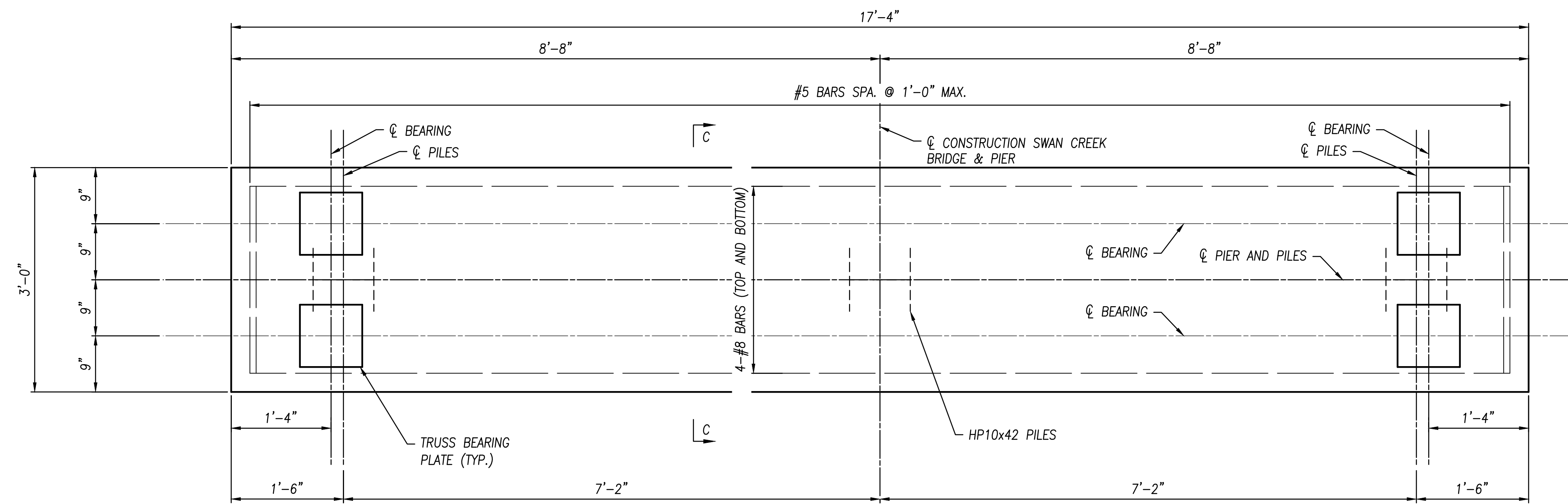
**METROPARKS TOLEDO**  
**SWAN CREEK CONNECTOR TRAIL**  
4301 AIRPORT HWY  
TOLEDO, OHIO 43615  
LUCAS COUNTY


### ABUTMENT DETAILS

FILE: 18147 SD.dwg  
JOB NO.: 18147  
DRAWN BY: X  
ISSUED: JUNE 26, 2019

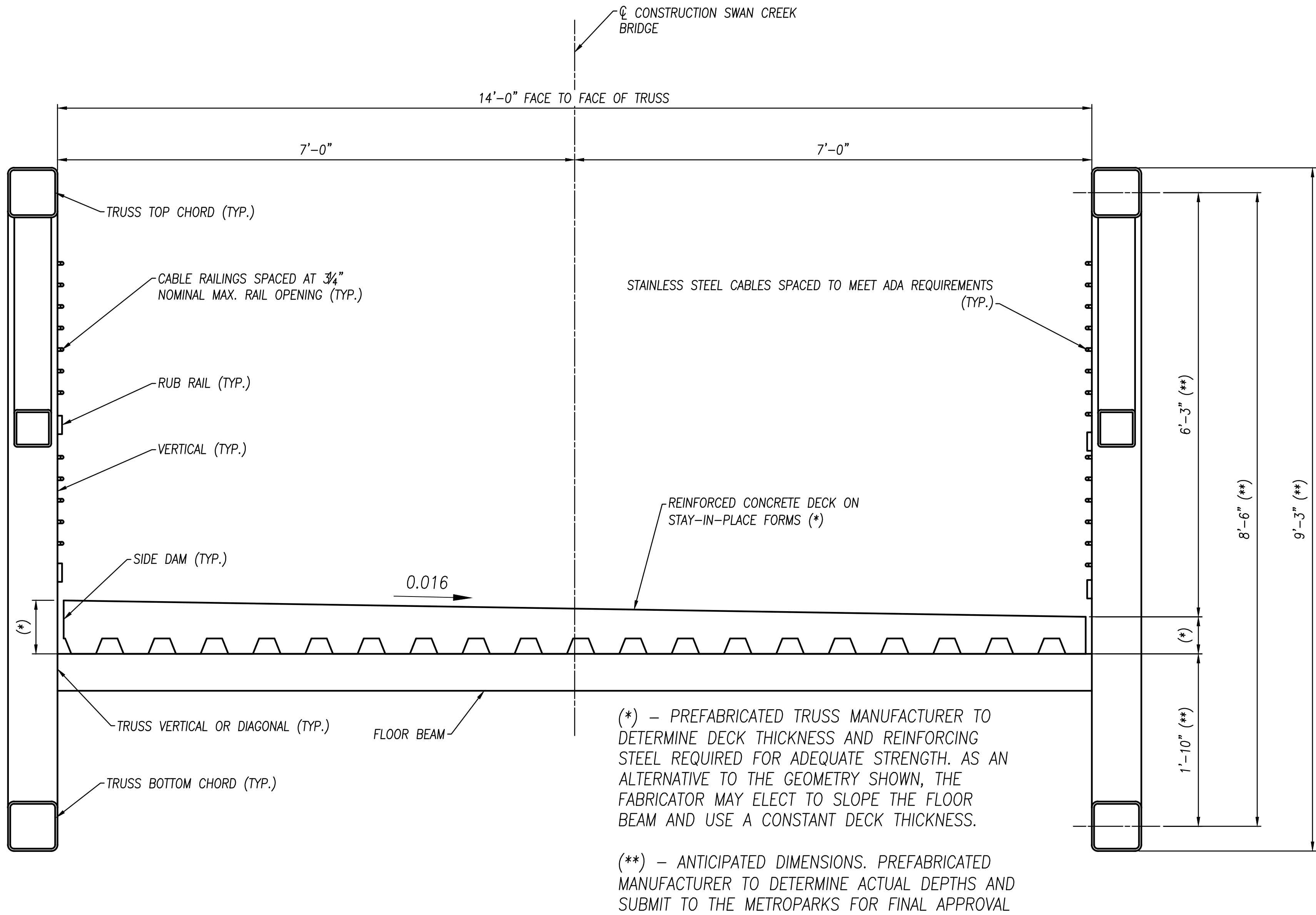
**S5**

| NO | REVISION      | DATE     |
|----|---------------|----------|
| 9  |               |          |
| 8  |               |          |
| 7  |               |          |
| 6  |               |          |
| 5  |               |          |
| 4  |               |          |
| 3  |               |          |
| 2  | STAGE 3 PLANS | 06-26-19 |
| 1  |               |          |



|           |   |               |
|-----------|---|---------------|
| <b>S6</b> | <b>FILE:</b>  | 18147 SD.dwg  |
|           | <b>JOB NO.:</b>   | 18147         |
|           | <b>DRAWN BY:</b>  | SAH           |
|           | <b>ISSUED:</b>  | JUNE 26, 2019 |
|           | <b>METROPARKS TOLEDO</b><br><b>SWAN CREEK CONNECTOR TRAIL</b><br>4301 AIRPORT HWY<br>TOLEDO, OHIO 43615<br>LUCAS COUNTY   |               |
|           |  <p>           DGL CONSULTING ENGINEERS, LLC<br/>           3455 BRIARFIELD BLVD., SUITE E<br/>           MAUMEE, OH 43537<br/>           PHONE: 419.535.1015<br/> <a href="http://www.dgl-ltd.com">www.dgl-ltd.com</a> </p> |               |
|           | <b>PIER 1, 2 &amp; 3 DETAILS</b>  |               |
|           |   |               |
|           |   |               |
|           |   |               |
| NO        | REVISION  | DATE          |
| 1         | STAGE 3 PLANS   | 06-26-19      |
| 2         |   |               |
| 3         |   |               |
| 4         |   |               |
| 5         |   |               |
| 6         |   |               |
| 7         |   |               |
| 8         |   |               |

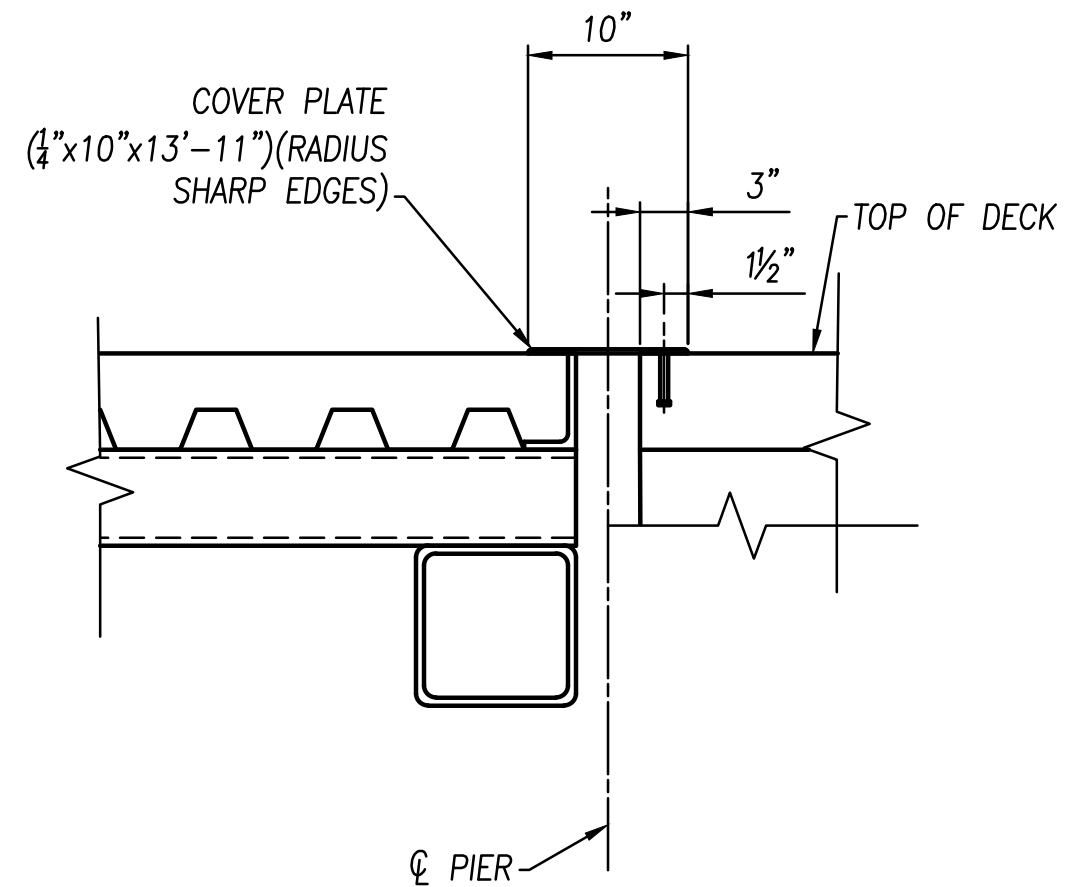
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DRAWING: M:\18147 (Metroparks - Swan Creek Connector Trail)\STRUCTURAL\Drawg\18147 SD.dwg: S7 SUPERSTRUCTURE DETAILS



### PREFABRICATED STRUCTURE SECTION

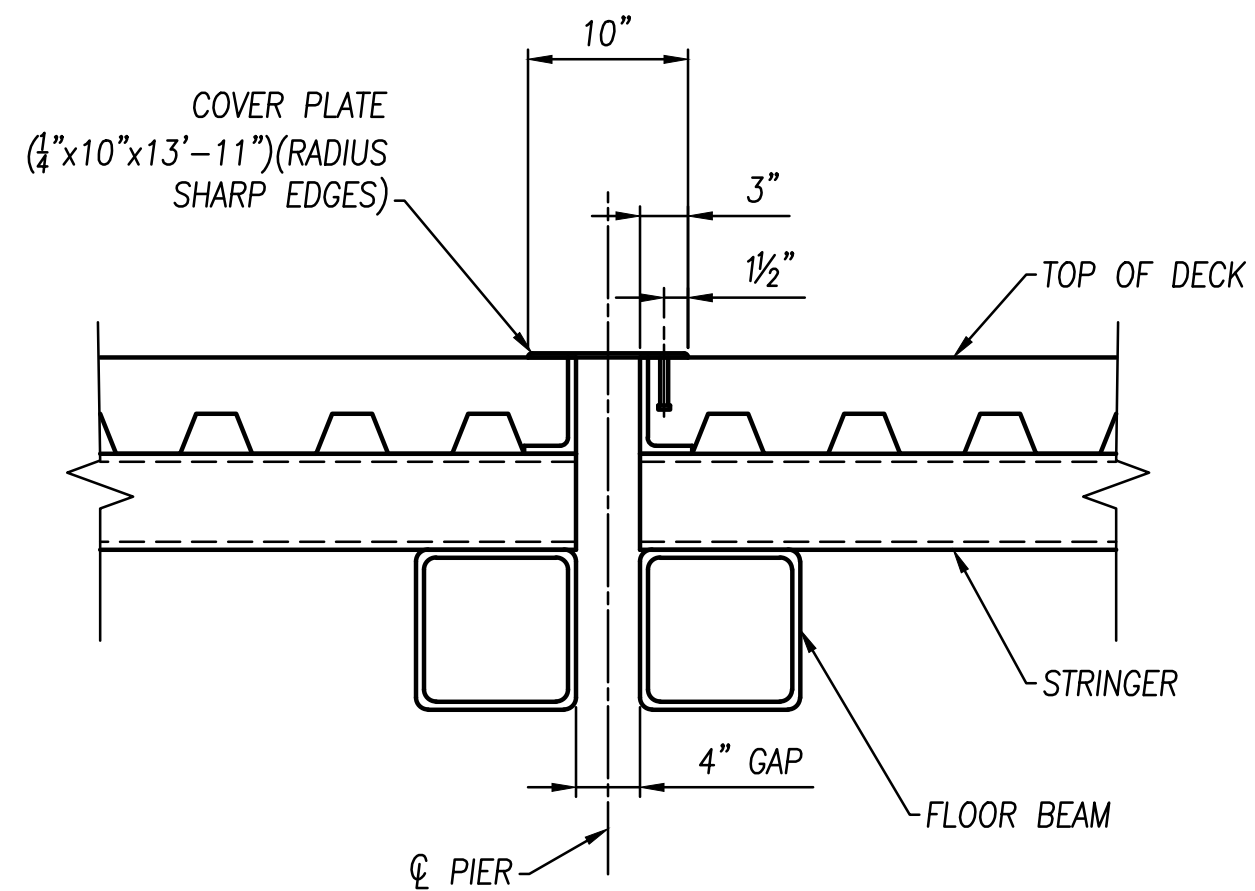
(SPANS 1 AND 2; REFER TO GENERAL NOTES FOR ADDITIONAL DETAILS NOT SHOWN)

