

STATE OF ILLINOIS - DEPARTMENT OF TRANSPORTATION

QUINCY PARK DISTRICT

**PROPOSED
MULTI-USE TRAIL IMPROVEMENTS**

BILL KLINGNER TRAIL - 18TH STREET TO 24TH STREET

SECTION 16-P4003-04-BT

PROJECT NO. 2M1D (727)

JOB NO.: C-96-011-18

ADAMS COUNTY, IL

SURFACE TRANSPORTATION / ENHANCEMENT PROGRAM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-P4003-04-BT	ADAMS	122	1
		ILLINOIS	CONTRACT NO. 93711	

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HIGHWAY STANDARDS

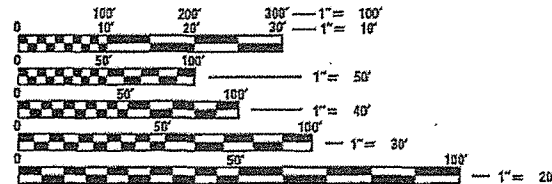
SEE SHEET 2 FOR LIST OF STANDARDS

DESIGN DESIGNATION

MULTI-USE PATH
DESIGN SPEED: 20 MPH

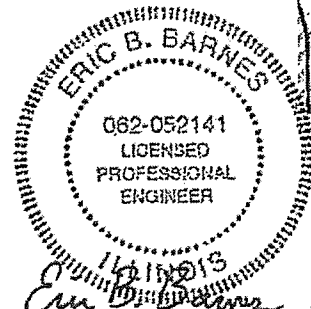
PROJECT DESCRIPTION

Project consists of construction of a new pedestrian /bike path along Cedar Creek, involving HMA pavement, aggregate shoulders, drainage structures, prefabricated bridges, retaining walls, erosion control, fencing, seeding, signage, pavement striping and other miscellaneous appurtenances.



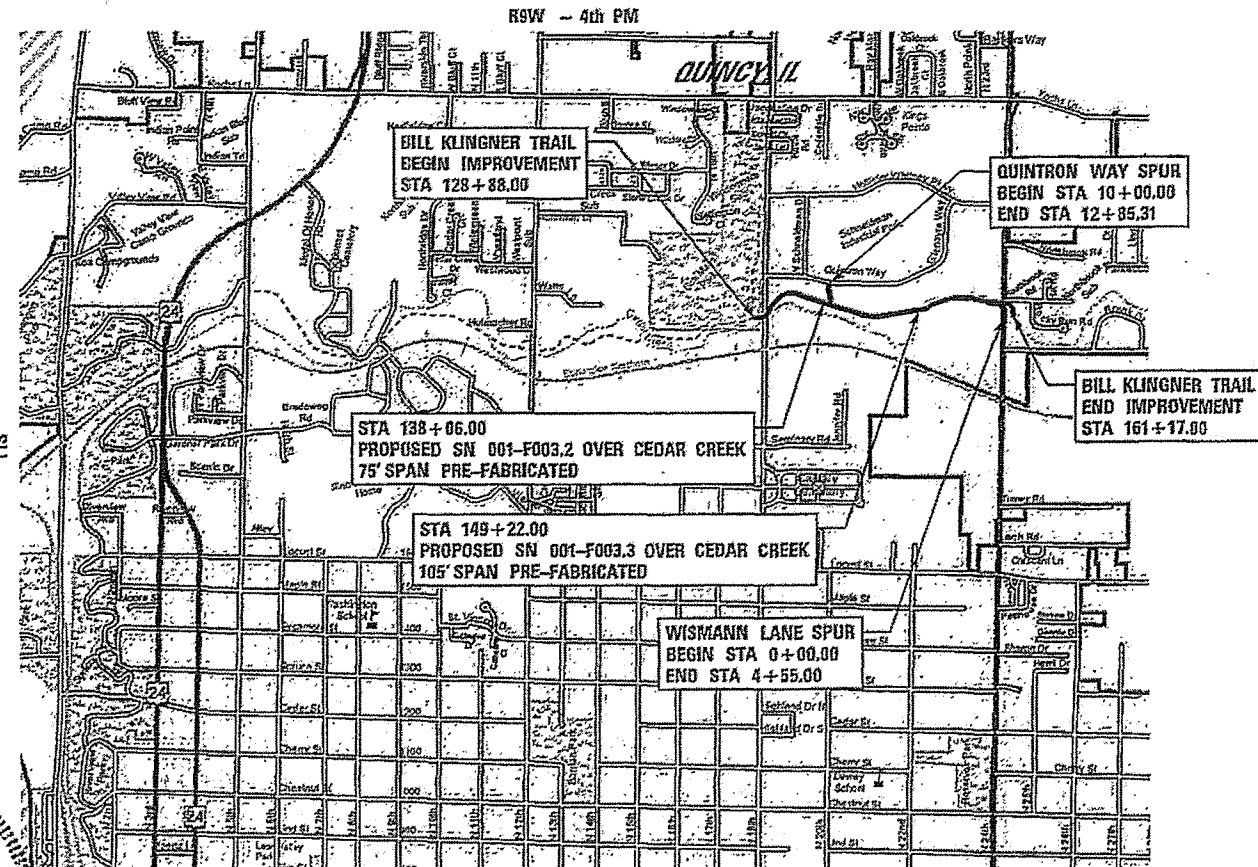
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR CAVATION
1-800-892-0123
OR 811

