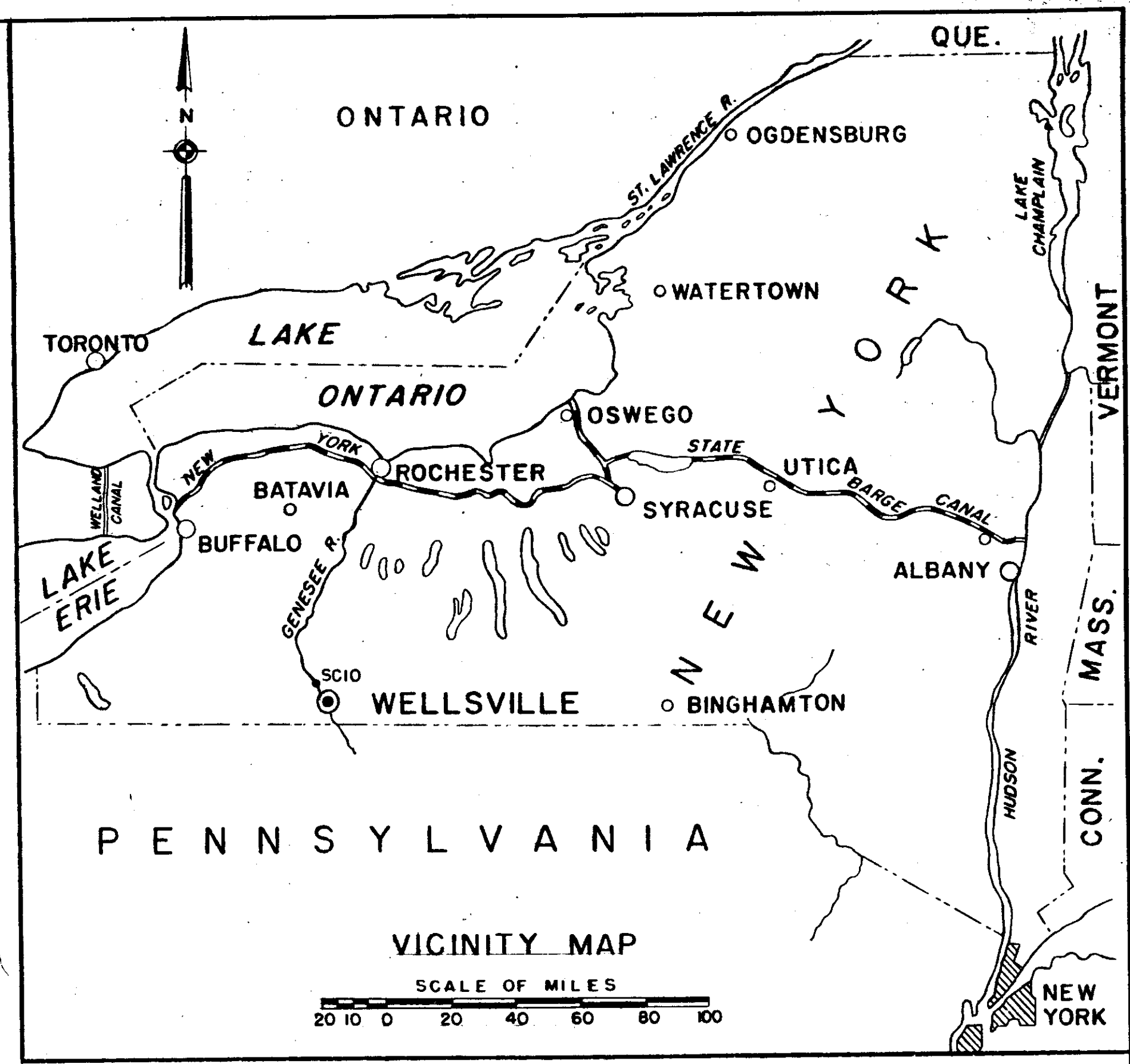
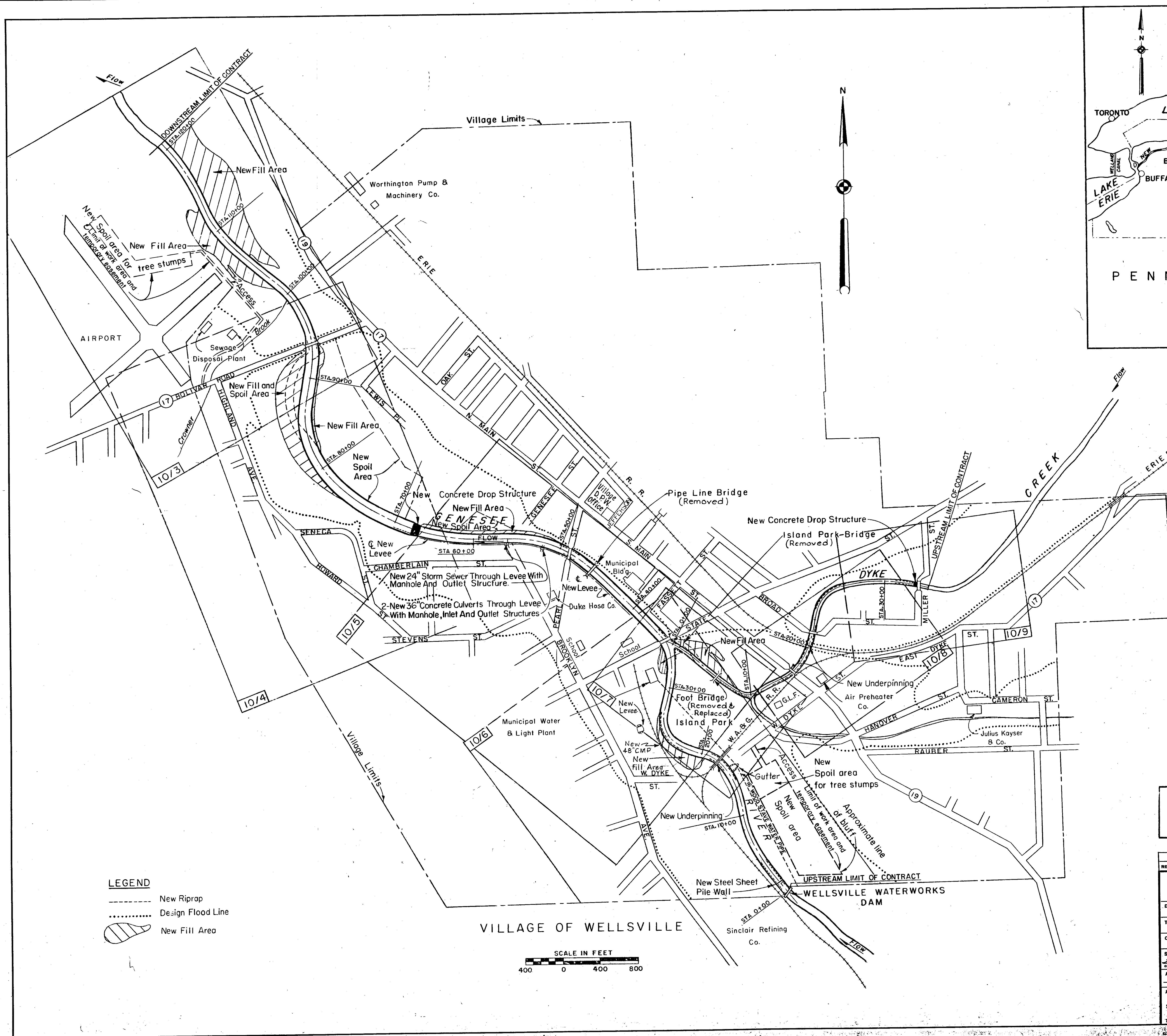


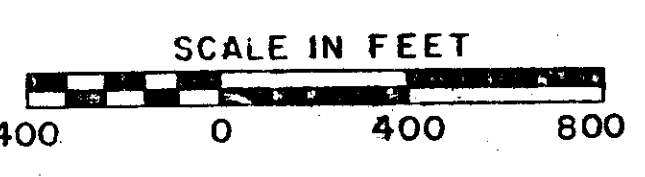
Limit of work area and Temporary Easement



INDEX OF CONTRACT PLANS		
SHEET NO.	DWG. NO. F-189-A	TITLE
1	-10/1	GENERAL PLAN
2	-10/2	HYDROGRAPHS AND RATING CURVES
3	-10/3	PLAN & PROFILE, GENESSEE R., STA. 95+00 TO 120+90
4	-10/4	PLAN & PROFILE, GENESSEE R., STA. 65+00 TO 95+00
5	-10/5	PLAN & PROFILE, GENESSEE R., STA. 32+50 TO 65+00
6	-10/6	PLAN & PROFILE, GENESSEE R., STA. 0+00 TO 32+50
7	-10/7	PLAN & PROFILE, DYKE CR., STA. 0+00 TO 12+00
8	-10/8	PLAN & PROFILE, DYKE CR., STA. 12+00 TO 28+48.8
9	-10/9	PLAN & PROFILE, DYKE CR., STA. 28+48.8 TO 34+64
10	-10/10	GENESSEE R., TYPICAL CHANNEL CROSS SECTIONS
11	-10/11	DYKE CR., TYPICAL CHANNEL CROSS SECTIONS, DUMPED RIPRAP DETAIL
12	-10/12	BRIDGE CROSS SECTIONS, GENESSEE R., & DYKE CR.
13	-10/13	BRIDGE CROSS SECTIONS & DETAILS OF BRIDGE PIER TREATMENT
14	-10/14	DROP STRUCTURE, GENESSEE R., STA. 68+04.5 TO 69+170
15	-10/15	DROP STRUCTURE, GENESSEE R., STA. 68+04.5 TO 69+170
16	-10/16	2-36" CULVERTS THROUGH LEVEE 1-24" STORM SEWER THROUGH LEVEE
17	-10/17	STEEL SHEET PILE WALL & CHANNEL DETAILS, GENESSEE R., STA. 0+00 TO 2+53.0
18	-10/18	DROP STRUCTURE, DYKE CR., STA. 32+77.74 TO 34+54
19	-10/19	DROP STRUCTURE, DYKE CR., STA. 32+77.74 TO 34+54

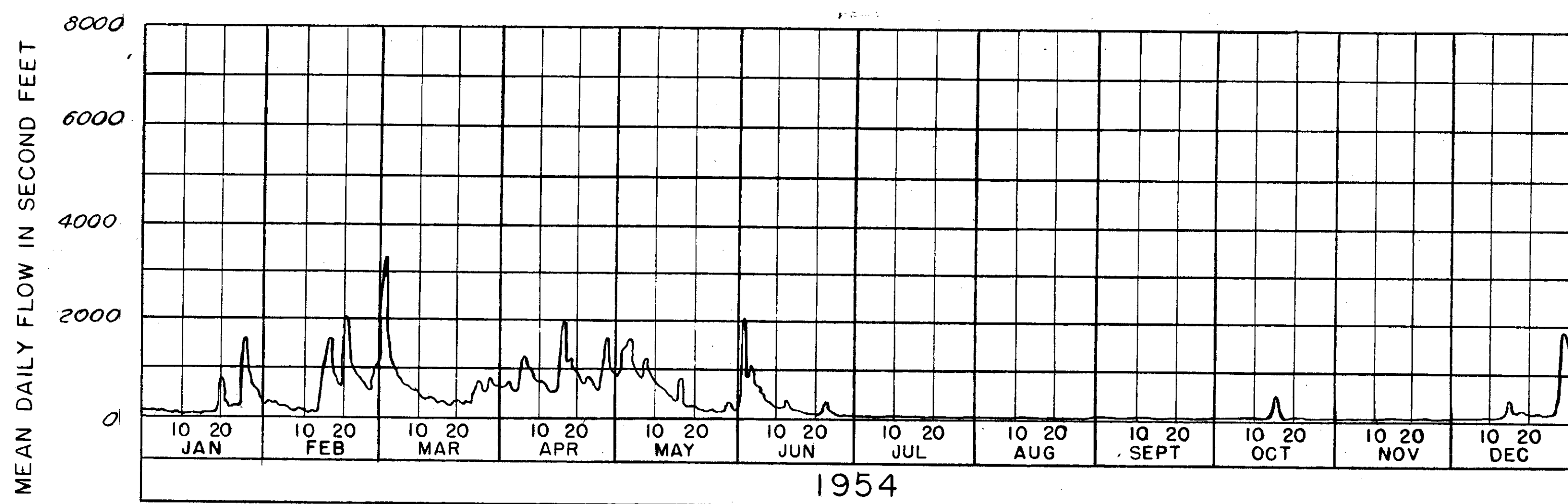
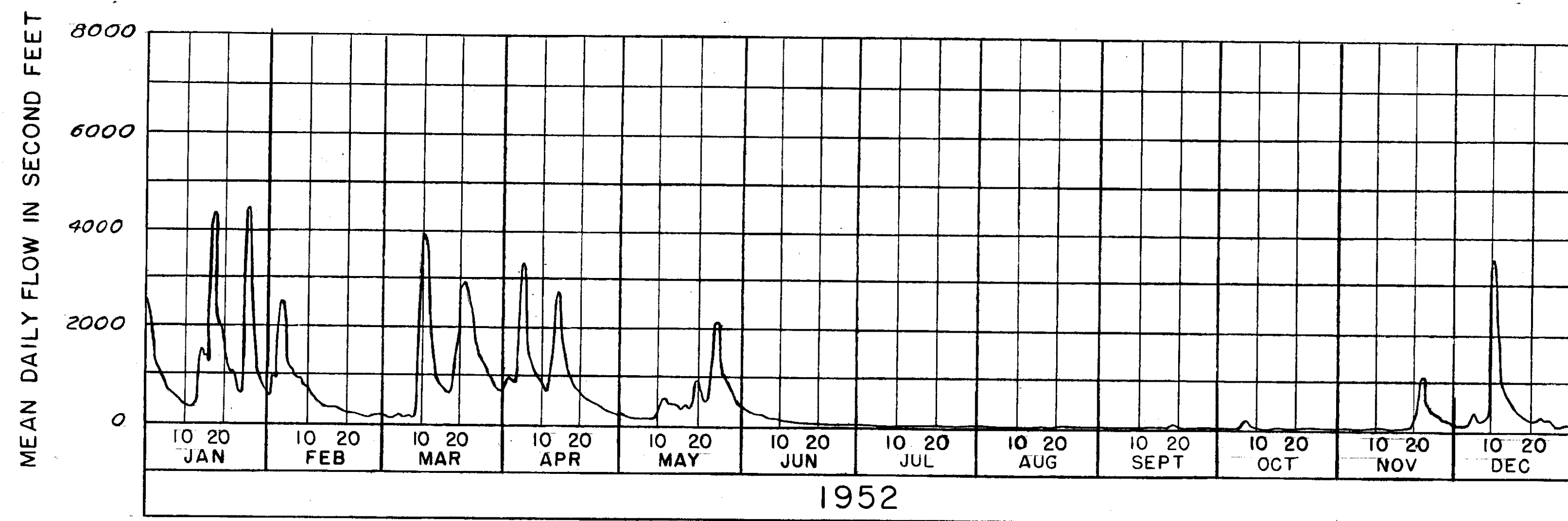
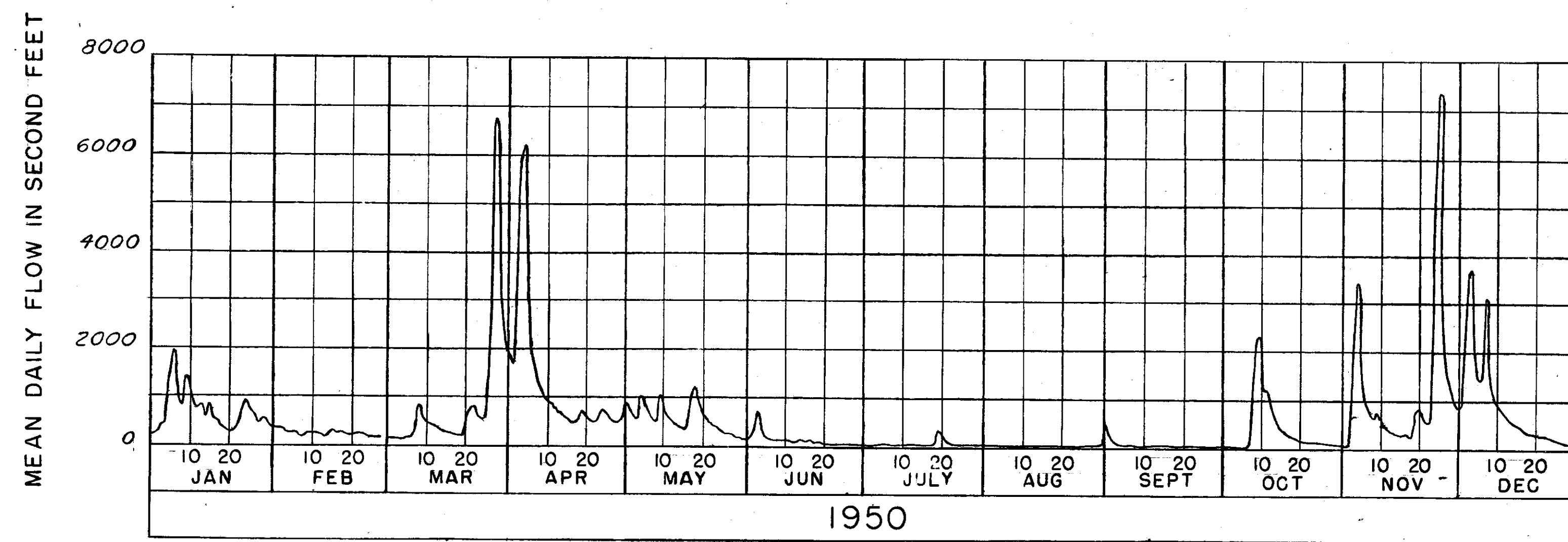
LEGEND
----- New Riprap
..... Design Flood Line
New Fill Area

VILLAGE OF WELLSVILLE

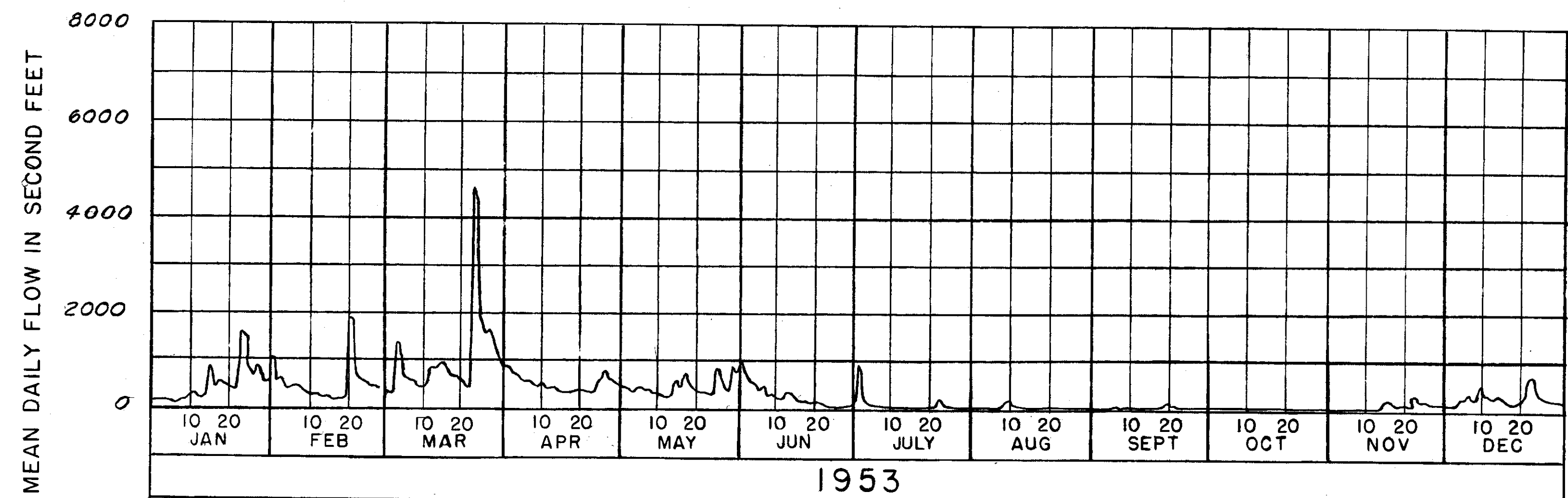
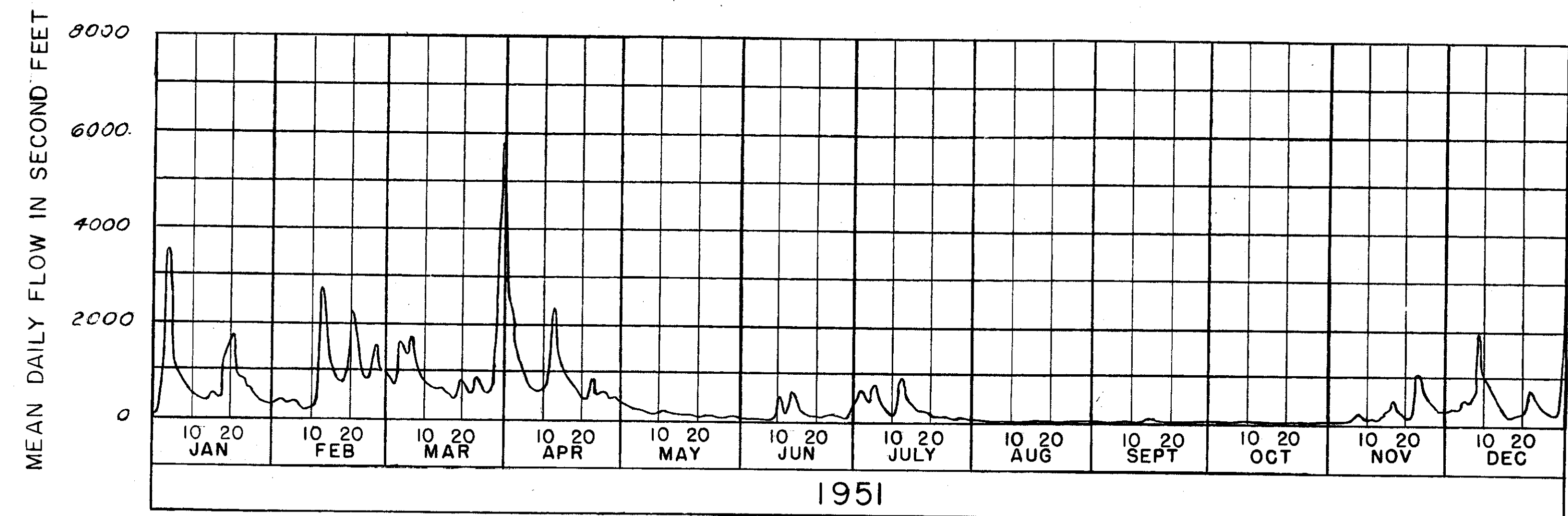


AS CONSTRUCTED	
SUBMITTED: <i>[Signature]</i> CHIEF, CONSTRUCTION DIVISION	APPROVED: <i>[Signature]</i> COL. C. E. DISTRICT ENGINEER
CORPS OF ENGINEERS U. S. ARMY OFFICE OF THE DISTRICT ENGINEER BUFFALO 7, NEW YORK	
LOCAL FLOOD PROTECTION AT WELLSVILLE, N. Y.	
GENERAL PLAN	
DRAWN BY: V.C.B.	DATE: 17 FEB. 1956
TRACED BY: V.C.B.	
CHECKED BY: <i>[Signature]</i>	
SUBMITTED BY: <i>[Signature]</i>	
APPROVED: <i>[Signature]</i>	
TO ACCOMPANY SPECIFICATIONS SERIAL NO. CIVENG 30-023-56-6	
DRAWING NUMBER F-189-A-10/1 SHEET 1 OF 19	
SCALE: AS SHOWN SPEC. NO.	
DATE: 17 FEB. 1956	

PLATE I



DISCHARGE HYDROGRAPHS AT SCIO, NEW YORK
(U. S. GEOLOGICAL SURVEY GAGING STATION)
GENESEE RIVER



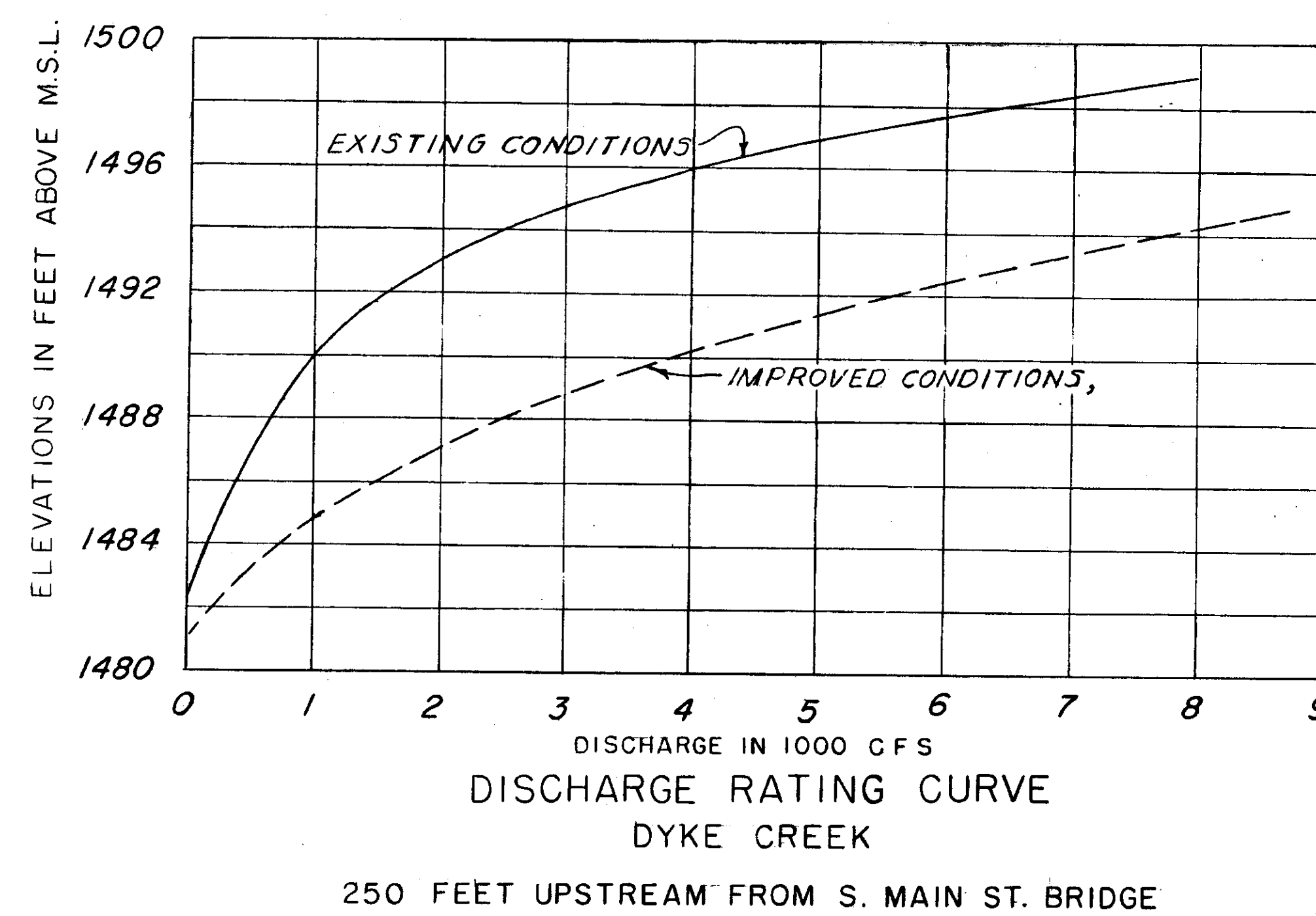
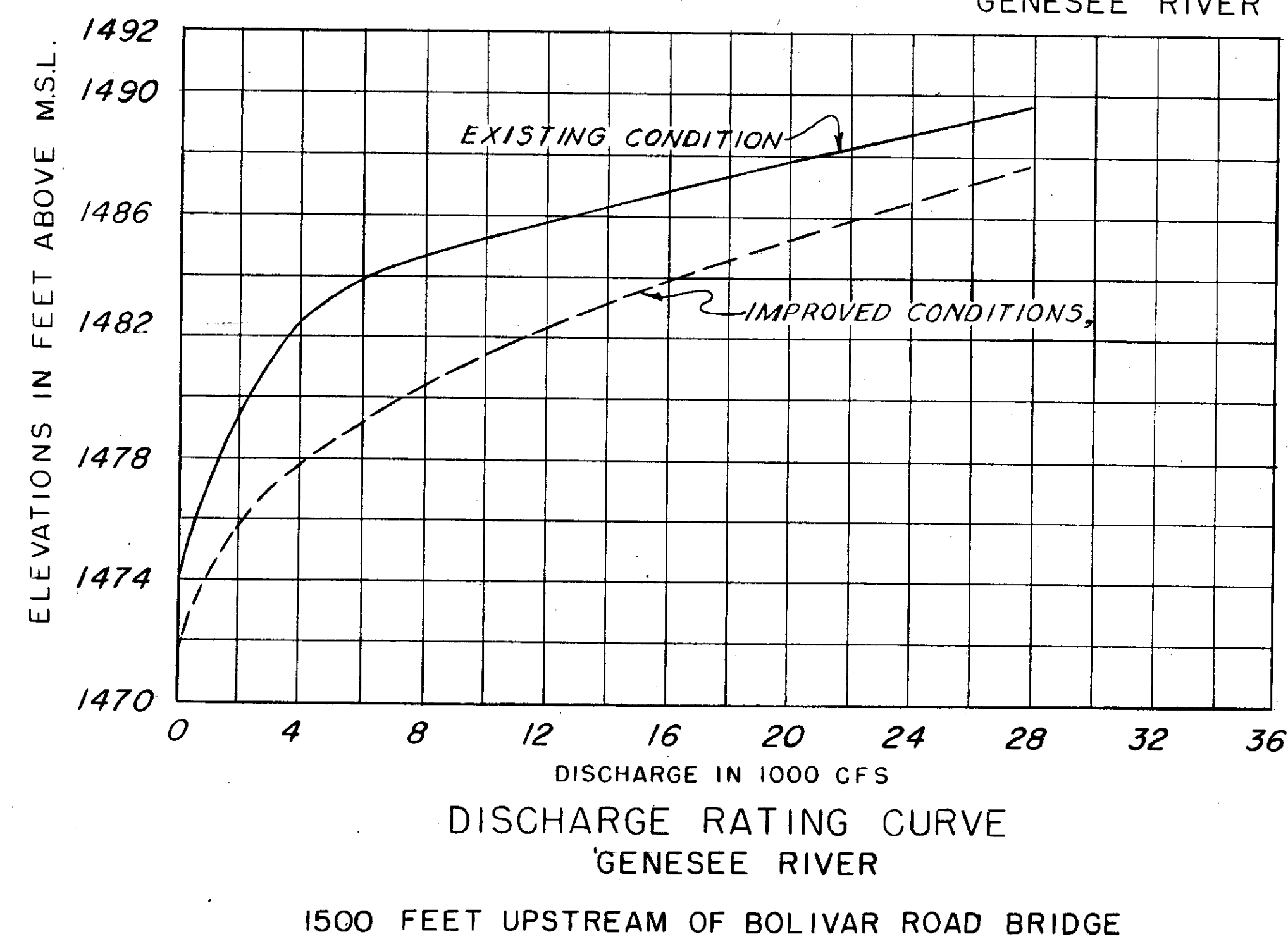
DISCHARGE HYDROGRAPHS AT SCIO, NEW YORK
(U. S. GEOLOGICAL SURVEY GAGING STATION)
GENESEE RIVER

NOTES

THE HYDROGRAPHS SHOWN ARE FOR THE U. S. GEOLOGICAL SURVEY RECORDING GAGE ON THE GENESEE RIVER, 4 MILES UPSTREAM FROM VANDERMARK CREEK AND THREE-QUARTERS OF A MILE UPSTREAM FROM SCIO, ALLEGANY COUNTY, NEW YORK.

THE RATED CURVES HAVE BEEN DERIVED BY STANDARD PROCEDURES, AND ARE SHOWN FOR CONTRACTOR'S GENERAL INFORMATION ONLY.

ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL

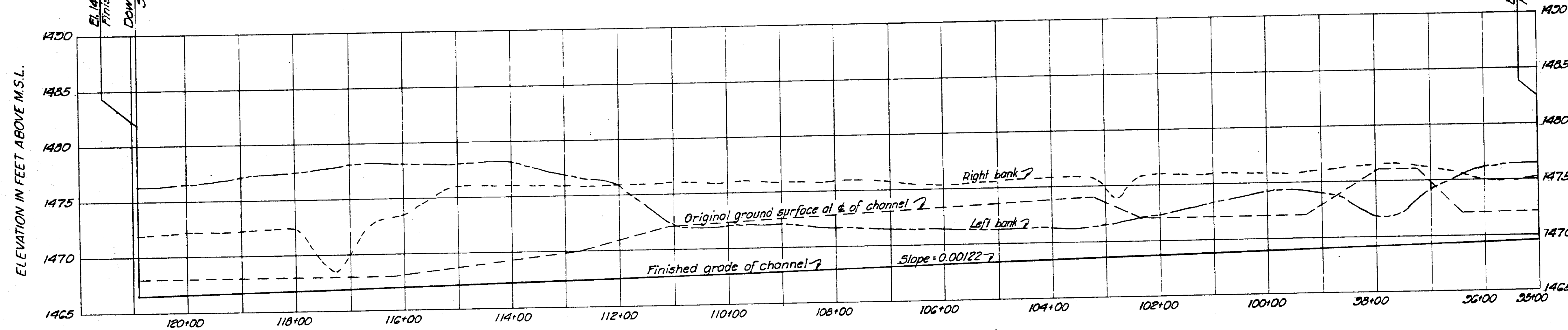
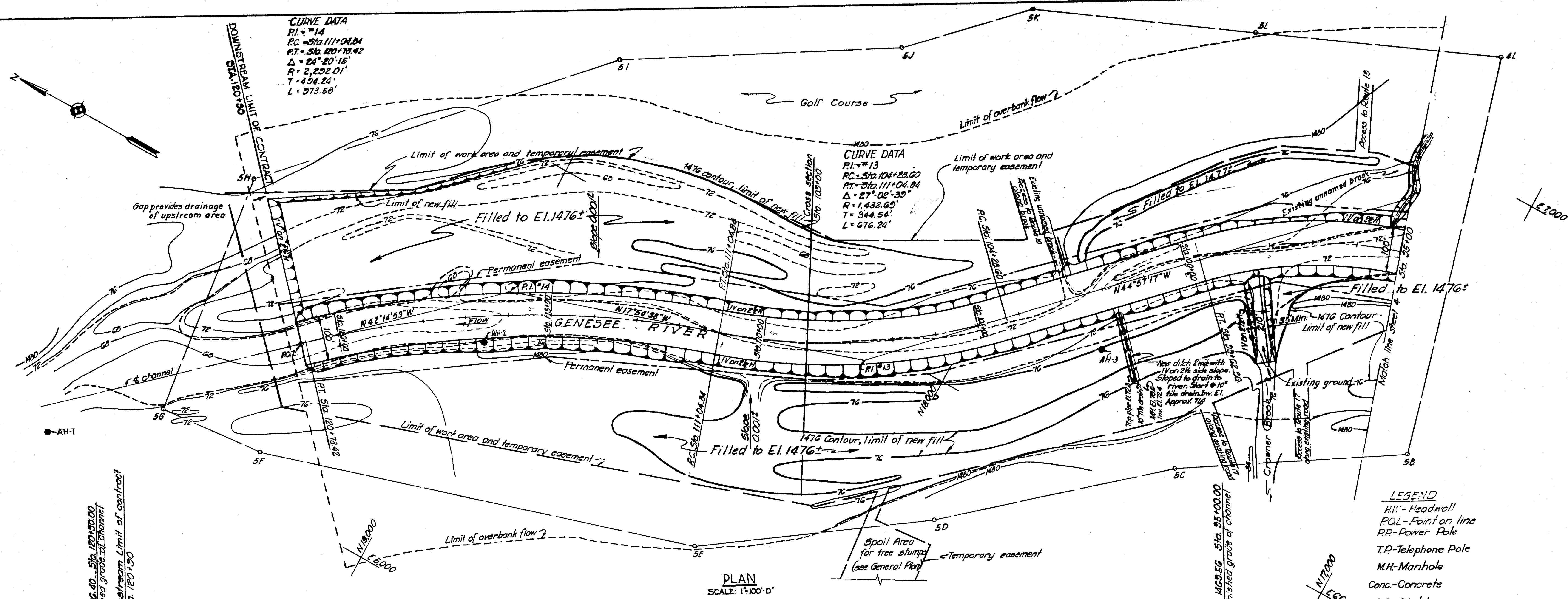


AS CONSTRUCTED

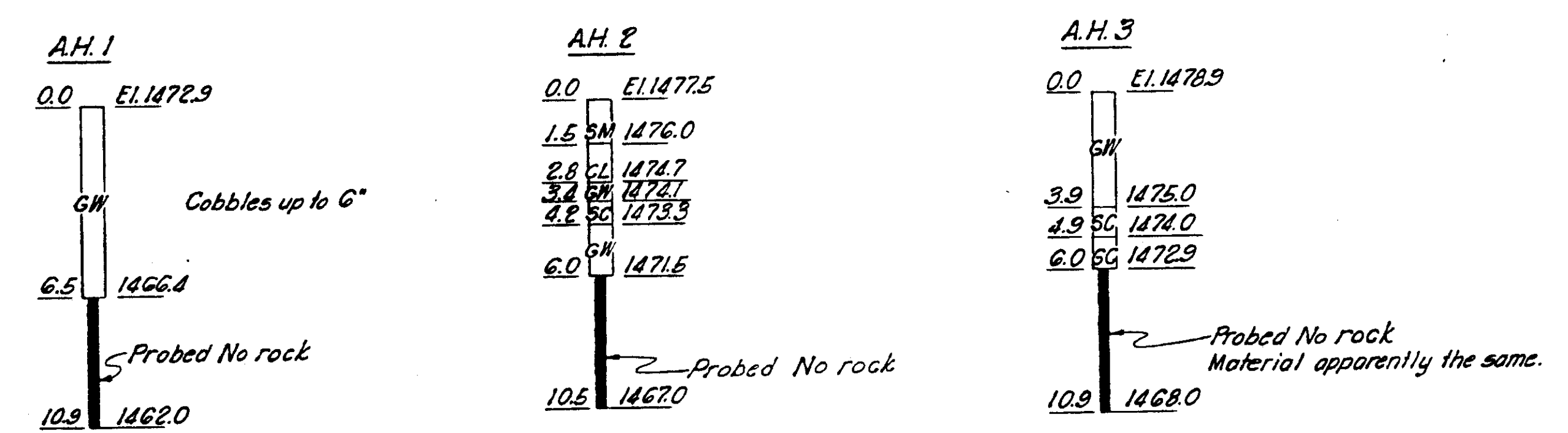
SUBMITTED:
Charles J. Brown
CHIEF, CONSTRUCTION DIVISION

APPROVED:
Robert P. Butler
COL., C. E. DISTRICT ENGINEER

REVISION	DATE	DESCRIPTION	BY
CORPS OF ENGINEERS U. S. ARMY OFFICE OF THE DISTRICT ENGINEER BUFFALO 7, NEW YORK			
DRAWN BY: R.D.B.		LOCAL FLOOD PROTECTION AT WELLSVILLE, N.Y.	
TRACED BY: R.D.B.		HYDROGRAPHS AND RATING CURVES	
CHECKED BY: <i>JD</i>		DATE: 17 FEB. 1956	
SUBMITTED BY: <i>Charles J. Brown</i>		APPROVED: <i>Robert P. Butler</i>	
TO ACCOMPANY SPECIFICATIONS SERIAL NO. CIVENG-30-023-56-6		SCALE: AS SHOWN SPEC. NO.	
DATE:		DRAWING NUMBER F-189-A-10/2 SHEET 2 OF 19	



- LEGEND**
- HH - Headwall
 - POL - Point on line
 - RR - Power Pole
 - T.P - Telephone Pole
 - M.H - Manhole
 - Conc - Concrete
 - C.I - Cast Iron
 - C.M - Corrugated Metal
 - V.T - Vitrified Tile
 - P.C - Point of Curvature
 - P.T - Point of Tangency
 - P.I - Point of Intersection of Tangents
 - "DH" or "AK" - Point on Traverse
 - Hyd - Hydrant
 - T.P - Test Pit
 - A.H - Auger Hole
 - C.H - Core Hole
 - Railroad
 - New Cut or Fill Slope
 - New Dumped Riprap
 - New Derrick Stone



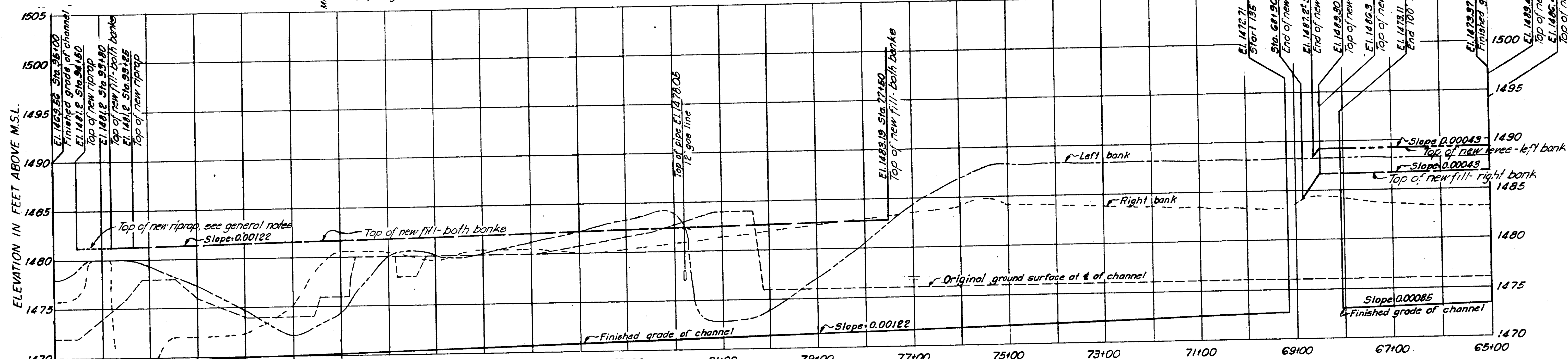
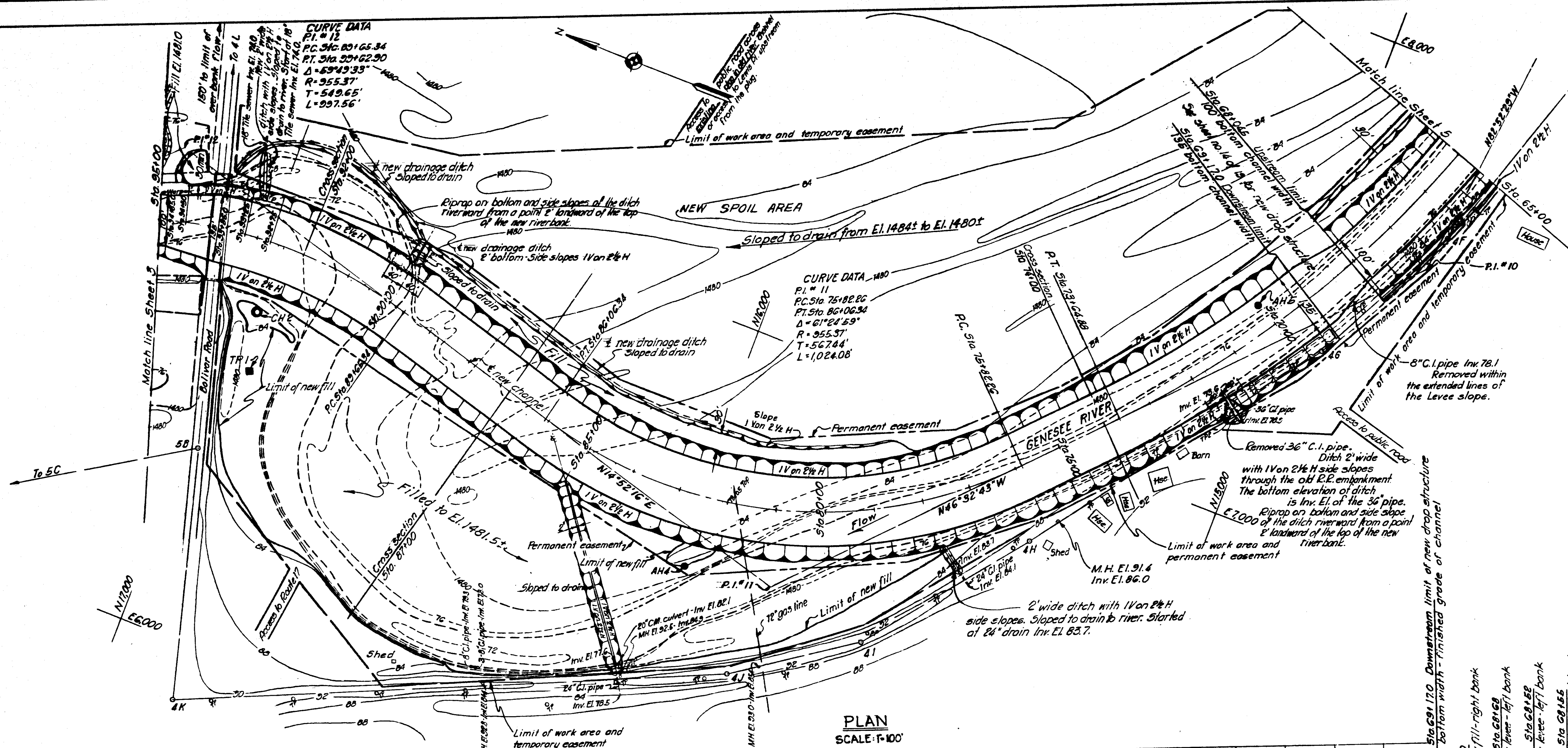
COORDINATES

POINT	STATION	NORTH	EAST
PI #13		18,181.00	5,353.00
PI #14		18,272.13	5,625.05
P.O.L.	120+90.00	19,353.56	5,354.97

- LEGEND FOR SOIL CLASSIFICATIONS**
- SM - Silty sand, or gravelly silty sand.
 - SC - Clayey sand or gravelly clayey sand.
 - GW - Well graded gravel or sandy gravel, little or no fines.
 - GC - Clayey gravel or sandy clayey gravel.
 - CL - Lean clay or sandy clay, gravelly clay or silty clay of low to medium plasticity (inorganic).
 - CH - Inorganic clays of high plasticity.
 - ML - Inorganic silts, sandy silts, or clayey silts of slight plasticity.
- Classifications are in accordance with United Soil Classification System and are based on field log of borings.

REFERENCES:
 For general notes see sheet 4

AS CONSTRUCTED	
SUBMITTED: <i>Charles H. Smith</i> CHIEF, CONSTRUCTION DIVISION	APPROVED: <i>Carl H. Smith</i> COL., U.S. DISTRICT ENGINEER
REVISION	DATE
CORPS OF ENGINEERS U. S. ARMY OFFICE OF THE DISTRICT ENGINEER BUFFALO 7, NEW YORK	
DRAWN BY: R.W.W. - PFG. TRACED BY: R.W.W. - PFG. CHECKED BY: <i>[Signature]</i> SUBMITTED: <i>[Signature]</i> APPROVED: <i>[Signature]</i> SCALE: AS SHOWN SPEC. NO.	
PLAN & PROFILE GENESEE RIVER STA. 95+00 TO STA. 120+90 DATE: 17 FEB. 1956	
APPROVED: TO ACCOMPANY SPECIFICATIONS SERIAL NO. CIVENS - 30-023-56-6 SHEET 3 OF 19	



Blows/ft Depth, C.H.P.

Depth	Blows/ft	Notes
0.0	1483.0	TP 1
3.0	1480.0	Ground Water 3 Feb. 1953
6.3	1476.7	
8.0	1473.0	
12.7	1469.9	
17.4	1468.4	
21.0	1464.8	
31.0	1454.8	
46.0	1434.3	
51.0	1434.3	

AS CONSTRUCTED

SUBMITTED: *[Signature]*
 CHIEF, CONSTRUCTION DIVISION

APPROVED: *[Signature]*
 COL. C. E. DISTRICT ENGINEER

AS CONSTRUCTED

SUBMITTED: *[Signature]*
 CHIEF, CONSTRUCTION DIVISION

APPROVED: *[Signature]*
 COL. C. E. DISTRICT ENGINEER

COOPER'S ENGINEERS
 U. S. ARMY
 OFFICE OF THE DISTRICT ENGINEER
 BUFFALO 7, NEW YORK

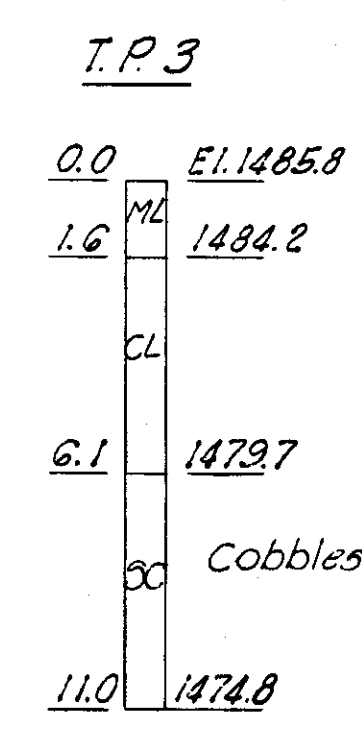
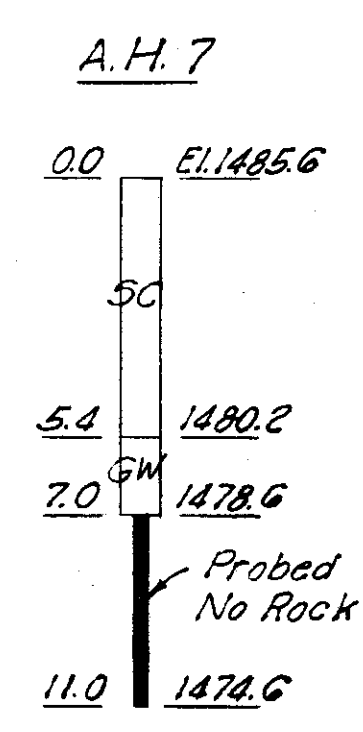
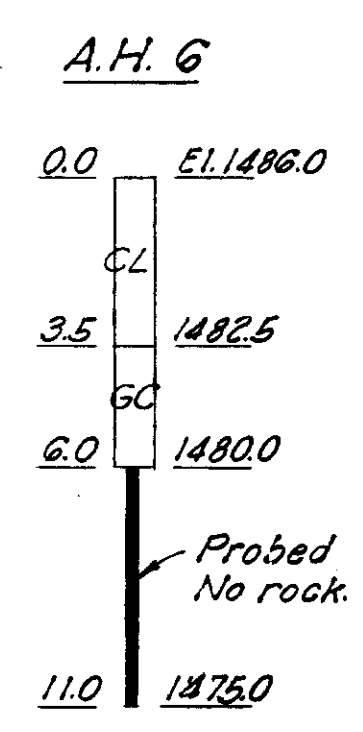
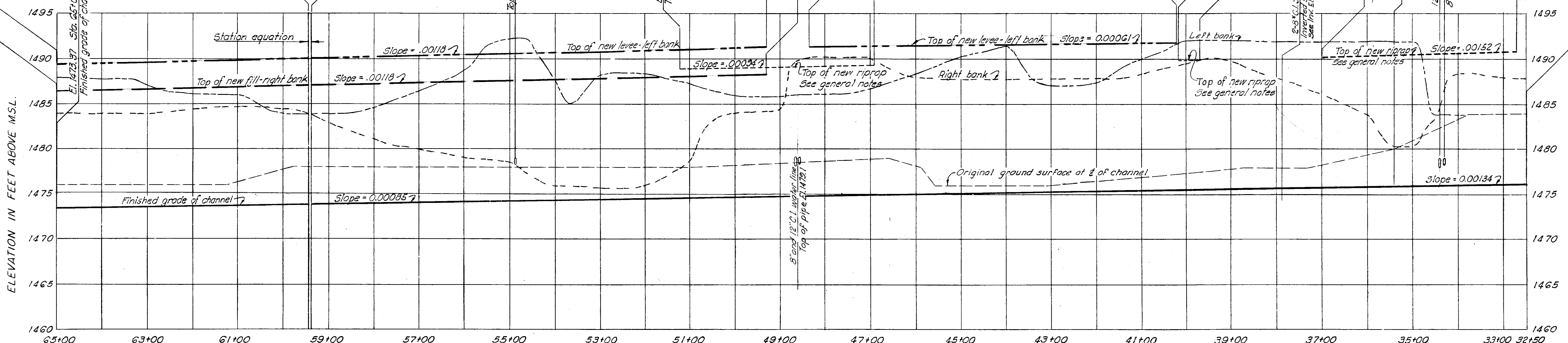
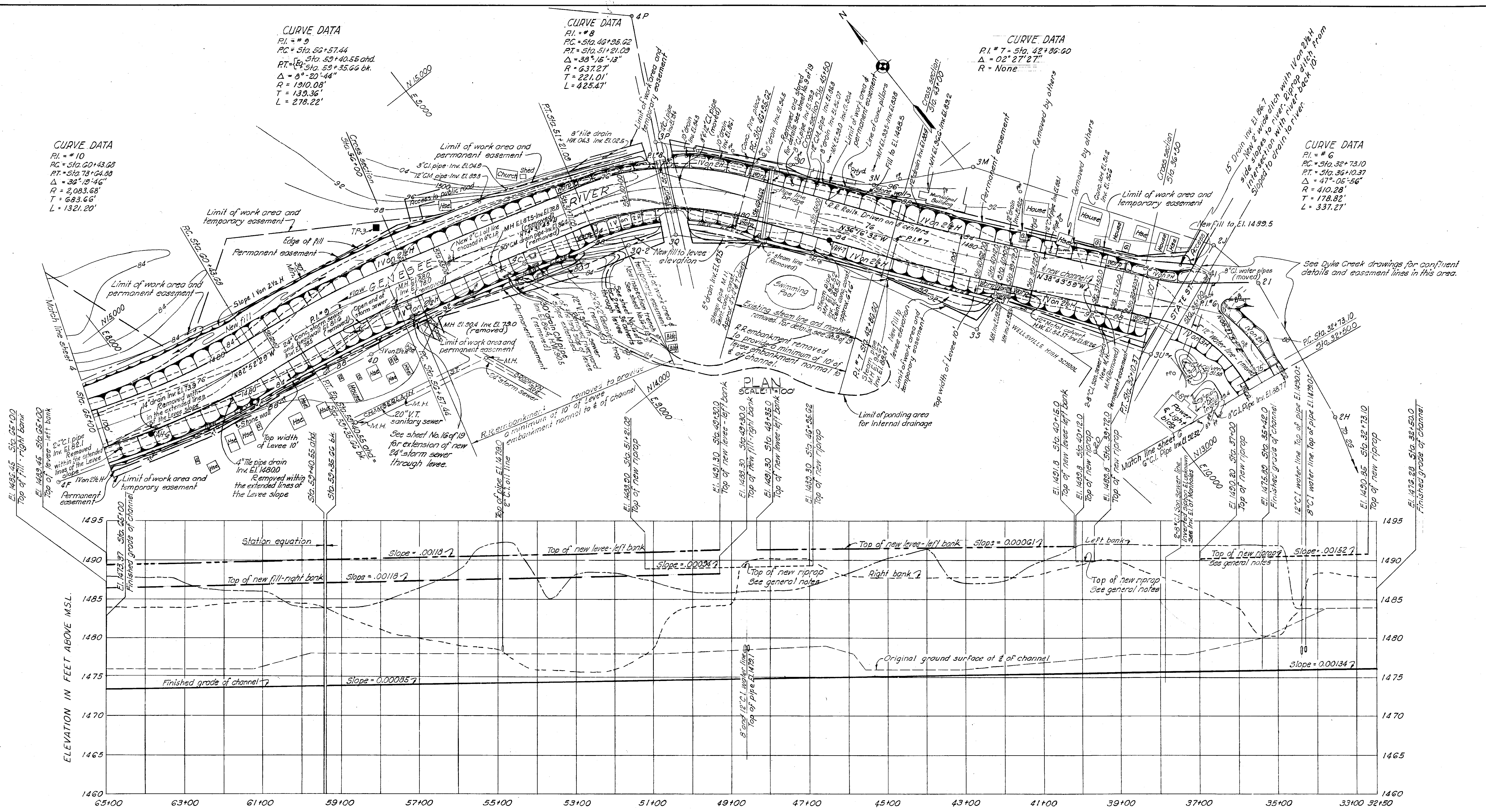
LOCAL FLOOD PROTECTION AT
 WELLSVILLE, N.Y.
PLAN & PROFILE
GENESEE RIVER
 STA. 65+00 TO STA. 95+00

DATE: 17 FEB. 1956

SCALE: AS SHOWN SPEC. NO. F-189-A-10/4

DRAWING NUMBER: SHEET 4 OF 19

PLATE 4



COORDINATES			
POINT	STATION	NORTH	EAST
P.I.*6		13,253.00	10,202.00
P.I.*7	42+86.60	13,920.00	9,757.00
P.I.*8		14,427.92	9,384.23
P.I.*9		14,627.12	8,520.00
P.I.*10		14,782.00	7,901.00

REFERENCES:
 For general notes, see sheet 4
 For legend, see sheet 3

AS CONSTRUCTED	
SUBMITTED: <i>James H. Brown</i> CHIEF, CONSTRUCTION DIVISION	APPROVED: <i>Earl P. Smith</i> COL., C. E. DISTRICT ENGINEER
REVISION	DATE
CORPS OF ENGINEERS U. S. ARMY OFFICE OF THE DISTRICT ENGINEER BUFFALO 7, NEW YORK	
LOCAL FLOOD PROTECTION AT WELLSVILLE, N.Y. PLAN & PROFILE GENESSEE RIVER STA 32+50 TO STA 65+00	
DRAWN BY: PFG & RWW TRACED BY: PFG & RWW CHECKED BY: <i>W. J. Brown</i> SUBMITTED BY: <i>James H. Brown</i> APPROVED: <i>James H. Brown</i> DATE: 17 FEB. 1956	SCALE: AS SHOWN SPEC. NO. DRAWING NUMBER F-189-A-10/5 SHEET 5 OF 19

CURVE DATA
 PI Sta 30+10.1
 PC Sta 28+14.7
 PT Sta 32+06.08
 $\Delta = 13^\circ 15' 42''$
 $R = 1432.69$
 $T = 166.54$
 $L = 331.61$

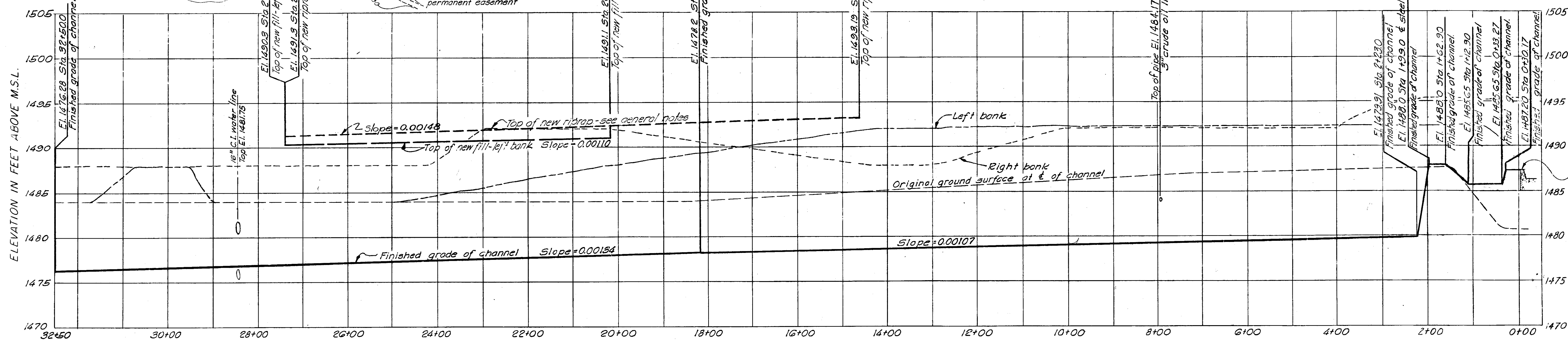
CURVE DATA
 PI #4
 PC Sta 23+28.39
 PT Sta 27+40.93
 $\Delta = 82^\circ 05' 19''$
 $R = 287.94$
 $T = 250.69$
 $L = 412.54$

CURVE DATA
 PI #2
 PC Sta 5+83.35
 PT Sta 12+30.60
 $\Delta = 25^\circ 53' 05''$
 $R = 1432.69$
 $T = 329.24$
 $L = 647.25$

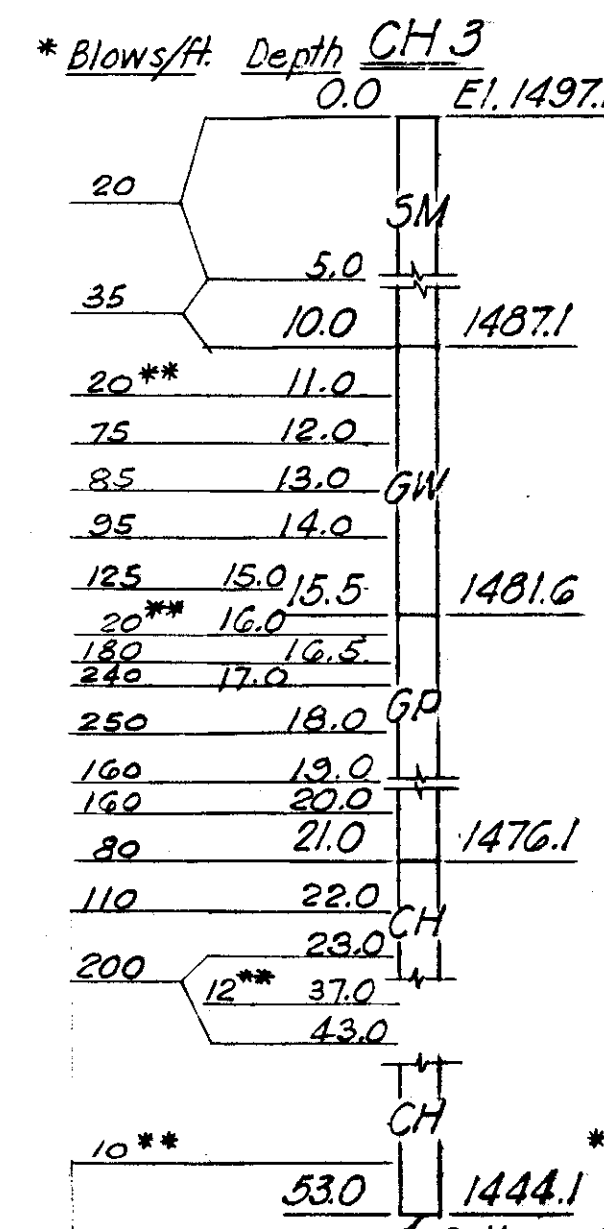
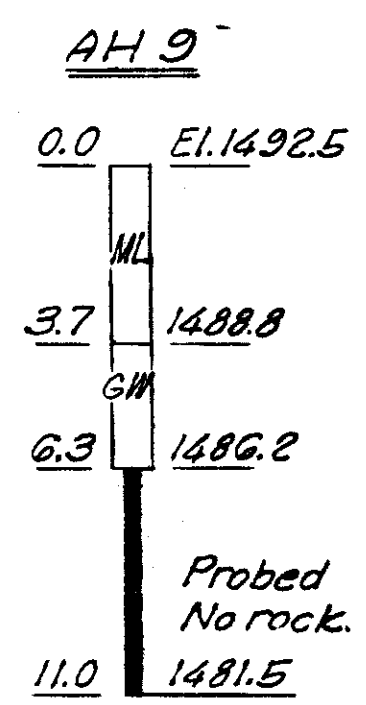
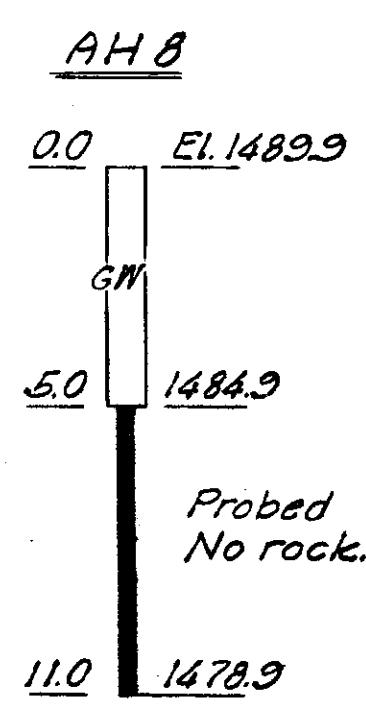
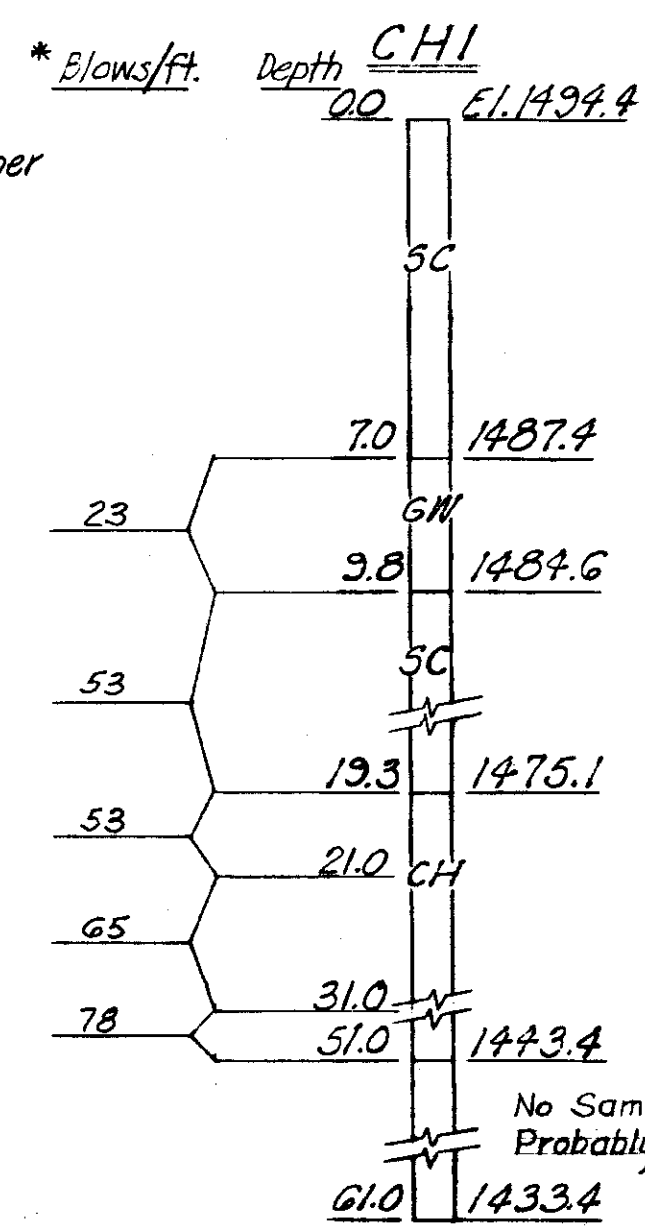
CURVE DATA
 PI #1
 PC Sta 0+08.17
 PT Sta 1+02.30
 $\Delta = 45^\circ 13' 53''$
 $R = 120$
 $T = 49.99$
 $L = 94.73$

Point	Station	Offset 90° to Baseline
A	9+93	220' W
B	10+38	80' W
C	10+38	40' E
D	10+30	76' E

PLAN
 SCALE: 1"=100'



* 3 1/2" casing with 300 lb. hammer and 12" fall.



PROFILE
 SCALE: 1"=5' VERT.
 1"=100' HOR.

POINT	STATION	NORTH	EAST
CH1	32+50	10,300.26	11,361.32
PI #1		10,313.91	11,304.69
PI #2		11,043.12	10,859.15
PI #3		11,908.00	10,779.00
PI #4		12,333.00	10,029.00
PI #5		12,845.00	10,232.00
PI #6		13,253.00	10,292.00

REFERENCES:
 For general notes, see sheet 4.
 For legend, see sheet 3.