NOTES:  
- SEE SHEET S3 FOR ADDITIONAL NOTES AND DETAILS NOT SHOWN



### END OF SPAN 2 TRUSS AT PIER 2

(END OF SPAN 1 TRUSS AT REAR ABUTMENT SIMILAR)



### END OF TRUSSES AT PIER 1



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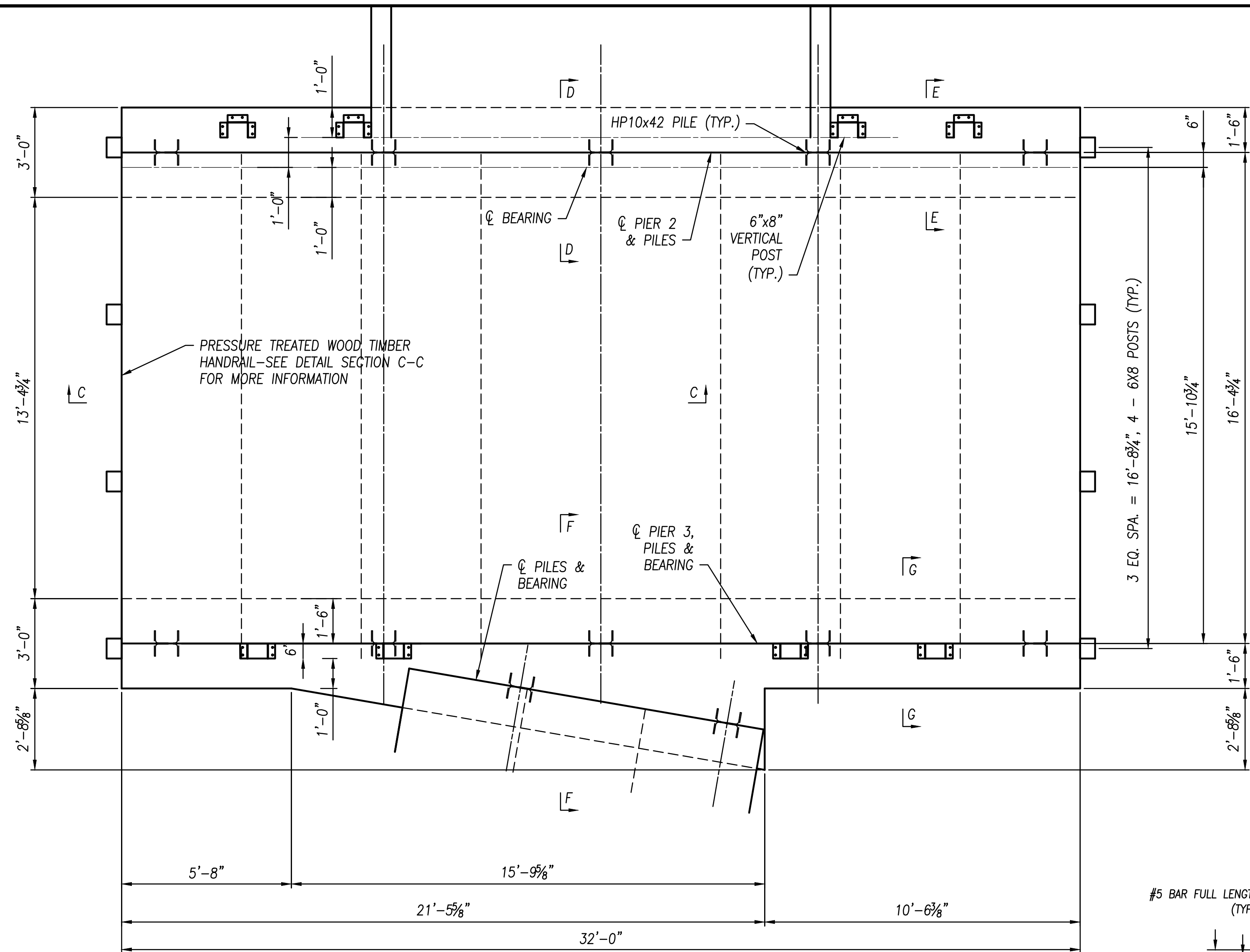
**METROPARKS TOLEDO**  
**SWAN CREEK CONNECTOR TRAIL**  
4301 AIRPORT HWY  
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LUCAS COUNTY

### TRUSS DETAILS

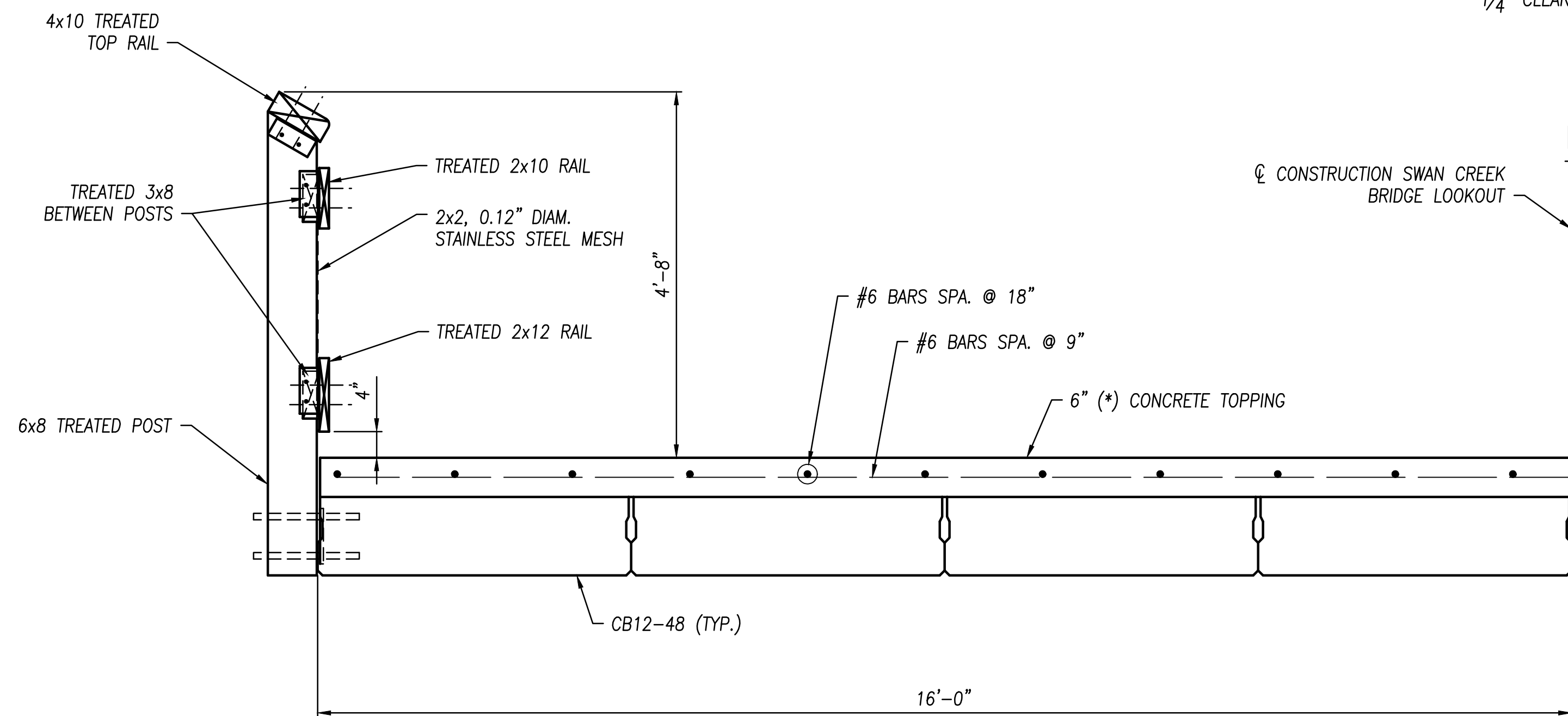
FILE: 18147 SD.dwg  
JOB NO.: 18147  
DRAWN BY: SAH  
ISSUED: JUNE 26, 2019

**S7**

PLOTTED: Sep 04, 2019 -- 3:27pm  
DRAWING: M:\18147 (Metroparks - Swan Creek Connector Trail)\STRUCTURAL\Draw\18147 SD.dwg: S8 LOOKOUT DETAILS

