

PUBLIC NOTICE

US Army
Corps
of Engineers
Baltimore
District

In Reply to Application Number
**CENAB-OP-RPA(HYNDMAN BOROUGH FLOOD
PROTECTION PROJECT)04-00193-6**

Comment Period: July 7, 2005 to July 22, 2005

THE PURPOSE OF THIS PUBLIC NOTICE IS TO SOLICIT COMMENTS FROM THE PUBLIC REGARDING THE WORK DESCRIBED BELOW. NO DECISION HAS BEEN MADE AS TO WHETHER OR NOT A PERMIT WILL BE ISSUED AT THIS TIME.

This District has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. 1344) as described below:

APPLICANT: *Bob Sahi*
PA Department of General Services
Bureau of Engineering and Architecture
18th and Herr Street
HARRISBURG, PA 17125

LOCATION: *Wills Creek, Hyndman Borough, Bedford County, Pennsylvania*

WORK: Discharge clean fill, to be placed below the ordinary high water of Wills Creek, for the purpose of constructing a flood control levee. The proposed project will result in permanent impacts to approximately 1.58 acre of waters of the U.S. (1.02 acre to Wills Creek and unnamed tributary and 0.56 acre of palustrine emergent wetland. The applicant proposes creation of 1.02 acre of palustrine emergent wetland, the removal of abutments associated with an existing rail road crossing and the replacement of the affected back-water channel as mitigation for the impacts resulting from this project.

All work will be completed in accordance with the enclosed plans. If you have any questions concerning this matter, please contact Mrs. Deborah Nizer at (410) 962-6085.

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonable may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production, and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. Written comments concerning the work described above related to the factors listed above or other pertinent factors must be received by the District Engineer, U.S. Army Corps of Engineers, Baltimore District, P.O. Box 1715, Baltimore, Maryland 21203-1715, within the comment period specified above.

The applicant is required to obtain a water quality certification in accordance with Section 401 of the Clean Water Act from the Pennsylvania Department of Environmental Protection through the issuance of a Section 105 permit or through direct application to the Regional Office in the area of the proposed project. The Section 401 certifying

agency has a statutory limit of one year in which to make its decision.

The applicant must obtain any State or local government permits which may be required.

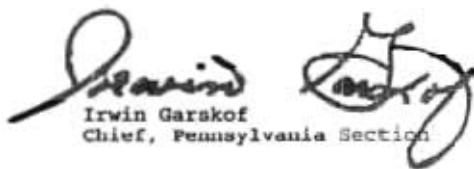
A preliminary review of this application indicates that the proposed work will not affect Federal listed threatened or endangered species or their critical habitat, pursuant to Section 7 of the Endangered Species Act, as amended. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

Review of the latest published version of the National Register of Historic Places indicates that there are no registered properties listed as eligible for inclusion, therein, are located at the site of the proposed work. Currently unknown archeological, scientific, prehistoric, or historical data may be lost or destroyed by the work to be accomplished under the requested permit.

The evaluation of the impact of this project on the public interest will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 of the Clean Water Act. Any person who has an interest which may be adversely affected by the issuance of this permit may request a public hearing. The request, which must be in writing, must be received by the District Engineer, U.S. Army Corps of Engineers, Baltimore District, P.O. Box 1715, Baltimore, Maryland 21203-1715, within the comment period as specified above to receive consideration. Also it must clearly set forth the interest which may be adversely affected by this activity and the manner in which the interest may be adversely affected.

It is requested that you communicate this information concerning the proposed work to any persons known by you to be interested and not being known to this office, who did not receive a copy of this notice.

FOR THE DISTRICT ENGINEER:



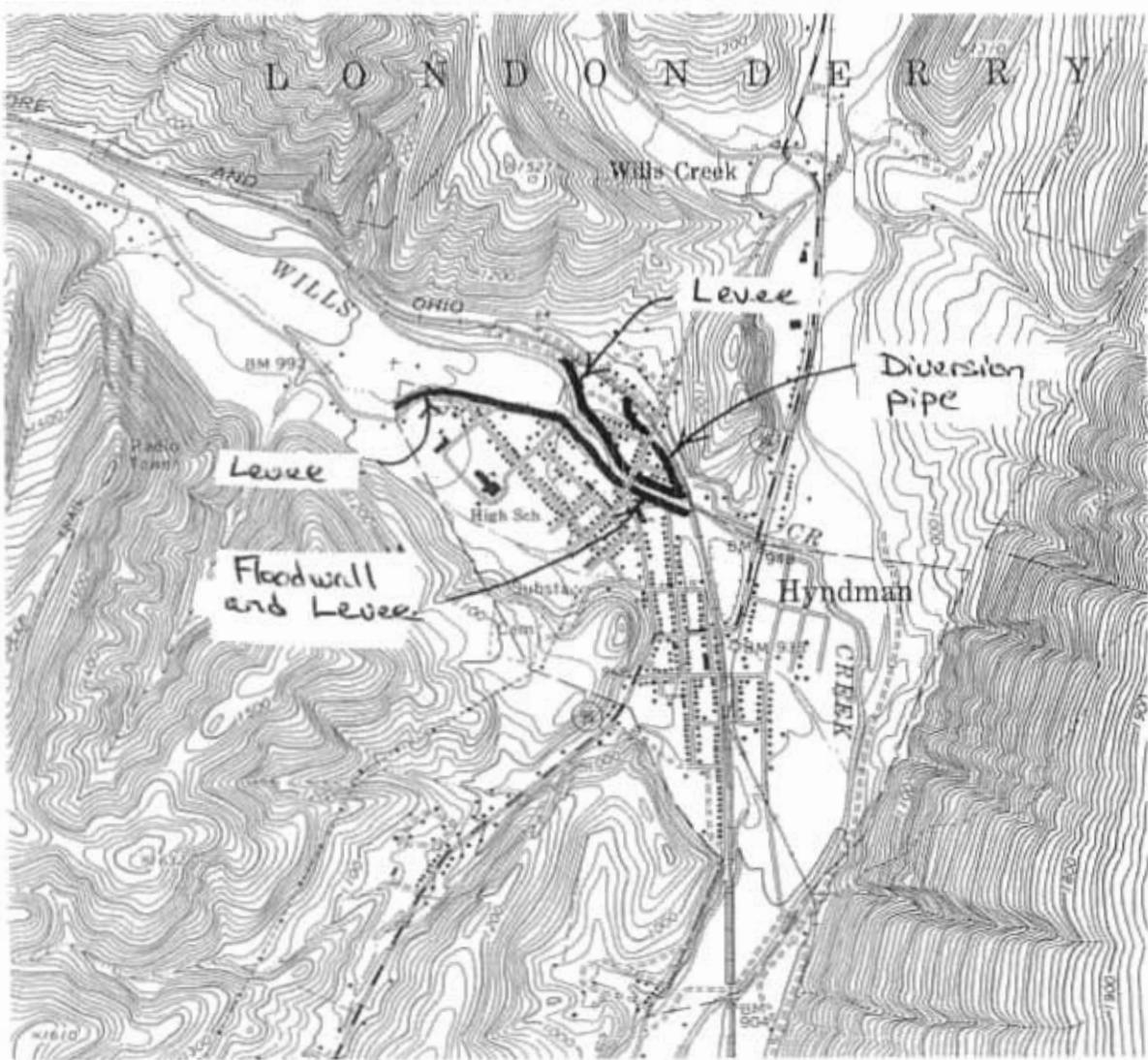
Irwin Garskof
Chief, Pennsylvania Section

Project Description

The proposed flood protection project consists primarily of levee construction along Wills Creek. Secondary features include minor wall capping; bridge and pier removal; back channel excavation and construction of storm-water diversion pipes.

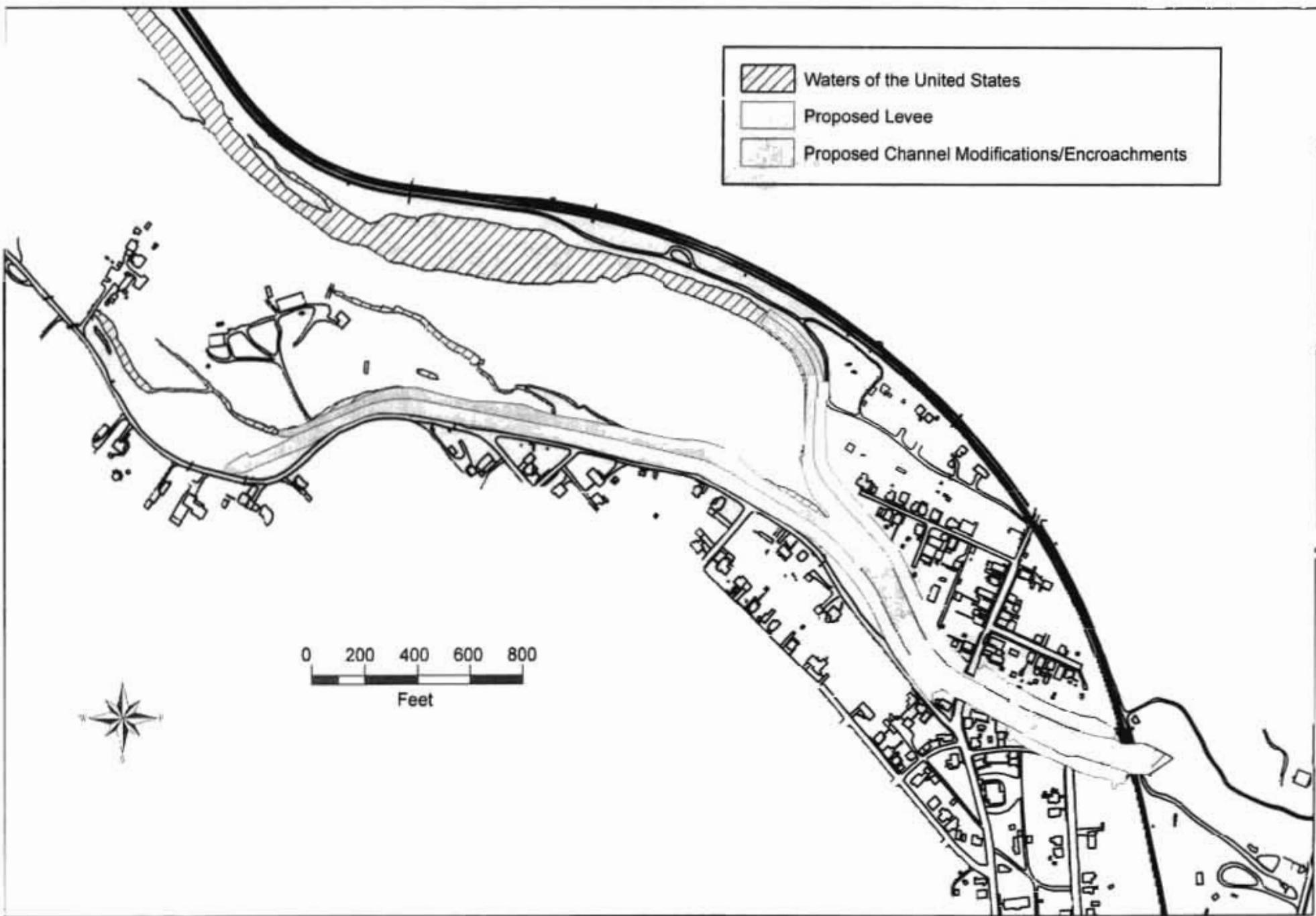
The total length of levee is approximately 5,500 linear feet. The estimated total volume of rolled embankment is 61,000 cubic yards. The wall capping (< 2ft) is to provide for freeboard and is approximately 250 linear feet. The storm-water diversion pipe totals approximately 1450 linear feet and is located behind the levee on the left bank.