AS CONSTRUCTED

SUBMITTED: *[Signature]* CHIEF, CONSTRUCTION DIVISION
 APPROVED: *[Signature]* COL. C. E. DISTRICT ENGINEER

REVISION	DATE	DESCRIPTION	BY	BY

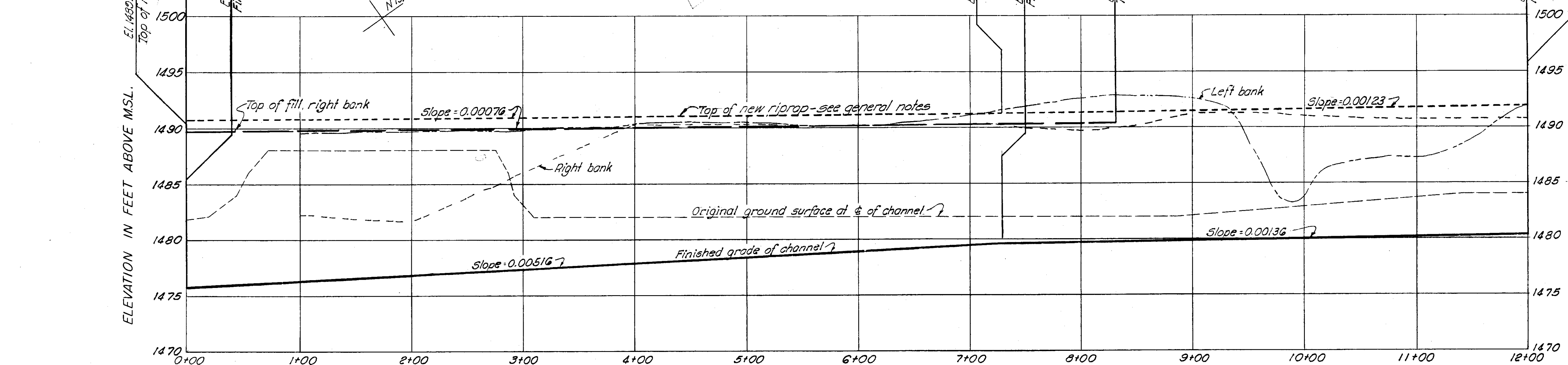
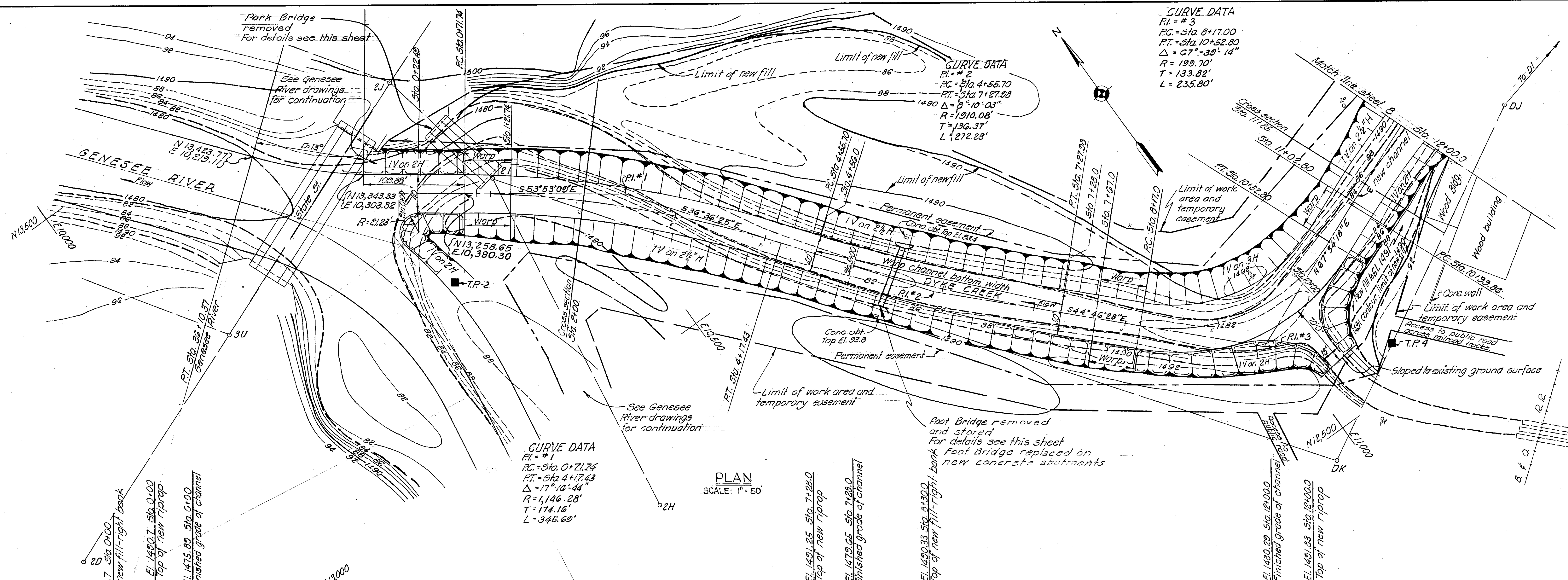
CORPS OF ENGINEERS
 U. S. ARMY
 OFFICE OF THE DISTRICT ENGINEER
 BUFFALO 7, NEW YORK

DRAWN BY: P.F.G.
 TRACED BY: P.F.G.
 CHECKED BY: *[Signature]*
 SUBMITTED BY: *[Signature]*
 APPROVED: *[Signature]* CHIEF, CONSTRUCTION DIVISION
 APPROVED: *[Signature]* COL. C. E. DISTRICT ENGINEER

LOCAL FLOOD PROTECTION AT
 WELLSVILLE, N.Y.
 PLAN & PROFILE
 GENESEE RIVER
 STA. 0+00 TO STA. 32+50
 17 FEB. 1956

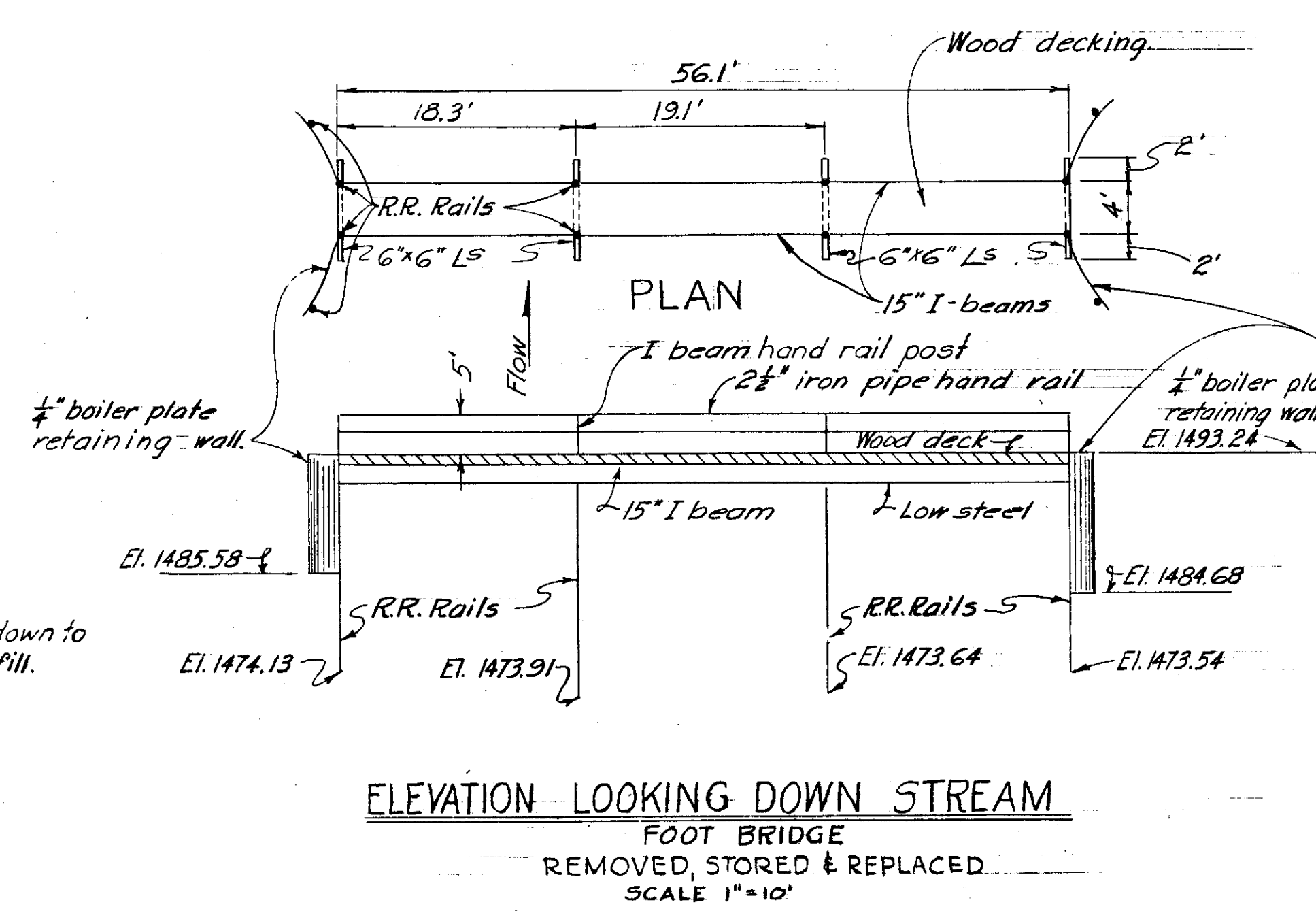
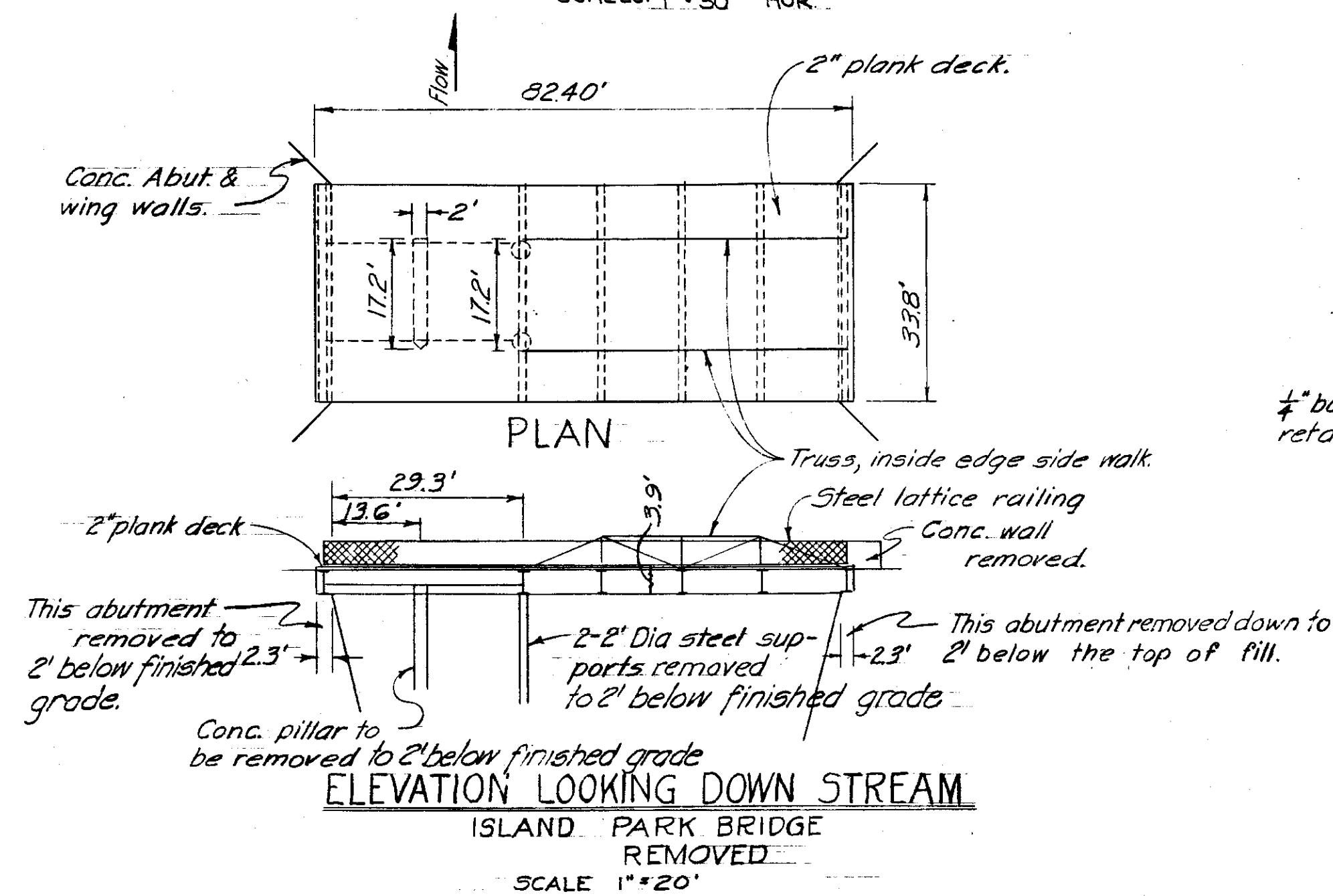
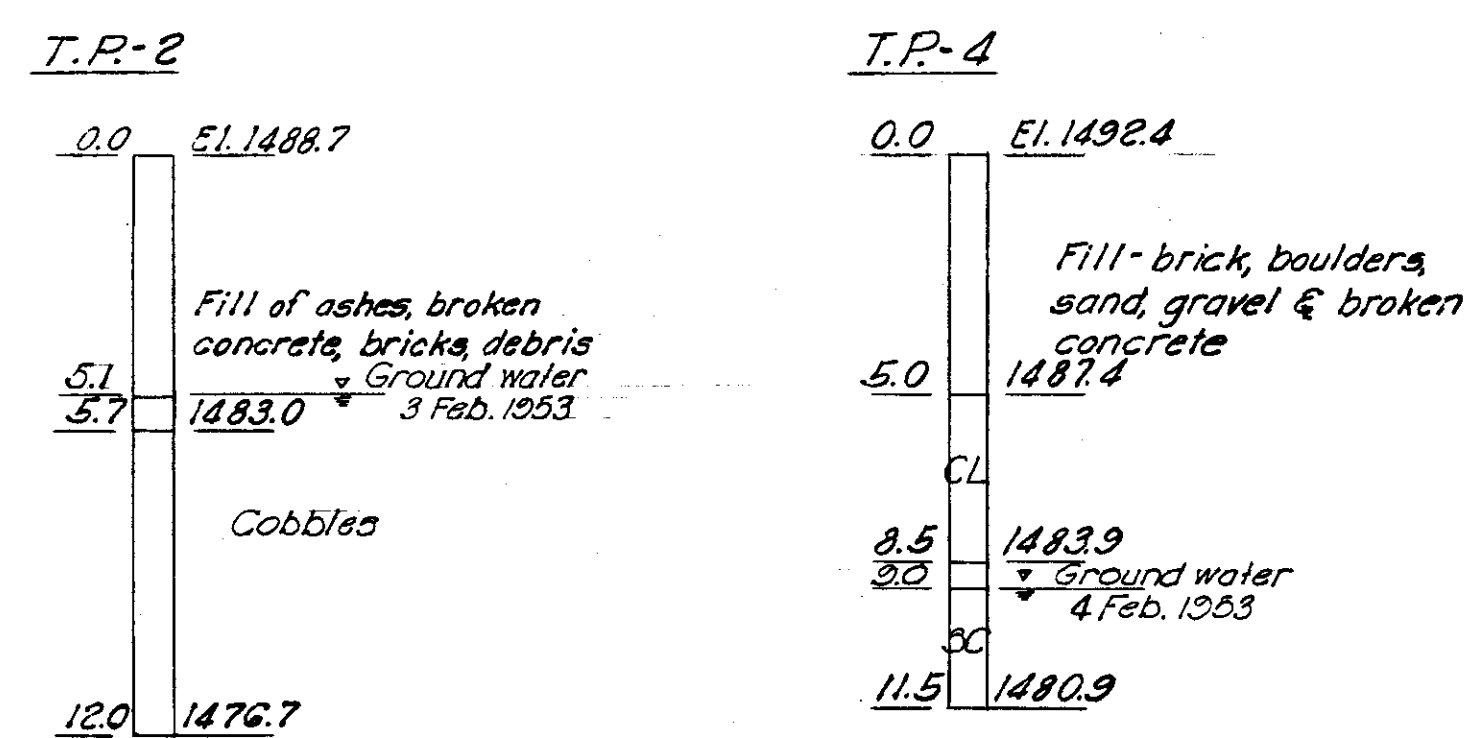
TO ACCOMPANY SPECIFICATIONS
 SERIAL NO. CIVENG-30-023-56-6
 DRAWING NUMBER
 F-189-A-10/6
 SHEET 6 OF 19

SCALE: AS SHOWN SPEC. NO.

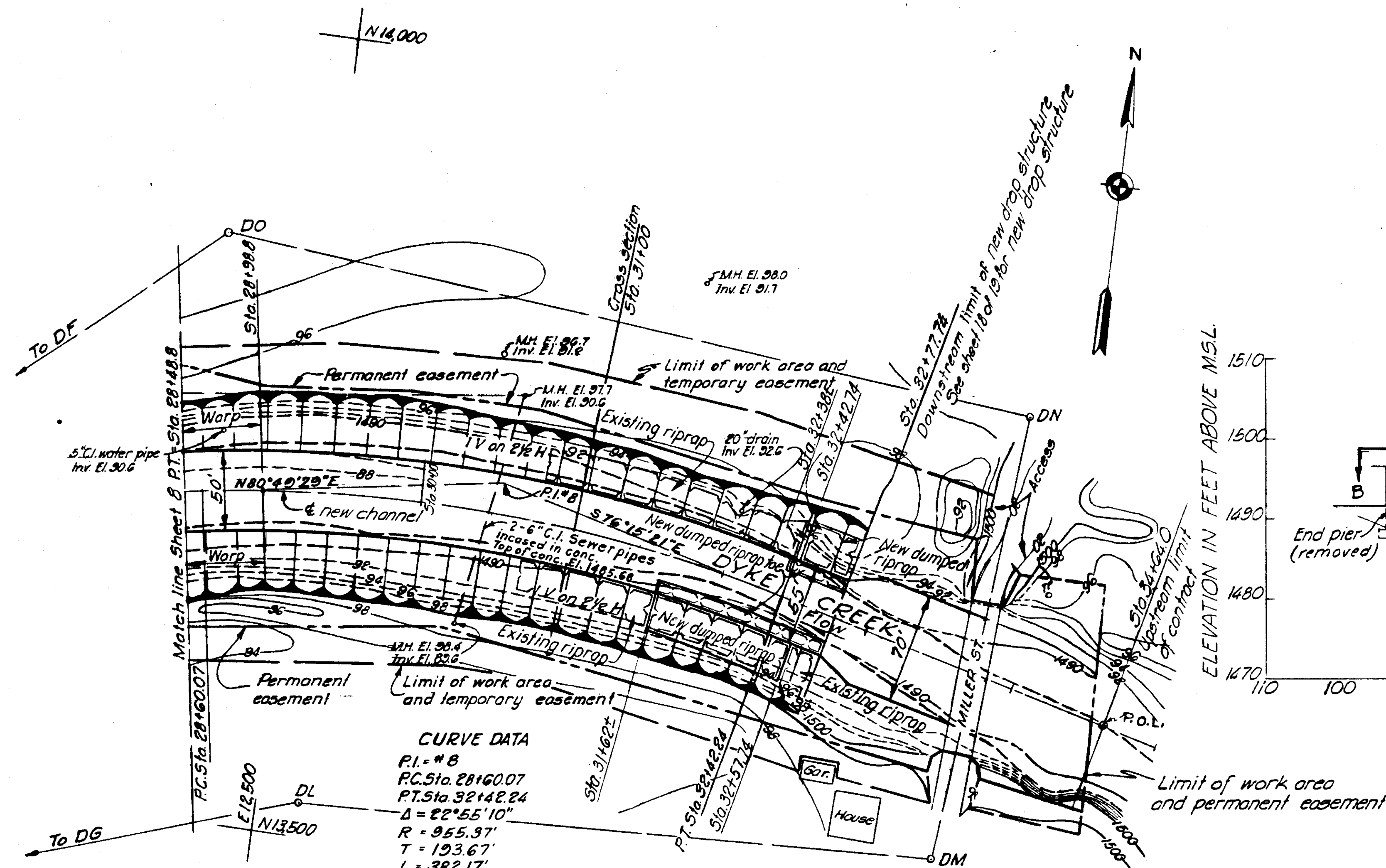


COORDINATES		
POINT	STATION	NORTH EAST
PI #1		13,156.00 10,521.00
PI #2		12,876.00 10,729.00
PI #3		12,621.00 10,982.00

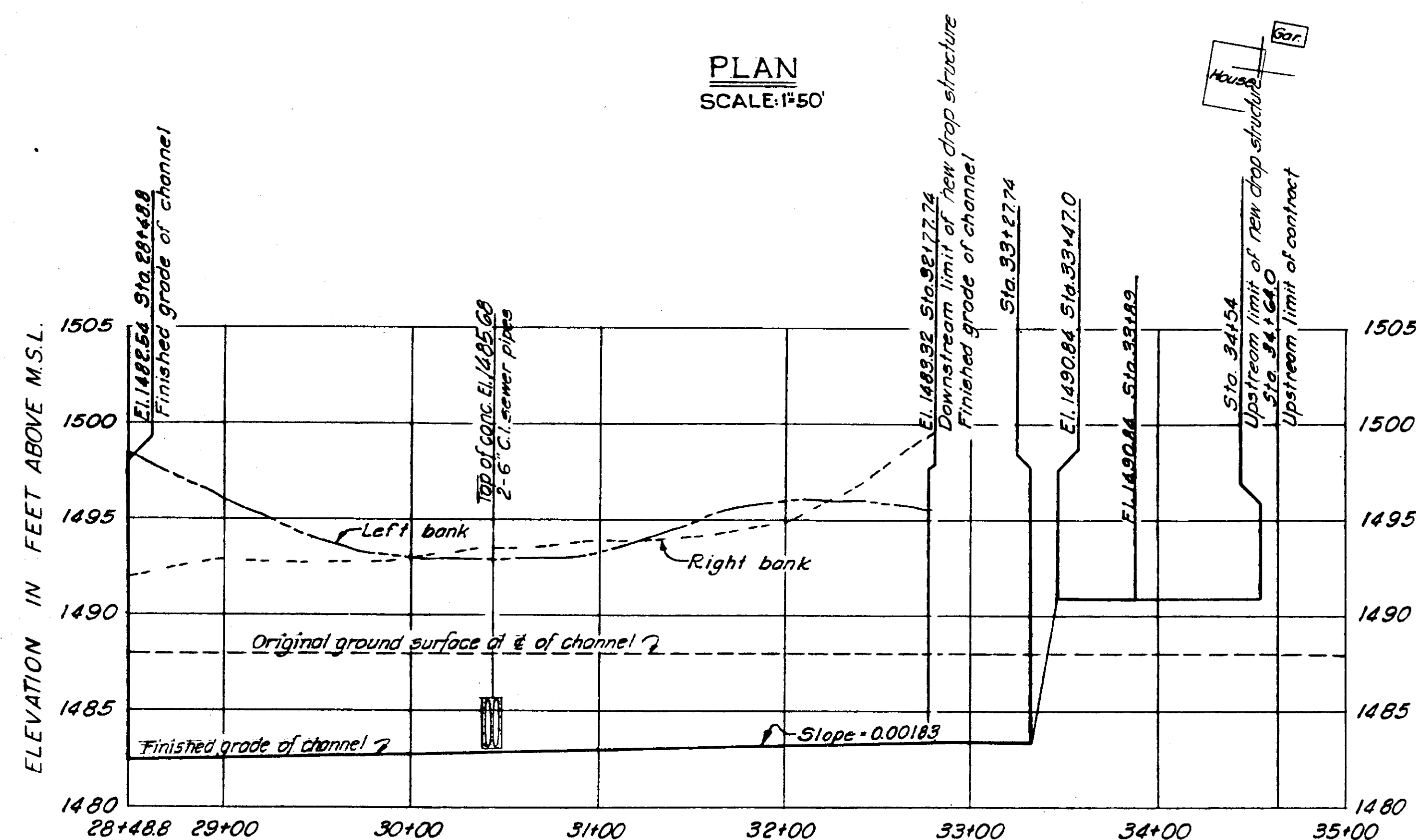
REFERENCES
For general notes, see sheet 4
For legend, see sheet 3



AS CONSTRUCTED			
SUBMITTED: <i>James H. Brown</i> CHIEF, CONSTRUCTION DIVISION		APPROVED: <i>Edna M. Miller</i> COL., C. E. DISTRICT ENGINEER	
REVISION	DATE	DESCRIPTION	BY
CORPS OF ENGINEERS U. S. ARMY OFFICE OF THE DISTRICT ENGINEER BUFFALO 7, NEW YORK			
LOCAL FLOOD PROTECTION AT WELLSVILLE, N.Y. PLAN & PROFILE DYKE CREEK STA 0+00 TO STA 12+00			
DRAWN BY: R.F.G.	TRACED BY: R.F.G.	CHECKED BY: <i>W. J. Brown</i>	APPROVED: <i>Edna M. Miller</i>
SUBMITTED BY: <i>James H. Brown</i>			DATE: 17 FEB. 1956
APPROVED: <i>Edna M. Miller</i>			SPEC. NO.
TO ACCOMPANY SPECIFICATIONS SERIAL NO. CIVENG-30-023-56-6			DRAWING NUMBER F-189-A-10/7
DATE:			SHEET 7 OF 19



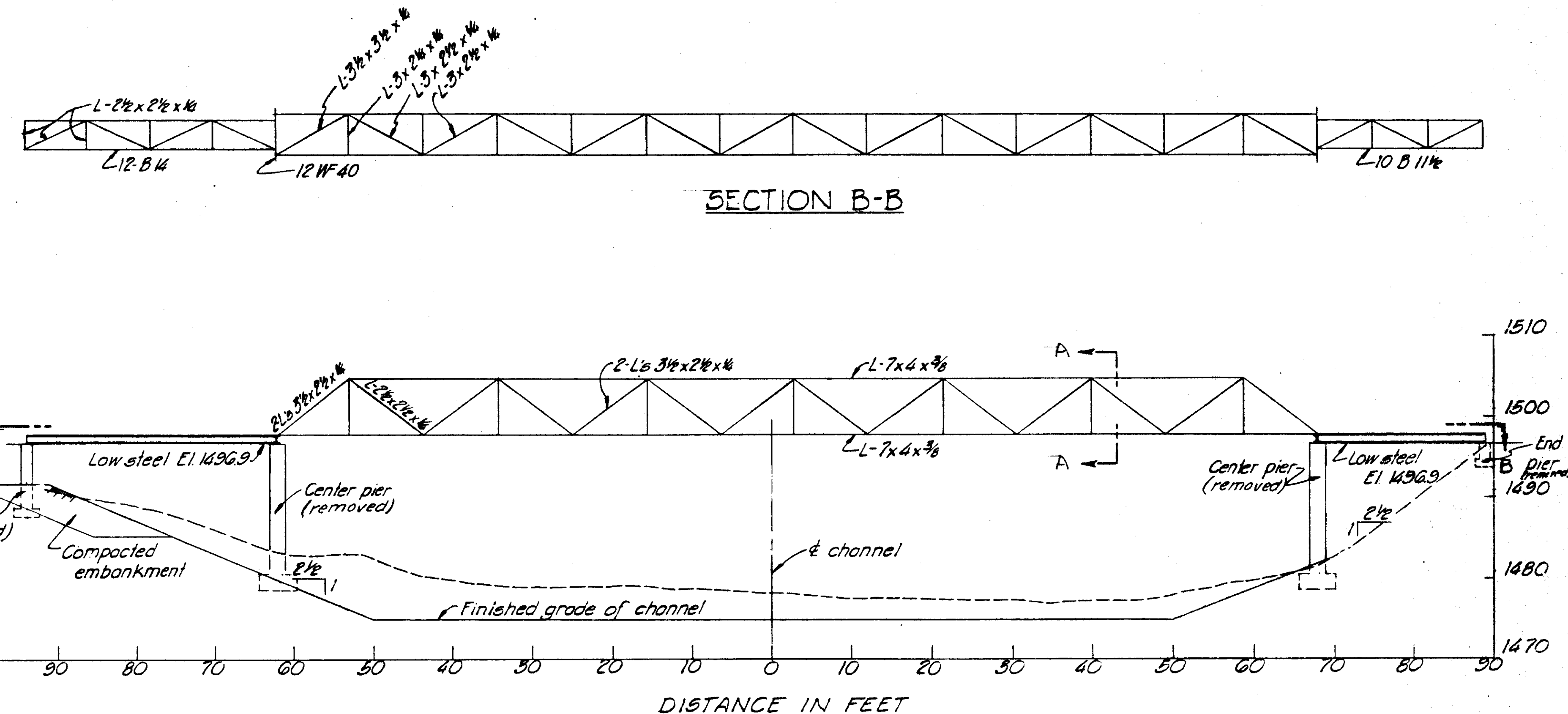
PLAN
SCALE: 1"=50'



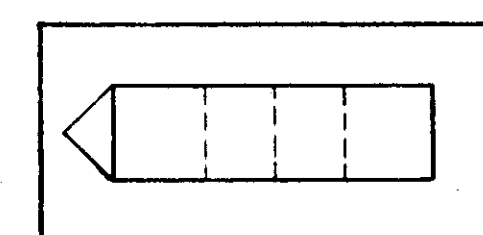
PROFILE
SCALE: 1"=5' VERT.
1"=50' HOR.

REFERENCES:
For general notes, see sheet 4
For legend, see sheet 3

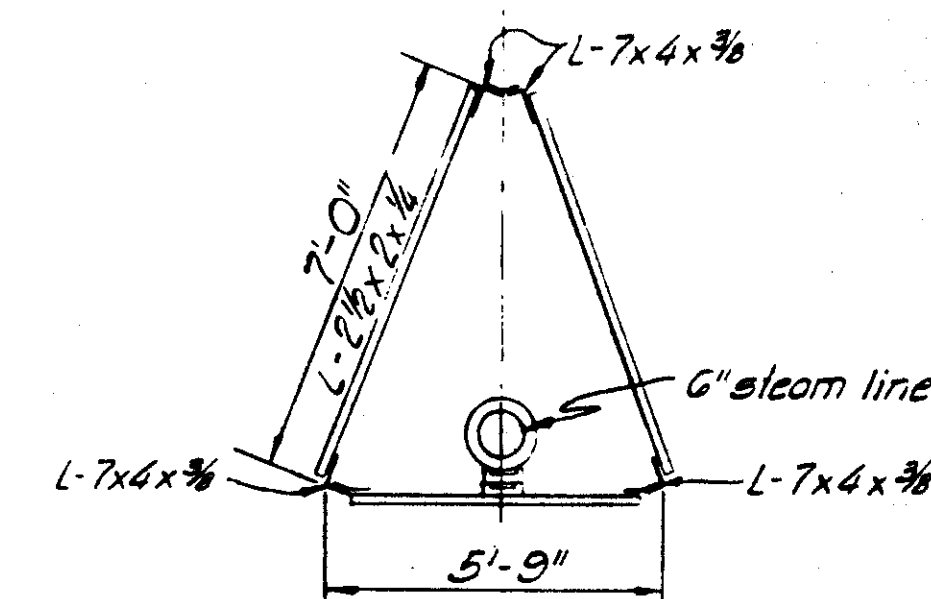
COORDINATES			
POINT	STATION	NORTH	EAST
P.I. # 8		13737.00	12630.00
P.O.L.	34+64.00	13638.30	13033.53



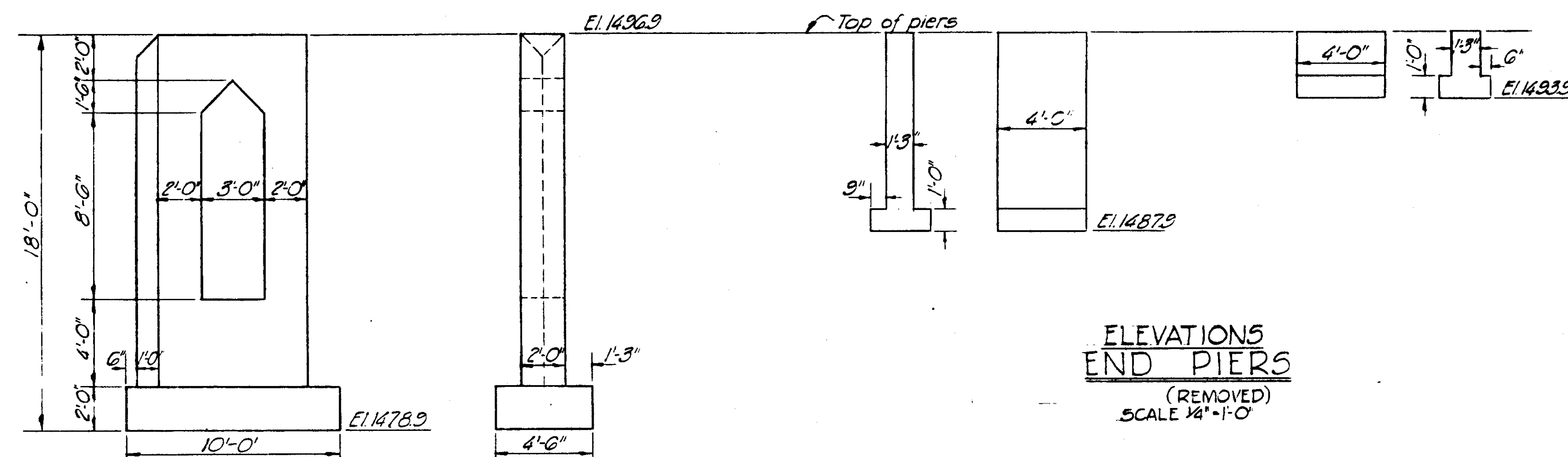
SECTION B-B
UPSTREAM ELEVATION
PIPELINE BRIDGE
(REMOVED)



PLAN

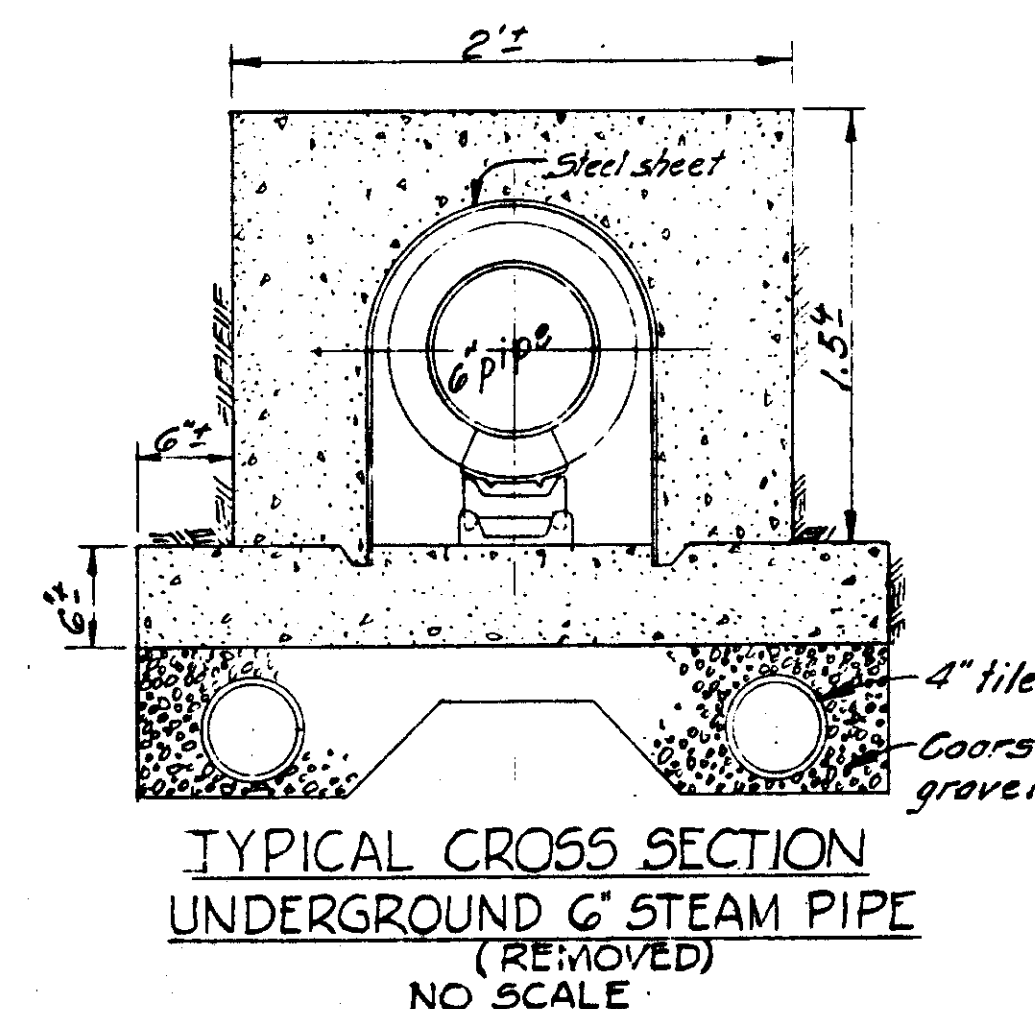


SECTION A-A
NO SCALE



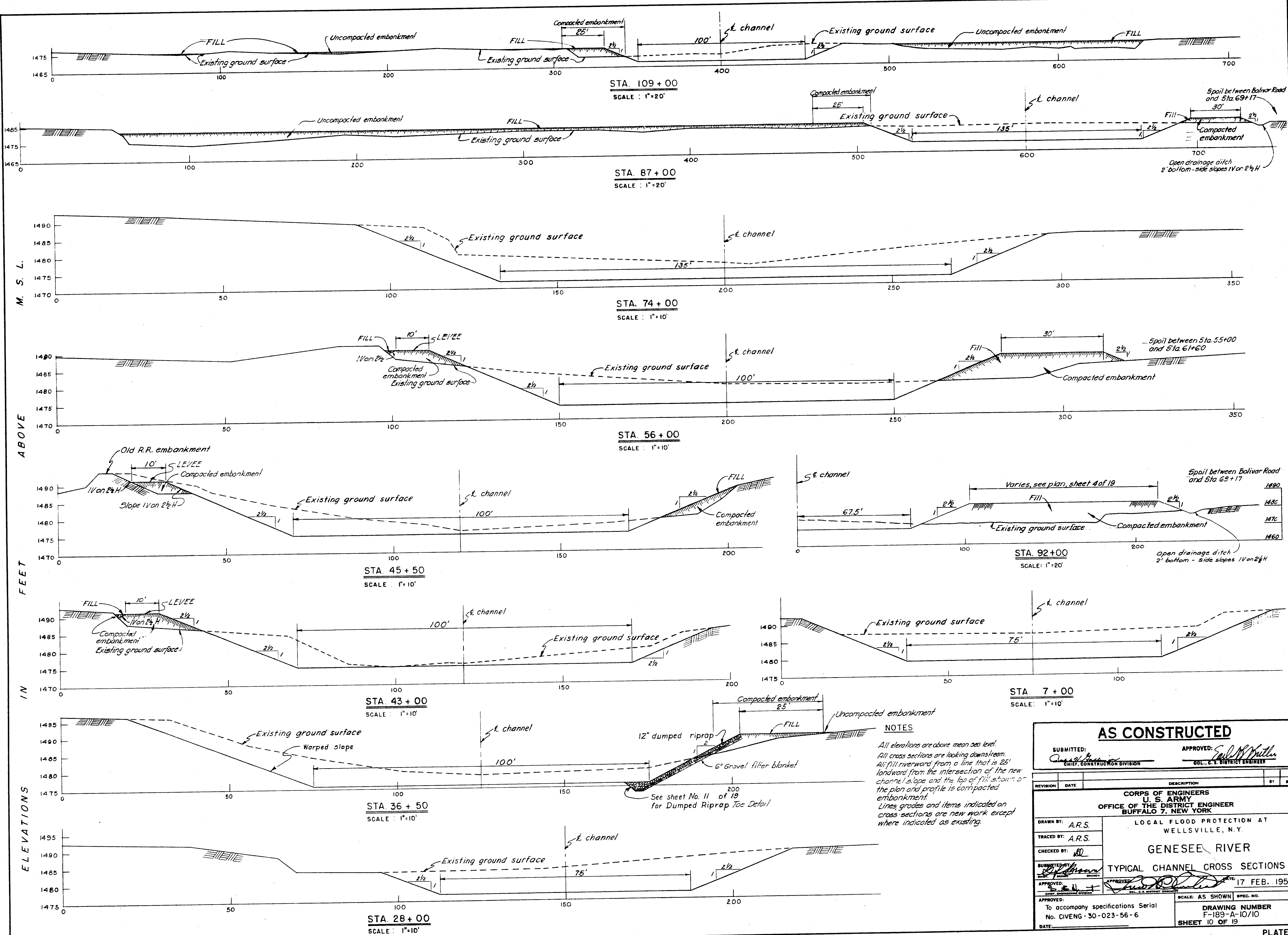
ELEVATIONS
END PIERS
(REMOVED)
SCALE 1/4"=1'-0"

