



ADDENDUM NUMBER ONE – JUNE 15, 2021

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 #1 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: *Please provide connection details for the pier bracing. General notes on sheet S2 reference both bolted and welded connections. No details are shown on sheet S9.*

Response: Sheets S2 & S9 have been revised to show additional details.

Item No. 2: CLARIFICATION

Question: *Please provide the post spacing for the 6x8 vertical posts on the boardwalk. This is needed for quantifying posts as well as the embeds by the precaster.*

Response: A maximum post spacing of 7' has been called out on Sheet S11.

Item No. 3: CLARIFICATION

Question: *Please provide the spacing of the railing on the boardwalk. We cannot quantify the stainless steel mesh infill panels without a dimension.*

Response: Additional railing details have been detailed on Sheet S11.

Item No. 4: CLARIFICATION

Question: *Is there a specification for the fasteners for the wood railing and posts? Screws, bolts, washers, etc. Are they stainless or galvanized?*

Response: Additional railing details have been detailed on Sheet S11.



ADDENDUM NUMBER ONE – CONTINUED – JUNE 15, 2021

Item No. 5: CLARIFICATION

Question: *There are no connection details for the posts or railings. We need the bolts, screws, etc. sized and quantified.*

Response: Additional railing details have been detailed on Sheet S11.

Item No. 6: INFORMATIONAL

The current project Plan-Holder List is attached herein.

Item No. 7: 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 Plan Sheet S2
- Revised Plan Sheet S9
- Revised Plan Sheet S11
- Current Plan-Holder's List

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

END OF ADDENDUM NUMBER ONE, JUNE 15, 2021

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

ALL MATERIAL AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION (ODOT) DATED JANUARY 1, 2016. ALL WORK SHALL BE IN COMPLIANCE WITH ALL APPLICABLE FEDERAL AND STATE STANDARDS AND REGULATIONS.

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC AND ARE APPROXIMATE LOCATIONS. EXACT LOCATIONS OF ACTIVE UTILITIES TO REMAIN IN SERVICE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE METROPARKS AND PREFABRICATED MANUFACTURERS IF ANY UTILITIES ARE TO BE CARRIED ON THE PREFABRICATED SUPERSTRUCTURE.

CONSTRUCTION STAKING

RESTORATION

SEDIMENT AND EROSION CONTROL

1. CONTRACTOR SHALL CONFORM WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND ALL PLANS AND SPECIFICATIONS REGARDING SOIL EROSION/SEDIMENTATION CONTROL REQUIREMENTS.
2. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT OPERATIONS WHICH PROMOTE EROSION.
3. SOLID, SANITARY AND TOXIC WASTE MUST BE DISPOSED OF IN A PROPER MANNER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. IT IS PROHIBITED TO BURN, BURY OR POUR INTO THE GROUND OR INTO STORM SEWERS ANY SOLVENTS, PAINTS, STAINS, GASOLINE, DIESEL FUEL, USED MOTOR OIL, HYDRAULIC FUEL, ANTI-FREEZE, CEMENT CURING COMPOUNDS, AND OTHER SUCH TOXIC OR HAZARDOUS WASTES.
4. DUMPING OR DISCHARGE OF ANY WASTE MATERIALS TO ANY STORM OR SANITARY SEWERS IS PROHIBITED.
5. HAZARDOUS WASTES ARE TO BE REMOVED OFF SITE AND PROPERLY DISPOSED OF CONSISTENT ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
6. ALL CATCH BASINS AND INLETS NEAR DISTURBED AREAS SHALL HAVE TEMPORARY INLET PROTECTION SEDIMENT BARRIERS PLACED AND MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SEDIMENT FROM ENTERING THE DRAINAGE SYSTEMS WHETHER SHOWN IN THE DRAWINGS OR NOT.

ALL WORK SHALL BE COMPLETED NO LATER THAN SEPTEMBER 30, 2020.

1. CONSTRUCT DEEP PILE ABUTMENT FOUNDATIONS AND REINFORCED CONCRETE ABUTMENTS AND PIERS PER PLAN DETAILS.
2. INSTALL AND ANCHOR NEW TWO SPAN, PRE-FABRICATED, GALVANIZED STEEL SUPERSTRUCTURE WITH A CONCRETE DECK.
3. CONSTRUCT A LOOKOUT AREA AND BOARDWALK COMPRISED OF PRESTRESSED CONCRETE BOX BEAMS WITH A CONCRETE DECK ON PIERS.
4. INSTALL TIMBER RAILING THROUGHOUT BRIDGE AND BOARDWALK LIMITS.
5. COMPLETE TIE-IN WORK TO BYRNE ROAD AND GENERAL EMBANKMENT GRADING.

THIS STRUCTURE CONFORMS TO "LRFD BRIDGE DESIGN SPECIFICATIONS FOR HIGHWAY BRIDGES" AND "LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2007, INCLUDING THE 2008 INTERIM SPECIFICATIONS AND THE ODOT BRIDGE DESIGN MANUAL, 2007.

PRESTRESSING STRAND:
 AREA = 0.167 IN^2
 ULTIMATE STRENGTH = 270 KSI
 INITIAL STRESS = 202.5 KSI (LOW-RELAXATION STRANDS)

1. ALL REINFORCING STEEL SHALL BE EPOXY COATED.
2. CLEARANCE BETWEEN REINFORCING AND CONCRETE SURFACES:
 - 2.1. UNFORMED 3"
 - 2.2. FORMED AND EXPOSED TO EARTH AND WEATHER - 2"
3. ALL EXPOSED CORNERS SHALL RECEIVE A 3/4" CHAMFER UNLESS NOTED OTHERWISE.
4. PRIOR TO PLACING CONCRETE, COORDINATE WITH ALL OTHER TRADES, SUCH AS ELECTRICAL, THE INSTALLATION OF ALL ANCHOR BOLTS, CONDUITS; ETC.
5. IN HOT WEATHER (GREATER THAN 90°F) COOL THE INGREDIENTS PRIOR TO MIXING AND MAINTAIN TEMPERATURE BELOW 90°F DURING PLACEMENT AND CURING.
6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, INTERFERENCE AND CONDITIONS PRIOR TO CONCRETE POUR AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
7. THE BRIDGE DECK SHALL BE SEALED WITH EUCO-GUARD VOX BY THE EUCLID CHEMICAL COMPANY.
8. INCLUDE ALL REINFORCING STEEL AS SHOWN IN THE PLANS WITH THE COST OF CONCRETE FOR PAYMENT.

PIER 2 AND 3 PILES
- HP12x53 STEEL PILES, SEE SHEET S9 FOR ORDER LENGTHS
- 1 DYNAMIC LOAD TESTING ITEM

1. ROLLED H-PILE SHALL BE ASTM A572 GRADE-50.
2. ROLLED ANGLES AND PLATES SHALL BE ASTM A36 OR HIGHER GRADE.
3. STRUCTURAL STEEL HAS BEEN DESIGNED IN ACCORDANCE WITH LOAD AND RESISTANCE (LRFD) DESIGN PROCEDURES AS REQUIRED BY "AISC MANUAL OF STEEL CONSTRUCTION", AND WITH CONSIDERATIONS FROM AASHTO LRFD.
4. ALL PROJECT CORNERS, EXPOSED EDGES, BURRS AND SHARP CORNERS SHALL BE GROUNDED SMOOTH.
5. PIER BRACING CONNECTION DESIGN:
 - 5.1. BRACING CONNECTION PLATES SHALL HAVE A MINIMUM THICKNESS OF $\frac{3}{8}$ ".
 - 5.2. THESE PLANS INCLUDE TYPICAL ANTICIPATED CONNECTION DETAILS FOR LATERAL BRACING AT PIERS 1, 2, & 3. IT IS EXPECTED THAT THE STEEL FABRICATOR WILL VERIFY AND SIZE CONNECTIONS BASED ON THE FOLLOWING MINIMUM DESIGN LOADS:

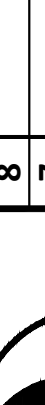
MINIMUM OF:
 - 1) MAXIMUM AXIAL TENSILE CAPACITY OF DIAGONAL BRACE
 - 2) 70 KIPS FACTORED AXIAL LOAD
 - 5.3. CONTRACTOR DEVIATIONS FROM CONNECTION DESIGNS SHOWN ON THE CONTRACT DOCUMENTS MAY BE ACCEPTED IF THE CONTRACTOR PROVIDES COMPLETE STRUCTURAL CALCULATIONS FOR APPROVAL. THE CALCULATIONS SHALL BE SEALED BY A PROFESSIONAL ENGINEER IN THE STATE OF OHIO.
 - 5.4. BOLTED CONNECTIONS:
 - 5.4.1. MINIMUM BOLT DIAMETER IS $\frac{3}{4}$ " UNLESS NOTED OTHERWISE.
 - 5.4.2. ALL BOLTS SHALL BE A325X UNLESS OTHERWISE NOTED.
 - 5.4.3. ALL NUTS SHALL BE A563 GRADE C, C3, D OR DH.
 - 5.4.4. ALL WASHERS SHALL BE F436-1.
 - 5.4.5. TWO WASHER MINIMUM PER CONNECTED MEMBER U.N.O.
 - 5.4.6. TWO BOLT MINIMUM PER CONNECTED MEMBER U.N.O.
 - 5.4.7. ALL CONNECTION HARDWARE TO BE HOT DIP GALVANIZED.
 - 5.4.8. BOLTED CONNECTIONS SHALL BE CONSIDERED IN THE SNUG TIGHT CONDITION UNLESS OTHERWISE NOTED. SNUG TIGHT CONDITION IS DEFINED AS THE TIGHTNESS THAT EXISTS WHEN ALL PLIES IN A JOINT ARE IN FIRM CONTACT. THIS MAY BE ACHIEVED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH.

