

# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

**View of Corliss Pump Station from across R.R. tracks**



**View of Corliss Pump Station gated access and entrances**



# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

**View of Corliss Pump Station from across R.R. tracks;  
diversion structure at the right gate**



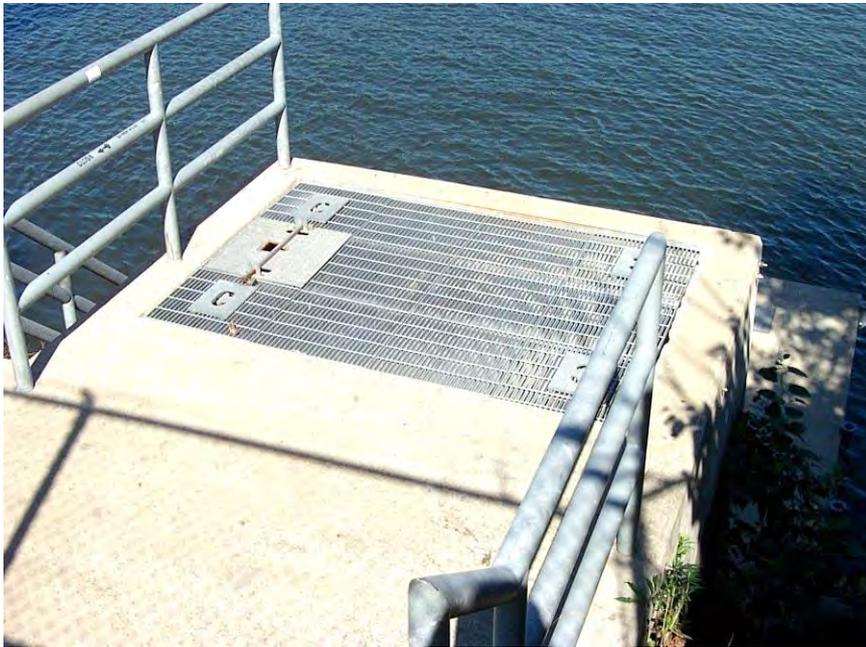
**View of Corliss Pump diversion structure for bypass pumping**



# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

**Corliss PS O-13 diversion structure for bypass pumping**



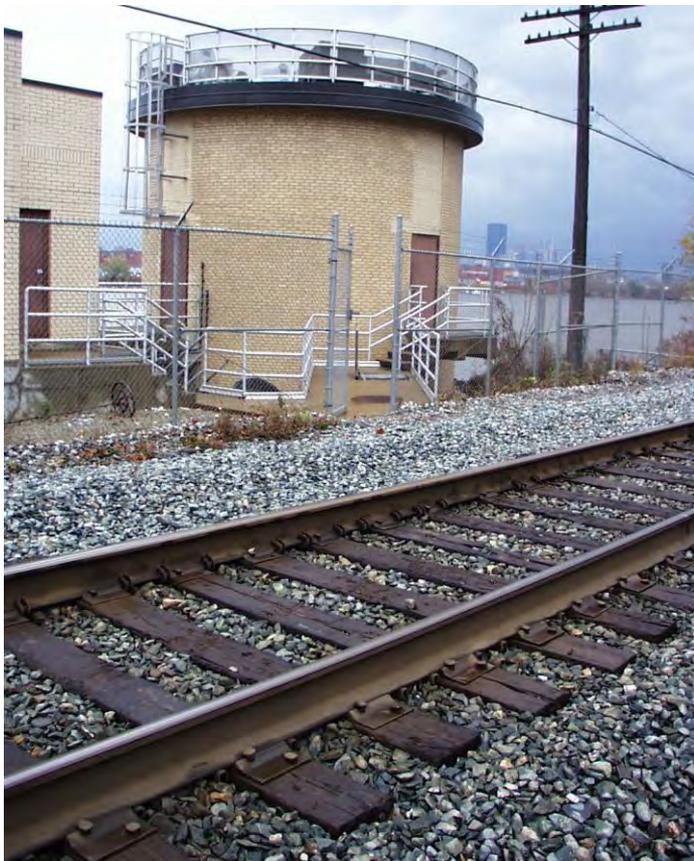
**Previous barge based project at Corliss PS/O-13 diversion structure**



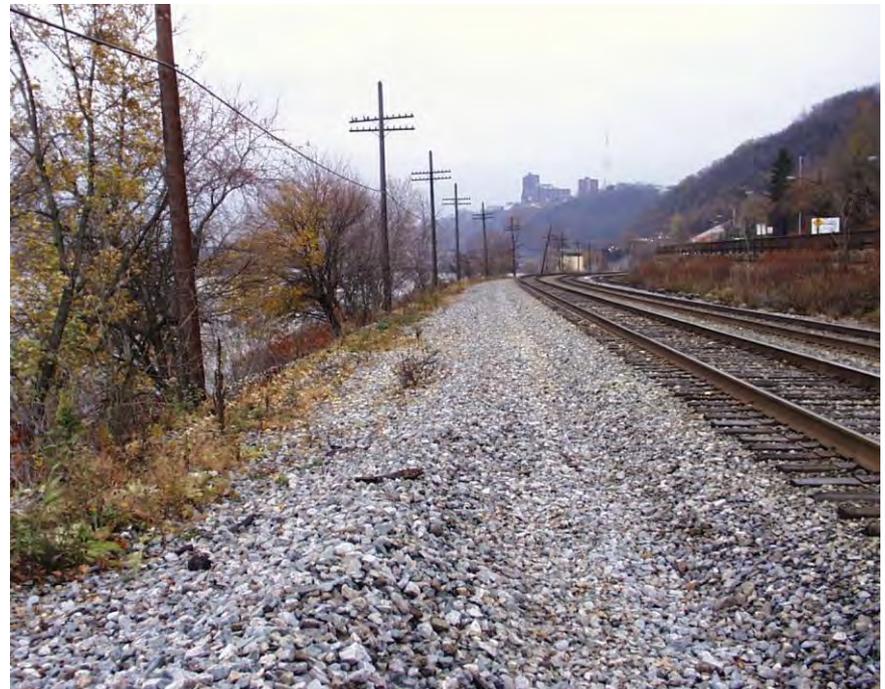
# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

**Corliss PS view from R.R. tracks**



**Corliss PS view along R.R. tracks, looking upstream toward PS**



# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

**Corliss PS view along R.R. tracks, looking downstream from PS**



**Corliss PS view along R.R. tracks, looking downstream from PS**



# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

Corliss PS view along R.R. tracks, looking upstream from O-10-02 direction



Surface view of force main discharge valve/meter vault



# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

**Corliss PS valve/meter vault interior; looking downstream on force main**



**Corliss PS valve/meter vault interior; view of Asbestos Cement pipe and electrical in vault from manhole**



# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

**Corliss PS valve/meter vault interior; looking upstream on force main**



**Corliss PS valve/meter vault interior; view of magmeter and piping from access hatch**



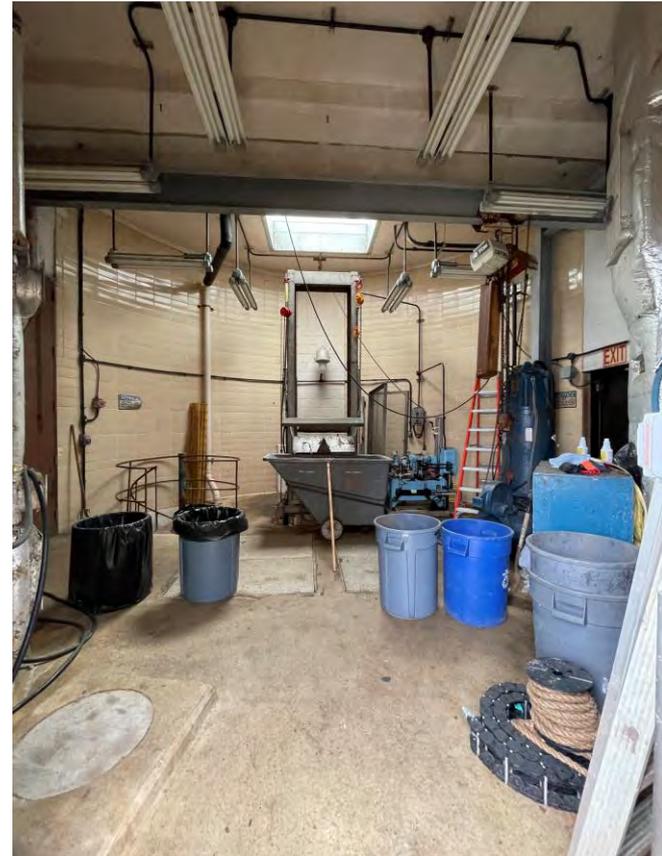
# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

**Corliss PS existing mechanical bar screen equipment**



**Corliss PS existing mechanical bar screen equipment**



# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

**Corliss PS existing mechanical bar screen equipment and overhead skylight**



**Corliss PS existing mechanical bar screen equipment and debris receptacle**



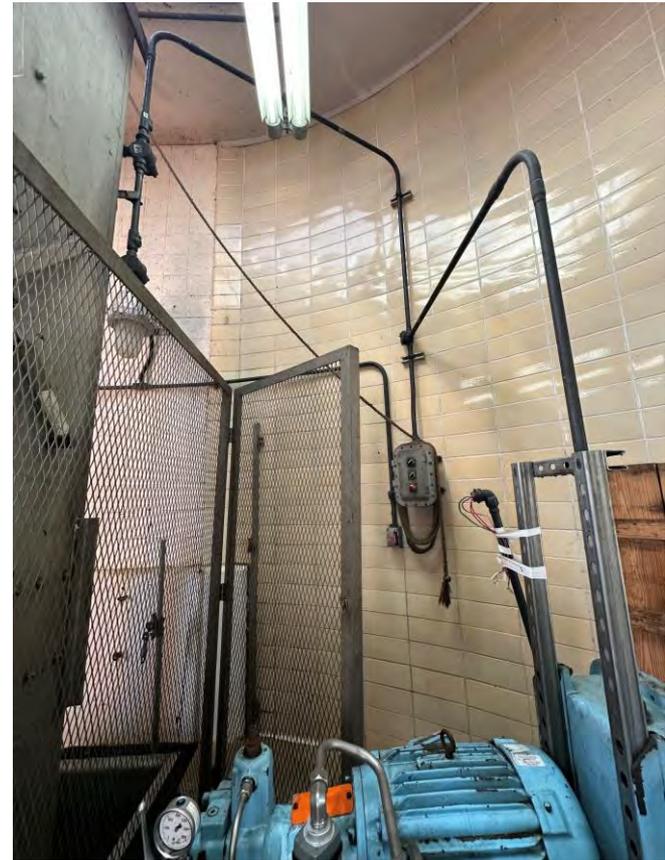
# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

**Corliss PS existing mechanical bar screen equipment hydraulic drive system**



**Corliss PS existing mechanical bar screen equipment drive system and local controls**



# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

**Corliss PS Bar Screen Breaker in Electrical Room**



**Corliss PS Bar Screen Remote Control Panel in Electrical Room**



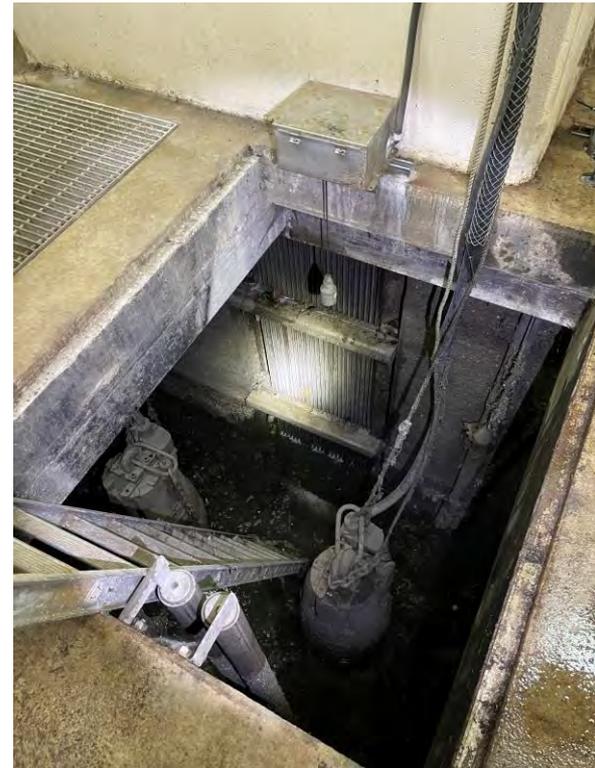
# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

**Corliss PS existing mechanical bar screen equipment  
climbing rake assembly**



**Corliss PS existing mechanical bar  
screen from inside wet well**



# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

Ella PS existing bar screen equipment



Ella PS existing bar screen channel opening at surface



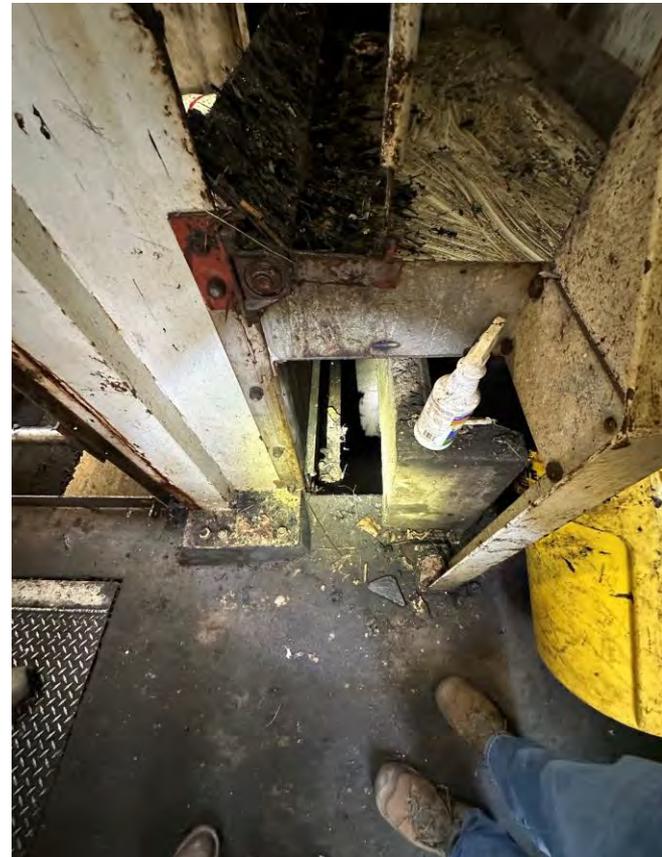
# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

**Ella PS existing bar screen equipment**



**Ella PS existing bar screen debris tray**



# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

Ella PS existing bar screen, view from wet well toward influent channel



Ella PS view of floor opening inside bar screen room to access influent channel



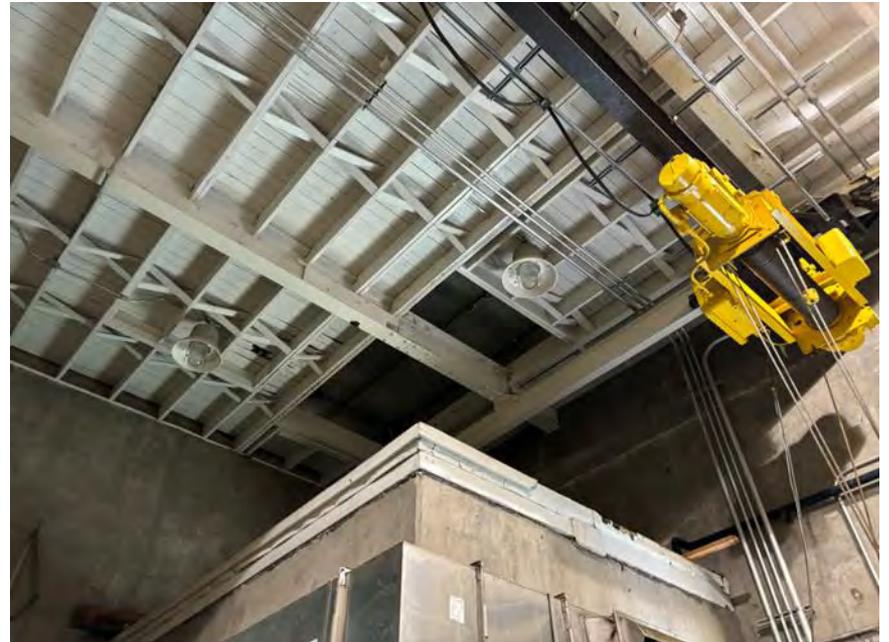
# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

**Ella PS roof hatch opening over bar screen room**



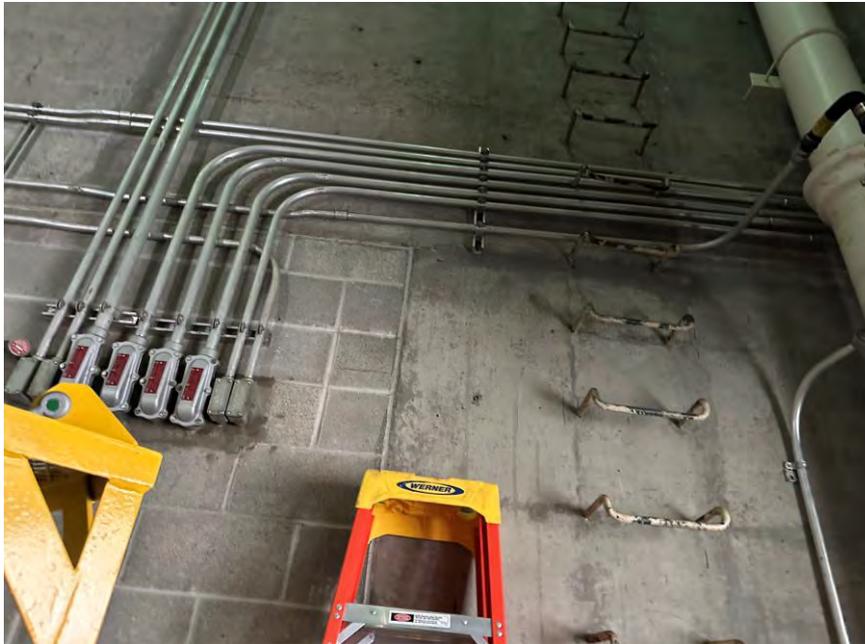
**Ella PS roof hatch opening over bar screen room**