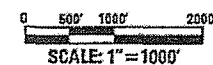


ERIC B. BARNES
REGISTERED PROFESSIONAL ENGINEER
STATE OF ILLINOIS NO. 062-052141
LICENSE EXPIRES NOVEMBER 30, 2019

Eric B. Barnes 3/01/18
DATE



LOCATION MAP

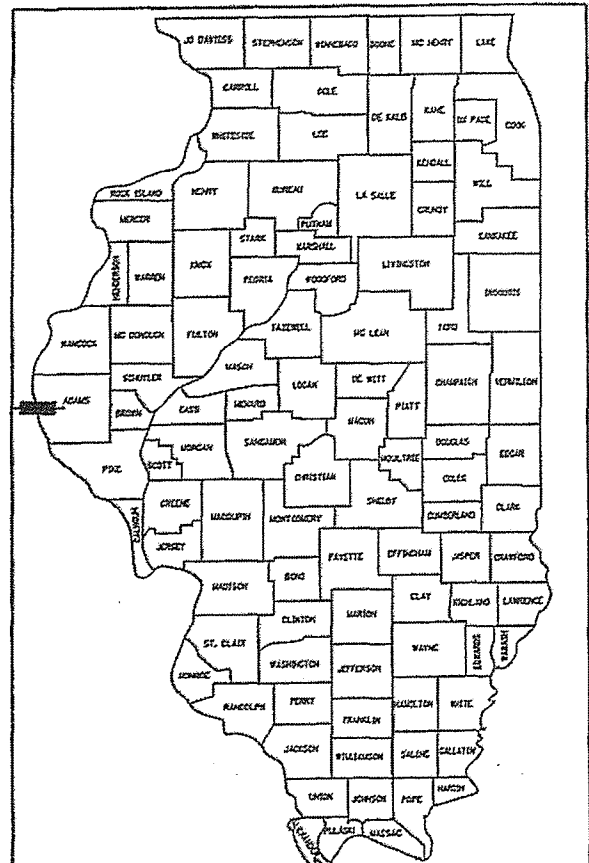


NET LENGTH OF SECTION = 3,229.00 FT. = 0.612 MILES

Plans prepared by: IL DESIGN FIRM NO.: 1842738
KLINGNER & ASSOCIATES, P.C.
Engineers • Architects • Surveyors

Quincy, Illinois
619 North 24th Street
217.223.3670

www.klingner.com
Galesburg, IL Burlington, IA
Pella, IA Hannibal, MO Columbia, MO



LOCATION OF SECTION INDICATED THUS:

APPROVED *March 1 2018*
Rose F. L.
EXECUTIVE DIRECTOR, QUINCY PARK DISTRICT

PASSED *7-12 2018*
Chad Tohill
DISTRICT SIX ENGINEER OF LOCAL ROADS & STREETS

Releasing For
Limited Review *7-12 2018*
Jeffrey R. South
REGION FOUR ENGINEER

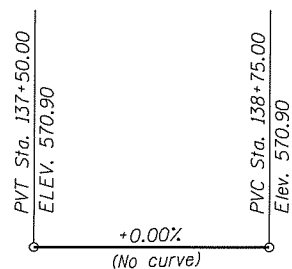
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONTRACT NO. 93711