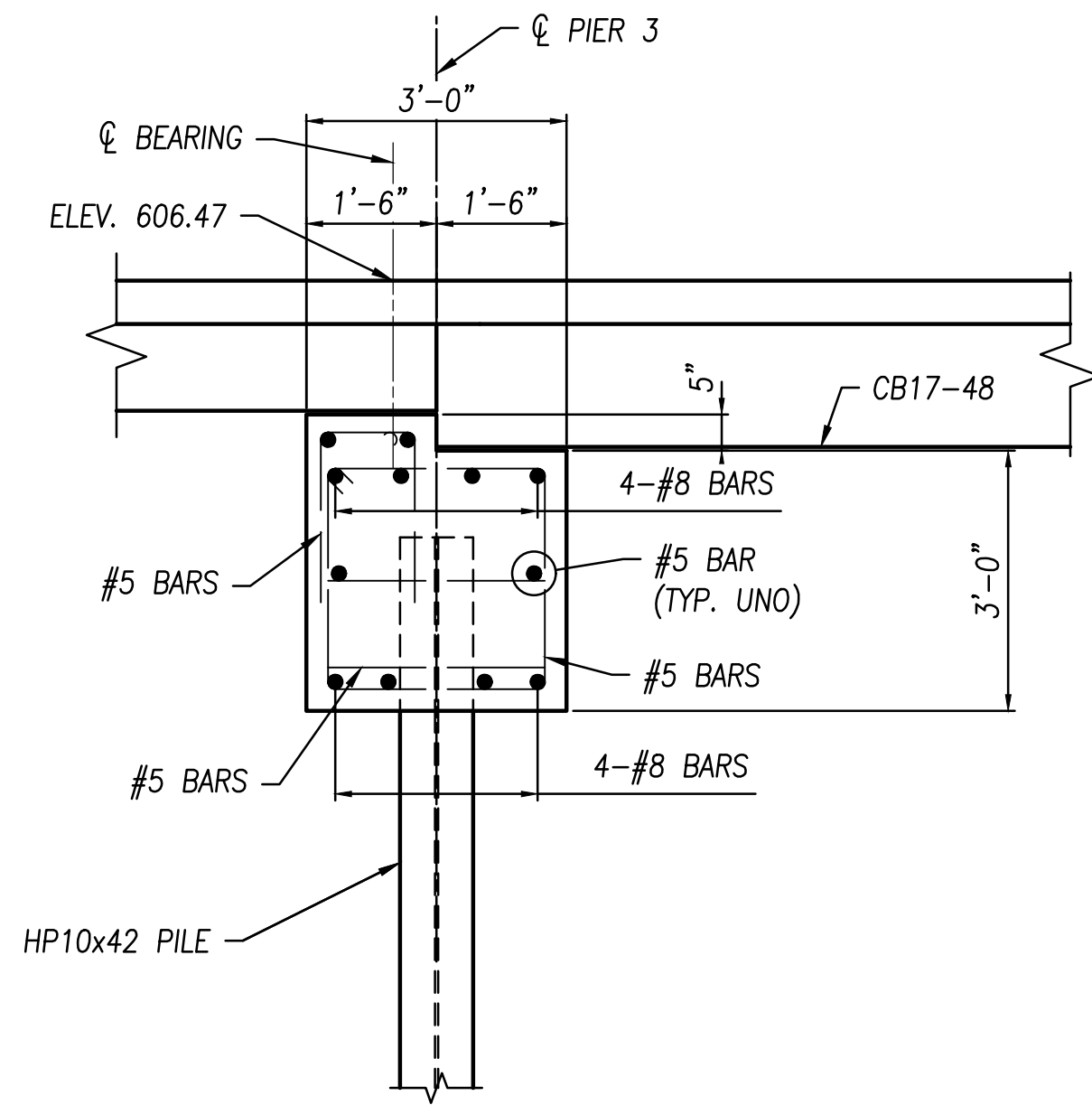


**LOOKOUT PLAN**

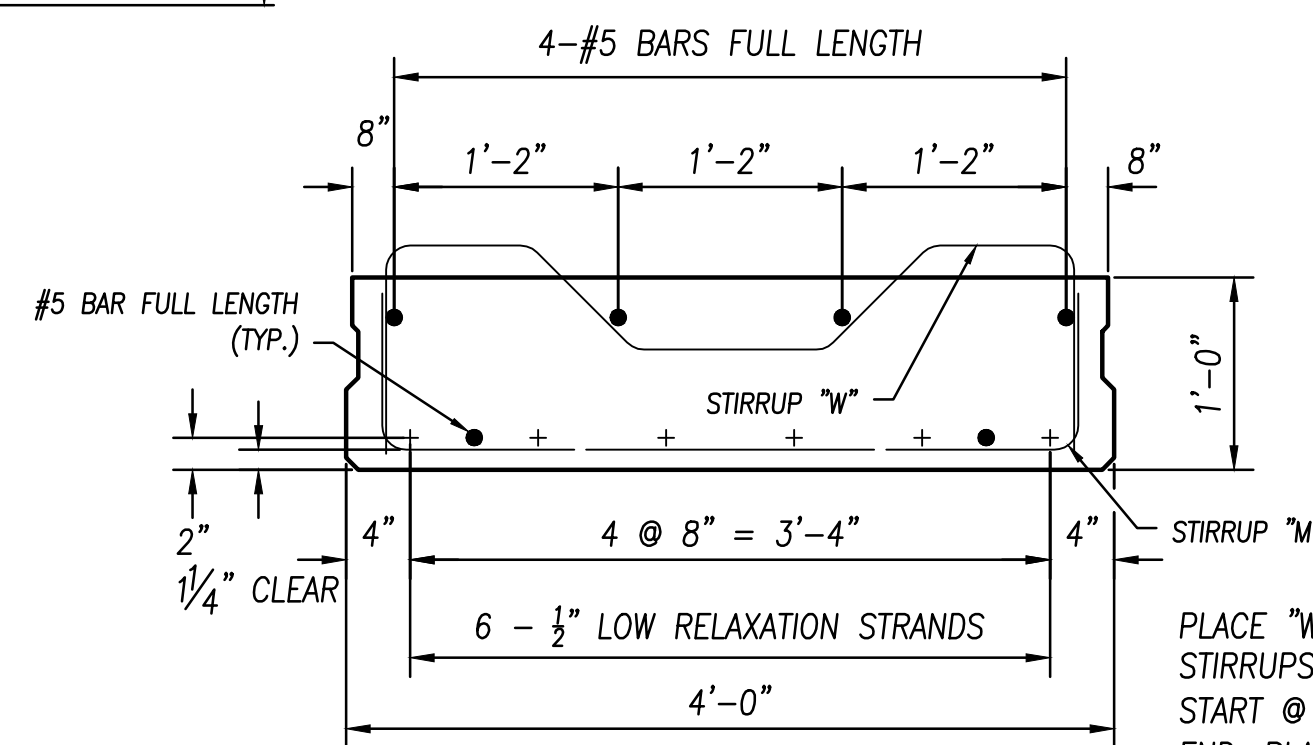


**SECTION C-C**

(\*) - PLACE 6" CONCRETE AT EACH BEAM END, TRANSITION TO 6" DEPTH AT MID-SPAN

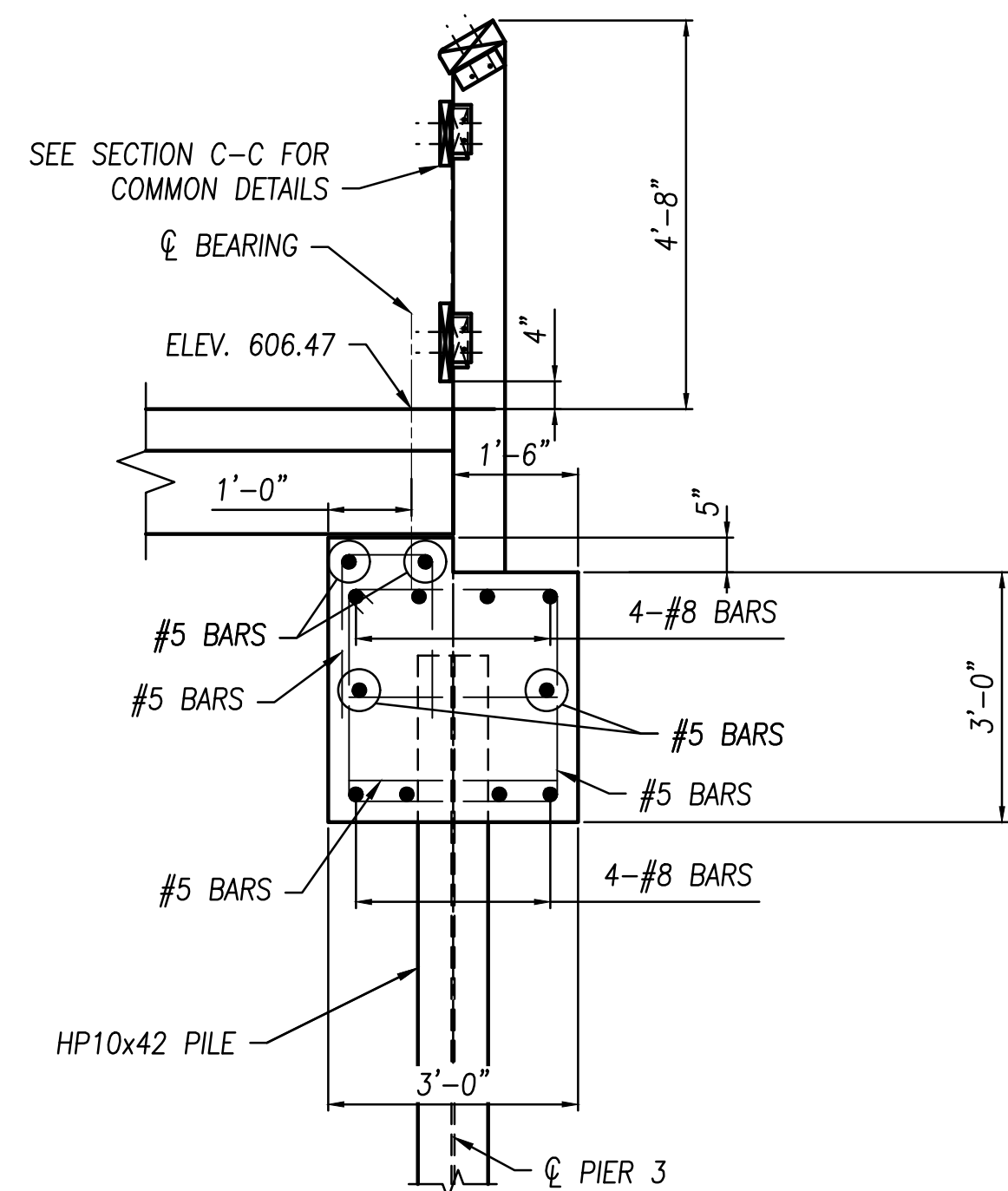


**SECTION F-F**



**BEAM SECTION (CB12-48)  
(SPAN 3)**

PLACE "W" & "M" STIRRUPS TOGETHER. START @ 4" FROM EACH END. PLACE 4 AT 3" SPACING (EACH END). PLACE BOTH TOGETHER IN BETWEEN AT 10" (MAX.) SPACING.



**SECTION G-G**

**METROPARKS TOLEDO  
SWAN CREEK CONNECTOR TRAIL**  
4301 AIRPORT HWY  
TOLEDO, OHIO 43615  
LUCAS COUNTY

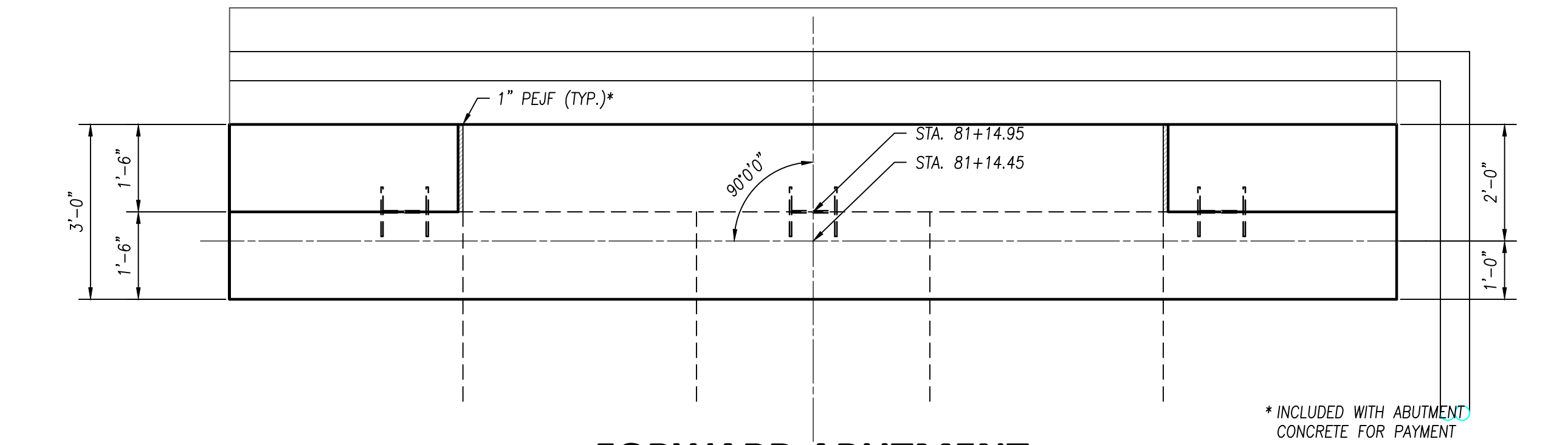
FILE: 18147 SD.dwg  
JOB NO.: 18147  
DRAWN BY: SAH  
ISSUED: JUNE 26, 2019

