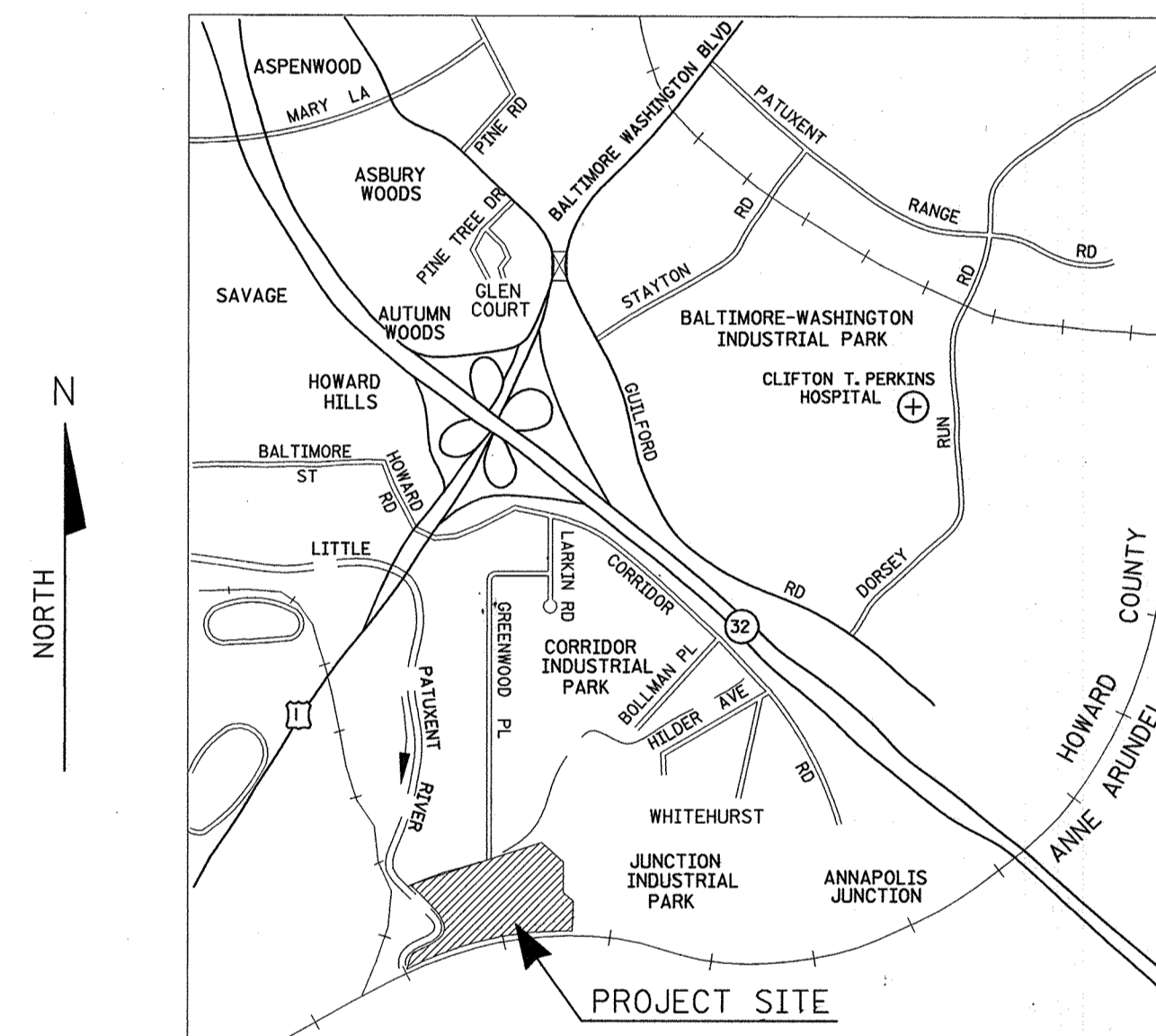


# HOWARD COUNTY, MARYLAND LITTLE PATUXENT WATER RECLAMATION PLANT

## STRUCTURAL IMPROVEMENTS CAPITAL PROJECT NO. S-6223 CONTRACT NO. 20-3843



VICINITY MAP

SCALE IN FEET 0 1000 2000 4000 6000  
SCALE: 1" = 2000'