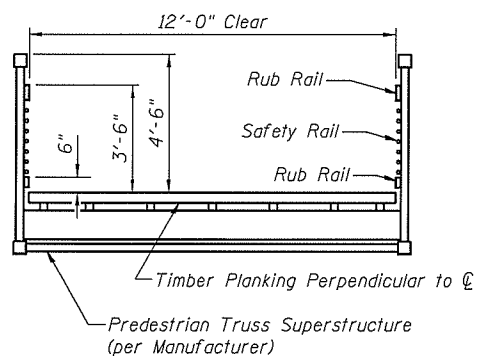
QUINCY PARK DISTRICT

SECTION 16-P4003-04-BT

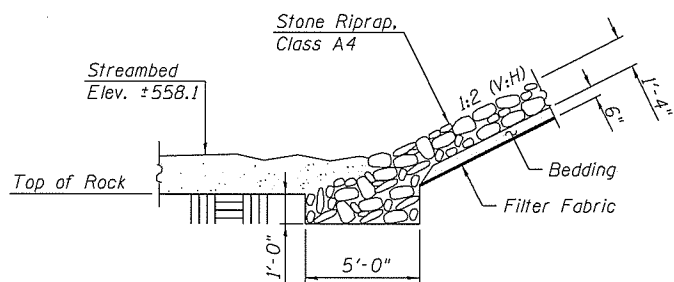
Revised 9/11/18



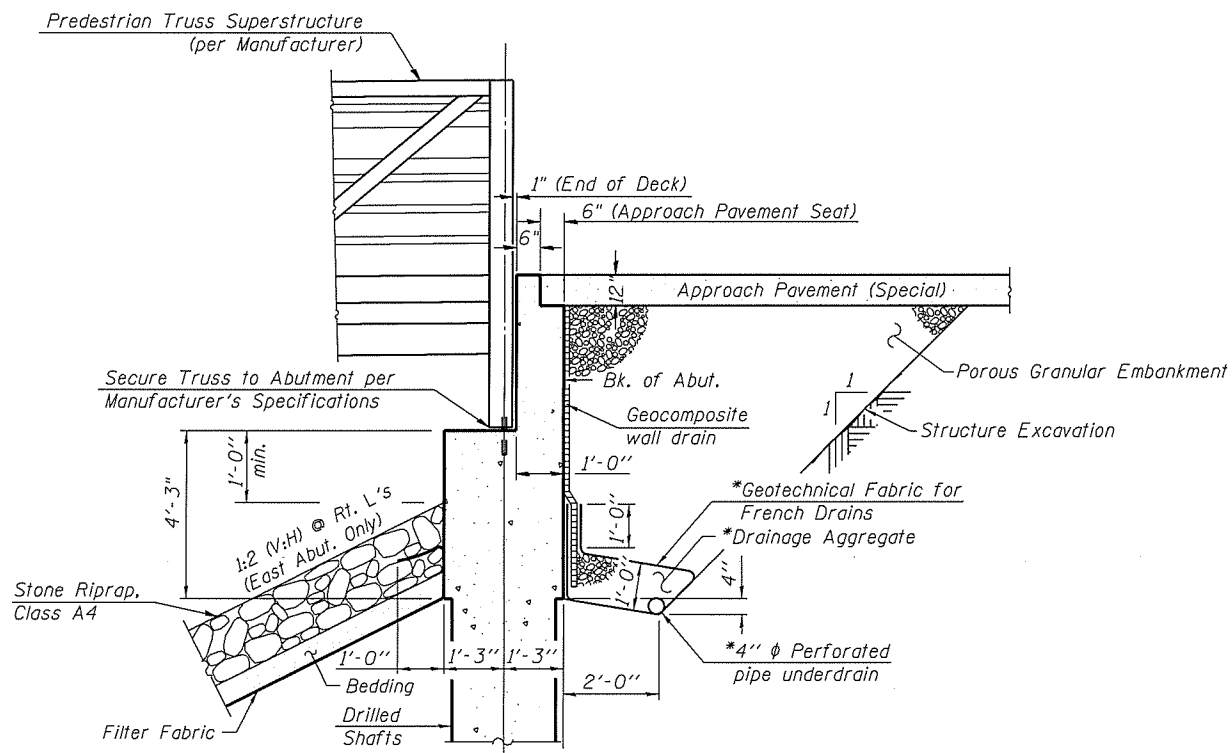
PROFILE GRADE
(along \hat{C} Bill Klingner Trail)