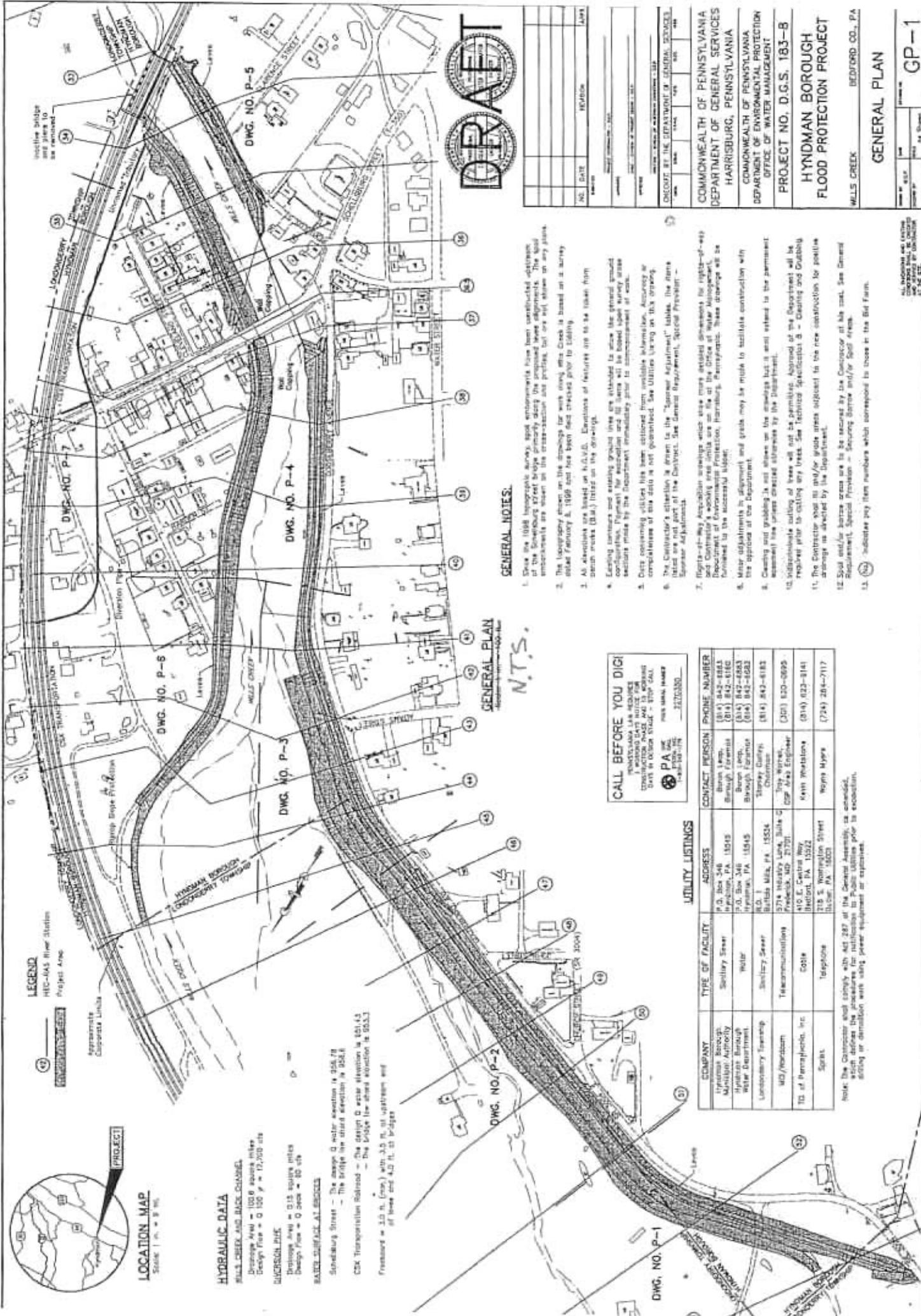
The purpose of the project is to protect public health, safety and property by eliminating flooding along the Wills Creek and through Hyndman Borough. The project must be built along the Wills Creek to contain the 100-year flood event.

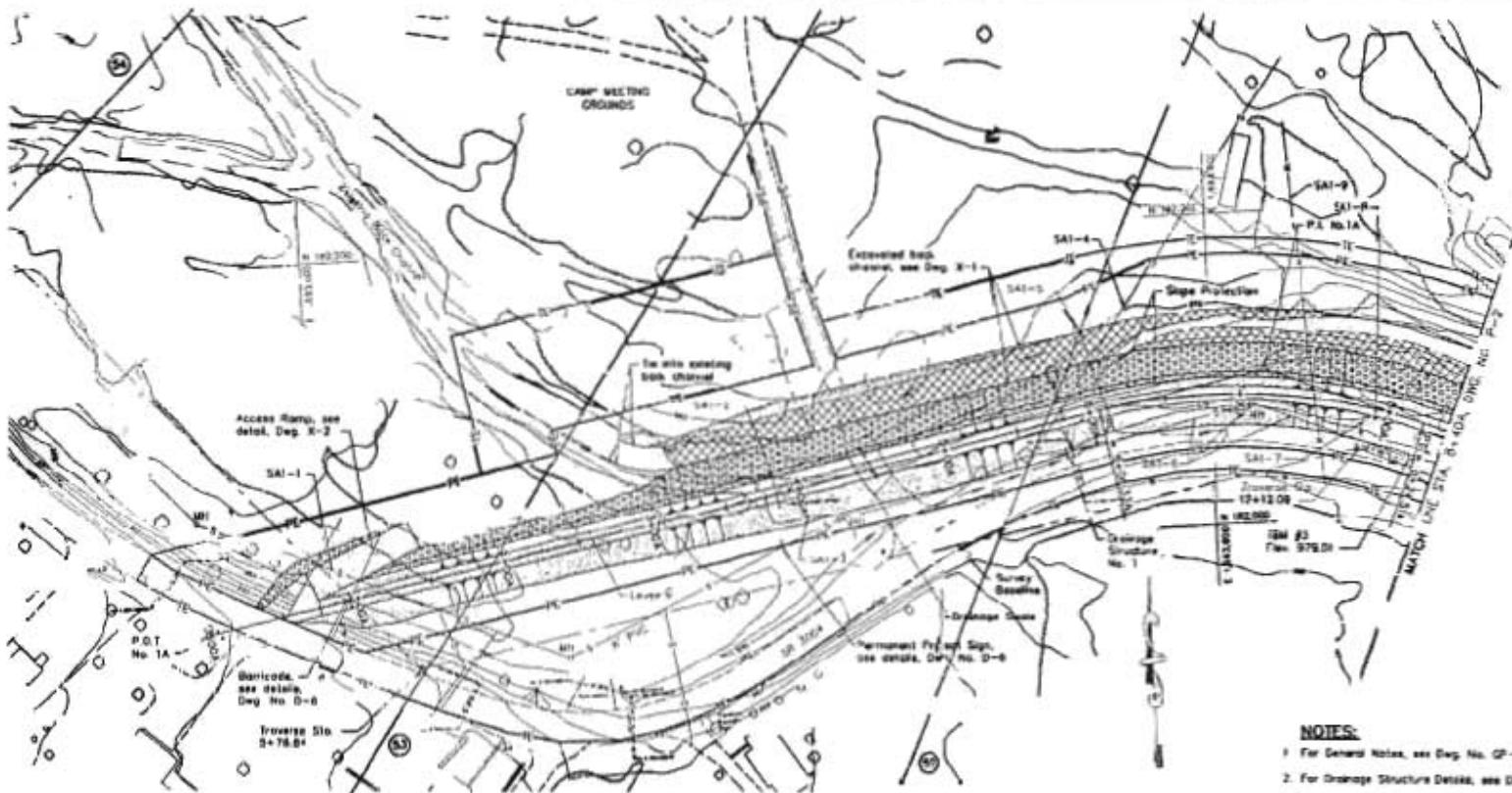


LOCATION MAP
Scale: 1 inch = 2000 feet
From the USGS quad "Hyndman"

Figure 5 Proposed Project.







SPONSOR ADJUSTMENTS

No.	Description	Location	Station	Offset	Adjustment Required
SAT-1	8" dia. PVC sewer	10' below grade	+70A		Excavate in concrete under levee
SAT-2	4" dia. PVC pipe	10' below grade	+80A	LL	Excavate and install trap pipe
SAT-3	Utility pole	10' below grade	+90A	RR	Relocate
SAT-4	Rebar intact	10' below grade	+90B		Excavate in concrete under levee
SAT-5	Utility pole and guy wires	10' below grade	+90A	LL	Relocate
SAT-6	Wrecks and 8" dia. PVC sewer	8' above to 7'-70A	8E		Excavate or relocate wrecks and enclosure in concrete under levee
SAT-7	Guy wire	7'-70A	8E		Relocate
SAT-8	Utility pole	7'-70A	8E		Relocate
SAT-9	1/4" Gal. water line and valve boxes	7'-70A			Excavate in concrete under levee, relocate valve boxes

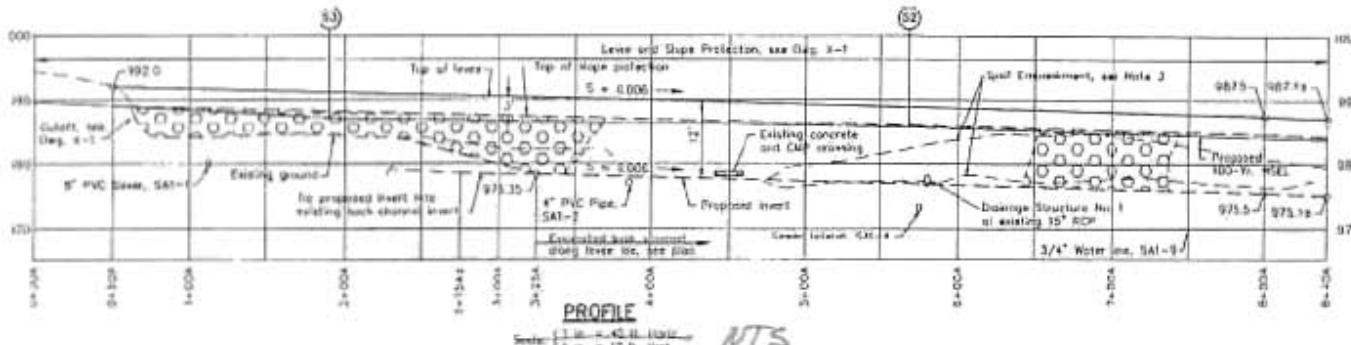
PLAN

Session 18 - 2009-10

NTS

CONTRACTOR ADJUSTMENTS

Description	Location		Adjustment Required
	Station	Street	



A pie chart with four segments representing survey results:

- Healthcare: 35%
- Job creation: 25%
- Foreign policy: 20%
- Environment: 10%

TRaverse Station References

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P.O.T. NO. 1A

CURVE NO. 1A

N 181,863.00	P.L. Inv. 1A	N 152,094.00
E 1,691,929.50		E 1,094,525.00
Slo. C-00A		

TRAVERSE DATA

Traverse Station	Coordinates	
	North	East
S-1884	18° 53' 34"	693,068.37
S-1885	18° 53' 34"	693,068.37

BENCH MARK DATA

SM No.	Elevation	Location
SM #3	929.01	" cut in side of sewer mainline, near traverse



NOTES.

1. For General Notes, see Dwg. No. GP-1.
 2. For Drainage Structure Details, see Dwg. No. D-1.
 3. Remove soil embankment if grade approved
by the engineer.

