

GENERAL NOTES

- Reinforcement bars designated (E) shall be epoxy coated.
- Form liner textured surface shall be applied to the wingwalls, retaining walls and noise abatement walls. The finish shall consist of a rolled Ashlar Stone finish and shall have a minimum 0.75 in impression.
- The pattern produced on the exposed surfaces of the concrete wingwalls, retaining walls and the noise abatement walls shall be identical. The concrete stain applied to the surfaces of all of those items shall also be identical. The Contractor shall provide all necessary coordination and direction with its vendor manufacturing the noise abatement walls to assure the same concrete form liners and stain are used for them as those for the cast-in-place wingwalls and retaining walls.

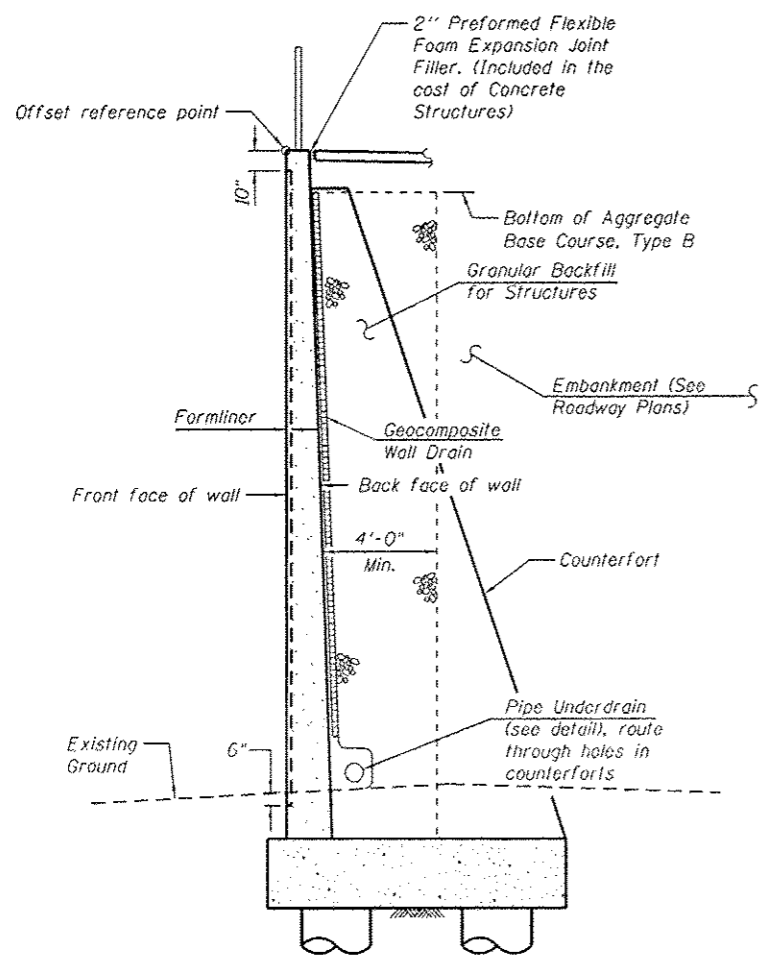
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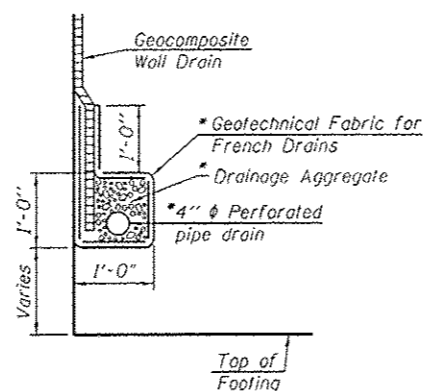
TOTAL BILL OF MATERIALS

Item	Unit	Total
Structure Excavation	Cu. Yd.	1,762
Concrete Structures	Cu. Yd.	1,220.8
Form Liner Textured Surface	Sq. Ft.	8,525
Stud Shear Connectors	Each	159
Reinforcement Bars	Pound	292,740
Reinforcement Bars, Epoxy Coated	Pound	174,600
Bicycle Railing, Special	Foot	592
Parapet Railing, Special	Foot	588
Name Plates	Each	1
Drilled Shaft in Soil	Cu. Yd.	1,182
Drilled Shaft in Rock	Cu. Yd.	25
Geocomposite Wall Drain	Sq. Yd.	975
Temporary Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	9,084
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	1,773
Granular Backfill for Structures	Cu. Yd.	1,368
Furnishing Soldier Piles (HP Section)	Foot	485
Temporary Sheet Piling	Sq. Ft.	-
Pipe Underdrains for Structures 4"	Foot	608
Staining Concrete Structures	Sq. Ft.	8,525

Note: Bill of Material shown for Retaining Wall quantities only. For Bridge Bill of Material, see Sheet S-6.

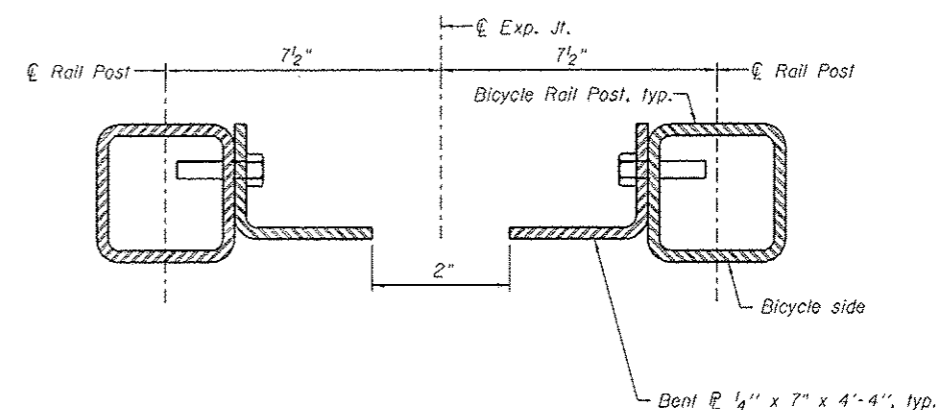


SECTION THRU RETAINING WALL



PIPE UNDERDRAIN DETAIL

*Included in the cost of Pipe Underdrains for Structures.



SECTION THRU BICYCLE RAILING POSTS AT EXPANSION JOINTS

For additional dimensions and details, see Sheet S-23 of the bridge plans.