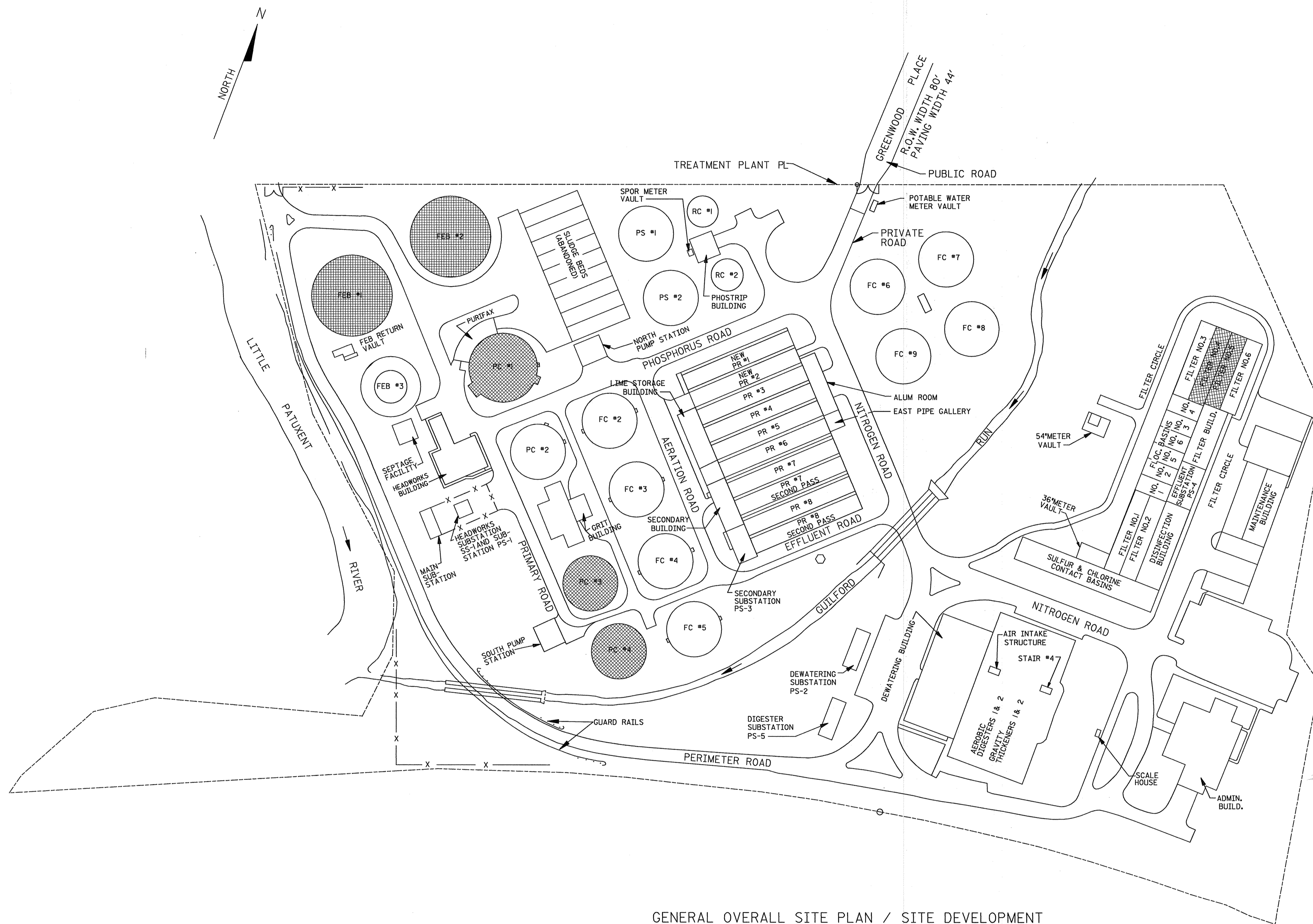
DRAWING NUMBER	SHEET NUMBER	DRAWING TITLE
T-1	1 OF 14	TITLE PAGE
SI-1	2 OF 14	OVERALL PLAN
S-1	3 OF 14	FEB-2 WALKWAY REPAIRS PLAN, SECTIONS AND DETAILS
S-2	4 OF 14	FEB-2 WALKWAY REPAIRS SECTIONS AND DETAILS
S-3	5 OF 14	FLOW EQUALIZATION BASIN No. 1
S-4	6 OF 14	FLOW EQUALIZATION BASIN No. 2
S-5	7 OF 14	FEB-1 AND FEB-2 PHOTOGRAPHS
S-6	8 OF 14	PRIMARY CLARIFIER No. 1 PLANS AND DETAILS
S-7	9 OF 14	PRIMARY CLARIFIER No. 3 & No. 4 PLANS AND DETAILS
S-8	10 OF 14	PC-1 AND PC-4 PHOTOGRAPHS
S-9	11 OF 14	PC-3 PHOTOGRAPHS
S-10	12 OF 14	PC-3 PHOTOGRAPHS
S-11	13 OF 14	SAND FILTERS NO. 4 AND NO. 5 PLAN, SECTION AND DETAILS
S-12	14 OF 14	SAND FILTERS NO. 4 AND NO. 5 PHOTOGRAPHS