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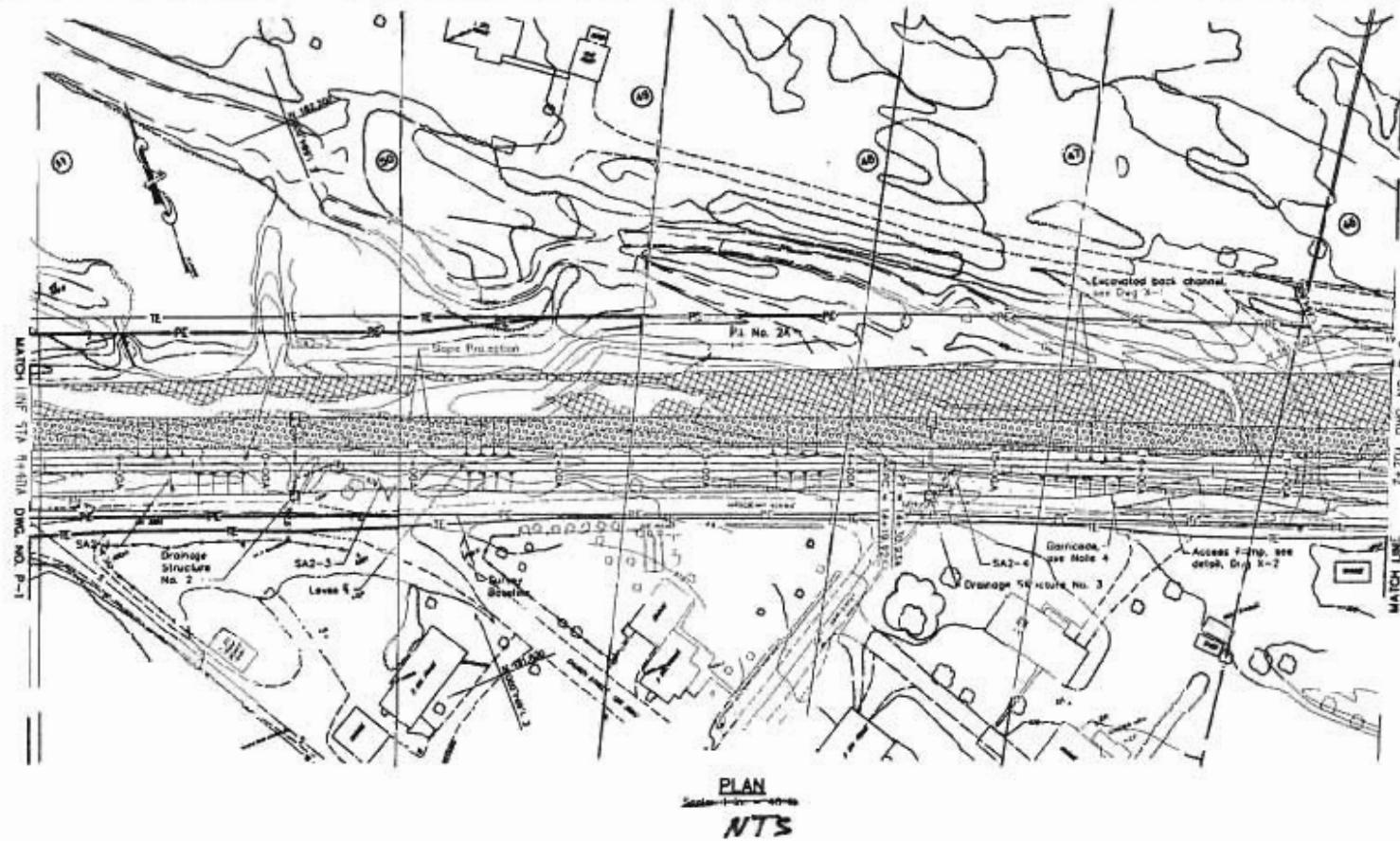
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF GENERAL SERVICES
HARRISBURG, PENNSYLVANIA

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER MANAGEMENT

PROJECT NO. D.G.S. 183-8

HYNDMAN BOROUGH
FLOOD PROTECTION PROJECT

PLAN AND PROFILE



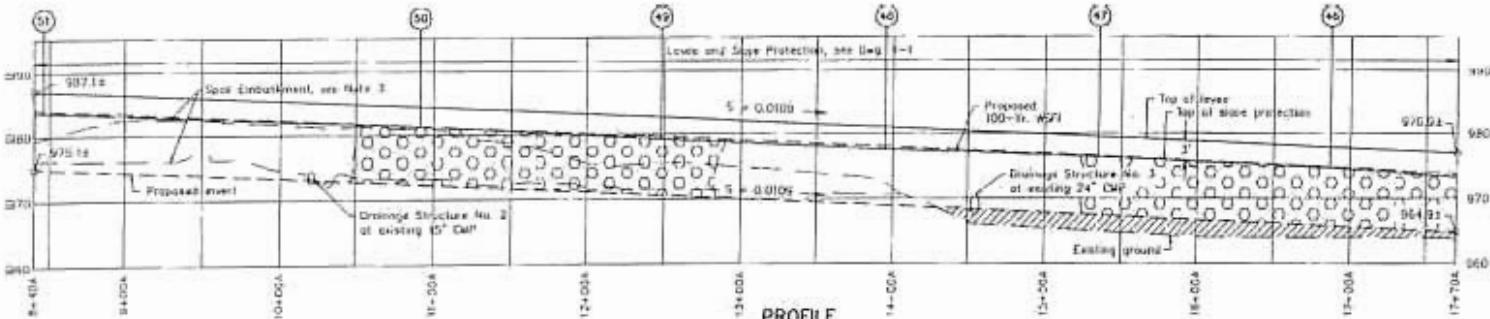
PLAN
NTS

SPONSOR ADJUSTMENTS

No.	Description	Location	U. Station	Offset	Adjustment Required
SA2-1	Utility pole	8+30A	R		Relocate
SA2-2	Utility pole	8+62A	L		Relocate
SA2-3	Guy wire	10+40A	R		Relocate
SA2-4	Guy wire	14+70A	R		Relocate

CONTRACTOR ADJUSTMENTS

No.	Description	Location	U. Station	Offset	Adjustment Required



PROFILE
NTS

CURVE NO. 2A

Pt. No. 2A N 181.634.00
E 1,694.297.00
D = 15' 00" R
W = 181.97'
T = 0.50'
L = 11.00'
P.C. Sta. 14+19.92A
P.T. Sta. 14+30.83A

NOTES:

1. For General Notes, see Dwg. No. CP-1.
2. For Levee Structure Details, see Dwg. No. II-1.
3. Remove spill embankment to grade approved by the Department.
4. Install barricades at ends of ramps, see details, Dwg. No. B-6.



HS	DATE	REVISION
CIVIL ENGINEERING PROJECT DRAWING		
NAME OF DRAWING & NUMBER		
DRAWN BY _____		
CHECKED BY THE DEPARTMENT OF GENERAL SERVICES		
APPROVED BY THE DEPARTMENT OF GENERAL SERVICES		

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF GENERAL SERVICES
HARRISBURG, PENNSYLVANIA

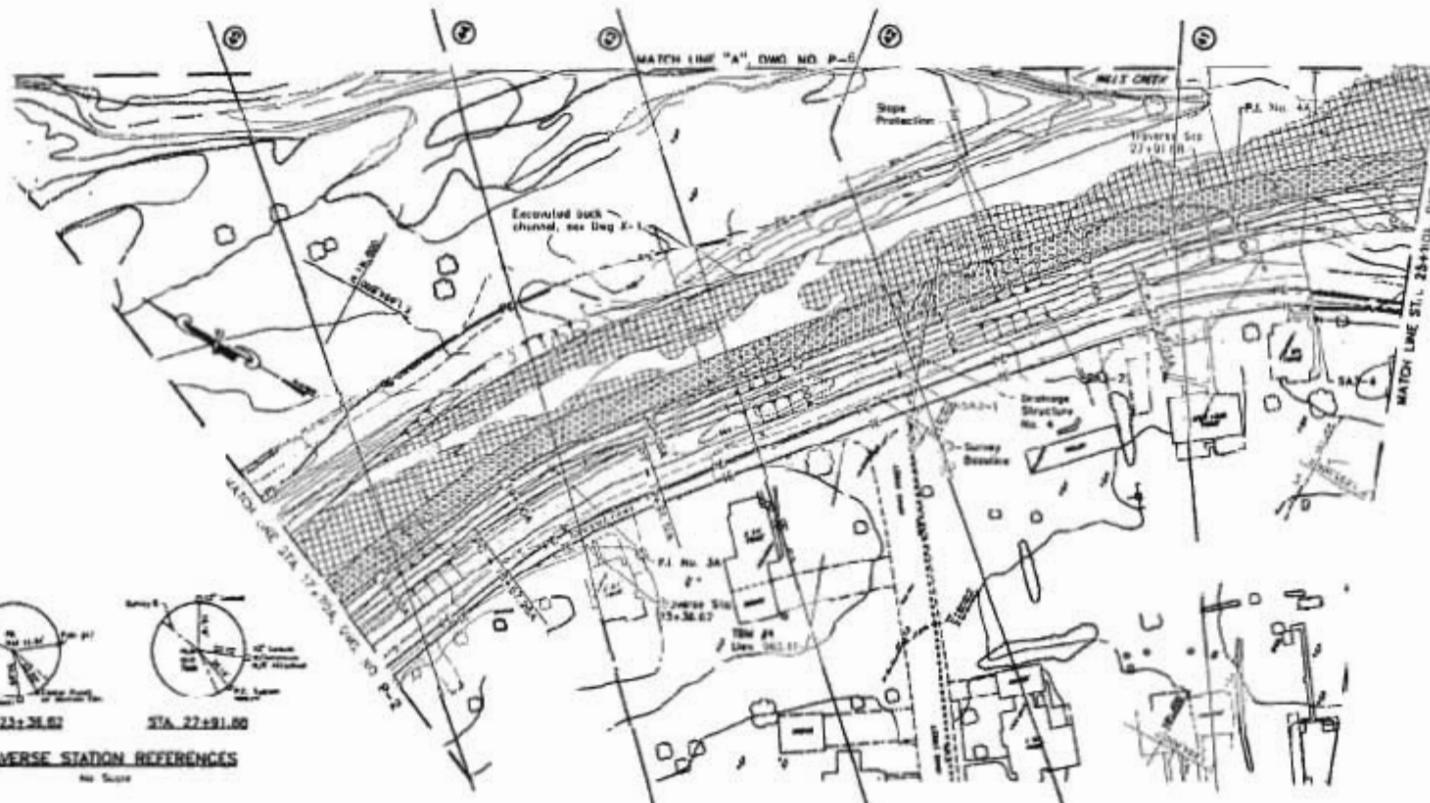
PROJECT NO. D.G.S. 183-8

HYNDMAN BOROUGH
FLOOD PROTECTION PROJECT

WILLS CREEK BEDFORD CO., PA

PLAN AND PROFILE

STA. 8+40A TO STA. 17+70A



CURVE NO. 3A

P.L. No. 3A | N 181,633.00
 S 1,884,760.00
 E 197,247.00
 W 1,210,000.00
 R 361.00
 T 43.72
 L 123.36
 P.C. Site 181+67.500
 P.T. Site 72+51.350

TRAVERSE DATA

Traversa Station	Coordinates	
	North	East
21-4-30.00	187.440672	104.730200
21-4-31.00	-187.772108	104.730470

BENCH MARK DATA

BM No.	Elevation	Location
TBm 46	905.11	3' cut in NW curb return at intersection of Adams St. and Guadalupe Ave.



1

SPONSOR ADJUSTMENTS

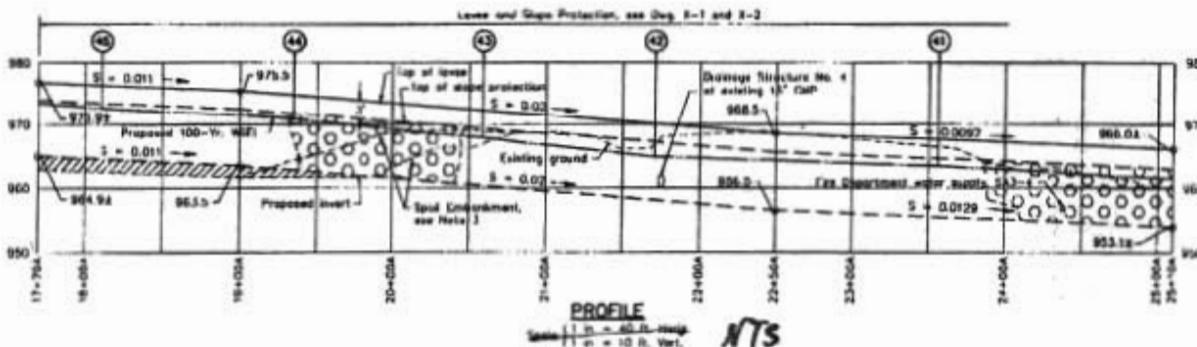
No.	Description	Location		Adjustment Required
		Station	Offset	
SAS-1	Guy wire	21+60A	RH	Reconcile
SAS-2	Guy wire	22+65A	RH	Reconcile
SAS-3	Guy wire	24+15A	RH	Reconcile
SAS-4	Fire Department water supply	24+40A	RH	Extend to level face, encase in concrete under level or reflect

CONTRACTOR ADJUSTMENTS

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NOV 12 2013

- For General Notes, see Dwg. No. GP-1.
 - For Drainage Structure Details, see Dwg. No. D-1.
 - Remove spot embankment to grade proposed by the Department.



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER MANAGEMENT**
PROJECT NO. D.G.S. 183-8
**HYNDMAN BOROUGH
FLOOD PROTECTION PROJECT**

MILLS CREEK BEDFORD CO., PA.