2 Rev. Sheet 4-21-14



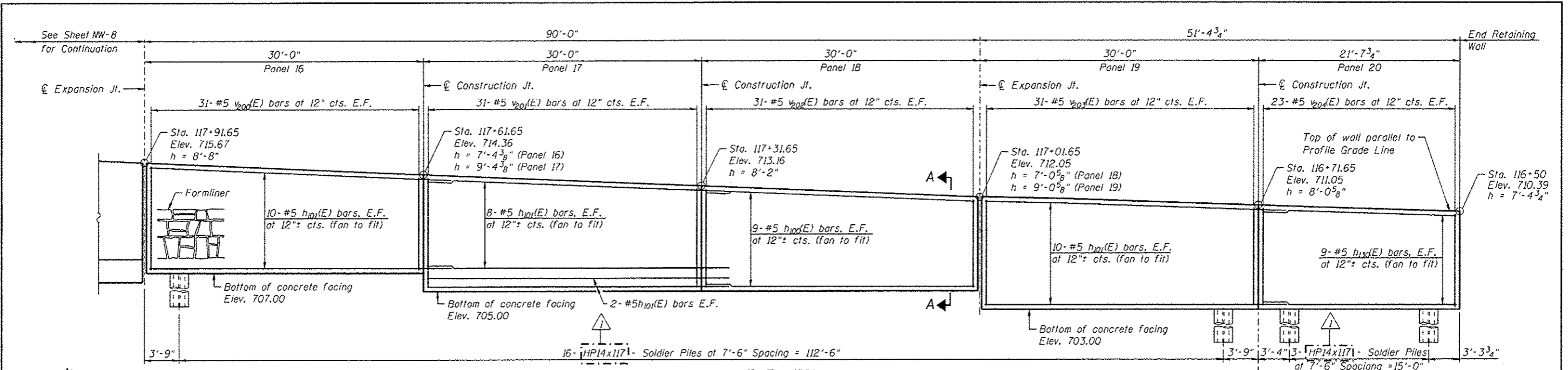
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	CHECKED - AMK	REVISED
PLOT SCALE :	DRAWN - BAR	REVISED
PLOT DATE : 03/19/2014	CHECKED - NPP	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

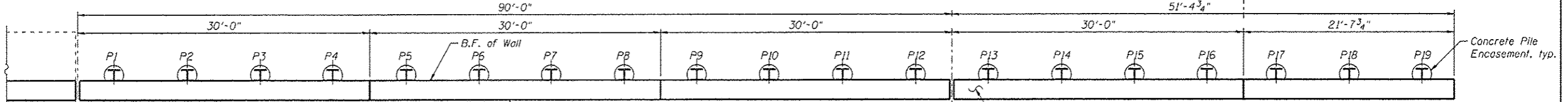
GENERAL NOTES, BILL OF MATERIALS, AND INDEX OF SHEETS
STRUCTURE NO. 022-W068

SHEET NO. NW-2 OF NW-16 SHEETS

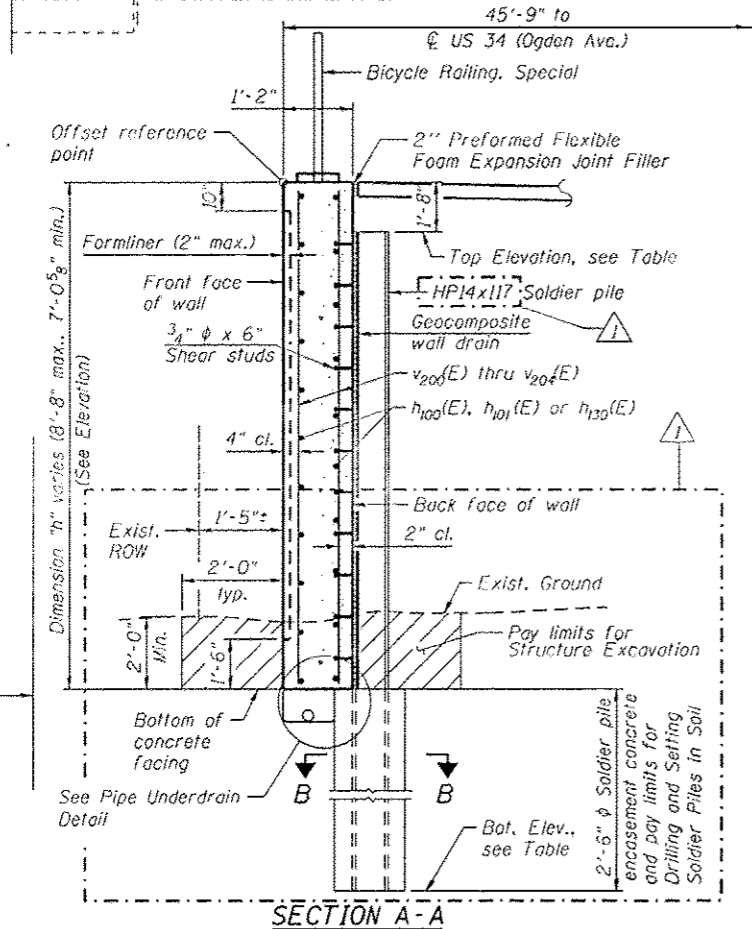
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				CONTRACT NO. 60R06
ILLINOIS FED. AID PROJECT				