ELEVATIONS
CENTER PIERS
PIERS ARE CONSTRUCTED OF
REINF. CONCRETE
(REMOVED)
SCALE 1/4"=1'-0"



TYPICAL CROSS SECTION
UNDERGROUND G' STEAM PIPE
(REMOVED)
NO SCALE

AS CONSTRUCTED			
SUBMITTED: <i>Charles J. Smith</i> CHIEF, CONSTRUCTION DIVISION		APPROVED: <i>Earl B. Butler</i> COL., C. E. DISTRICT ENGINEER	
REVISION	DATE	DESCRIPTION	BY
CORPS OF ENGINEERS U. S. ARMY OFFICE OF THE DISTRICT ENGINEER BUFFALO 7, NEW YORK			
DRAWN BY: P.F.G.		LOCAL FLOOD PROTECTION AT WELLSVILLE, N.Y.	
TRACED BY: P.F.G.		PLAN 8 PROFILE DYKE CREEK	
CHECKED BY: <i>ll</i>		STA. 28+48.8 TO STA. 34+64	
SUBMITTED BY: <i>Charles J. Smith</i>		DATE: 17 FEB. 1956	
APPROVED BY: <i>Earl B. Butler</i>		SCALE: AS SHOWN SPEC. NO.	
TO ACCOMPANY SPECIFICATIONS SERIAL NO. CIVENG-30-023-56-6		DRAWING NUMBER F-189-A-10/9	
DATE:		SHEET 9 OF 19	

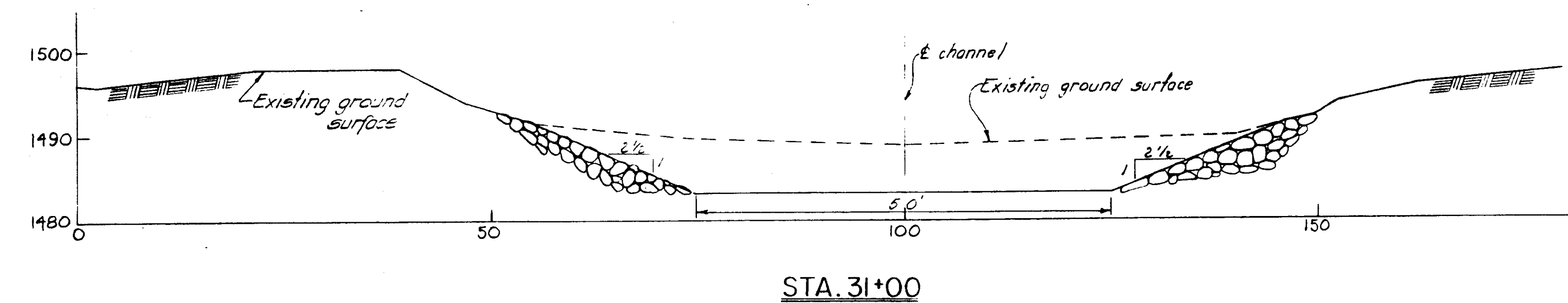
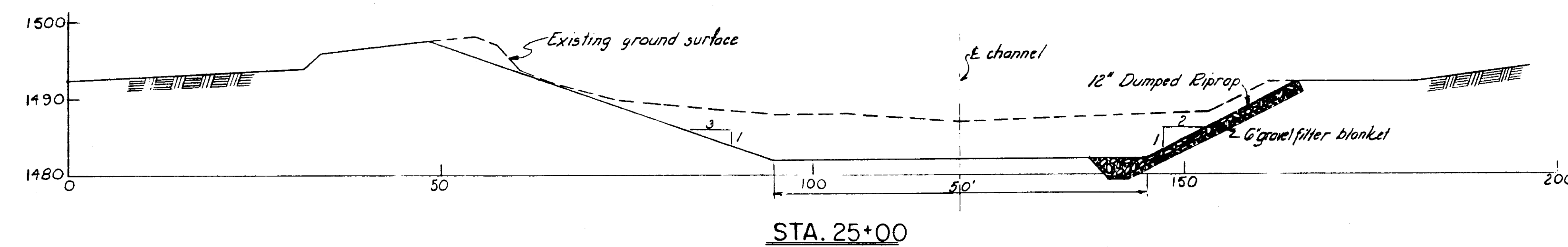
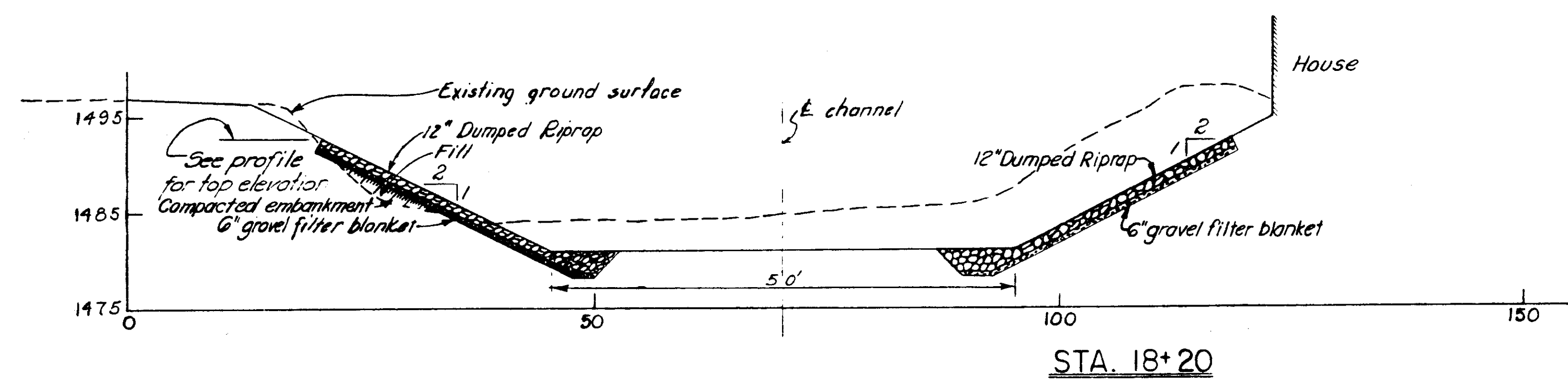
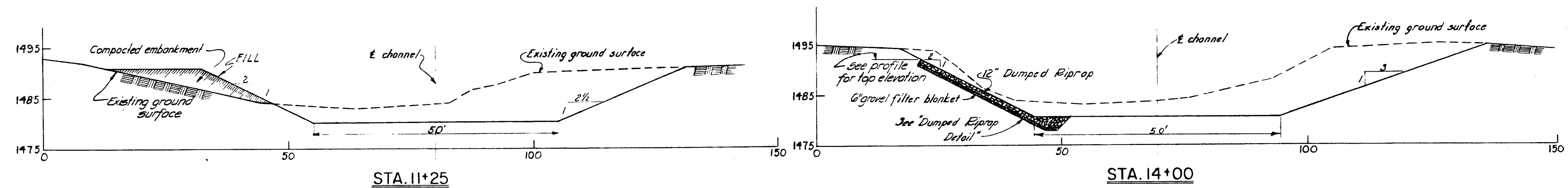
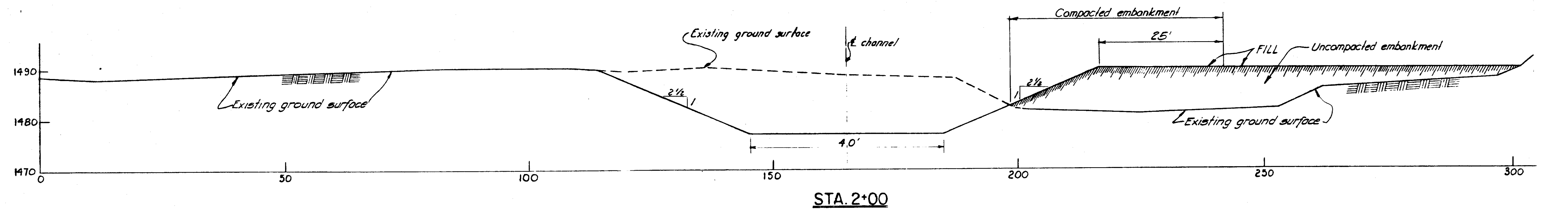


NOTES

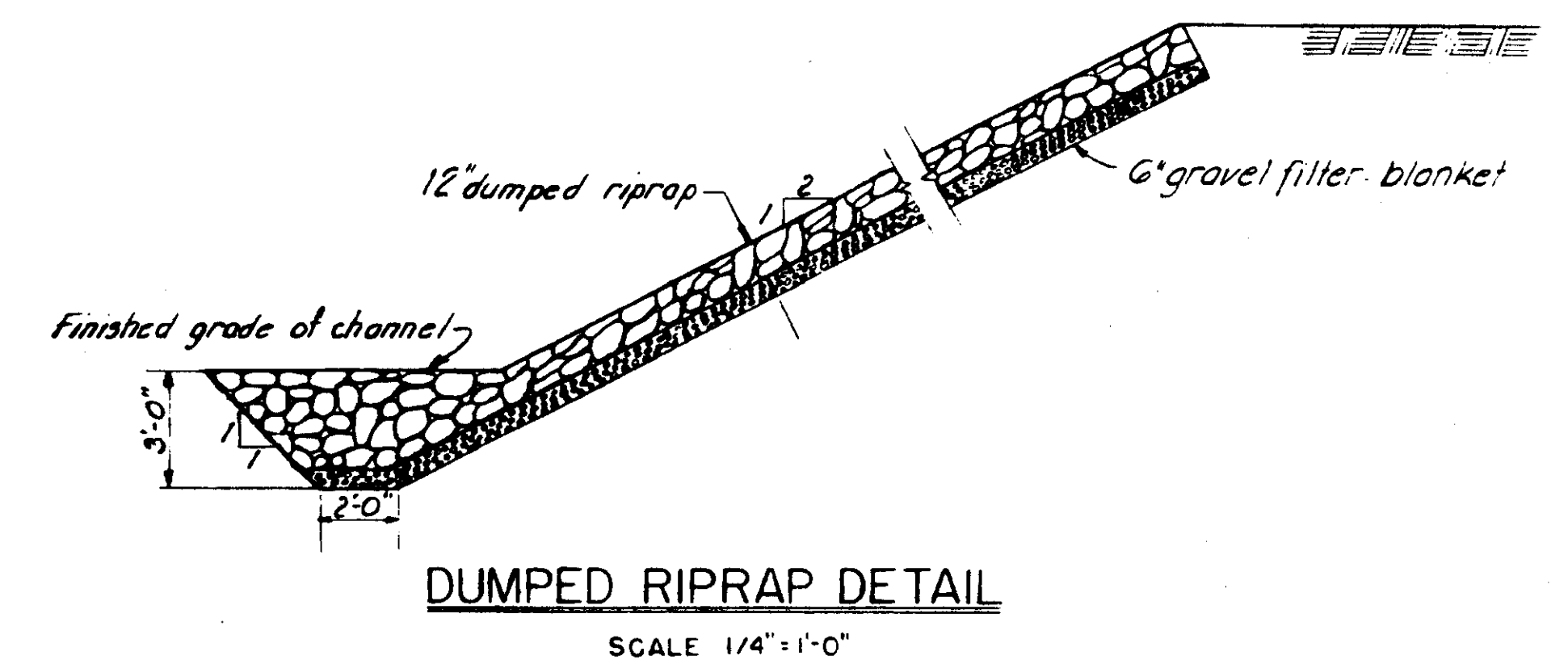
All elevations are above mean sea level.
All cross sections are looking downstream.
All fill riverward from a line that is 25' landward from the intersection of the new channel slope and the top of fill shown on the plan and profile is compacted embankment.
Lines grades and items indicated on cross sections are new work except where indicated as existing.

AS CONSTRUCTED	
SUBMITTED: <i>[Signature]</i> CHIEF, CONSTRUCTION DIVISION	APPROVED: <i>[Signature]</i> COL., U.S. DISTRICT ENGINEER
CORPS OF ENGINEERS OFFICE OF THE DISTRICT ENGINEER BUFFALO 7, NEW YORK	
LOCAL FLOOD PROTECTION AT WELLSVILLE, N.Y.	
GENESEE RIVER	
TYPICAL CHANNEL CROSS SECTIONS	
DATE 17 FEB. 1956	
To accompany specifications Serial No. CIVENG-30-023-56-6	
DRAWING NUMBER F-189-A-10/10 SHEET 10 OF 19	

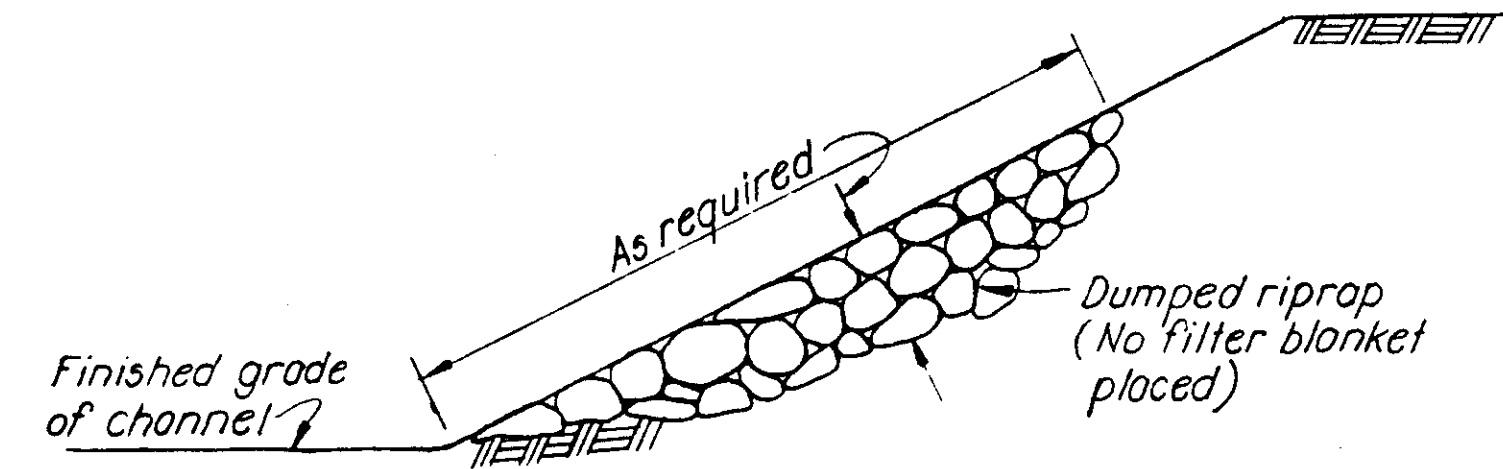
ELEVATIONS IN FEET ABOVE M. S. L.



DYKE CREEK
SCALE 1"=10'



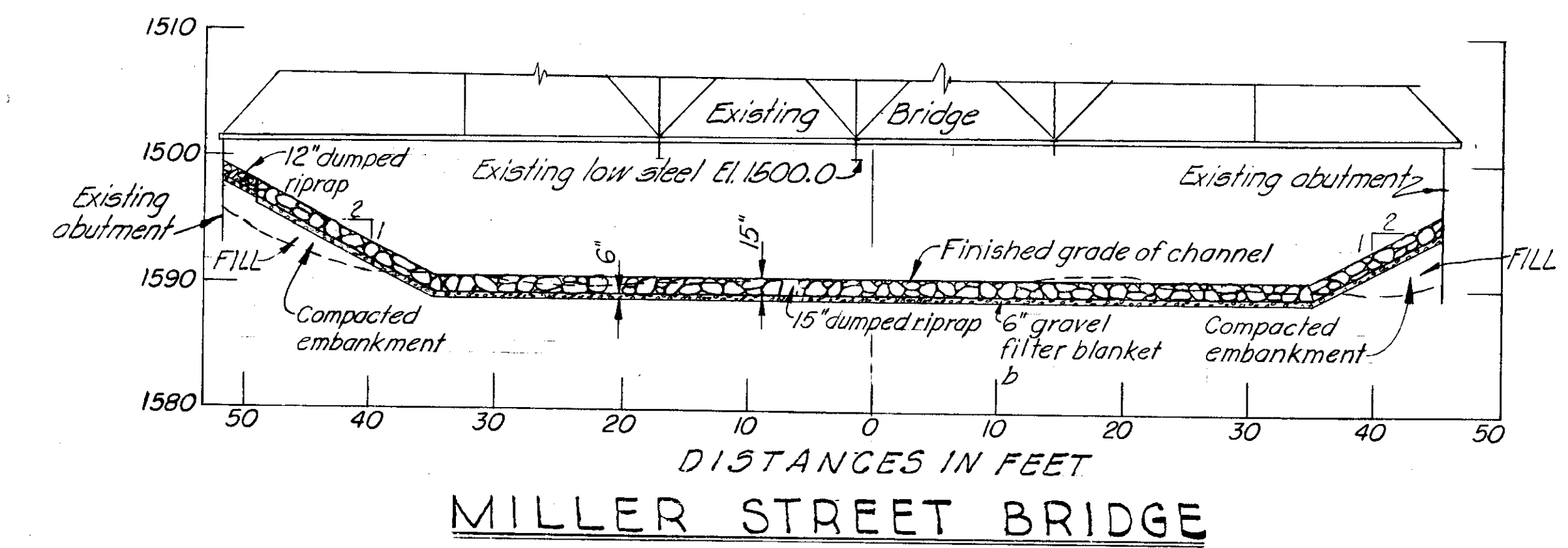
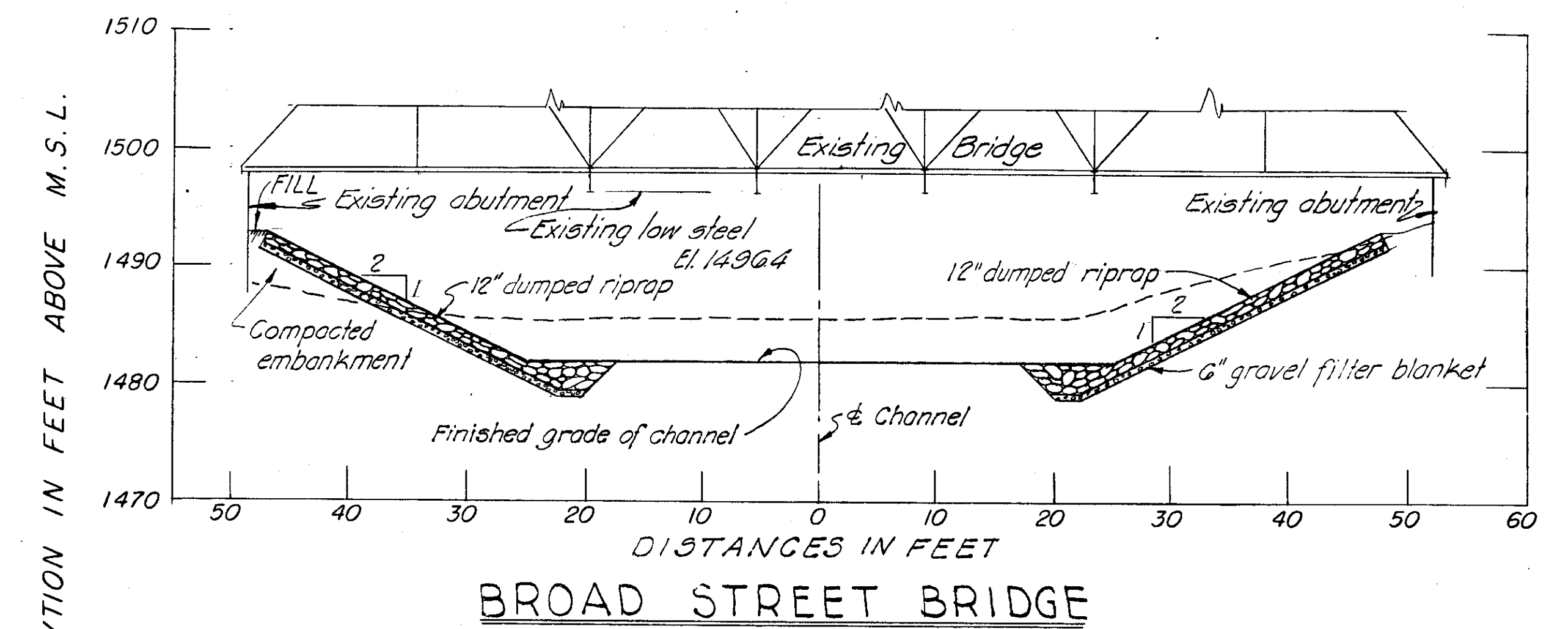
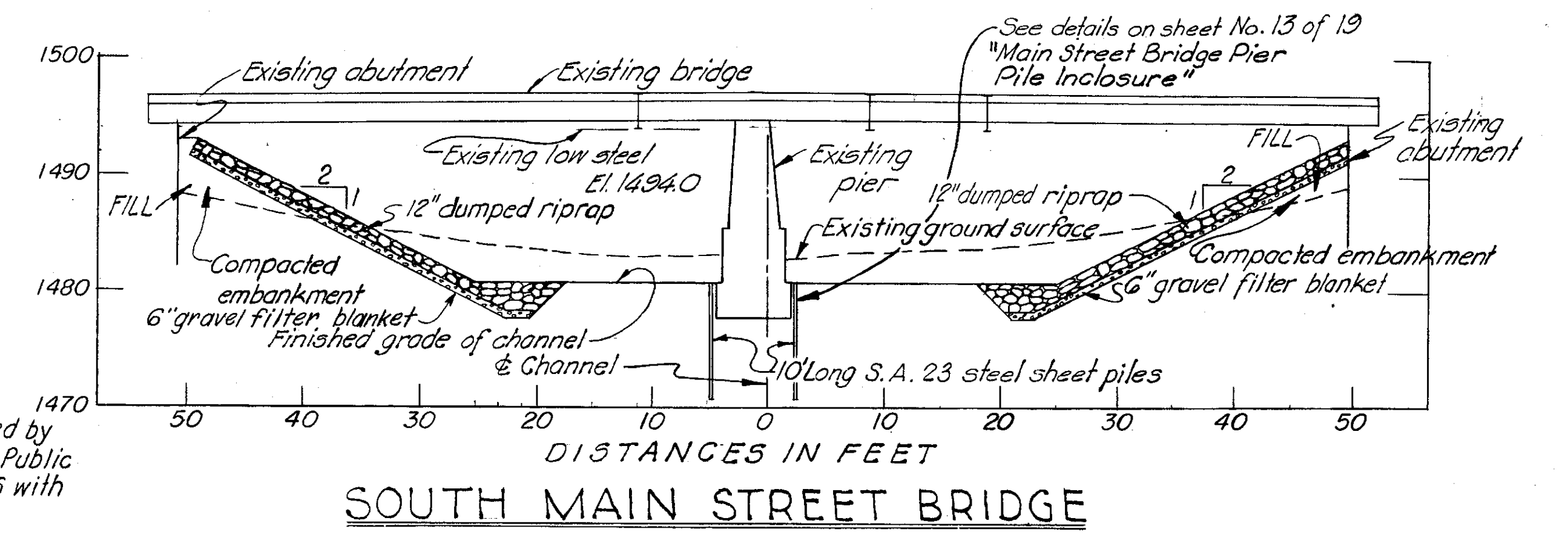
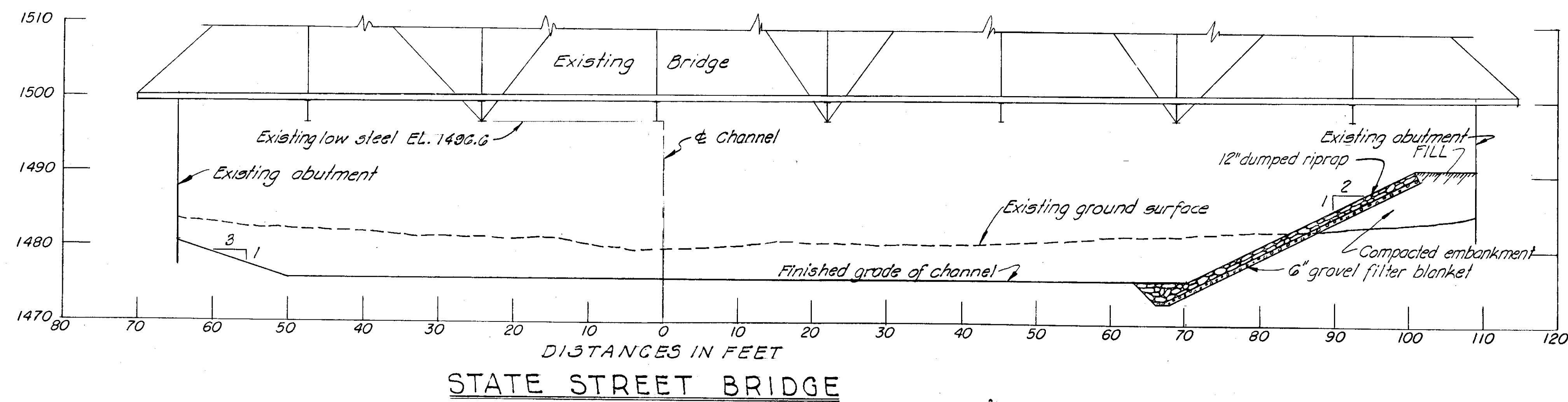
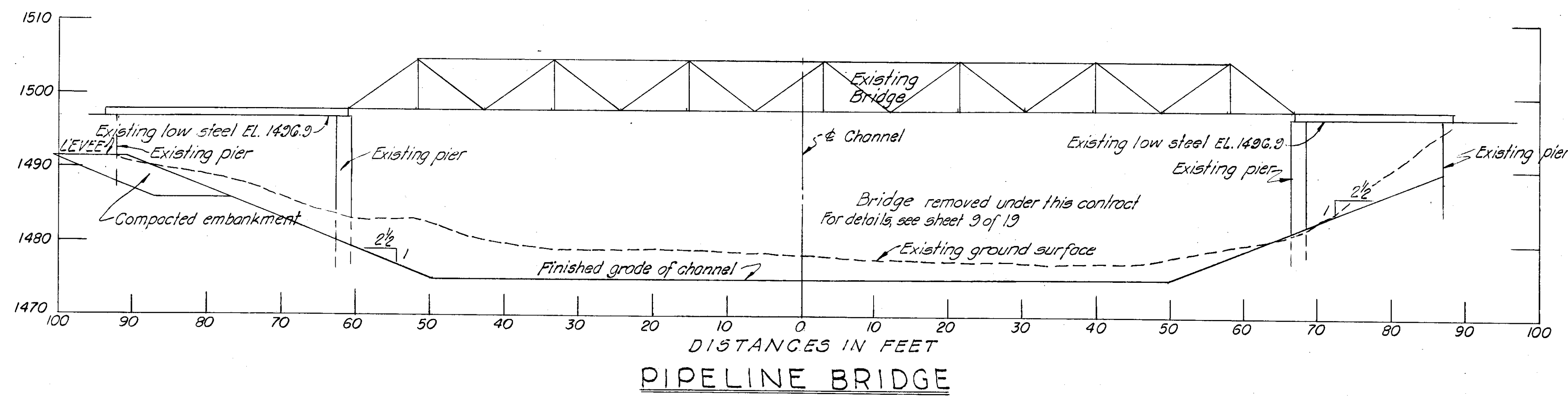
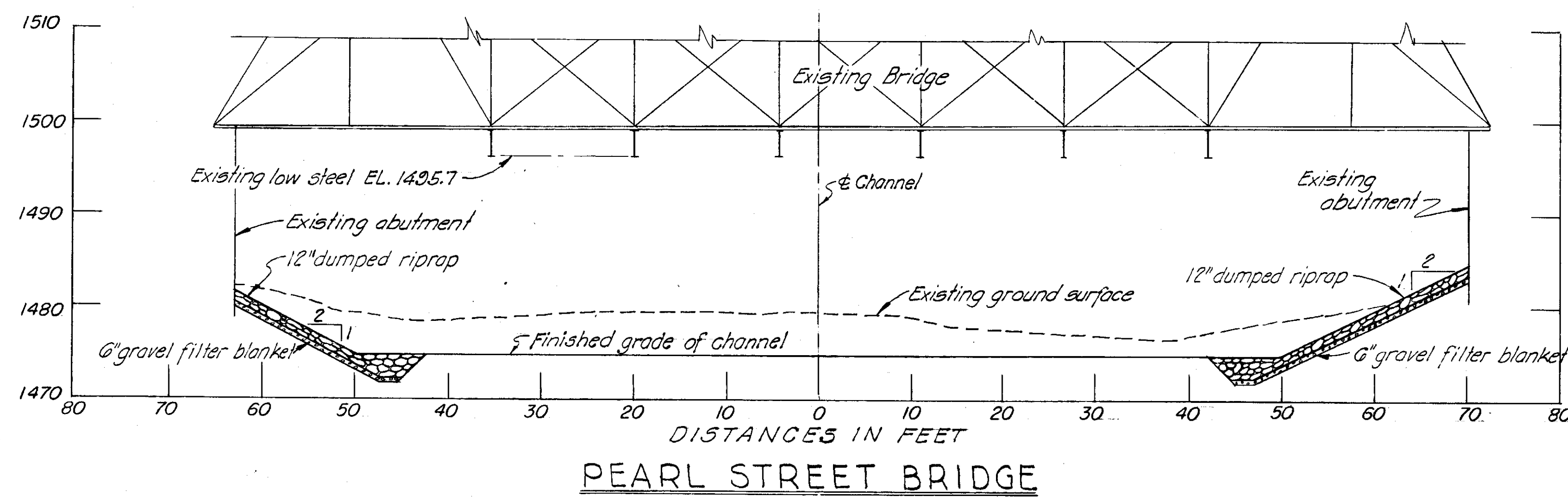
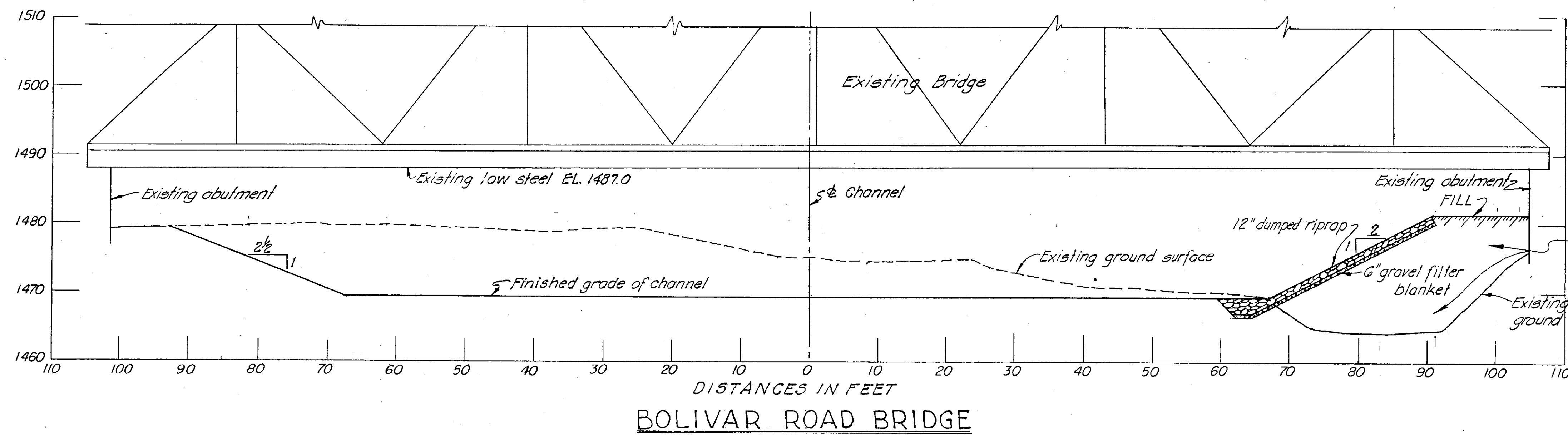
NOTES
All elevations are above mean sea level.
All cross sections are looking downstream.
All fill riverward from a line that is 25 feet landward from the intersection of the new channel slope and the top of fill shown on the plan and profile is compacted embankment.
Lines, grades and items indicated on cross-sections are new work except where indicated as existing.



DUMPED RIPRAP DETAIL
(AFTER FLOOD)
NOT TO SCALE

AS CONSTRUCTED			
SUBMITTED:		APPROVED:	
[Signature]		[Signature]	
CHIEF, CONSTRUCTION DIVISION		COL. E. E. DISTRICT ENGINEER	
REVISION	DATE	DESCRIPTION	BY
CORPS OF ENGINEERS U. S. ARMY OFFICE OF THE DISTRICT ENGINEER BUFFALO 7, NEW YORK			
LOCAL FLOOD PROTECTION AT WELLSVILLE, N. Y.			
DYKE CREEK			
TYPICAL CHANNEL CROSS SECTIONS, DUMPED RIPRAP DETAIL			
DRAWN BY: A. O. J.		DATE: 17 FEB. 1956	
TRACED BY: A. O. J.		[Signature]	
CHECKED BY: [Signature]		[Signature]	
SUBMITTED BY: [Signature]		[Signature]	
APPROVED: [Signature]		[Signature]	
To accompany specifications Serial No. CIVENG-30-023-56-6		DRAWING NUMBER F-189-A-10/11	
DATE:		SHEET 11 OF 13	

ELEVATIONS IN FEET ABOVE M.S.L.