ALL CHARGING AND DISCHARGE
CONDITIONS SHOULD BE CONDUCTED
WITHIN 10% OF CAPACITY
AT THE SET

SPONSOR ADJUSTMENTS

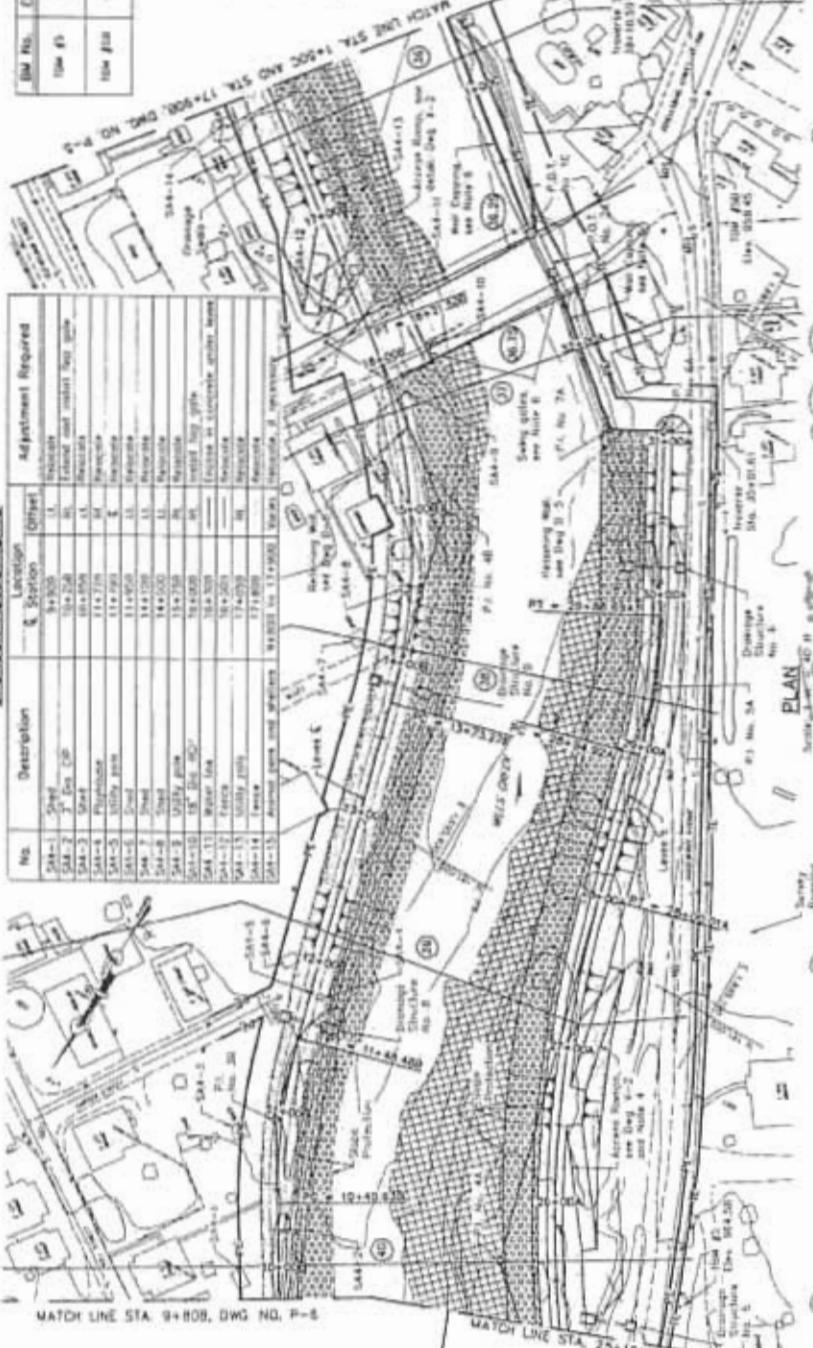
BENCH MARK DATA

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Site No.	Location	Deviation	Structural Strength, kN/mm ²
Site B1	N. of Wastre on Rgt of Ryhope Scarpe 30 m N of Park Rd	W1	494.50
Site B10	N. of Wastre on Rgt of Ryhope and Cottagers Ave	W10	480.65

Notes

1. For General Works, see [Dwg No. GP-1](#).
 2. For Drawings [Bridgework Details](#),
 see [Dwg No. GP-2](#).
 3. For General [Aids](#) [Anchored](#) to ground
 expressed by the [Exponent](#)
 4. Initial [Excavations](#) of [BEDS](#) at [Walls](#),
 see [Dwg No. GP-4](#).
 5. For [Bridge](#) [Details](#) and [Wall](#) [Capping](#) [Details](#),
 see [Dwg No. GP-5](#).



CONTRACIOR ADJUSTMENTS

P.O.I. NO. 2A P.O.I. NO. 16

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Table 1. Summary of the results of the simulation study