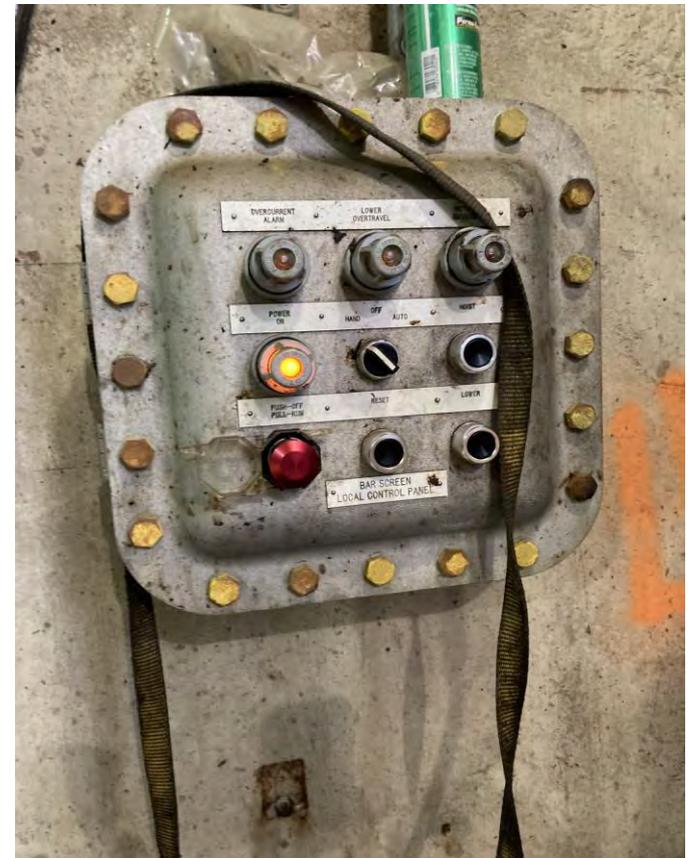
# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

Ella PS conduits inside pump room going to electrical room



Ella PS existing local control panel inside bar screen room



# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

Ella PS existing bar screen breaker



Ella PS existing bar screen remote control panel in electrical room



# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

**Ella PS existing bypass-pumping tee and FM discharge valve vault**



**Ella PS existing bypass-pumping tee and FM discharge valve vault**



# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

Ella PS existing sluice gate vault at surface



Ella PS existing sluice gate actuator stand



# Contract 1819 – Addendum No. 1

## Attachment E: Reference Site Details and Drawings

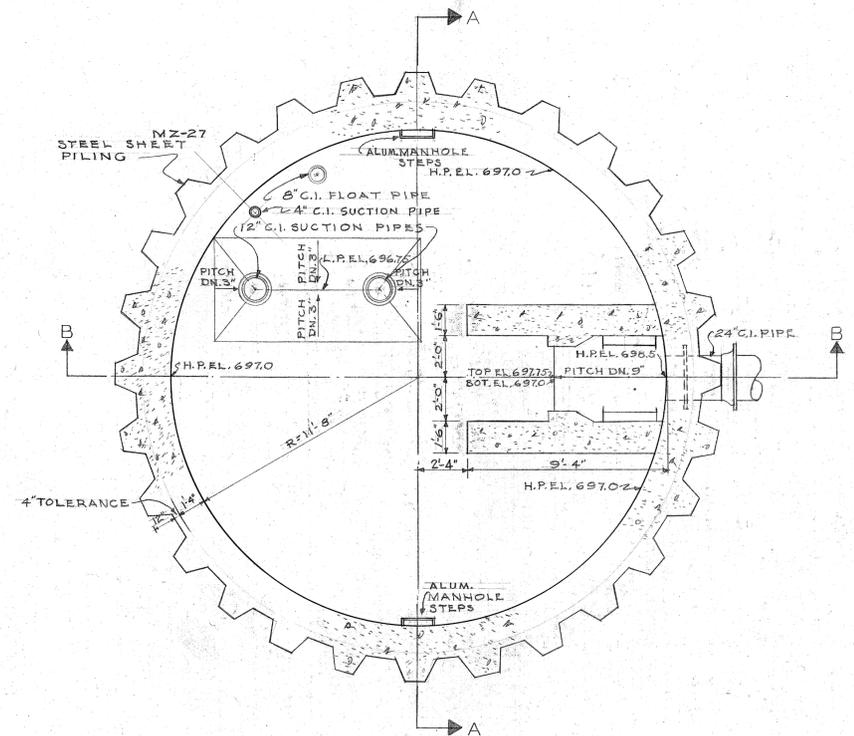
**Ella PS adjacent lots at corner of Ella and Hamilton; available for Contractor staging and laydown**



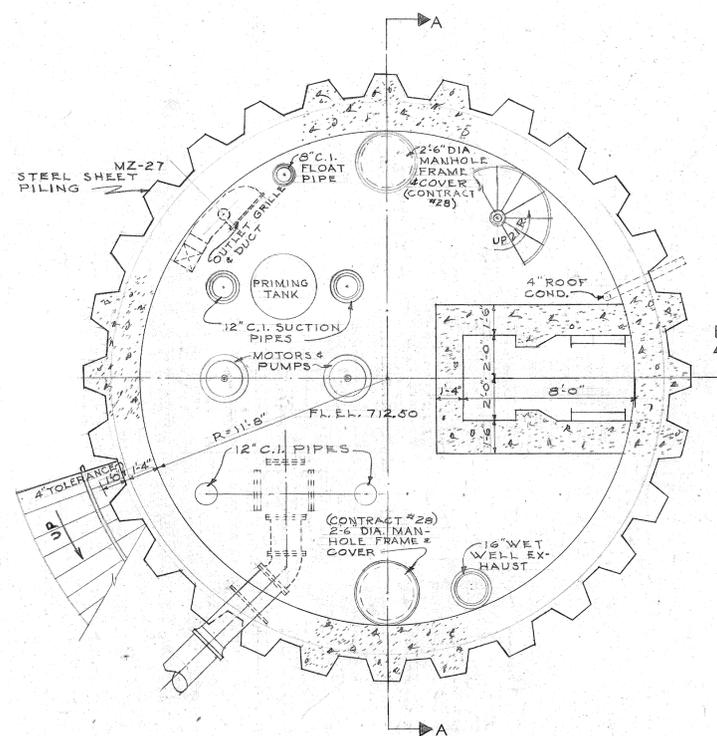
**Ella PS adjacent lots at corner of Ella and Hamilton; available for Contractor staging and laydown**



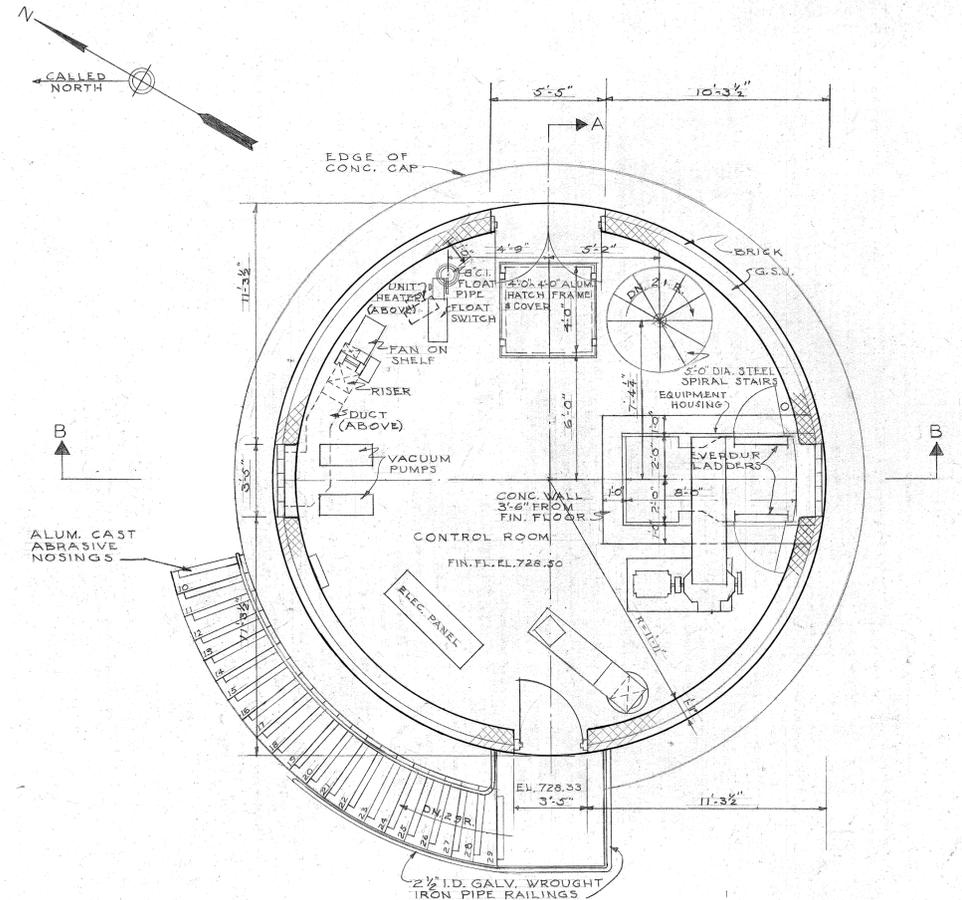
95827  
H  
8/65Z



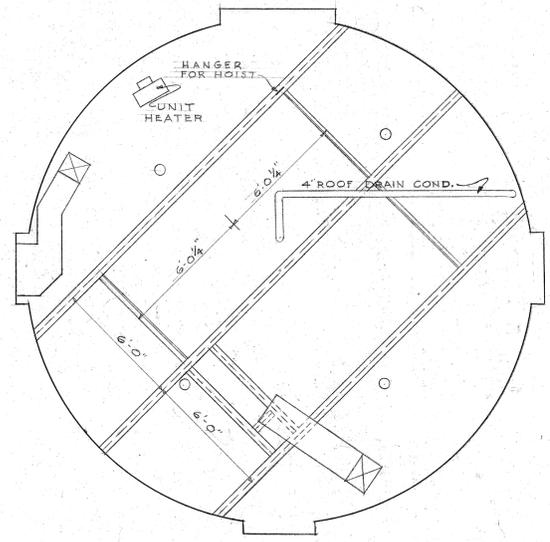
WET WELL FLOOR PLAN  
SCALE 1/4" = 1'-0"



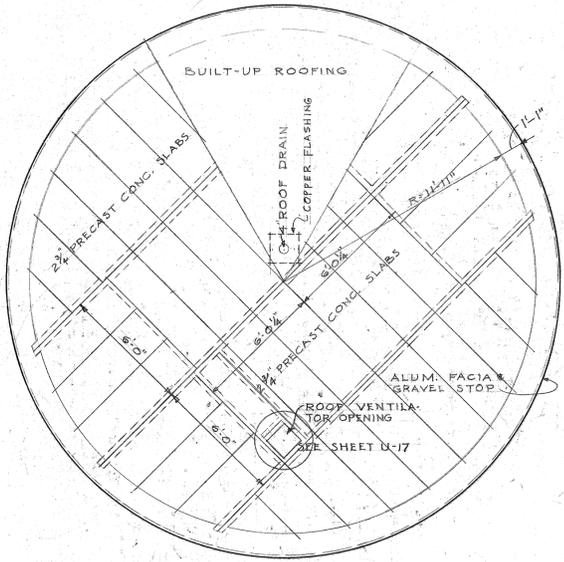
PUMP ROOM FLOOR PLAN  
SCALE 1/4" = 1'-0"



CONTROL ROOM FLOOR PLAN  
SCALE 1/4" = 1'-0"



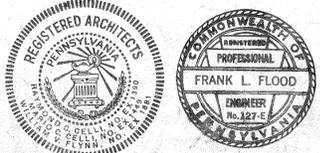
REFLECTED CEILING PLAN  
SCALE 1/4" = 1'-0"



ROOF PLAN  
SCALE 1/4" = 1'-0"

DRAWN BY C.S.JR.  
TRACED BY C.S.JR.  
CHECKED BY CCE

REVISION	DATE	CHECKED BY	DESCRIPTION
1	12/21/54	C.S.JR.	ENTRANCE STAIR CHANGED
		CCE	REVISION MADE BY



APPROVED  
FOR CELLI-FLYNN CONSULTING ARCHITECTS  
*Mr. C. Flynn* 6/11/54 DATE  
REG. ARCH. PA. NO. 1449  
FOR METCALF & EDDY, ENGINEERS  
*Frank L. Flood* 4/17/54 DATE  
REG. PROF. ENGR. PA. NO. 127-E

1819 CORLISS SITE

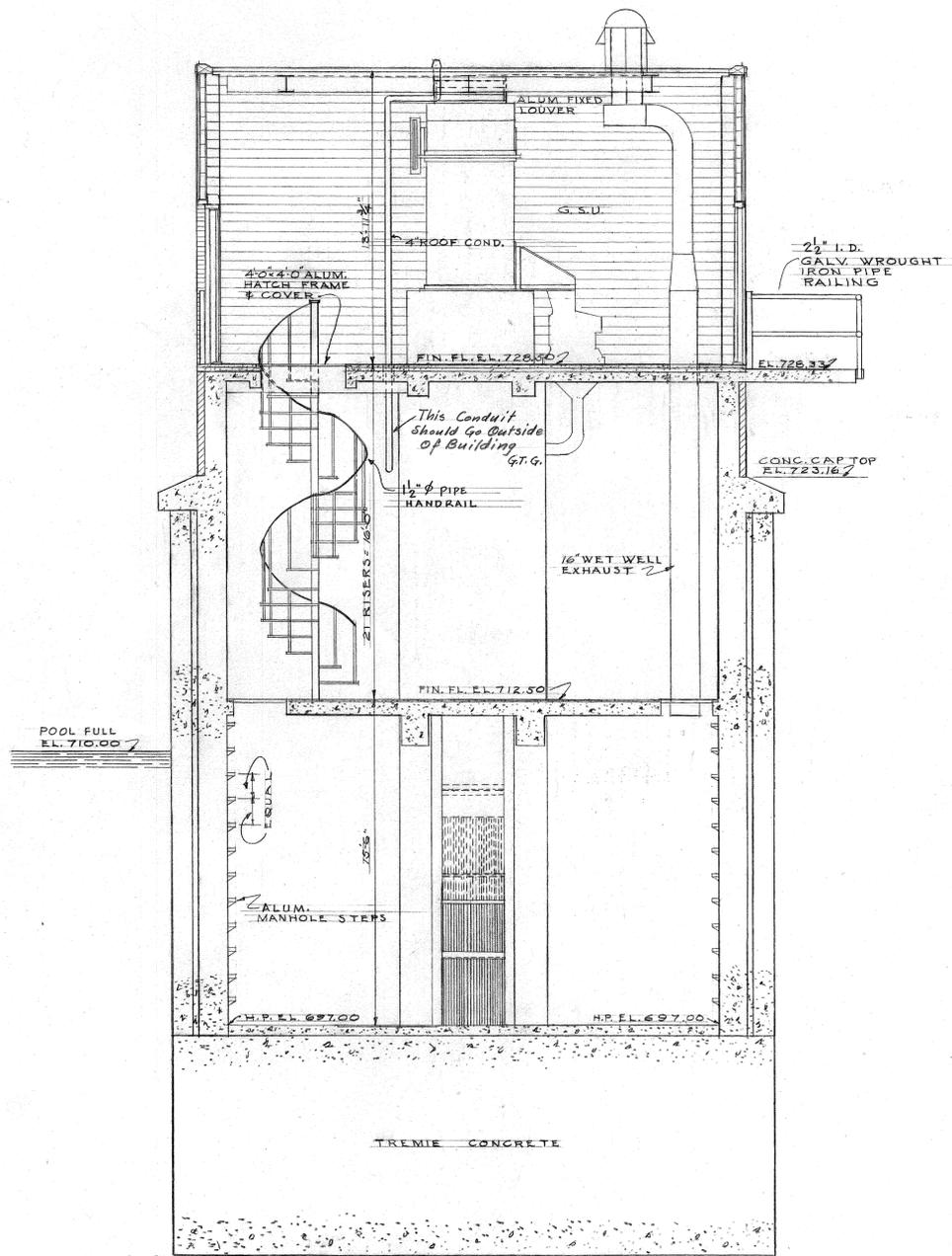
ALLEGHENY COUNTY SANITARY AUTHORITY  
PITTSBURGH, PENNSYLVANIA

INTERCEPTING SEWERS 0-12  
OHIO RIVER  
CORLISS PUMPING STA.  
ARCHITECTURAL  
FLOOR PLANS

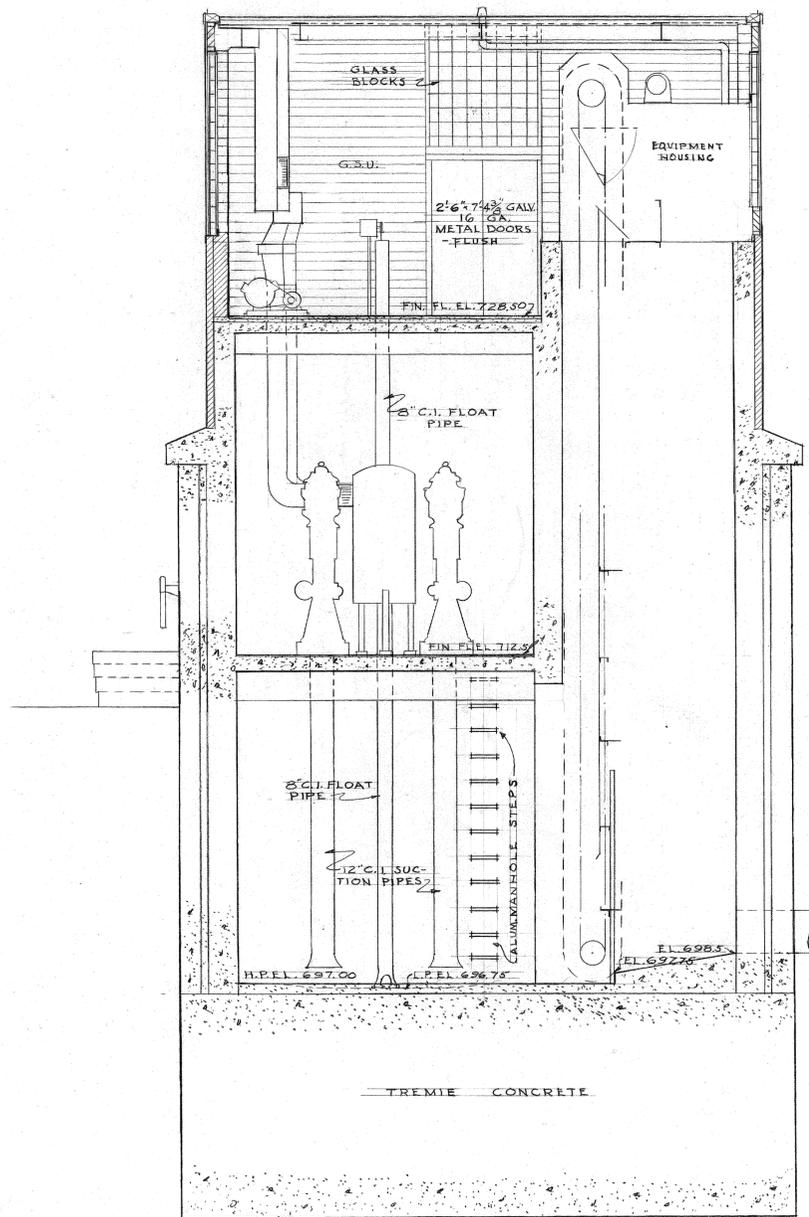
SCALE, 1/4" = 1'-0" APRIL 1954

METCALF & EDDY  
ENGINEERS-BOSTON, MASS.

