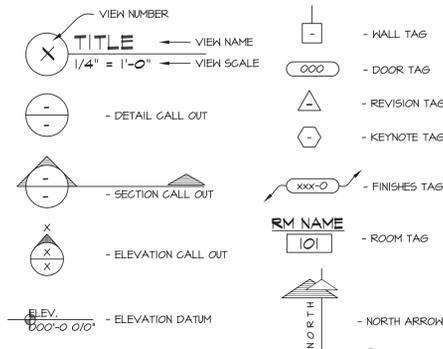


**ABBREVIATIONS**

AF	Above Finished Floor	FC	Fire Code	MFR	Manufacturer	SECT	Section	WIN	Window
ALUM	Aluminum	FD	Floor Drain	MIN	Minimum	SHT	Sheet	W/O	Without
ARCH	Architect	FDN	Foundation	MISC	Miscellaneous	SHTG	Sheeting	WP	Weatherproof
		FG	Fiberglass	NIC	Not in Contract	SIM	Similar	WNF	Welded Wire Fabric
BLDG	Building	FIN	Finished	NO	Number	SPEC	Specified		
BLKG	Blocking	FLR	Floor	NONCOM	Noncombustible	STD	Standard		
BRG	Bearing	FT	Foot or Feet	NTS	Not to Scale	STOR	Storage	⋄	And
CLS	Ceiling	FTG	Footing	O/	On, Over	STYP	Southern Yellow Pine	⊕	At
CONC	Concrete	GYP	Gypsum	OC	On Center	T	Tread	⊖	Center Line
CONSTR	Construction	HT	Height	OPNG	Opening	T & G	Tongue & Groove	⊕	Diameter
CONT	Continuous	HC	Handicap	OPP	Opposite	TEMP	Temporary		
CONTR	Contractor	HDR	Header	OH	Overhead	THK	Thick		
GTR	Center	HR	Hour	FLY	Plywood	TOP	Top of Footing		
		HVAC	Heating, Ventilating & Air Conditioning	PROP	Property	TRTD	Treated		
DP	Deep	PT	Point	PMT	Pavement	TV	Television		
DBL	Double	INCL	Including	PR	Power	TYP	Typical		
DET	Detail	INSUL	Insulation	PSF	Pounds per Square Foot	UL DES	Underwriters Laboratory Designation		
DIA	Diameter	INT	Interior	PSL	Parallel Structure Lumber	UNO	Unless Noted Otherwise		
DN	Down	JST	Joint	PLF	Pier linear foot	VB	Vapor Barrier		
DR	Door	KD	Kiln Dried	R	Riser	RAD	Radius		
DS	Downspout	LAV	Lavatory	REF	Refrigerator	REF	Refrigerator		
DWS	Drawing	LT	Light	REIN	Reinforcing	REQD	Required		
		LVL	Laminated Veneer Lumber	REV	Revision	RM	Room		
				RO	Rough Opening	RO	Rough Opening		
EA	Each								
ELEG	Electrical	MAX	Maximum						
ELEV	Elevation	MC	Moisture Content						
EP	Electrical Panel	MECH	Mechanical						
EXT	Exterior	MET	Metal						

**SYMBOL LEGEND**



**GENERAL NOTES:**

- THE DESIGNER MAINTAINS NO RESPONSIBILITY FOR THE GENERAL CONTRACTOR, SUBCONTRACTORS, OR THOSE WORKING IN SUCH CAPACITIES, FOR THE METHODS USED, OR LACK THEREOF, IN THE EXECUTION OF THE WORK, AND SAFETY PROCEDURES AND PRECAUTIONS TAKEN AT THE PROJECT SITE.
- CONTRACTORS SHALL ASSUME FULL RESPONSIBILITY - UNRELIEVED BY REVIEW OF SHOP DRAWINGS NOR BY SUPERVISION OR PERIODIC OBSERVATION OF CONSTRUCTION FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS - FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED ON THE JOB SITE AND BETWEEN INDIVIDUAL DRAWINGS OR SETS OF DRAWINGS, FOR FABRICATION PROCESSES AND CONSTRUCTION TECHNIQUES (INCLUDING EXCAVATION, SHORING AND SCAFFOLDING, BRACING, ERECTION, FORM WORK, ETC.); FOR COORDINATION OF THE VARIOUS TRADES FOR SAFE CONDITIONS ON THE JOB SITE; AND FOR THE PROTECTION OF THE PEOPLE AND PROPERTY AT THE JOB SITE.
- THE INFORMATION CONTAINED ON THE DRAWINGS IS IN ITSELF INCOMPLETE, AND VOID UNLESS USED IN CONJUNCTION WITH ALL THE SPECIFICATIONS, TRADE PRACTICES, OR APPLICABLE STANDARDS, CODES, ETC., INCORPORATED THEREIN BY REFERENCE, OF WHICH THE CONTRACTOR CERTIFIES KNOWLEDGE BY SIGNING THE CONTRACT.
- UNLESS NOTED OTHERWISE, ALL DETAILS, SECTIONS, AND NOTES ON THE DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR SITUATIONS ELSEWHERE.
- UNLESS OTHERWISE SHOWN OR NOTED, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION AND THE PLACEMENT OF ANY INSERTS, HANGARS, PIPE SLEEVES, HOLES OR ANCHOR BOLTS THAT ARE REQUIRED BY THE MECHANICAL OR ELECTRICAL EQUIPMENT.
- THE CONTRACTOR SHALL COMPLY WITH THE LATEST OCCUPATIONAL SAFETY HEALTH ACT REQUIREMENTS.
- ALL STATE OF WISCONSIN, LOCAL AND O.S.H.A. SAFETY CODES SHALL BE A PART OF THESE PLANS, AND IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO SEE THAT ALL PARTIES THAT WORK AT OR VISIT THE JOB SITE COMPLY WITH SAME.

**PATERA LLC**  
**Excellence in Architecture**  
 2601 S. Sunny Slope Rd. • New Berlin, WI 53151  
 262-786-6776 FAX 262-786-7036

**SURVEYING ASSOCIATES, INC.**  
 MEMBER OF WISCONSIN SOCIETY OF LAND SURVEYORS & NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS

sai@wi.rr.com  
 2554 N. 100TH STREET  
 P.O. BOX 26596  
 WAUWATOSA, WISCONSIN 53226  
 (414) 257-2212 FAX: (414) 257-2443

MARC C. PASSARELLI P.L.S.