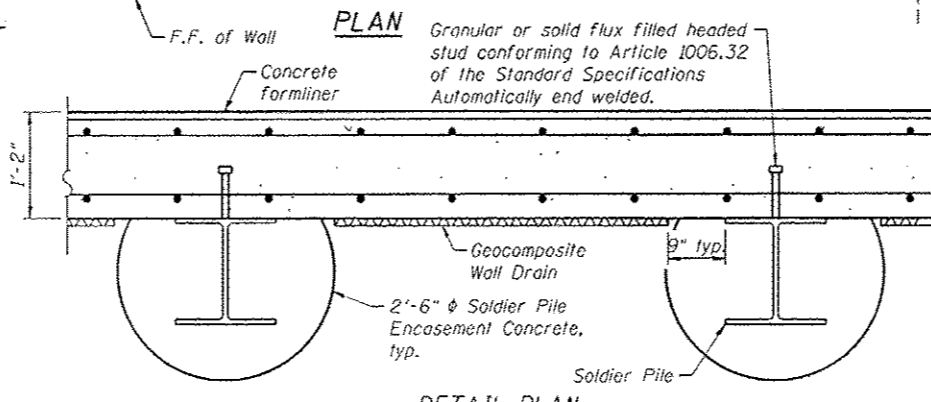
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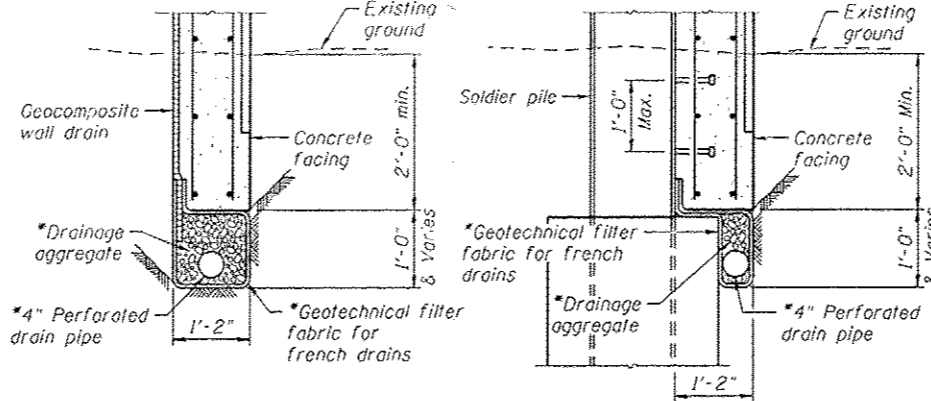
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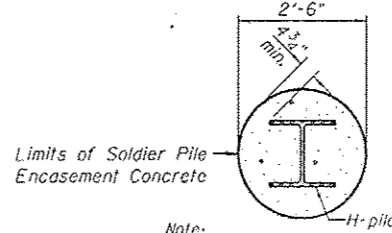
SECTION A-A



DETAIL PLAN



BETWEEN SOLDIER PILES
AT SOLDIER PILES
PIPE UNDERDRAIN DETAIL



Limits of Soldier Pile Encasement Concrete

Note:
Forms for encasement may be omitted when soil conditions permit.

SECTION B-B

PILE DATA				
Pile No.	Top Elev.	Bottom Elev.	Length Ft.	No. of Studs
P1	713.83	677.99	35'-10"	12
P2	713.49	678.66	34'-10"	11
P3	713.17	679.25	33'-11"	11
P4	712.85	679.93	32'-11"	11
P5	712.54	680.54	32'-0"	11
P6	712.23	681.14	31'-1"	10
P7	711.93	681.76	30'-2"	10
P8	711.63	682.38	29'-3"	10
P9	711.34	682.93	28'-5"	9
P10	711.06	683.48	27'-7"	9
P11	710.79	684.04	23'-9"	8
P12	710.52	684.60	22'-11"	8
P13	710.25	685.19	22'-2"	7
P14	710.00	685.66	21'-4"	7
P15	709.74	692.16	17'-7"	6
P16	709.50	692.67	16'-10"	5
P17	709.27	693.11	16'-2"	5
P18	709.04	693.54	15'-6"	5
P19	708.82	696.98	11'-10"	4

MINIMUM BAR LAP
#5 Bar = 2'-11"

NOTES:
1. F.F. - Denotes Front Face
B.F. - Denotes Back Face
E.F. - Denotes Each Face

Rev. Sheet 4-21-14



USER NAME	DESIGNED - KMP	REVISED - 04/11/2014 A.M.K.
PLLOT SCALE	CHECKED - NPP	REVISED
PLLOT DATE = 03/19/2014	DRAWN - BAR	REVISED
	CHECKED - NPP	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL PLAN AND ELEVATION 6
STRUCTURE NO. 022-W068

SHEET NO. NW-9 OF NW-16 SHEETS

F.A.P. RTE. 311	SECTION 652-A	COUNTY DUPAGE	TOTAL SHEETS 383	SHEET NO. 225
CONTRACT NO. 60R06			ILLINOIS FED. AID PROJECT	

GENERAL NOTES

- Reinforcement bars designated (E) shall be epoxy coated.
- Form liner textured surface shall be applied to the wingwalls, retaining walls and noise abatement walls. The finish shall consist of a rolled Ashlar Stone finish and shall have a minimum 0.75 in impression.
- The pattern produced on the exposed surfaces of the concrete wingwalls, retaining walls and the noise abatement walls shall be identical. The concrete stain applied to the surfaces of all of those items shall also be identical. The Contractor shall provide all necessary coordination and direction with its vendor manufacturing the noise abatement walls to assure the same concrete form liners and stain are used for them as those for the cast-in-place wingwalls and retaining walls.

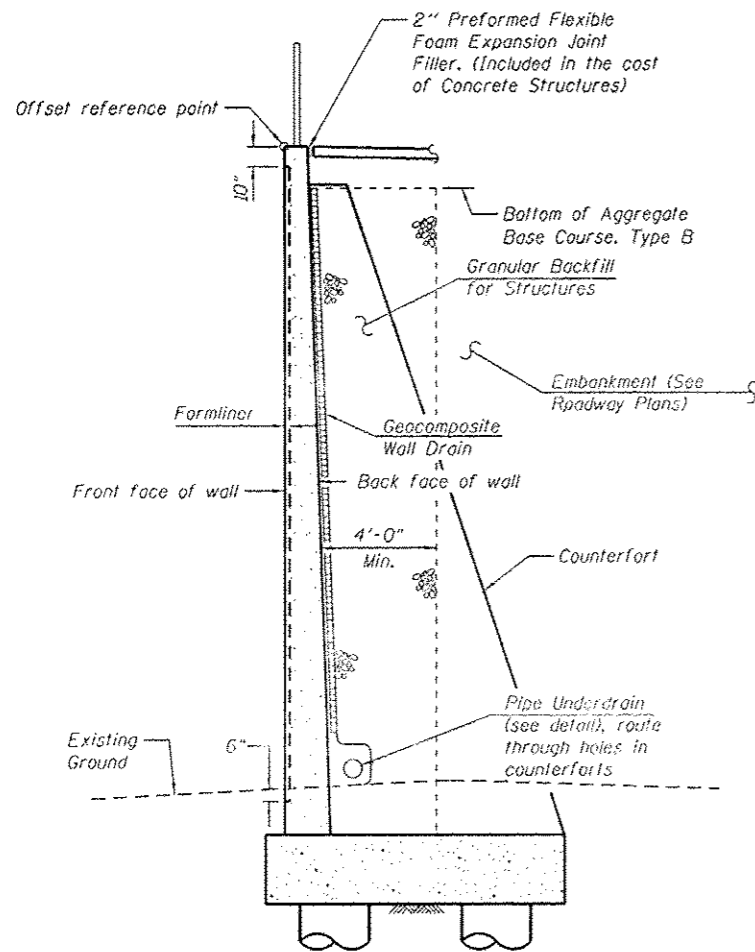
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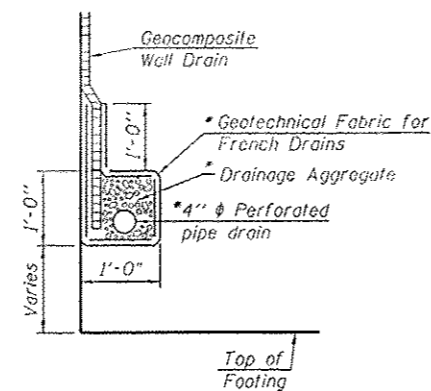
TOTAL BILL OF MATERIALS