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*[Signature]* 7/6/00 DATE  
DIRECTOR OF PUBLIC WORKS  
*[Signature]* 7/7/00 DATE  
CHIEF, BUREAU OF ENGINEERS  
*[Signature]* 7-6-00 DATE  
CHIEF, BUREAU OF UTILITIES

**BUCHART  
HORN, INC.**  
3000 CHESTNUT AVENUE  
SUITE 400  
BALTIMORE, MD 21211  
Engineers, Architects and Planners





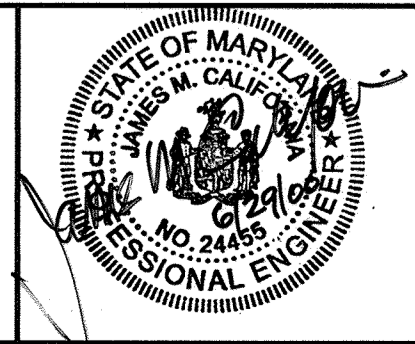
**LEGEND:**  
 - INDICATES AREA OF NEW WORK.

- GENERAL NOTES:**
1. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING SERVICES, PIPELINES, UTILITIES AND EQUIPMENTS, ANY DAMAGE TO THEM DUE TO HIS NEGLIGENCE SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE COUNTY AT THE CONTRACTOR'S EXPENSE.
  2. CONTRACTOR SHALL NOT OPERATE ANY VALVES OR HYDRANTS WITHOUT PLANT PERSONNEL'S PERMISSION.
  3. DAMAGE TO PAVED ROADWAYS, SIDEWALKS, AND CURBS THAT IS ATTRIBUTABLE TO THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED OR REPAIRED IN KIND BY THE CONTRACTOR AT HIS OWN EXPENSE.
  4. INFORMATION SHOWN FOR THE EXISTING STRUCTURES ON THESE DRAWINGS IS TAKEN FROM PREVIOUS CONTRACTS' DRAWINGS PROVIDED BY THE COUNTY.

**GENERAL OVERALL SITE PLAN / SITE DEVELOPMENT**  
 SCALE IN FEET 0 50 100 200 300  
 SCALE: 1" = 100'

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 Robert W. Bevington  
 CHIEF, BUREAU OF UTILITIES  
 7-6-00  
 DATE