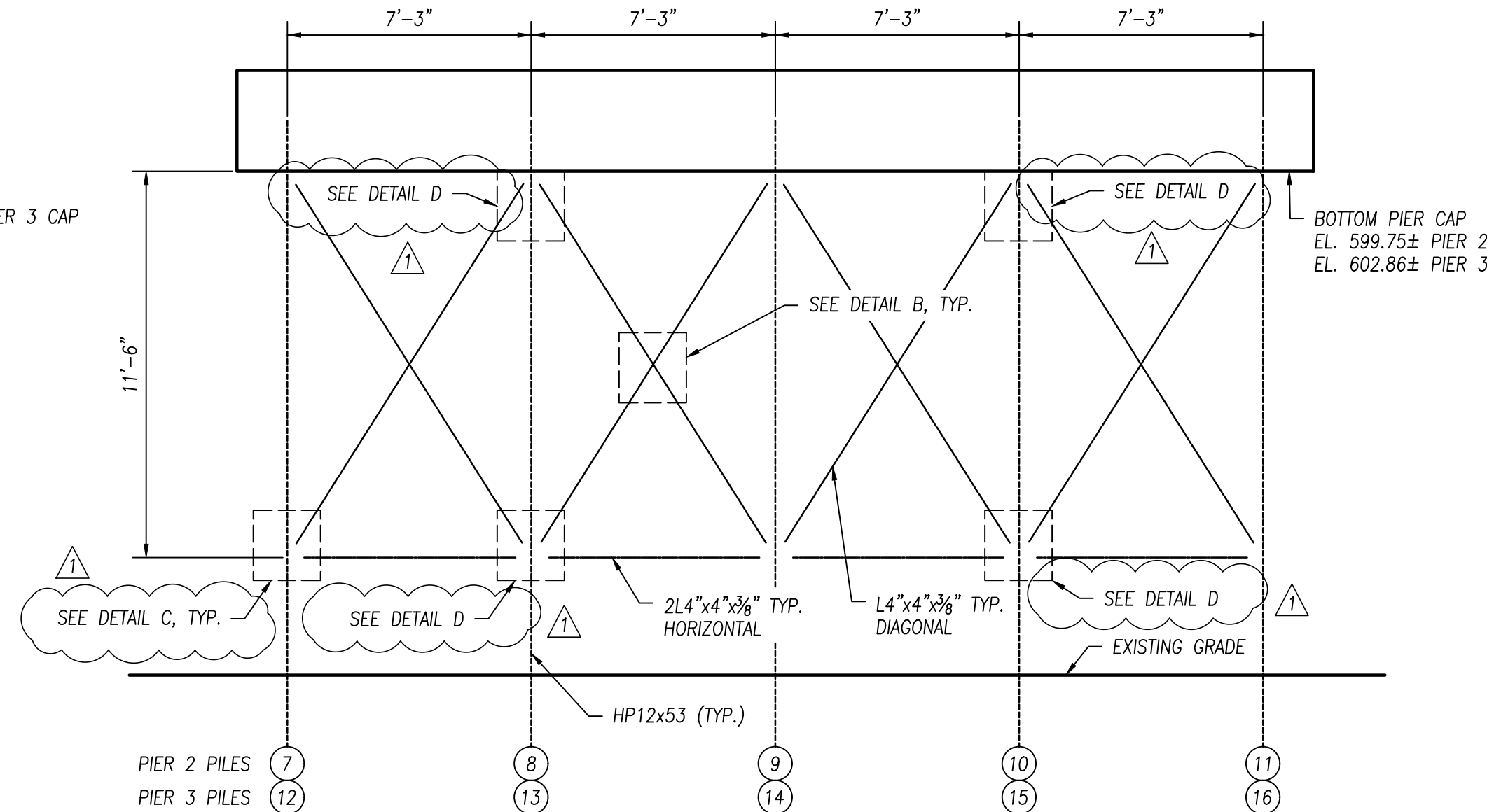
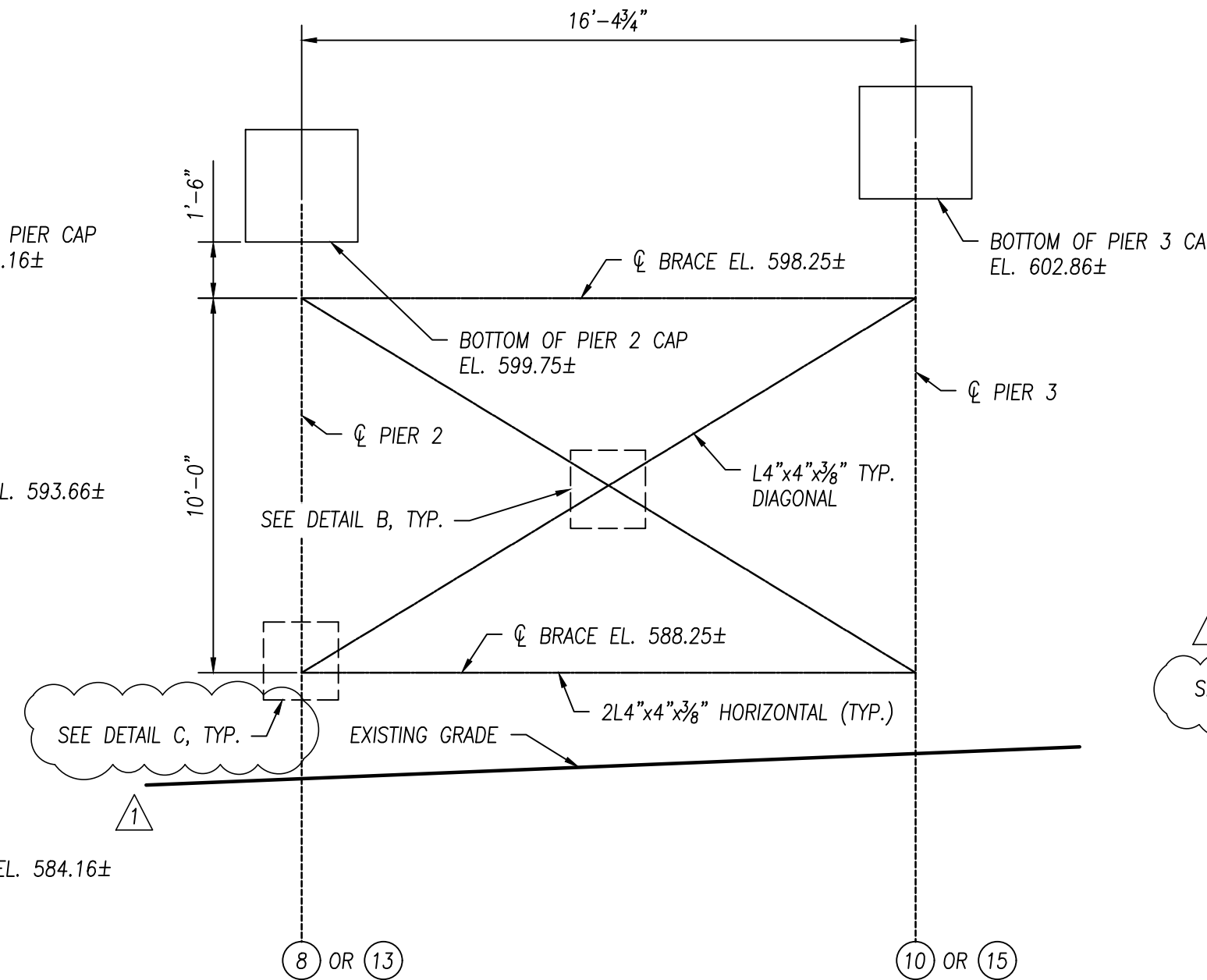
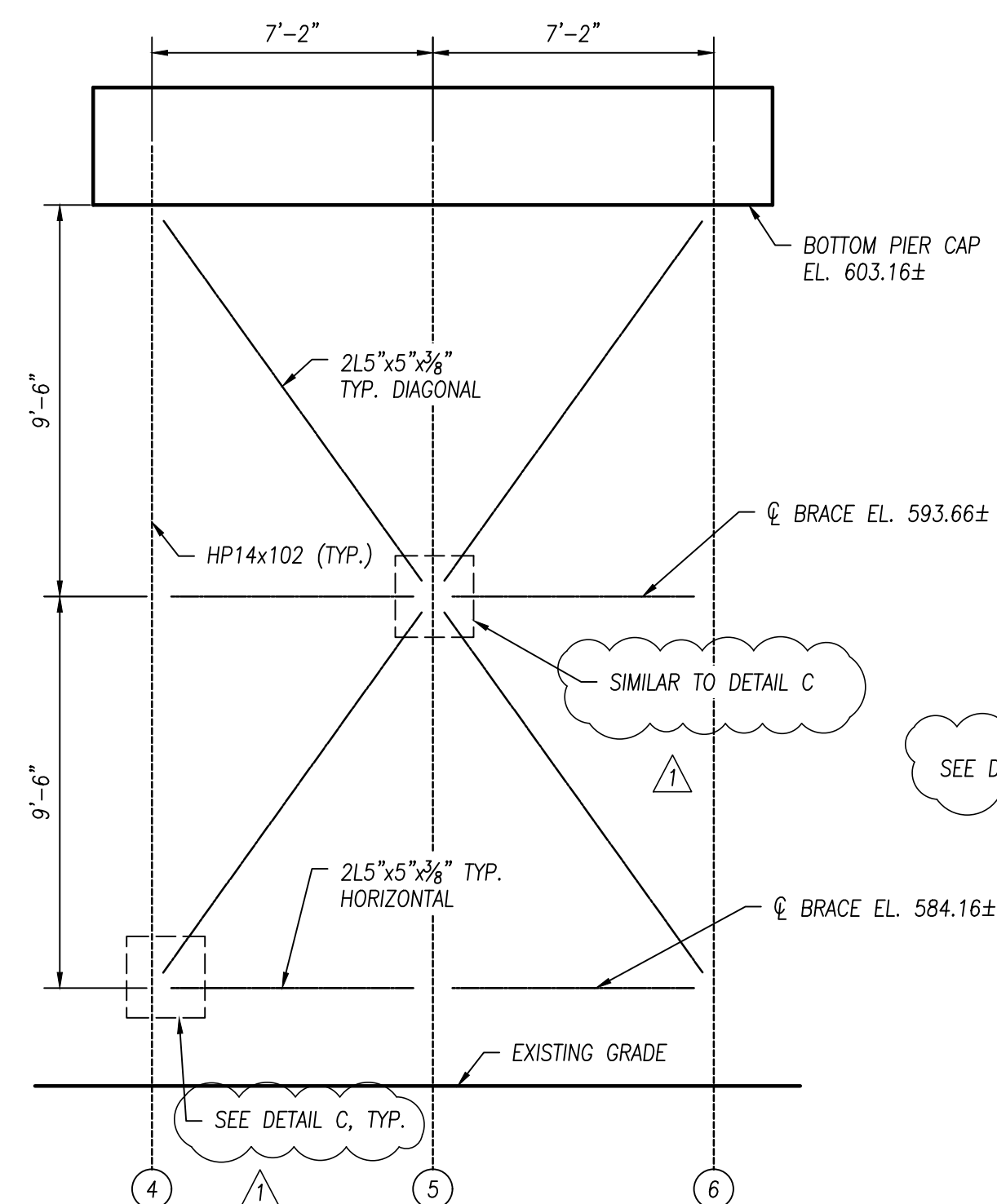
- ## EXISTING SITE VERIFICATION