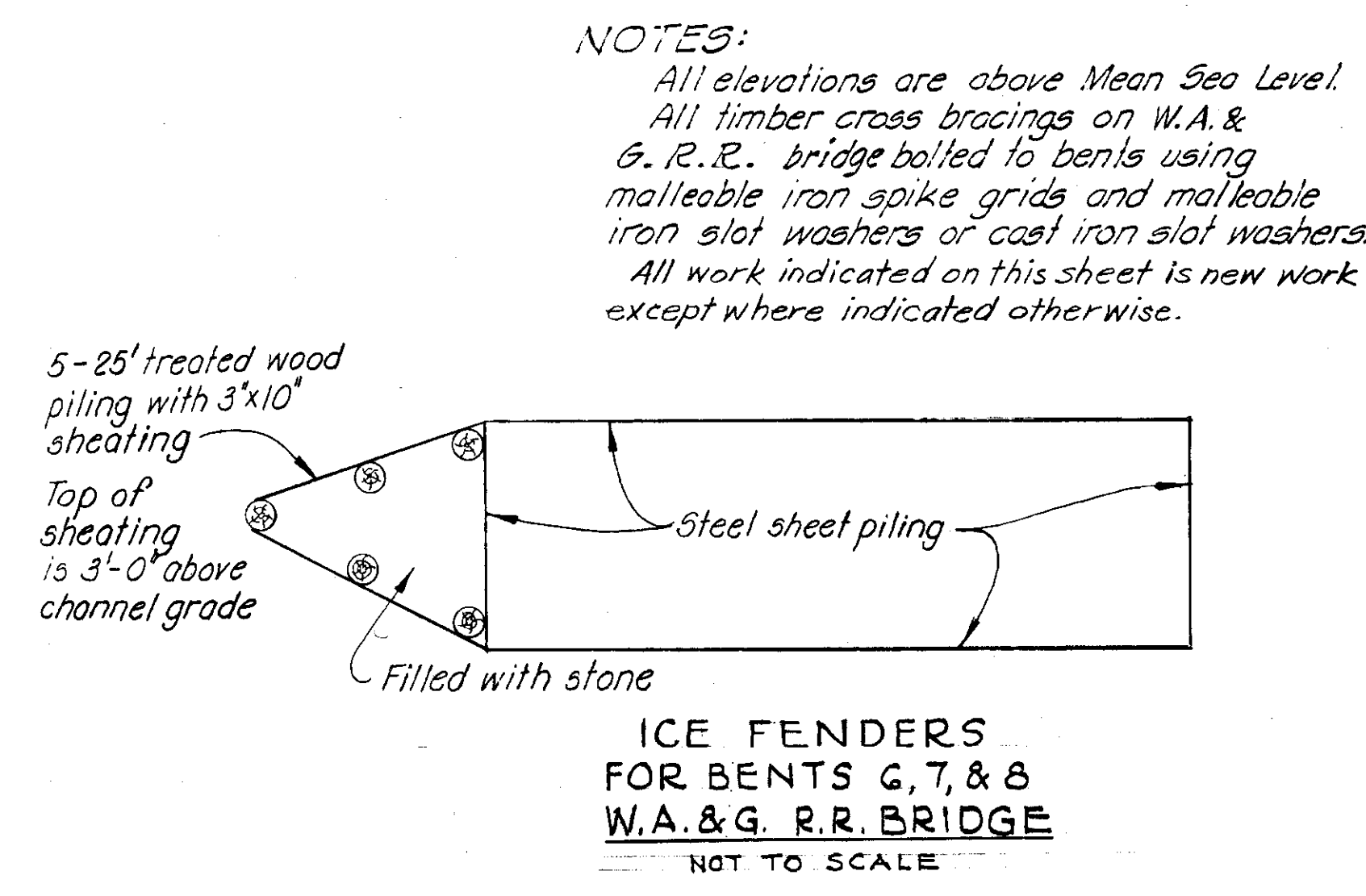
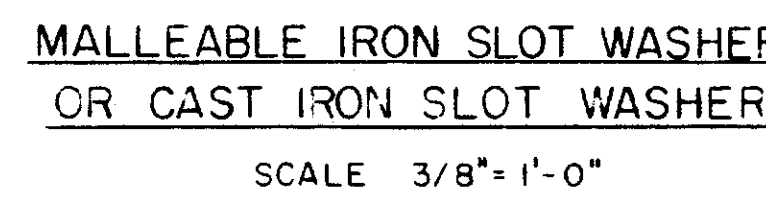
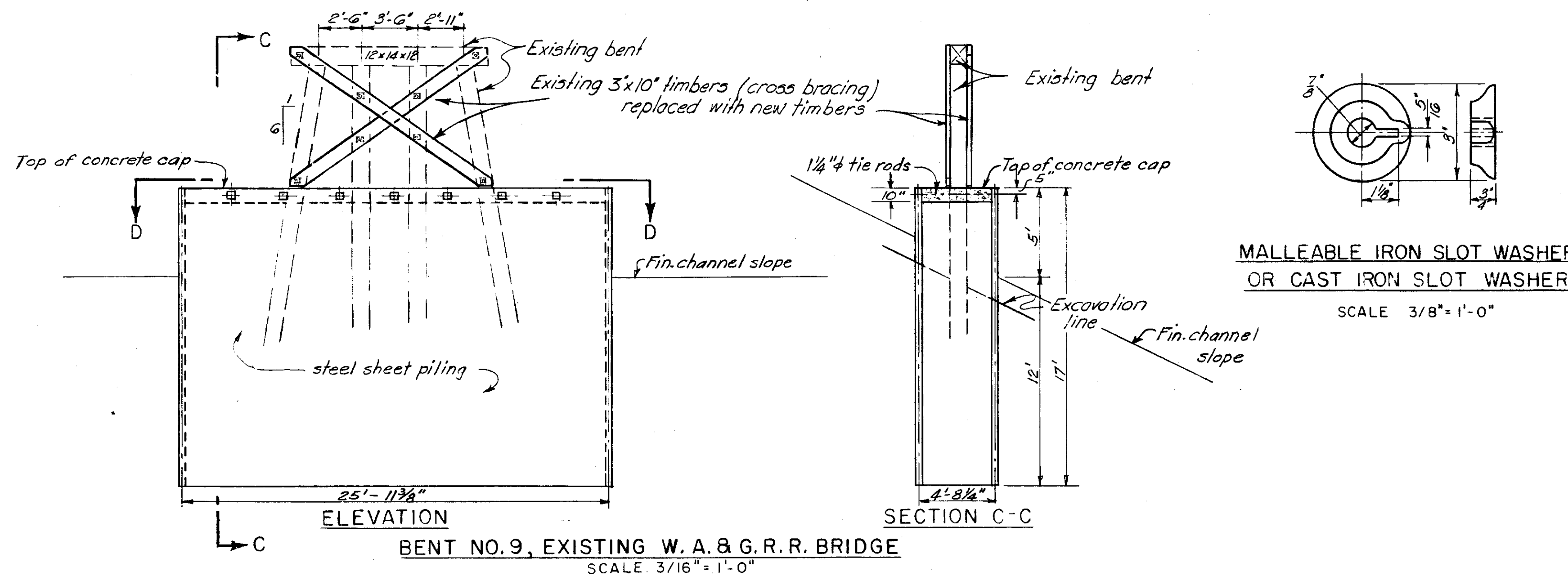
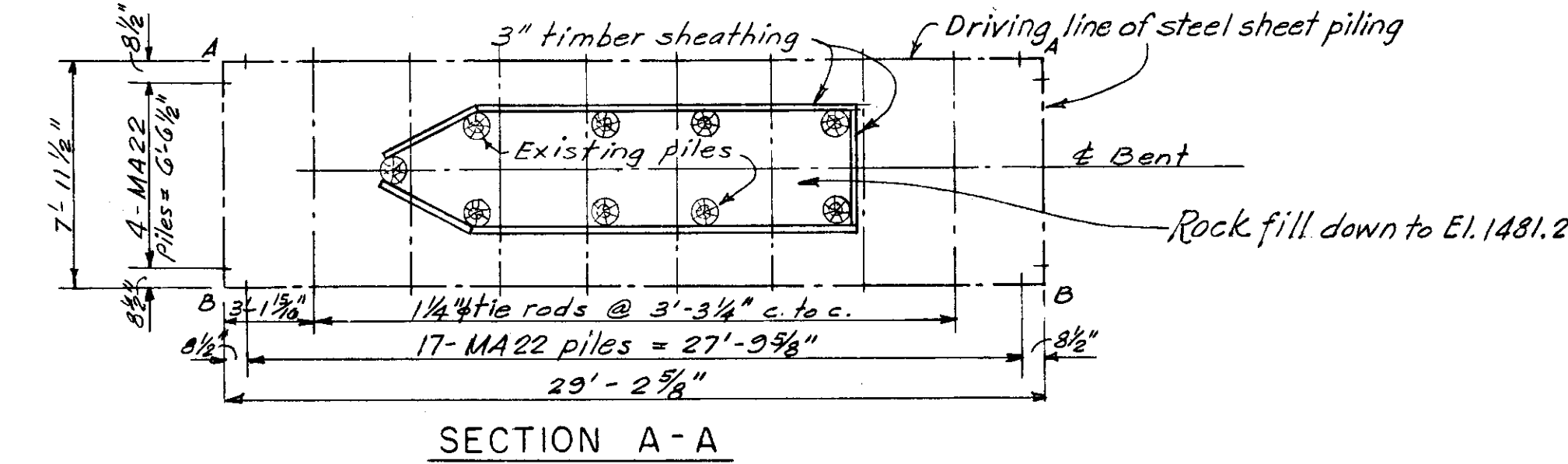
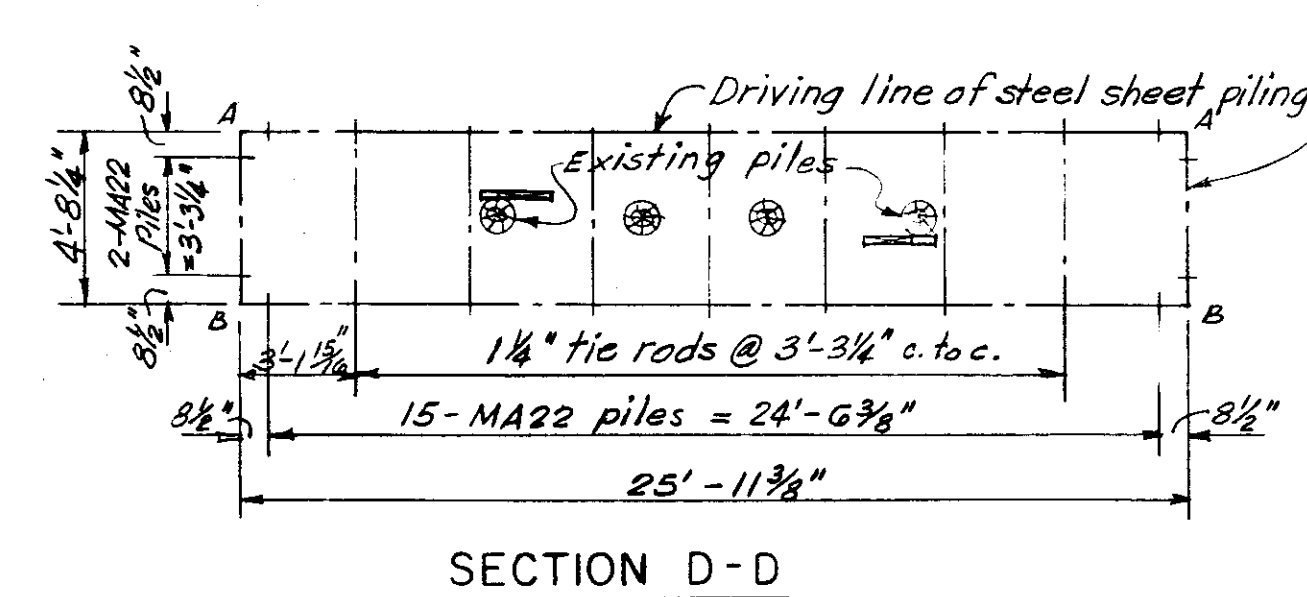
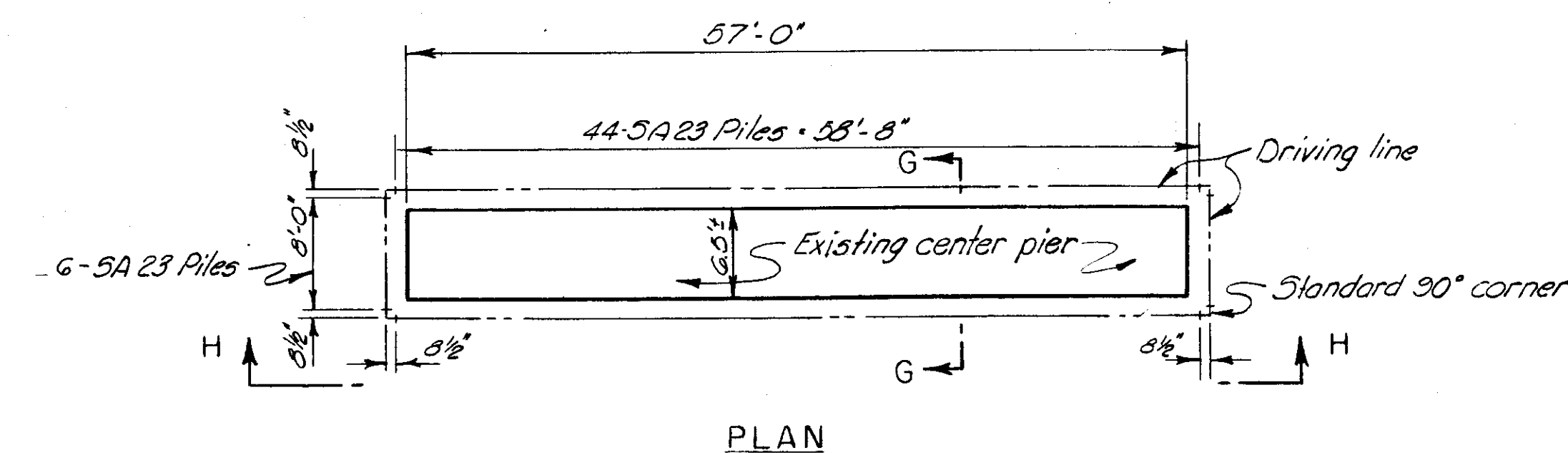
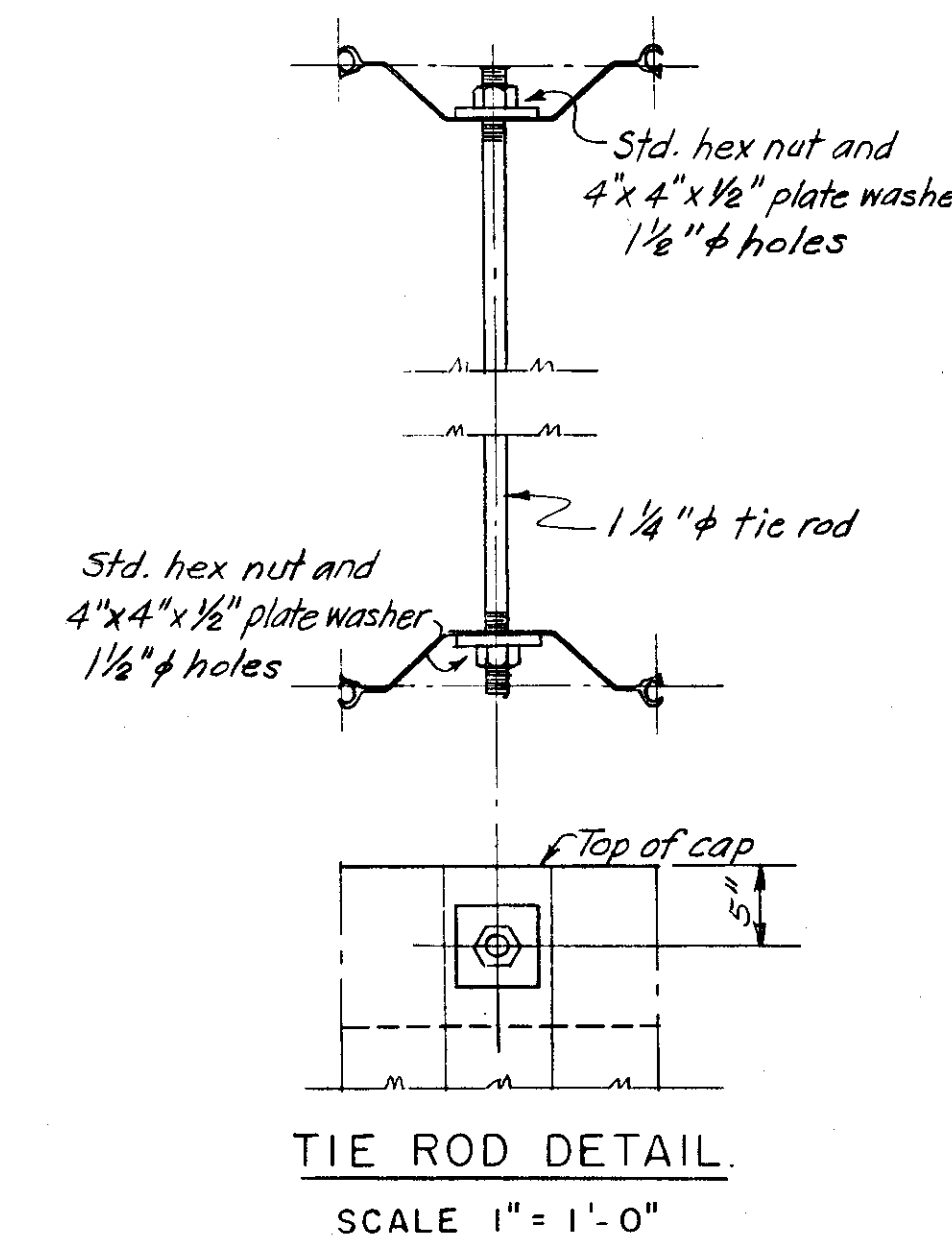
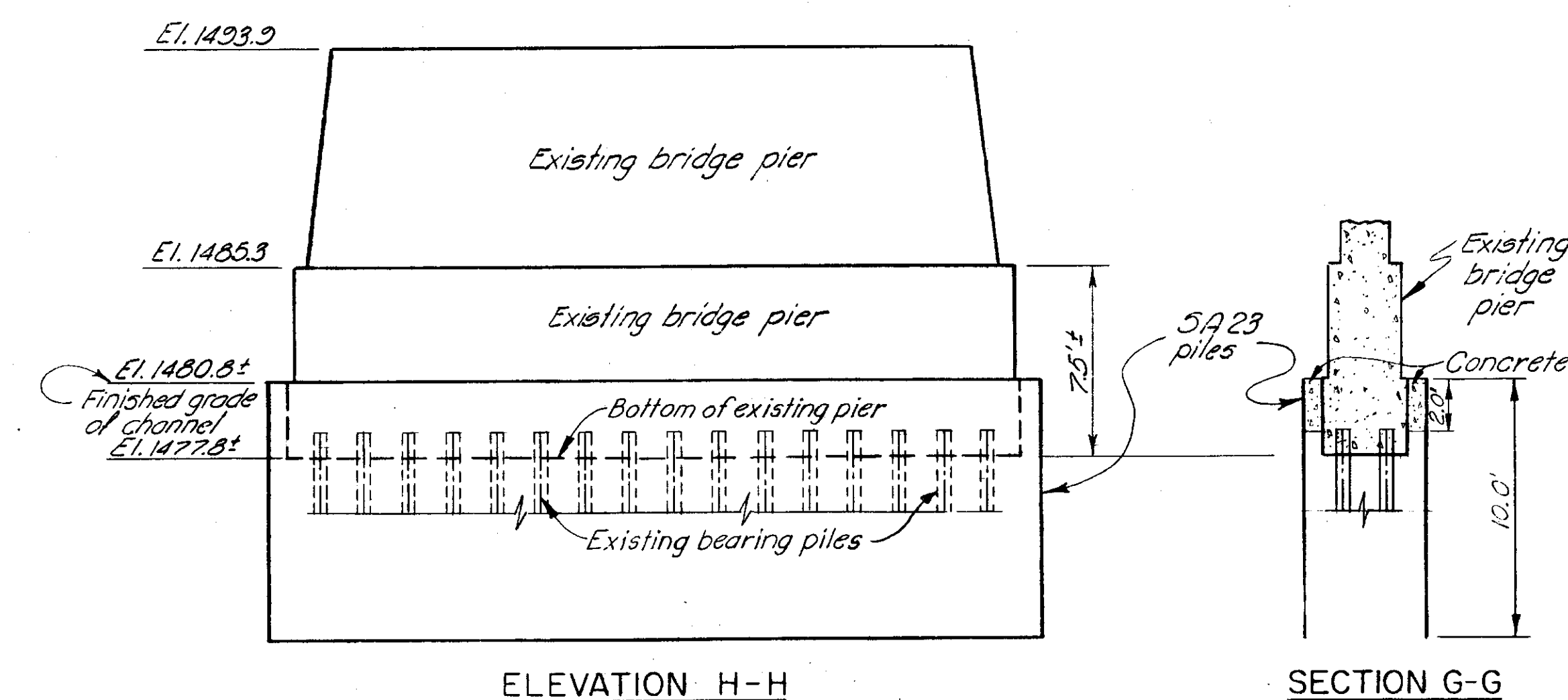
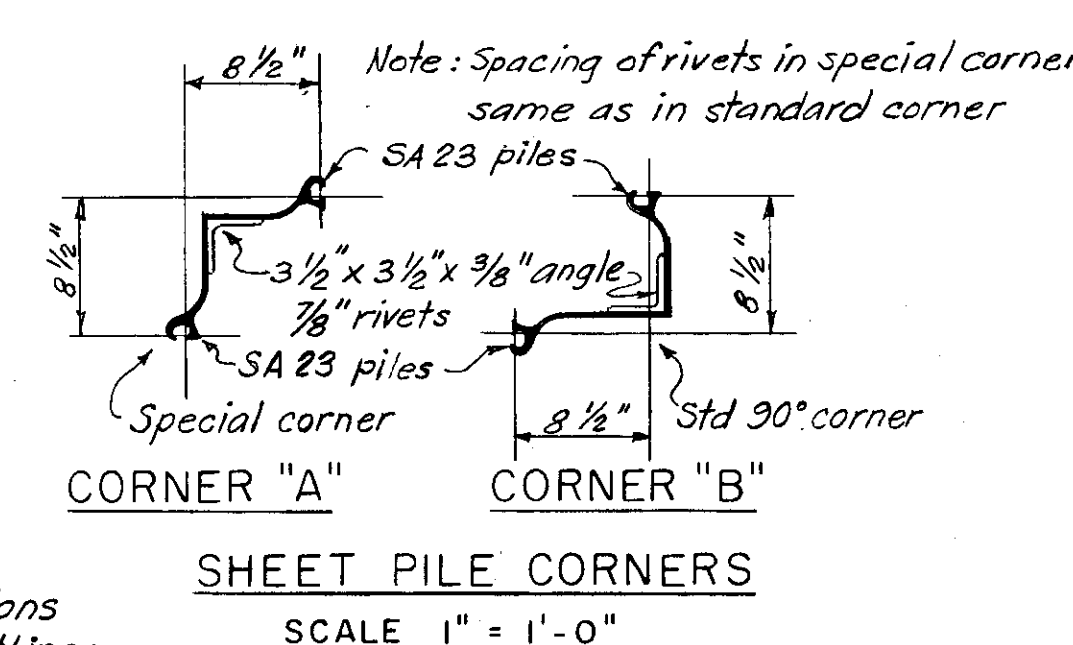
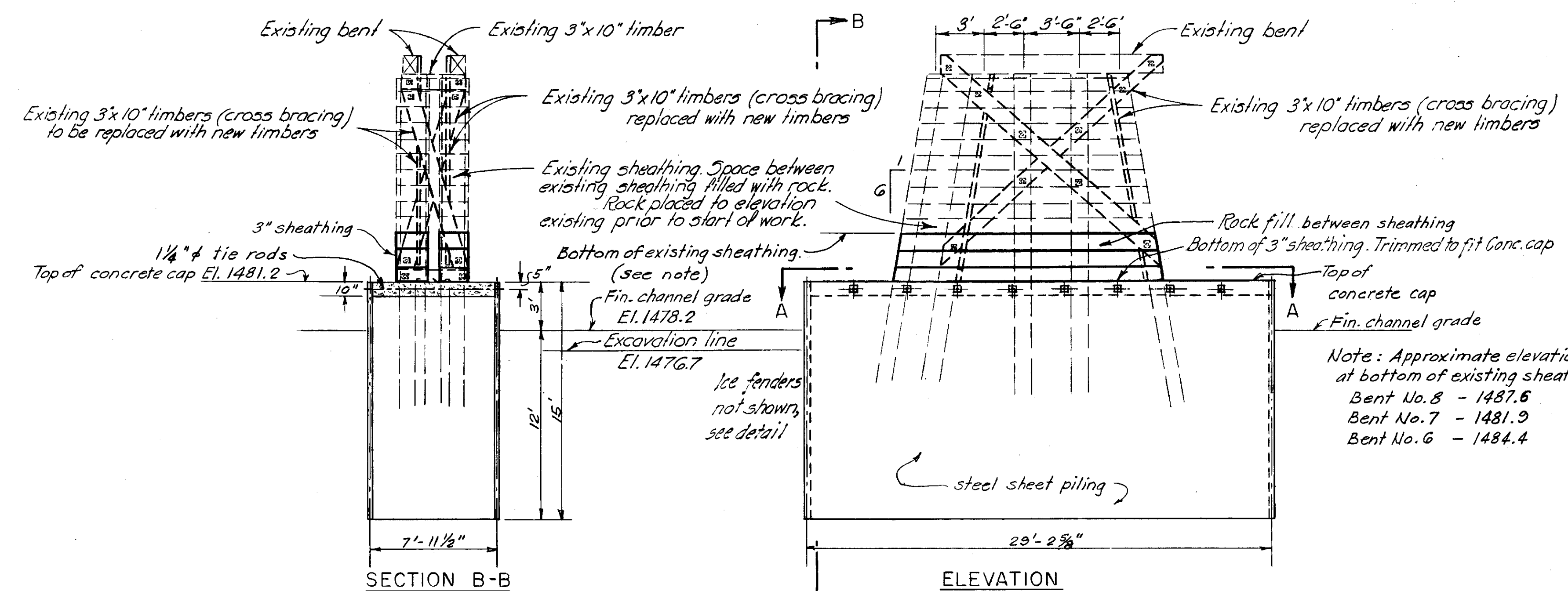
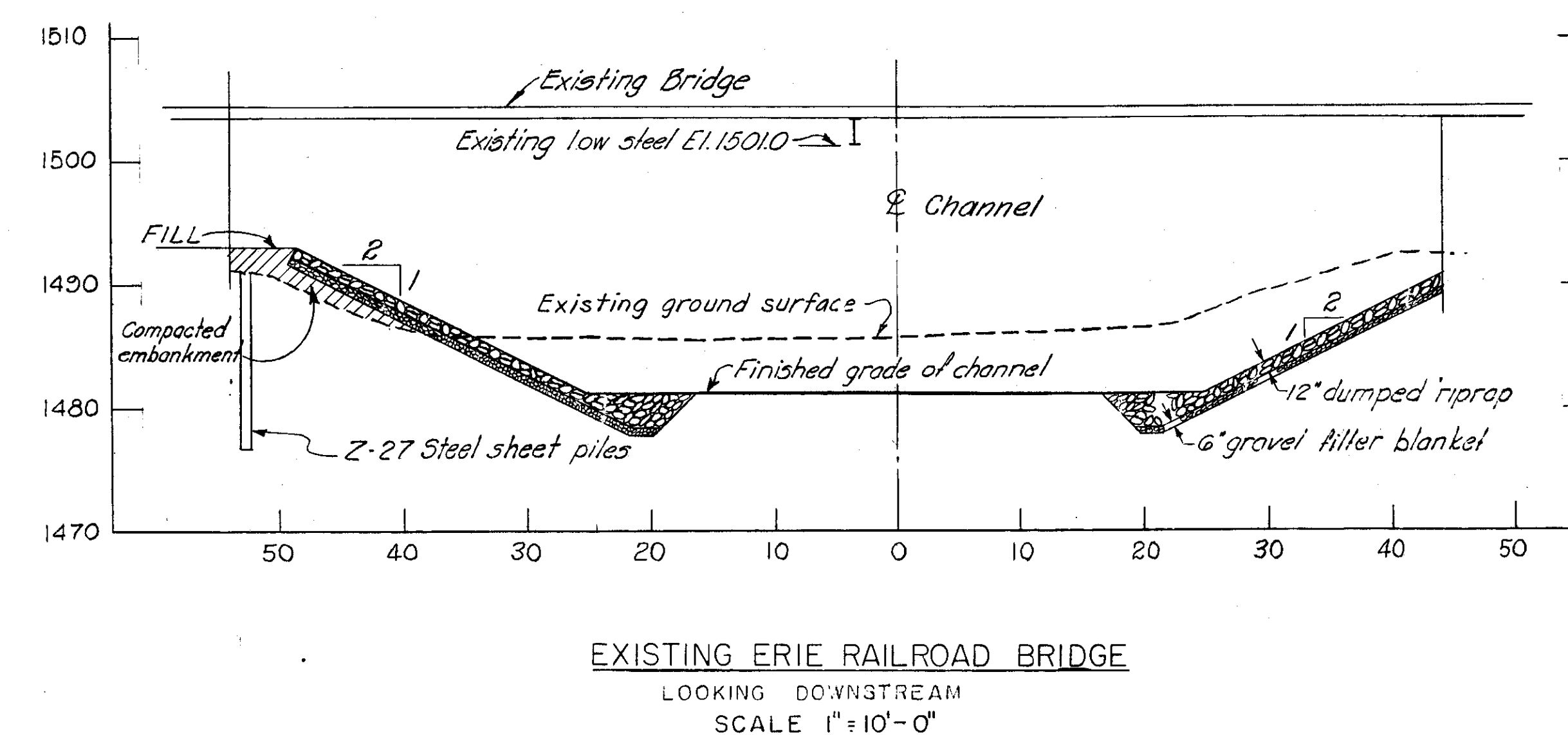
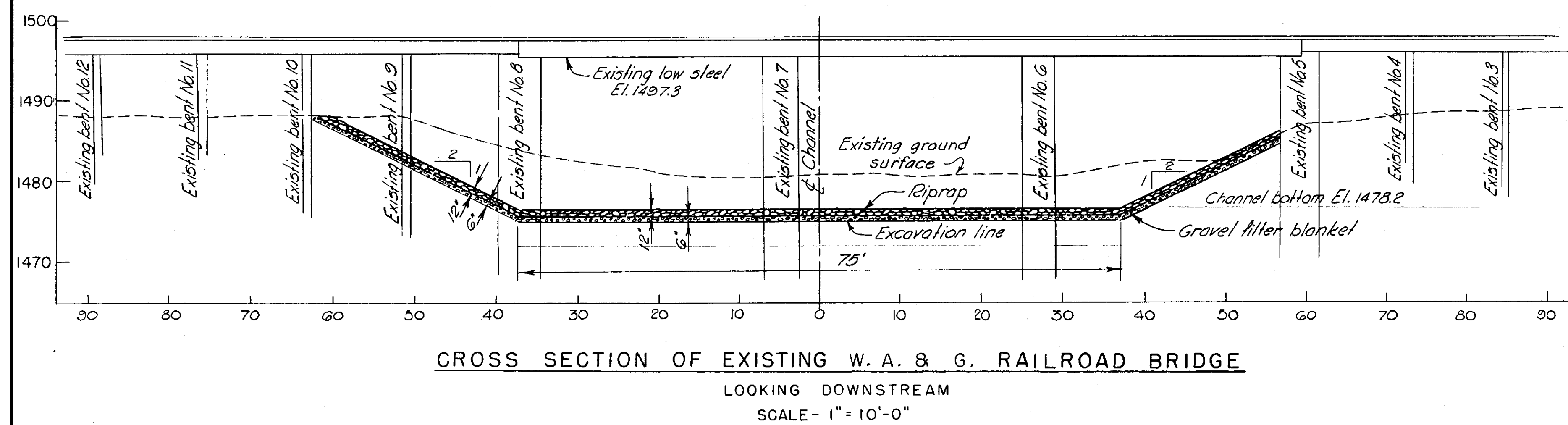
NOTES

ALL CROSS SECTIONS SHOWN LOOKING DOWNSTREAM

ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL

Lines, grades, and items indicated on cross-sections are new work except where indicated otherwise

AS CONSTRUCTED	
SUBMITTED: <i>Paul B. Miller</i> CHIEF, CONSTRUCTION DIVISION	APPROVED: <i>Paul B. Miller</i> COL., U. S. DISTRICT ENGINEER
REVISION	DATE
DESCRIPTION	
BY	
BY	
CORPS OF ENGINEERS U. S. ARMY OFFICE OF THE DISTRICT ENGINEER BUFFALO 7, NEW YORK	
LOCAL FLOOD PROTECTION AT WELLSVILLE, N.Y.	
BRIDGE CROSS SECTIONS GENESEE RIVER & DYKE CREEK	
DRAWN BY: R.W.W.	
TRACED BY: R.W.W.	
CHECKED BY: <i>ll</i>	
SUBMITTED BY: <i>Paul B. Miller</i>	
APPROVED: <i>Paul B. Miller</i>	DATE: 17 FEB. 1956
TO ACCOMPANY SPECIFICATIONS SERIAL NO. CIVENG - 30 - 023 - 56 - 6	SCALE: AS SHOWN SPEC. NO.
DATE:	DRAWING NUMBER F-189-A-10/12 SHEET 12 OF 19



AS CONSTRUCTED

SUBMITTED: *Charles H. Hines* CHIEF, CONSTRUCTION DIVISION
APPROVED: *Emile R. Krutts* COL., C. E. DISTRICT ENGINEER