Item	Unit	Total
Structure Excavation	Cu. Yd.	1,324
Concrete Structures	Cu. Yd.	1,114.1
Form Liner Textured Surface	Sq. Ft.	7,278
Stud Shear Connectors	Each	173
Reinforcement Bars	Pound	217,310
Reinforcement Bars, Epoxy Coated	Pound	159,810
Bicycle Railing, Special	Foot	550
Parapet Railing, Special	Foot	556
Name Plates	Each	1
Drilled Shaft in Soil	Cu. Yd.	970
Drilled Shaft in Rock	Cu. Yd.	23
Geocomposite Wall Drain	Sq. Yd.	870
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	1,728
Granular Backfill for Structures	Cu. Yd.	1,352
Furnishing Soldier Piles (HP Section)	Foot	506
Temporary Sheet Piling	Sq. Ft.	7,554
Pipe Underdrains for Structures 4"	Foot	591
Staining Concrete Structures	Sq. Ft.	7,278

Note: Bill of Material shown for Retaining Wall quantities only. For Bridge Bill of Material, see Sheet S-6.



SECTION THRU RETAINING WALL

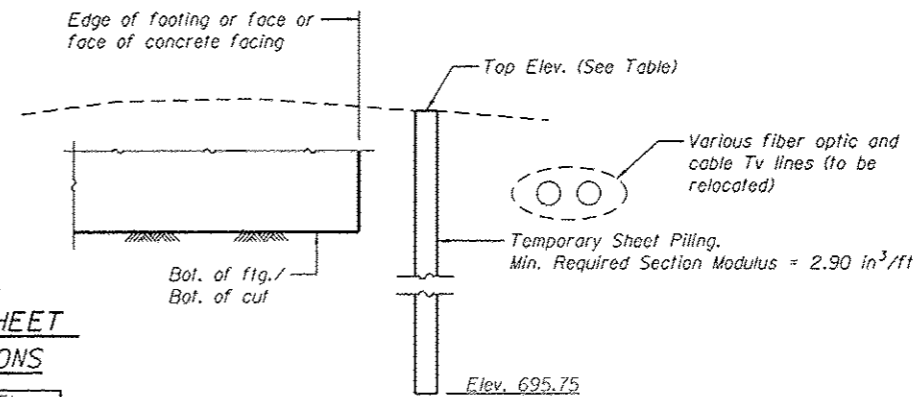


PIPE UNDERDRAIN DETAIL

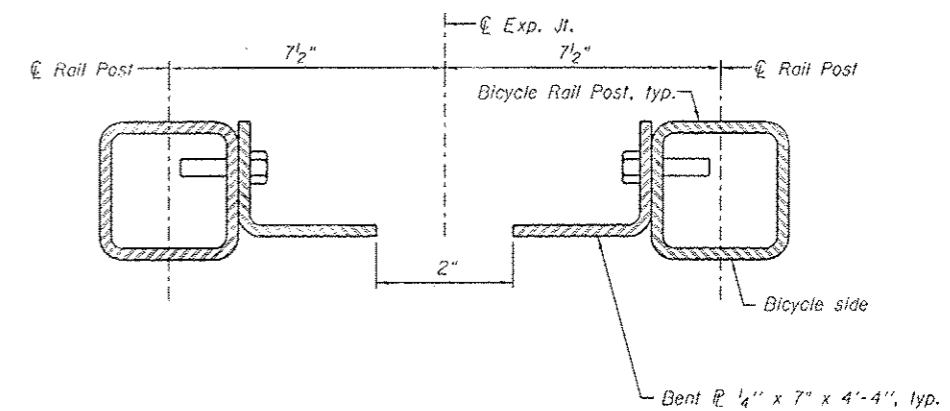
*Included in the cost of Pipe Underdrains for Structures.

TOP OF TEMP SHEET PILE ELEVATIONS

Sta.	Top Elev.
116+50.00	704.60
118+50.00	709.50
122+35.00	709.50



TEMPORARY SHEET PILING (Looking East)



SECTION THRU BICYCLE RAILING POSTS AT EXPANSION JOINTS

For additional dimensions and details, see Sheet S-23 of the bridge plans.

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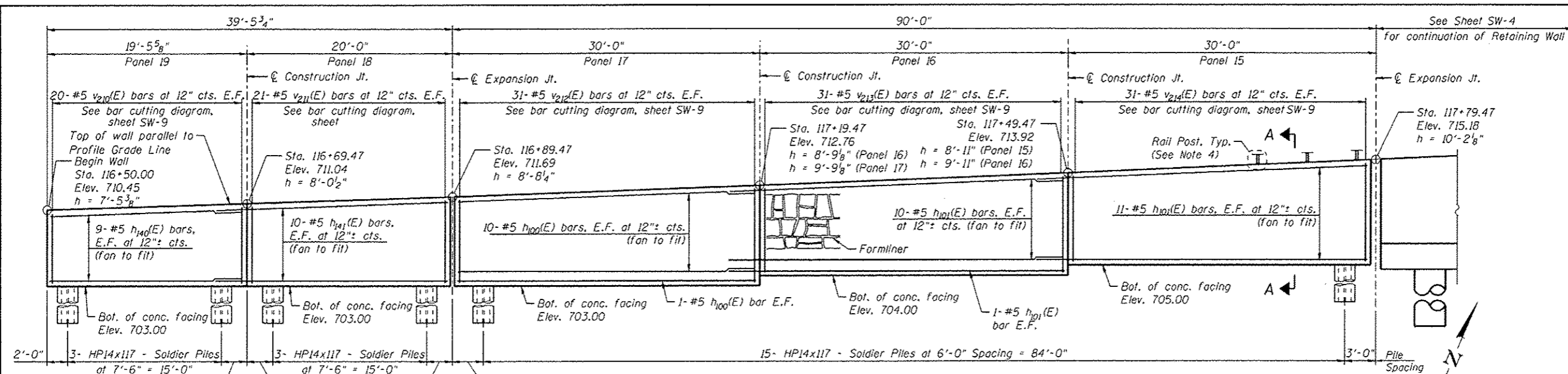
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PLOT DATE : 03/19/2014	CHECKED - NPP	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