**S8**

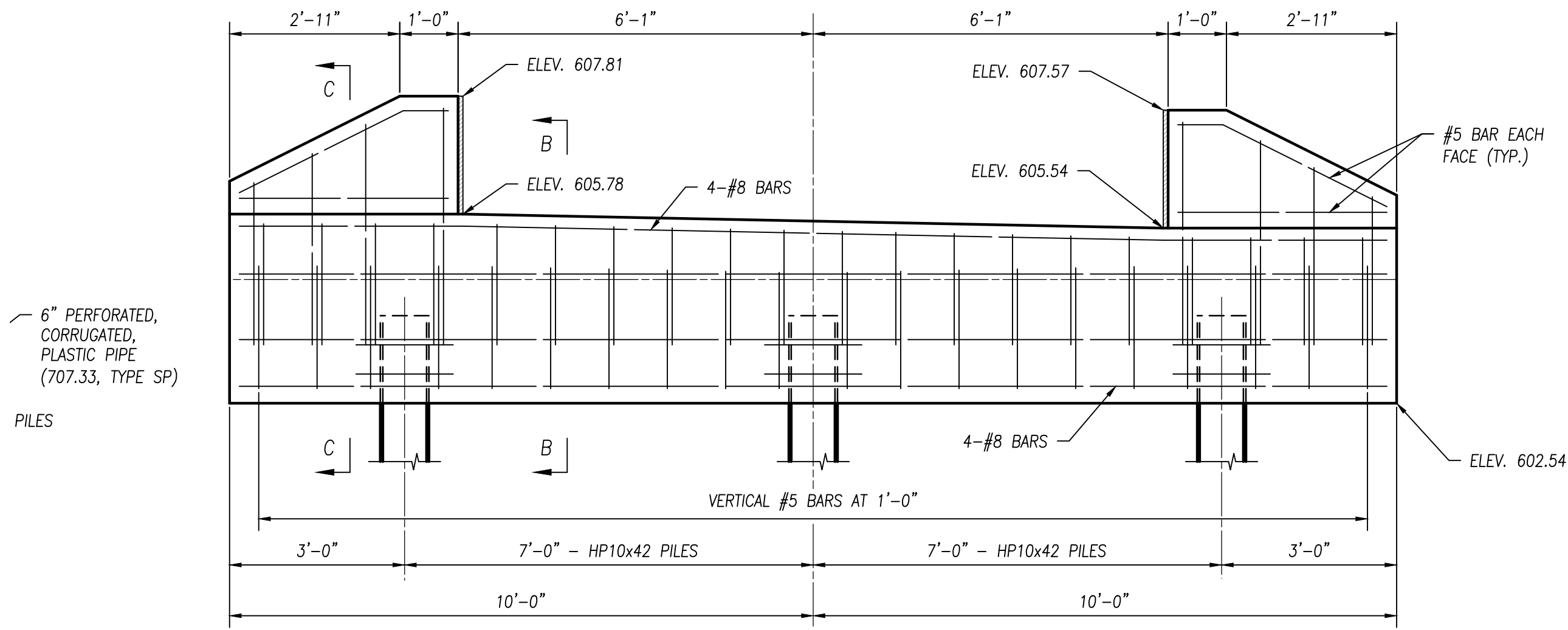


| NO | REVISION      | DATE     |
|----|---------------|----------|
| 1  | STAGE 3 PLANS | 06-26-19 |

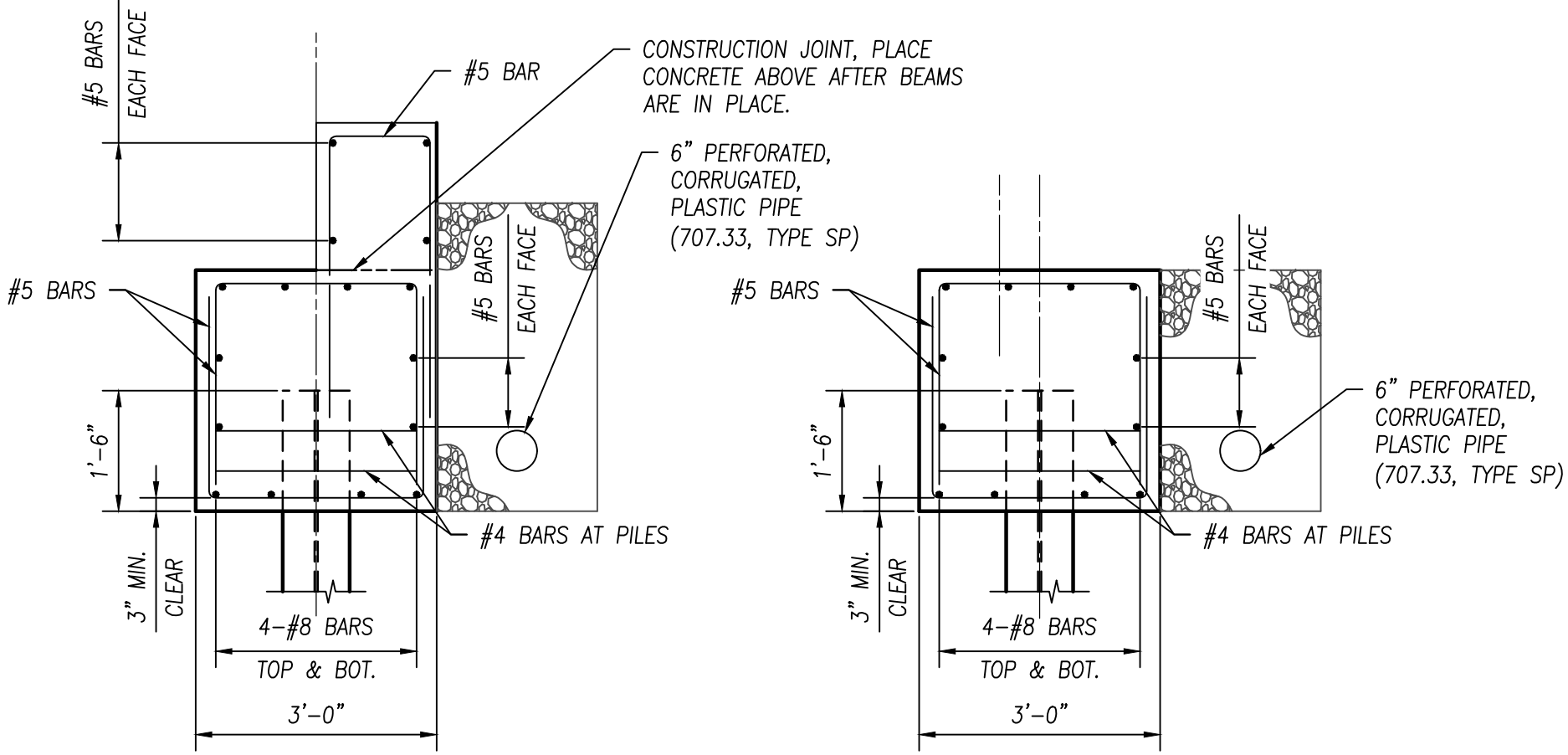
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FORWARD ABUTMENT PLAN



FORWARD ABUTMENT ELEVATION



SECTION C-C

SECTION B-B

| PILE LENGTH TABLE |                       |                             |                         |
|-------------------|-----------------------|-----------------------------|-------------------------|
| LOCATION          | TOP OF PILE ELEVATION | ESTIMATED PILE LENGTH (FT.) | PILE ORDER LENGTH (FT.) |
| REAR ABUT.        | 608.36                | 25                          | 30                      |
| PIER 1            | 605.16                | 55                          | 60                      |
| PIER 2            | 601.75                | 40                          | 45                      |
| PIER 3            | 603.86                | 40                          | 45                      |
| PIER 4            | 603.50                | 40                          | 45                      |
| PIER 5            | 602.95                | 40                          | 45                      |
| PIER 6            | 601.90                | 40                          | 45                      |
| PIER 7            | 600.87                | 40                          | 45                      |
| PIER 8            | 600.46                | 40                          | 45                      |
| PIER 9            | 600.04                | 40                          | 45                      |
| PIER 10           | 599.63                | 40                          | 45                      |
| PIER 11           | 599.63                | 40                          | 45                      |
| PIER 12           | 599.63                | 40                          | 45                      |
| PIER 13           | 600.24                | 40                          | 45                      |
| PIER 14           | 600.87                | 40                          | 45                      |
| PIER 15           | 601.49                | 40                          | 45                      |
| PIER 16           | 602.74                | 40                          | 45                      |
| PIER 17           | 604.01                | 40                          | 45                      |
| FWD. ABUT.        | 604.78                | 40                          | 45                      |



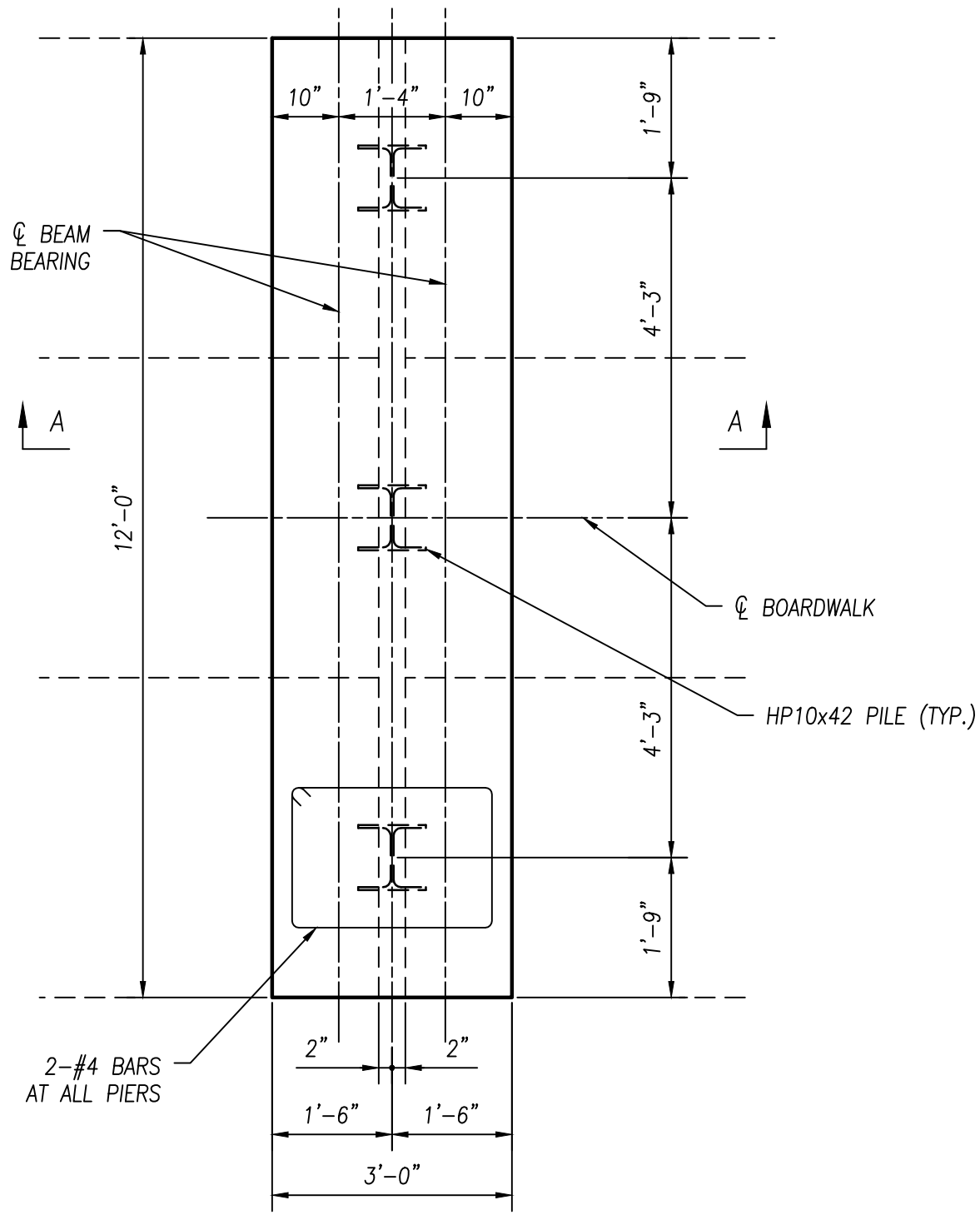
METROPARKS TOLEDO  
 SWAN CREEK CONNECTOR TRAIL  
 4301 AIRPORT HWY  
 TOLEDO, OHIO 43615  
 LUCAS COUNTY

BOARDWALK ABUTMENT DETAILS

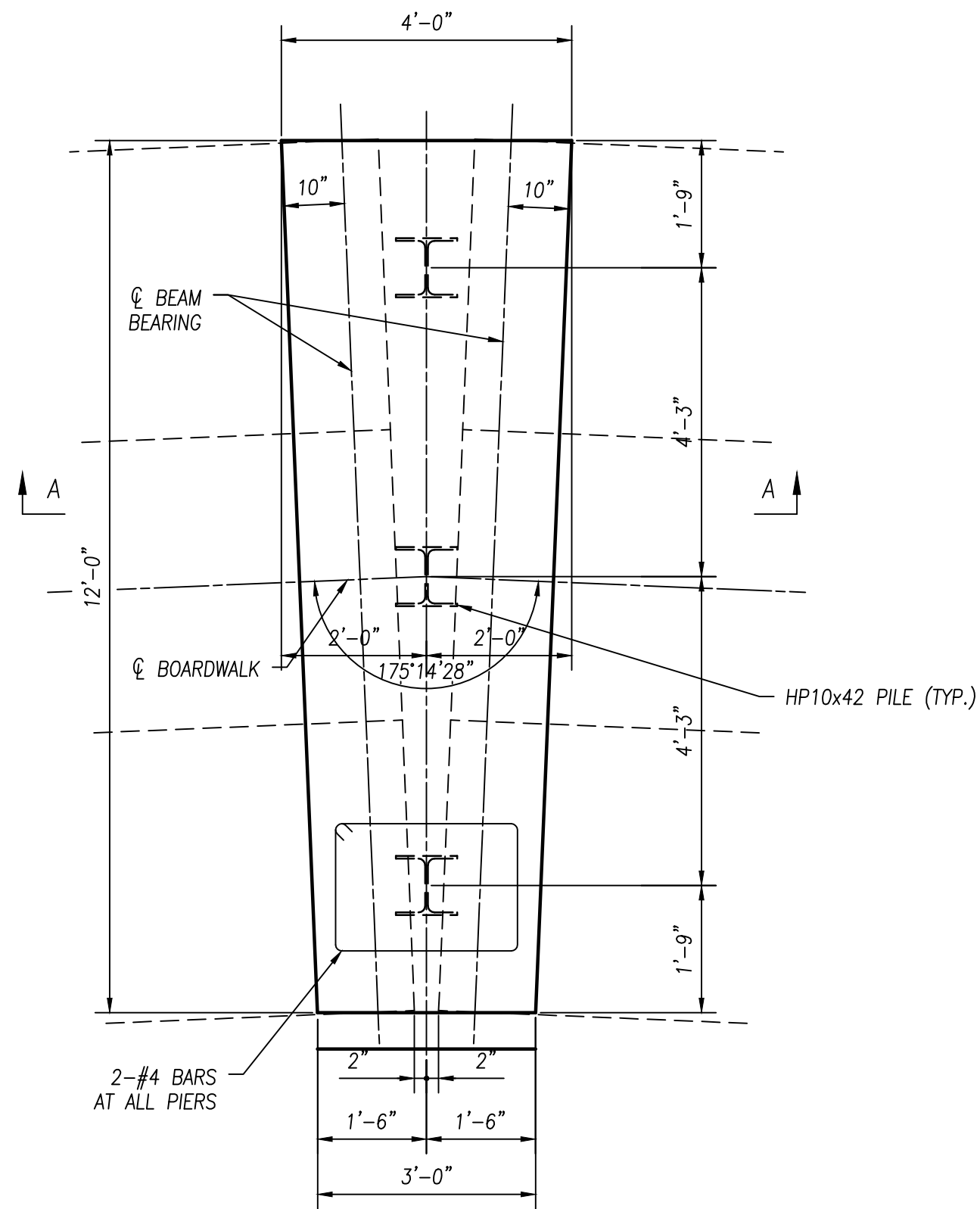
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 JOB NO.: 18147  
 DRAWN BY: SAH  
 ISSUED: JUNE 26, 2019

S9

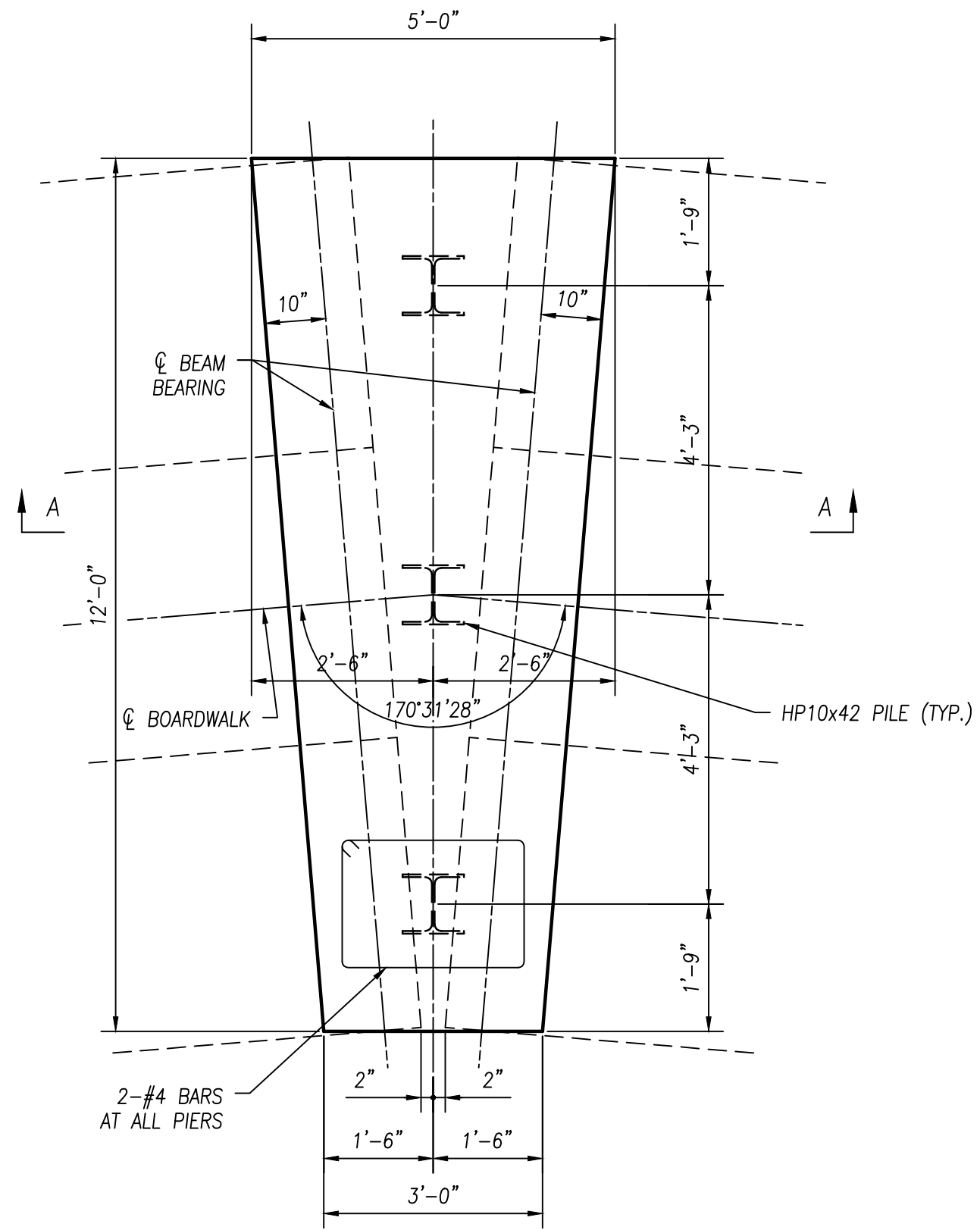
PLOTTED: Sep 04, 2019 -- 3:28pm  
 DRAWING: M:\18147 (Metroparks - Swan Creek Connector Trail)\STRUCTURAL\Draw\18147 SD-SAM.dwg: S10 PIER DETAILS-SAM