CROSS SECTION
(Looking East)



SECTION A-A



SECTION THRU ABUTMENT

*Included in the cost of Pipe Underdrains for Structures.
(See Special Provisions)

Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 60110.1).

GENERAL NOTES

No field welding is permitted except as specified in the contract documents.
Reinforcement bars designated (E) shall be epoxy coated.
Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
If a portion of the drilled shaft is under water, reinforcement may be placed under water in forms. Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above the water line at the time of construction.

The type of timber to be used for the bridge deck shall be Treated, Douglas Fir.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu. Yd.		56	56
Stone Riprap, Class A4	Sq. Yd.		72	72
Filter Fabric	Sq. Yd.		72	72
Structure Excavation	Cu. Yd.		40	40
Concrete Structures	Cu. Yd.		23.2	23.2
Protective Coat	Sq. Yd.	34		34
Reinforcement Bars, Epoxy Coated	Pound		5320	5320
Name Plates	Each	1		1
Drilled Shaft in Soil	Cu. Yd.		3.1	3.1
Drilled Shaft in Rock	Cu. Yd.		1.6	1.6
Concrete Sealer	Sq. Ft.		272	272
Geocomposite Wall Drain	Sq. Yd.		40	40
Pipe Underdrains for Structures 4"	Foot		97	97
Pedestrian Truss Superstructure	Sq. Ft.	874		874
Pedestrian Rail (Special)	Foot	48		48
Bridge Approach Pavement (Special)	Sq. Yd.	34		34