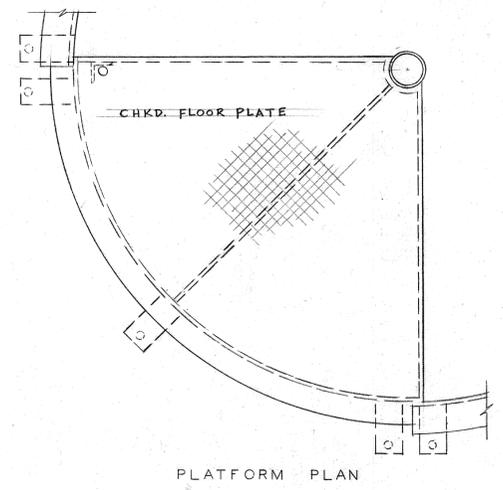
CELLI-FLYNN CONSULTING ARCHITECTS, MCKEESPORT, PA.



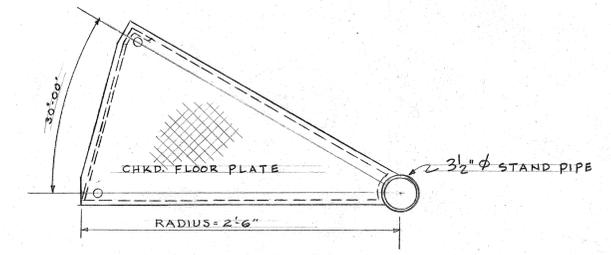
SECTION A-A  
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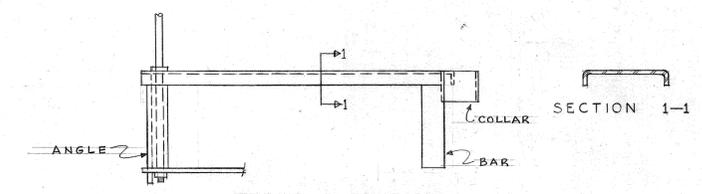
SECTION B-B  
SCALE 1/4" = 1'-0"



PLATFORM PLAN



TREAD PLAN

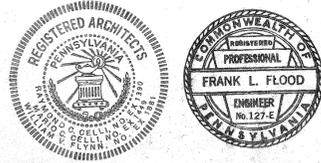


FRONT ELEVATION

SPIRAL STAIR DETAILS  
SCALE 1/2" = 1'-0"

DRAWN BY C.S.Jr.  
TRACED BY C.S.Jr.  
CHECKED BY CCE

1	12/21/54	C.S.Jr.	CCE	ENTRANCE STAIR CHANGED
REVISION	MADE BY	CHECKED BY		DESCRIPTION



APPROVED	
FOR CELLI-FLYNN, CONSULTING ARCHITECTS	6/11/54
<i>M.C. Celli</i>	DATE
REG. ARCH. PA. NO. 1449	
FOR METCALF & EDDY, ENGINEERS	4/27/54
<i>Frank L. Flood</i>	DATE
REG. PROF. ENGR. PA. NO. 127-E	

1819 CORLISS SITE

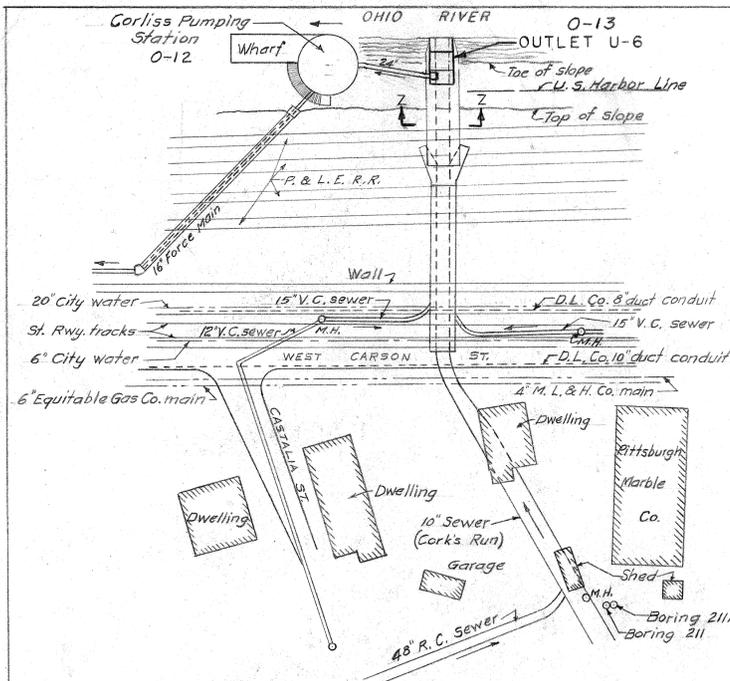
ALLEGHENY COUNTY SANITARY AUTHORITY  
PITTSBURGH, PENNSYLVANIA

INTERCEPTING SEWERS  
OHIO RIVER  
CORLISS PUMPING STA.  
ARCHITECTURAL  
SECTIONS

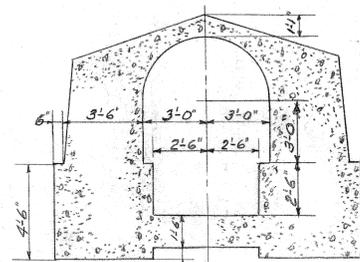
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METCALF & EDDY  
ENGINEERS-BOSTON, MASS.

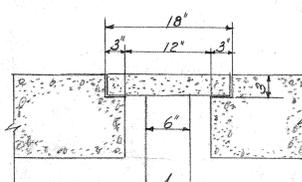
CELLI-FLYNN CONSULTING ARCHITECTS, MC KEESPORT, PA.



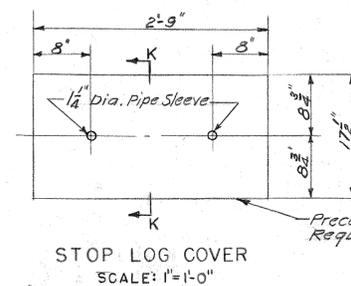
LOCATION PLAN  
SCALE IN FEET



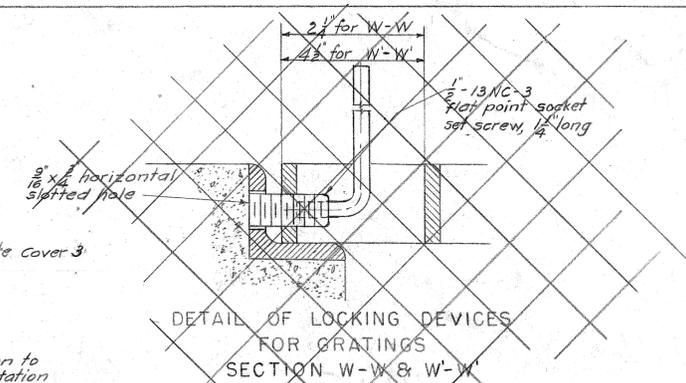
SECTION Z-Z  
SCALE IN FEET



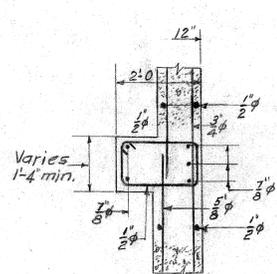
SECTION L-L  
SCALE: 1"=1'-0"



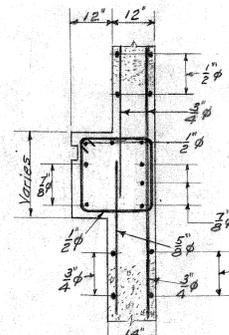
STOP LOG COVER  
SCALE: 1"=1'-0"



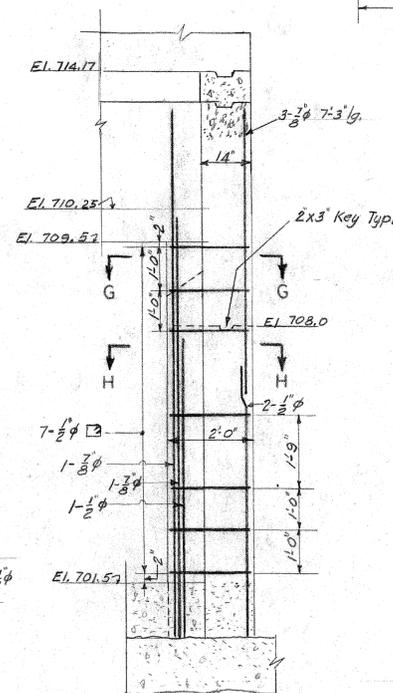
DETAIL OF LOCKING DEVICES FOR GRATINGS  
SECTION W-W & W'-W



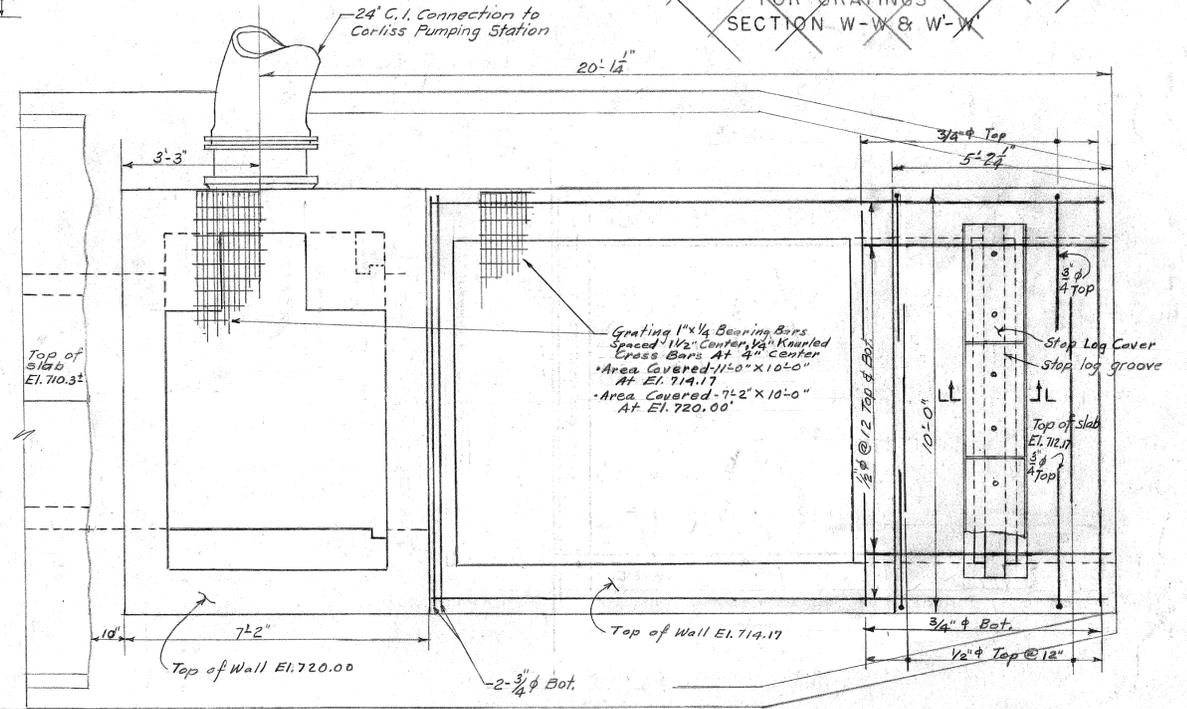
SECTION G-G  
SCALE IN FEET



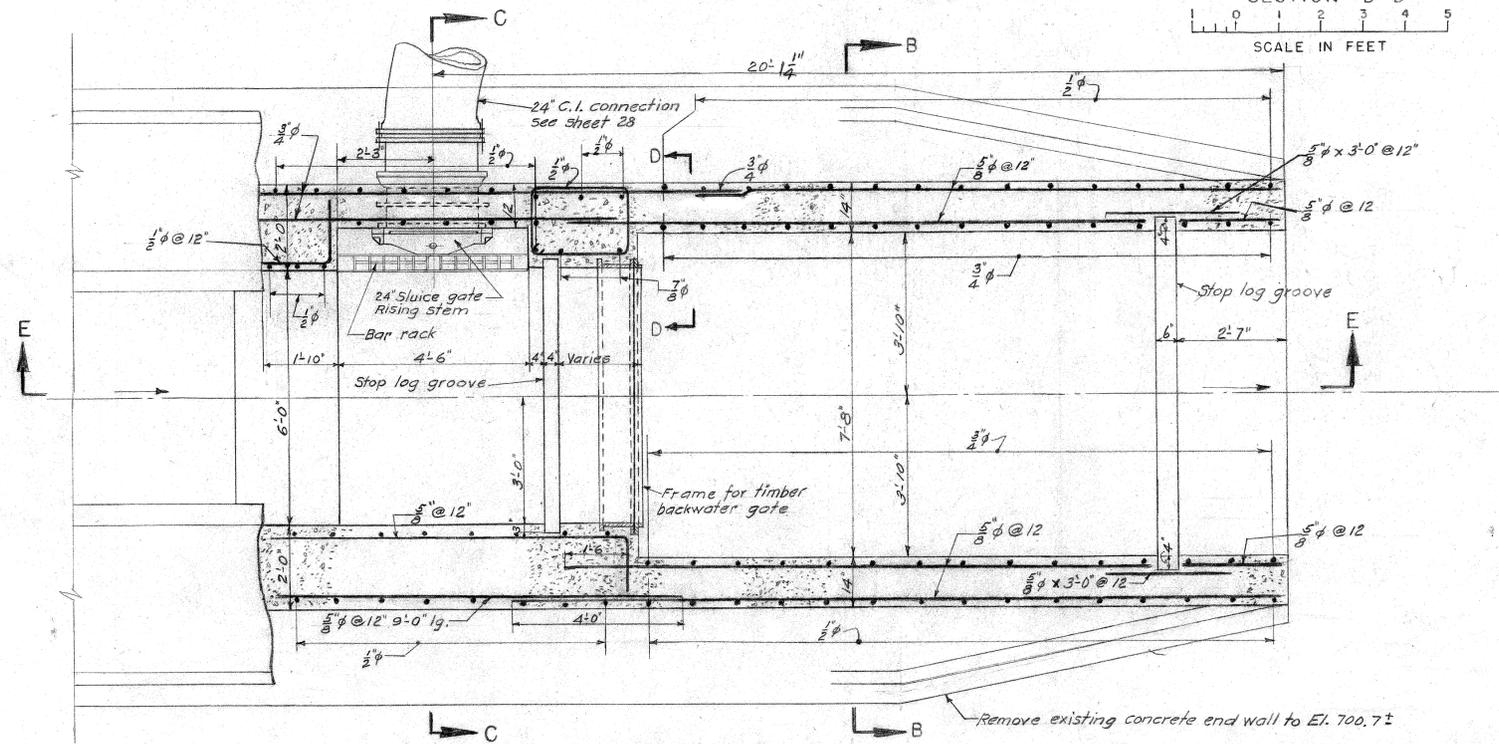
SECTION H-H  
SCALE IN FEET



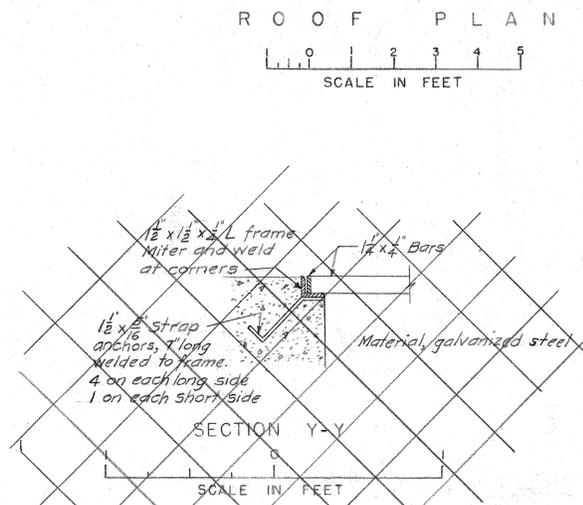
SECTION D-D  
SCALE IN FEET



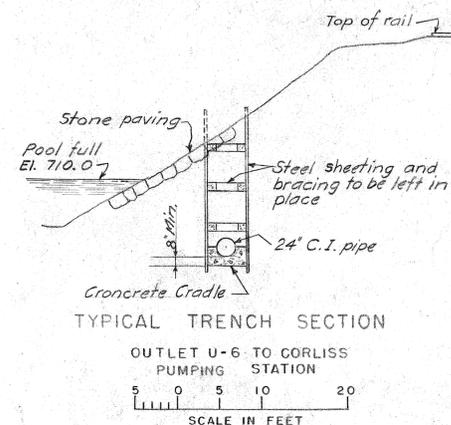
ROOF PLAN  
SCALE IN FEET



PLAN AT ELEV. 706.0  
SCALE IN FEET



SECTION Y-Y  
SCALE IN FEET



TYPICAL TRENCH SECTION  
OUTLET U-6 TO CORLISS PUMPING STATION  
SCALE IN FEET

Notes:  
All concrete to be Class A  
For sections not shown see Part II  
For electrical details see contract 41, sheet U-102