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ITEM	UNIT		DESCRIPTION		QUANTITY	UNIT PRICE	AMOUNT
	ITEM NO.	NAME	ITEM NO.	NAME			
1	100-1000	WIRE, STAINLESS STEEL, 1/4 IN. X 10 FT.			1	1.00	1.00
2	100-1000	WIRE, STAINLESS STEEL, 1/8 IN. X 10 FT.			1	1.00	1.00
3	100-1000	WIRE, STAINLESS STEEL, 1/16 IN. X 10 FT.			1	1.00	1.00
4	100-1000	WIRE, STAINLESS STEEL, 1/32 IN. X 10 FT.			1	1.00	1.00
5	100-1000	WIRE, STAINLESS STEEL, 1/64 IN. X 10 FT.			1	1.00	1.00
6	100-1000	WIRE, STAINLESS STEEL, 1/128 IN. X 10 FT.			1	1.00	1.00
7	100-1000	WIRE, STAINLESS STEEL, 1/256 IN. X 10 FT.			1	1.00	1.00
8	100-1000	WIRE, STAINLESS STEEL, 1/512 IN. X 10 FT.			1	1.00	1.00
9	100-1000	WIRE, STAINLESS STEEL, 1/1024 IN. X 10 FT.			1	1.00	1.00
10	100-1000	WIRE, STAINLESS STEEL, 1/2048 IN. X 10 FT.			1	1.00	1.00
11	100-1000	WIRE, STAINLESS STEEL, 1/4096 IN. X 10 FT.			1	1.00	1.00
12	100-1000	WIRE, STAINLESS STEEL, 1/8192 IN. X 10 FT.			1	1.00	1.00
13	100-1000	WIRE, STAINLESS STEEL, 1/16384 IN. X 10 FT.			1	1.00	1.00
14	100-1000	WIRE, STAINLESS STEEL, 1/32768 IN. X 10 FT.			1	1.00	1.00
15	100-1000	WIRE, STAINLESS STEEL, 1/65536 IN. X 10 FT.			1	1.00	1.00
16	100-1000	WIRE, STAINLESS STEEL, 1/131072 IN. X 10 FT.			1	1.00	1.00
17	100-1000	WIRE, STAINLESS STEEL, 1/262144 IN. X 10 FT.			1	1.00	1.00
18	100-1000	WIRE, STAINLESS STEEL, 1/524288 IN. X 10 FT.			1	1.00	1.00
19	100-1000	WIRE, STAINLESS STEEL, 1/1048576 IN. X 10 FT.			1	1.00	1.00
20	100-1000	WIRE, STAINLESS STEEL, 1/2097152 IN. X 10 FT.			1	1.00	1.00
21	100-1000	WIRE, STAINLESS STEEL, 1/4194304 IN. X 10 FT.			1	1.00	1.00
22	100-1000	WIRE, STAINLESS STEEL, 1/8388608 IN. X 10 FT.			1	1.00	1.00
23	100-1000	WIRE, STAINLESS STEEL, 1/16777216 IN. X 10 FT.			1	1.00	1.00
24	100-1000	WIRE, STAINLESS STEEL, 1/33554432 IN. X 10 FT.			1	1.00	1.00
25	100-1000	WIRE, STAINLESS STEEL, 1/67108864 IN. X 10 FT.			1	1.00	1.00
26	100-1000	WIRE, STAINLESS STEEL, 1/134217728 IN. X 10 FT.			1	1.00	1.00
27	100-1000	WIRE, STAINLESS STEEL, 1/268435456 IN. X 10 FT.			1	1.00	1.00
28	100-1000	WIRE, STAINLESS STEEL, 1/536870912 IN. X 10 FT.			1	1.00	1.00
29	100-1000	WIRE, STAINLESS STEEL, 1/107374184 IN. X 10 FT.			1	1.00	1.00
30	100-1000	WIRE, STAINLESS STEEL, 1/214748368 IN. X 10 FT.			1	1.00	1.00
31	100-1000	WIRE, STAINLESS STEEL, 1/429496736 IN. X 10 FT.			1	1.00	1.00
32	100-1000	WIRE, STAINLESS STEEL, 1/858993472 IN. X 10 FT.			1	1.00	1.00
33	100-1000	WIRE, STAINLESS STEEL, 1/1717986944 IN. X 10 FT.			1	1.00	1.00
34	100-1000	WIRE, STAINLESS STEEL, 1/3435973888 IN. X 10 FT.			1	1.00	1.00
35	100-1000	WIRE, STAINLESS STEEL, 1/6871947776 IN. X 10 FT.			1	1.00	1.00
36	100-1000	WIRE, STAINLESS STEEL, 1/1374389552 IN. X 10 FT.			1	1.00	1.00
37	100-1000	WIRE, STAINLESS STEEL, 1/2748779104 IN. X 10 FT.			1	1.00	1.00
38	100-1000	WIRE, STAINLESS STEEL, 1/5497558208 IN. X 10 FT.			1	1.00	1.00
39	100-1000	WIRE, STAINLESS STEEL, 1/10995116416 IN. X 10 FT.			1	1.00	1.00
40	100-1000	WIRE, STAINLESS STEEL, 1/21990232832 IN. X 10 FT.			1	1.00	1.00
41	100-1000	WIRE, STAINLESS STEEL, 1/43980465664 IN. X 10 FT.			1	1.00	1.00
42	100-1000	WIRE, STAINLESS STEEL, 1/87960931328 IN. X 10 FT.			1	1.00	1.00
43	100-1000	WIRE, STAINLESS STEEL, 1/175921862656 IN. X 10 FT.			1	1.00	1.00
44	100-1000	WIRE, STAINLESS STEEL, 1/351843725312 IN. X 10 FT.			1	1.00	1.00
45	100-1000	WIRE, STAINLESS STEEL, 1/703687450624 IN. X 10 FT.			1	1.00	1.00
46	100-1000	WIRE, STAINLESS STEEL, 1/1407374901248 IN. X 10 FT.			1	1.00	1.00
47	100-1000	WIRE, STAINLESS STEEL, 1/2814749802496 IN. X 10 FT.			1	1.00	1.00
48	100-1000	WIRE, STAINLESS STEEL, 1/5629499604992 IN. X 10 FT.			1	1.00	1.00
49	100-1000	WIRE, STAINLESS STEEL, 1/11258999209968 IN. X 10 FT.			1	1.00	1.00
50	100-1000	WIRE, STAINLESS STEEL, 1/22517998419936 IN. X 10 FT.			1	1.00	1.00
51	100-1000	WIRE, STAINLESS STEEL, 1/45035996839872 IN. X 10 FT.			1	1.00	1.00
52	100-1000	WIRE, STAINLESS STEEL, 1/90071993679744 IN. X 10 FT.			1	1.00	1.00
53	100-1000	WIRE, STAINLESS STEEL, 1/180143987359488 IN. X 10 FT.			1	1.00	1.00
54	100-1000	WIRE, STAINLESS STEEL, 1/360287974718976 IN. X 10 FT.			1	1.00	1.00
55	100-1000	WIRE, STAINLESS STEEL, 1/720575949437952 IN. X 10 FT.			1	1.00	1.00
56	100-1000	WIRE, STAINLESS STEEL, 1/1441151898875904 IN. X 10 FT.			1	1.00	1.00
57	100-1000	WIRE, STAINLESS STEEL, 1/2882303797751808 IN. X 10 FT.			1	1.00	1.00
58	100-1000	WIRE, STAINLESS STEEL, 1/5764607595503616 IN. X 10 FT.			1	1.00	1.00
59	100-1000	WIRE, STAINLESS STEEL, 1/11529215191007232 IN. X 10 FT.			1	1.00	1.00
60	100-1000	WIRE, STAINLESS STEEL, 1/23058430382014464 IN. X 10 FT.			1	1.00	1.00
61	100-1000	WIRE, STAINLESS STEEL, 1/46116860764028928 IN. X 10 FT.			1	1.00	1.00
62	100-1000	WIRE, STAINLESS STEEL, 1/92233721528057856 IN. X 10 FT.			1	1.00	1.00
63	100-1000	WIRE, STAINLESS STEEL, 1/184467443056115712 IN. X 10 FT.			1	1.00	1.00
64	100-1000	WIRE, STAINLESS STEEL, 1/368934886112231424 IN. X 10 FT.			1	1.00	1.00
65	100-1000	WIRE, STAINLESS STEEL, 1/737869772224462848 IN. X 10 FT.			1	1.00	1.00
66	100-1000	WIRE, STAINLESS STEEL, 1/1475739544448925696 IN. X 10 FT.			1	1.00	1.00
67	100-1000	WIRE, STAINLESS STEEL, 1/2951479088897851392 IN. X 10 FT.			1	1.00	1.00
68	100-1000	WIRE, STAINLESS STEEL, 1/5902958177795702784 IN. X 10 FT.			1	1.00	1.00
69	100-1000	WIRE, STAINLESS STEEL, 1/11805916355591405568 IN. X 10 FT.			1	1.00	1.00
70	100-1000	WIRE, STAINLESS STEEL, 1/23611832711182811136 IN. X 10 FT.			1	1.00	1.00
71	100-1000	WIRE, STAINLESS STEEL, 1/47223665422365622272 IN. X 10 FT.			1	1.00	1.00
72	100-1000	WIRE, STAINLESS STEEL, 1/94447330844731244544 IN. X 10 FT.			1	1.00	1.00
73	100-1000	WIRE, STAINLESS STEEL, 1/18889466168946248888 IN. X 10 FT.			1	1.00	1.00
74	100-1000	WIRE, STAINLESS STEEL, 1/37778932337892497776 IN. X 10 FT.			1	1.00	1.00
75	100-1000	WIRE, STAINLESS STEEL, 1/75557864675784995552 IN. X 10 FT.			1	1.00	1.00
76	100-1000	WIRE, STAINLESS STEEL, 1/15111572935158998104 IN. X 10 FT.			1	1.00	1.00
77	100-1000	WIRE, STAINLESS STEEL, 1/30223145870317996208 IN. X 10 FT.			1	1.00	1.00
78	100-1000	WIRE, STAINLESS STEEL, 1/60446291740635992416 IN. X 10 FT.			1	1.00	1.00
79	100-1000	WIRE, STAINLESS STEEL, 1/120892583481279944832 IN. X 10 FT.			1	1.00	1.00
80	100-1000	WIRE, STAINLESS STEEL, 1/241785166962559889664 IN. X 10 FT.			1	1.00	1.00
81	100-1000	WIRE, STAINLESS STEEL, 1/483570333925119779328 IN. X 10 FT.			1	1.00	1.00
82	100-1000	WIRE, STAINLESS STEEL, 1/967140667850239558656 IN. X 10 FT.			1	1.00	1.00
83	100-1000	WIRE, STAINLESS STEEL, 1/1934281335700479117312 IN. X 10 FT.			1	1.00	1.00
84	100-1000	WIRE, STAINLESS STEEL, 1/3868562671400958234624 IN. X 10 FT.			1	1.00	1.00
85	100-1000	WIRE, STAINLESS STEEL, 1/7737125342801916469248 IN. X 10 FT.			1	1.00	1.00
86	100-1000	WIRE, STAINLESS STEEL, 1/1547425068560383298496 IN. X 10 FT.			1	1.00	1.00
87	100-1000	WIRE, STAINLESS STEEL, 1/3094850137120766596992 IN. X 10 FT.			1	1.00	1.00
88	100-1000	WIRE, STAINLESS STEEL, 1/6189700274241533193984 IN. X 10 FT.			1	1.00	1.00
89	100-1000	WIRE, STAINLESS STEEL, 1/12379400548483066387968 IN. X 10 FT.			1	1.00	1.00
90	100-1000	WIRE, STAINLESS STEEL, 1/24758801096966132775936 IN. X 10 FT.			1	1.00	1.00
91	100-1000	WIRE, STAINLESS STEEL, 1/49517602193932265551872 IN. X 10 FT.			1	1.00	1.00
92	100-1000	WIRE, STAINLESS STEEL, 1/99035204387864531103744 IN. X 10 FT.			1	1.00	1.00
93	100-1000	WIRE, STAINLESS STEEL, 1/198070408775729062207488 IN. X 10 FT.			1	1.00	1.00
94	100-1000	WIRE, STAINLESS STEEL, 1/396140817551458124414976 IN. X 10 FT.			1	1.00	1.00
95	100-1000	WIRE, STAINLESS STEEL, 1/792281635102916248829952 IN. X 10 FT.			1	1.00	1.00
96	100-1000	WIRE, STAINLESS STEEL, 1/158456327020583249765984 IN. X 10 FT.			1	1.00	1.00
97	100-1000	WIRE, STAINLESS STEEL, 1/316912654041166499531968 IN. X 10 FT.			1	1.00	1.00
98	100-1000	WIRE, STAINLESS STEEL, 1/633825308082332999063936 IN. X 10 FT.			1	1.00	1.00
99	100-1000	WIRE, STAINLESS STEEL, 1/126765061616466599812772 IN. X 10 FT.			1	1.00	1.00
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104	100-1000	WIRE, STAINLESS STEEL, 1/4056481971726931194008704 IN. X 10 FT.			1	1.00	1.00
105	100-1000	WIRE, STAINLESS STEEL, 1/8112963943453862388017408 IN. X 10 FT.			1	1.00	1.00
106	100-1000	WIRE, STAINLESS STEEL, 1/16225927868907724776034816 IN. X 10 FT.			1	1.00	1.00
107	100-1000	WIRE, STAINLESS STEEL, 1/32451855737815449552069632 IN. X 10 FT.			1	1.00	1.00
108	100-1000	WIRE, STAINLESS STEEL, 1/64903711475630899104139264 IN. X 10 FT.			1	1.00	1.00
109	100-1000	WIRE, STAINLESS STEEL, 1/129807422951261798208278528 IN. X 10 FT.			1	1.00	1.00
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111	100-1000	WIRE, STAINLESS STEEL, 1/519229691605047192832114112 IN. X 10 FT.			1	1.00	1.00
112	100-1000	WIRE, STAINLESS STEEL, 1/103845938321008738566422824 IN. X 10 FT.			1	1.00	1.00
113	100-1000	WIRE, STAINLESS STEEL, 1/207691876642017477132845648 IN. X 10 FT.			1	1.00	1.00
114	100-1000	WIRE, STAINLESS STEEL, 1/415383753284034954265691296 IN. X 10 FT.			1	1.00	1.00
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123	100-1000	WIRE, STAINLESS STEEL, 1/2126764816814335765840338304 IN. X 10 FT.			1	1.00	1.00
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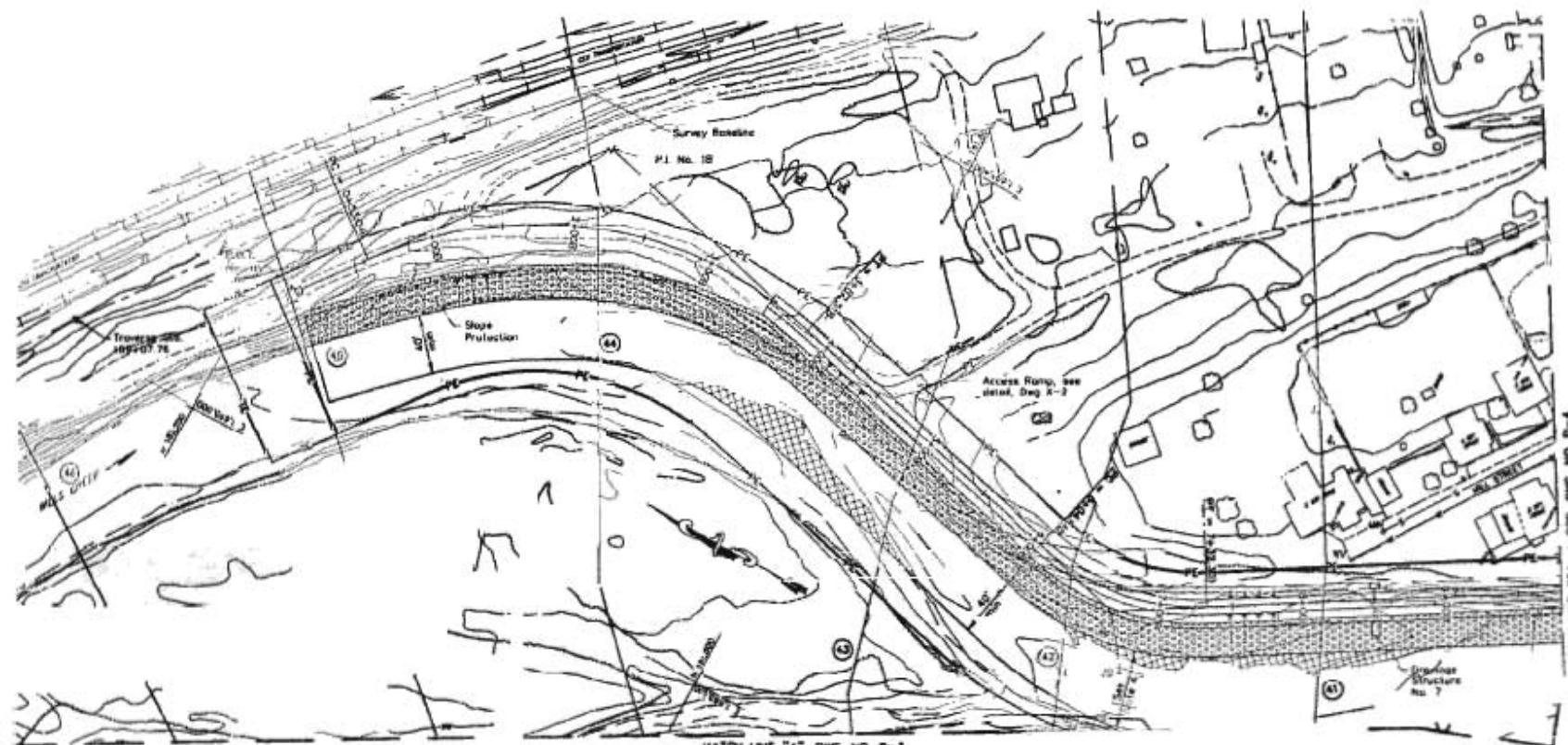
DEPARTMENT OF GENERAL SERVICE

HARRISBURG, PENNSYLVANIA
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER MANAGEMENT
PROJECT NO. D.G.S. 1B-3-8

FLOOD PROTECTION PROJECT

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PROFILE 25



P.O.T. NO. 18

b = 182.173.70
f = 1,625.103.92
g = 0.00E

CURVE NO. 1B

P.L. No. 18 N 182.028.00
b = 1,625.103.92
g = 655.335°
D = 3000.00'
R = 286.48'
T = 85.68'
S = 129.44'
P.L. No. 184 O +0.3148
P.L. No. 184 S +82.518

CURVE NO. 2B

P.L. No. 2B N 181.268.00
b = 1,625.103.92
g = 350.00°
H = 145.76'
T = 67.16'
L = 127.48'
P.L. No. 2B O +0.4848
P.L. No. 2B S +32.508

TRANSVERSE DATA

Transverse Station	Coordinates
North	East
161+07.76	182.321.57
161+01.91	182.015.91

DRA

SPONSOR ADJUSTMENTS

No.	Description	Location	R Station	Offset	Adjustment Required
SAC 1	Anched pens and shelters	0+000 to 9+000	Varies	Rescale, if necessary	

CONTRACTOR ADJUSTMENTS

No.	Description	Location	S Station	Offset	Adjustment Required

PLAN

NTS

NOTES:

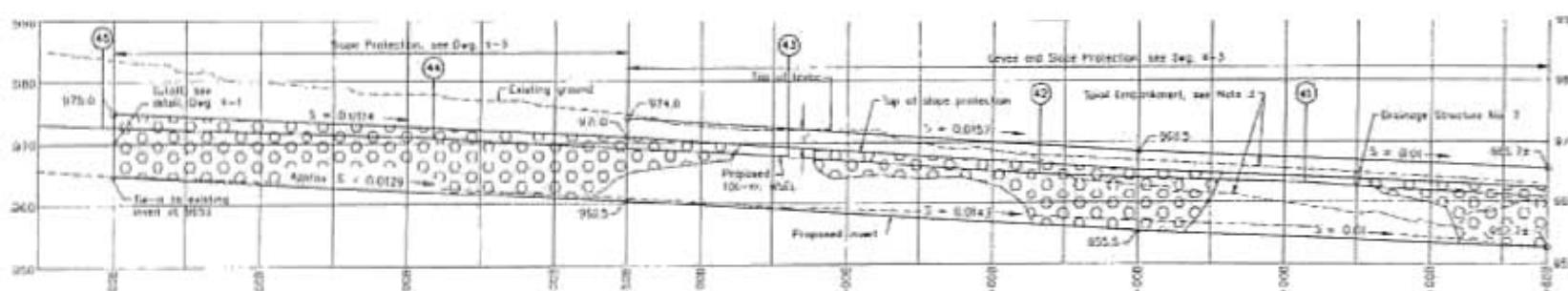
- For General Notes, see Dwg. No. CP-1.
- For Drainage Structure Details, see Dwg. No. D-1.
- Remove spoil embankment to grade approved by the Department.
- Increase invert width from 40' maximum at PC Sta. 6+04.948 to 65' minimum at Sta. 8+258.