IN-STREAM WORK RESTRICTION

DO NOT WORK BELOW THE ORDINARY HIGH WATER MARK OF SWAN CREEK, OR
INSTALL, MODIFY, OR REMOVE ANY EXISTING INSTREAM FILLS DURING THE ODNR
INSTREAM WORK RESTRICTION PERIOD OF APRIL 15 TO JUNE 30.

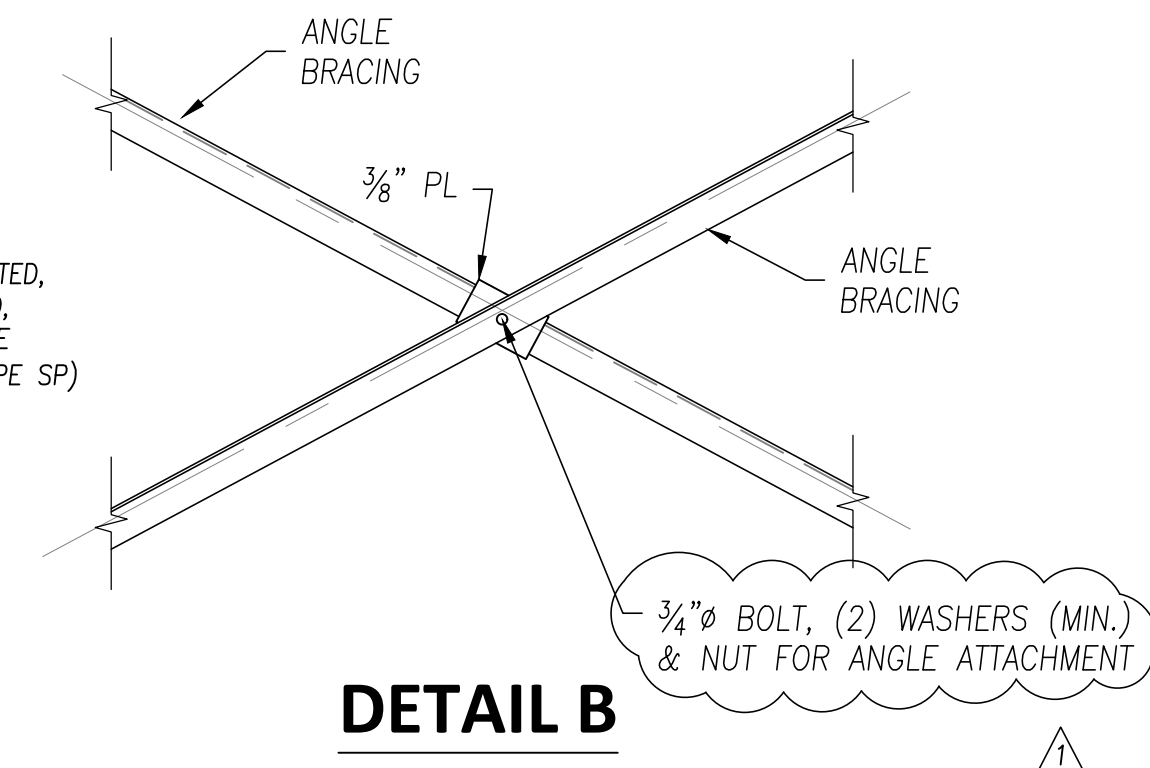
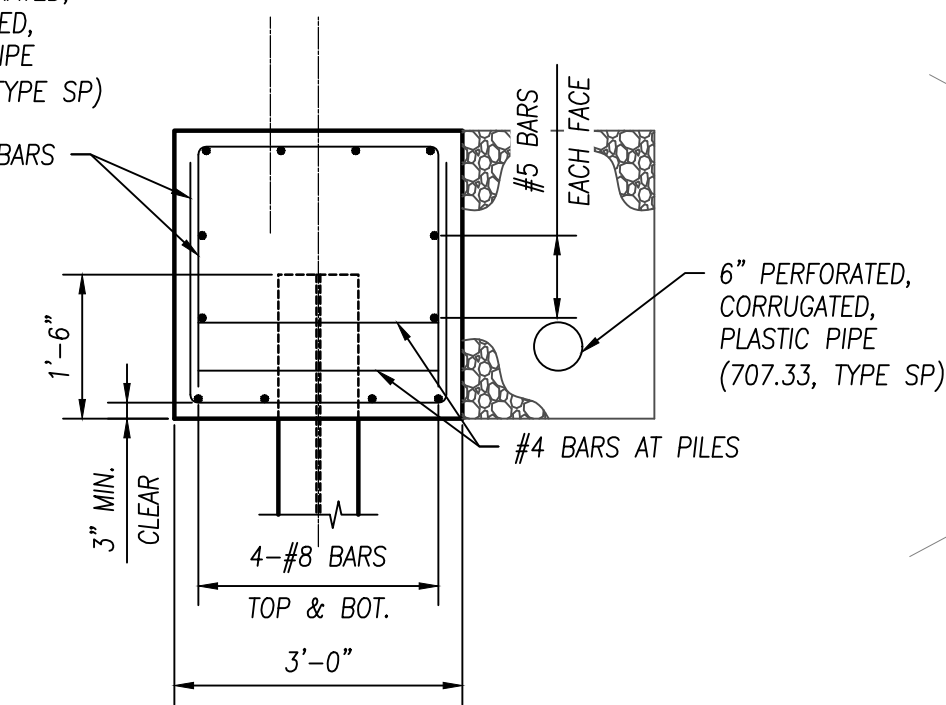
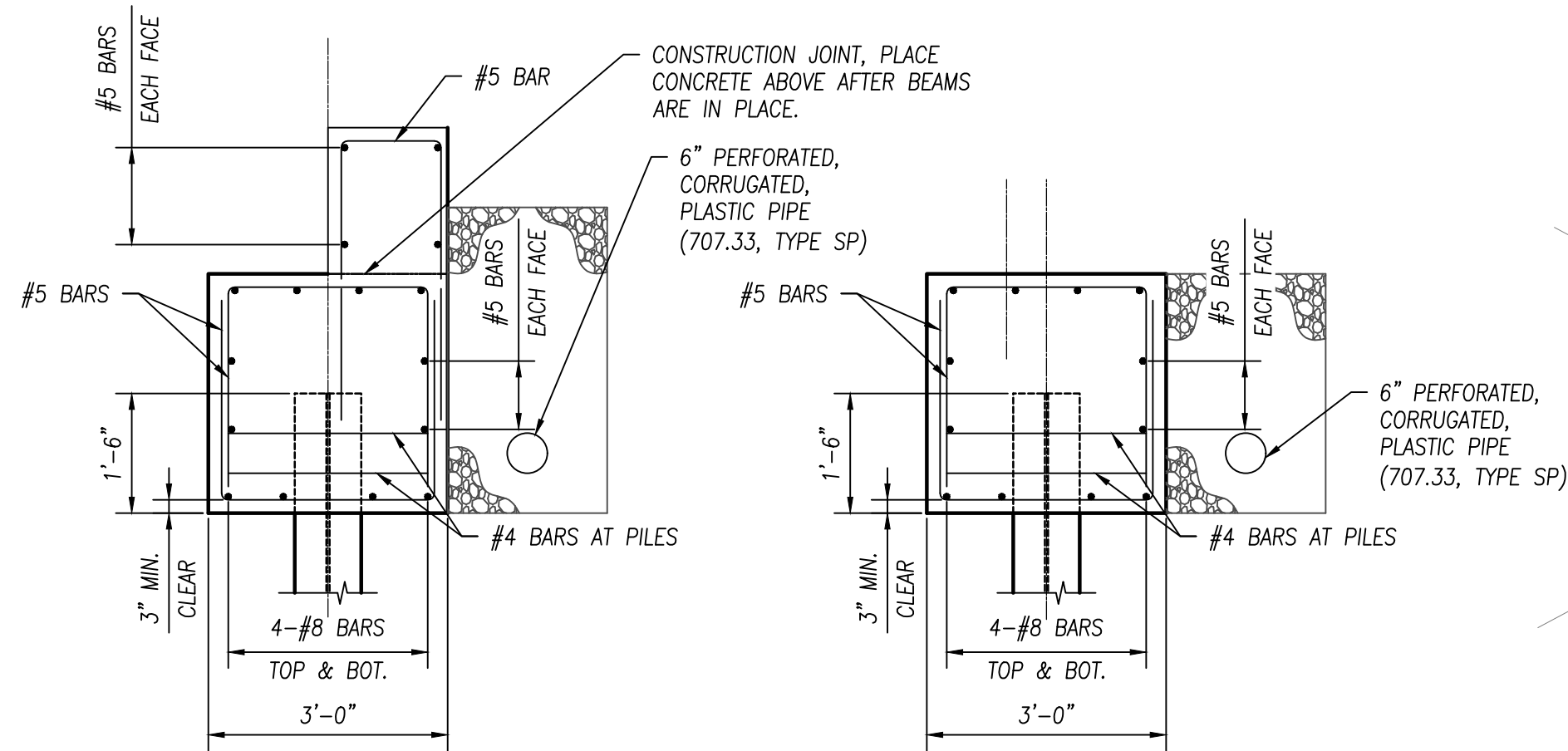
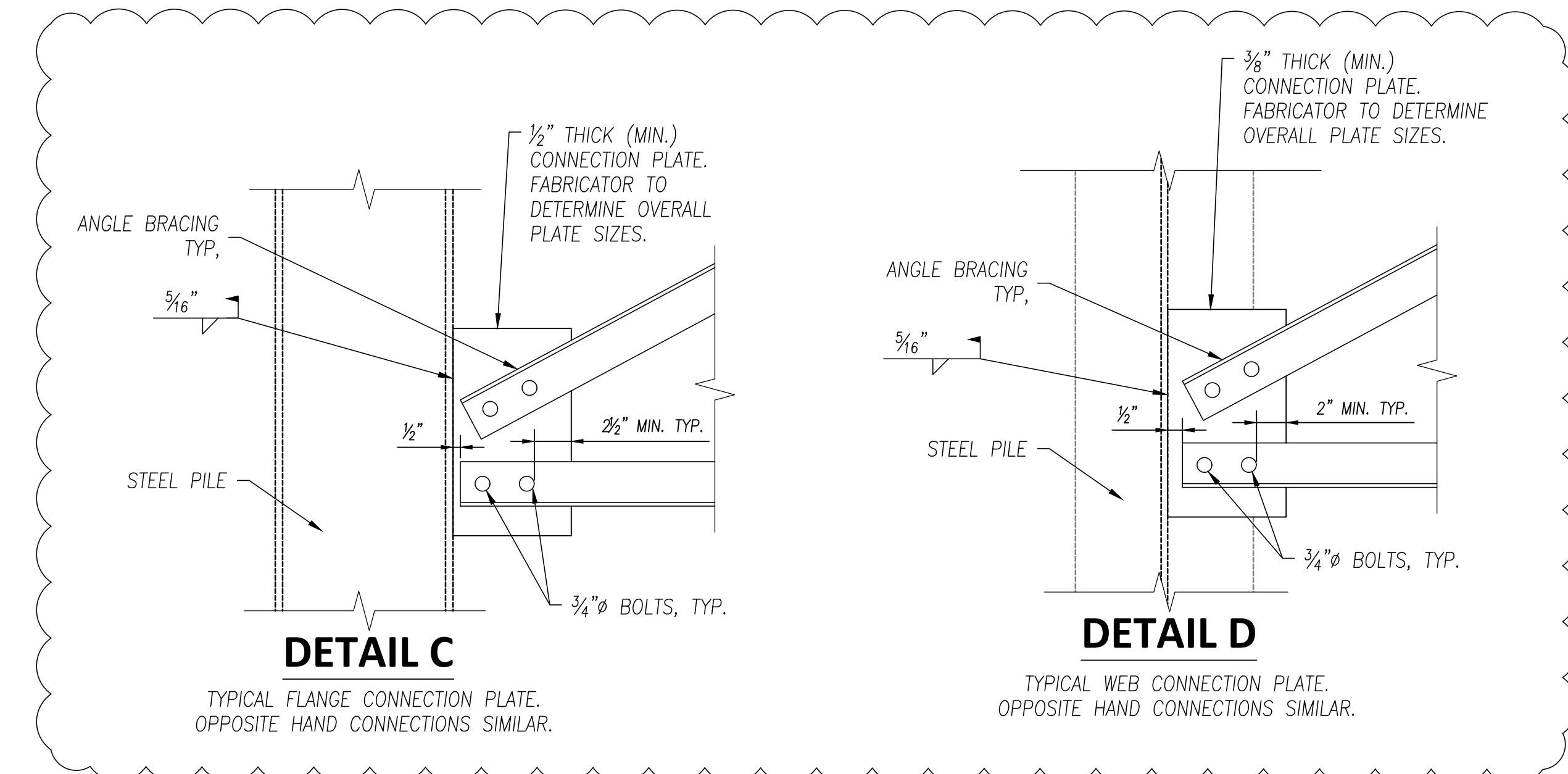
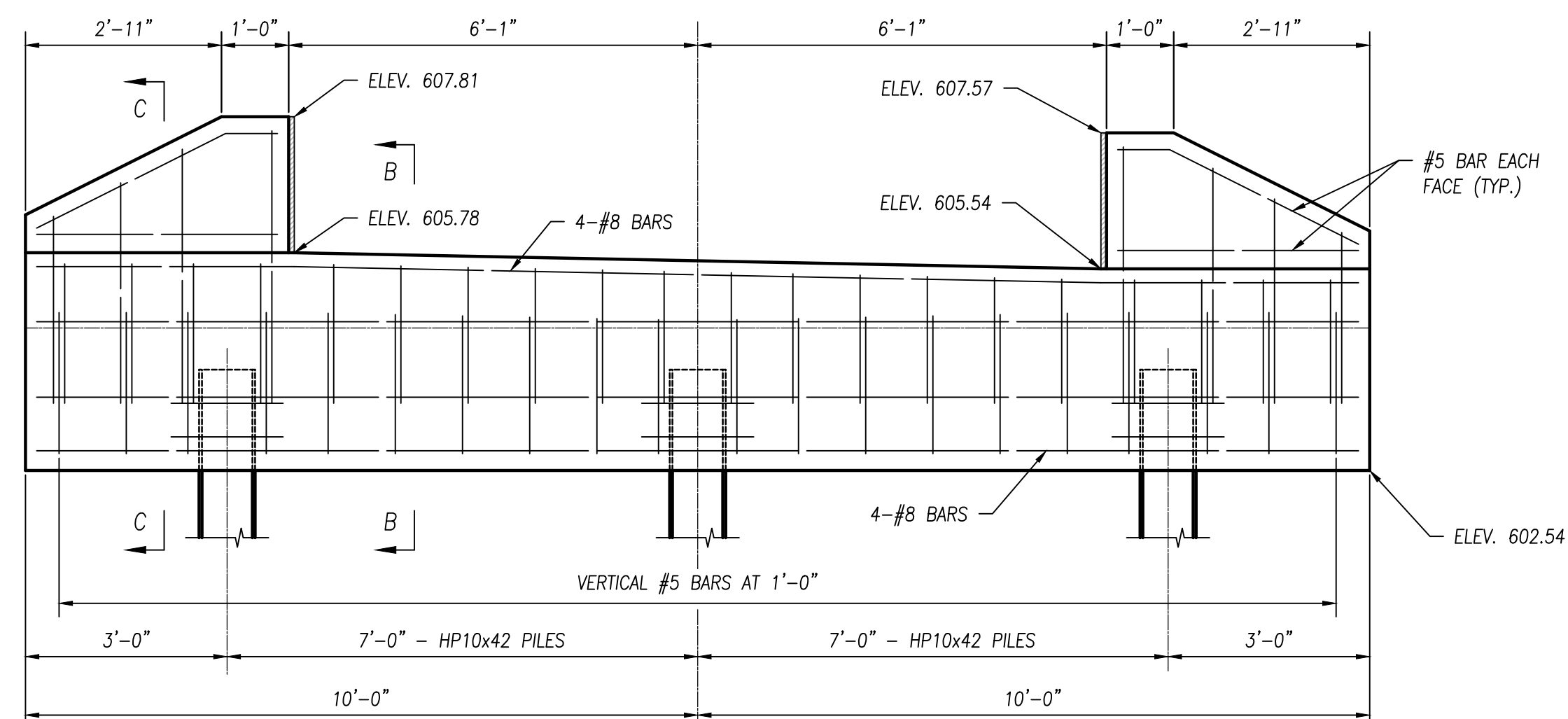
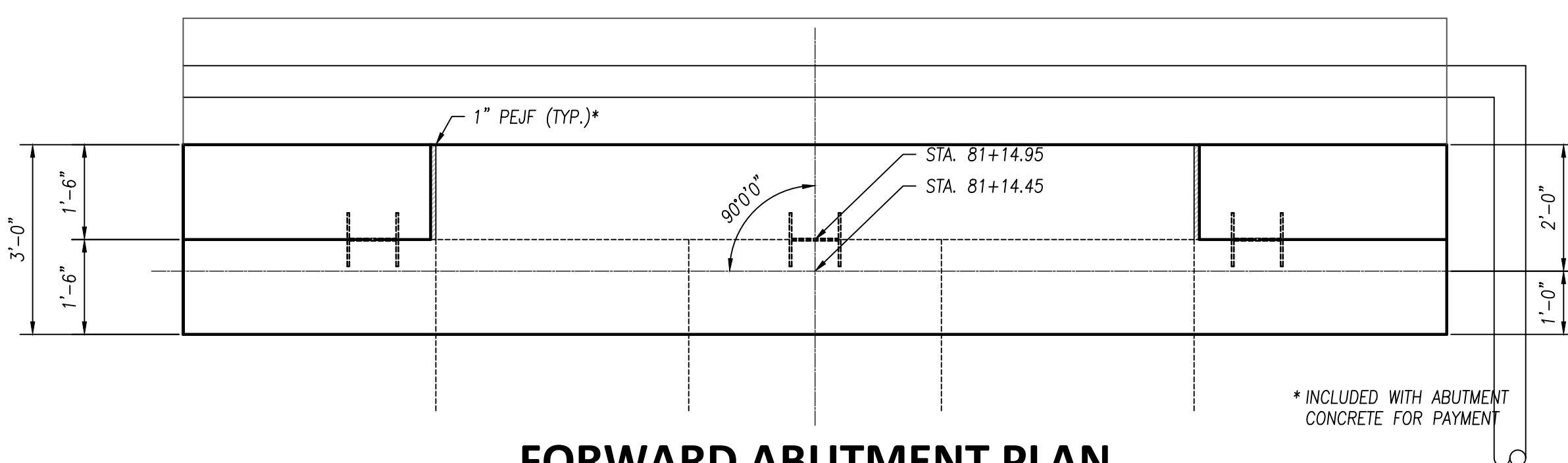
ESTIMATED QUANTITIES			
ITEM	QUANTITY	UNIT	DESCRIPTION
503		LUMP	COFFERDAMS AND EXCAVATION BRACING
505		LUMP	PILE DRIVING EQUIPMENT MOBILIZATION
507	2235	FT.	STEEL PILES HP10x42, FURNISHED
507	1975	FT.	STEEL PILES HP10x42, DRIVEN
507	270	FT.	STEEL PILES HP12x53, FURNISHED
507	240	FT.	STEEL PILES HP12x53, DRIVEN
507	240	FT.	STEEL PILES HP14x102, FURNISHED
507	225	FT.	STEEL PILES HP14x102, DRIVEN
511	188	CU. YD.	CLASS QC2 CONCRETE, SUPERSTRUCTURE, AS PER PLAN
511	102	CU. YD.	CLASS QC1 CONCRETE, PIER CAP, AS PER PLAN
511	38	CU. YD.	CLASS QC1 CONCRETE, ABUTMENT INCLUDING FOOTING, AS PER PLAN
513	9900	POUNDS	STRUCTURAL STEEL MEMBERS, PILE BRACING
513		LUMP	PREFABRICATED STEEL TRUSS, FURNISHED
513		LUMP	PREFABRICATED STEEL TRUSS, ERECTED
515	8	EACH	PRESTRESSED CONCRETE COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, CB12-48
515	45	EACH	PRESTRESSED CONCRETE COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, CB17-48
516	212	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES (NEOPRENE), AS PER PLAN (7"x4"x1.25")
517	1254	FT.	RAILINGS, AS PER PLAN
518	28	CU. YD.	POROUS BACKFILL WITH GEOTEXTILE FABRIC
518	55	FT.	6" PERFORATED CORRUGATED PLASTIC PIPE
518	20	FT.	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN
523	3	EACH	DYNAMIC LOAD TESTING