PIER PLAN (NO SKEW)  
 (TYPE 1 - 2 LOCATIONS)

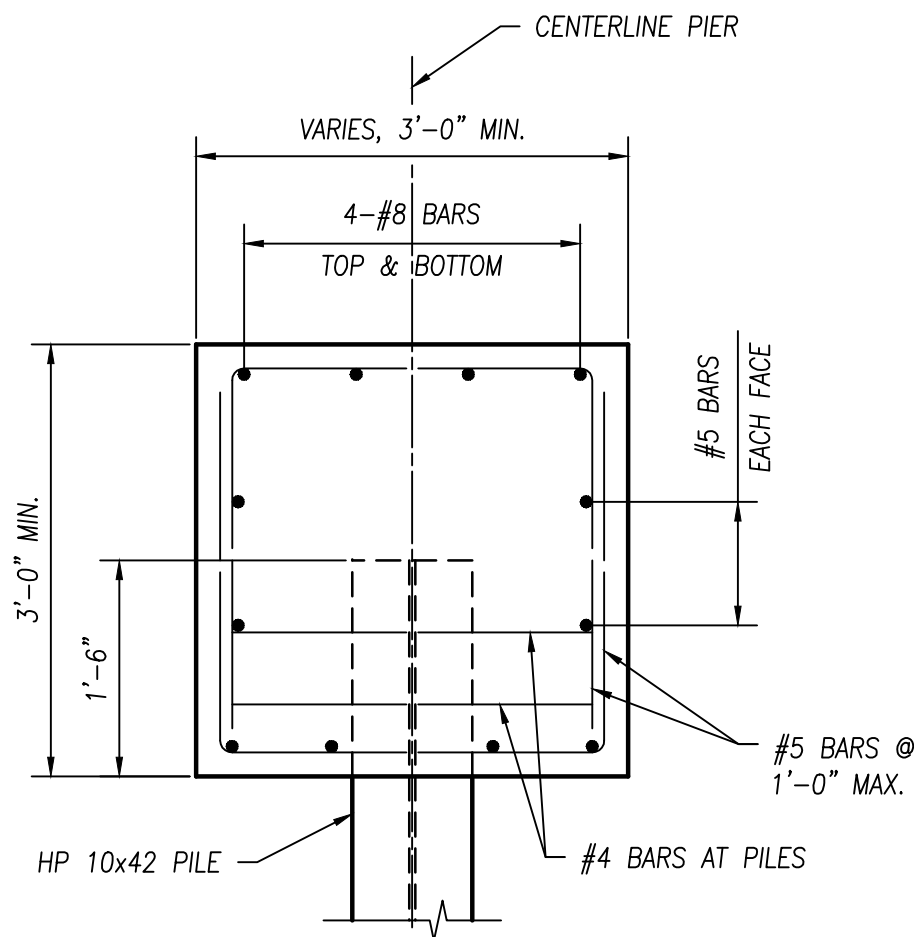


PIER PLAN (4°45'32" SKEW)  
 (TYPE 2 - 10 LOCATIONS)



PIER PLAN (9°28'32" SKEW)  
 (TYPE 3 - 2 LOCATIONS)

| PIER INFORMATION |      |          |
|------------------|------|----------|
| PIER             | TYPE | STATION  |
| 5                | 2    | 75+46.52 |
| 6                | 2    | 75+88.37 |
| 7                | 2    | 76+30.23 |
| 8                | 1    | 76+71.82 |
| 9                | 2    | 77+13.42 |
| 10               | 2    | 77+55.27 |
| 11               | 2    | 77+97.13 |
| 12               | 2    | 78+38.99 |
| 13               | 2    | 78+80.84 |
| 14               | 2    | 79+22.70 |
| 15               | 1    | 79+64.29 |
| 16               | 3    | 80+06.15 |
| 17               | 3    | 80+48.52 |
| 18               | 2    | 80+90.64 |



SECTION A-A

METROPARKS TOLEDO  
 SWAN CREEK CONNECTOR TRAIL  
 4301 AIRPORT HWY  
 TOLEDO, OHIO 43615  
 LUCAS COUNTY

BOARDWALK PIER DETAILS

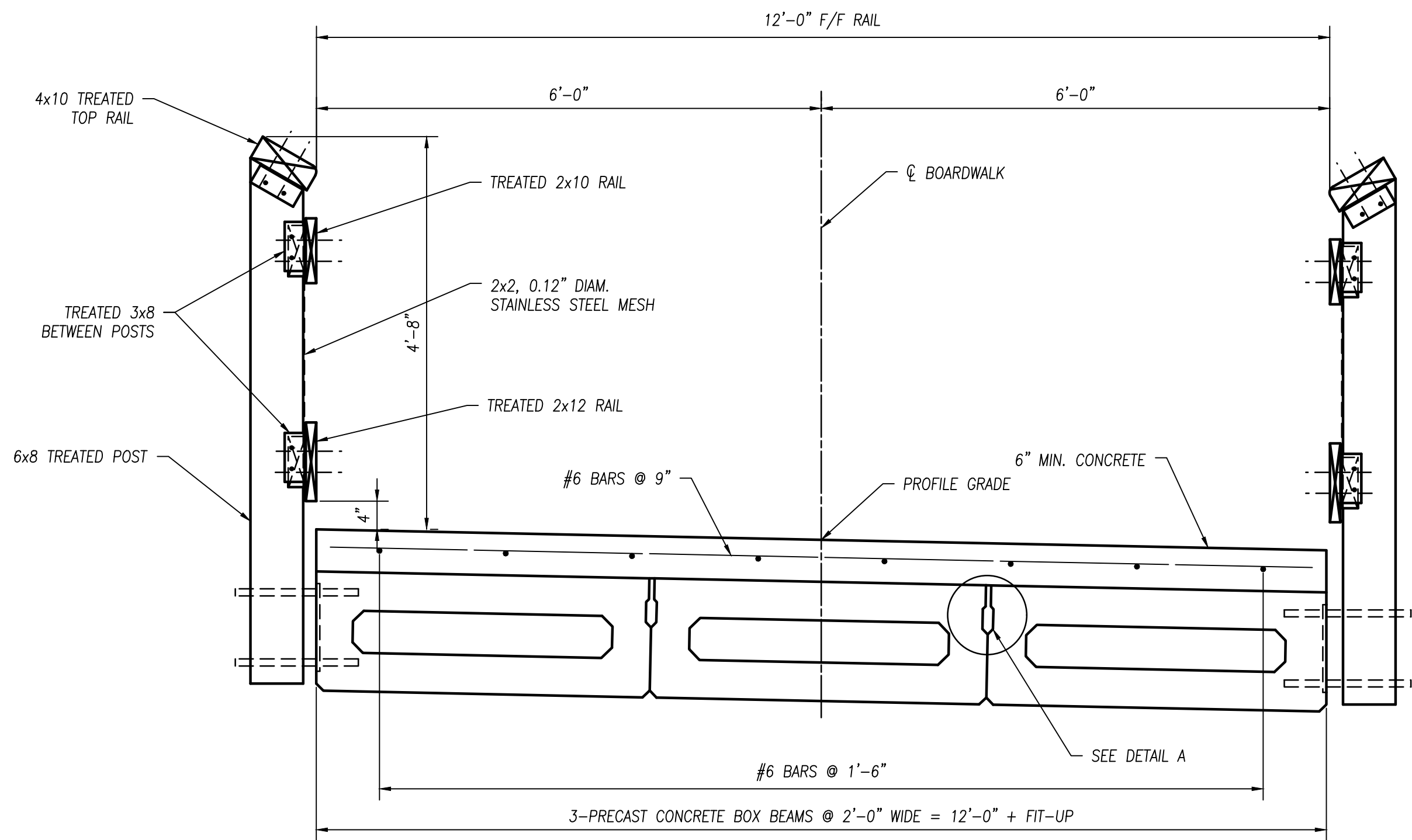
FILE: 18147 SD-SAM.dwg  
 JOB NO.: 18147  
 DRAWN BY: SAH  
 ISSUED: JUNE 26, 2019

S10

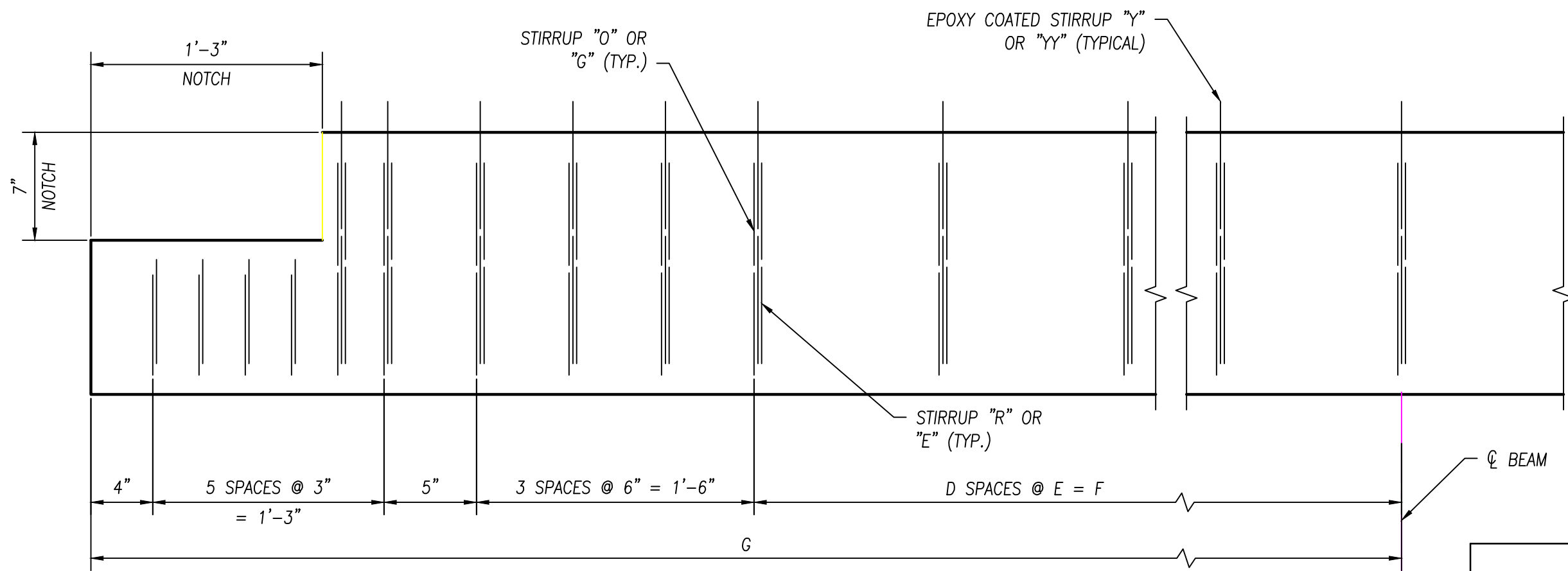

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 MAUMEE, OH 43537  
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| NO | REVISION      | DATE     |
|----|---------------|----------|
| 1  | STAGE 1 PLANS | 02-15-19 |
| 2  | STAGE 3 PLANS | 06-26-19 |

PLOTTED: Sep 04, 2019 -- 3:28pm  
 DRAWING: M:\18147 (Metroparks - Swan Creek Connector Trail)\STRUCTURAL\Drawg\18147 SD-SAM.dwg: S11 BEAM DETAILS-SAM