**LOCATION PLAN N.T.S.**

**PLAN NOTES:**

- ALTHOUGH EVERY EFFORT HAS BEEN MADE IN PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY, THE CONTRACTORS MUST REVIEW ALL DETAILS OF THEIR TRADES AND BE RESPONSIBLE FOR THE SAME.
- DO NOT SCALE DIMENSIONS FROM DRAWINGS, CONSULT THE ARCHITECT WITH ANY QUESTIONS.

**DESIGN INFO:**

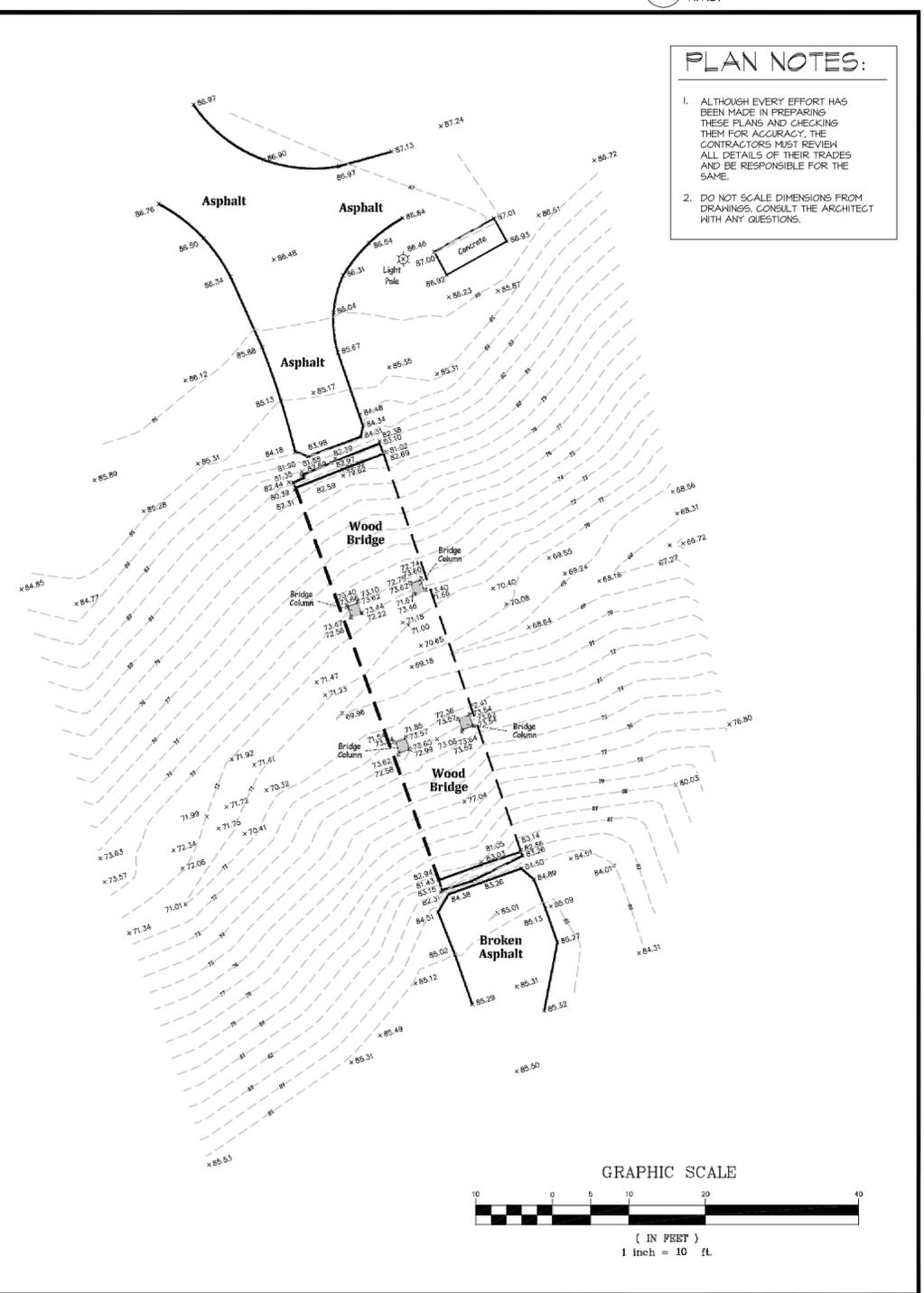
- DESIGN IN ACCORDANCE W/:  
 WISDOT BRIDGE MANUAL, CH. 37  
 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS
- DESIGN LIVE LOADS:  
 PEDESTRIAN LIVE LOAD, PL = 90 P.S.F.  
 MAINTENANCE VEHICLE LIVE LOAD, LL = AASHTO H5 TRUCK (10,000 LBS)
- MATERIAL SPECIFICATIONS:  
 - ALL ENGINEERED WOOD SHALL BE MANUFACTURED FOR EXTERIOR USE  
 - ALL SAWN LUMBER SHALL BE DOUGLASS FIR-LARCH, NO 2 GRADE, GROUND CONTACT PRESURE PRESERVATIVE TREATED. FIELD APPLY PRESERVATIVE TREATMENT TO ALL FIELD CUTS.  
 - ALL CONNECTORS SHALL HAVE MINIMUM G185 ZINC COATING IN CONFORMANCE W/ ASTM A655  
 - ALL FASTENERS SHALL BE HOT-DIP GALVANIZED IN CONFORMANCE W/ ASTM A153A / A153M OR OTHER EQUIVALENT STANDARD.