METROPARKS TOLEDO SWAN CREEK CONNECTOR TRAIL 4301 AIRPORT HWY TOLEDO, OHIO 43615 LUCAS COUNTY		 DGL CONSULTING ENGINEERS, LLC 3455 BRIARFIELD BLVD, SUITE E MAUMEE, OH 43537 PHONE: 419.535.1015 www.dgl-lltd.com		GENERAL NOTES (1 OF 2)	
FILE: 18147 GN.dwg JOB NO.: 18147 DRAWN BY: X ISSUED: FEB 27, 2020		<div style="text-align: center; font-size: 2em; font-weight: bold;">S2</div>			

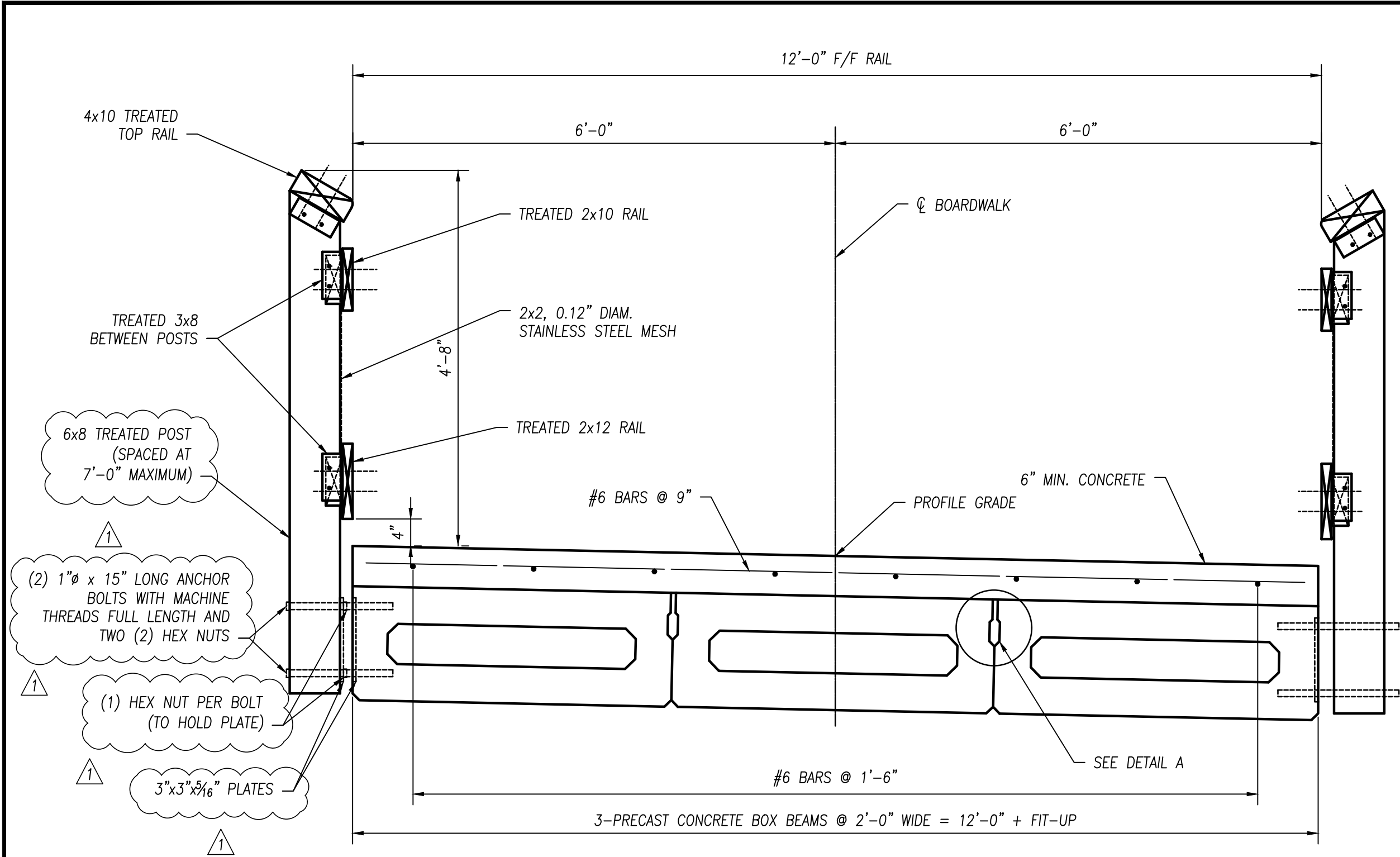


PILE LENGTH TABLE			
LOCATION	TOP OF PILE ELEVATION	ESTIMATED PILE LENGTH (FT.)	PILE ORDER LENGTH (FT.)
REAR ABUT.	608.36	25	30
PIER 1	605.16	75 (*)	80 (*)
PIER 2	601.75	40	45
PIER 3	603.86	40	45
PIER 4	603.50	40	45
PIER 5	602.95	40	45
PIER 6	601.90	40	45
PIER 7	600.87	40	45
PIER 8	600.46	40	45
PIER 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