DRAWN BY H.A.K.-F.K.  
TRACED BY  
CHECKED BY

1819 CORLISS SITE

THIS DRAWING SUPERSEDES CONTRACT 28 SHEET 33

REV.	DESCRIPTION	DATE	APP.	APPROVED
1	As Built-1981	8-11-81	J.R.D.	
2				
3				
4				

ALLEGHENY COUNTY SANITARY AUTHORITY  
PITTSBURGH, PENNSYLVANIA

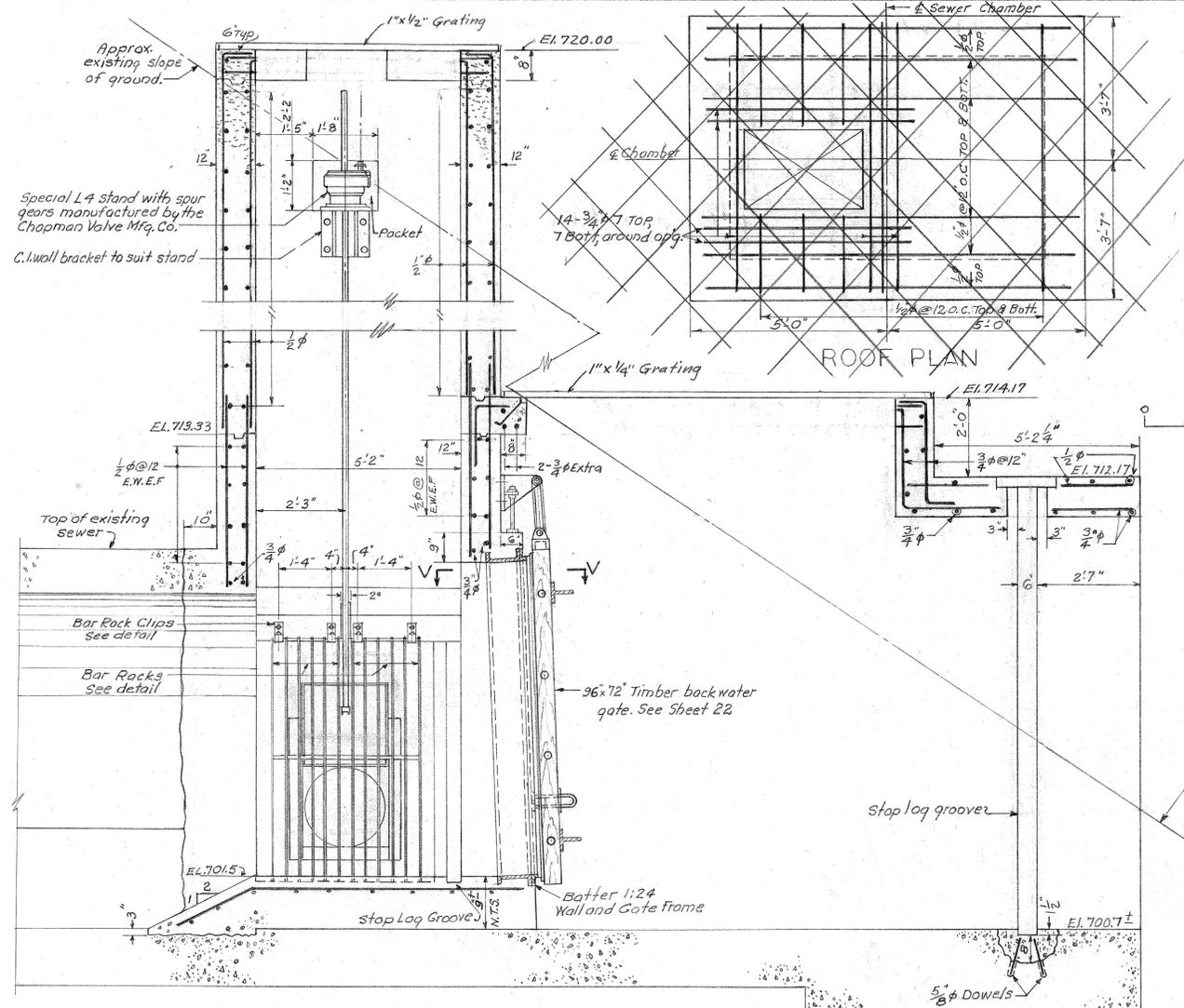
INTERCEPTING SEWERS 0-13

OHIO RIVER  
OUTLET U-6 (CORKS RUN)  
PART I

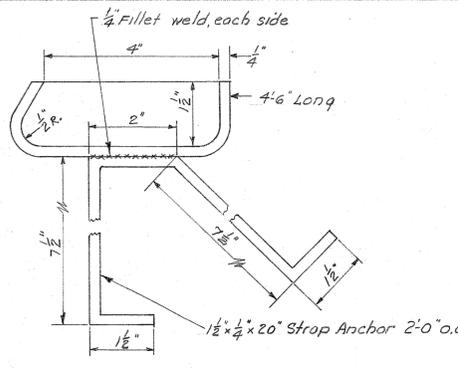
SCALE: AS SHOWN OCTOBER 1958

WORKING DRAWING CONTRACT 28 SHEET 33A OF

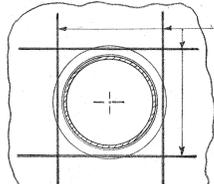




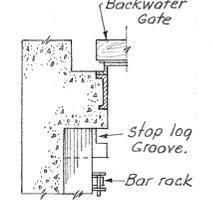
SECTION E-E



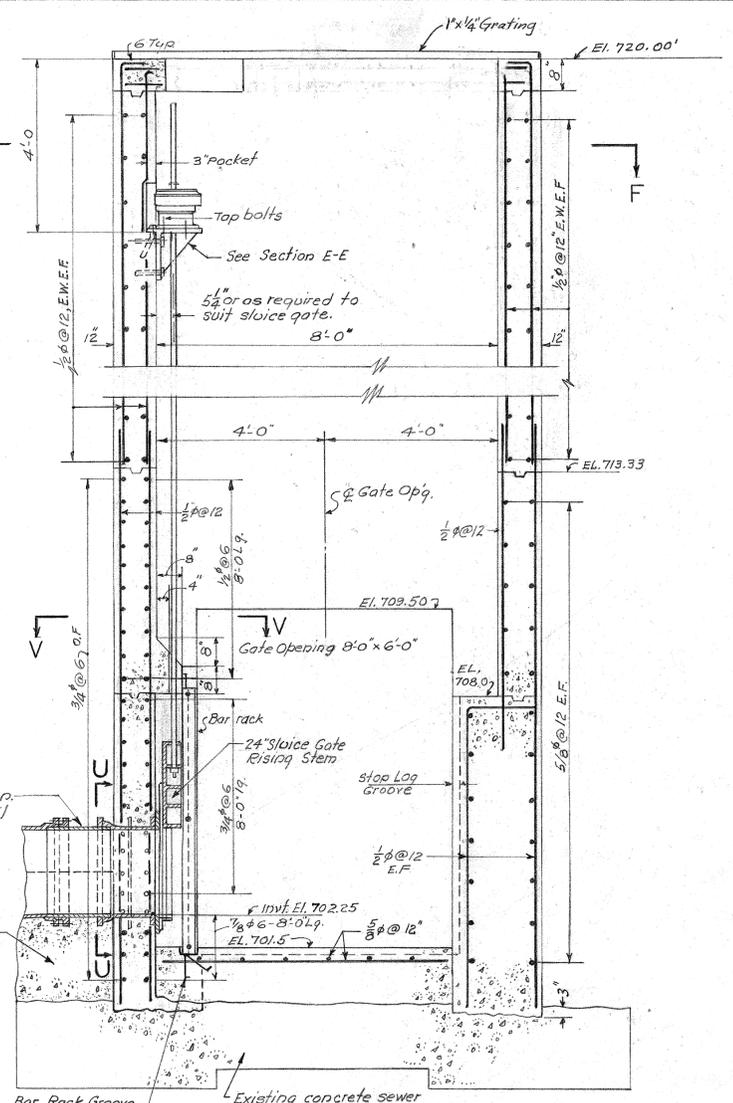
BAR RACK GROOVE  
Material - Everdur



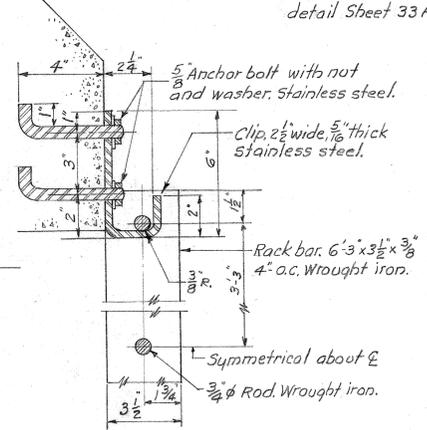
SECTION U-U



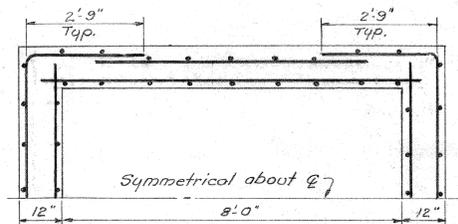
SECTION V-V



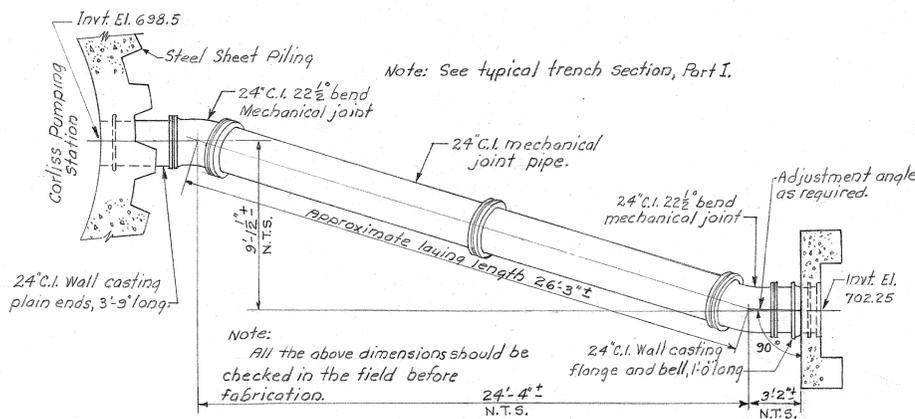
SECTION C-C



BAR RACK AND CLIP DETAIL

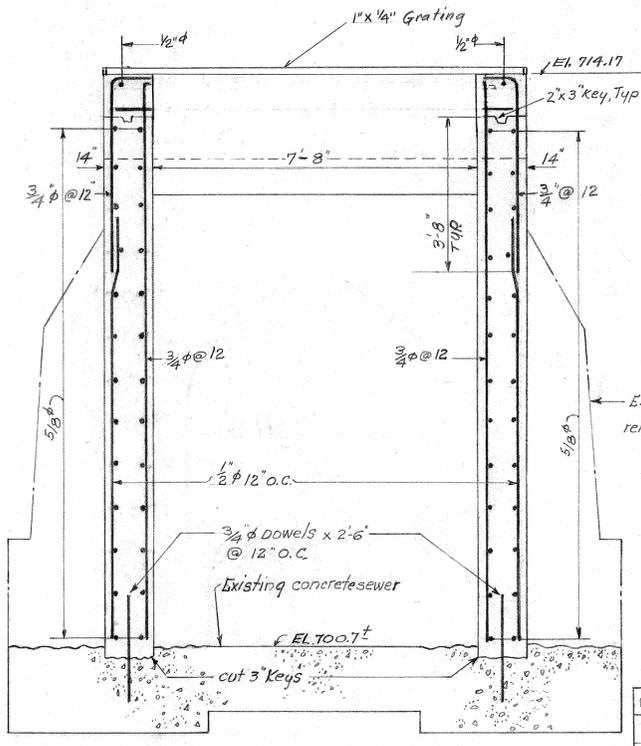


SECTION F-F  
Typical corner reinforcement

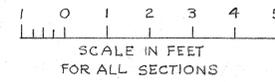


PLAN

DETAIL OF CONNECTION TO CORLISS PUMPING STATION



SECTION B-B



SCALE IN FEET FOR ALL SECTIONS

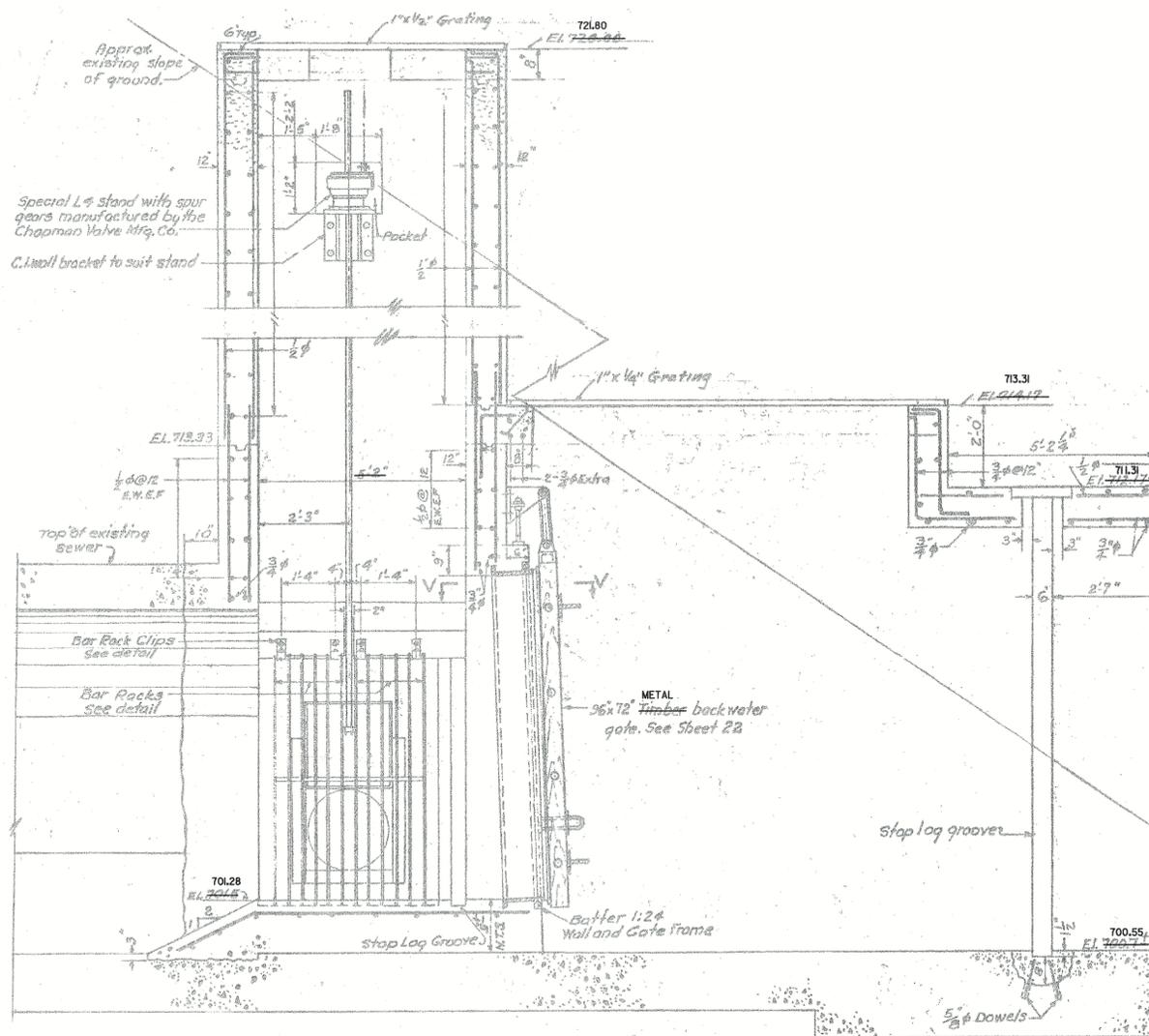
1819 CORLISS SITE

THIS DRAWING SUPERSEDES CONTRACT 28 SHEET 34

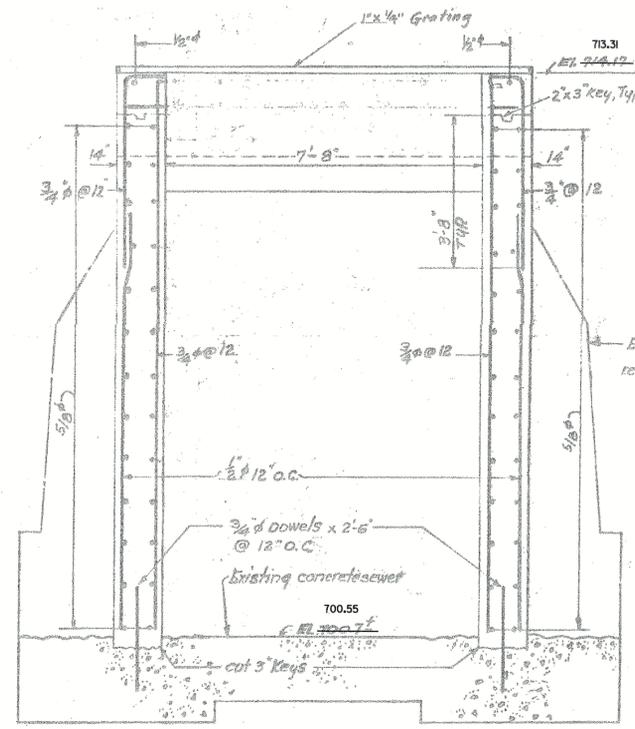
REV.	DESCRIPTION	DATE	APP.	APPROVED
1	As Built - 1981	8-11-81	J.R.D.	
2				
3				
4				

ALLEGHENY COUNTY SANITARY AUTHORITY  
PITTSBURGH, PENNSYLVANIA  
INTERCEPTING SEWERS 0-13  
OHIO RIVER  
OUTLET U-6 (CORK S RUN)  
PART II