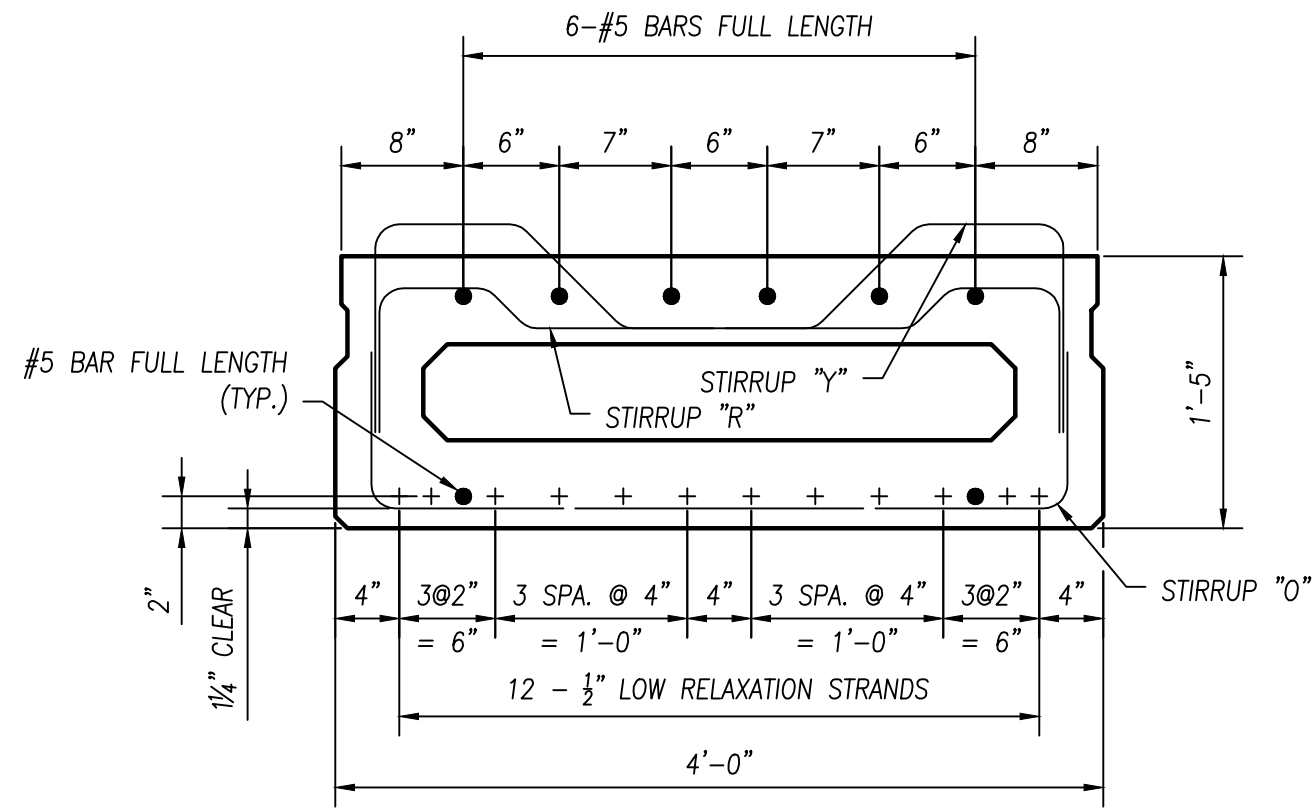


TYPICAL BOARDWALK SECTION

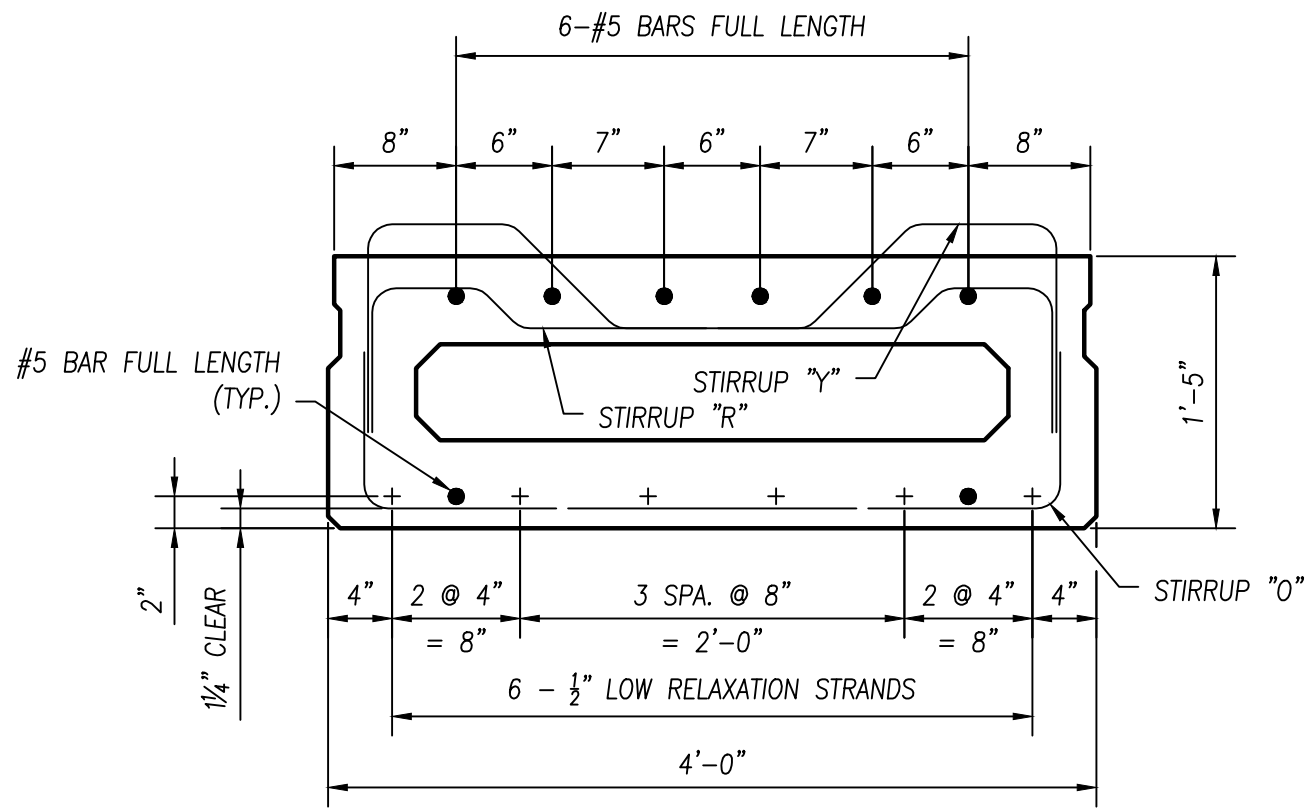


TYPICAL BEAM ELEVATION  
(ALL SPANS)

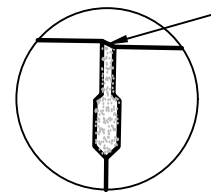
| TYPICAL BEAM ELEVATION DIMENSIONS |    |          |            |            |
|-----------------------------------|----|----------|------------|------------|
| SPAN                              | D  | DIM. "E" | DIM. "F"   | DIM. "G"   |
| 4                                 | 7  | 11"±     | 6'-4 1/8"  | 9'-10 1/8" |
| 5 THRU 17                         | 17 | 1'-0"    | 17'-0"     | 20'-6"     |
| 18                                | 8  | 1'-0"±   | 7'-11 1/4" | 11'-5 1/4" |



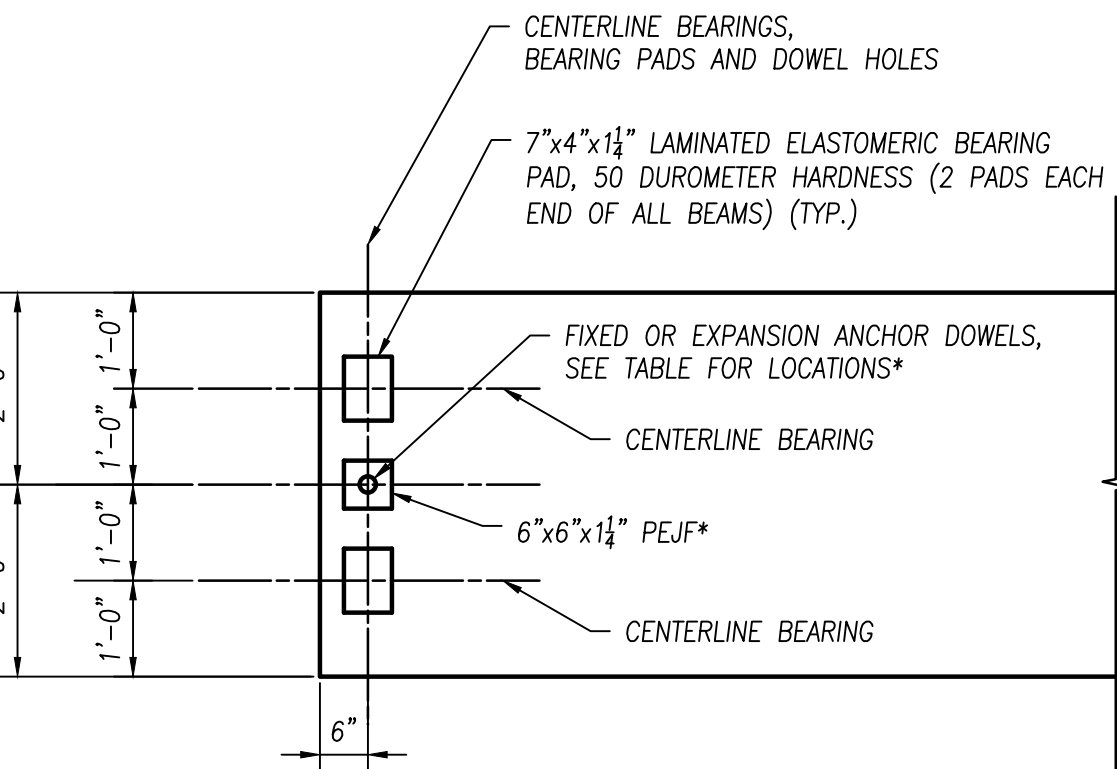
BEAM SECTION (CB17-48)  
(SPANS 5 - 17)



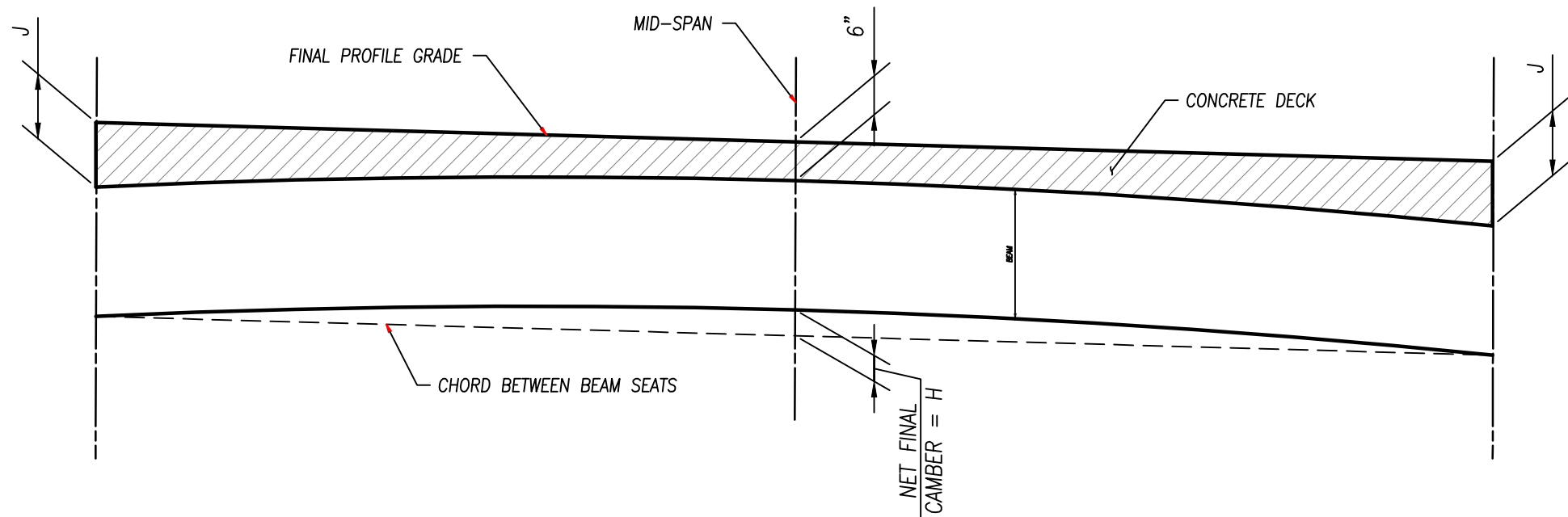
BEAM SECTION (CB17-48)  
(SPANS 4 & 18)



DETAIL A

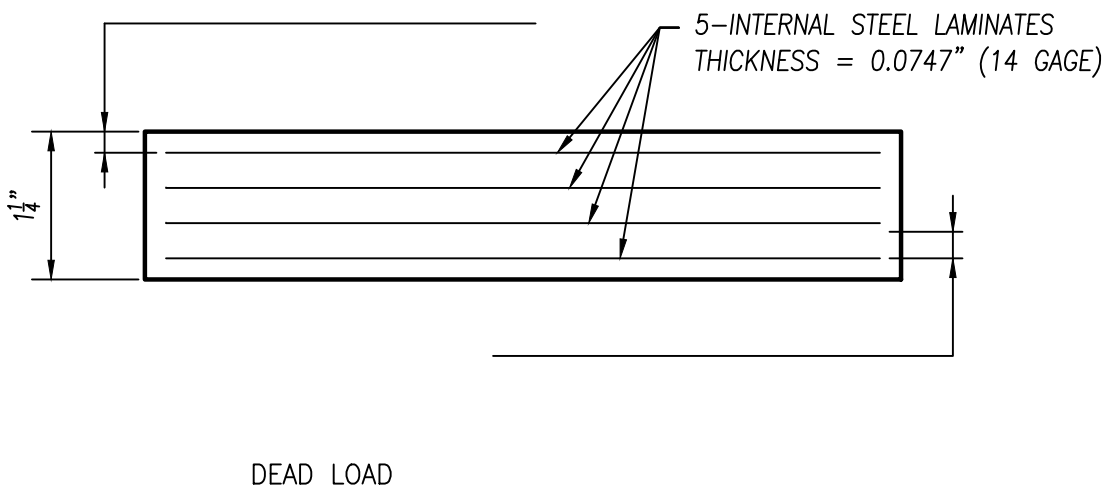


BEARING LOCATION PLAN



BEAM CAMBER AND DECK  
THICKNESS DIAGRAM

| BEAM CAMBER DIMENSIONS |          |          |
|------------------------|----------|----------|
| SPAN                   | DIM. "H" | DIM. "J" |
| 4                      | 1/8"     | 6 1/8"   |
| 5 THRU 17              | 1/2"     | 6 1/2"   |
| 18                     | 1/8"     | 6 1/8"   |