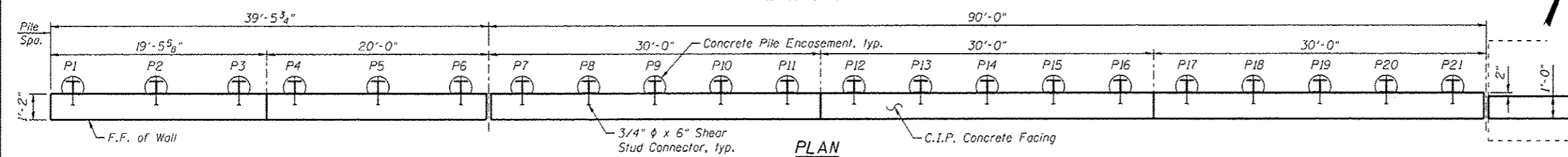
GENERAL NOTES, BILL OF MATERIALS, AND INDEX OF SHEETS
STRUCTURE NO. 022-W069

SHEET NO. SW-2 OF SW-15 SHEETS

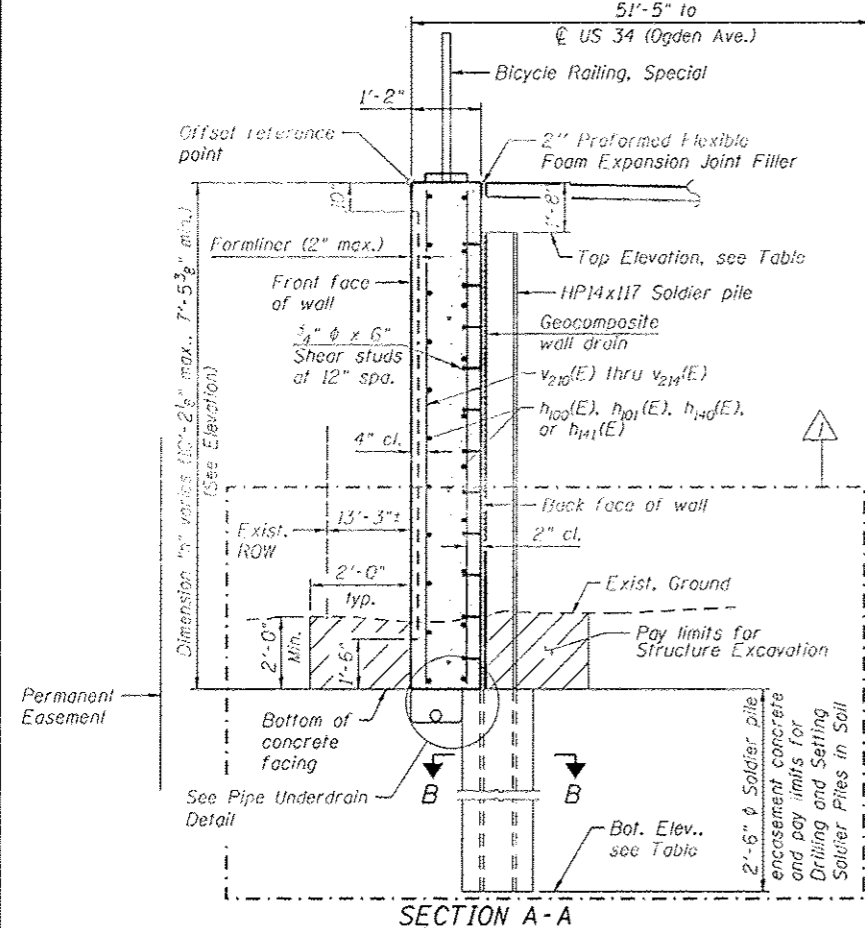
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 6D006	



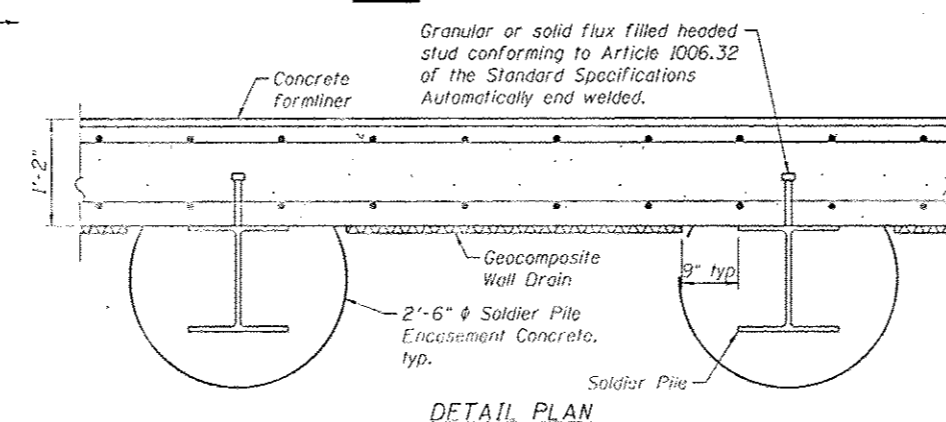
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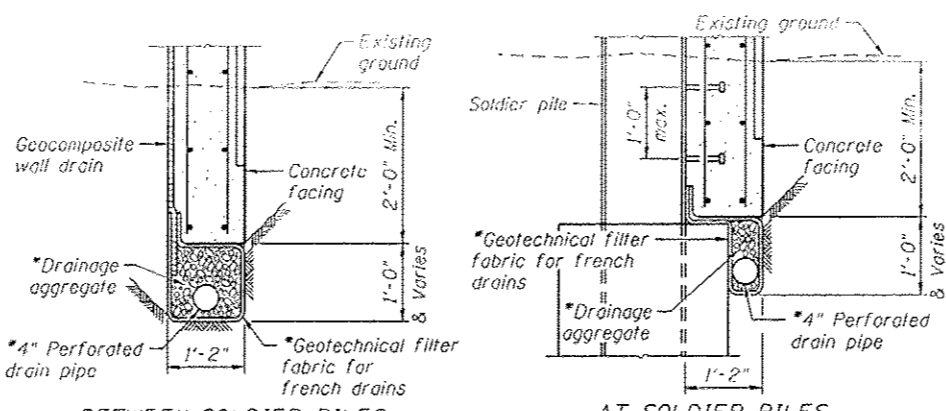
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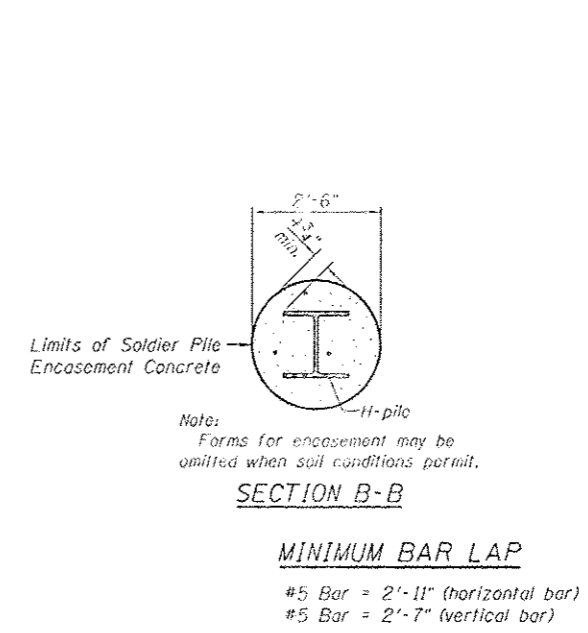
SECTION A-A