**BUCHART HORN, INC.**  
 3000 CHESTNUT AVENUE  
 SUITE 401  
 BALTIMORE, MD 21211  
 Engineers, Architects and Planners

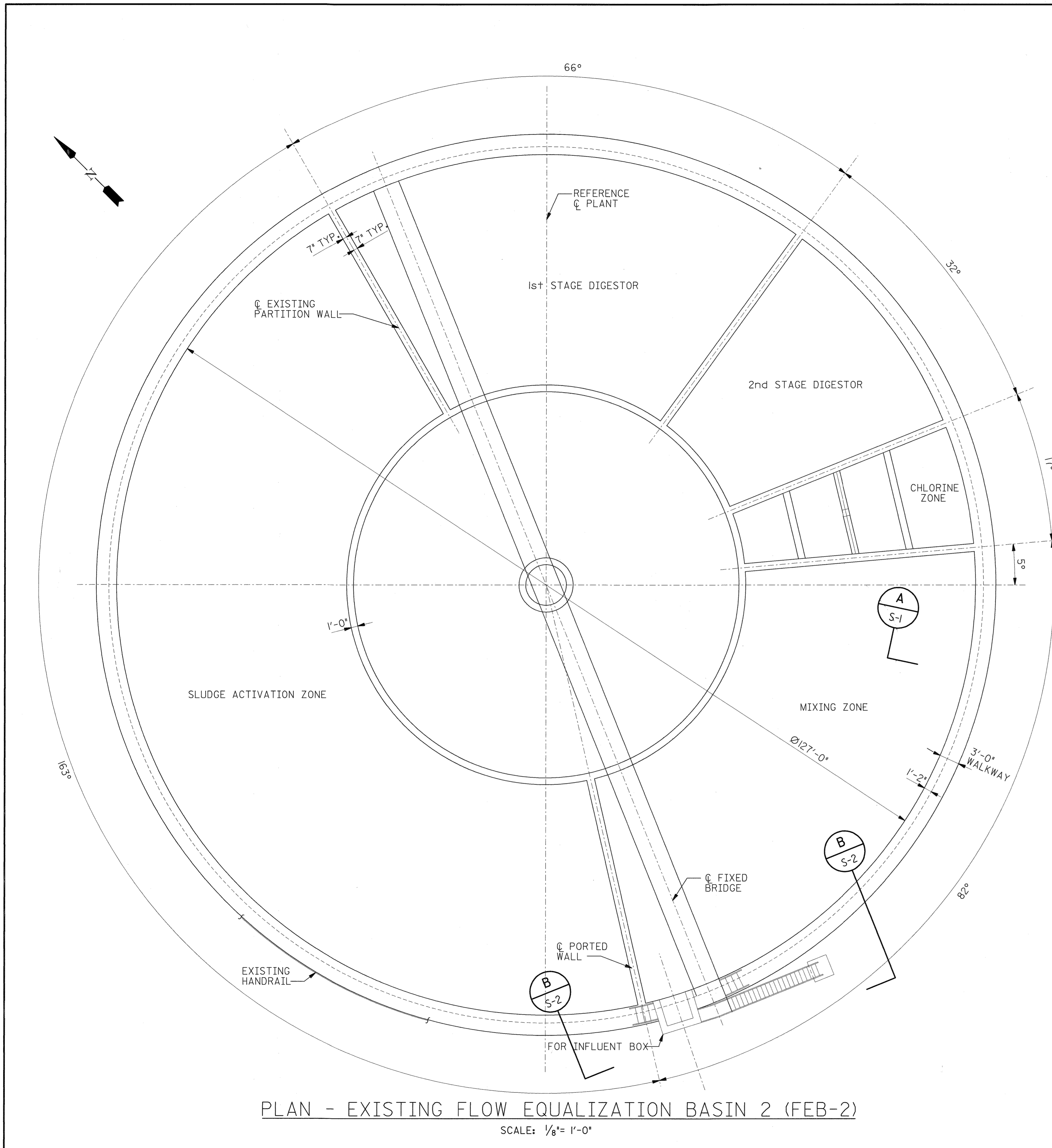


DES:	
DRN:	BB
CHK:	HG
DATE:	5/11/00
BY:	NO.
REVISION:	
DATE:	