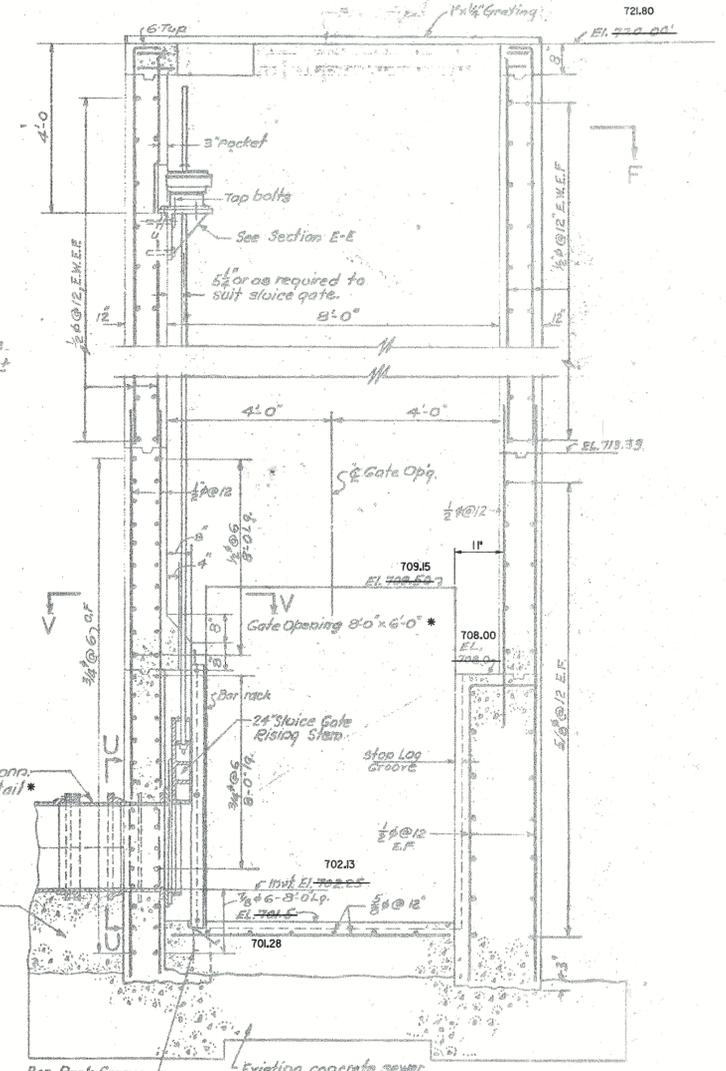
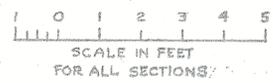
DRAWN BY H.A.K./M.V.R.  
TRACED BY  
CHECKED BY



SECTION E-E

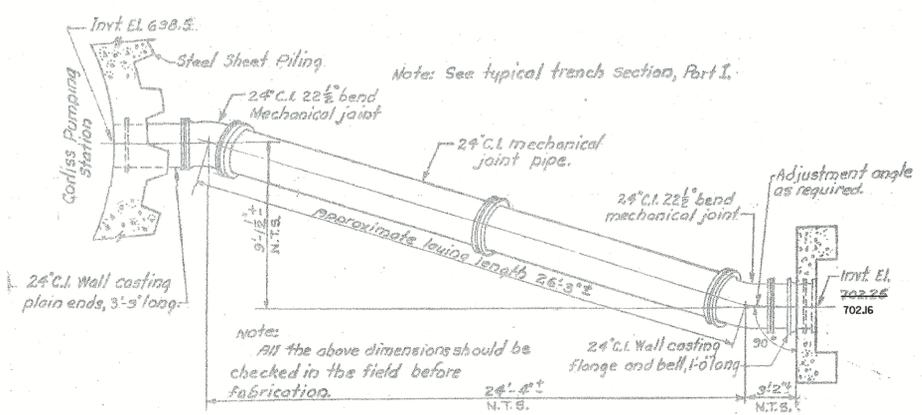


SECTION B-B



SECTION C-C

Note:  
For plan views, see Part I  
All concrete to be Class A.



PLAN

DETAIL OF CONNECTION TO CORLISS PUMPING STATION

FIELD VERIFICATION LEGEND

- 4'-2" EXISTING DIMENSION FIELD VERIFIED, NUMBER DIFFERS FROM ORIGINAL
- 4'-0" EXISTING DIMENSION FIELD VERIFIED, NUMBER MATCHES ORIGINAL
- 4'-0" NEW FIELD VERIFIED DIMENSION
- \* DATA VERIFIED IN FIELD
- ALL OTHER DIMENSIONS ARE FROM ORIGINAL DRAWINGS AND HAVE NOT BEEN VERIFIED

1819 CORLISS SITE

THE SERVICES PROVIDED UNDER THE SUPERVISION OF THE BELOW REGISTERED PROFESSIONAL ENGINEER ARE LIMITED TO THE CHANGES NOTED AND THE VERIFICATION OF THE EXISTING MEASUREMENTS AS INDICATED ON THIS DRAWING DONE IN CONNECTION WITH ALCOSAN'S 2003-2004 INSPECTION PROGRAM.



**Kimball**  
L. Robert Kimball & Associates



REV.	DESCRIPTION	DATE	APP.
5			
4			
3			
△	FINAL SUBMITTAL	7-28-04	D.W.B.
△	RECORD INFORMATION OBTAINED	6-27-03	D.W.B.

ALLEGHENY COUNTY SANITARY AUTHORITY  
WASTEWATER TREATMENT PLANT  
PITTSBURGH, PENNSYLVANIA

INTERCEPTING SEWERS  
**OHIO RIVER CONTRACT 28**  
DIVERSION STRUCTURE 0-13-00 SECTIONS

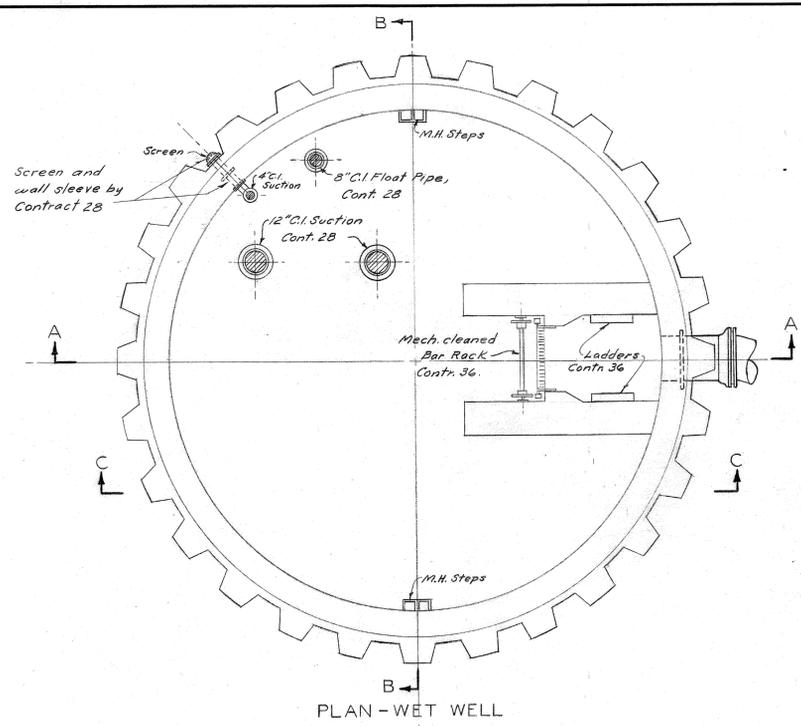
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REFERENCE: CONTRACT 28 SHEET 34A OF 34

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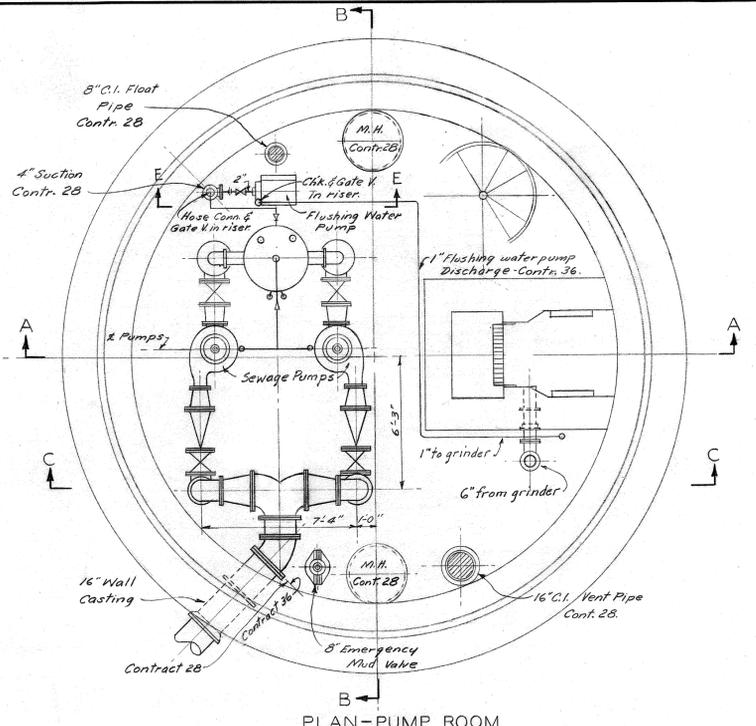
S.A.S./L.R.C.  
REVISOR BY: D.W.B.  
CHECKED BY: J.F.M.  
EXAMINED BY:



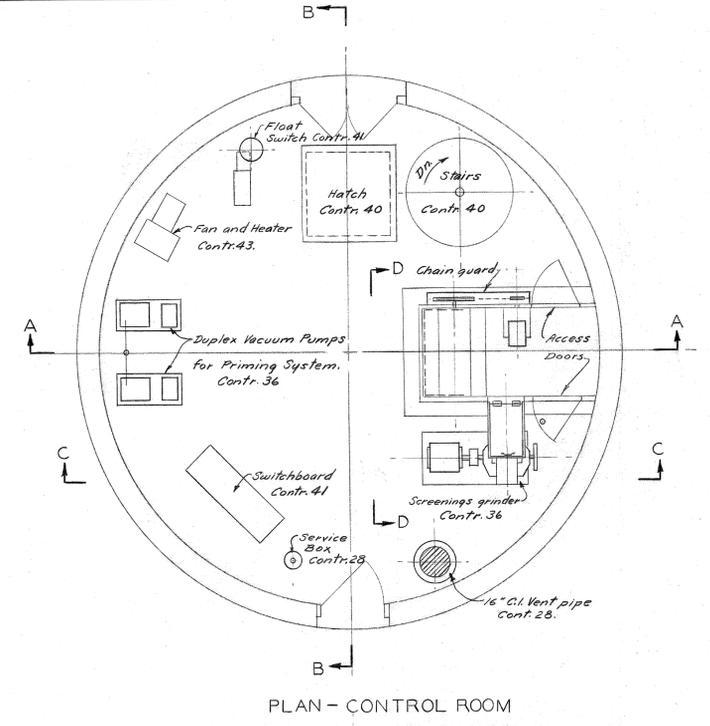
61681  
H  
57745



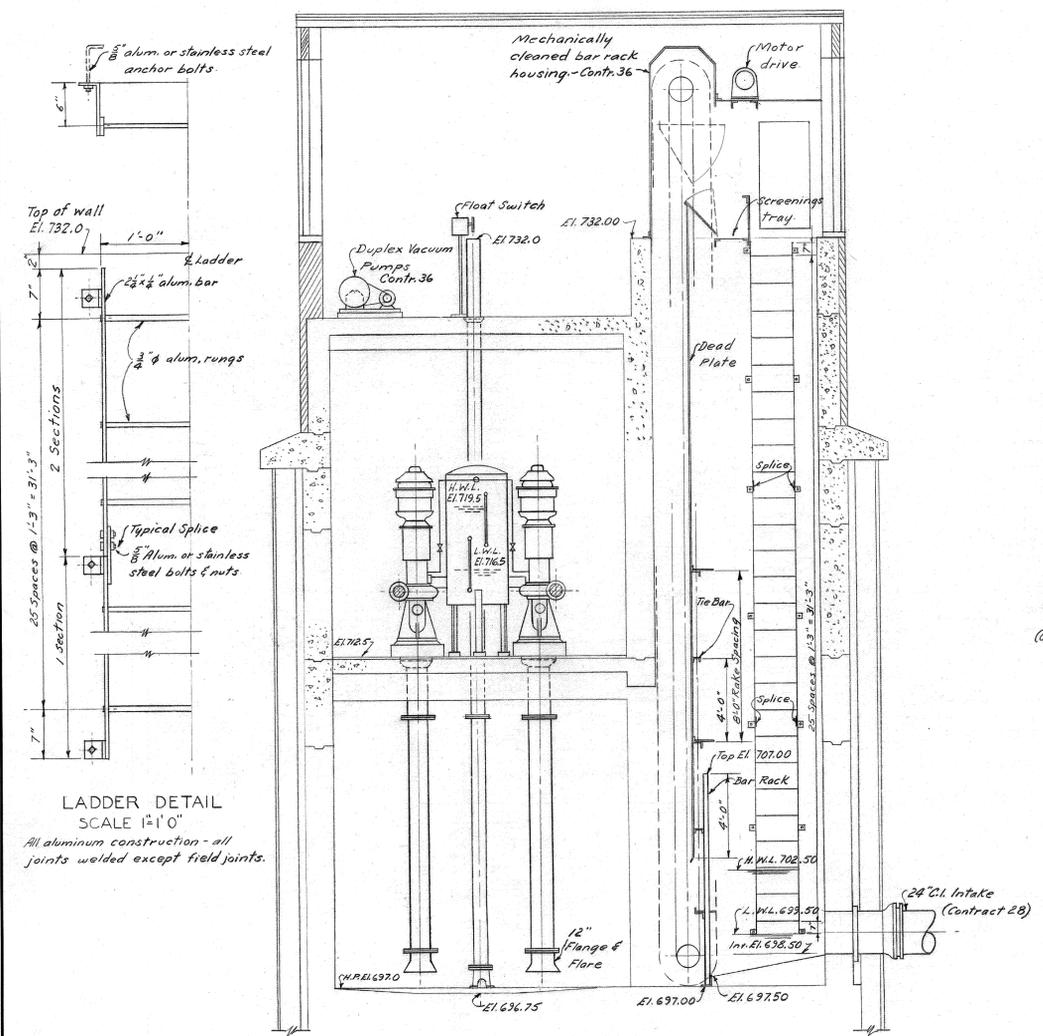
PLAN - WET WELL



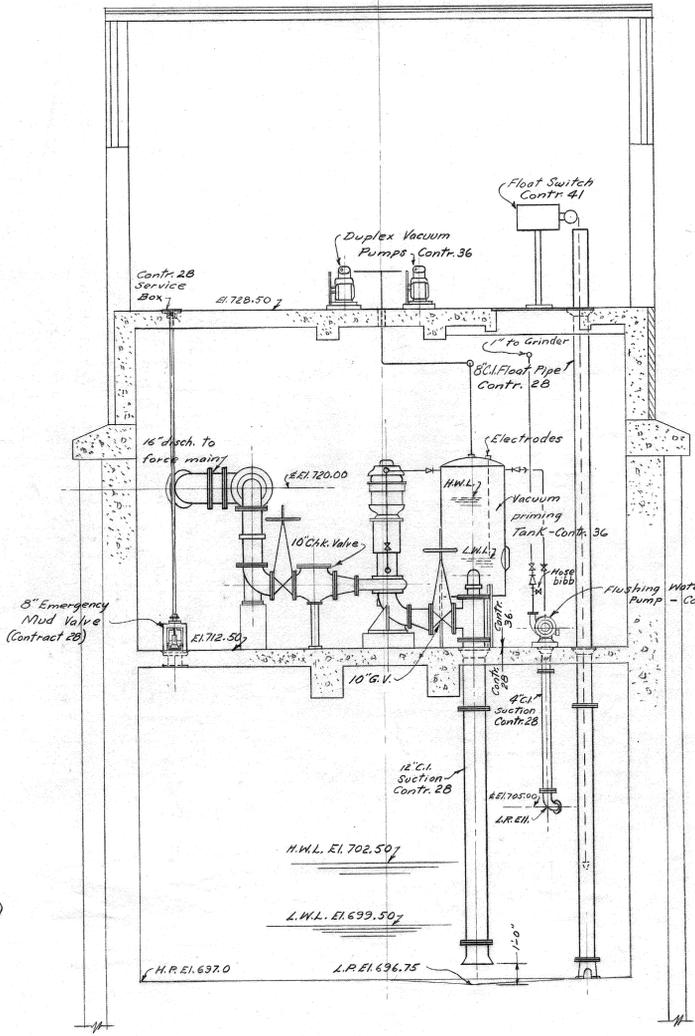
PLAN - PUMP ROOM



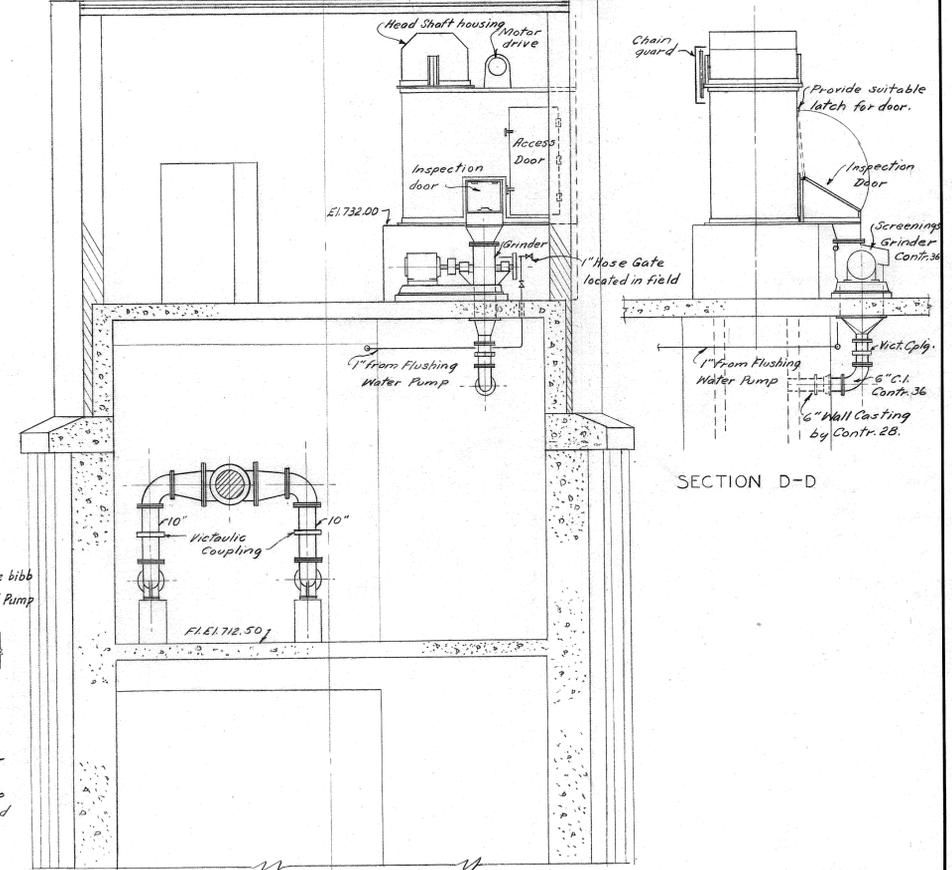
PLAN - CONTROL ROOM



SECTION A-A



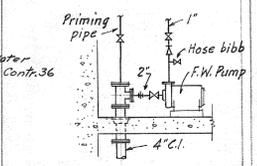
SECTION B-B



SECTION C-C

SECTION D-D

LADDER DETAIL  
SCALE 1/2"=1'-0"  
All aluminum construction - all joints welded except field joints.