DETAIL PLAN



PIPE UNDERDRAIN DETAIL



SECTION B-B
MINIMUM BAR LAP

PILE DATA

Pile No.	Top Elev.	Bottom Elev.	Length Ft.	No. of Studs
P1	708.84	686.92	21'-11"	7
P2	709.06	686.98	22'-1"	7
P3	709.29	686.96	22'-4"	7
P4	709.45	686.95	22'-6"	7
P5	709.69	686.94	22'-9"	8
P6	709.94	686.94	23'-0"	8
P7	710.12	685.96	24'-2"	8
P8	710.33	686.00	24'-4"	8
P9	710.54	685.96	24'-7"	9
P10	710.76	685.92	24'-10"	9
P11	710.98	685.98	25'-0"	9
P12	711.20	686.95	24'-3"	8
P13	711.42	686.92	24'-6"	8
P14	711.66	686.99	24'-8"	9
P15	711.89	686.97	24'-11"	9
P16	712.13	686.96	25'-2"	9
P17	712.37	687.95	24'-5"	8
P18	712.62	687.95	24'-8"	9
P19	712.87	687.95	24'-11"	9
P20	713.12	687.96	25'-2"	9
P21	713.38	687.97	25'-5"	9

NOTES:

1. F.F. - Denotes Front Face
B.F. - Denotes Back Face
E.F. - Denotes Each Face
2. See Sheet SW-2 for Bill of Material.
3. See Sheet SW-9 for Bar Bending and Cutting Diagrams, Bill of Bars, Concrete Construction Joint, and Expansion Joint details.
4. For Bicycle Railing post location spacing see General Plan and Elevation Sheet.
5. All structural steel shall conform to the requirements of AASHTO M270 grade 50.

Rev. Sheet 4-21-14



USER NAME :	DESIGNED - KMP	REVISED - 04/11/2014 A.M.X.
PLOT SCALE :	CHECKED - AMX	REVISED
PLOT DATE : 03/19/2014	DRAWN - STB	REVISED
	CHECKED - MAD	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL PLAN AND ELEVATION 1
STRUCTURE NO. 022-W069
SHEET NO. SW-3 OF SW-15 SHEETS

F.A.P. RTE. 311	SECTION 652-A	COUNTY OUPAGE	TOTAL SHEETS 383	SHEET NO. 235
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R06	

GENERAL NOTES

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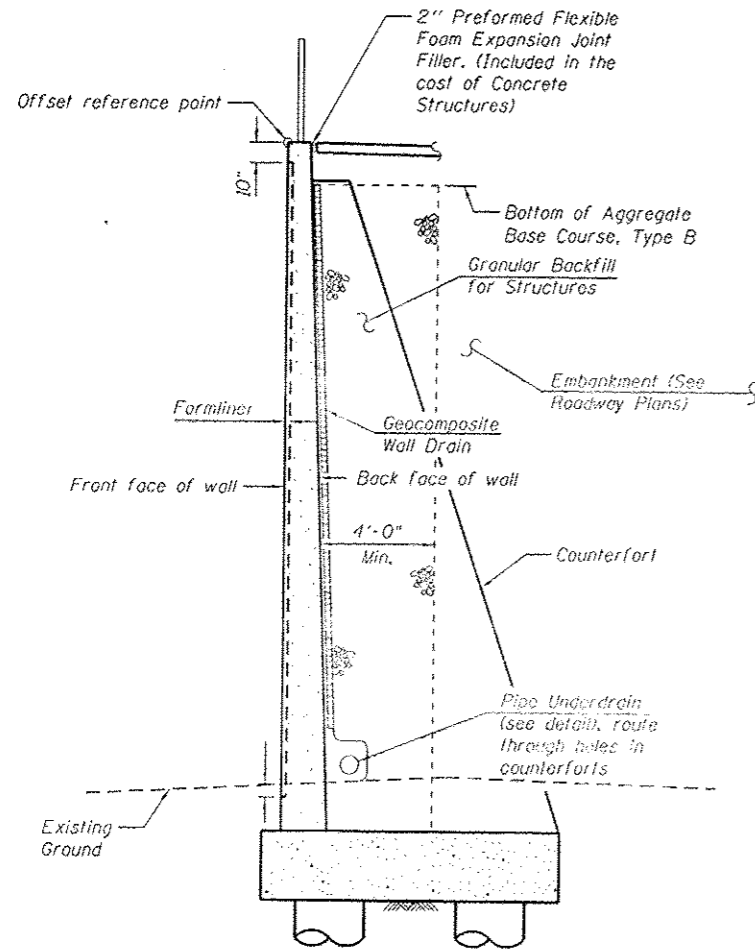
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- NE-16 Soil Borings 5
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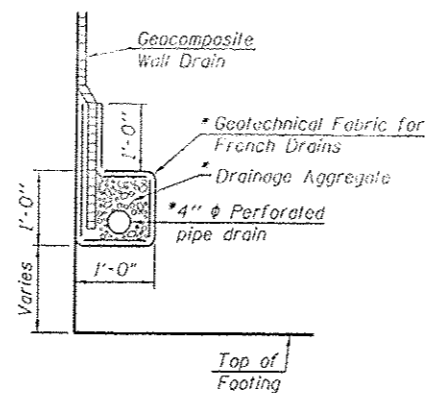
TOTAL BILL OF MATERIALS