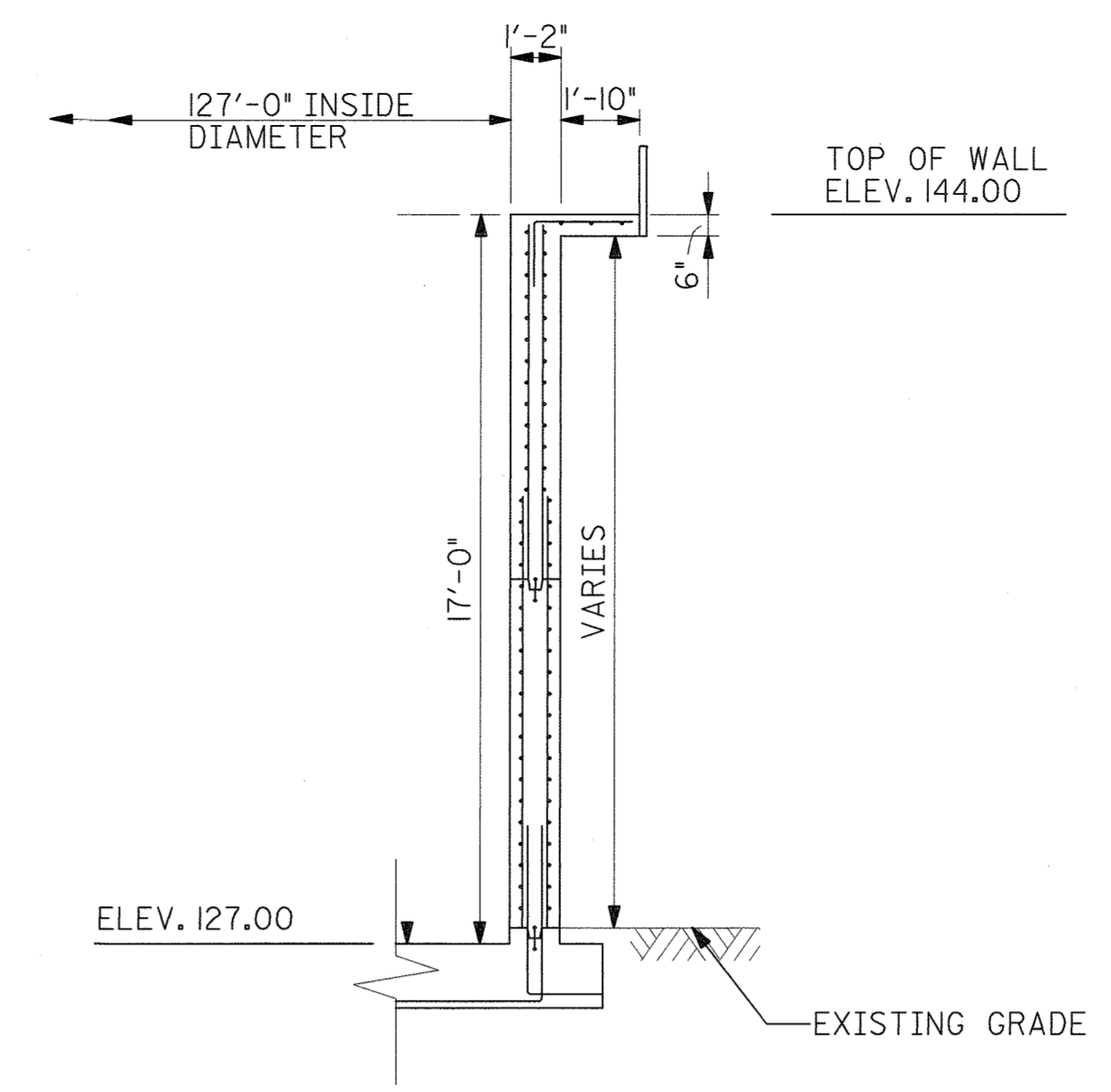
**OVERALL PLAN**

LITTLE PATUXENT WATER RECLAMATION PLANT  
 STRUCTURAL IMPROVEMENTS  
 CAPITAL PROJECT NO. S-6223  
 CONTRACT NO. 20-3843  
 ELECTION DISTRICT NO. 6  
 HOWARD COUNTY, MARYLAND