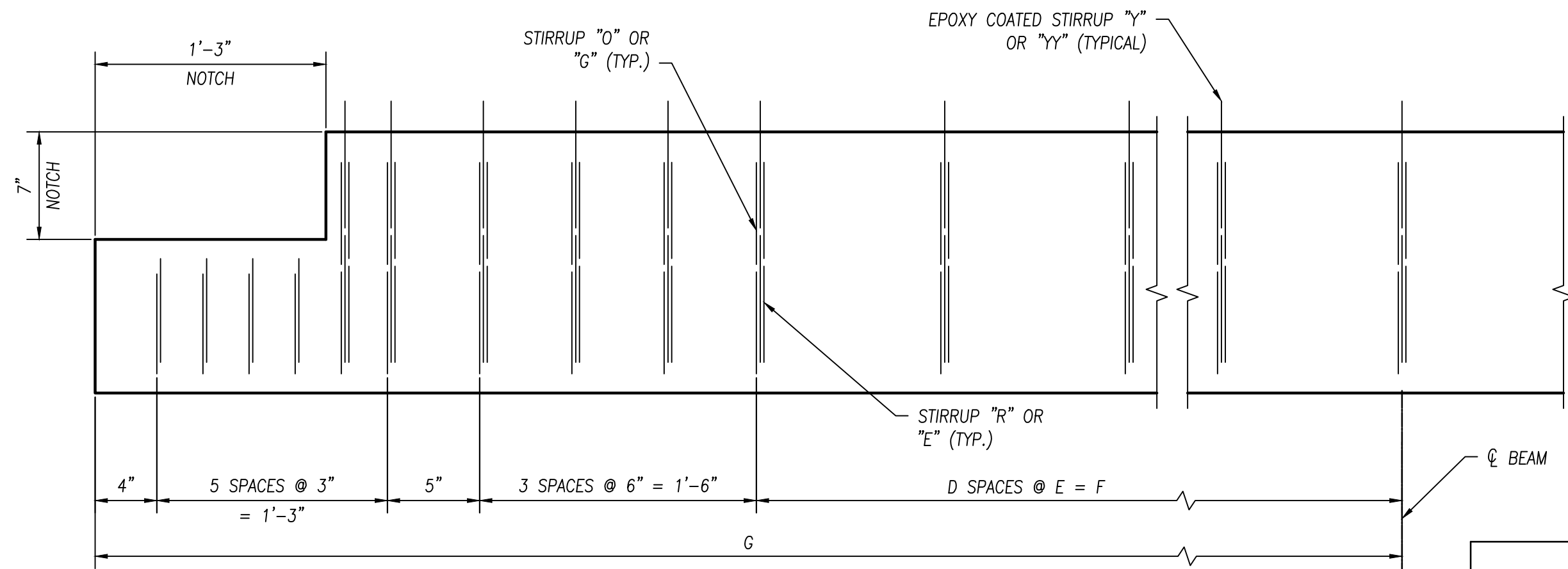
(*) - PILES ARE TO BE DRIVEN TO REFUSAL ON BEDROCK (LENGTH BASED ON ESTIMATED BEDROCK ELEVATIONS)



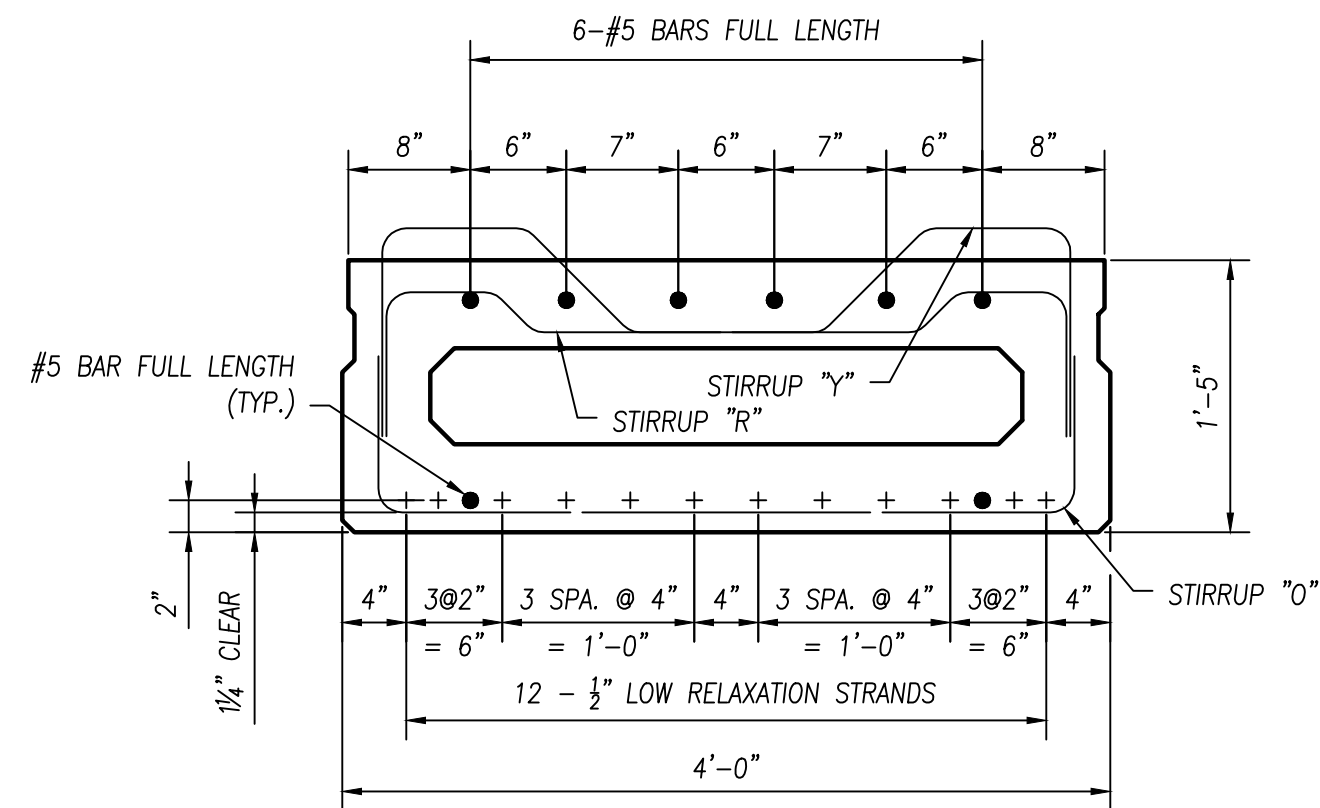
PLOTTED: Jun 10, 2021 -- 10:18am
 DRAWING: M:\18147 (Metroparks - Swan Creek Connector Trail)\STRUCTURAL\Draw\18147 SD-SAM.dwg: S11 BEAM DETAILS-SAM