Item	Unit	Total
Structure Excavation	Cu. Yd.	1,849
Concrete Structures	Cu. Yd.	1543.2
Form Liner Textured Surface	Sq. Ft.	10,116
Stud Shear Connectors	Each	144
Reinforcement Bars	Pound	327,690
Reinforcement Bars, Epoxy Coated	Pound	212,070
Bicycle Railing, Special	Foot	657
Parapet Railing, Special	Foot	600
Name Plates	Each	1
Drilled Shaft in Soil	Cu. Yd.	1,373
Drilled Shaft in Rock	Cu. Yd.	41
Geocomposite Wall Drain	Sq. Yd.	1,184
Temporary Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	11,575
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	1,555
Granular Backfill for Structures	Cu. Yd.	1,728
Furnishing Soldier Piles (HP Section)	Foot	440
Pipe Underdrains for Structures 4"	Foot	604
Staining Concrete Structures	Sq. Ft.	10,116

Note: Bill of Material shown for Retaining Wall quantities only. For Bridge Bill of Material, see Sheet S-6.

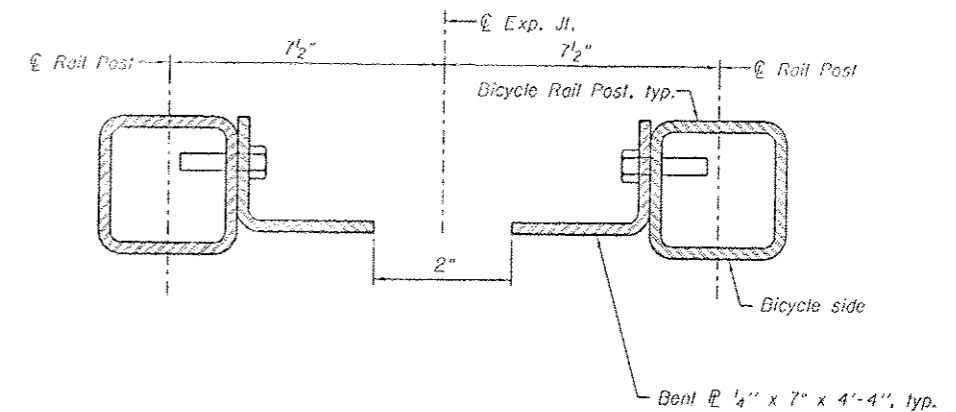


SECTION THRU RETAINING WALL



PIPE UNDERDRAIN DETAIL

*Included in the cost of Pipe Underdrains for Structures.



SECTION THRU BICYCLE RAILING POSTS AT EXPANSION JOINTS

For additional dimensions and details, see Sheet S-23 of the bridge plans.

2 Rev. sheet 4-21-14



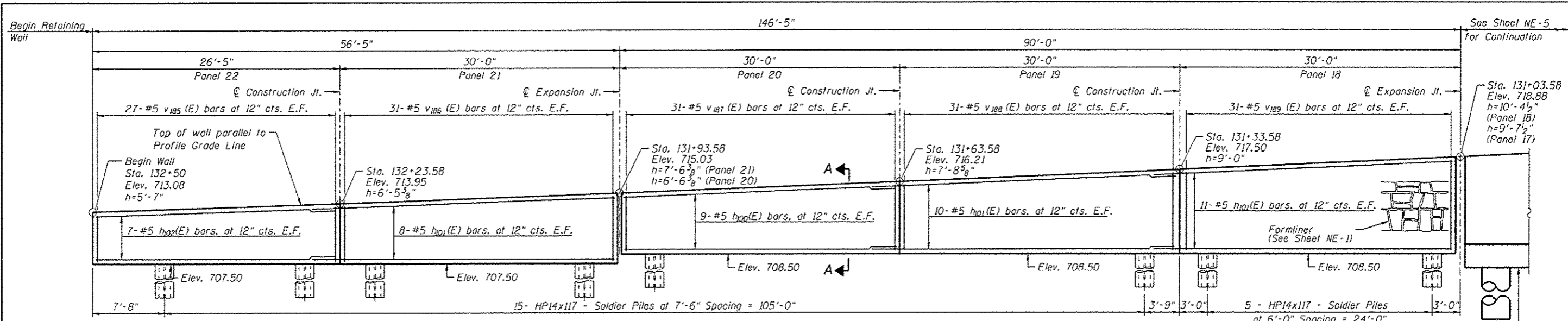
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	CHECKED - AMK	REVISED
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PLDT DATE - 03/14/2014	CHECKED - AMK	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

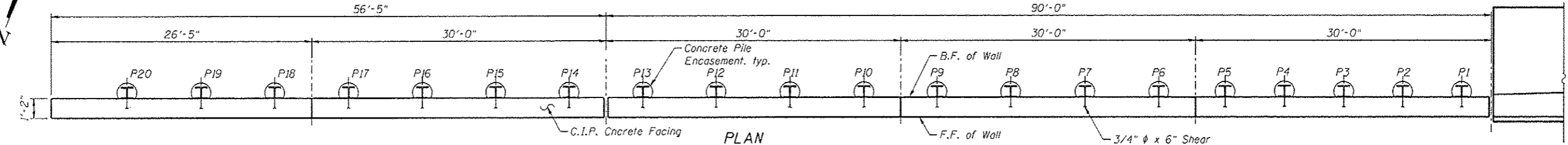
GENERAL NOTES, BILL OF MATERIALS, AND INDEX OF SHEETS
STRUCTURE NO. 022-W070

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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SHEET NO. NE-2 OF NE-18 SHEETS			CONTRACT NO. 60R06	