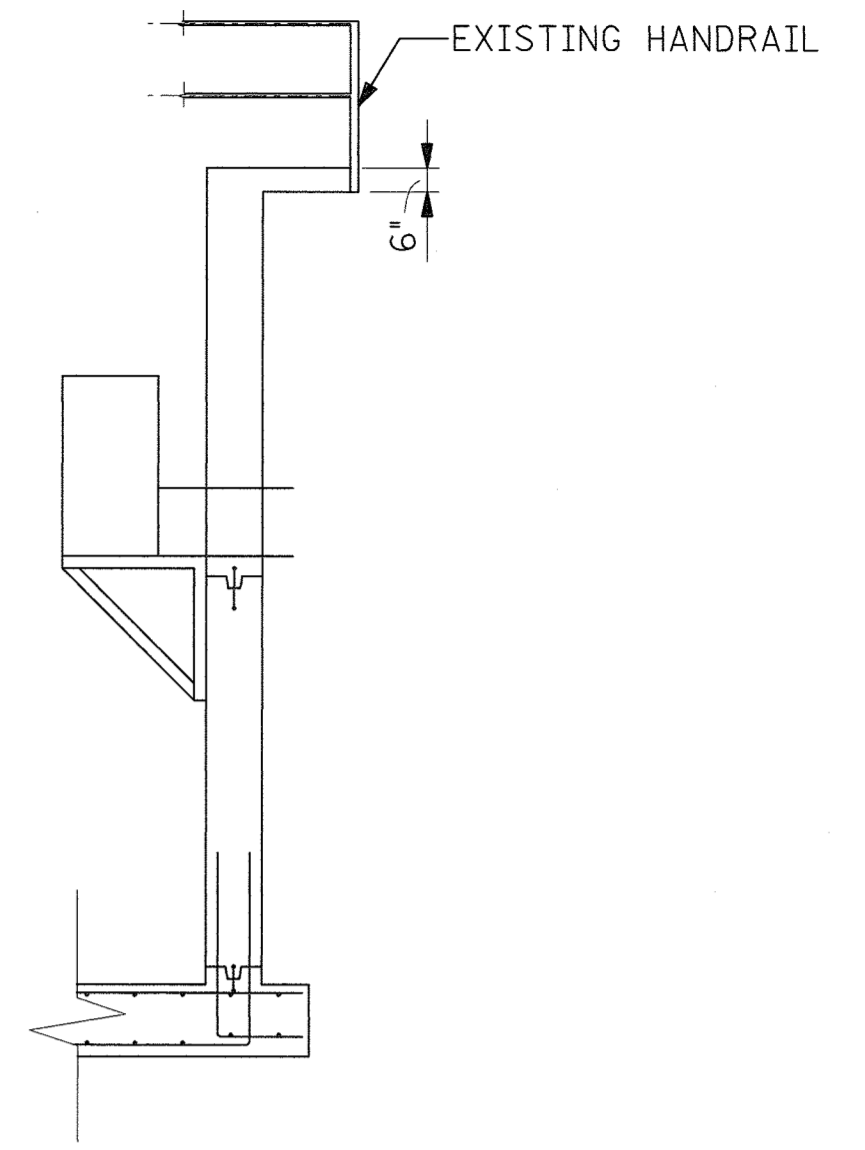
SCALE AS SHOWN  
 SHEET 2 OF 14  
 SI-1



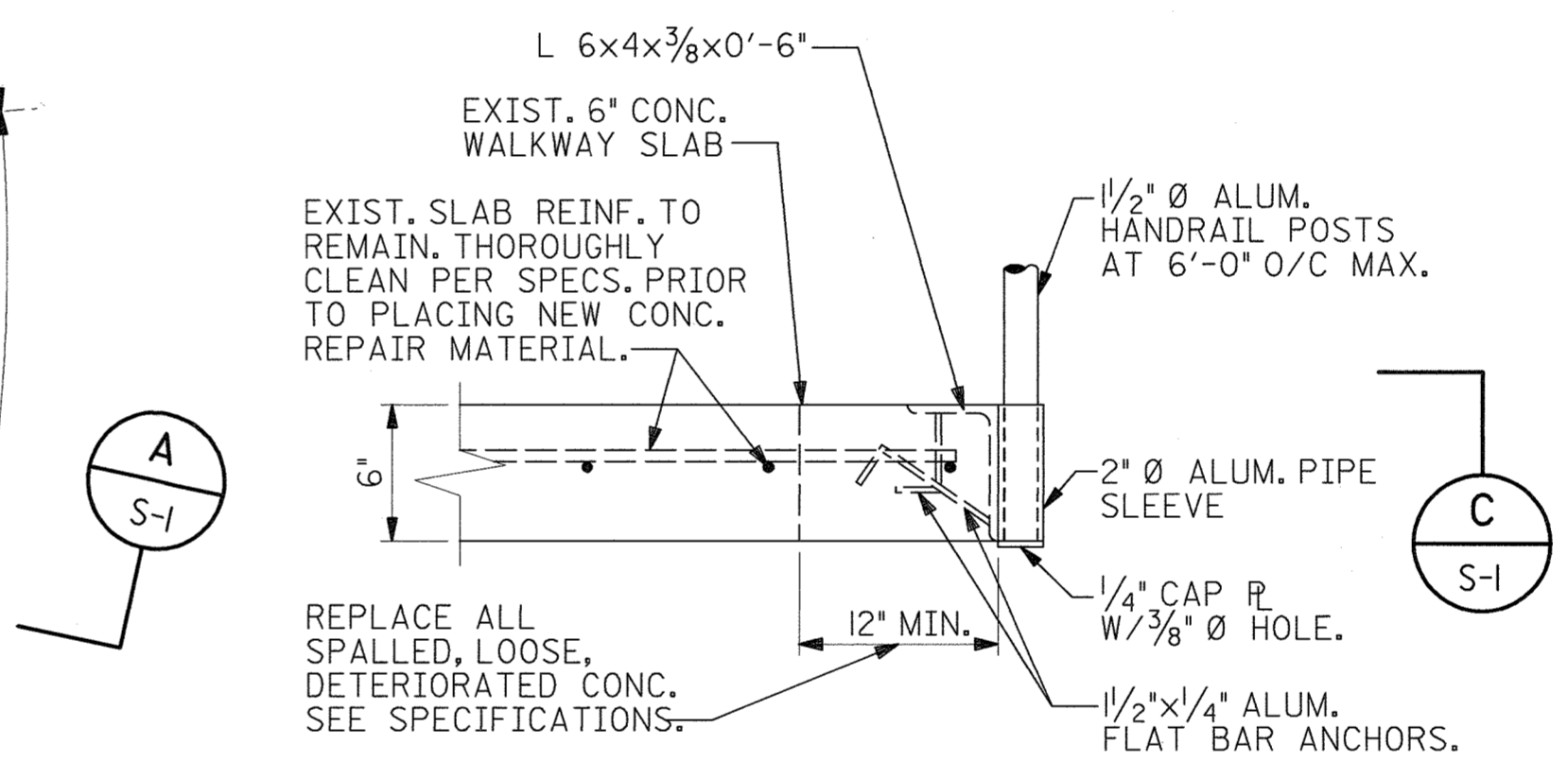
PLAN - EXISTING FLOW EQUALIZATION BASIN 2 (FEB-2)  
SCALE: 1/8" = 1'-0"