STA. 162+07.76

TRaverse Station Reference

No Scale



PROFILE

Scale 1 in = 50 ft - 400 ft
1 in = 10 ft - 400 ft

NTS

RE-DRAWING AND CHECKED
CONTRACTOR DRAWING BY CONTRACTOR
PC-404-02-01 CONTRACTOR
11-11-12

PLAN AND PROFILE STA. 0+000 TO STA. 9+000

Sheet No. 1 of 1 Date Issued 10/10/12
Prepared By: [Signature] As Drawn
Reviewed By: [Signature]

DRAWN BY THE DEPARTMENT OF GENERAL SERVICES

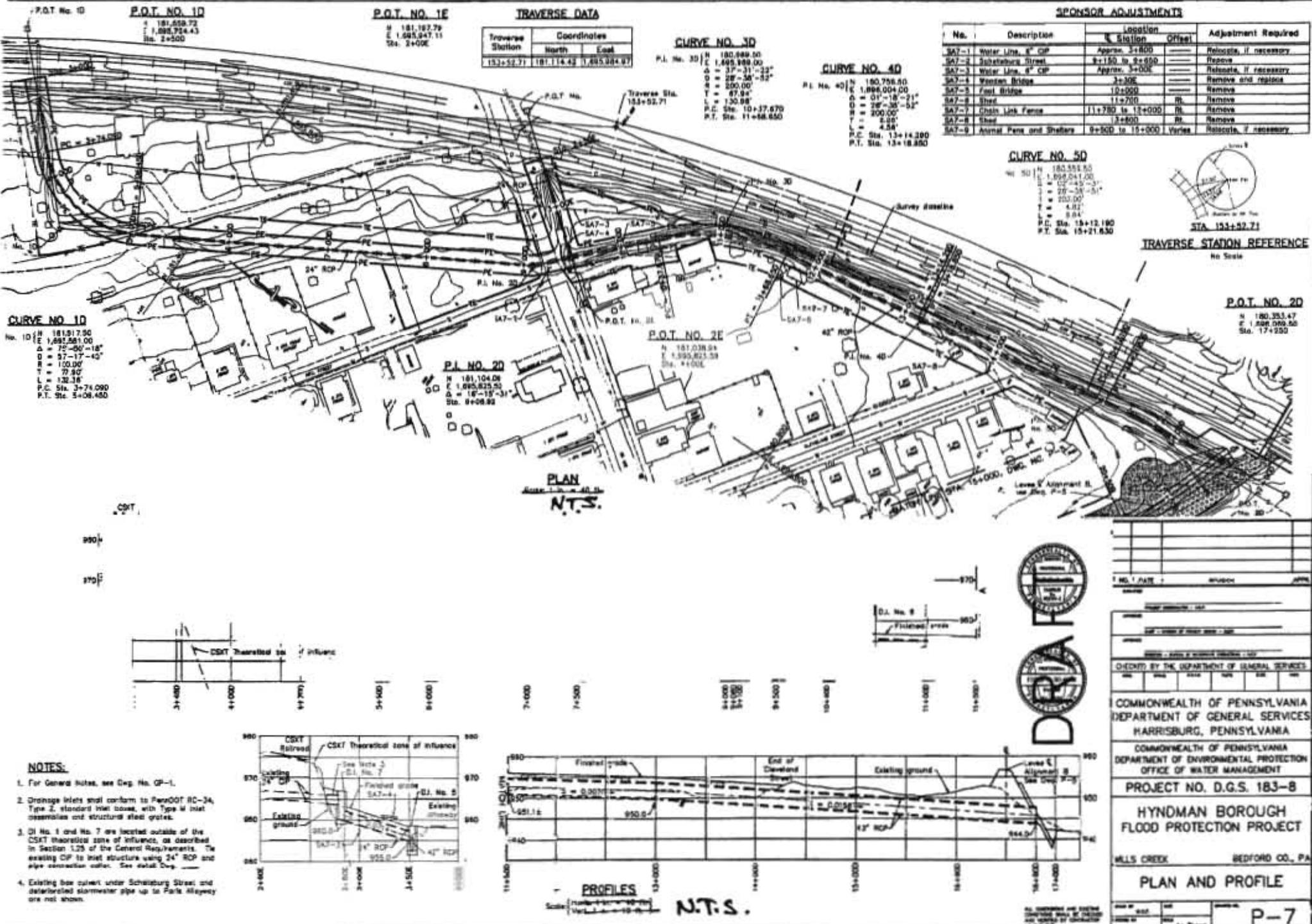
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DEPARTMENT OF GENERAL SERVICES
HARRISBURG, PENNSYLVANIA

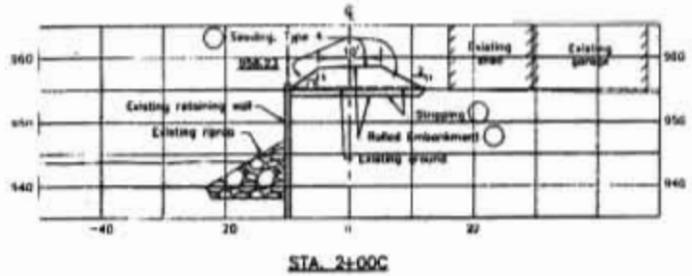
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DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER MANAGEMENT

PROJECT NO. D.G.S. 183-B

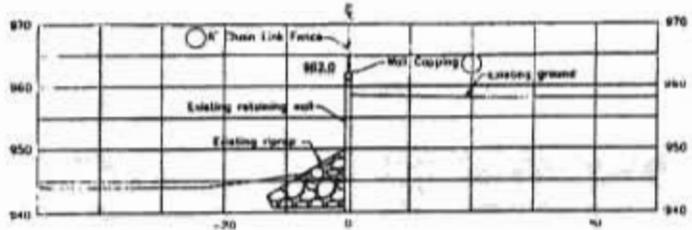
HYNDMAN BOROUGH
FLOOD PROTECTION PROJECT

WELLS CREEK BEDFORD CO., PA

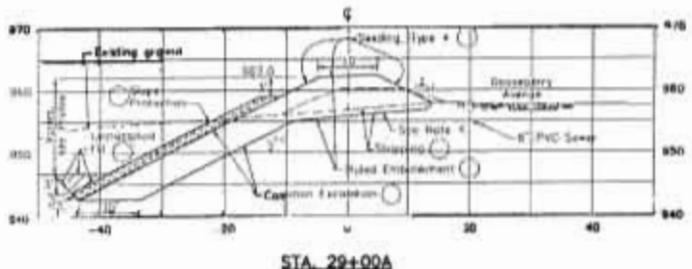




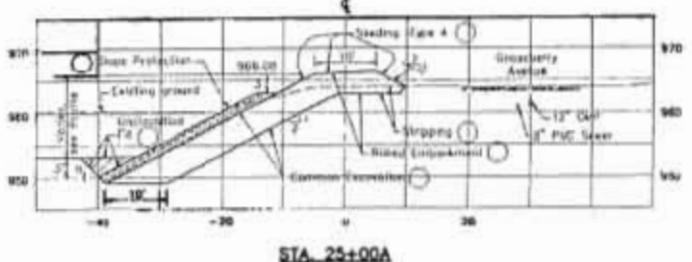
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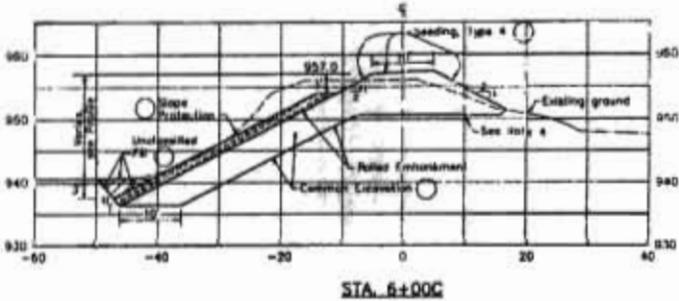
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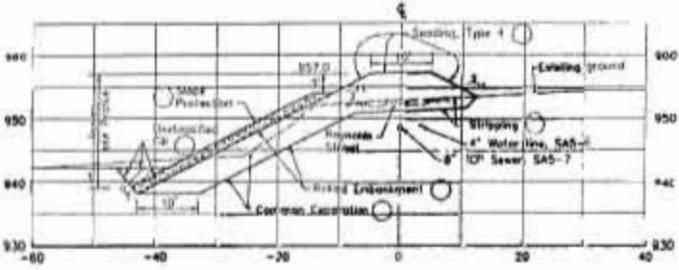
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STA-25400A



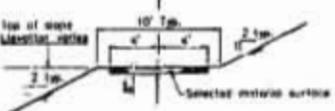
STA. 6+00C



STA-4+00G

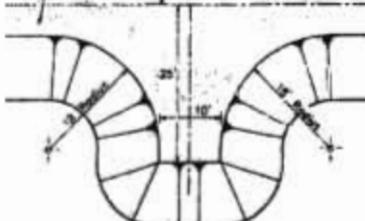
LEVER CROWN DETAIL

Part 2



ACCESS RAMP DETAIL

function

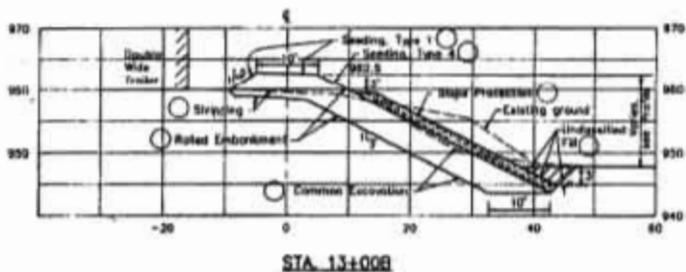


LEVEE TURNAROUND DETAIL

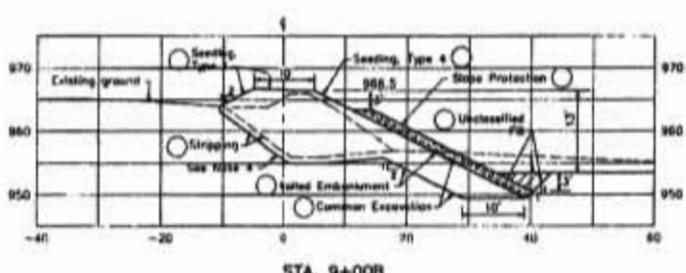
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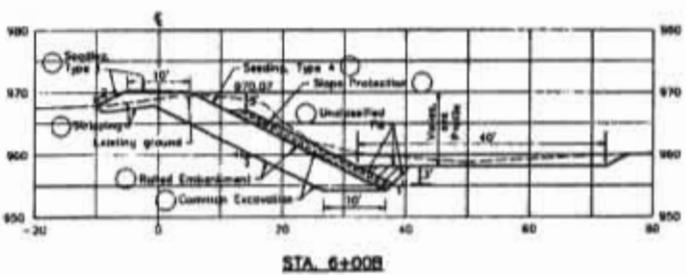
N.H.	DATE	REVISION	LAW
COURT			
PROJECT NUMBER - 183-8			
<hr/>			
APPROVED:			
APPROVED: DEPARTMENT OF GENERAL SERVICES - DGS			
CHECKED BY THE DEPARTMENT OF GENERAL SERVICES			
COMMONWEALTH OF PENNSYLVANIA			
DEPARTMENT OF GENERAL SERVICES			
HARRISBURG, PENNSYLVANIA			
COMMONWEALTH OF PENNSYLVANIA			
DEPARTMENT OF ENVIRONMENTAL PROTECTION			
OFFICE OF WATER MANAGEMENT			
PROJECT NO. D.G.S. 183-8			
HYNDMAN BOROUGH			
FLOOD PROTECTION PROJECT			
WILLS CREEK		BEDFORD CO., PA	
CROSS SECTIONS			
Sheet No.	Page No.	X-2	
Prepared by:	Approved by:		