- REVISIONS:**
- 8/21/19: PROGRESS SET
  - 9/14/19: CD'S ISSUED
  - 11/14/19: UPDATED CD'S
  - 1/28/20: UPDATED CD'S
  - 4/22/20: UPDATED CD'S
  - 4/29/20: UPDATED CD'S
  - 5/18/20: UPDATED CD'S

CONTACT DIGGERS HOTLINE & MILWAUKEE COUNTY PARKS PRIOR TO COMMENCING CONSTRUCTION

**SHEET INDEX:**

ARCHITECTURAL / STRUCTURAL (BY "PATERA"):	
SHEET T-1	EXISTING SURVEY, LOCATIN PLAN, GENERAL NOTES & DETAILS
SHEET A-1	FLOOR & FRAMING PLANS, ELEVATION, & SECTION
CIVIL (BY "KEY ENGINEERING GROUP"):	
SHEET C-0	TITLE PAGE
SHEET C-1	DEMOLITION & EROSION CONTROL PLAN
SHEET C-2	PROPOSED GRADING PLAN
SHEET C-3	STANDARD DETAILS
HELICAL PIER DESIGN (BY "MIDWEST DRILLED FOUNDATIONS & ENGINEERING, INC"):	
SHEET I OF 3	BRIDGE ELEVATION W/ HELICAL PIER SUPPORT
SHEET 2 OF 3	ABUTMENT PLAN VIEW
SHEET 3 OF 3	SECTION A-A



**BENCHMARK FOR ELEVATIONS:**  
 Concrete Monument with Brass Cap  
 Marking the Northeast Corner of the  
 Northeast 1/4 of Section 15-7-22  
 Elevation: 665.95' NGVD 1929 Datum  
 Converted to 85.35' Milwaukee Datum

NOTE: THIS IS NOT AN ORIGINAL SURVEY UNLESS THIS SEAL IS RED.

Surveyed for: **PATERA, LLC**

"I have surveyed the above described property and the above map is a true representation thereof and shows the size and location of the property, its exterior boundaries, the location and dimensions of all structures thereon, fences, apparent easements and roadways and visible encroachments, if any.

"This survey is made for the exclusive use of the present owners of the property, and also those who purchase, mortgage, or guarantee the title thereto within one (1) year from date hereof; and as to them I warrant the accuracy of said survey map.

07/22/2019	MWW	08/09/2019	MCP	35558
FIELD WORK DATE	FIELD WORK BY	DATE DRAFTED	DRAFTED BY	JOB NUMBER

**LAKE PARK PEDESTRIAN BRIDGE**

LAKE PARK, MILWAUKEE, STATE

SHEET TITLE: **T-1**

EXISTING SURVEY, LOCATION PLAN, GENERAL NOTES & DETAILS

DATE: AUG. 9, 2019

PROJECT NUMBER: 19-261

COPYRIGHT: PATERA LLC...IT IS UNLAWFUL FOR ANYONE TO USE OR REPRODUCE BY ANY MEANS ALL OR ANY PORTION OF THESE CONSTRUCTION DOCUMENTS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF PATERA, LLC.

**REVISIONS:**

8/21/19:	PROGRESS SET
9/14/19:	CD'S ISSUED
11/14/19:	UPDATED CD'S
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4/29/20:	UPDATED CD'S
5/18/20:	UPDATED CD'S