SECTION E-E

Note: Suction piping up to El. 712.50 to be installed under Contract 28.  
Float pipe to El. 732.0 to be furnished and installed by Contract 28.

DRAWN BY L.M.L. L.S.  
TRACED BY L.S.  
CHECKED BY H.C.M.



APPROVED  
FOR METCALF & EDDY, ENGINEERS  
*Frank L. Flood*  
REG. PROF. ENGR. PA. NO. 127-E DATE 4/27/54

ALLEGHENY COUNTY SANITARY AUTHORITY  
PITTSBURGH, PENNSYLVANIA

OHIO RIVER INTERCEPTOR  
CORLISS PUMPING STATION

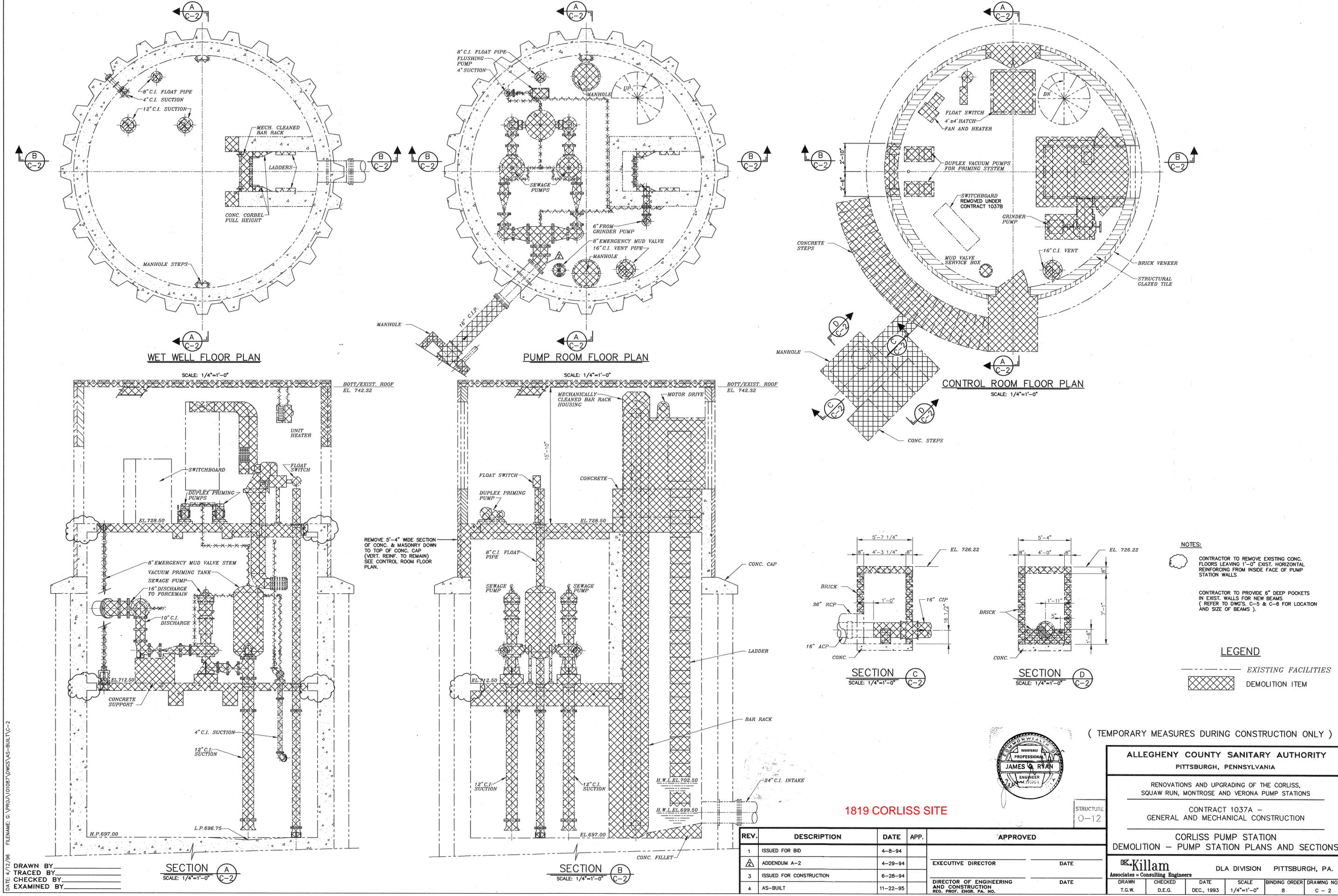
EQUIPMENT AND PIPING

SCALE: 1/4"=1'-0"

MARCH 1954

METCALF & EDDY  
ENGINEERS  
BOSTON, MASS.

27745  
H  
13979



WET WELL FLOOR PLAN

PUMP ROOM FLOOR PLAN

CONTROL ROOM FLOOR PLAN

SECTION A  
SCALE: 1/4"=1'-0"

SECTION B  
SCALE: 1/4"=1'-0"

SECTION C  
SCALE: 1/4"=1'-0"

SECTION D  
SCALE: 1/4"=1'-0"

**NOTES:**

CONTRACTOR TO REMOVE EXISTING CONC. FLOORS LEAVING 1'-0" EXIST. HORIZONTAL REINFORCING FROM INSIDE FACE OF PUMP STATION WALLS

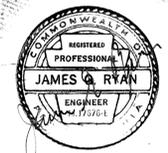
CONTRACTOR TO PROVIDE 6" DEEP POCKETS IN EXIST. WALLS FOR NEW BEAMS (REFER TO DWG'S. C-5 & C-6 FOR LOCATION AND SIZE OF BEAMS).

**LEGEND**

--- EXISTING FACILITIES

--- DEMOLITION ITEM

( TEMPORARY MEASURES DURING CONSTRUCTION ONLY )



1819 CORLISS SITE

STRUCTURE 0-12

ALLEGHENY COUNTY SANITARY AUTHORITY  
PITTSBURGH, PENNSYLVANIA

RENOVATIONS AND UPGRADING OF THE CORLISS, SQUAW RUN, MONTROSE AND VERONA PUMP STATIONS

CONTRACT 1037A -  
GENERAL AND MECHANICAL CONSTRUCTION

CORLISS PUMP STATION  
DEMOLITION - PUMP STATION PLANS AND SECTIONS

DLA DIVISION PITTSBURGH, PA.

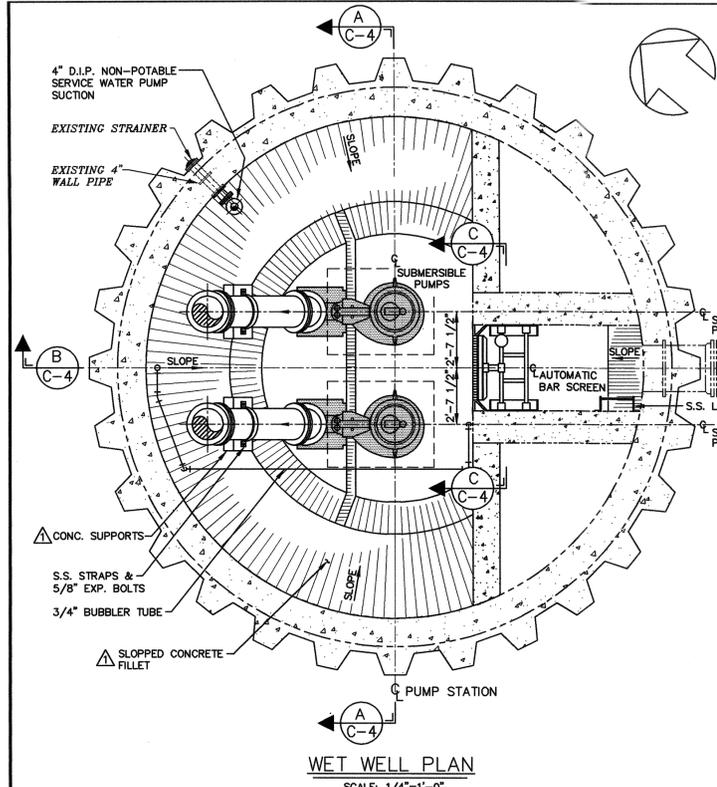
Associates in Consulting Engineers

DRAWN T.G.W. CHECKED D.E.G. DATE DEC., 1993 SCALE 1/4"=1'-0" BINDING ORDER 8 DRAWING NO. C-2

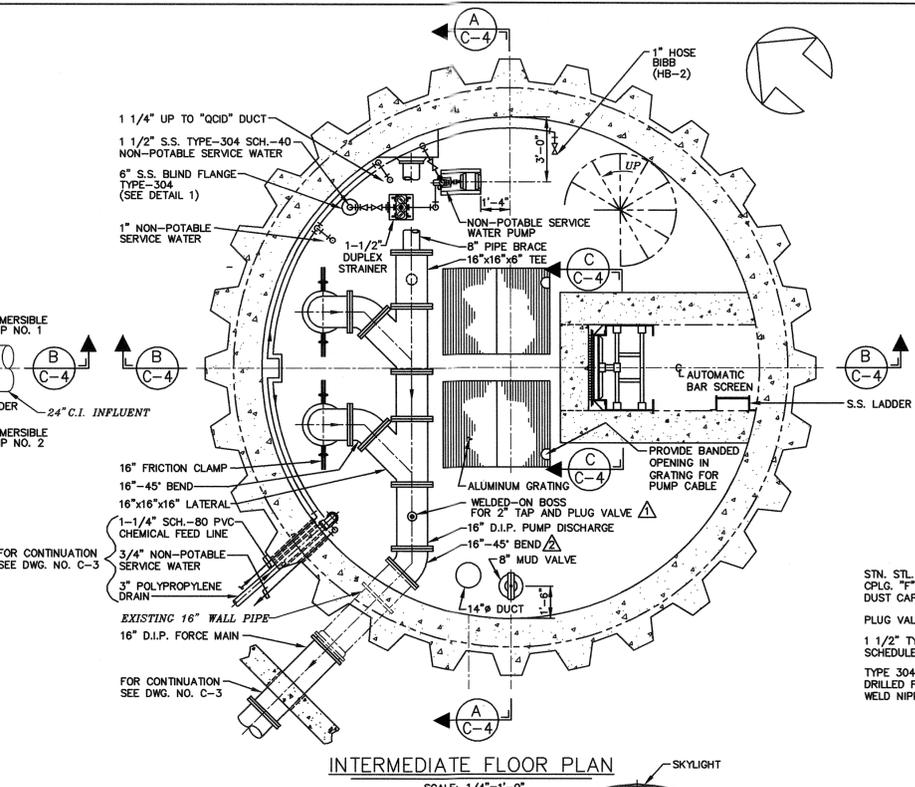
REV.	DESCRIPTION	DATE	APP.	APPROVED
1	ISSUED FOR BID	4-8-94		
2	ADDENDUM A-2	4-29-94		EXECUTIVE DIRECTOR DATE
3	ISSUED FOR CONSTRUCTION	6-28-94		
4	AS-BUILT	11-22-95		DIRECTOR OF ENGINEERING AND CONSTRUCTION DATE REG. PROF. ENGR. PA. NO.

DATE: 4/12/96 FILENAME: G:\PROJ\10187\DWG\SAS-BUILT\C-2

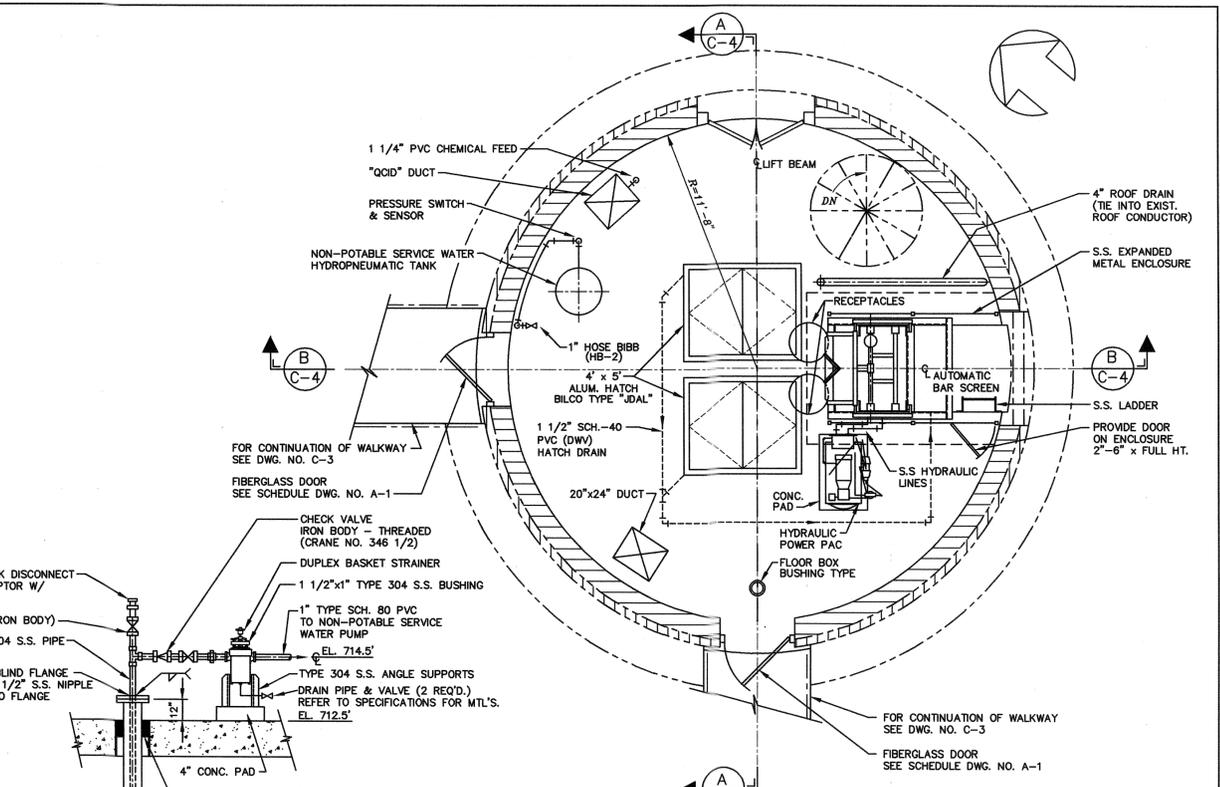
DRAWN BY \_\_\_\_\_  
TRACED BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_  
EXAMINED BY \_\_\_\_\_



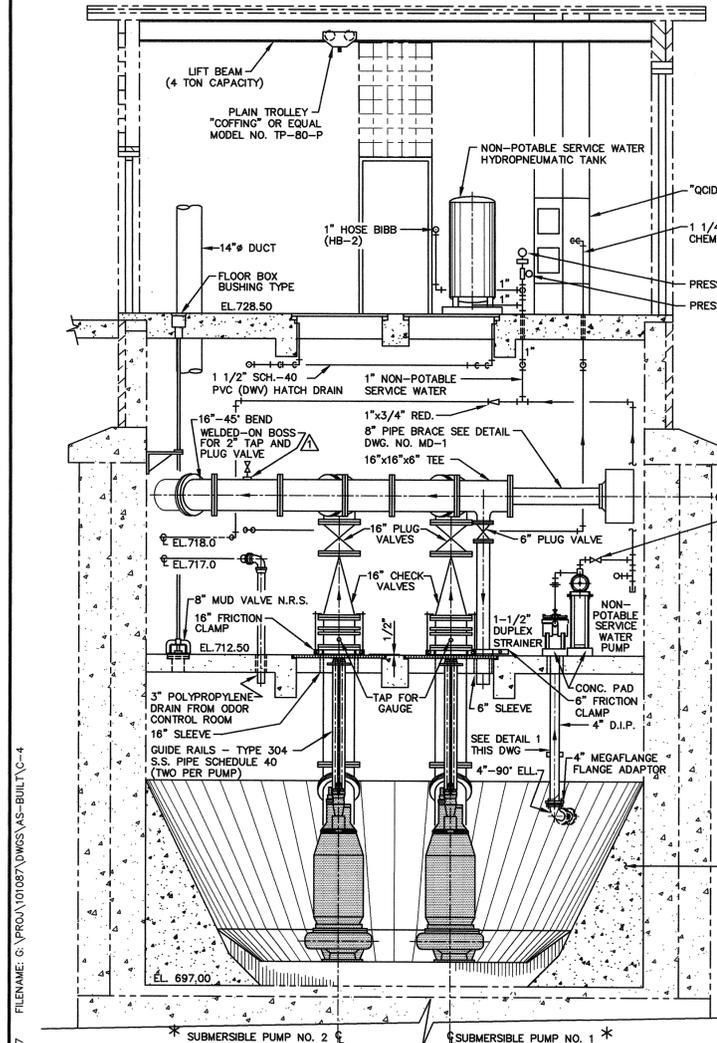
**WET WELL PLAN**  
SCALE: 1/4"=1'-0"