REVISION	DATE	DESCRIPTION	BY	BY

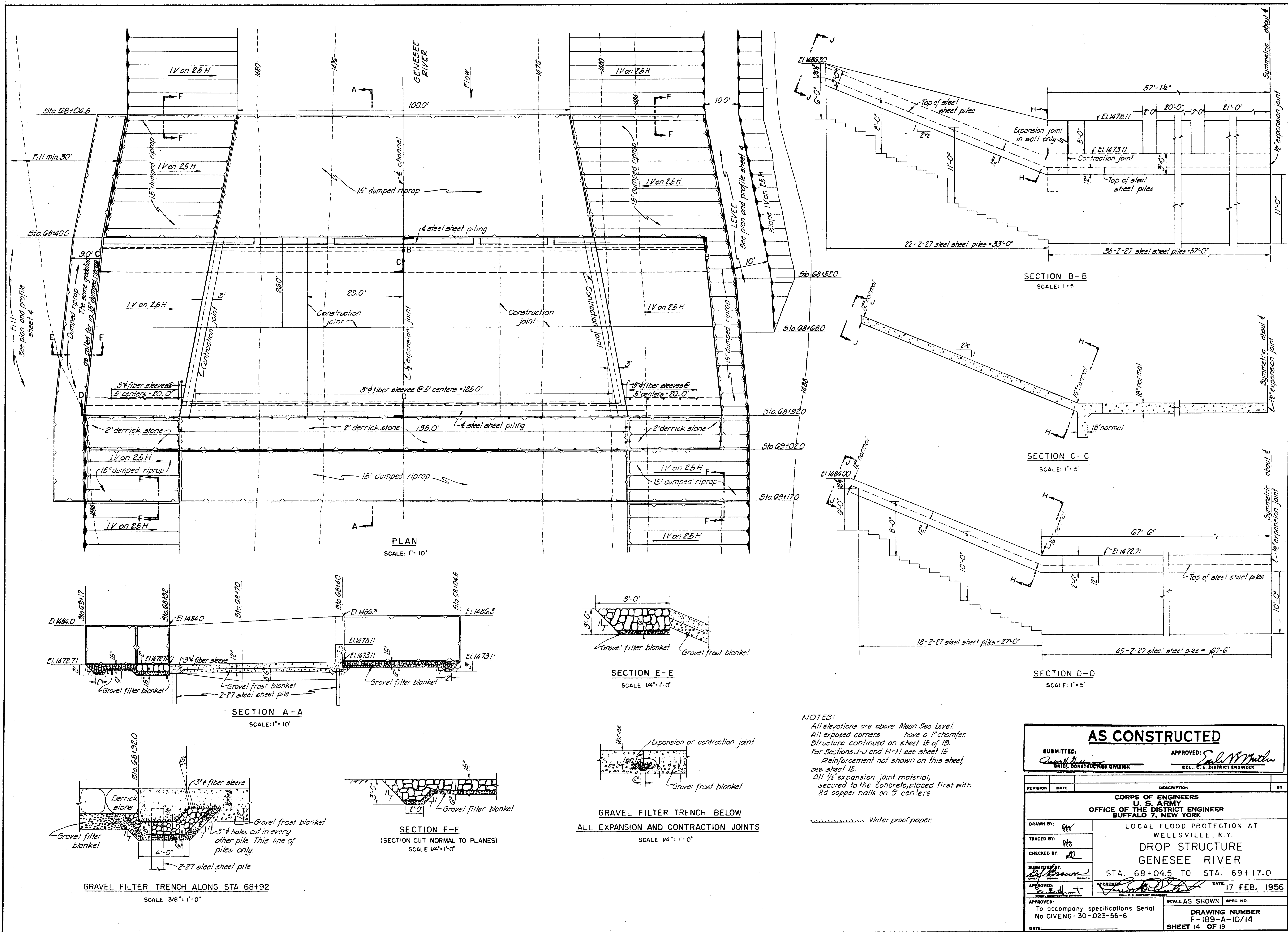
**CORPS OF ENGINEERS
U. S. ARMY
OFFICE OF THE DISTRICT ENGINEER
BUFFALO 7, NEW YORK**

**BRIDGE CROSS SECTIONS AND
DETAILS OF BRIDGE PIER TREATMENT**

DRAWN BY: *AFR*
TRACED BY: *AFR*
CHECKED BY: *AFR*
SUBMITTED BY: *AFR*
APPROVED: *AFR*
DATE: 17 FEB. 1956

To accompany specifications Serial No. CIVENG-30-023-56-6
DRAWING NUMBER F-189-A-10/13
SHEET 13 OF 19

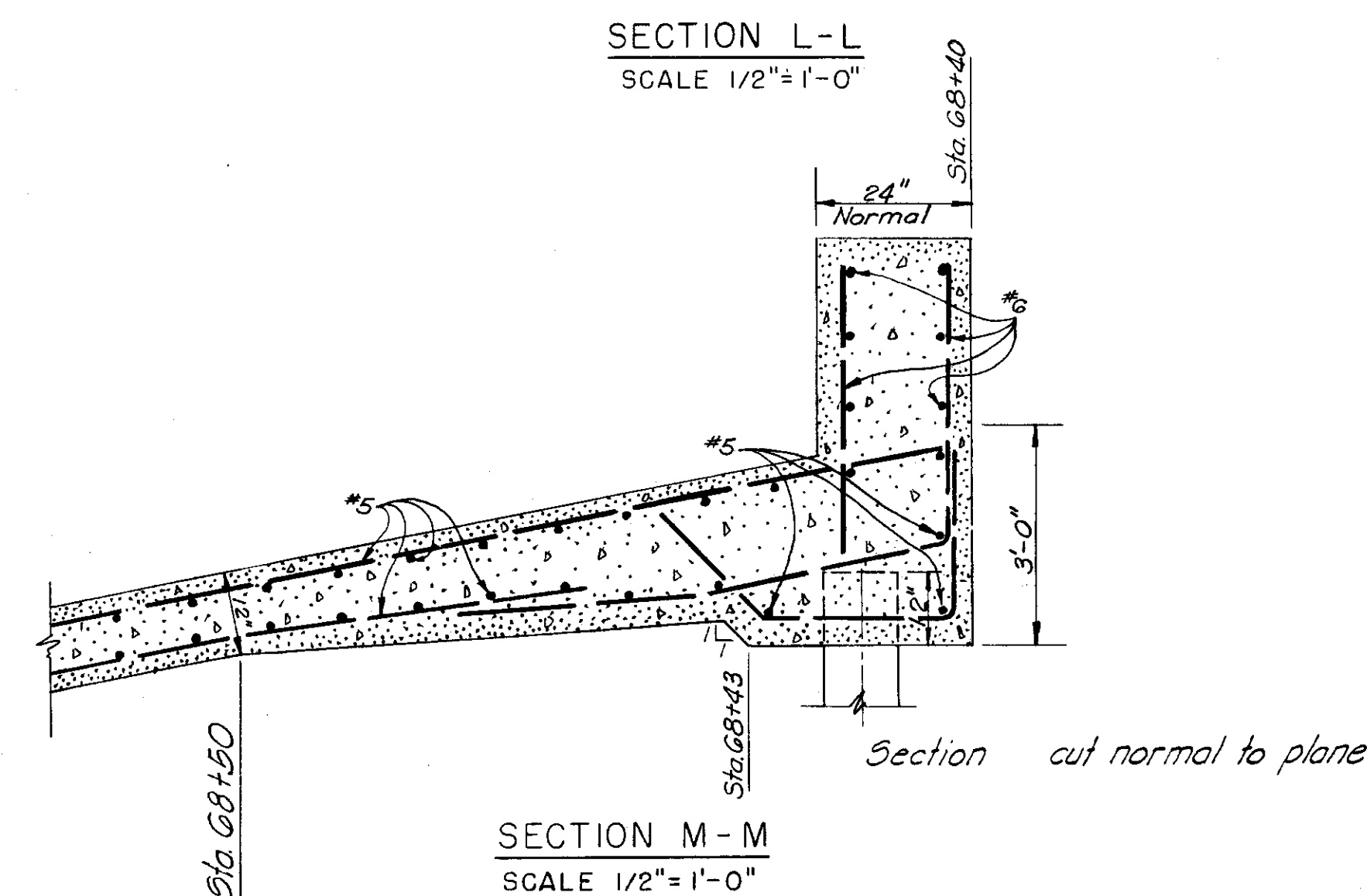
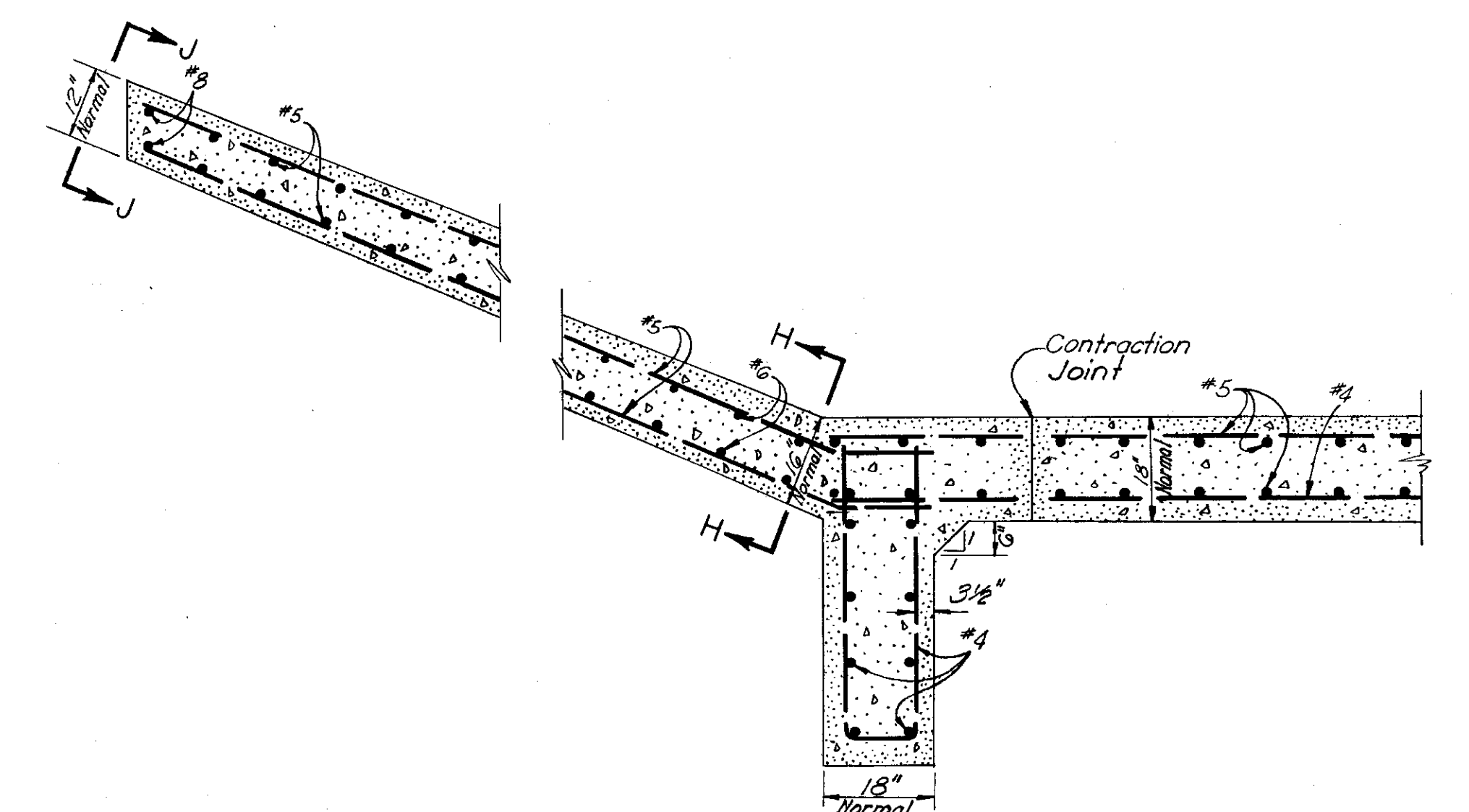
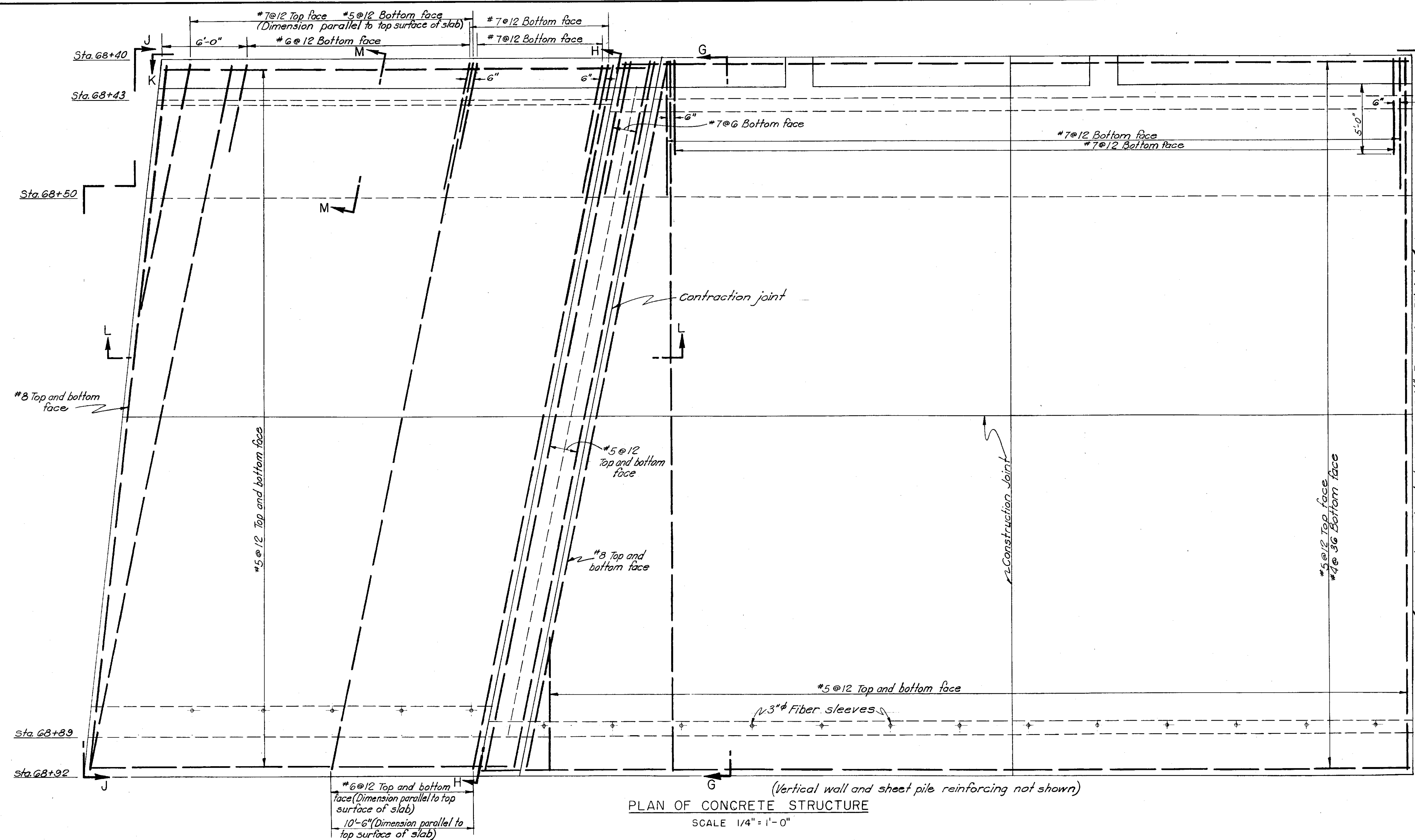
SCALE: AS SHOWN
SPEC. NO.:



NOTES:
 All elevations are above Mean Sea Level.
 All exposed corners have a 1" chamfer.
 Structure continued on sheet 15 of 19.
 For Sections J-J and H-H see sheet 15.
 Reinforcement not shown on this sheet, see sheet 15.
 All 1/2" expansion joint material, secured to the concrete, placed first with 8d copper nails on 9" centers.

Write proof paper.

SUBMITTED:		APPROVED:	
[Signature]		[Signature]	
ENGINEER		DISTRICT ENGINEER	
CORPS OF ENGINEERS U. S. ARMY OFFICE OF THE DISTRICT ENGINEER BUFFALO 7, NEW YORK			
DRAWN BY:		LOCAL FLOOD PROTECTION AT WELLSVILLE, N.Y.	
TRACED BY:		DROP STRUCTURE GENESSEE RIVER	
CHECKED BY:		STA. 68+04.5 TO STA. 69+17.0	
SUBMITTED BY:		DATE: 17 FEB. 1956	
APPROVED:		SCALE: AS SHOWN	
To accompany specifications Serial No. C189-30-023-56-6		DRAWING NUMBER F-189-A-10/14	
DATE:		SHEET 14 OF 19	



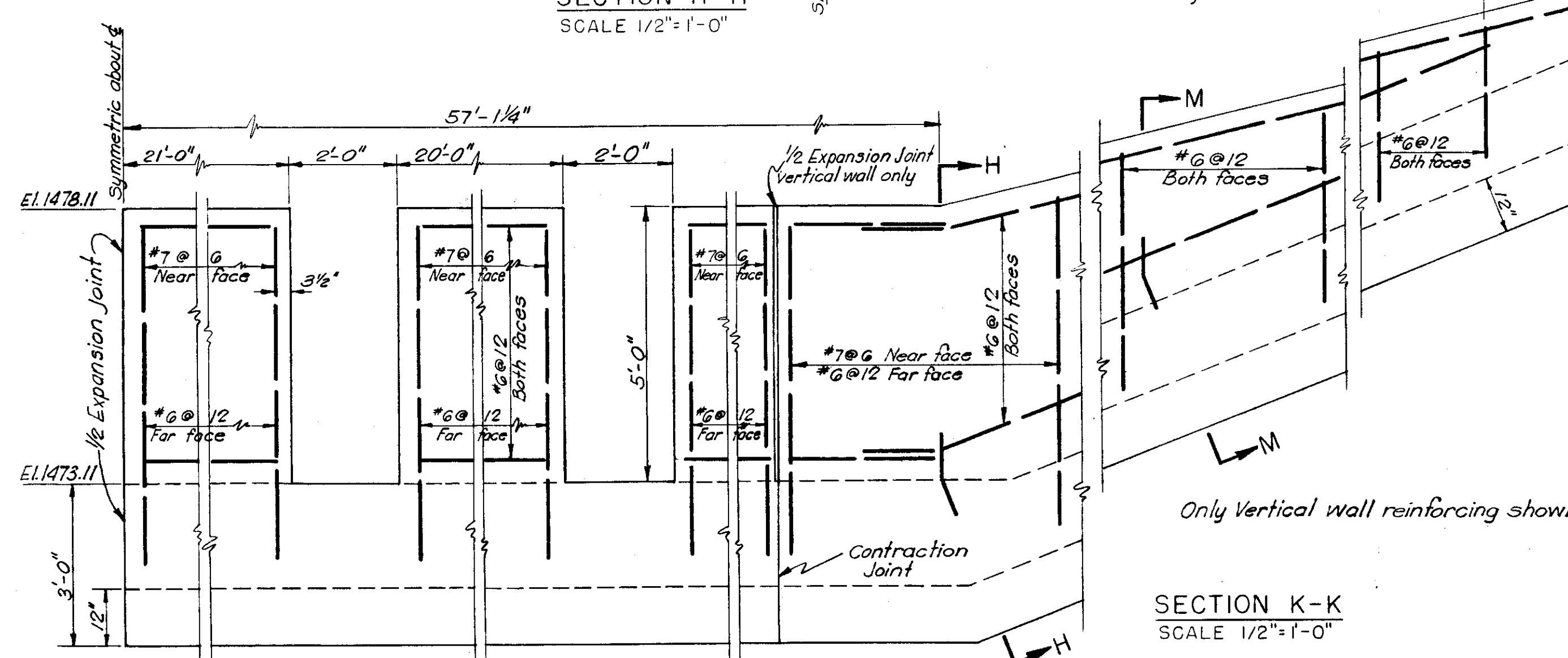
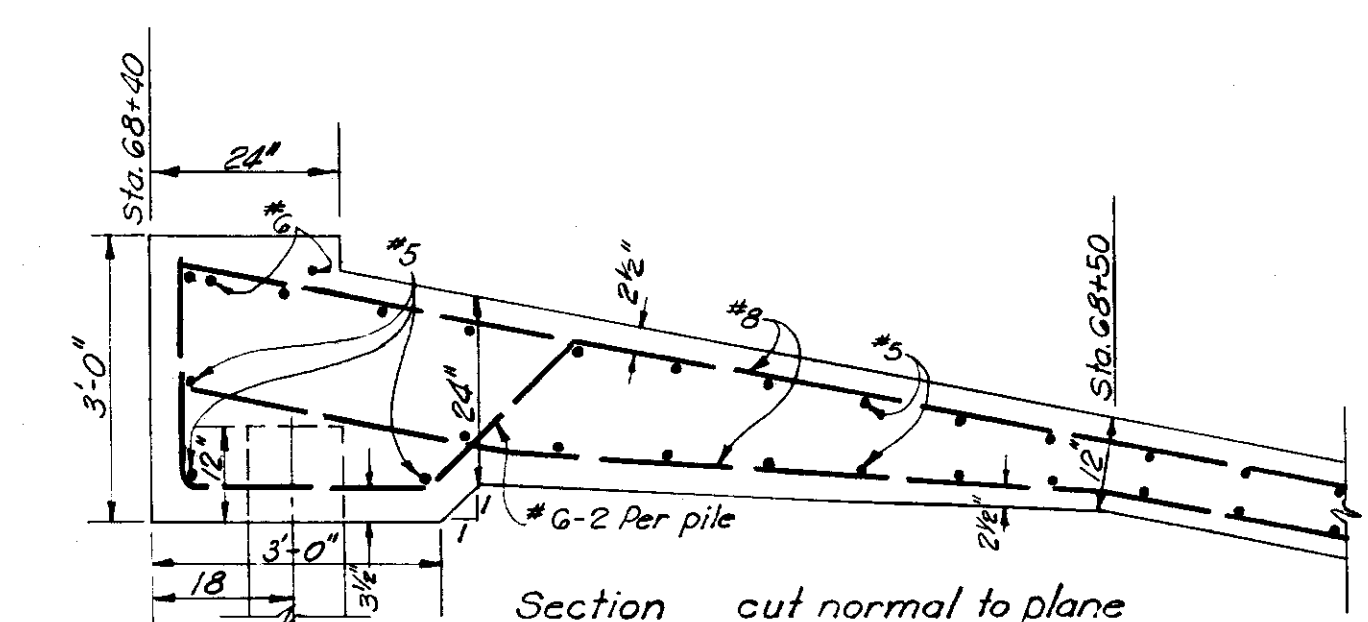
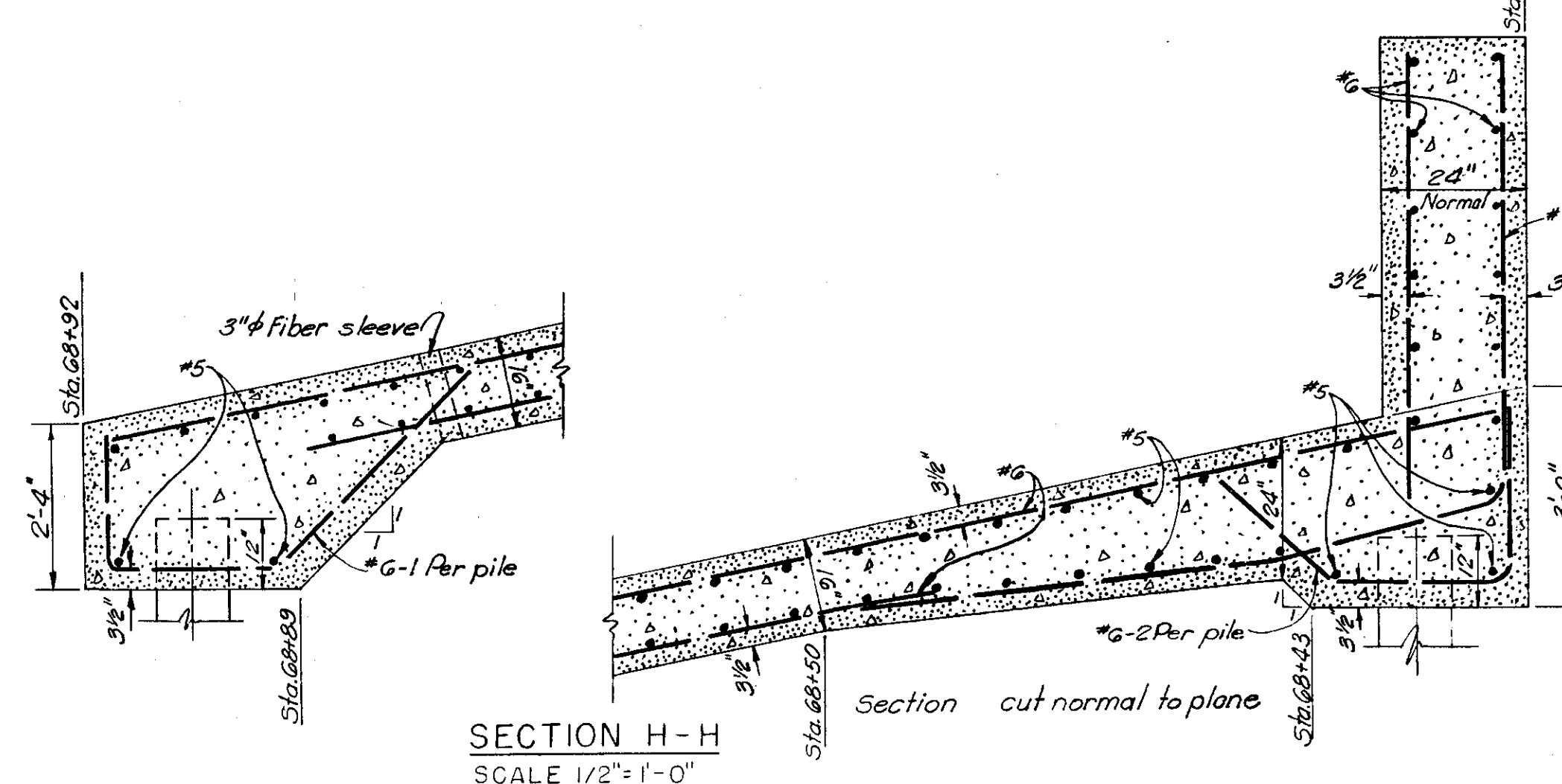
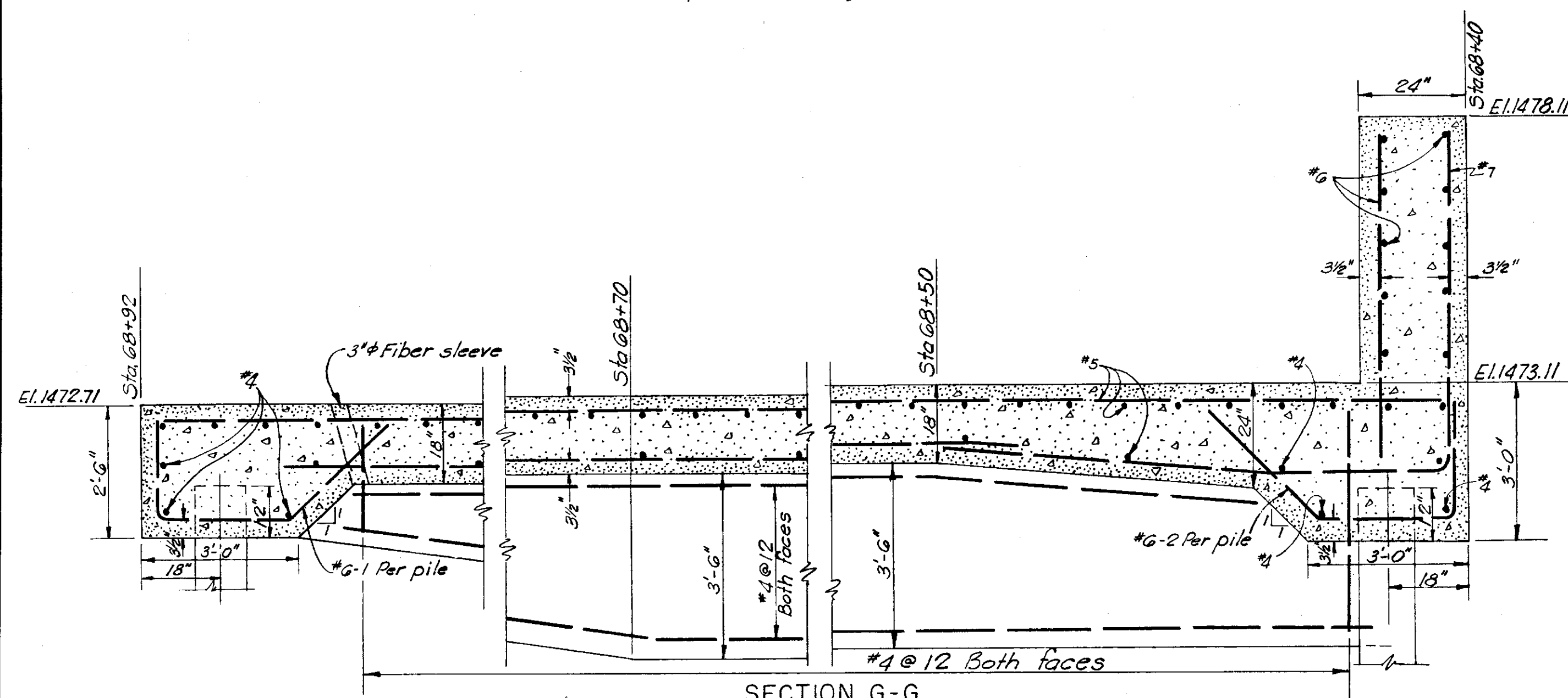
NOTES-

All elevations are above Mean Sea level

Reinforcing steel not continuous through expansion or contraction joint.

All exposed corners have a 1" chamfer.

All reinforcement has a minimum of 3" cover unless otherwise shown.