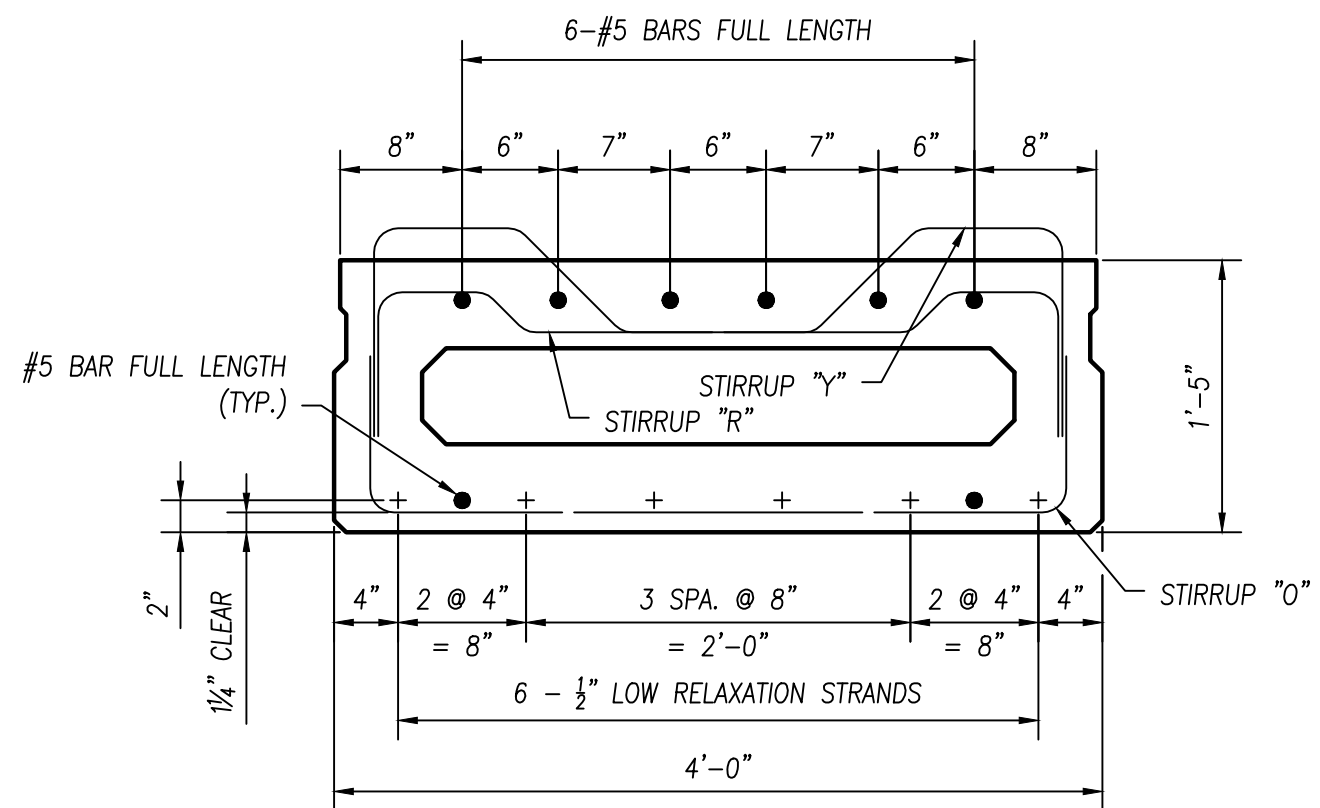
TYPICAL BOARDWALK SECTION



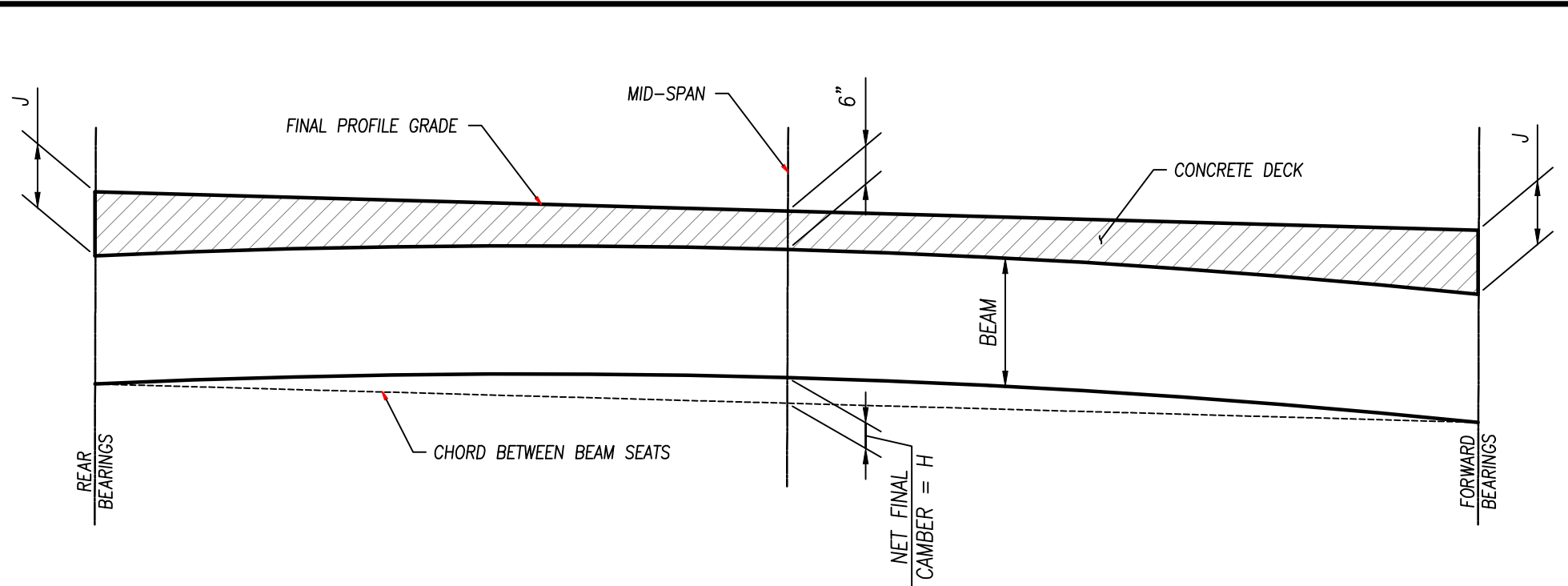
TYPICAL BEAM ELEVATION
(ALL SPANS)



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

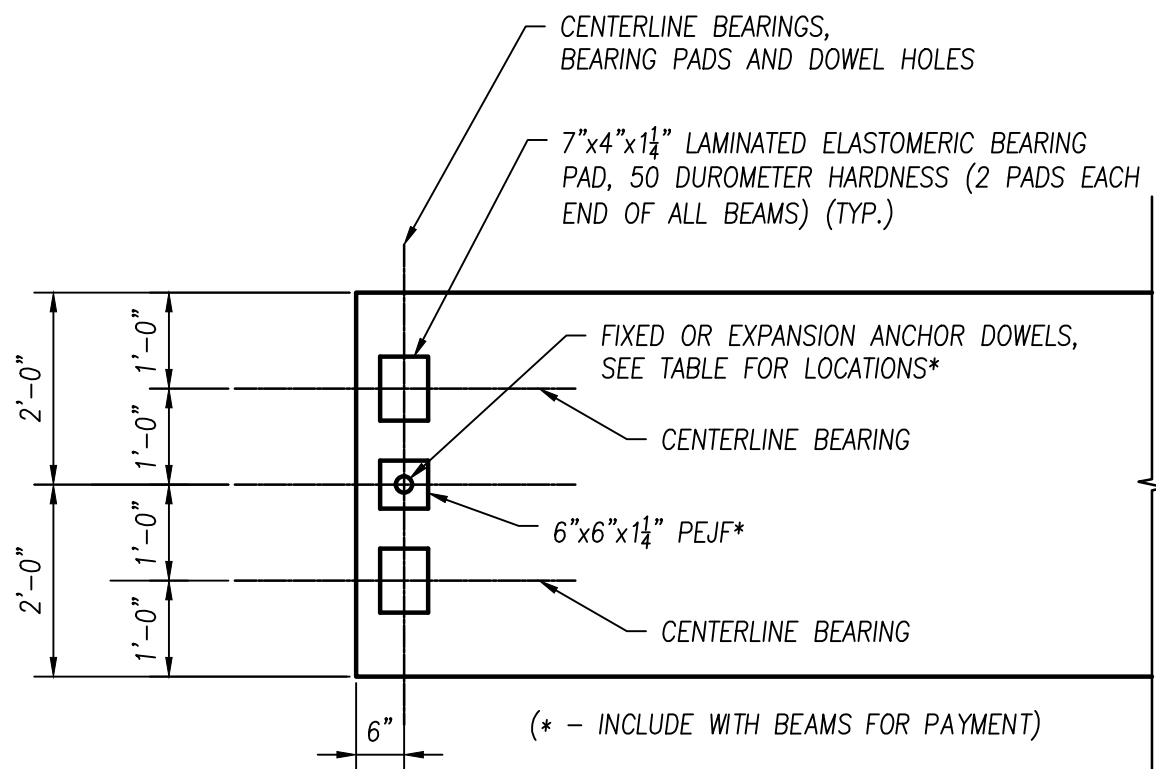


BEAM SECTION (CB17-48)
(SPANS 4 & 18)