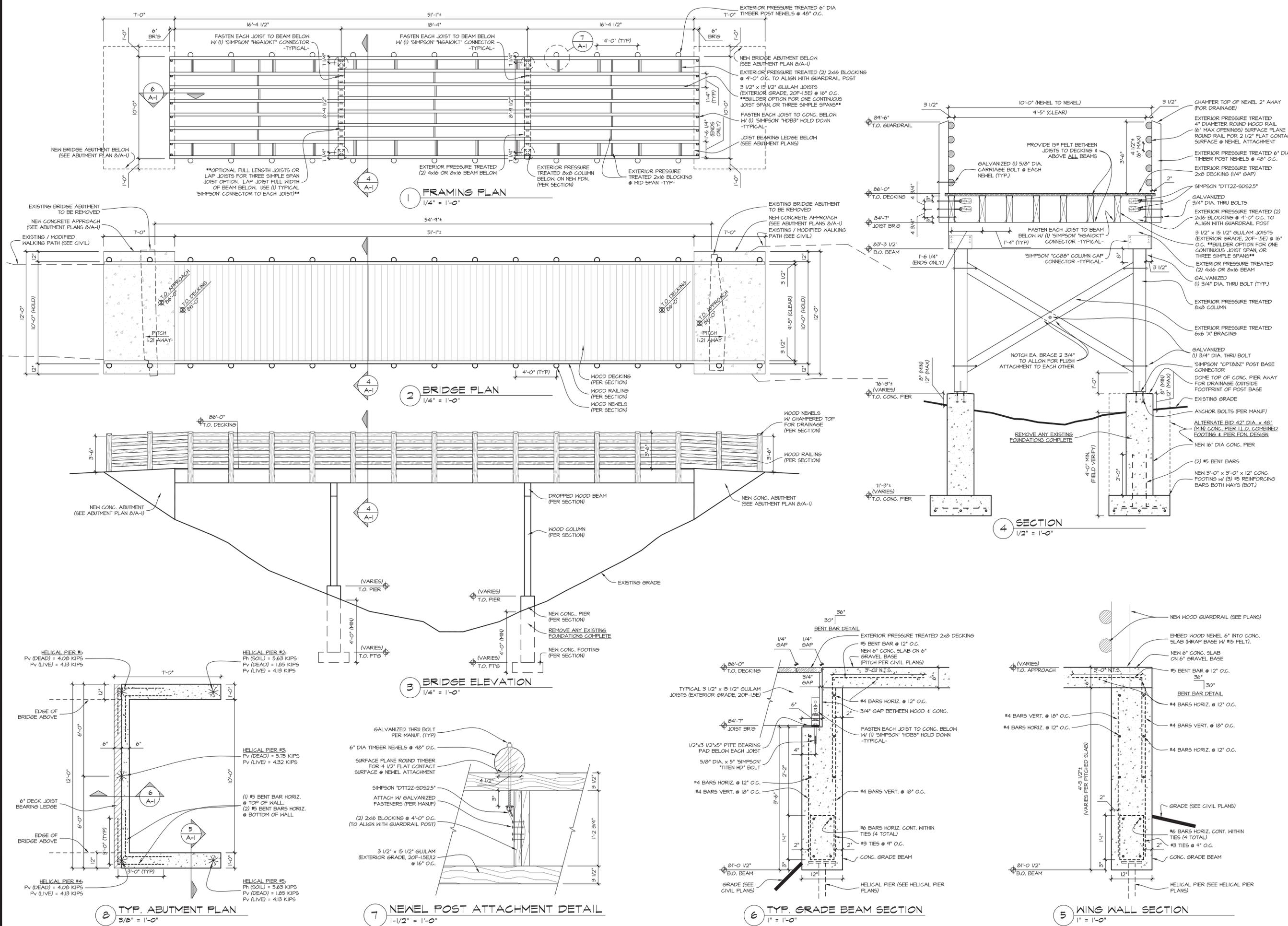
# LAKE PARK PEDESTRIAN BRIDGE

LAKE PARK  
MILWAUKEE, STATE

## FLOOR & FRAMING PLANS, ELEVATION, & SECTION

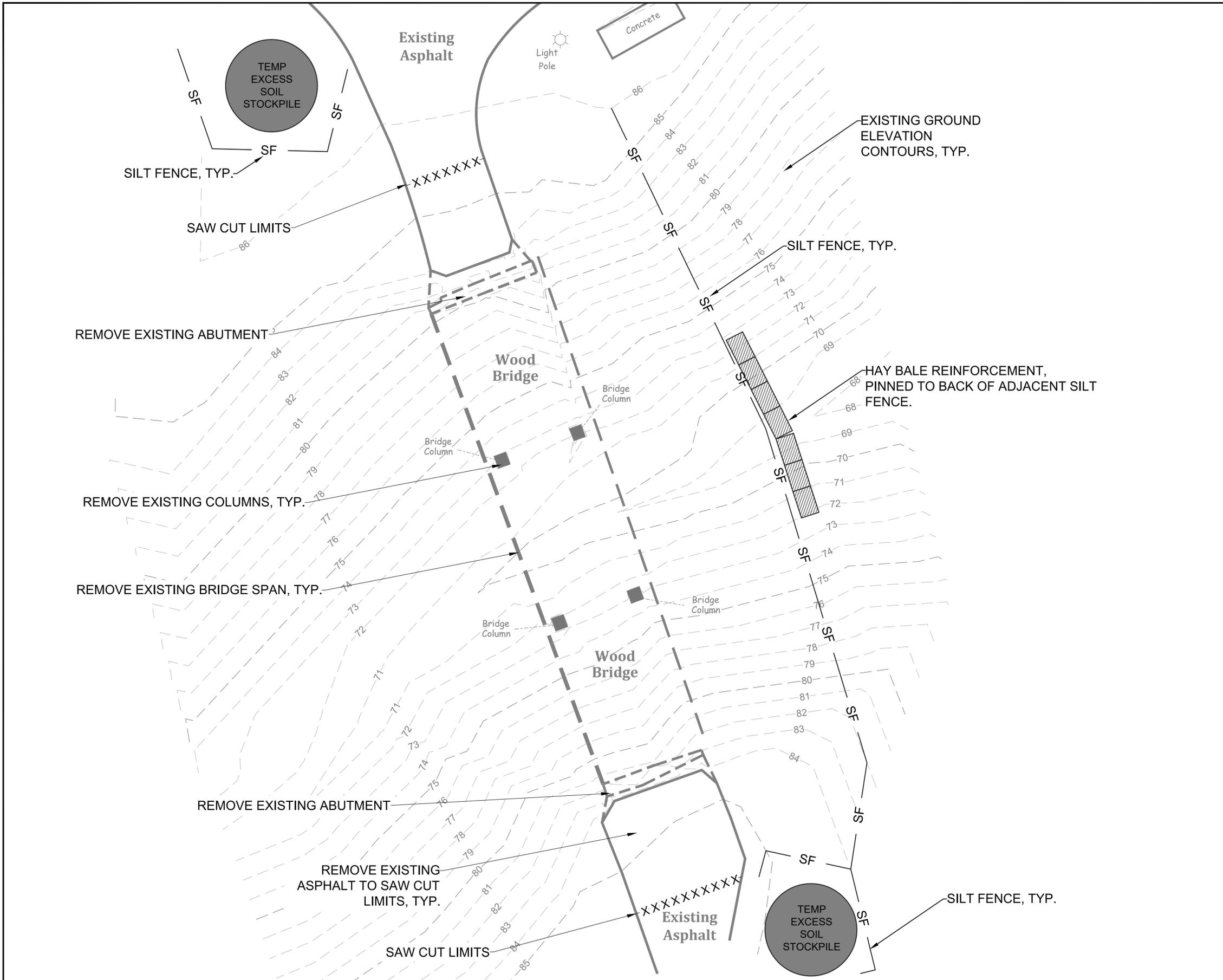
**A-1**

DATE: AUG. 9, 2019  
 PROJECT NUMBER: 19-261



COPYRIGHT: PATERA LLC...IT IS UNLAWFUL FOR ANYONE TO USE OR REPRODUCE BY ANY MEANS ALL OR ANY PORTION OF THESE CONSTRUCTION DOCUMENTS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF PATERA, LLC.





**MAINTENANCE PLAN**

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSPECTED FOR FUNCTIONAL EFFECTIVENESS FOLLOWING EVERY 1/2-INCH RAIN EVENT AND IN NO CASE LESS THAN ONCE PER WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO ENSURE THE DEVICE FUNCTIONS AS DESIGNED.
2. ALL SEEDED AREAS WILL BE WATERED, FERTILIZED, MULCHED AND RESEED AS NECESSARY TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
3. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE STREET SHALL BE REMOVED BY STREET CLEANING BEFORE THE END OF EACH DAY OR AS NECESSARY TO PREVENT DEBRIS FROM ENTERING A STORM SEWER, DITCH, OR WATERWAY.
4. IN THE EVENT CONSTRUCTION ACTIVITIES RESULT IN SEVERE DUST CONDITIONS, SEE WDNR TECHNICAL STANDARD 1068.
5. IN THE EVENT OF DEWATERING ACTIVITIES, FOLLOW WDNR TECHNICAL STANDARD 1061. ALL WATER DISCHARGED FROM THE DEWATERING EQUIPMENT MUST BE FILTERED BY A TYPE II GEOTEXTILE BAG SIZED FOR THE PUMP DISCHARGE FLOW RATE.
6. ANIONIC POLYACRYLAMIDE SHALL BE APPLIED TO ALL DISTURBED AREAS WHERE STABILIZATION OR EROSION IS PROBLEMATIC DURING INCLIMATIC WEATHER WHEN SEEDING IS NOT LIKELY TO GERMINATE. APPLICATION OF POLYACRYLAMIDE SHALL BE PERFORMED IN ACCORDANCE WITH WDNR CONSERVATION PRACTICE STANDARD 1050 (EROSION CONTROL, LAND APPLICATION OF ANIONIC POLYACRYLAMIDE.)