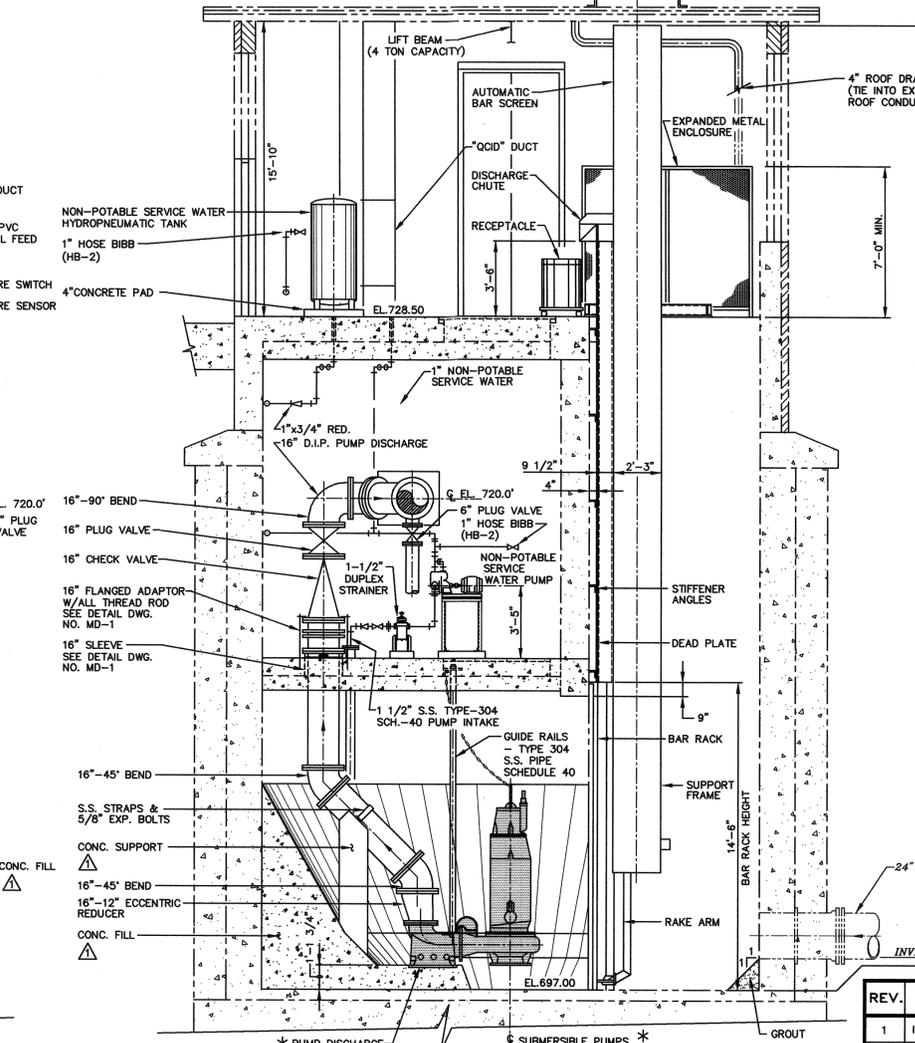
**INTERMEDIATE FLOOR PLAN**  
SCALE: 1/4"=1'-0"



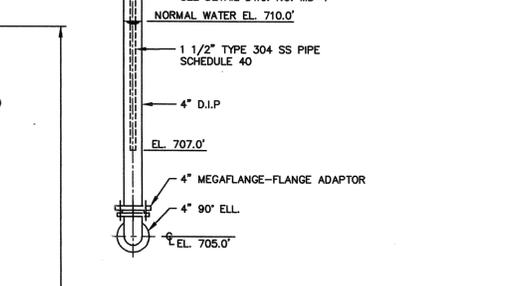
**FIRST FLOOR PLAN**  
SCALE: 1/4"=1'-0"



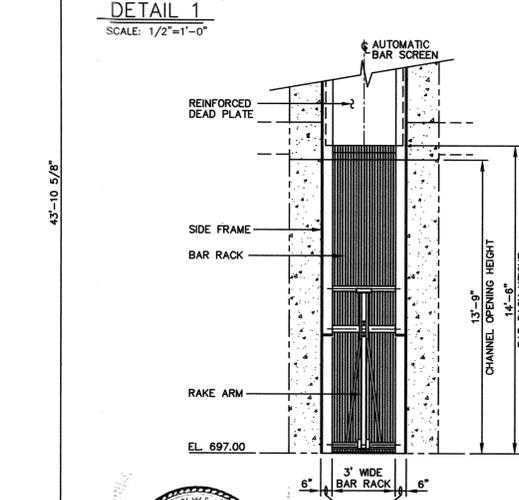
**SECTION A**  
SCALE: 1/4"=1'-0"



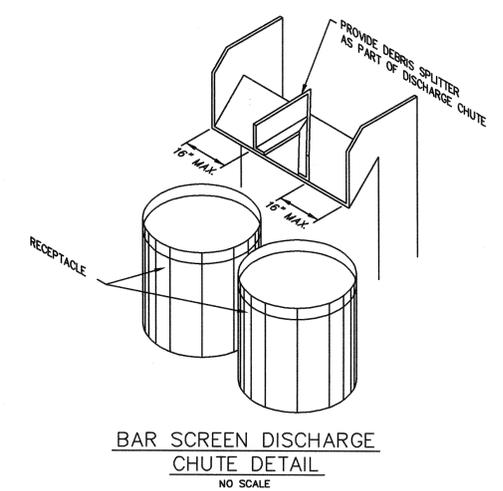
**SECTION B**  
SCALE: 1/4"=1'-0"



**DETAIL 1**  
SCALE: 1/2"=1'-0"

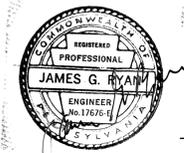


**SECTION C**  
SCALE: 1/4"=1'-0"



**BAR SCREEN DISCHARGE CHUTE DETAIL**  
NO SCALE

- LEGEND**
- EXISTING FACILITIES
  - - - PROPOSED FACILITIES
  - EQUIPMENT FURNISHED BY OWNER



**SECTION C**  
SCALE: 1/4"=1'-0"

**1819 CORLISS SITE**

STRUCTURE  
0-12

REV.	DESCRIPTION	DATE	APP.	APPROVED
1	ISSUED FOR BID	4-8-94		
2	ADDENDUM A-2	4-29-94		EXECUTIVE DIRECTOR
3	ISSUED FOR CONSTRUCTION	6-28-94		
4	AS-BUILT	11-21-95		DIRECTOR OF ENGINEERING AND CONSTRUCTION

**ALLEGHENY COUNTY SANITARY AUTHORITY**  
PITTSBURGH, PENNSYLVANIA

RENOVATIONS AND UPGRADING OF THE CORLISS, SQUAW RUN, MONTROSE AND VERONA PUMP STATIONS

CONTRACT 1037A - GENERAL AND MECHANICAL CONSTRUCTION

**CORLISS PUMP STATION PLANS AND SECTIONS**

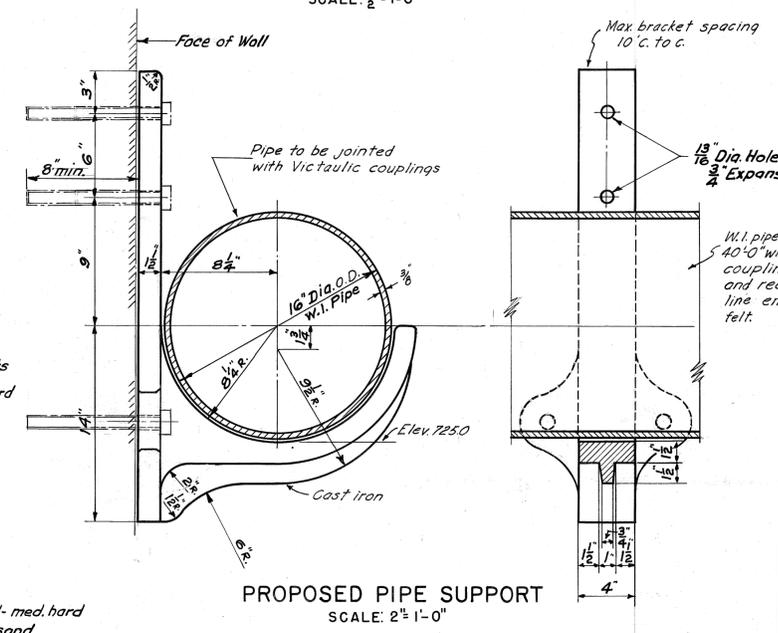
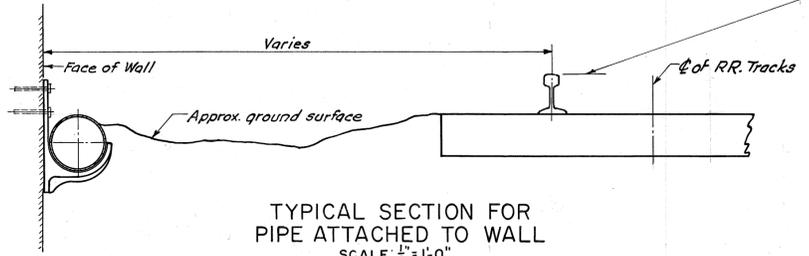
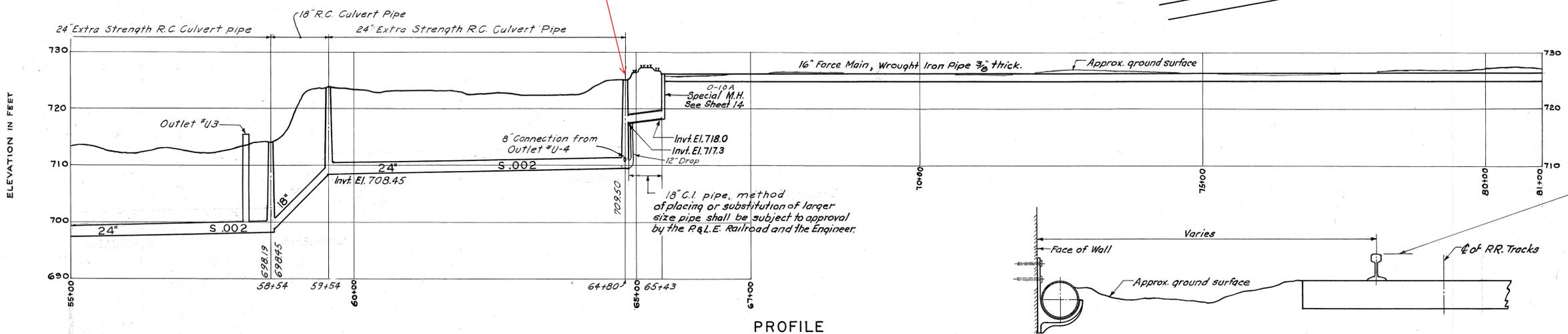
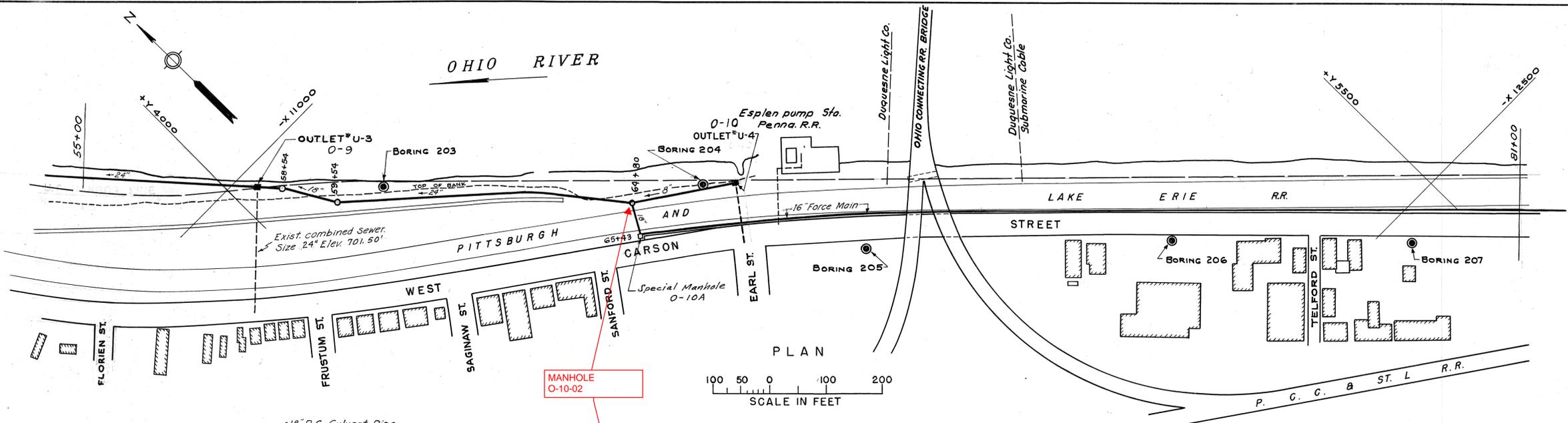
**Killam** Associates a Consulting Engineers  
DLA DIVISION PITTSBURGH, PA.

DRAWN	CHECKED	DATE	SCALE	BINDING ORDER	DRAWING NO.
D.B.M.	D.E.G.	DEC., 1993	AS SHOWN	10	C-4

DATE: 7/7/87  
DRAWN BY  
TRACED BY  
CHECKED BY  
EXAMINED BY

\* SUBMERSIBLE PUMPS AND DISCHARGE ELBOW FURNISHED BY OWNER

SEE 21  
H  
54450



El. 728.49' At Upper End At Corliss Pumping Station. Track Slopes Down Towards Chartiers Creek

Note: The Contractor may offer other pipe support designs for approval.  
The materials and fabrication of the 16" W.I. force main shall conform to Specification D13.2

*203		*204		*205		*206		*207	
C	S	C	S	C	S	C	S	C	S
0.0	380	0.0	380	0.0	380	0.0	380	0.0	385
2.0	713.4	2.0	725.9	2.0	752.4	2.0	742.7	2.0	741
5.0	9 2	2	*	1.8		16	5	5.0	4 2
10.0	9 5	9	*	10.0	17 4	12	11	19	5
15.0	9 2	15.0	22 5	13.2		20	6	13.0	
20.0	18 9	20.0	8 6	17.0		14	6	14.0	
25.0	40 23	25.0	15 7	45	19	35	8	16.0	
		35.0	19 15	34	14	30	9	19.0	
		40.0	76 13	18	18	25	10	21.0	
				44.0	17 5	42.0		54	18
				48.8		46.5	33 16	27.0	
				55.0	17 11	47.5	44 21	28.8	
						50.0		62	10
						52.5		33.0	
								27	8
								38.0	
								48	9
								42.0	
								45.0	
								46.0	

**BORING NOTES**  
Location of boring shown thus: ●  
Location of sounding shown thus: ●  
Column S (sampler) and C (casing) show weight of hammer, size of sampler and casing and number of blows to drive sampler and casing through 1 ft, terminating at the indicated boring depth. Hammer drop = 30 inches.  
For original and complete boring and sounding data, see Penn Drilling Co. records.