LAMINATED ELASTOMERIC  
BEARING DETAIL  
(50 DUROMETER)



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 TOLEDO, OHIO 43615  
 LUCAS COUNTY

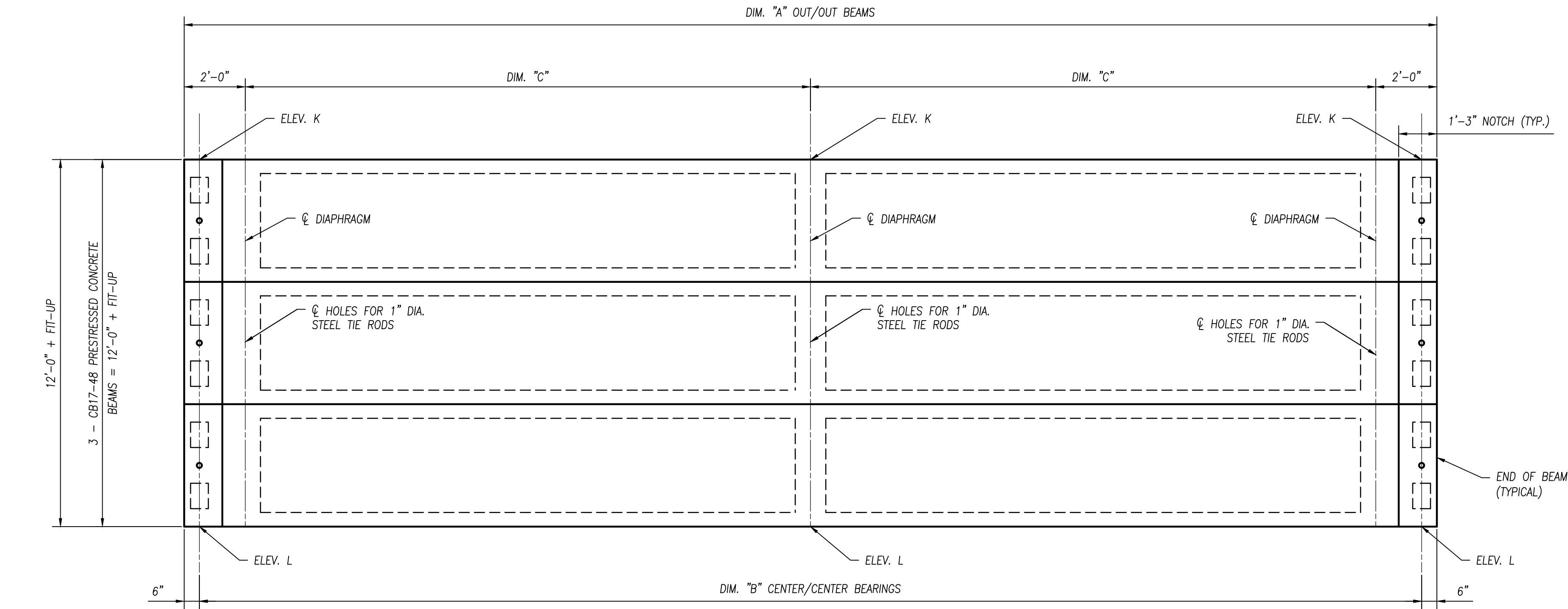
BOARDWALK DETAILS

FILE: 18147 SD-SAM.dwg  
 JOB NO.: 18147  
 DRAWN BY: SAH  
 ISSUED: JUNE 26, 2019

S11

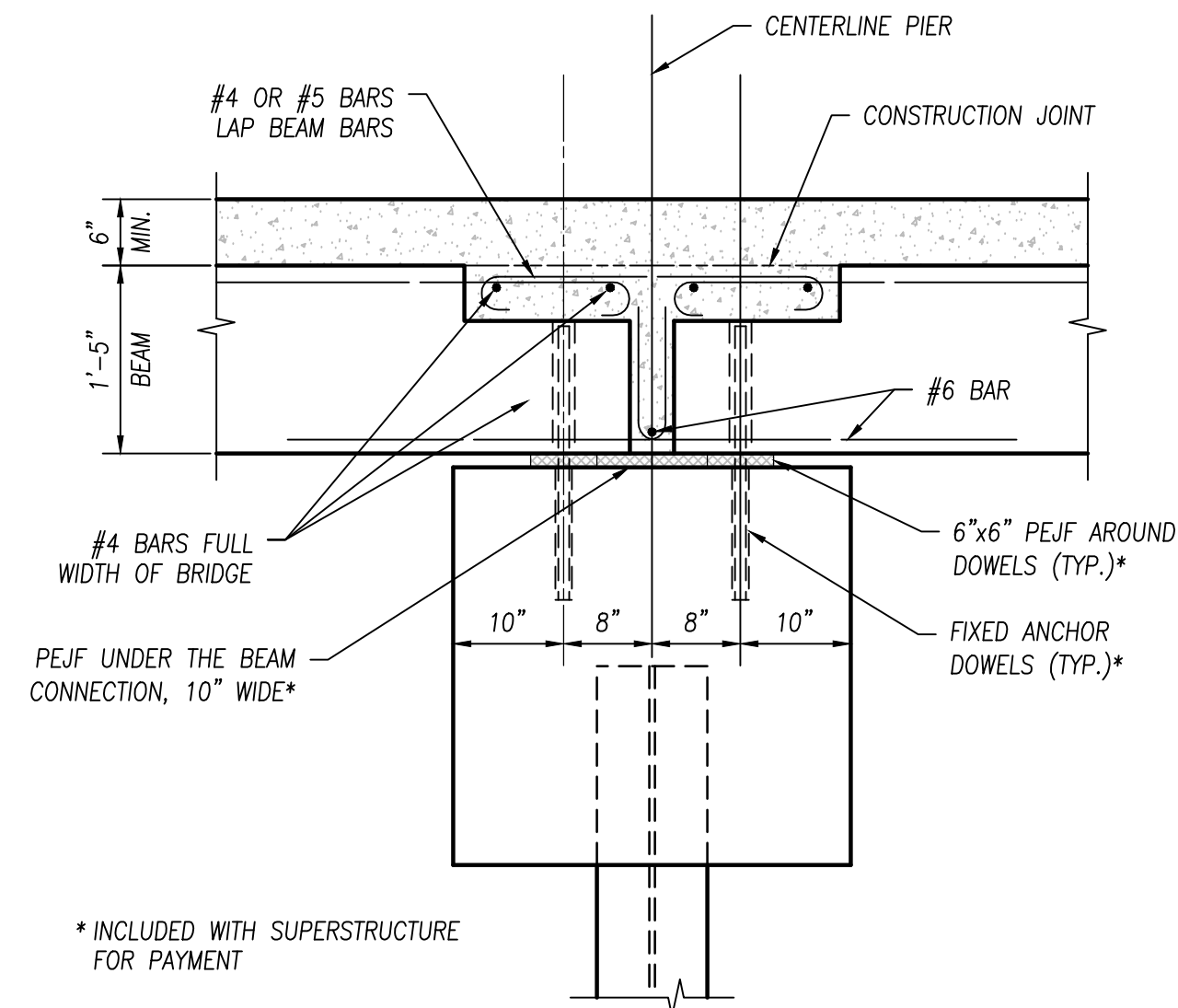
| NO | REVISION      | DATE     |
|----|---------------|----------|
| 9  |               |          |
| 8  |               |          |
| 7  |               |          |
| 6  |               |          |
| 5  |               |          |
| 4  |               |          |
| 3  | STAGE 3 PLANS | 06-26-19 |
| 2  | STAGE 1 PLANS | 02-15-19 |
| 1  |               |          |

PLOTTED: Sep 04, 2019 -- 3:28pm  
 DRAWING: M:\18147 (Metroparks - Swan Creek Connector Trail)\STRUCTURAL\DWG\18147 SD-SAM.dwg: S12 BEAM PLAN-SAM

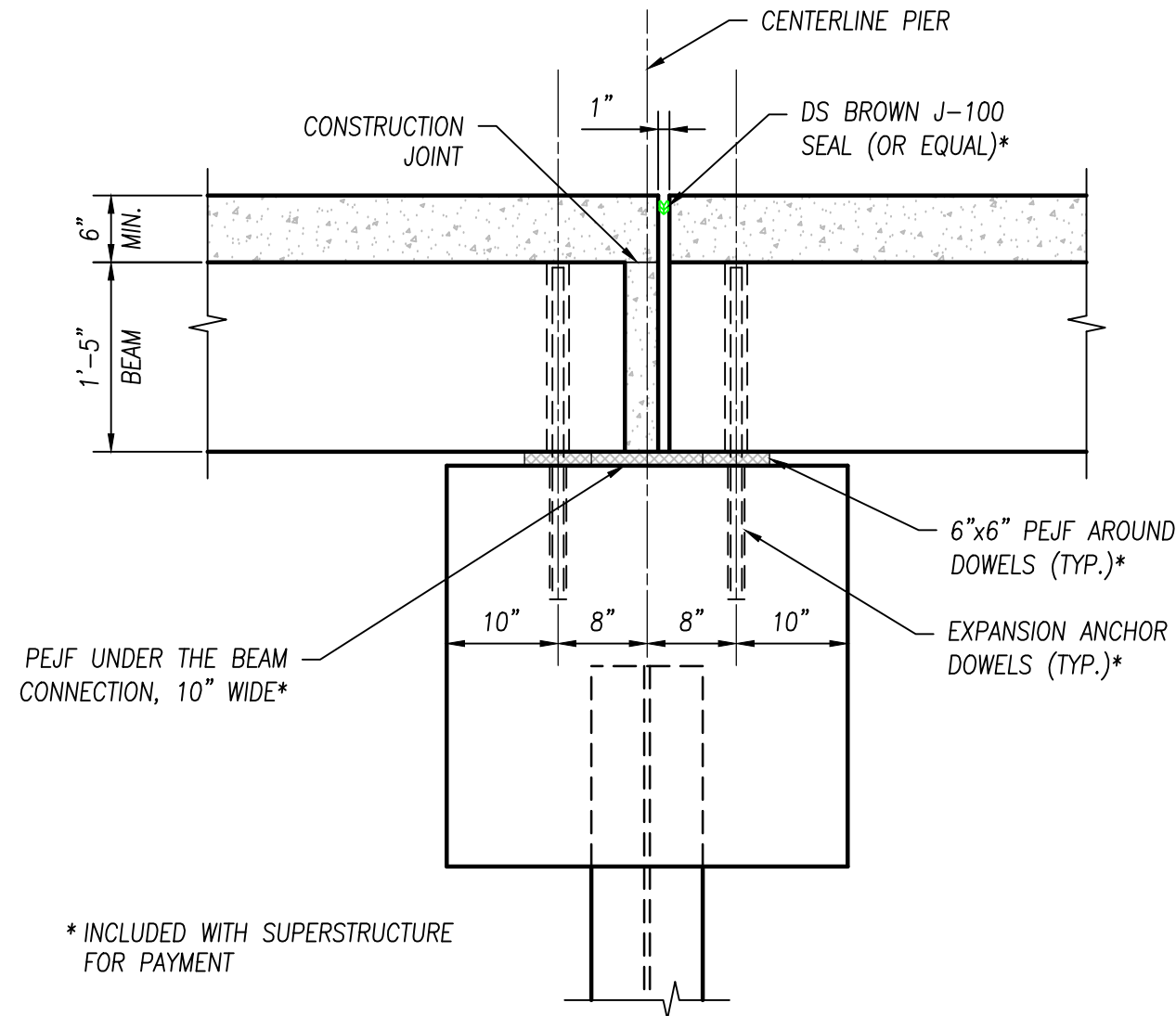


| BEAM PLAN DIMENSIONS |             |             |             |
|----------------------|-------------|-------------|-------------|
| SPAN                 | DIM. "A"    | DIM. "B"    | DIM. "C"    |
| 4                    | 19'-9 3/4"  | 18'-9 3/4"  | 9'-4 5/8"   |
| 5 THRU 17            | 41'-0"      | 40'-0"      | 20'-0"      |
| 18                   | 22'-10 1/2" | 21'-10 1/2" | 10'-11 1/4" |