**NOTES:**

1. ALL PROPOSED ELEVATIONS ARE SHOWN AS FINISHED SURFACE GRADES, LOCATED AT GEOMETRY POINTS AND SPOT ELEVATIONS.
2. THE EROSION CONTROL PLAN MUST COMPLY WITH CITY OF MILWAUKEE AND DNR TECHNICAL STANDARDS.
3. STREETS SHALL BE KEPT CLEAN WITH STREET SWEEPING DURING CONSTRUCTION.
4. ALL EXPOSED SOIL AREAS NOT DISTURBED FOR UP TO SEVEN DAYS MUST BE IMMEDIATELY RESTORED WITH SEED AND MULCH.
5. EXCESS TOPSOIL SHALL BE HAULED OFFSITE. NO SALES OF TOPSOIL FROM SITE IS PERMITTED BY THE CITY OF MILWAUKEE.

**CONSTRUCTION SCHEDULE**

1. OBTAIN PLAN APPROVAL AND APPLICABLE PERMITS.
2. INSTALL PERIMETER EROSION CONTROL.
3. COMPLETE DEMOLITION ACTIVITIES.
4. STRIP AND REMOVE TOPSOIL WITHIN DISTURBANCE LIMITS FROM PROJECT SITE.
5. TEMPORARY STOCKPILES SHALL BE PROTECTED WITH STRAW BALES, SILT FENCE, OR OTHER PERIMETER CONTROL MEASURES.
6. ROUGH GRADE FOR PROPOSED IMPROVEMENTS.
7. INSTALL CONCRETE ABUTMENTS AND CONCRETE PIERS & FOUNDATION.
8. CONSTRUCT BRIDGE AND DECKING.
9. INSTALL PAVEMENT.
10. FINAL GRADE, INSTALL PERMANENT EROSION MATTING, TOPSOIL, INSTALL PLANT MATERIAL, SEED AND STABILIZE ALL DISTURBED AREAS.
11. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AFTER 70% GROWTH OF HEALTHY VEGETATION.
12. ESTIMATED TIME TO FINAL STABILIZATION - 3 MONTHS FROM THE START OF CONSTRUCTION ACTIVITIES.