DRAWN BY: \_\_\_\_\_  
TRACED BY: M.V.R.  
CHECKED BY: \_\_\_\_\_  
EXAMINED BY: \_\_\_\_\_

† Casing size unknown

1819 CORLISS SITE



ALLEGHENY COUNTY SANITARY AUTHORITY  
PITTSBURGH, PENNSYLVANIA

INTERCEPTING SEWERS  
OHIO RIVER  
PLAN - PROFILE - BORINGS  
STA. 55+00 TO STA. 81+00

SCALE: AS SHOWN SEPTEMBER, 1955

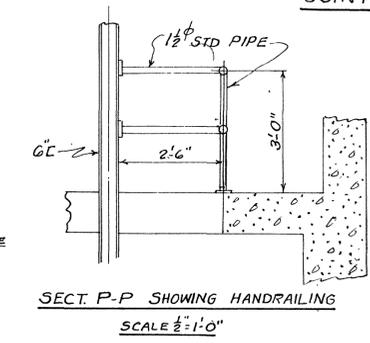
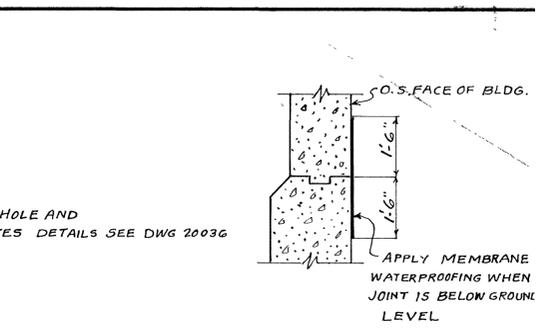
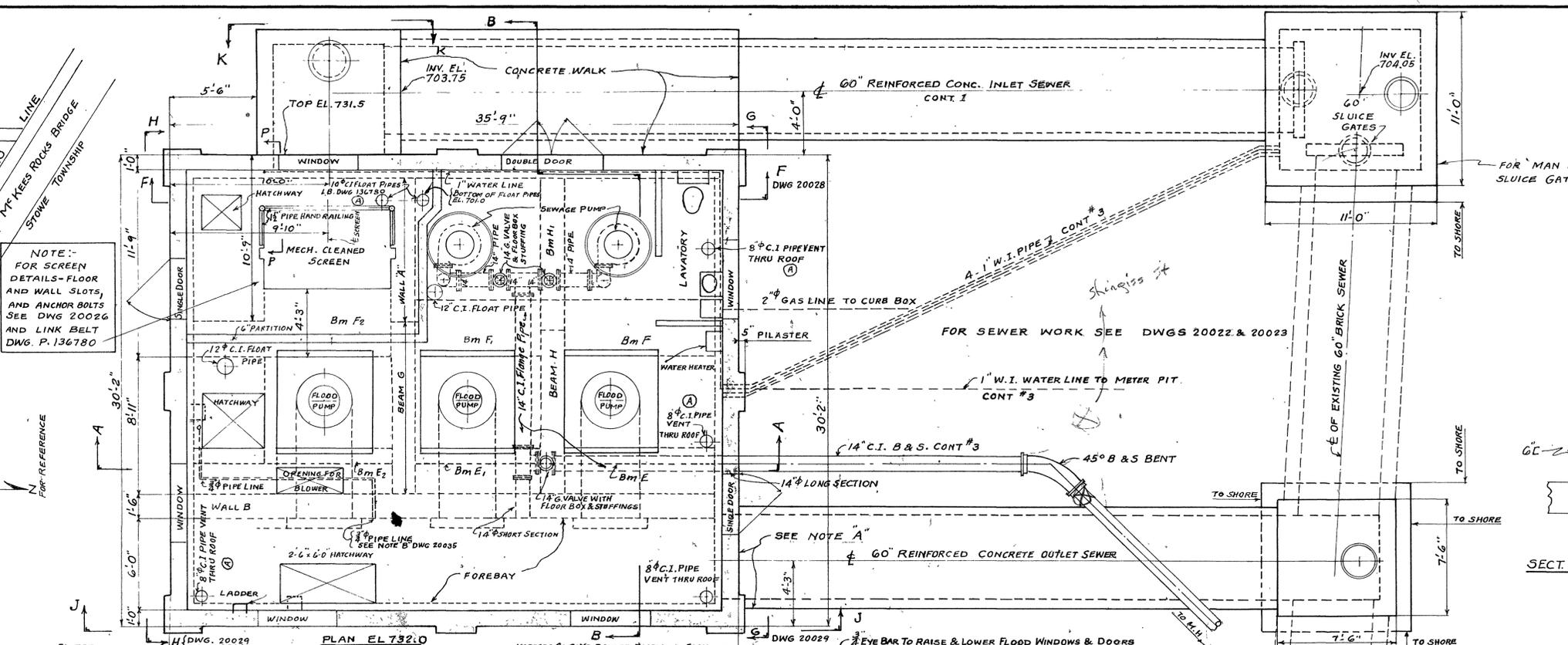
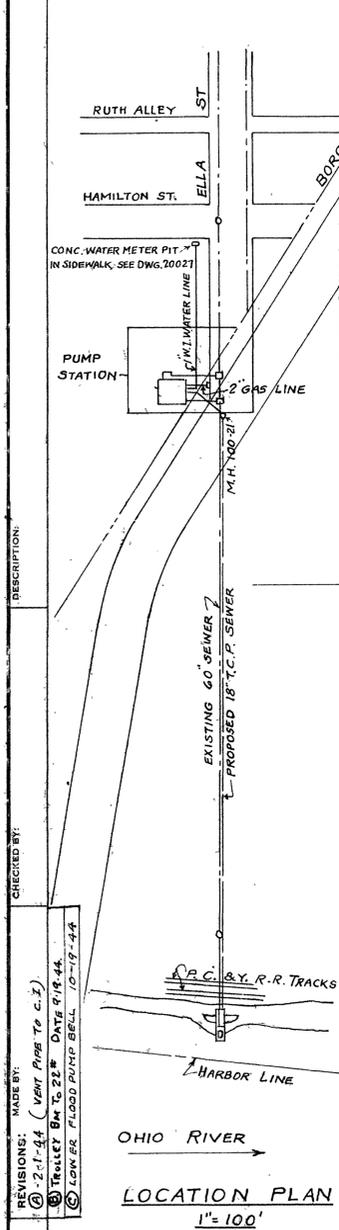
METCALF & EDDY  
ENGINEERS  
BOSTON, MASS.

REV.	DESCRIPTION	DATE	APP.	APPROVED
1	As Built 1981	5-1-81	J.R.D.	Lawrence M. Suttlerman DEPUTY CHIEF ENGINEER REG. PROF. ENGR. PA. NO. 1562-E
2				DATE
3				SEPT. 6, 1955
4				DATE



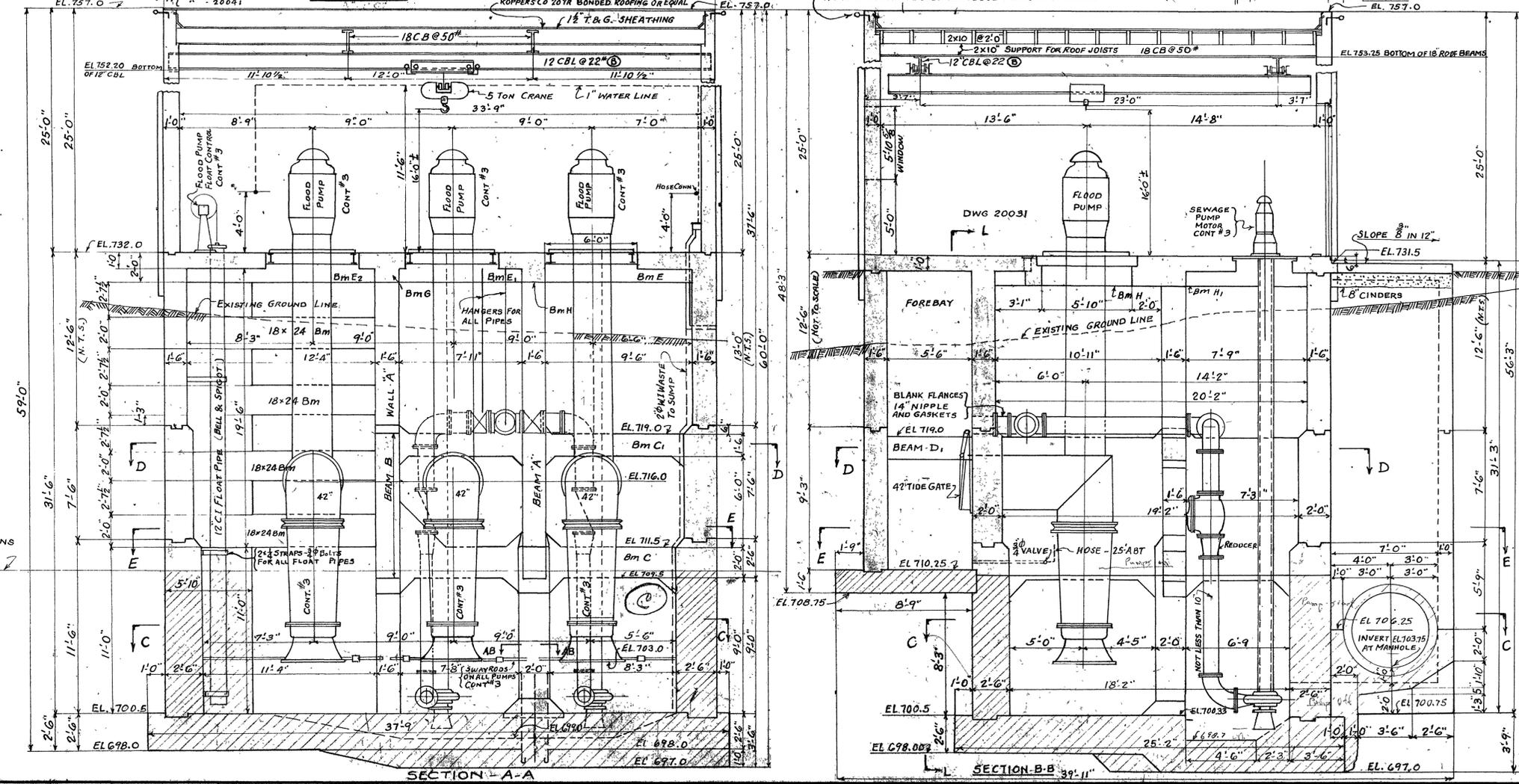
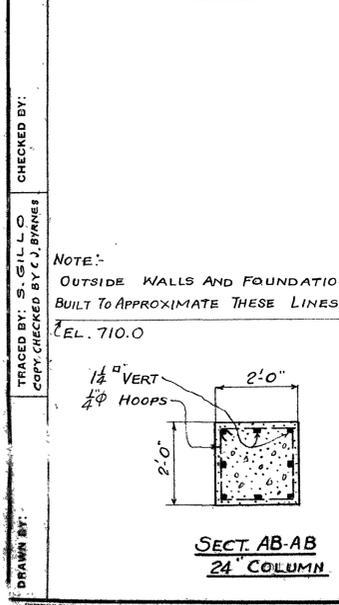






NOTE "A"  
CONTRACTOR FOR CONTRACT #2 SHALL NOT FORM OR BUILD WALL UNTIL CONTRACTOR FOR CONTRACT #1 PLACES THE PART OF THE 60" OUTLET SEWER WHICH OCCUPIES THE PREVIOUSLY FORMED SADDLE IN THE SLAB OR FOREBAY. CONTRACTOR FOR CONTRACT #2 SHALL PROPERLY SEAL JOINT FORMED BY 60" OUTLET SEWER AND WALL IN A MANNER SATISFACTORY TO THE DIRECTOR.

NOTES  
THE CONTRACTOR FOR CONTRACT #3 SHALL FURNISH AND PLACE ALL RODS, TURN BUCKLES AND SUCH OTHER PARTS NECESSARY TO KEEP ALL THE PUMPS IN LINE AND SECURELY FIXED AGAINST VIBRATION.  
THE CONTRACTOR FOR CONTRACT #2 SHALL BEFORE PROCEEDING WITH WALLS AND OTHER PARTS OF THE BUILDING CLEAN AND DEWATER THE PRESENT COFFERDAM SO THAT THE DIRECTOR MAY EXAMINE PARTS OF THE STRUCTURE PREVIOUSLY BUILT. IF THE DEFECTS ARE TO BE REPAIRED WITH CONCRETE AND REINFORCING STEEL, ALL THE WORK NECESSARY TO MAKE SUCH REPAIRS WILL BE PAID FOR UNDER ITEMS 151 AND 138.1 RESPECTIVELY.



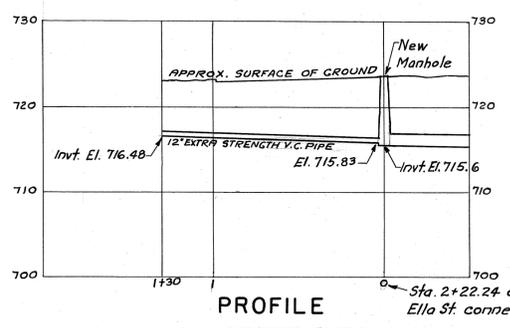
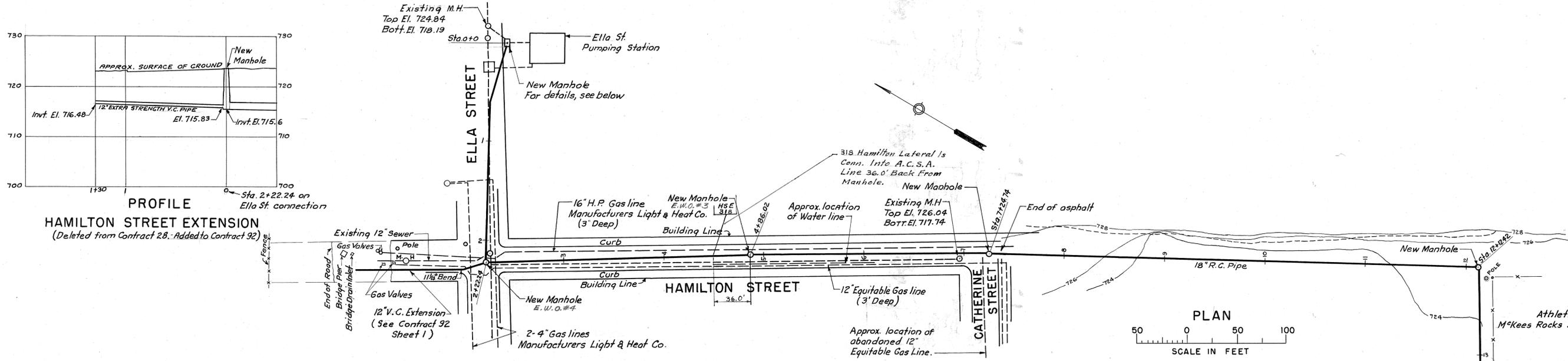
732  
26  
706  
2.5 ft

THIS TRACING SUPERSEDES VELLUM DWG. OF LIKE NUMBER

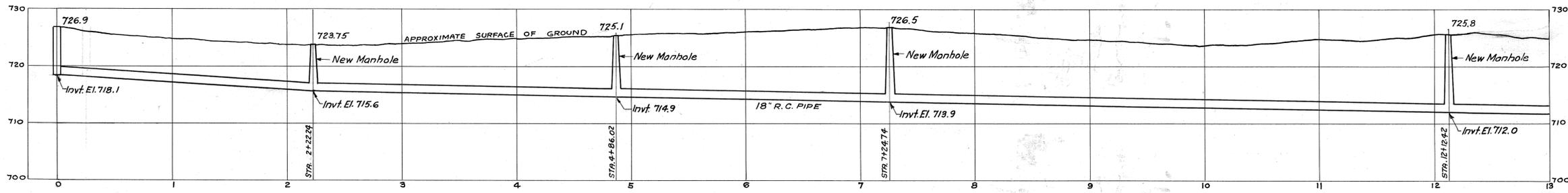
1819 ELLA SITE  
CONTRACT II & III  
COUNTY OF ALLEGHENY  
PITTSBURGH, PENNSYLVANIA  
COUNTY DEPARTMENT OF WORKS  
BUREAU OF DESIGN

**ELLA STREET SEWER PROJECT  
AND PUMPING STATION  
BOROUGH OF MCKEES ROCKS  
GENERAL PLAN & SECTIONS**

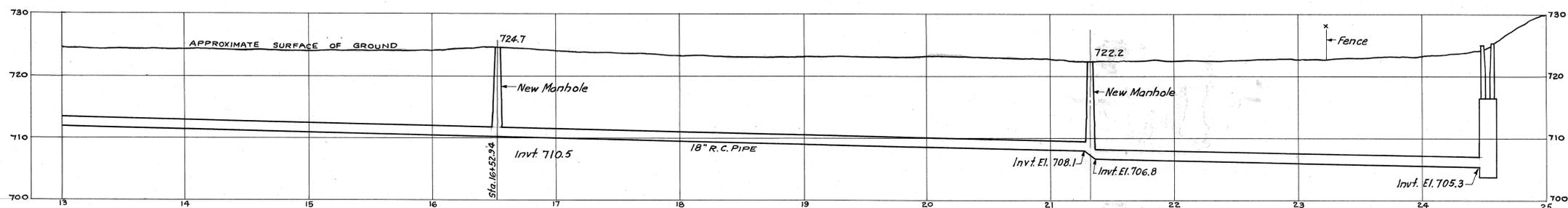
SCALE: 3/4"=1'-0" UNLESS NOTED  
DATE: SHEET OF **20024**



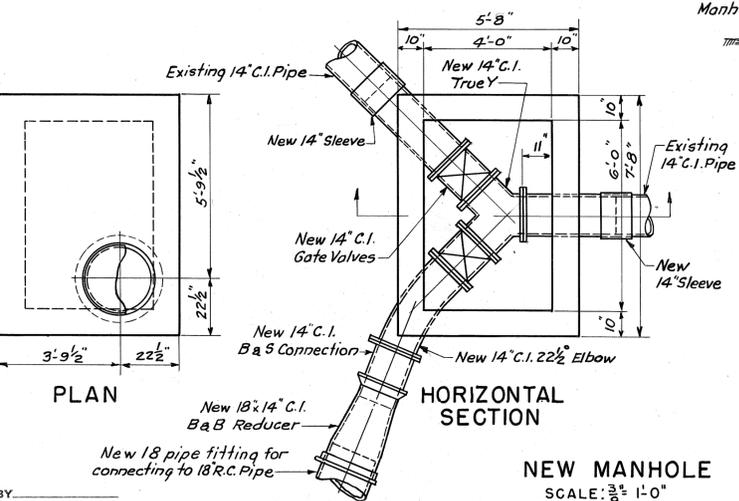
PROFILE  
HAMILTON STREET EXTENSION  
(Deleted from Contract 28. Added to Contract 92)



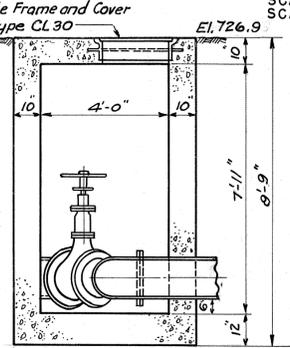
PROFILE  
SCALE: HORIZONTAL 1"=50'-0"  
SCALE: VERTICAL 1"=10'-0"



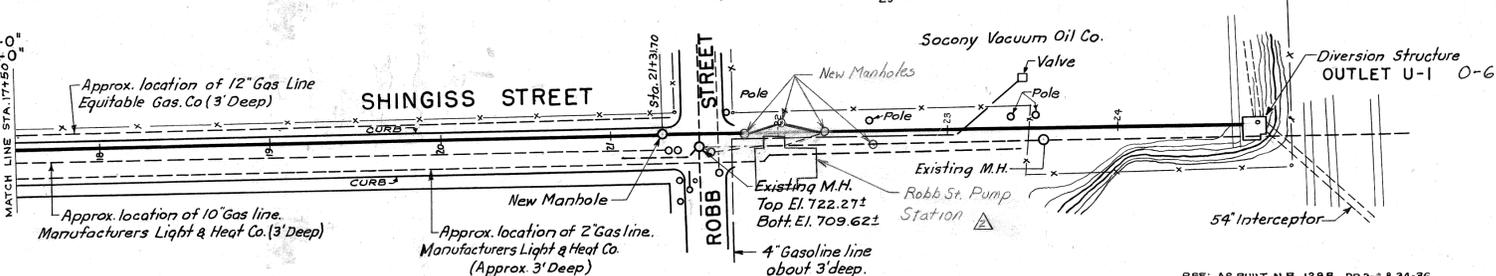
PROFILE  
SCALE: HORIZONTAL 1"=50'-0"  
SCALE: VERTICAL 1"=10'-0"



NEW MANHOLE  
SCALE: 3/8"=1'-0"



SECTION A-A



THIS DRAWING SUPERSEDES SHEET 9

1819 ELLA SITE

REV.	DESCRIPTION	DATE	APP.	APPROVED
1	As Built 1981	5-1-81	J.R.D.	
2	Robb St. Pump Station	5-20-91	K.M.B.	
3				
4				

ALLEGHENY COUNTY SANITARY AUTHORITY  
PITTSBURGH, PENNSYLVANIA

INTERCEPTING SEWERS  
OHIO RIVER  
CONNECTION FROM  
ELLA STREET PUMPING STATION  
TO OUTLET U-1

SCALE: AS SHOWN

1963

DRAWN BY \_\_\_\_\_  
TRACED BY M.V.R.  
CHECKED BY \_\_\_\_\_  
EXAMINED BY \_\_\_\_\_