TYPICAL EXIST. EXTERIOR CIRCULAR WALL  
SCALE: 1/4" = 1'-0"

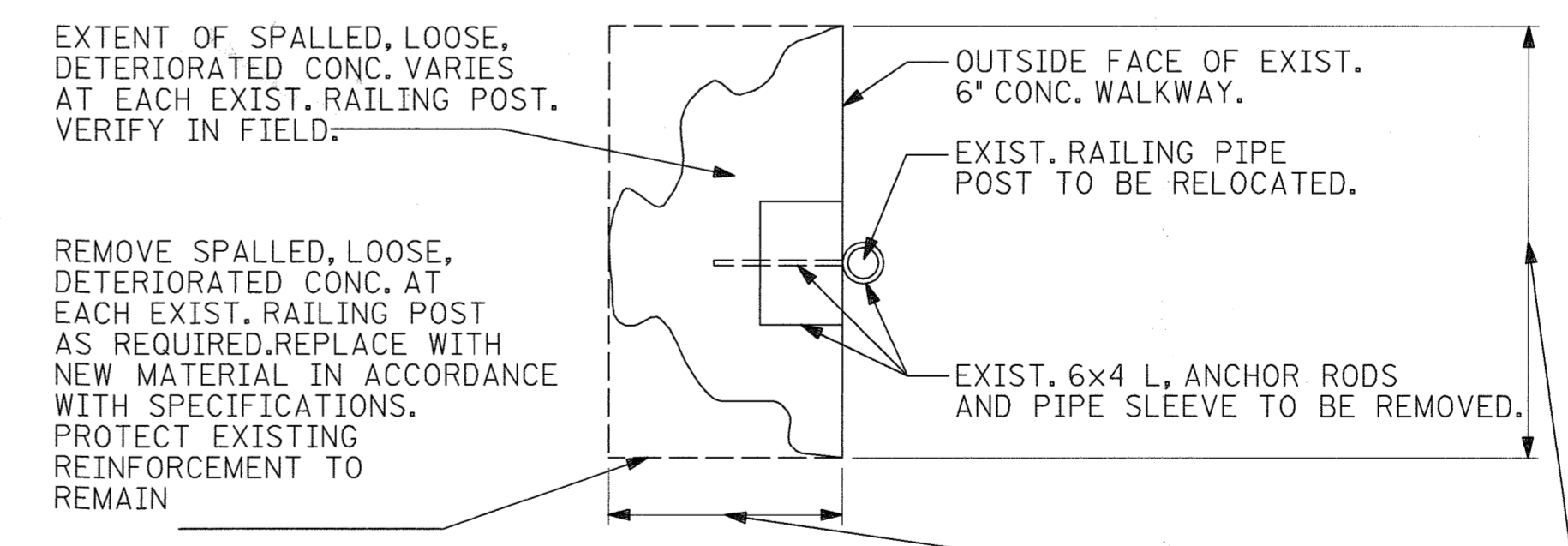


SECTION A-A  
SCALE: 1/4" = 1'-0"



TYPICAL EXIST. RAILING POST ANCHORAGE DETAIL  
SCALE: 1/2" = 1'-0"

- NOTES:
1. REMOVE EXIST. RAILING PIPE POSTS FROM EXIST. PIPE SLEEVES AND RELOCATE AS SHOWN IN SECTION B-B.
  2. CLEAN POSTS AS REQUIRED PRIOR TO INSTALLATION IN NEW LOCATIONS.
  3. AFTER PIPE RAILING POSTS HAVE BEEN RELOCATED, REMOVE EXIST. DETERIORATED CONC. AND REMOVE EXISTING 6x4 Ls, ANCHORS RODS AND PIPE SLEEVES, TO MIN. DIMENSIONS SHOWN IN SECTION C-C.
  4. FIELD VERIFY ALL EXISTING CONDITIONS. INFORMATION SHOWN OBTAINED FROM RECORD (OR OTHER DRAWINGS), NOTIFY ENGINEER OF VARIANCES FOUND.
  5. MAINTAIN AND PROTECT ALL EXISTING REINFORCEMENT DURING THE DEMOLITION PROCESS.