STATION 138+06.00
BUILT 201 BY
QUINCY PARK DISTRICT
SEC. 16-P4003-04-BT
LOADING H-10
STRUCTURE NO. 001-F003.2

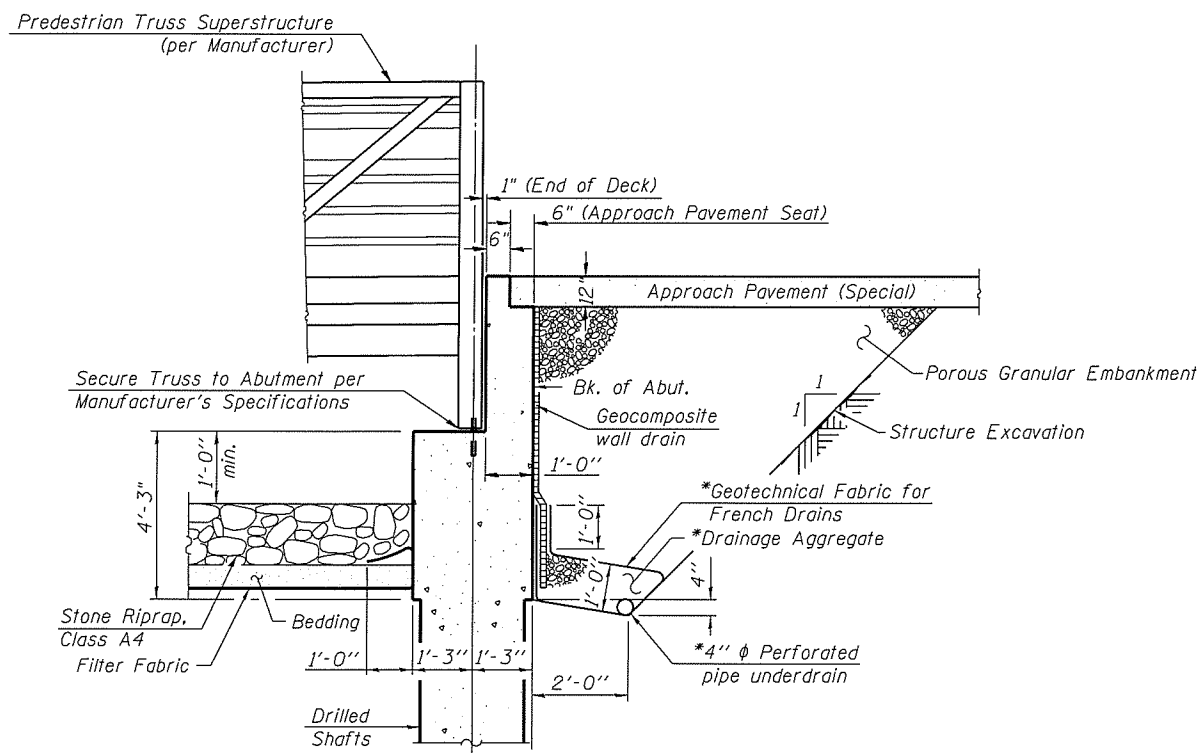
NAME PLATE
See Std. 515001

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GENERAL NOTES

No field welding is permitted except as specified in the contract documents.
 Reinforcement bars designated (E) shall be epoxy coated.
 Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
 Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
 If a portion of the drilled shaft is under water, reinforcement may be placed under water in forms. Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above the water line at the time of construction.

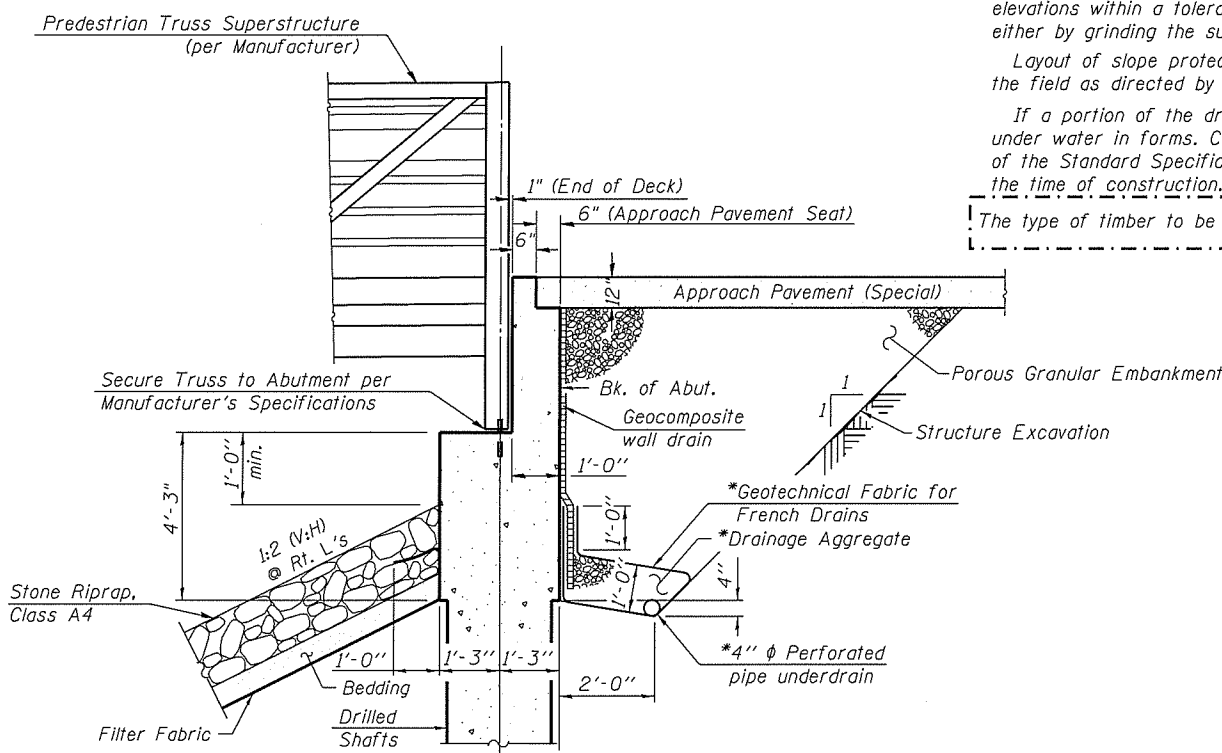
The type of timber to be used for the bridge deck shall be Treated, Douglas Fir.