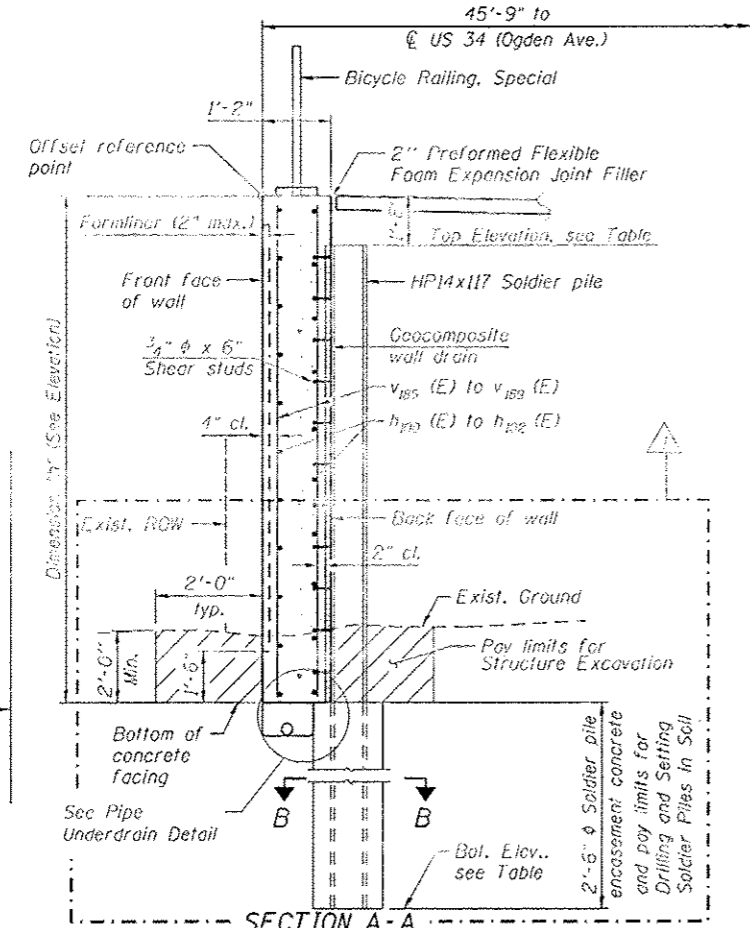
ILLINOIS FED. AID PROJECT



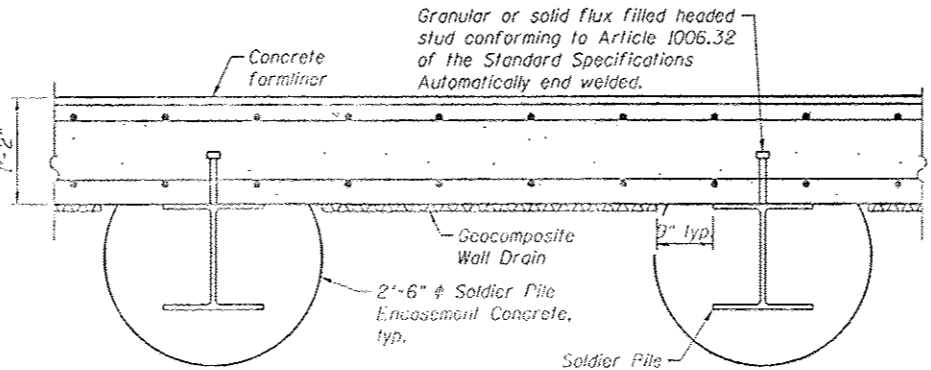
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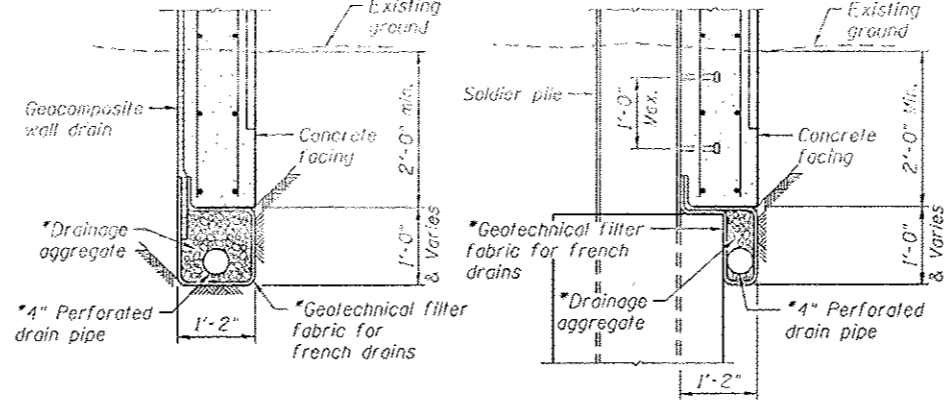
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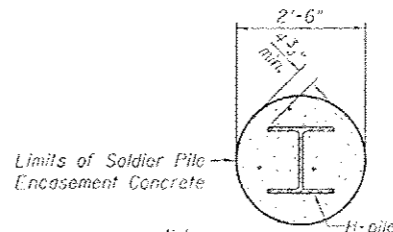
SECTION A-A



DETAIL PLAN



BETWEEN SOLDIER PILES **AT SOLDIER PILES**
PIPE UNDERDRAIN DETAIL



SECTION B-B

PILE DATA

Pile No.	Top Elev.	Bottom Elev.	Length Ft.	No. of Studs
P1	717.07	687.98	29'-1"	10
P2	716.79	688.54	28'-3"	9
P3	716.51	689.09	27'-5"	9
P4	716.23	689.65	26'-7"	9
P5	715.96	690.21	25'-9"	8
P6	715.66	690.83	24'-10"	8
P7	715.34	691.42	23'-11"	8
P8	715.02	692.10	22'-11"	8
P9	714.70	692.70	22'-0"	7
P10	714.39	693.31	21'-1"	7
P11	714.09	693.93	20'-2"	7
P12	713.80	694.55	19'-3"	6
P13	713.51	692.09	21'-5"	7
P14	713.23	692.64	20'-7"	7
P15	712.95	693.20	19'-9"	6
P16	712.68	693.76	18'-11"	6
P17	712.41	694.33	18'-1"	6
P18	712.16	694.82	17'-4"	6
P19	711.90	695.32	16'-7"	5
P20	711.66	695.82	15'-10"	5

MINIMUM BAR LAP

#5 Bar = 2'-11"

NOTES:

1. F.F. - Denotes Front Face
B.F. - Denotes Back Face
E.F. - Denotes Each Face
2. See Sheet NE-11 for Bill of Material.
3. See Sheet NE-11 for Bar Bending Diagrams, Bill of Bars, Concrete Construction Joint, and Expansion Joint details.
4. For Bicycle Railing post location spacing see General Plan and Elevation Sheet.
5. All structural steel shall conform to the requirements of AASHTO M270 grade 50.
6. Reinforcement bars designated (E) shall be epoxy coated.



USER NAME	DESIGNED - KMP	REVISION - 04/11/2014 A.M.K.
PLOT SCALE	CHECKED - AMK	REVISION
PLOT DATE - 03/19/2014	DRAWN - KJZ	REVISION
	CHECKED - NPP	REVISION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL PLAN AND ELEVATION 1
STRUCTURE NO. 022-W070

SHEET NO. NE-4 OF NE-18 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	652-A	DUPAGE	383	251
				CONTRACT NO. 60R06
ILLINOIS FED. AID PROJECT				

2 Rev. Sheet 4-21-14