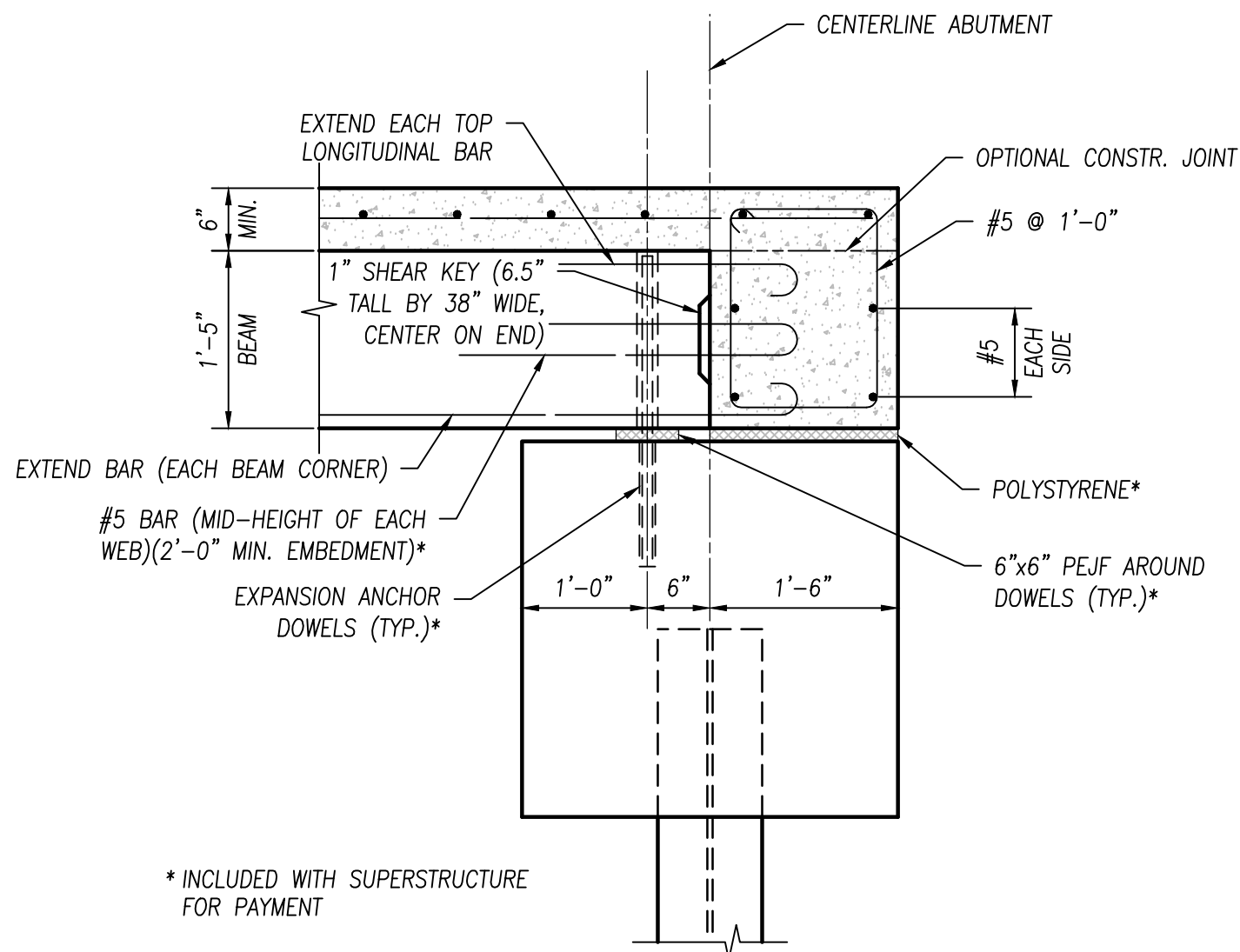
BEAM PLAN  
 (ALL SPANS)



PIER SECTION  
 (FIXED PIERS)



PIER SECTION  
 (EXPANSION PIERS)



ABUTMENT SECTION  
 (EAST ABUTMENT)

| BEAM INFORMATION |              |          |                       |           |                       |           |           |
|------------------|--------------|----------|-----------------------|-----------|-----------------------|-----------|-----------|
| SPAN             | LOCATION     | STATION  | TOP OF SLAB ELEVATION |           | BRIDGE SEAT ELEVATION |           | BEARING   |
|                  |              |          | ELEV. "K"             | ELEV. "L" | ELEV. "K"             | ELEV. "L" |           |
| 4                | REAR BEARING | 75+26.78 | 606.53                | 606.29    | 604.50                | 604.26    | EXPANSION |
| 4                | MID-SPAN     | 75+36.18 | 606.30                | 606.06    |                       |           |           |
| 4                | FWD. BEARING | 75+45.59 | 606.06                | 605.82    | 604.03                | 603.79    | FIXED     |
| 5                | REAR BEARING | 75+47.44 | 606.02                | 605.78    | 603.95                | 603.71    | FIXED     |
| 5                | MID-SPAN     | 75+67.44 | 605.51                | 605.27    |                       |           |           |
| 5                | FWD. BEARING | 75.87.44 | 605.01                | 604.77    | 602.95                | 602.71    | FIXED     |
| 6                | REAR BEARING | 75+89.30 | 604.97                | 604.73    | 602.90                | 602.66    | FIXED     |
| 6                | MID-SPAN     | 76+09.30 | 604.46                | 604.22    |                       |           |           |
| 6                | FWD. BEARING | 76+29.30 | 603.96                | 603.72    | 601.90                | 601.66    | EXPANSION |
| 7                | REAR BEARING | 76+31.16 | 603.93                | 603.69    | 601.87                | 601.63    | EXPANSION |
| 7                | MID-SPAN     | 76+51.16 | 603.73                | 603.49    |                       |           |           |
| 7                | FWD. BEARING | 76+71.16 | 603.53                | 603.29    | 601.47                | 601.23    | FIXED     |
| 8                | REAR BEARING | 76+72.49 | 603.52                | 603.28    | 601.46                | 601.22    | FIXED     |
| 8                | MID-SPAN     | 76+92.49 | 603.32                | 603.08    |                       |           |           |
| 8                | FWD. BEARING | 77.12.49 | 603.12                | 602.88    | 601.06                | 600.82    | FIXED     |
| 9                | REAR BEARING | 77+14.35 | 603.10                | 602.86    | 601.04                | 600.80    | FIXED     |
| 9                | MID-SPAN     | 77+34.35 | 602.90                | 602.66    |                       |           |           |
| 9                | FWD. BEARING | 77+54.35 | 602.70                | 602.46    | 600.64                | 600.40    | EXPANSION |
| 10               | REAR BEARING | 77+56.20 | 602.69                | 602.45    | 600.63                | 600.39    | EXPANSION |
| 10               | MID-SPAN     | 77+76.20 | 602.69                | 602.45    |                       |           |           |
| 10               | FWD. BEARING | 77+96.20 | 602.69                | 602.45    | 600.63                | 600.39    | FIXED     |
| 11               | REAR BEARING | 77+98.06 | 602.69                | 602.45    | 600.63                | 600.39    | FIXED     |
| 11               | MID-SPAN     | 78+18.06 | 602.69                | 602.45    |                       |           |           |
| 11               | FWD. BEARING | 78+38.06 | 602.69                | 602.45    | 600.63                | 600.39    | FIXED     |
| 12               | REAR BEARING | 78+39.91 | 602.69                | 602.45    | 600.63                | 600.39    | FIXED     |
| 12               | MID-SPAN     | 78+59.91 | 602.69                | 602.45    |                       |           |           |
| 12               | FWD. BEARING | 78+79.91 | 602.69                | 602.45    | 600.63                | 600.39    | EXPANSION |
| 13               | REAR BEARING | 78+81.77 | 602.70                | 602.46    | 600.64                | 600.46    | EXPANSION |
| 13               | MID-SPAN     | 79+01.77 | 603.00                | 602.76    |                       |           |           |
| 13               | FWD. BEARING | 79+21.77 | 603.30                | 603.06    | 601.24                | 601.00    | FIXED     |
| 14               | REAR BEARING | 79+23.63 | 603.33                | 603.09    | 601.27                | 601.03    | FIXED     |
| 14               | MID-SPAN     | 79+43.63 | 603.63                | 603.39    |                       |           |           |
| 14               | FWD. BEARING | 79+63.63 | 603.93                | 603.69    | 601.87                | 601.63    | FIXED     |
| 15               | REAR BEARING | 79+64.96 | 603.95                | 603.71    | 601.89                | 601.65    | FIXED     |
| 15               | MID-SPAN     | 79+84.96 | 604.25                | 604.01    |                       |           |           |
| 15               | FWD. BEARING | 80+04.96 | 604.55                | 604.31    | 602.49                | 602.25    | EXPANSION |
| 16               | REAR BEARING | 80+07.34 | 604.61                | 604.37    | 602.54                | 602.30    | EXPANSION |
| 16               | MID-SPAN     | 80+27.34 | 605.20                | 604.96    |                       |           |           |
| 16               | FWD. BEARING | 80+47.34 | 605.80                | 605.56    | 603.74                | 603.50    | FIXED     |
| 17               | REAR BEARING | 80+49.71 | 605.87                | 605.63    | 603.81                | 603.57    | FIXED     |
| 17               | MID-SPAN     | 80+69.71 | 605.47                | 606.23    |                       |           |           |
| 17               | FWD. BEARING | 80+89.71 | 607.07                | 606.83    | 605.01                | 604.77    | FIXED     |
| 18               | REAR BEARING | 80+91.57 | 607.12                | 606.88    | 605.09                | 604.85    | FIXED     |
| 18               | MID-SPAN     | 81+03.01 | 607.47                | 607.23    |                       |           |           |
| 18               | FWD. BEARING | 81+14.45 | 607.81                | 607.57    | 605.78                | 605.54    | EXPANSION |



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BOARDWALK DETAILS

FILE: 18147 SD-SAM.dwg  
 JOB NO.: 18147  
 DRAWN BY: SAH  
 ISSUED: JUNE 26, 2019

S12

**Metroparks Toledo – LUC - Swan Creek Corridor Trail, 4301 Airport Hwy.,  
Toledo, Ohio 43615 – PID 107469**

Bid Opening Friday, July 02, 2021, 12:00 pm Local Time, Fallen Timbers Field Office  
**PLAN-HOLDER'S LIST**

| COMPANY NAME                         | DISCIPLINE                         | PHONE                     | EMAIL                                 | CONTACT NAME        | ADDRESS   |
|--------------------------------------|------------------------------------|---------------------------|---------------------------------------|---------------------|---|
| E.S.Wagner Co                        | General Contractor                 | 419-467-3208              | qlawrence@eswagner.com                | Quinn Lawrence      | 840 Patchen Road,<br>Oregon, OH 43616                   |
| Mosser Construction, Inc.            | General Contractor                 | 419-861-5100              | mahten@mossergrp.com                  | Michael A. Ahten    | 1613 Henthorne Dr,<br>Maumee, OH 43537                  |
| Anderzsch Pitzten Construction, Inc. | General Contractor                 | 419-644-2111              | marynicholas@wecandigit.com           | Mary Nicholas       | 424 E Main St,<br>Metamora, OH 43540                    |
| The Delventhal Company               | General Contractor                 | 419-244-5570              | cathy@thedelventhalco.com             | Cathy Permar        | 3796 Rockland Circle,<br>Millbury, OH 43447             |
| George Gradel Co,                    | Sitework                           | 419-691-7123              | estimating@geogradelco.com            | Frederick Sander    | 3135 Front St., Toledo,<br>OH 43605                     |
| Miller Bros. Const., Inc.            | General Contractor                 | 419-445-1015              | austinyhylander@mbcholdings.com       | Austin Hylander     | 1613 S Defiance St,<br>PO Box 30, Archbold,<br>OH 43502 |
| AA Boos & Sons                       | General Contractor                 | 419-691-2329              | staciewilburn@aaboos.com              | Stacie Wilburn      | 2015 Pickle Rd,<br>Oregon, OH 43616                     |
| Rudolph Libbe, Inc.                  | General Contractor                 | 419-725-3284              | mdean@rlcos.com                       | Michelle Dean       | 6494 Latcha Road<br>Walbridge, OH 43465-9738            |
| Kokosing Construction Co. Inc.       | General Contractor                 | 614-228-1029 419-565-5858 | mck2@kokosing.biz                     | M. Cody Kerr        | 6235 Westerville Rd.,<br>Westerville, OH 43081          |
| Geddis Paving & Excavating, Inc.     | Paving & Excavating                | 419-536-8501              | pmunson@geddispaving.com              | Petra Munson        | 1019 Wamba Ave.<br>Toledo, OH 43607                     |
| Vernon Nagel, Inc.                   | General Contractor                 | 419-592-3861              | estimates@nagelinc.com                | Marc Nagel          | 0154 County Rd. 11C<br>Napoleon, OH 43545               |
| The Spieker Co.                      | General Contractor                 | 419-872-7000              | santanna@office.spiekercompany.com    | Aaron White         | 2541 Tracy Rd.<br>Northwood, OH 43619                   |
| Rietschlin Construction Inc          | General Contractor                 | 419-347-4241              | meg@rietsclinconstructionoh.com       | Margaret Rietschlin | 4240 Baker Rd<br>Crestline, OH 44827                    |
| B&J Concrete & Construction Co       | General Contractor                 | 419-966-7907              | kevin.bjconcrete@sbcglobal.net        | Kevin McCulley      | 5840 Secor Rd<br>Toledo, OH 43623                       |
| Expercon, LLC                        | General Contractor                 | 419-214-4343              | rb2@expercon.biz                      | Rob Bischoff        | 1 Maritime Plaza,<br>Toledo, OH 43604                   |
| Miller Diversified                   | General Contractor                 | 419-867-9119              | npearson@millerdiversified.com        | Nate Pearson        | 1656 Henthorne Drive,<br>Suite 100 Maumee,<br>OH 43537  |
| TrueNorth Steel - Bridge             | Drainage & Modular Bridge Supplier | 605-870-0627              | Kaiti.LaVoy@TrueNorthSteel.com        | Kaiti Lavoy         | 702 13th Ave. E<br>West Fargo, ND 58078                 |
| American Timber and Steel            | Steel & Timber Material Supplier   | 419-668-1610              | jacqui@amtim.com                      | Jacqui Gross        | 4832 Plank Road PO<br>Box 767 Norwalk, OH 44857         |
| Norwalk Concrete Industries          | Precast Manufacturer               | 800.733.3624              | chip@nciprecast.com                   | Chip Brown          | 80 Commerce Drive<br>Norwalk, OH 44857                  |
| Art Thureson, Inc.                   | Bridge Manufacturer                | 248-623-8599              | jon@arthuresoninc.com                 | Jon Cheney          | 510 Highland Ave,<br>Suite 205<br>Milford, MI 48381     |
| RG Zachrich Construction Inc         | General Contractor                 | 419-782-7846              | stevejr@zachrichconstruction.com      | Steve Zachrich      | 10105 Haller St<br>Defiance, OH 43512                   |
| Great Lakes Demolition Co            | General Contractor                 | 567-201-6163              | shawn.zieber@greatlakesdemolition.com | Shawn Zieber        | 1787 N SR 510<br>Vickery, OH 43464                      |