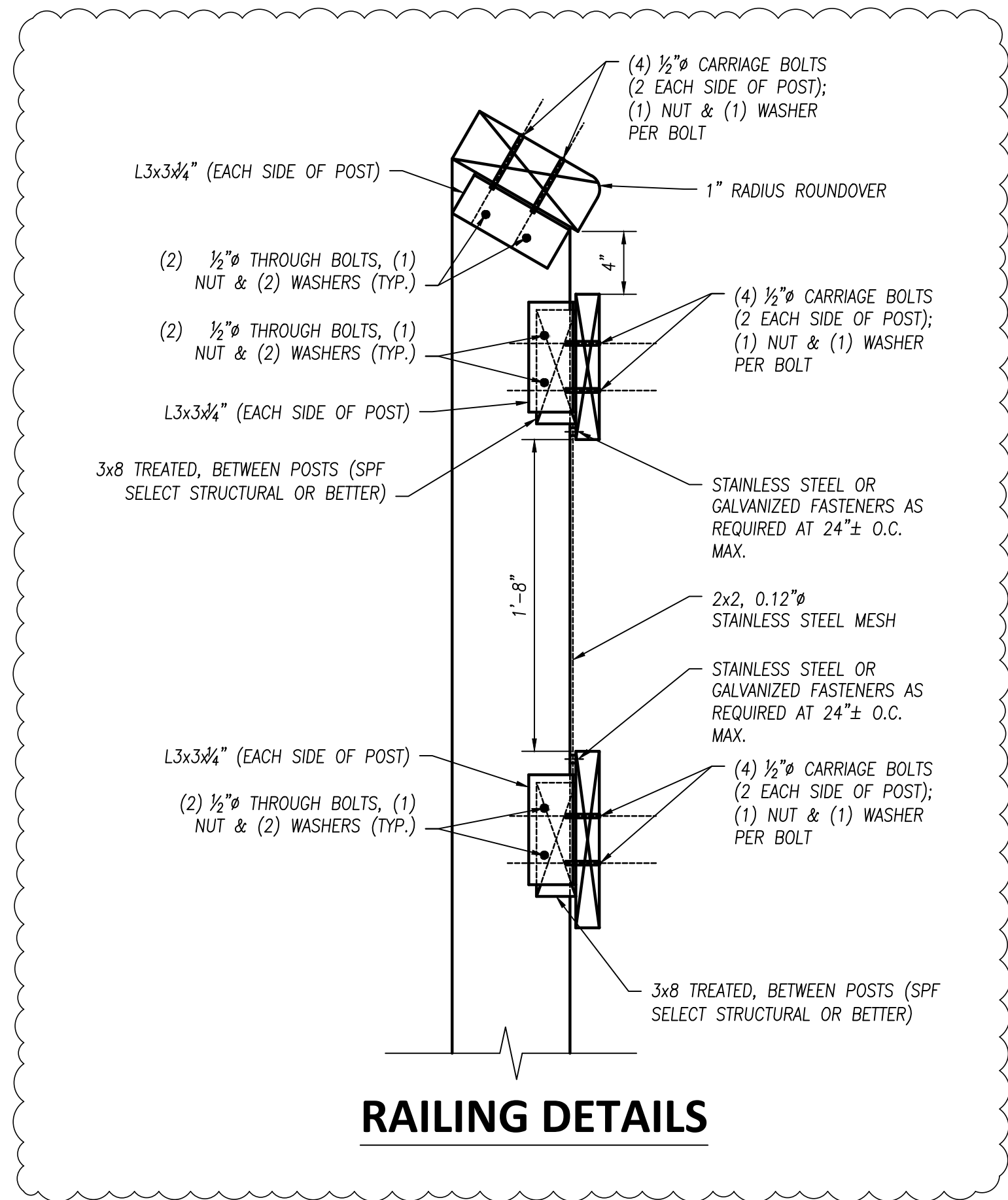
BEAM CAMBER AND DECK
THICKNESS DIAGRAM

SPAN	DIM. "H"	DIM. "J"
4	1/8"	6/8"
5 THRU 17	1/2"	6/2"
18	1/8"	6/8"

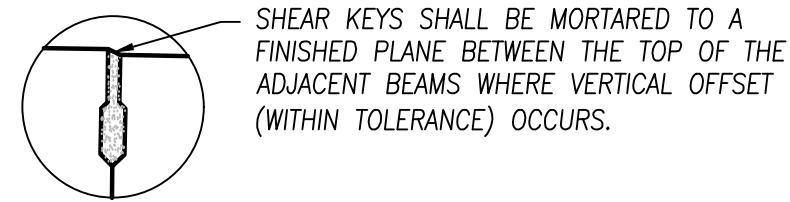


BEARING LOCATION PLAN

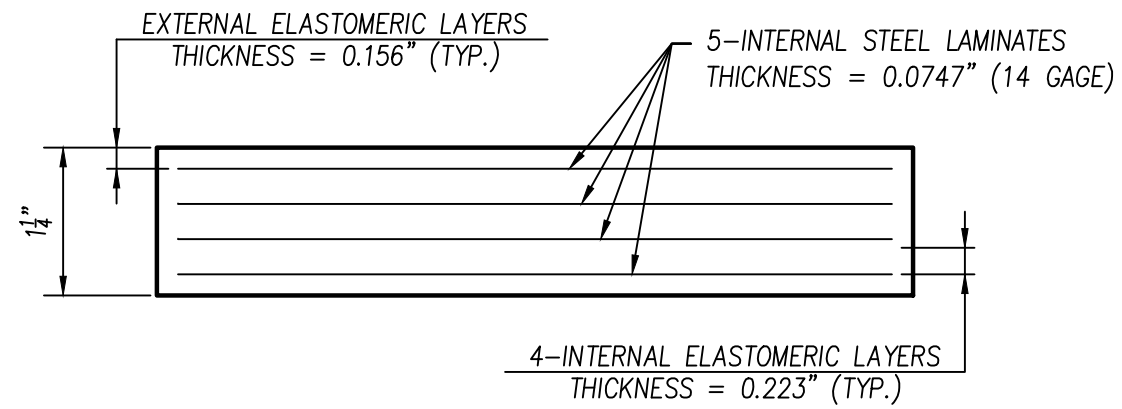
SPAN	D	DIM. "E"	DIM. "F"	DIM. "G"
4	7	11"±	6'-4 1/8"	9'-1 1/8"
5 THRU 17	17	1'-0"	17'-0"	20'-6"
18	8	1'-0"±	7'-11 1/4"	11'-5 1/4"



RAILING DETAILS



DETAIL A



DEAD LOAD	9.8 KIPS
LIVE LOAD (EXCLUDING IMPACT)	9.4 KIPS
MAXIMUM DESIGN LOAD	19.2 KIPS

LAMINATED ELASTOMERIC
BEARING DETAIL
(50 DUROMETER)

STATE OF OHIO

NICHOLAS B. LAKE
E-75628

REGISTERED PROFESSIONAL ENGINEER

February 27, 2020

NO	REVISION	DATE
9		
8		
7		
6		
5		
4		
3	ADDENDUM 1	06-10-21
2	FOR CONSTRUCTION	02-27-20
1		

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

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

BOARDWALK DETAILS

FILE: 18147 SD-SAM.dwg
 JOB NO.: 18147
 DRAWN BY: SAH
 ISSUED: FEB 27, 2020

S11

**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, Oregon, OH 43616
Mosser Construction, Inc.	General Contractor	419-861-5100	mahten@mossergrp.com	Michael A. Ahten	1613 Henthorne Dr, Maumee, OH 43537
Anderzsch Pitzen Construction, Inc.	General Contractor	419-644-2111	marynicholas@wecandigit.com	Mary Nicholas	424 E Main St, Metamora, OH 43540
The Delventhal Company	General Contractor	419-244-5570	cathy@thedelventhalco.com	Cathy Permar	3796 Rockland Circle, Millbury, OH 43447
George Gradel Co,	Sitework	419-691-7123	estimating@geogradelco.com	Frederick Sander	3135 Front St., Toledo, OH 43605
Miller Bros. Const., Inc.	General Contractor	419-445-1015	estimating@mbcholdings.com	Jeremy Hurst	1613 S Defiance St, PO Box 30, Archbold, OH 43502
AA Boos & Sons	General Contractor	419-691-2329	staciewilburn@aaboos.com	Stacie Wilburn	2015 Pickle Rd, Oregon, OH 43616
Rudolph Libbe, Inc.	General Contractor	419-725-3284	mdean@rlcos.com	Michelle Dean	6494 Latcha Road 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., Westerville, OH 43081
Geddis Paving & Excavating, Inc.	Paving & Excavating	419-536-8501	pmunson@geddispaving.com	Petra Munson	1019 Wamba Ave. Toledo, OH 43607
Vernon Nagel, Inc.	General Contractor	419-592-3861	estimates@nagelinc.com	Marc Nagel	0154 County Rd. 11C Napoleon, OH 43545
The Spieker Co.	General Contractor	419-872-7000	santanna@office.spiekercompany.com	Aaron White	2541 Tracy Rd. Northwood, OH 43619
Rietschlin Construction Inc	General Contractor	419-347-4241	meg@rietsclinconstructionoh.com	Margaret Rietschlin	4240 Baker Rd Crestline, OH 44827
B&J Concrete & Construction Co	General Contractor	419-966-7907	kevin.bjconcrete@sbcglobal.net	Kevin McCulley	5840 Secor Rd Toledo, OH 43623
Expercon, LLC	General Contractor	419-214-4343	rb2@expercon.biz	Rob Bischoff	1 Maritime Plaza, Toledo, OH 43604
Miller Diversified	General Contractor	419-867-9119	npearson@millerdiversified.com	Nate Pearson	1656 Henthorne Drive, Suite 100 Maumee, OH 43537
TrueNorth Steel	Drainage & Modular Bridge Supplier	605-870-0627	Kaiti.LaVoy@TrueNorthSteel.com	Kaiti Lavoy	702 13th Ave. E West Fargo, ND 58078
American Timber and Steel	Steel & Timber Material Supplier	419-668-1610	jacqui@amtim.com	Jacqui Gross	4832 Plank Road PO Box 767 Norwalk, OH 44857