SECTION THRU WEST ABUTMENT

*Included in the cost of Pipe Underdrains for Structures. (See Special Provisions)

Note:
 All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



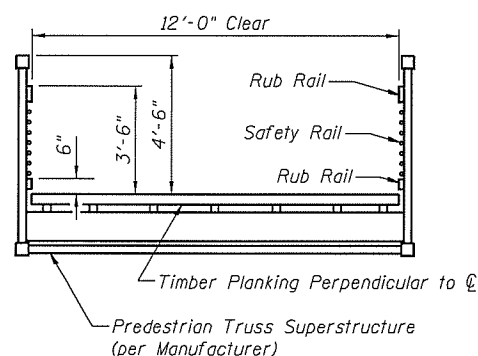
SECTION THRU EAST ABUTMENT

*Included in the cost of Pipe Underdrains for Structures. (See Special Provisions)

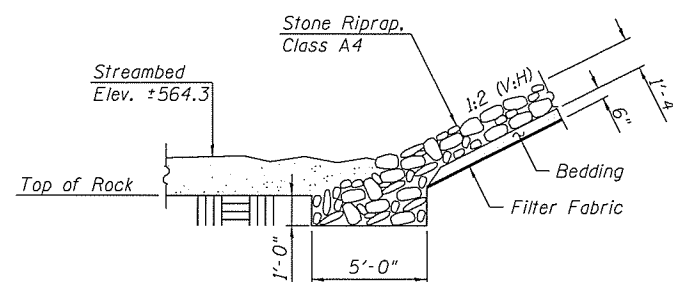
Note:
 All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu. Yd.		56	56
Stone Riprap, Class A4	Sq. Yd.		241	241
Filter Fabric	Sq. Yd.		241	241
Structure Excavation	Cu. Yd.		15	15
Concrete Structures	Cu. Yd.		23.2	23.2
Protective Coat	Sq. Yd.	34		34
Reinforcement Bars, Epoxy Coated	Pound		5720	5720
Name Plates	Each	1		1
Drilled Shaft in Soil	Cu. Yd.		4.3	4.3
Drilled Shaft in Rock	Cu. Yd.		1.6	1.6
Concrete Sealer	Sq. Ft.		272	272
Geocomposite Wall Drain	Sq. Yd.		40	40
Pipe Underdrains for Structures 4"	Foot		97	97
Pedestrian Truss Superstructure	Sq. Ft.	1234		1234
Pedestrian Rail (Special)	Foot	48		48
Bridge Approach Pavement (Special)	Sq. Yd.	34		34



CROSS SECTION
 (Looking East)