AS MANUFACTURED

SUBMITTED

Carol A. Madigan

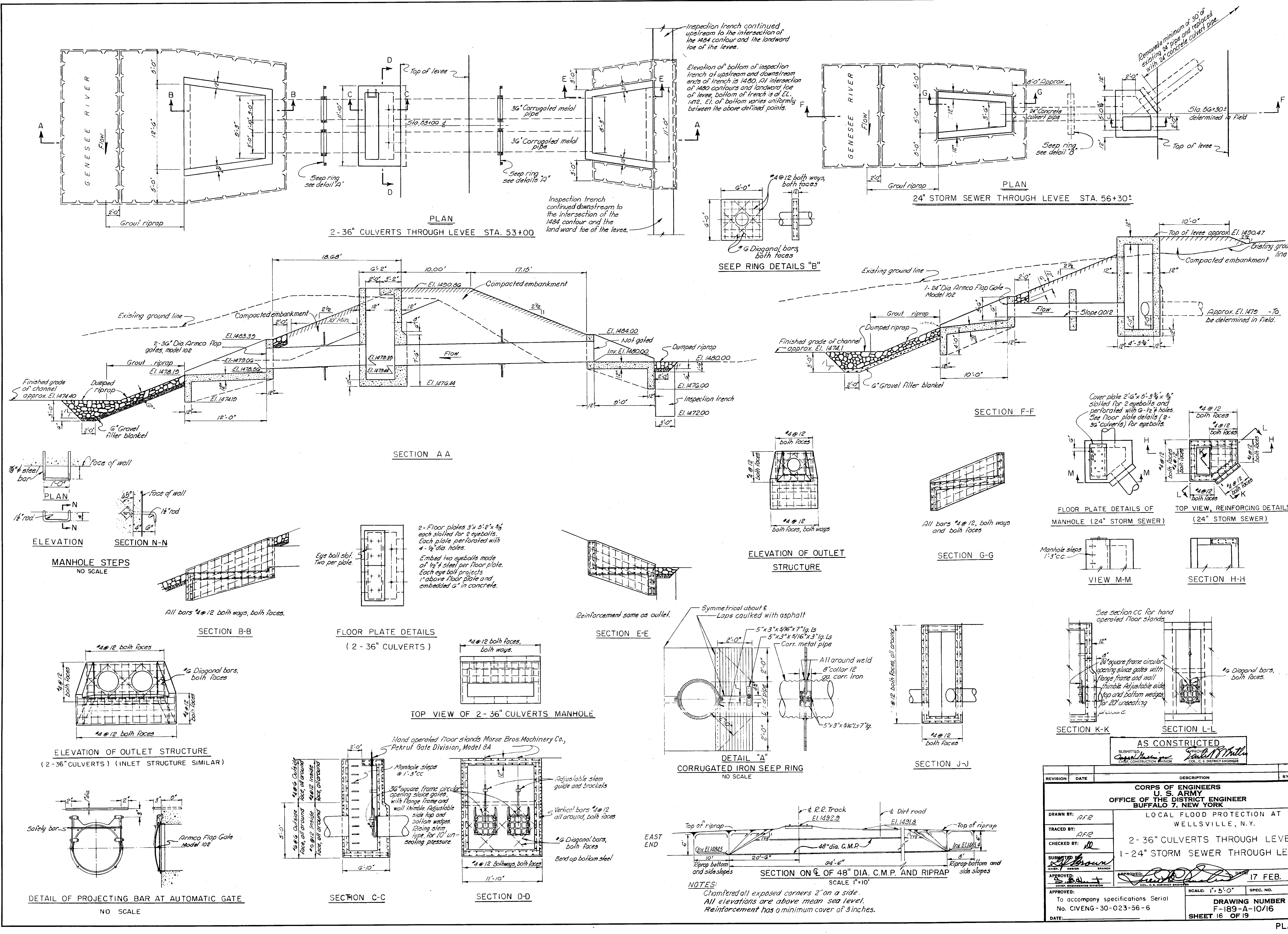
CIVIL CONSTRUCTION DIVISION

APPROVED

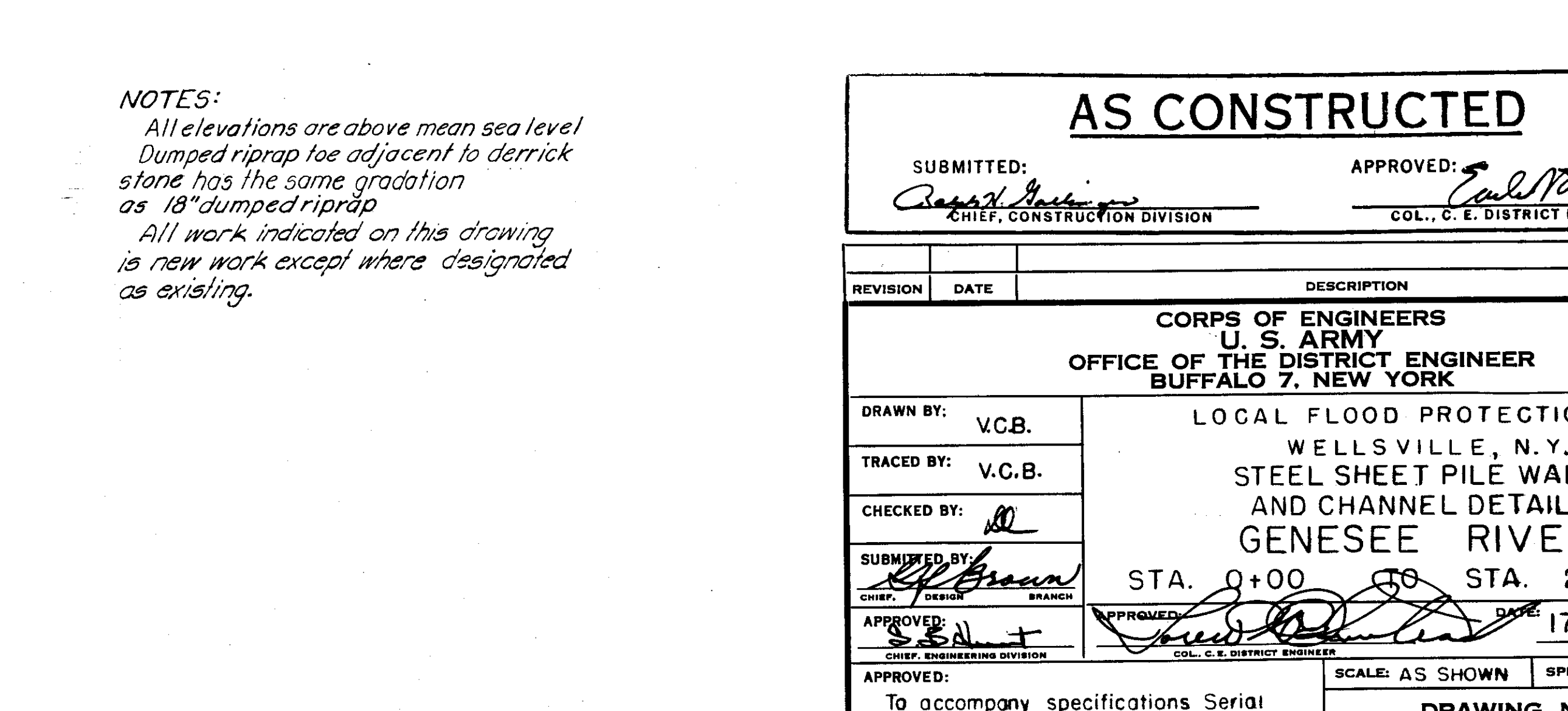
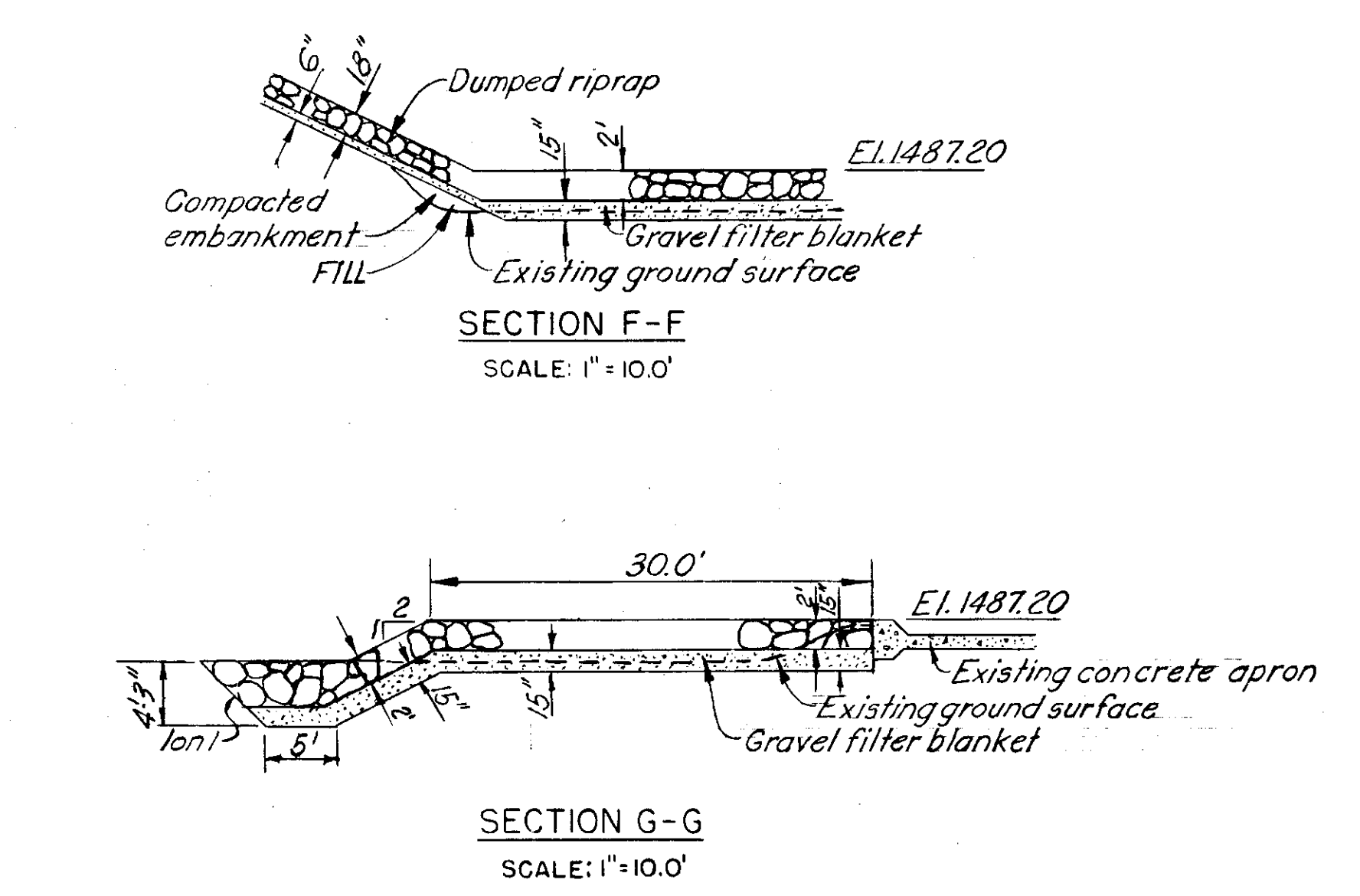
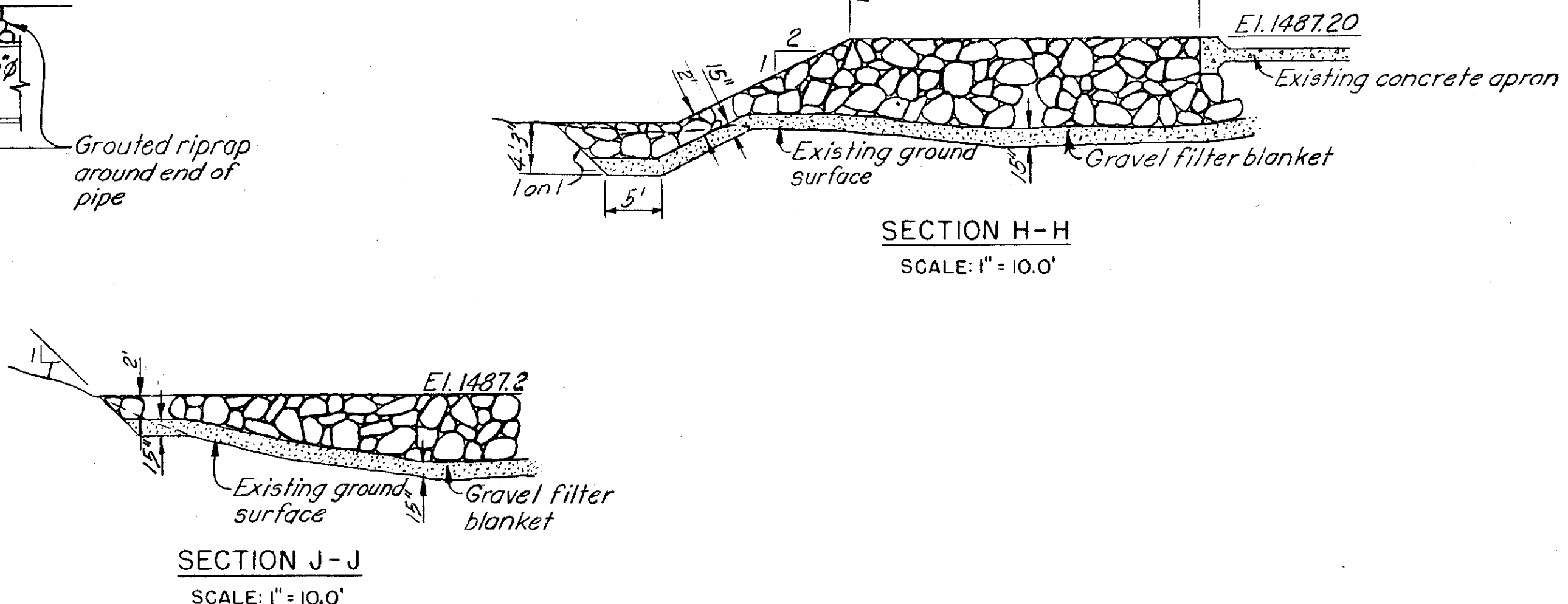
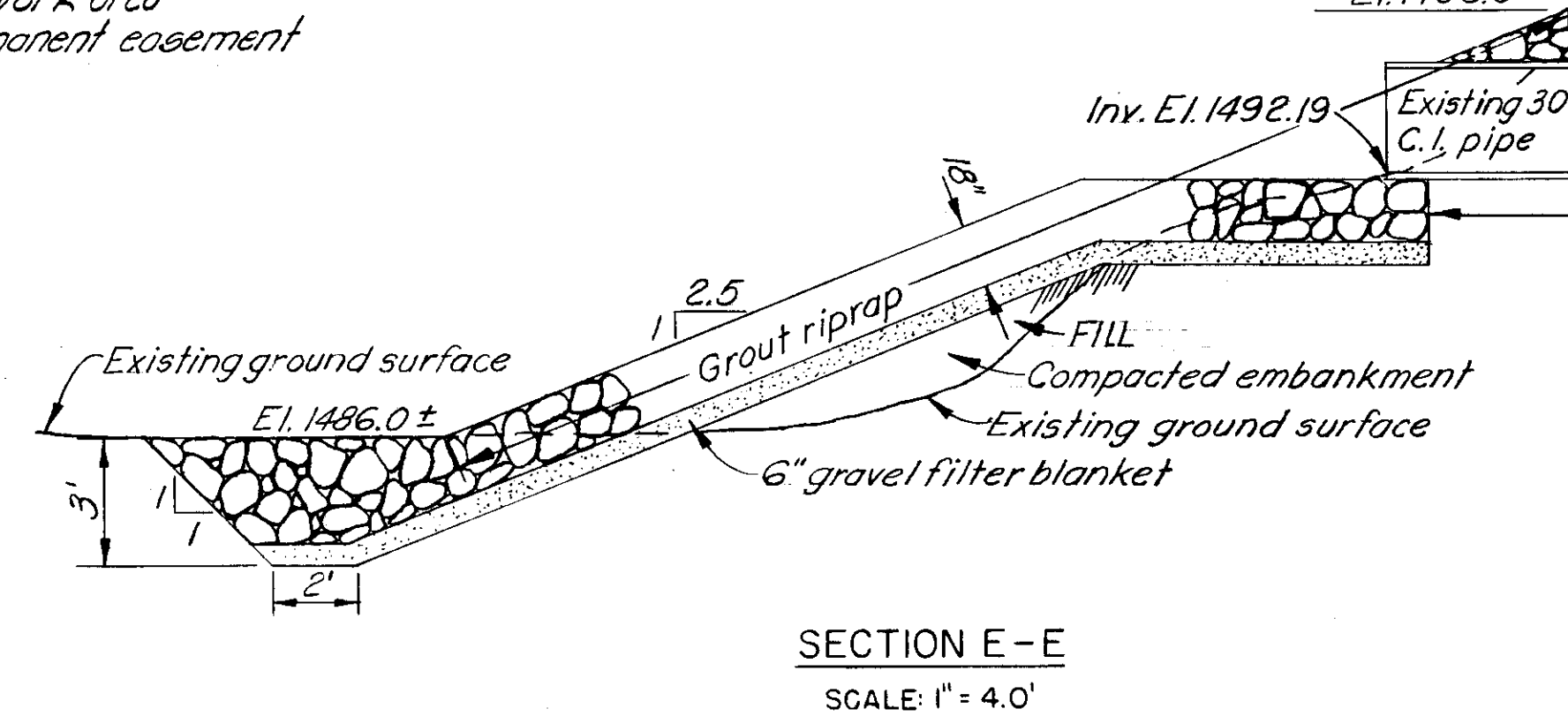
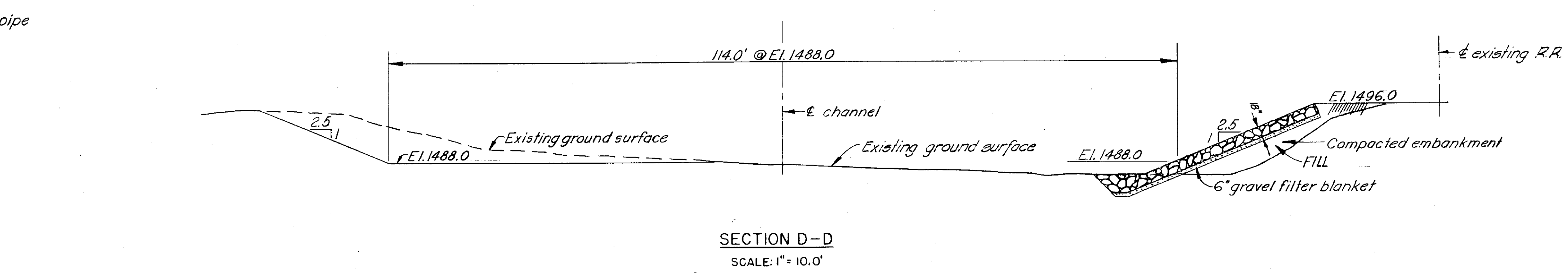
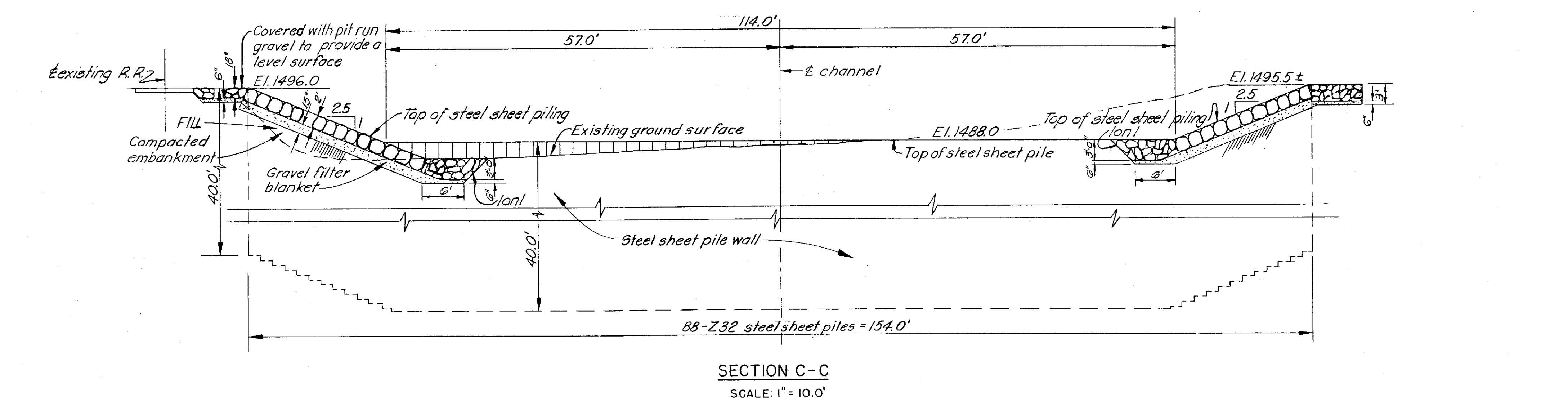
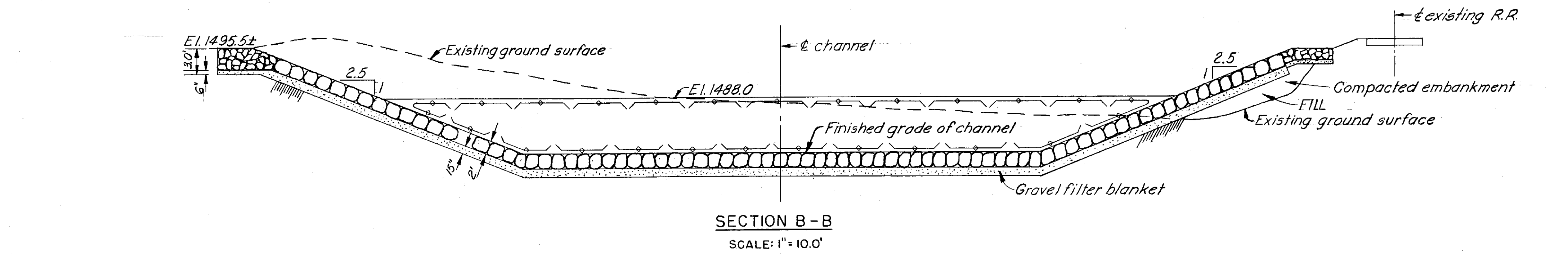
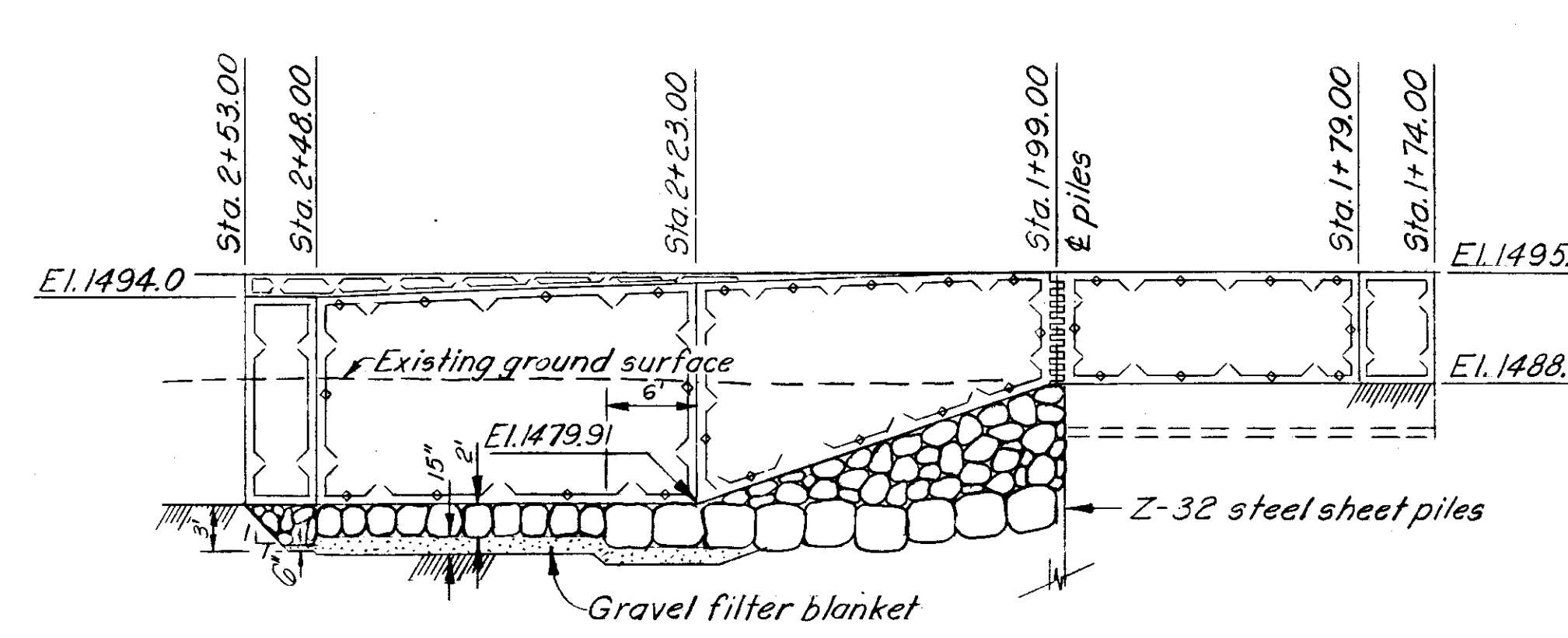
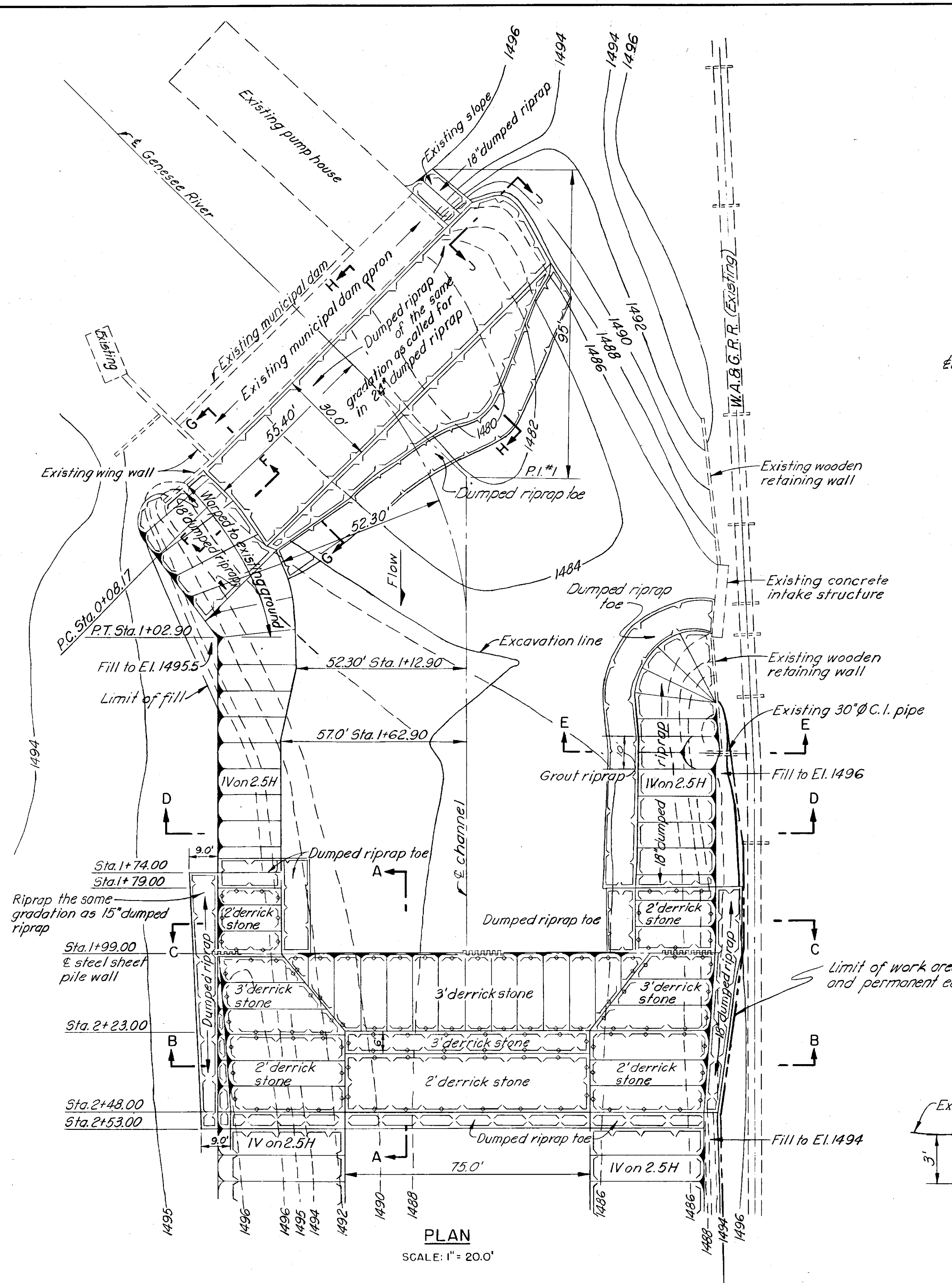
John D. Butler

CIVIL & E. DISTRICT ENGINEER

REVISION	DATE	DESCRIPTION	BY
<p>CORPUS OF ENGINEERS U. S. ARMY OFFICE OF THE DISTRICT ENGINEER BUFFALO 7, NEW YORK</p>			
DRAWN BY:	J. J. N.	<p>LOCAL FLOOD PROTECTION AT WELLSVILLE, N.Y. DROP STRUCTURE GENESEE RIVER STA. 68+04.5 TO STA. 69+17.0</p>	
TRACED BY:	J. J. N.		
CHECKED BY:	<i>[Signature]</i>		
SUBMITTED BY:	<i>[Signature]</i>		
<p>CHECKED BY: <i>[Signature]</i> BRANCH</p> <p>APPROVED: <i>[Signature]</i></p> <p>CIVIL DISTRICT ENGINEER</p>		<p>DATE: 17 FEB. 1956</p>	
<p>APPROVED:</p> <p>To accompany specifications Serial No. CIVNG-30-023-56-6</p>		<p>SCALE: AS SHOWN</p> <p>DRAWING NUMBER F-189-A-10/15</p> <p>SHEET 15 OF 19</p>	

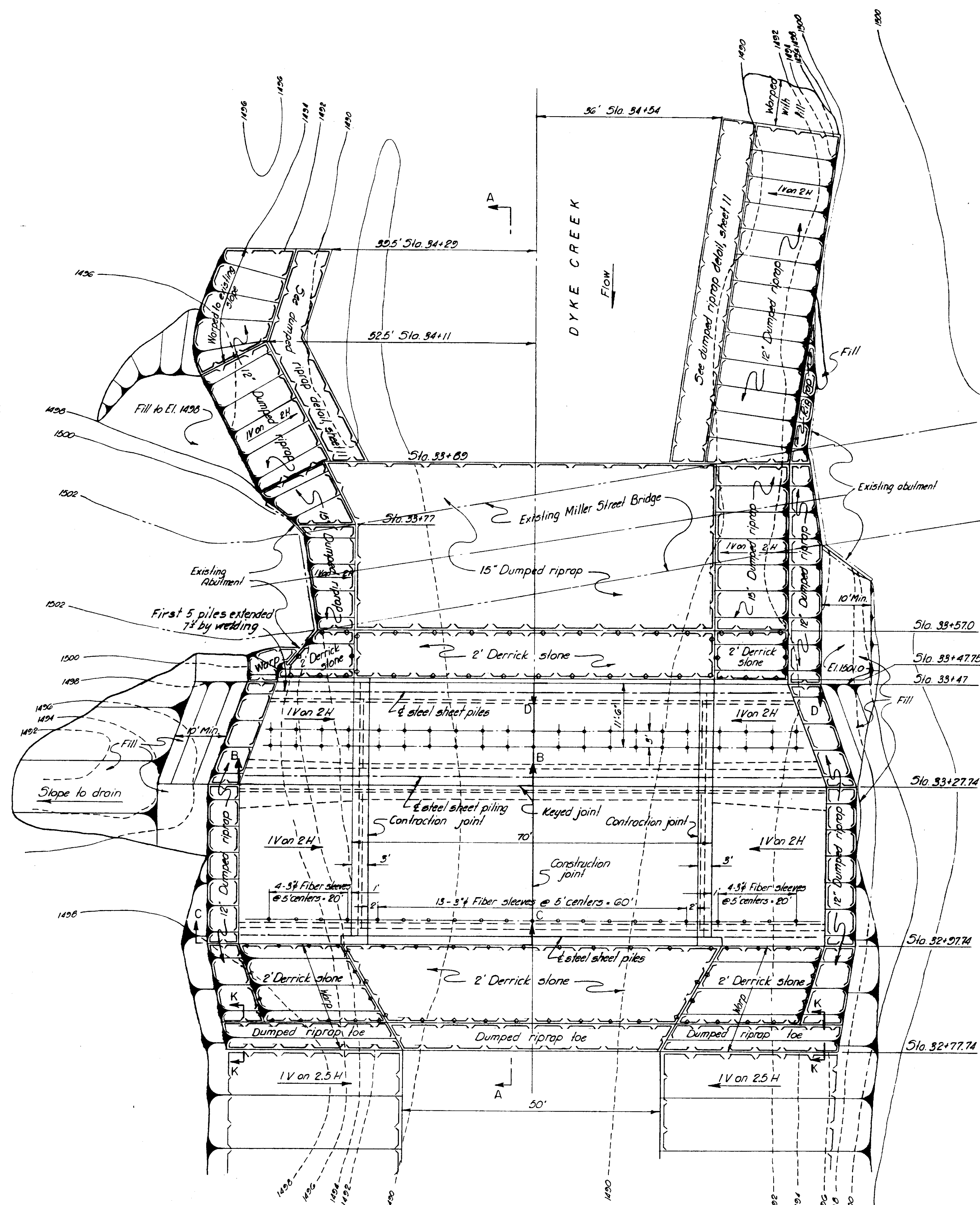


AS CONSTRUCTED		SUBMITTED BY <i>James H. Miller</i> COL. C. E. DISTRICT ENGINEER	
REVISION	DATE	DESCRIPTION	BY
CORPS OF ENGINEERS U. S. ARMY OFFICE OF THE DISTRICT ENGINEER BUFFALO 7, NEW YORK			
LOCAL FLOOD PROTECTION AT WELLSVILLE, N.Y.			
2-36" CULVERTS THROUGH LEVEE 1-24" STORM SEWER THROUGH LEVEE			
DRAWN BY: <i>AFR</i>			
TRACED BY: <i>AFR</i>			
CHECKED BY: <i>RL</i>			
SUBMITTED BY: <i>James H. Miller</i>			
APPROVED: <i>James H. Miller</i>	17 FEB. 1956		
To accompany specifications Serial No. CIVENG-30-023-56-6		SCALE: 1"=5'-0"	SPEC. NO.
DATE:		DRAWING NUMBER F-189-A-10/16	SHEET 16 OF 19

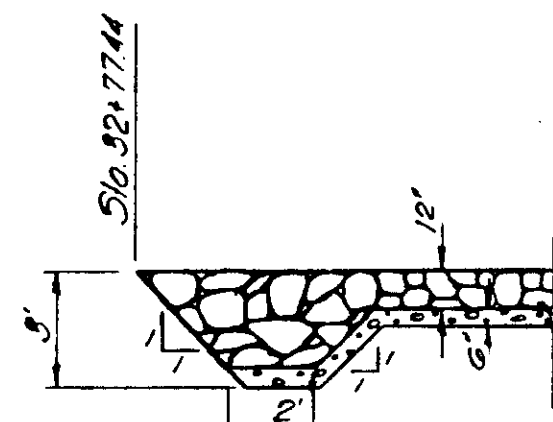


NOTES:
All elevations are above mean sea level.
Dumped riprap toe adjacent to derrick stone has the same gradation as 18" dumped riprap.
All work indicated on this drawing is new work except where designated as existing.

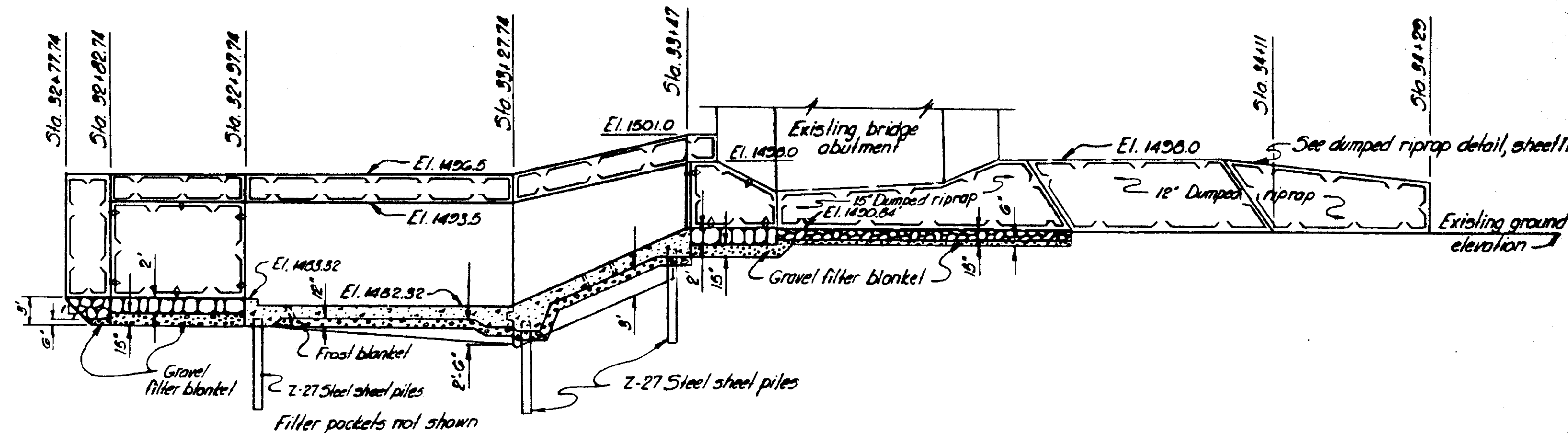
AS CONSTRUCTED			
SUBMITTED: <i>[Signature]</i> CHIEF, CONSTRUCTION DIVISION		APPROVED: <i>[Signature]</i> COL., C. E. DISTRICT ENGINEER	
REVISION	DATE	DESCRIPTION	BY
CORPS OF ENGINEERS U. S. ARMY OFFICE OF THE DISTRICT ENGINEER BUFFALO 7, NEW YORK			
DRAWN BY: V.C.B.		LOCAL FLOOD PROTECTION AT WELLSVILLE, N.Y.	
TRACED BY: V.C.B.		STEEL SHEET PILE WALL AND CHANNEL DETAILS	
CHECKED BY: <i>[Signature]</i>		GENESEE RIVER	
SUBMITTED BY: <i>[Signature]</i>		STA. 0+00 TO STA. 2+53.0	
APPROVED: <i>[Signature]</i>		DATE: 17 FEB. 1956	
To accompany specifications Serial No. CIVENG-30-023-56-6		DRAWING NUMBER F-189-A-10/17	
DATE:		SHEET 17 OF 19	



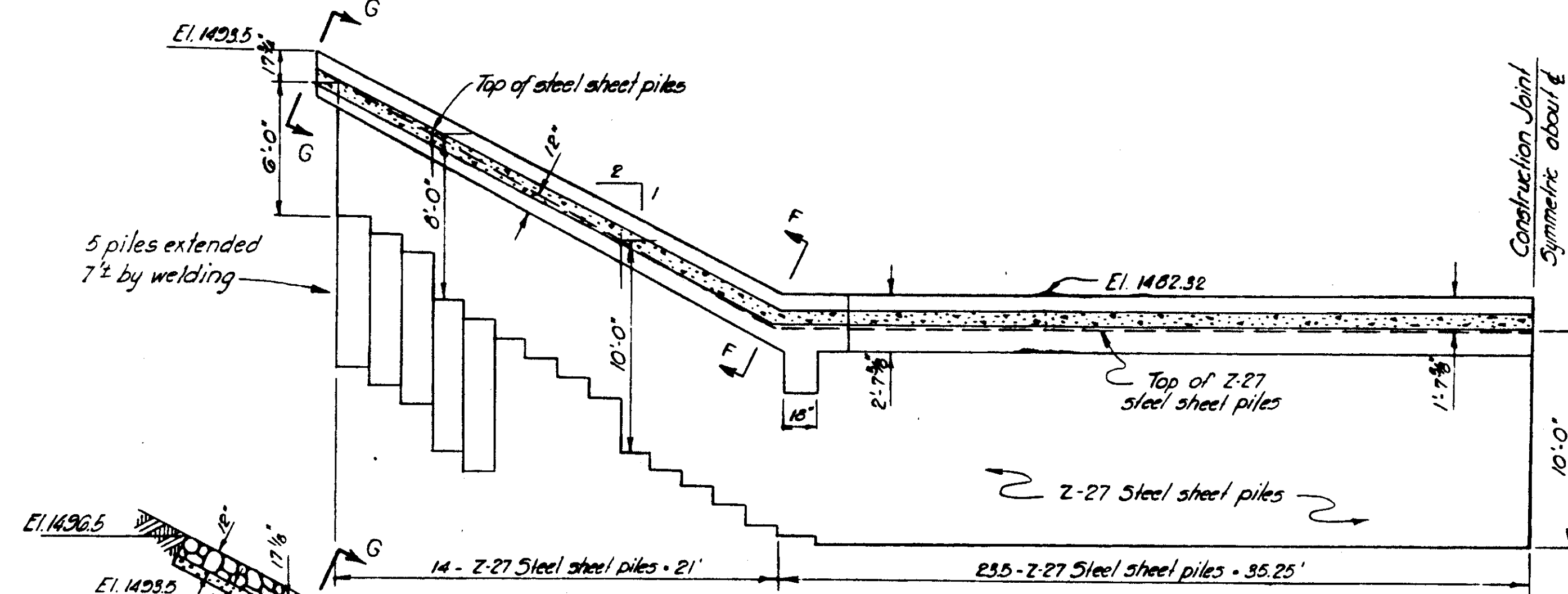
PLAN
SCALE 1" = 10'