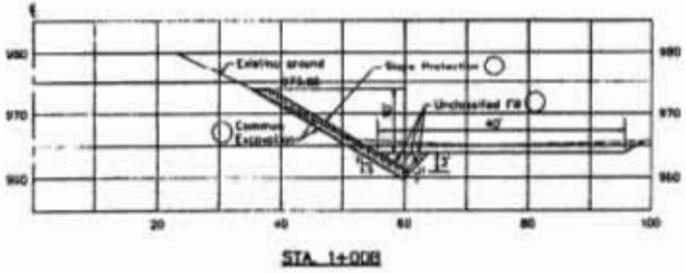
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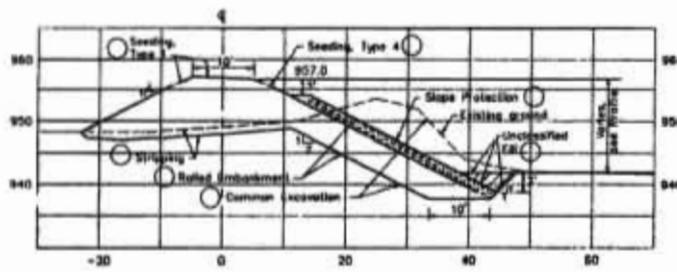
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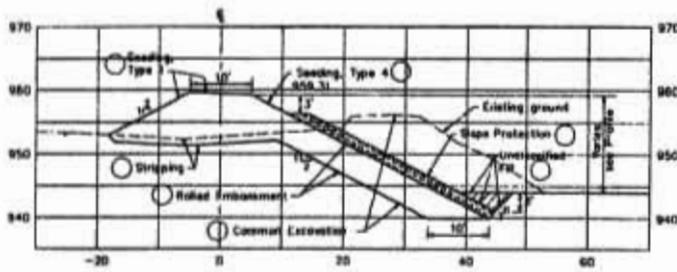
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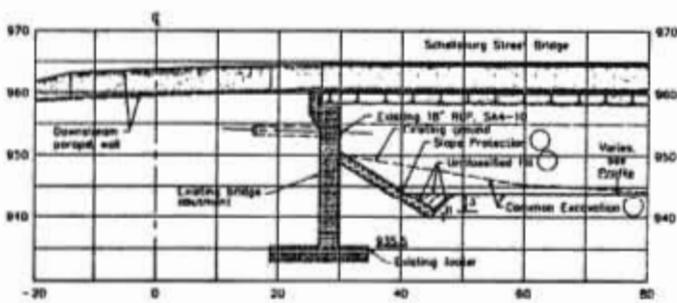
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STA_21+003



STA. 174-008



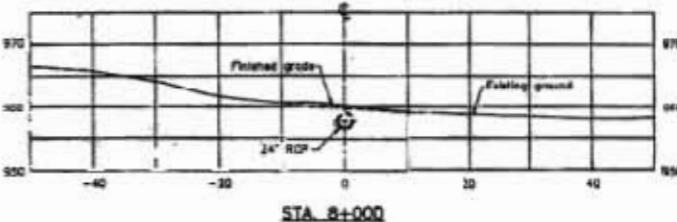
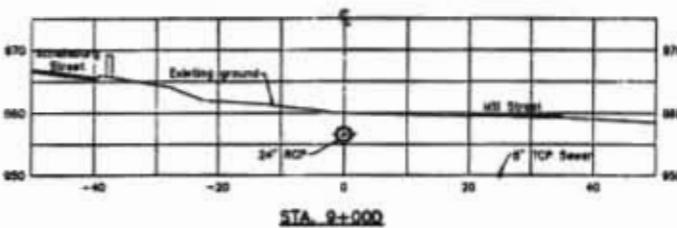
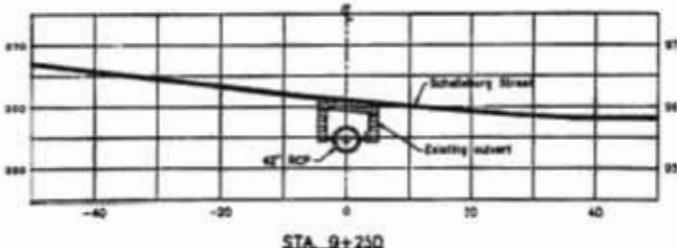
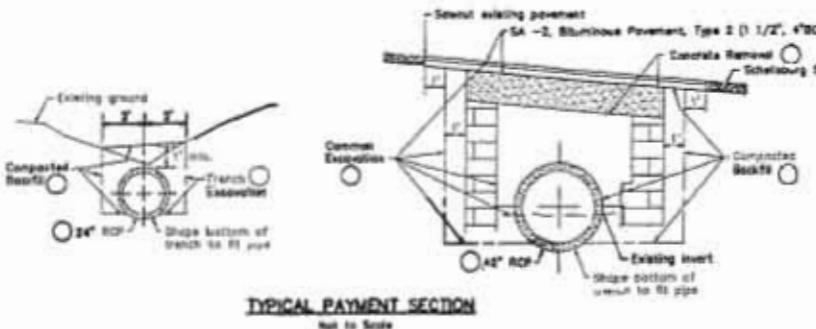
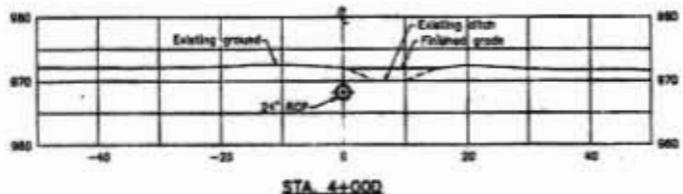
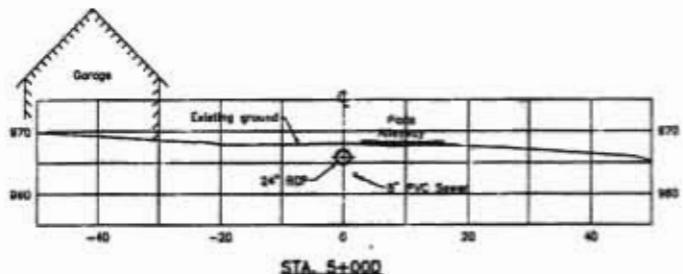
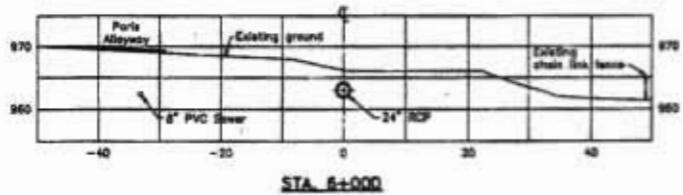
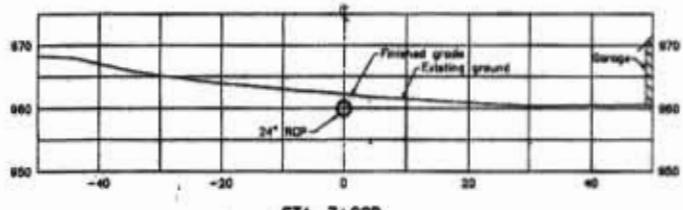
STA_154008

- 1 For General Notes, see Deg. No. GP-1.
- 2 For Lower Crown Detail, see Deg. No. K-2.
For Upper Cutoff Detail, see Deg. No. K-1.
- 3 Cross sections are shown looking downstream.
- 4 Enclosed existing road embankment to grade approved by Department.

DRAFT

NO.	DATE	REVISION	APP.
DRAWN BY: <u>JOHN W. HYNDMAN - P.A.</u>			
APPROVED:			
REVIEWED: <u>JOHN W. HYNDMAN - P.A.</u>			
CHECKED BY THE DEPARTMENT OF GENERAL SERVICES			
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF GENERAL SERVICES HARRISBURG, PENNSYLVANIA			
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF WATER MANAGEMENT			
PROJECT NO. D.G.S. 1B3-8			
HYNDMAN BOROUGH FLOOD PROTECTION PROJECT			
MILLS CREEK		BEDFORD CO., PA	
CROSS SECTIONS			
NAME:	TITLE:	PHONE NO.:	X-3
DESIGNED BY:			
APPROVED BY:			

NTS

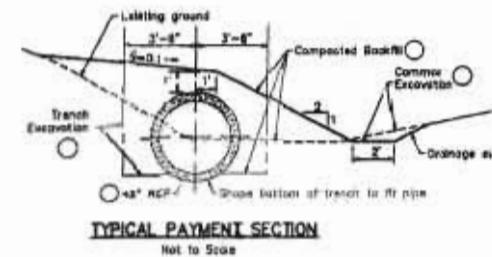
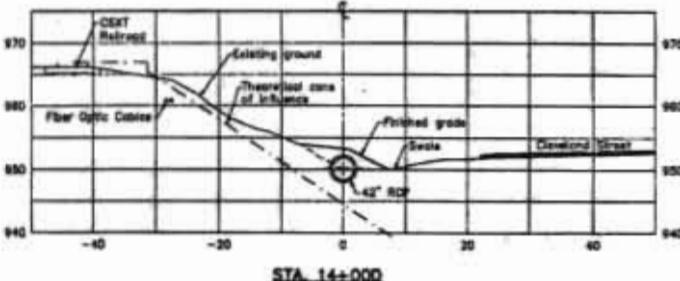
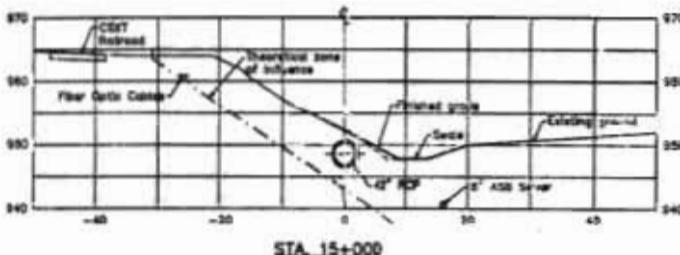
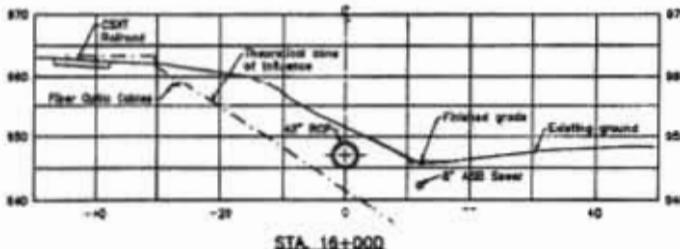
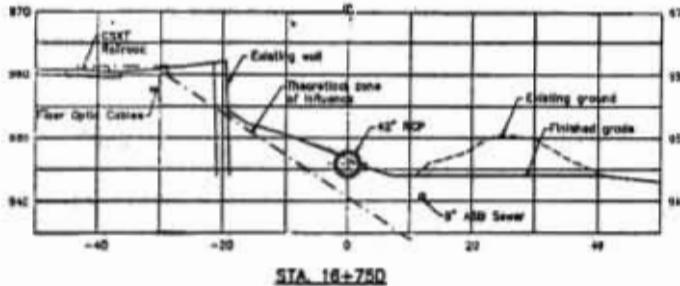
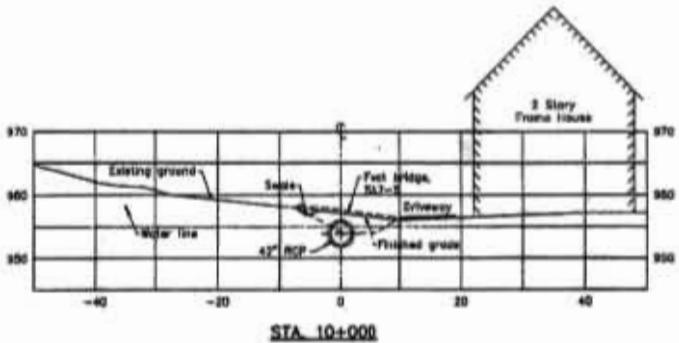
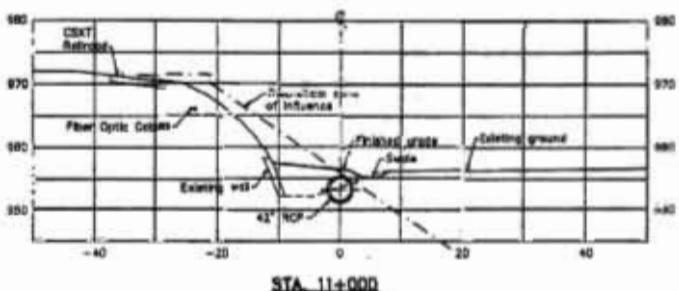
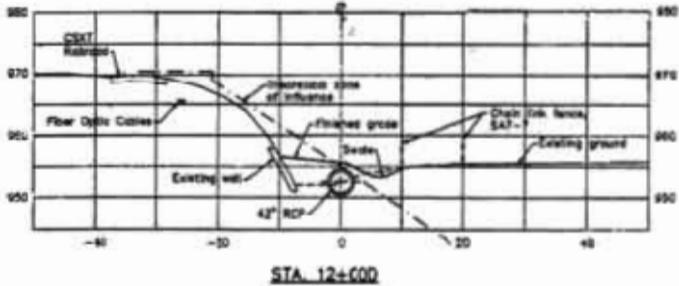
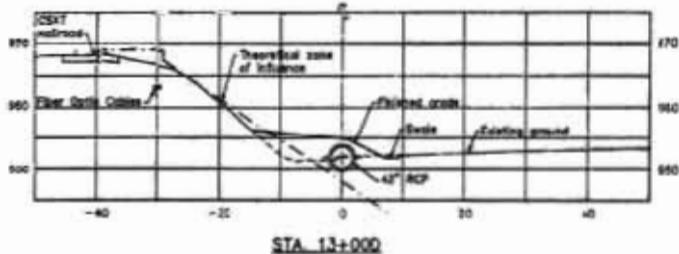