**LEGEND**

- - SET IRON STAKE
- - - FOUND IRON PIPE
- P/L - PROPERTY LINE
- x 100.00 - EXISTING SPOT ELEVATION
- ⊙ - SEWER MANHOLE
- ⊙ - COMMUNICATION MANHOLE
- ⊙ - ELECTRIC MANHOLE
- - CATCH BASIN
- ⊙ - TRAFFIC MANHOLE
- EM - ELECTRIC METER
- GM - GAS METER
- WV - WATER VALVE
- GV - GAS VALVE
- HY - HYDRANT
- ⊙ - TRAFFIC SIGNAL
- UB - UTILITY BOX
- UL - UTILITY POLE
- FL - FLOOD LIGHT
- LP - LIGHT POLE
- W - WELL
- B-40 - BORING
- - CLEAN OUT
- ⊠ - TRANSFORMER
- ⊠ - AIR CONDITIONER
- - BOLLARD
- - UNDERGROUND WATER
- - - E - E - E - UNDERGROUND ELECTRIC
- - - T - T - T - UNDERGROUND TELECOMMUNICATIONS
- - - O - O - O - OVERHEAD ELECTRIC
- - - G - G - G - UNDERGROUND GAS
- - - SAN - SAN - SAN - SANITARY SEWER
- - - ST - ST - ST - STORM SEWER
- - CHAIN LINK FENCE
- - - SF - SF - SF - SILT FENCE
- - - H - H - H - HAND RAIL
- - - WET - WET - WET - WETLAND
- - - FP - FP - FP - FLOOD PLAIN
- - - PP - PP - PP - PERMANENT POOL
- - - PEC - PEC - PEC - PRIMARY ENVIRONMENTAL CORRIDOR
- XXXXXXX - SAW CUT
- ~~~~~ - TREE LINE



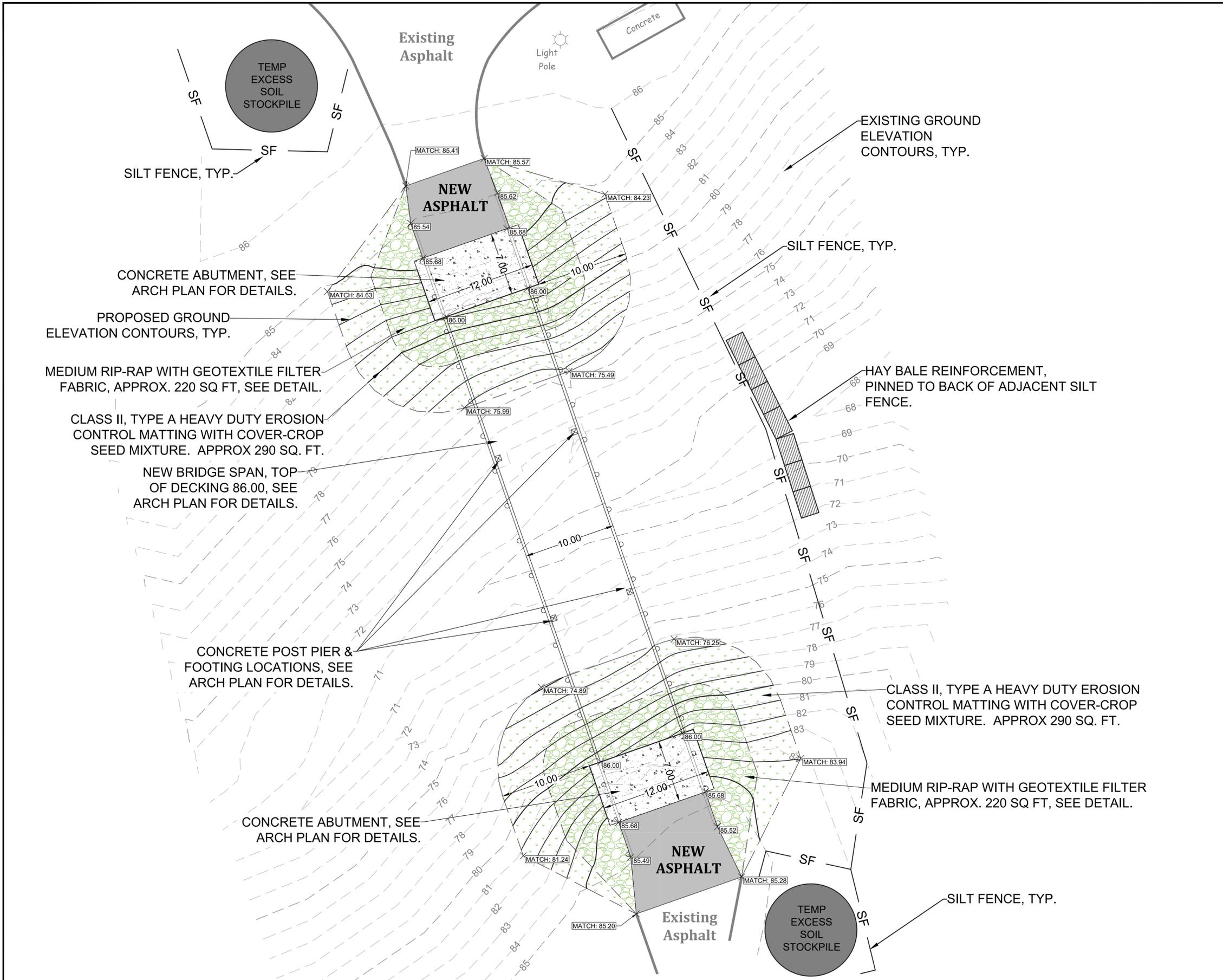
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				RJN	
				DAT	
				DAT	
		05.15.2020			

**PROPOSED DEMOLITION & EROSION CONTROL PLAN**  
**OGDEN CONSTRUCTION GROUP, LLC**  
**LAKE PARK PEDESTRIAN BRIDGE**  
**MILWAUKEE, WISCONSIN**



KEY PROJECT NUMBER	2002-0285-0001
PROJECT SCALE	1" = 5'
SHEET NUMBER	C-1

C:\Users\rlarson\AppData\Local\Temp\AC9cab3b-2474-42c1-8a9c-Park Pedestrian Bridge 5.7.2020.dwg



**MAINTENANCE PLAN**

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSPECTED FOR FUNCTIONAL EFFECTIVENESS FOLLOWING EVERY 1/2-INCH RAIN EVENT AND IN NO CASE LESS THAN ONCE PER WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO ENSURE THE DEVICE FUNCTIONS AS DESIGNED.
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**NOTES:**

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4. ALL EXPOSED SOIL AREAS NOT DISTURBED FOR UP TO SEVEN DAYS MUST BE IMMEDIATELY RESTORED WITH SEED AND MULCH.
5. EXCESS TOPSOIL SHALL BE HAULED OFFSITE. NO SALES OF TOPSOIL FROM SITE IS PERMITTED BY THE CITY OF MILWAUKEE.

**SEEDING NOTES:**

1. AGRECOL CUSTOM SEED MIX ORDER NUMBER 0050726, OR EQUAL, IN ALL DISTURBED AREAS NOT COVERED BY FILTER FABRIC AND RIP-RAP, PER STANDARD SPECIFICATIONS.
2. MINIMIZE DISTURBED AREAS TO THOSE NEEDED FOR CONSTRUCTION ONLY.

**CUSTOM SEED MIX**  
 HYSTRIX PATULA  
 CAREX BREVIOR  
 ELYMUS VIRGINICUS  
 GLYCERIA STRIATA  
 CAREX SPRENGELII  
 AQUILEGIA CANADENSIS  
 CAMPANULA AMERICANA  
 EUPATORIUM PURPUREUM  
 SOLIDAGO FLEXICAULIS

**LEGEND**

- - SET IRON STAKE
- - - FOUND IRON PIPE
- PL - PROPERTY LINE
- x 100.00 - EXISTING SPOT ELEVATION
- ⊙ - SEWER MANHOLE
- ⊕ - COMMUNICATION MANHOLE
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- - - PP - PP - PP - PERMANENT POOL
- - - PEC - PEC - PEC - PRIMARY ENVIRONMENTAL CORRIDOR
- \*\*\*\*\* - SAW CUT
- ~~~~~ - TREE LINE



REVISION NO.	DESCRIPTION	DATE	BY	DESIGNED BY	ISSUANCE TYPE
				RJN	PERMIT
				RJN	
				DAT	
				DAT	
		05.15.2020			

**PROPOSED GRADING PLAN**  
**OGDEN CONSTRUCTION GROUP, LLC**  
**LAKE PARK PEDESTRIAN BRIDGE**  
**MILWAUKEE, WISCONSIN**



KEY PROJECT NUMBER	2002-0285-0001
PROJECT SCALE	1" = 5'
SHEET NUMBER	C-2

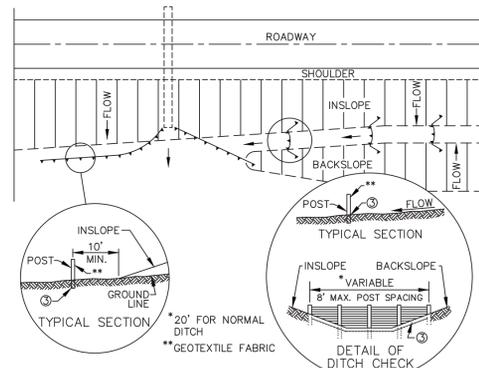
**SILT FENCE GENERAL NOTES:**

DETAIL OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

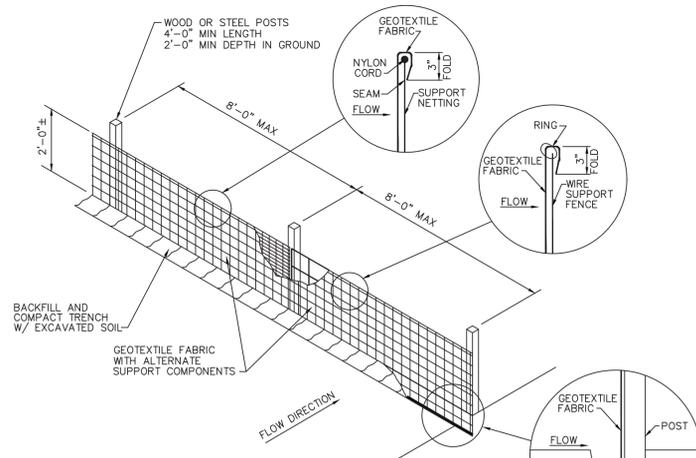
WHEN POSSIBLE THE SILT FENCE SHOULD BE CONSTRUCTED IN AN ARC OR HORSESHOE SHAPE, WITH THE ENDS POINTING UPSLOPE TO MAXIMIZE BOTH STRENGTH AND EFFECTIVENESS.