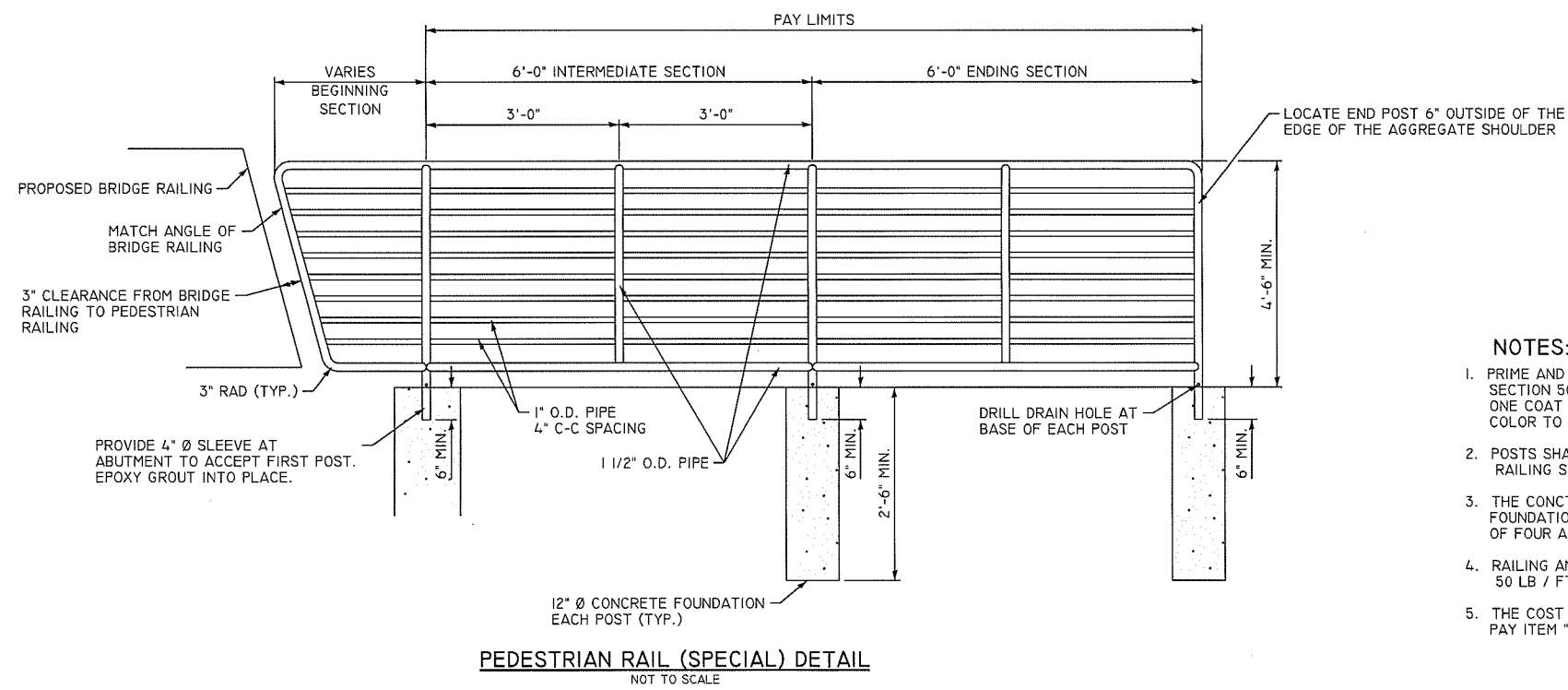


SECTION A-A

STATION 149+22.00
 BUILT 201_ BY
 QUINCY PARK DISTRICT
 SEC. 16-P4003-04-BT
 LOADING H-10
 STRUCTURE NO. 001-F003.3

NAME PLATE
 See Std. 515001

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- NOTES:**
1. PRIME AND PAINT ALL PEDESTRIAN RAILS IN ACCORDANCE WITH SECTION 506 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF ONE COAT OF PRIME AND TWO COATS OF PAINT IS REQUIRED. COLOR TO MATCH COLOR OF BRIDGE RAILING.
 2. POSTS SHALL BE EXTRA STRONG (SCHEDULE 80) PIPE. ALL OTHER RAILING SHALL BE STANDARD (SCHEDULE 40) OR STRONGER PIPE.
 3. THE CONTRACTOR MAY ALSO CONNECT THE RAILS TO THE CONCRETE FOUNDATION AND ABUTMENTS WITH FLANGE PLATES AND A MINIMUM OF FOUR ANCHOR BOLTS (MINIMUM DIAMETER OF 5/8 IN.).
 4. RAILING AND ANCHORING SHALL BE ABLE TO WITHSTAND A LOADING OF 50 LB / FT AND A 200 LB POINT LOAD.
 5. THE COST OF THE CONCRETE FOUNDATIONS SHALL BE INCLUDED IN THE PAY ITEM "PEDESTRIAN RAIL (SPECIAL)".

KLINGNER & ASSOCIATES, P.C.
 Engineers • Architects • Surveyors
 616 N. 24TH ST. QUINCY, ILLINOIS 62301 217.223.3670
 STATE OF ILLINOIS DESIGN FIRM NO. 184-2738

USER NAME = ebb	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/5/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MISCELLANEOUS DETAILS
 PEDESTRIAN RAIL (SPECIAL)**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-P4003-04-BT	ADAMS	122	75A
CONTRACT NO. 93711				
ILLINOIS FED. AID PROJECT				

Added 9/11/18