DRAFT

NO.	DATE	REVISION	APPR.
DRAWN BY: [Signature]			
CHECKED BY: THE DEPARTMENT OF GENERAL SERVICES			
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF GENERAL SERVICES HARRISBURG, PENNSYLVANIA			
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF WATER MANAGEMENT			
PROJECT NO. D.G.S. 183-8			
HYNDMAN BOROUGH FLOOD PROTECTION PROJECT			
WELLS CREEK BEDFORD CO., PA			
CROSS SECTIONS			
NAME	TITLE	GRADE	REMARKS
NAME	TITLE	GRADE	REMARKS

N.T.S.

X-4



NOTES:

1. For General Notes, see Dwg. No. GP-1.
2. Cross sections are shown looking downstream.
3. The CSRT theoretical live load limit shown is for the nearest active track. This limit is described in General Requirement - WORK IN VICINITY OF RAILROAD. No unbroken excavation shall be performed within these limits.

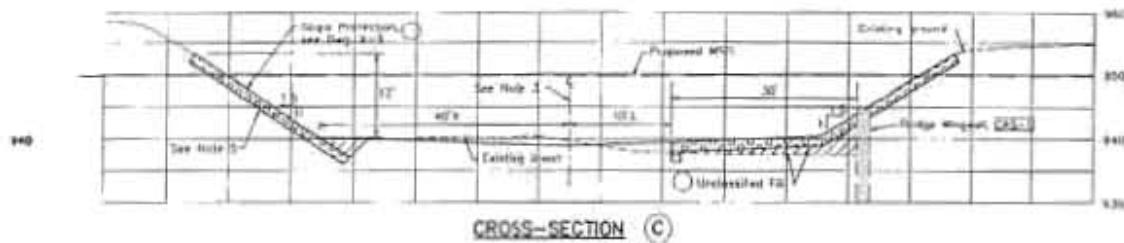
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DATE	REVISION

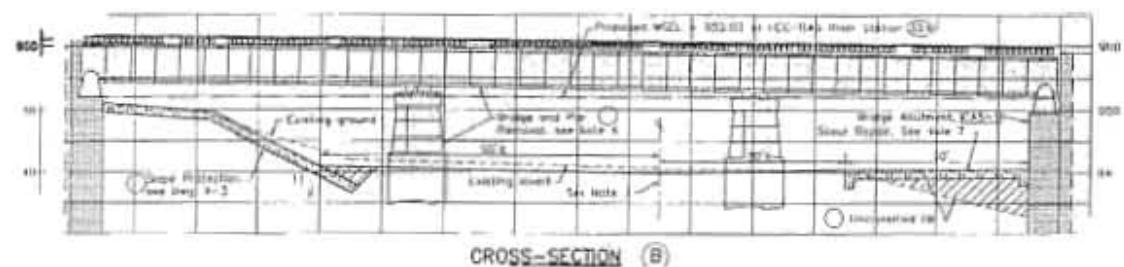
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CHECKED BY THE DEPARTMENT OF GENERAL SERVICES

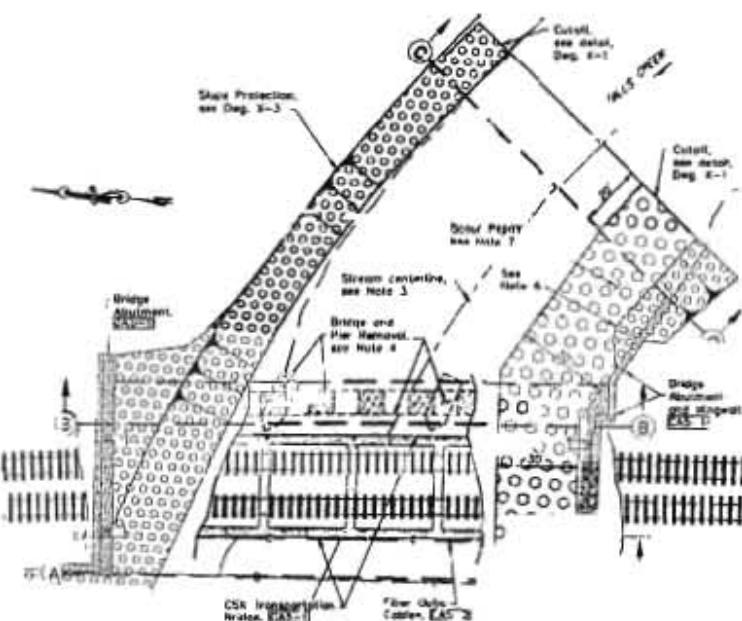
DATE: / /



CROSS-SECTION (C)



CROSS-SECTION (B)



DETAIL PLAN
Scale 1 in. = 10 ft.



NOTES:

1. For General Notes, see Deg. No. 3P-1
2. Cross sections are shown looking downstream.
3. The stream with minor downcutting of Site 21+800 and Site 8+800. Set the reselected stream centerline off the right ridge alignment according to the dimensions shown on cross-sections A, B and C. Set the stream centerline invert 1' above the the adjacent stream bank toe of slopes.
4. Remove the downstream 3'-high railroad ridge (plate girder) and place in accordance with Technical Specification TS-44.
5. For left bank erosion protection, wrap slope around and up against the alignment and wingwall as shown on the detail plan.
6. Scour Repair will be built and paid as Slope Protection.

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56
57	58	59	60	61	62	63	64
65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88
89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104

CHECKLIST BY THE DEPARTMENT OF GENERAL SERVICES

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF GENERAL SERVICES
HARRISBURG, PENNSYLVANIA

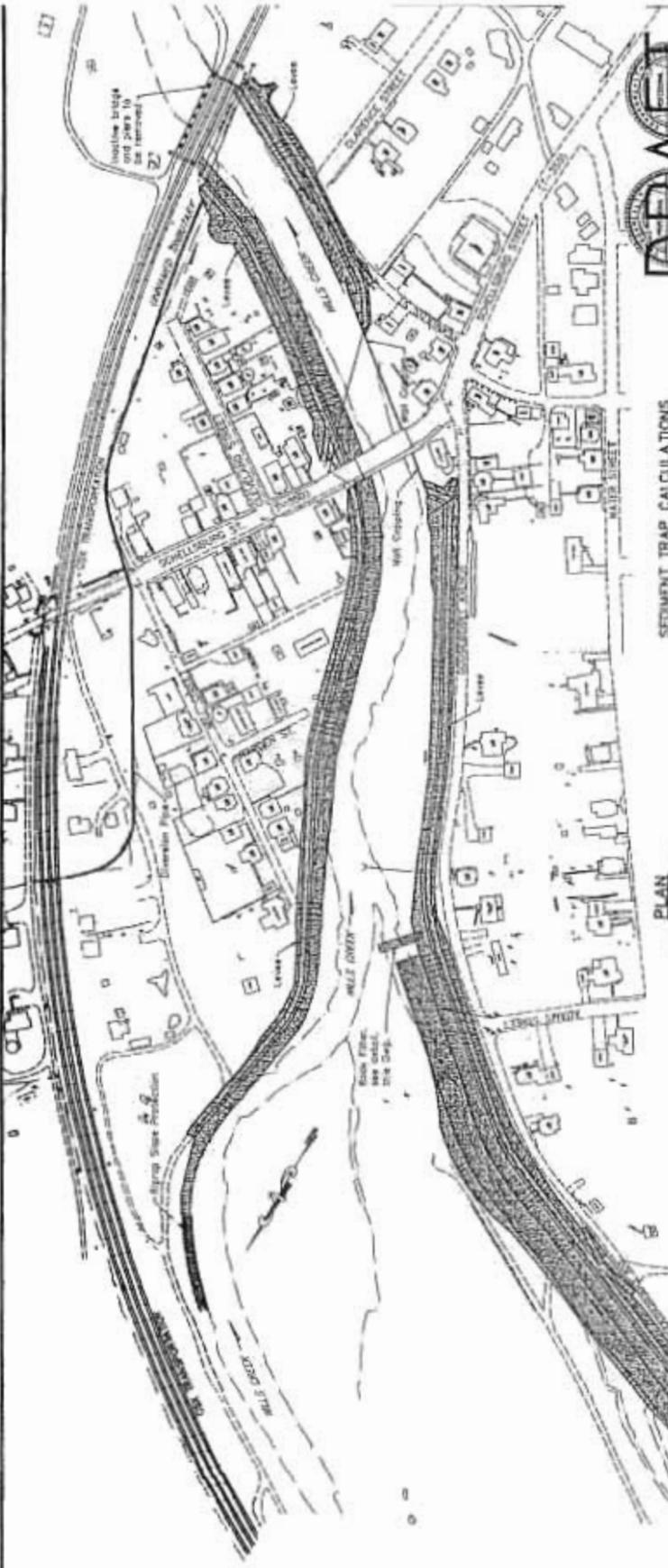
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DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER MANAGEMENT

PROJECT NO. D.G.S. 183-8

HYNDMAN BOROUGH
FLOOD PROTECTION PROJECT

MILLS CREEK BEDFORD CO., PA

CROSS SECTIONS
AT CSX BRIDGES



The logo consists of the letters "DR" in a bold, serif font, enclosed within a circular border.

SEDIMENT TRAP CALCULATIONS

Pumping Rate = $G = 3000 \text{ gpm}$
 $L = 10 \text{ ft. minimum}$
 $H = 10 \text{ ft. maximum}$
 $H = 3 \text{ ft. minimum}$
 Capacity = $G \propto L \cdot H \propto H^2$ or
 $\frac{G}{H^2} = \text{constant}$. Approximate ratio, $G/H^2 = 1.45/\text{ft}^2$

PLAN

TYPICAL SECTION A

Note: Grade of grade stone is turned off when back line is at an elevation that exceeds the top of the previous grade elevation.

lured us right and led
us at an angle that
ended the top of the
fence last winter.

SEDIMENT TRAP

⑥

AN INVESTIGATION OF SEVERE FLOODS
HARRISBURG, PENNSYLVANIA
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER MANAGEMENT
PROJECT NO. D.G.S. 18J-8
HYNDMAN BOROUGH
FLOOD PROTECTION PROJECT

TOPICAL PLAN

WILLIAM
D. COOPER

ROCK FILTER

110 2011

1-EFFF CONSTRUCTION DETAIL

卷之三