- ① CROSS BRACE WITH 2" x 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS AS DIRECTED BY THE ENGINEER.
- ② MINIMUM 14 GAGE WIRE REQUIRED, FOLD FABRIC 3" OVER THE WIRE AND STAPLE OR PLACE WIRE RINGS ON 12" C-C.
- ③ EXCAVATE A TRENCH A MINIMUM OF 4" WIDE AND 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC, FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.
- ④ WIRE SUPPORT FENCE SHALL BE 14 GAGE MINIMUM WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6". SECURE TOP OF GEOTEXTILE FABRIC TO TOP OF FENCE WITH STAPLES OR WIRE RINGS AT 12" C-C.
- ⑤ GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLY-PROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 3/4" OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED.
- ⑥ STEEL POSTS SHALL BE STUDDED "TEE" OR "U" TYPE WITH A MINIMUM WEIGHT OF 1.28 lbs/lin. ft. (WITHOUT ANCHOR). FIN ANCHORS SUFFICIENT TO RESIST POST MOVEMENT ARE REQUIRED. WOOD POSTS SHALL BE A MINIMUM SIZE OF 4" DIA. OR 1-1/2" x 3-1/2" EXCEPT WOOD POSTS FOR GEOTEXTILE FABRIC REINFORCED WITH NETTING SHALL BE A MINIMUM SIZE OF 1-1/8" x 1-1/8" OAK OR HICKORY.

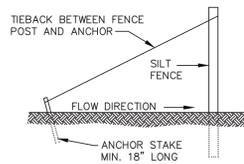
ALTERNATIVES A AND B ARE EQUAL AND EITHER MAY BE USED.



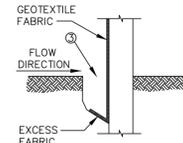
PLAN VIEW  
TYPICAL APPLICATIONS OF SILT FENCE



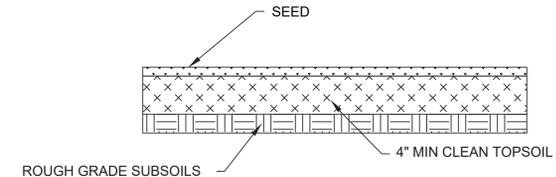
NOTE: ATTACH THE FABRIC TO THE POSTS WITH WIRE STAPLES OR WOODEN LATHE & NAILS.  
SILT FENCE - ALTERNATE "A"



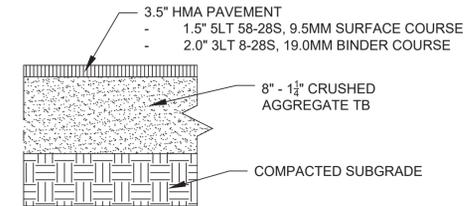
SILT FENCE TIE BACK  
(WHEN REQUIRED BY THE ENGINEER)



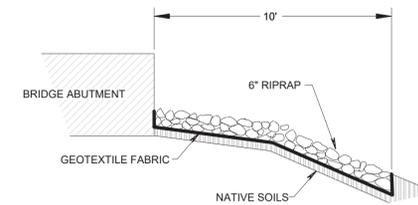
TRENCH DETAIL



SEED AND TOPSOIL DETAIL  
NOT TO SCALE



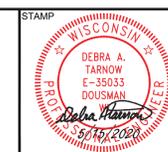
STANDARD DUTY ASPHALT PAVEMENT  
NOT TO SCALE



RIPRAP AND GEOTEXTILE FABRIC  
AT ABUTMENTS DETAIL  
NTS

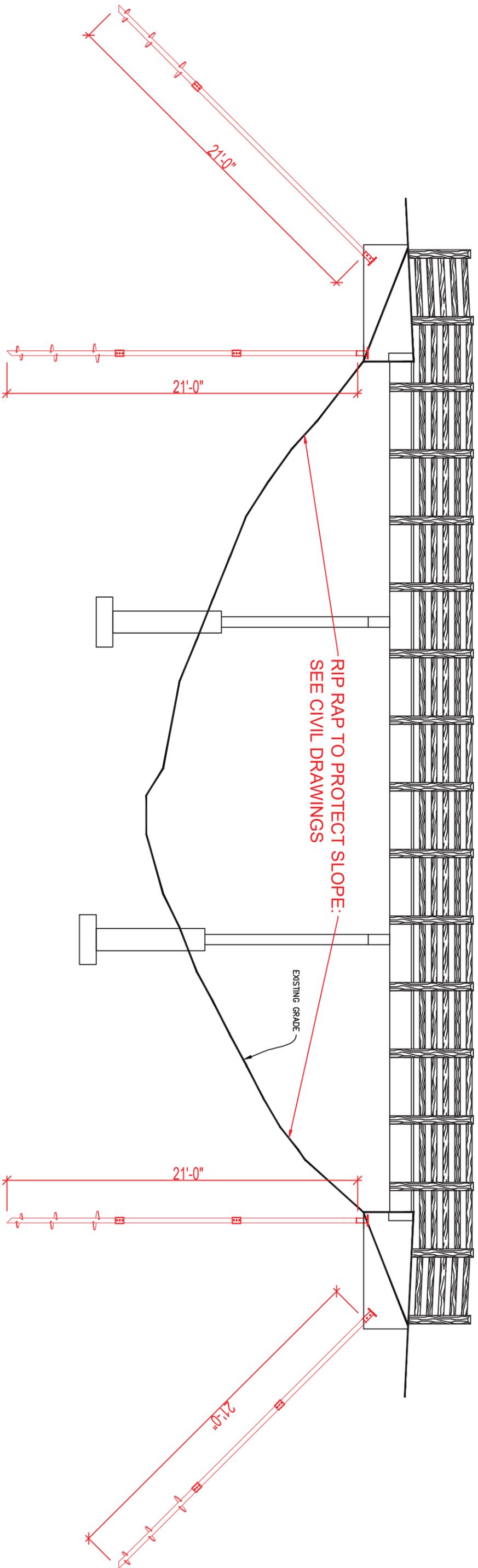
REVISION NO.	DESCRIPTION	DATE	BY	DESIGNED BY	ISSUANCE TYPE
				RJN	PERMIT
				RJN	
				DAT	
				DAT	
				DATE	
				05.15.2020	