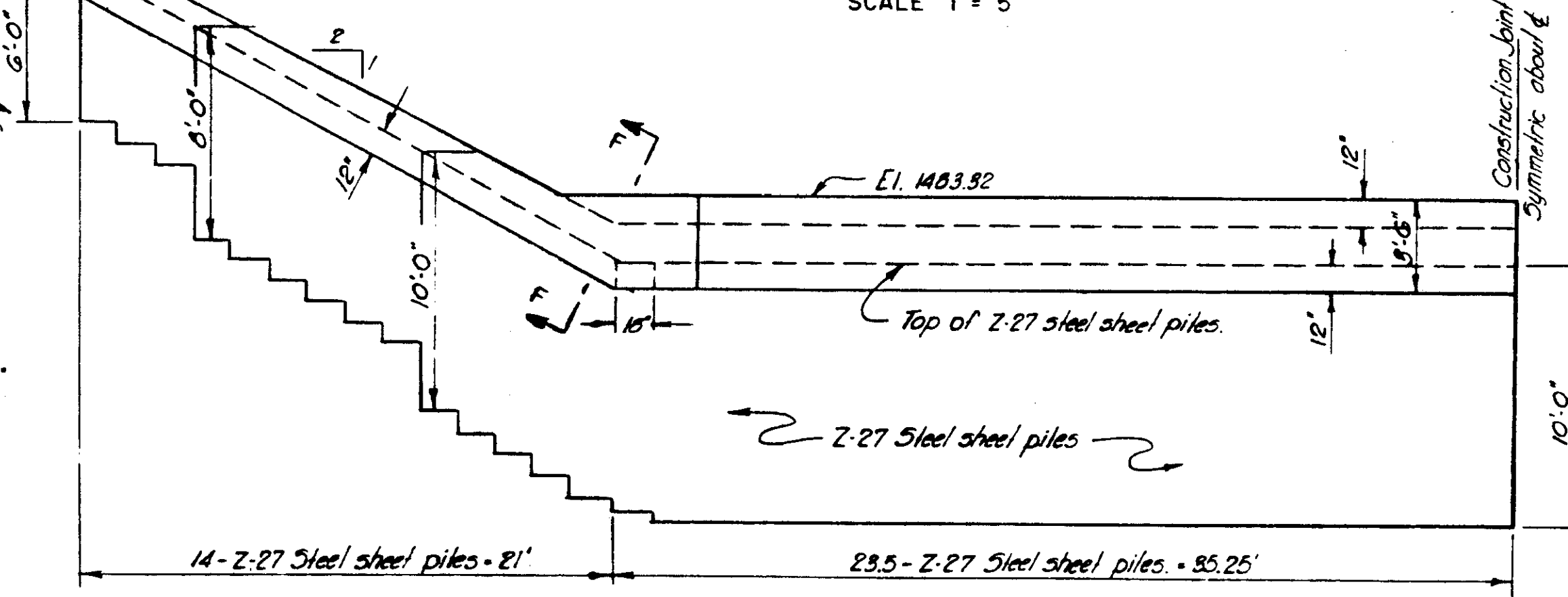
SECTION K-K
SCALE 1" = 5'



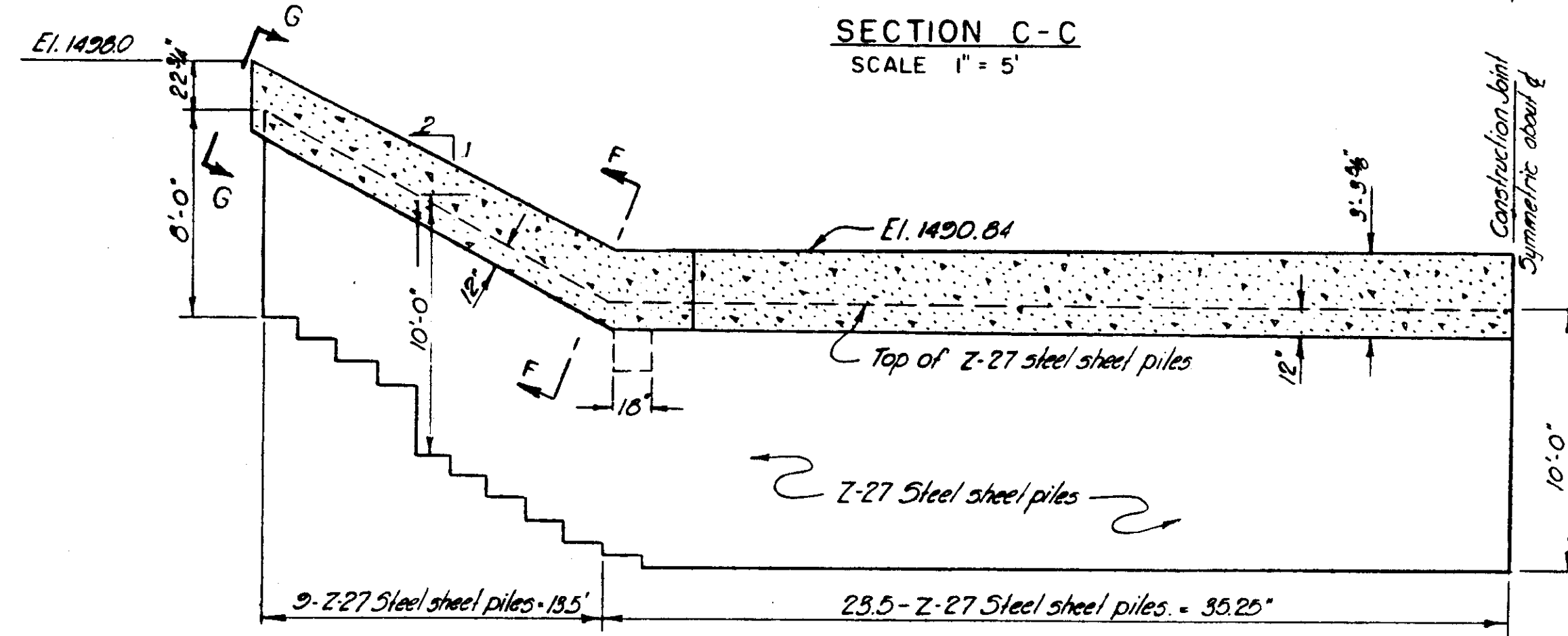
SECTION A-A
SCALE 1" = 10'



SECTION B-B
SCALE 1" = 5'



SECTION C-C
SCALE 1" = 5'



SECTION D-D
SCALE 1" = 5'

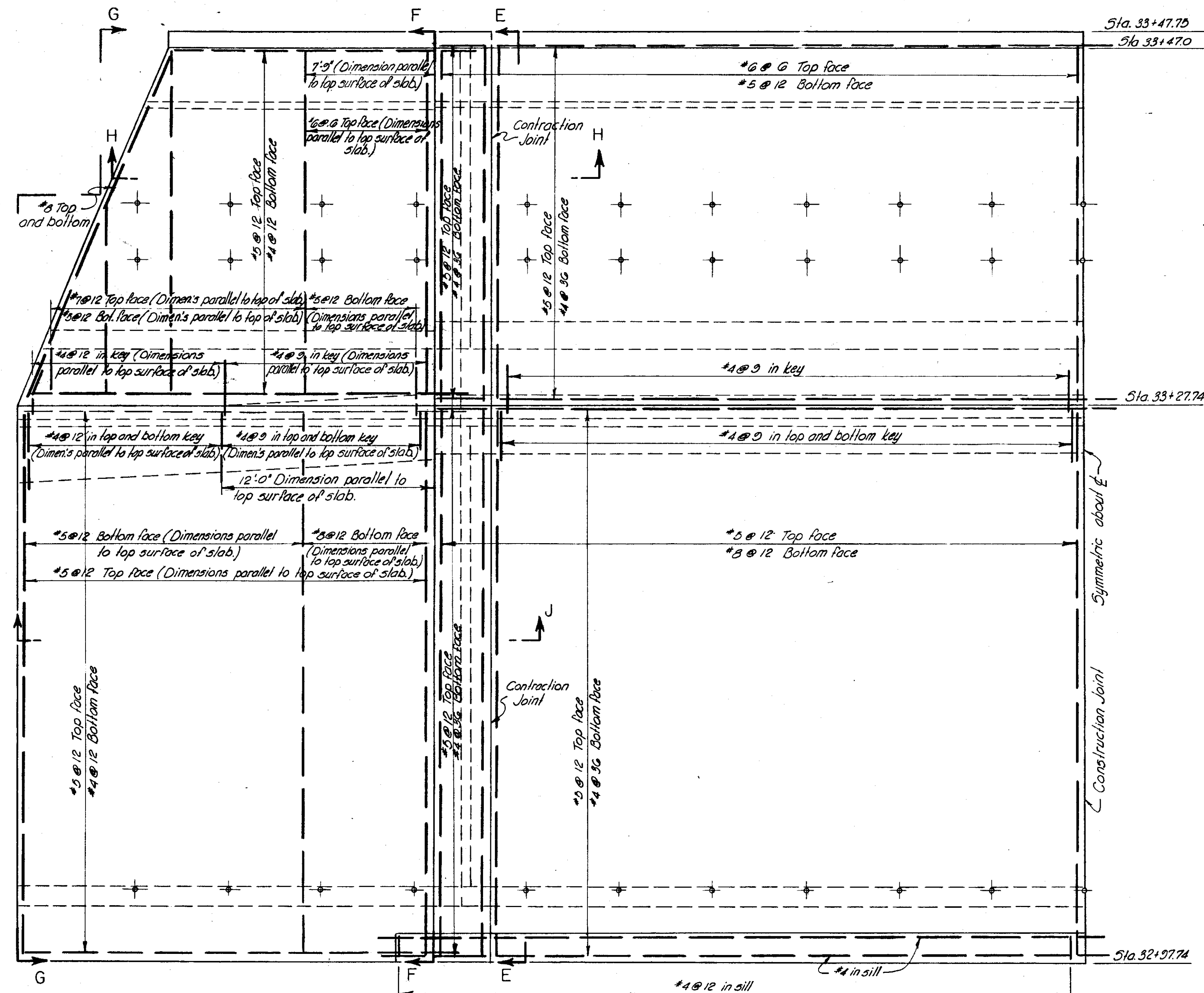
NOTES

- All elevations are above Mean Sea Level.
- All exposed corners have a 1" chamfer.
- For Sections F-F and G-G, see sheet 19.
- All FILL within 95' of the E of channel is compacted embankment.
- Dumped riprap toe adjacent to derrick stone has the same gradation as 18" dumped riprap.
- Reinforcement not shown on this sheet. See sheet 19.

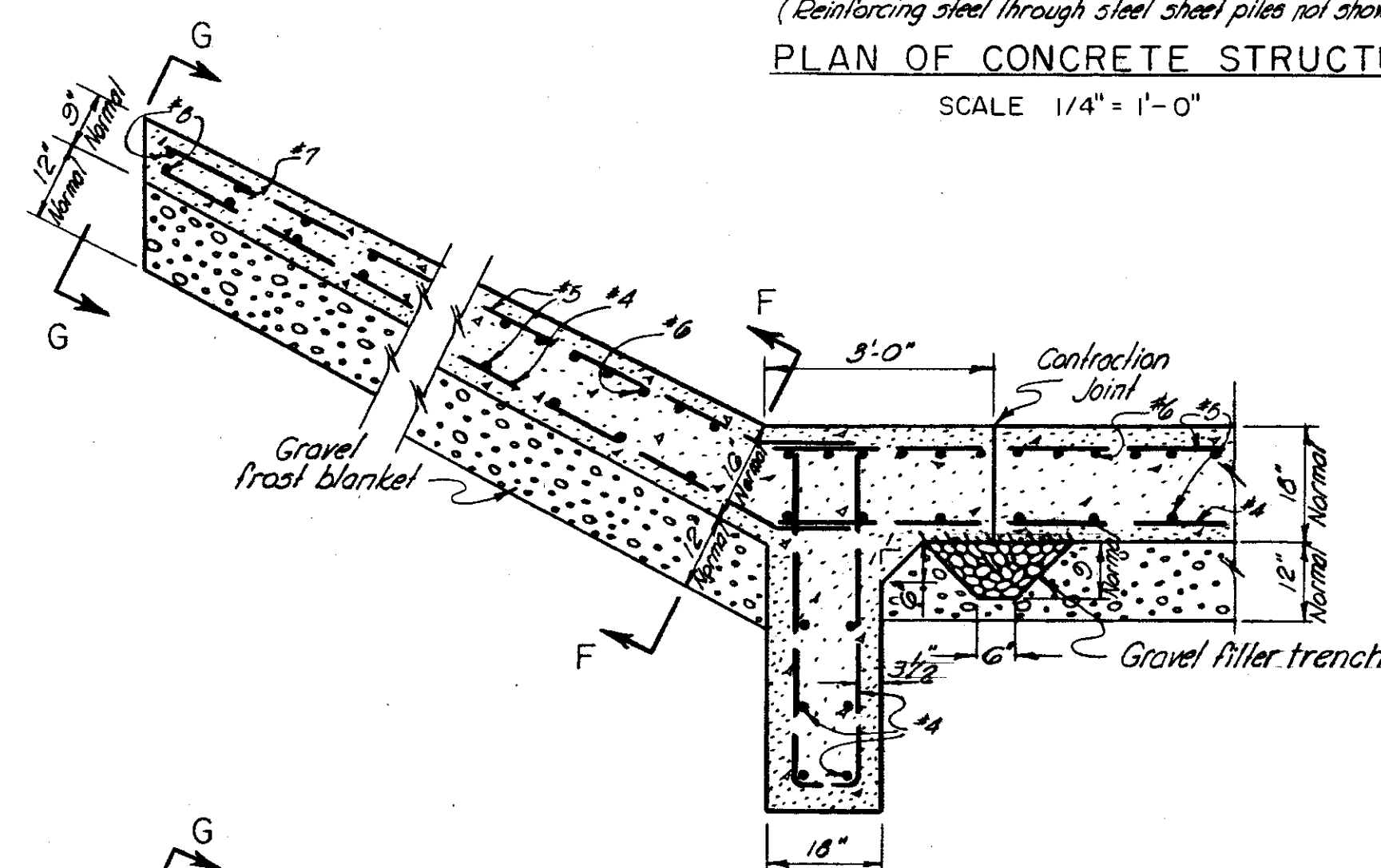
AS CONSTRUCTED

SUBMITTED: *[Signature]* CHIEF, CONSTRUCTION DIVISION
APPROVED: *[Signature]* COL., U. S. DISTRICT ENGINEER

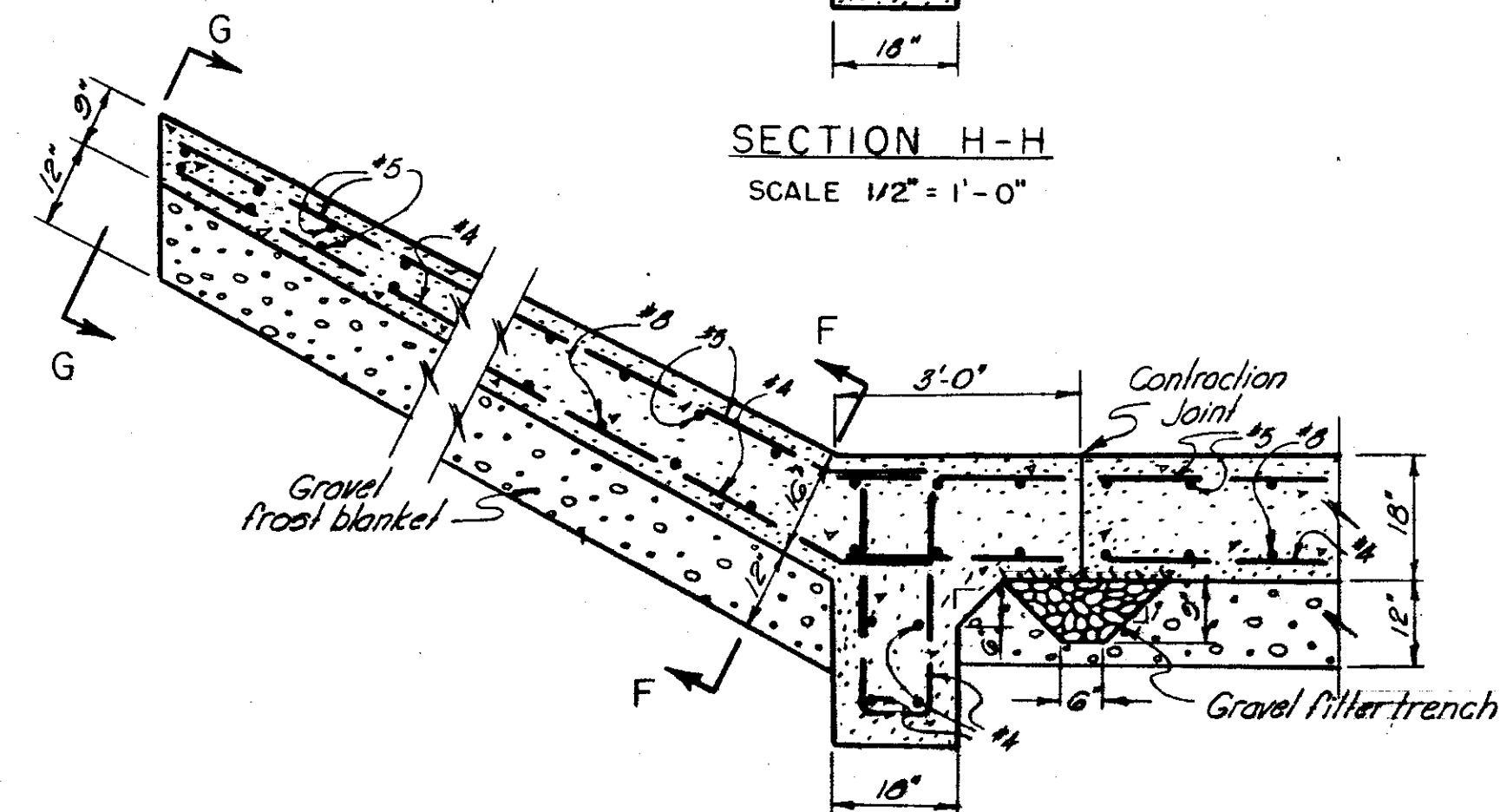
REVISION	DATE	DESCRIPTION	BY
<p align="center">CORPS OF ENGINEERS U. S. ARMY OFFICE OF THE DISTRICT ENGINEER BUFFALO 7, NEW YORK</p> <p align="center">LOCAL FLOOD PROTECTION AT WELLSVILLE, N.Y. DROP STRUCTURE DYKE CREEK STA 32+77.74 TO STA 34+54</p>			
DRAWN BY: <i>AFR</i>		DATE: 17 FEB 1956	
TRACED BY: <i>AFR</i>		SCALE: AS SHOWN	
CHECKED BY: <i>[Signature]</i>		SPEC. NO.	
SUBMITTED BY: <i>[Signature]</i>		DRAWING NUMBER	
APPROVED: <i>[Signature]</i>		F-189-A-10/18	
To accompany specifications Serial		SHEET 18 OF 19	
No. CIVENG-30-D23-56-6			
DATE:			



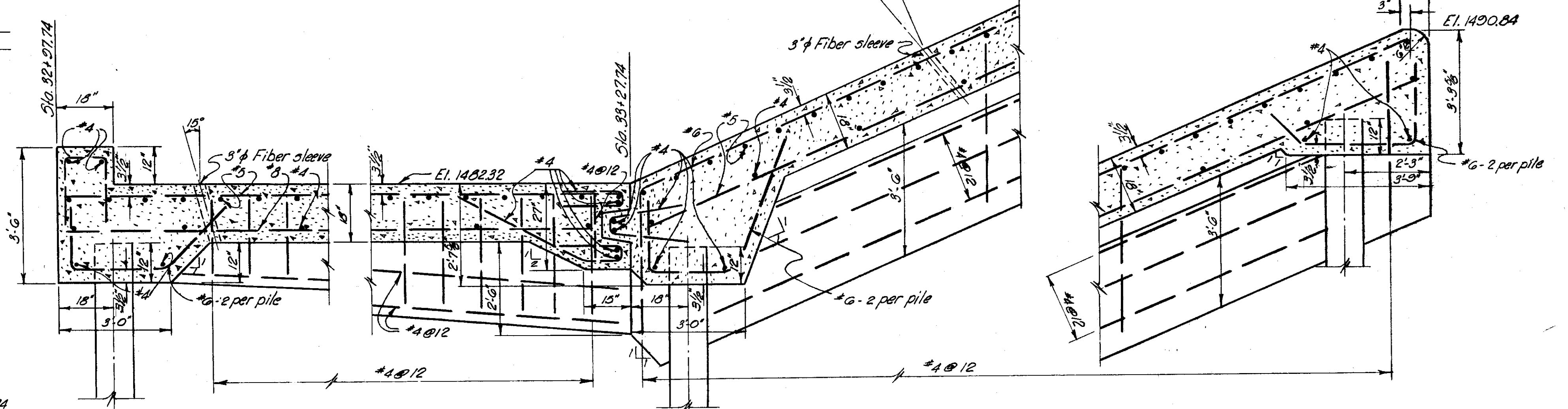
(Reinforcing steel through steel sheet piles not shown.)
PLAN OF CONCRETE STRUCTURE
 SCALE 1/4" = 1'-0"



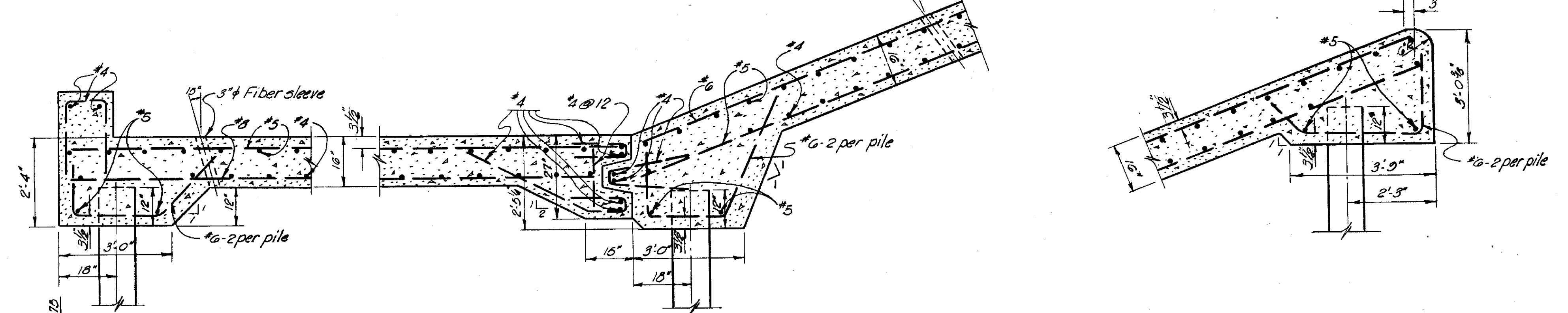
SECTION H-H
 SCALE 1/2" = 1'-0"



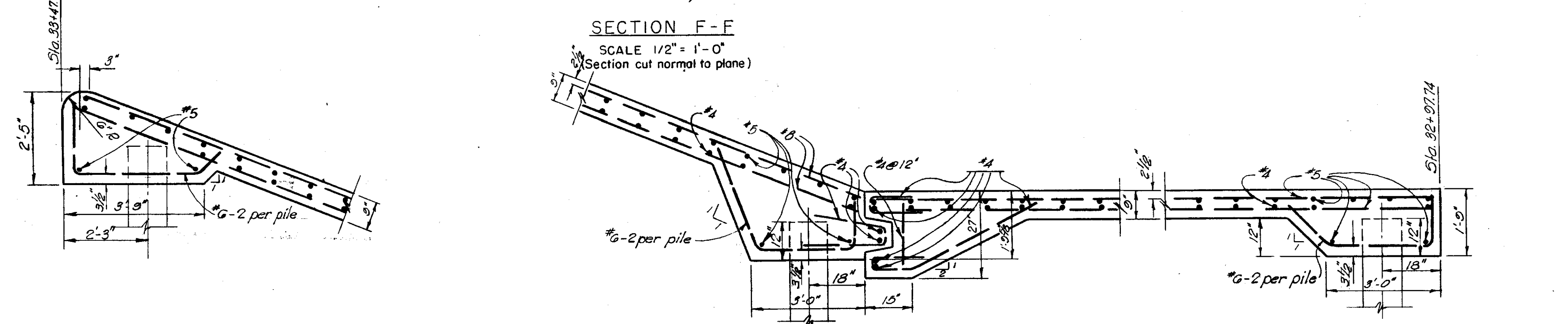
SECTION J-J
 SCALE 1/2" = 1'-0"



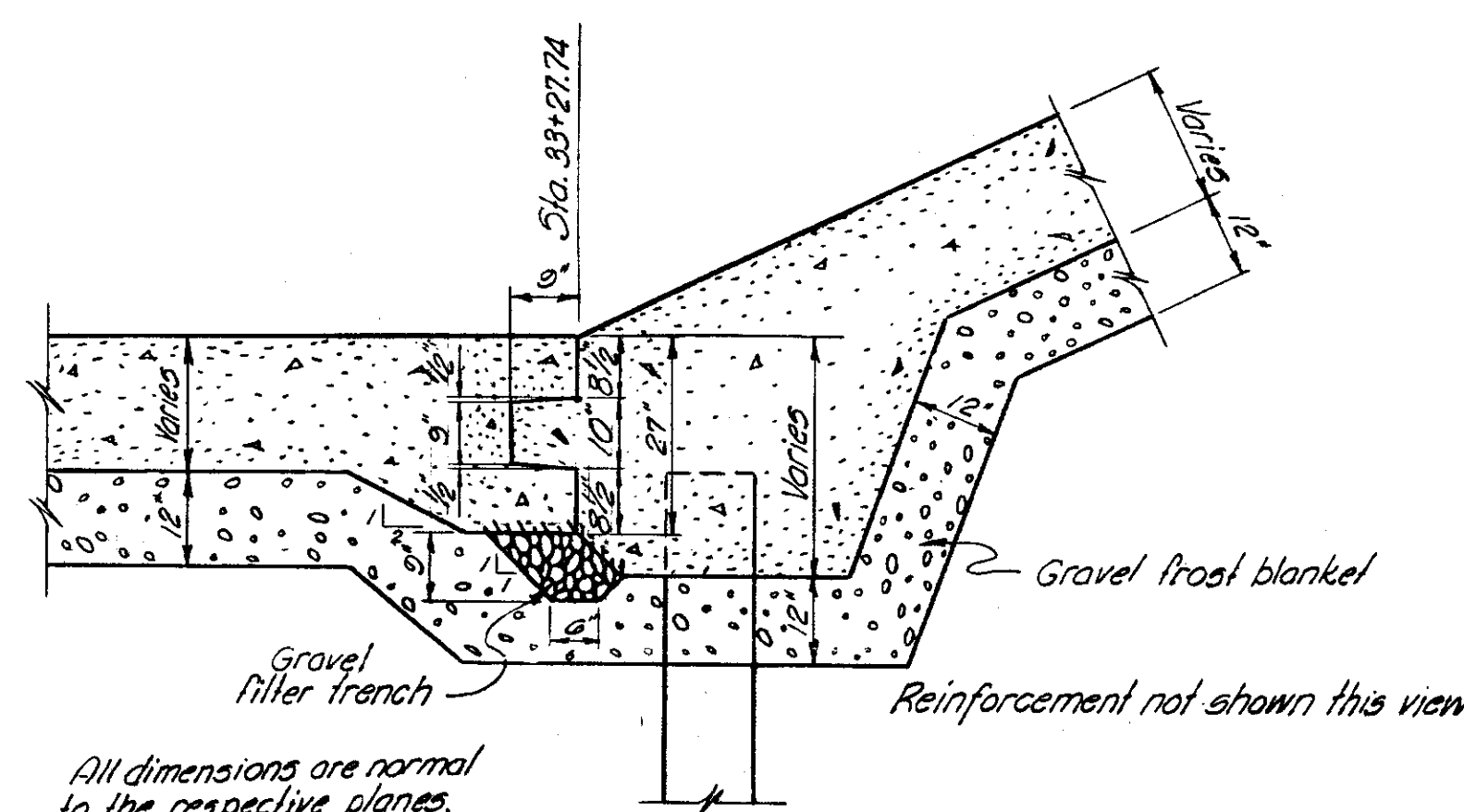
SECTION E-E
 SCALE 1/2" = 1'-0"



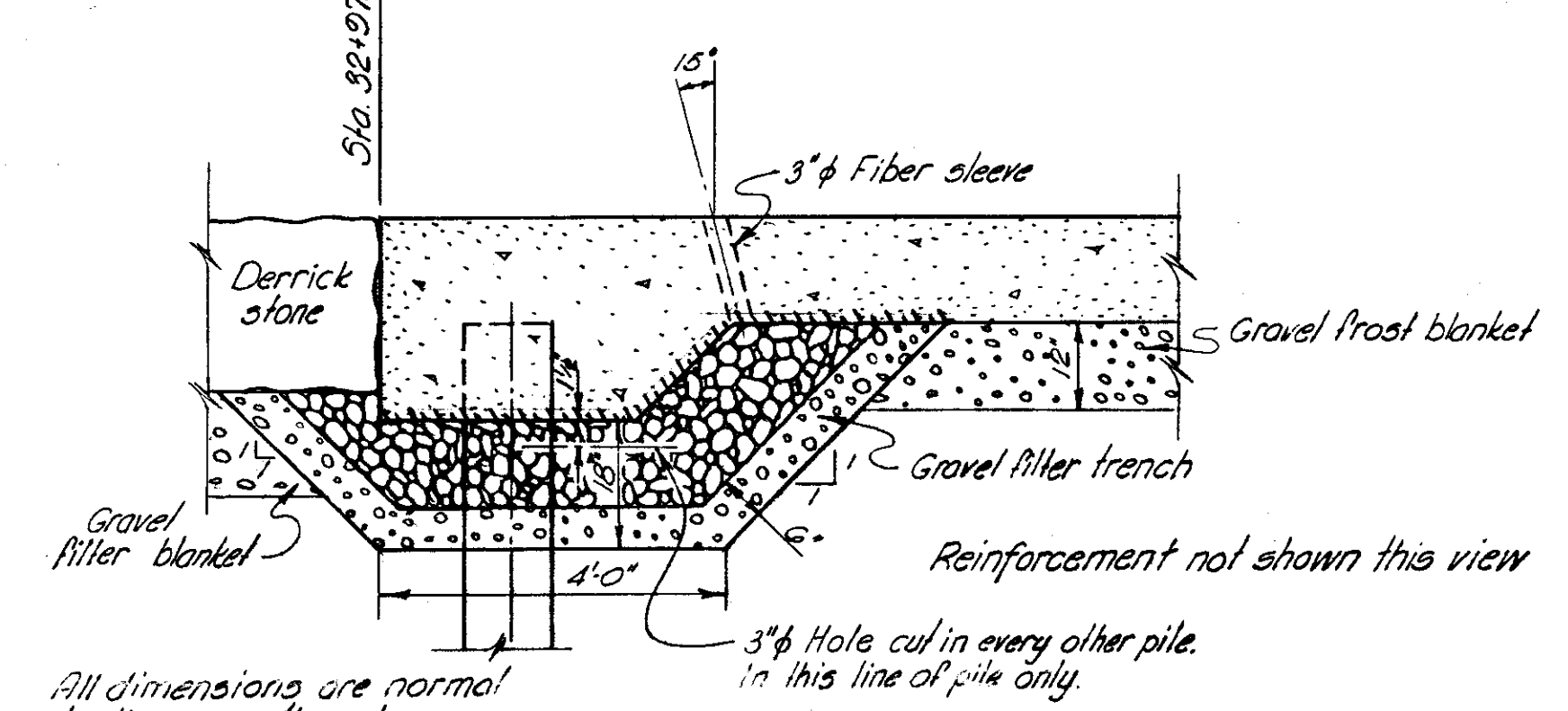
SECTION F-F
 SCALE 1/2" = 1'-0"
 (Section cut normal to plane)



SECTION G-G
 SCALE 1/2" = 1'-0"
 (Section cut normal to plane)



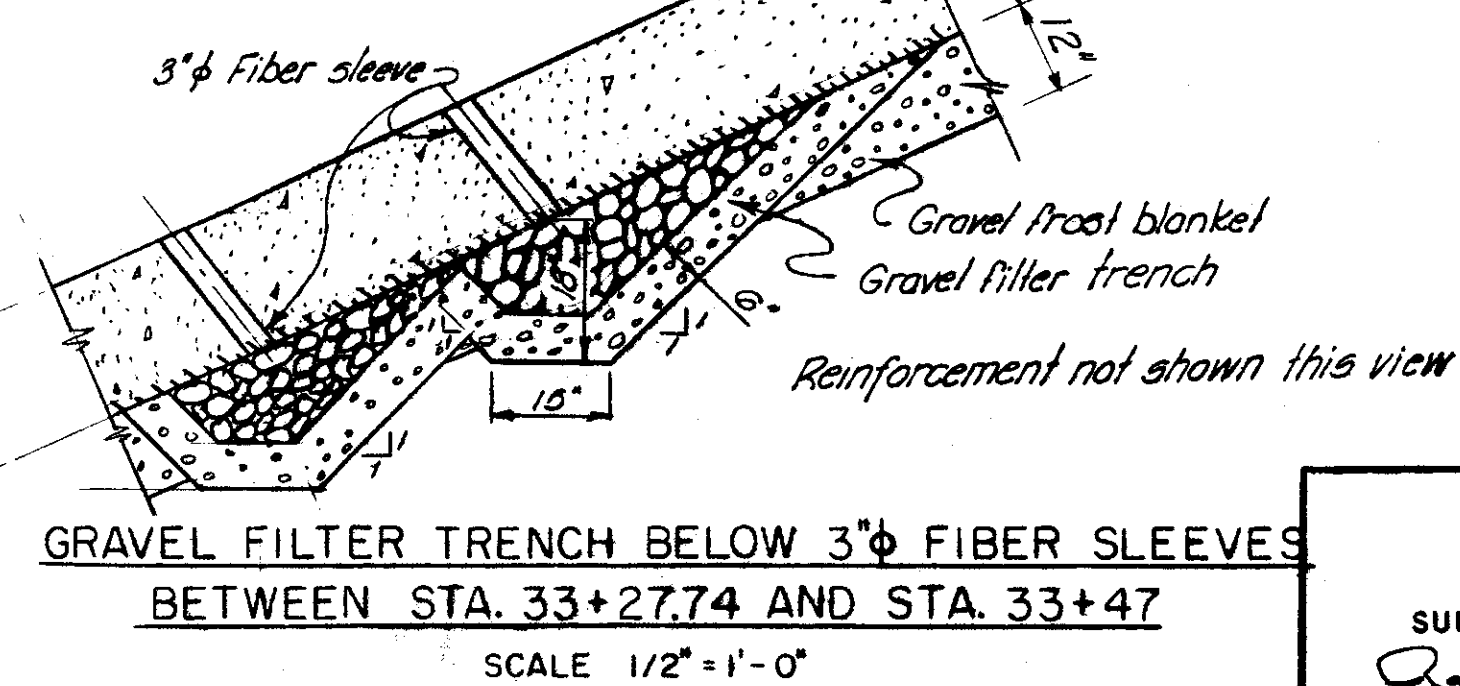
GRAVEL FILTER TRENCH AND KEY DETAIL ALONG STA. 33+27.74
 SCALE 1/2" = 1'-0"



GRAVEL FILTER TRENCH ALONG STA. 32+97.74
 SCALE 1/2" = 1'-0"

NOTES

- All elevations are above Mean Sea Level.
- All exposed corners have a 1" chamfer.
- Reinforcing steel not continuous through contraction joint.
- All reinforcement has a minimum of 3" cover unless otherwise shown.
- Water proof paper.



**GRAVEL FILTER TRENCH BELOW 3" FIBER SLEEVES
 BETWEEN STA. 33+27.74 AND STA. 33+47**
 SCALE 1/2" = 1'-0"

AS CONSTRUCTED

SUBMITTED: *Robert J. Miller*
 CHIEF, CONSTRUCTION DIVISION
 APPROVED: *Robert J. Miller*
 COL., DISTRICT ENGINEER

REVISION	DATE	DESCRIPTION	BY
CORPS OF ENGINEERS U. S. ARMY OFFICE OF THE DISTRICT ENGINEER BUFFALO 7, NEW YORK			
LOCAL FLOOD PROTECTION AT WELLSVILLE, N.Y. DROP STRUCTURE DYKE CREEK STA 32+77.74 TO STA 34+54			
DRAWN BY: A.F.R. TRACED BY: A.F.R. CHECKED BY: <i>[Signature]</i> SUBMITTED BY: <i>[Signature]</i> APPROVED: <i>[Signature]</i> DATE: 17 FEB. 1956		SCALE: AS SHOWN SPEC. NO.: DRAWING NUMBER: F-189-A-10/19 SHEET 19 OF 19	