**STANDARD DETAILS**  
**OGDEN CONSTRUCTION GROUP, LLC**  
**LAKE PARK PEDESTRIAN BRIDGE**  
**MILWAUKEE, WISCONSIN**



KEY PROJECT NUMBER	2002-0285-0001
PROJECT SCALE	NTS
SHEET NUMBER	C-3

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Midwest Drilled Foundations  
& Engineering, Inc.  
200 S. Prairie Avenue  
Waukesha, WI 53186

Subject  
LAKE PARK - BRIDGE ABUTMENTS

Notes  
Bridge Elevation w/ Helical Pier Support

Revision # Description of Revision

By Date

Job No.  
20-xxx

Date  
5/1/2020

Drawn By  
R.F.P.

Contractor  
MDF&E

Scale  
N.T.S.

Sheet  
1 of 3



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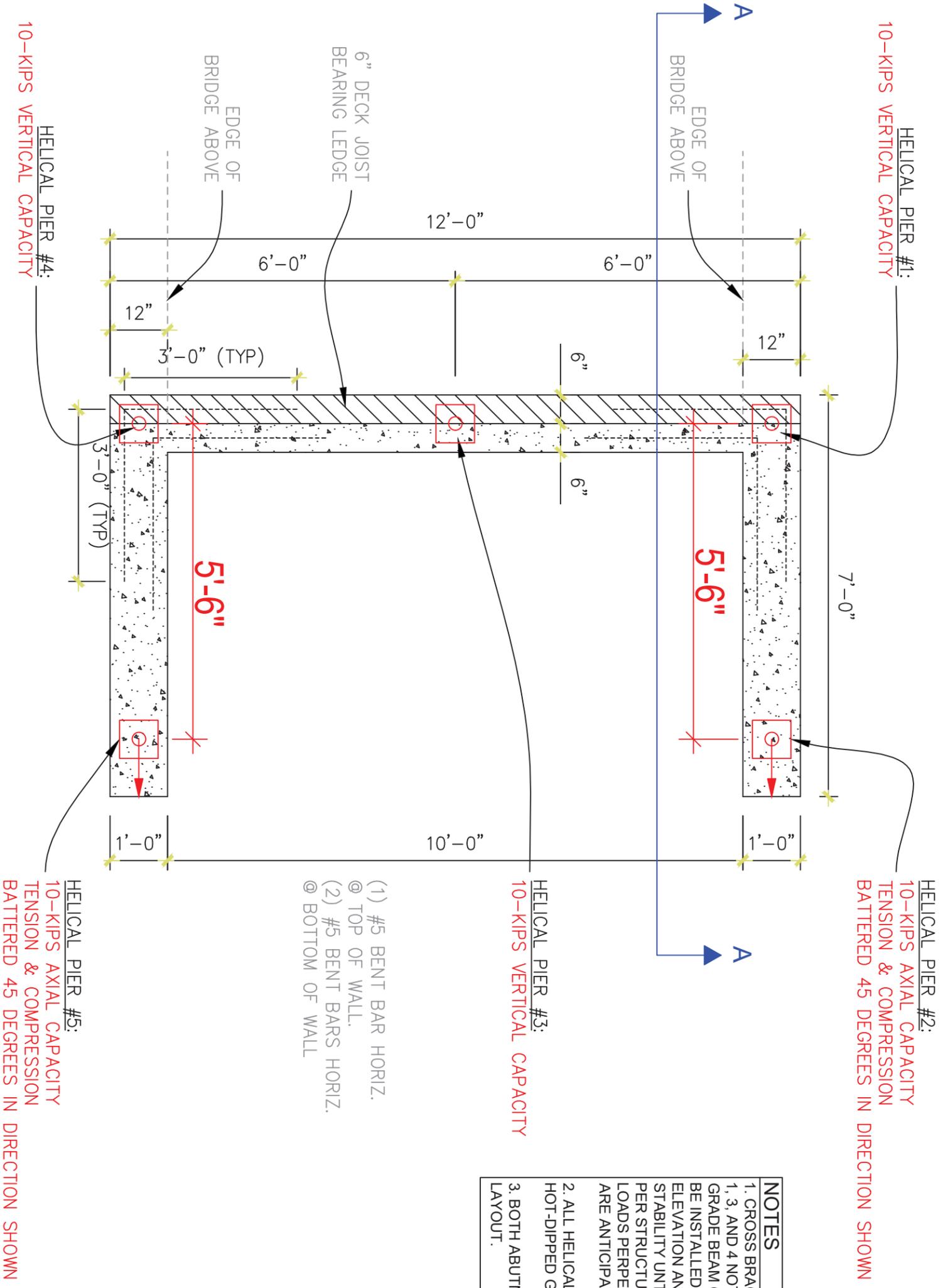
Subject  
**LAKE PARK - BRIDGE ABUTMENTS**

Notes  
Helical Pier Plan View Abutment

Revision #	Description of Revision	By	Date

Job No. 20-xxxx	Date 5/1/2020	Drawn By R.F.P.
Contractor MDF&E	Scale 1/2" = 1'-0"	Sheet 2 of 3

**ABUTMENT PLAN VIEW**  
SCALE = 1/2" = 1'-0"



- NOTES**
- CROSS BRACING BETWEEN HELICAL PIERS 1, 3, AND 4 NOT REQUIRED FOR CONCRETE GRADE BEAM OPTION. HELICAL PIERS WILL BE INSTALLED FROM B/GRADE BEAM ELEVATION AND SOIL WILL PROVIDE LATERAL STABILITY UNTIL CONCRETE PLACEMENT. PER STRUCTURAL ENGINEER, NO LATERAL LOADS PERPENDICULAR TO BRIDGE TRAFFIC ARE ANTICIPATED.
  - ALL HELICAL PIER MATERIAL TO BE HOT-DIPPED GALVANIZED.
  - BOTH ABUTMENTS TO HAVE IDENTICAL LAYOUT.