SECTION C-C  
SCALE: 1/2" = 1'-0"

TO EXTENT OF SPALLING BUT NOT LESS THAN 12"

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Robert M. Baugher* 7-6-00  
CHIEF, BUREAU OF UTILITIES

**BUCHART HORNING**  
3000 CHESTNUT AVENUE  
SUITE 400  
BALTIMORE, MD 21211

Engineers, Architects and Planners



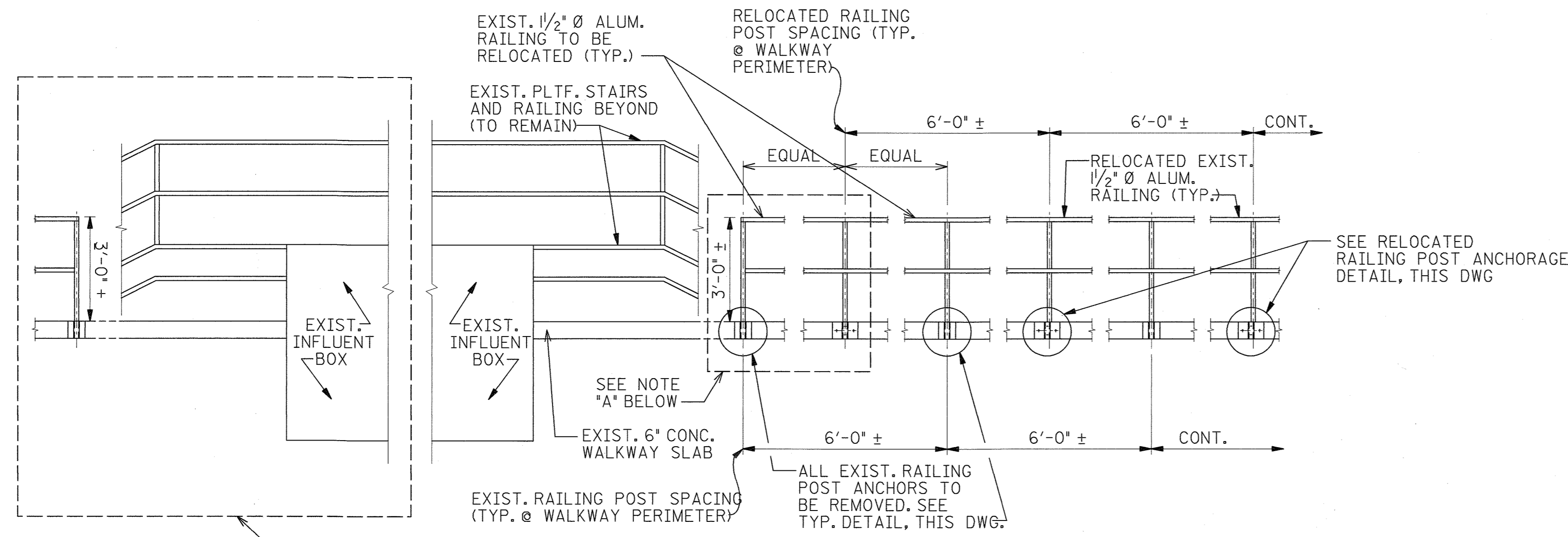
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DRN:	BB			
CHK:	HG			
DATE:	5/1/00	BY	NO.	REVISION
				DATE

FEB-2  
WALKWAY REPAIRS  
PLAN, SECTIONS, AND DETAILS

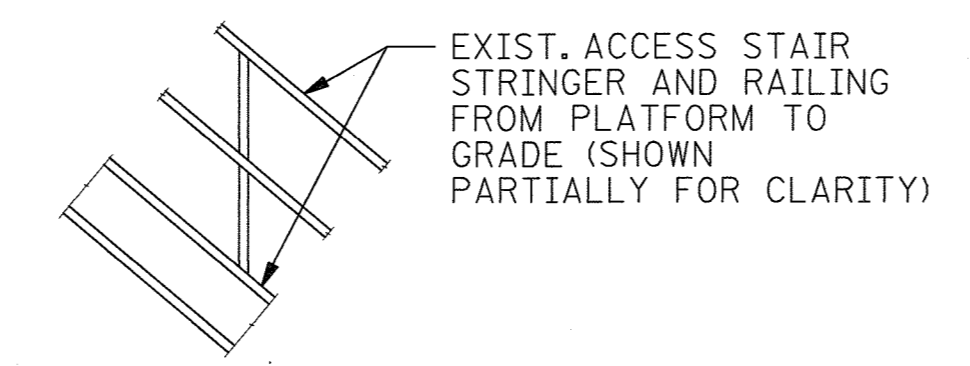
LITTLE PATUXENT WATER RECLAMATION PLANT  
STRUCTURAL IMPROVEMENTS  
CAPITAL PROJECT NO. S-6223  
CONTRACT NO. 20-3843  
ELECTION DISTRICT NO. 6  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 3 OF 14  
S-1

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DATE: 15-May-00 09:55

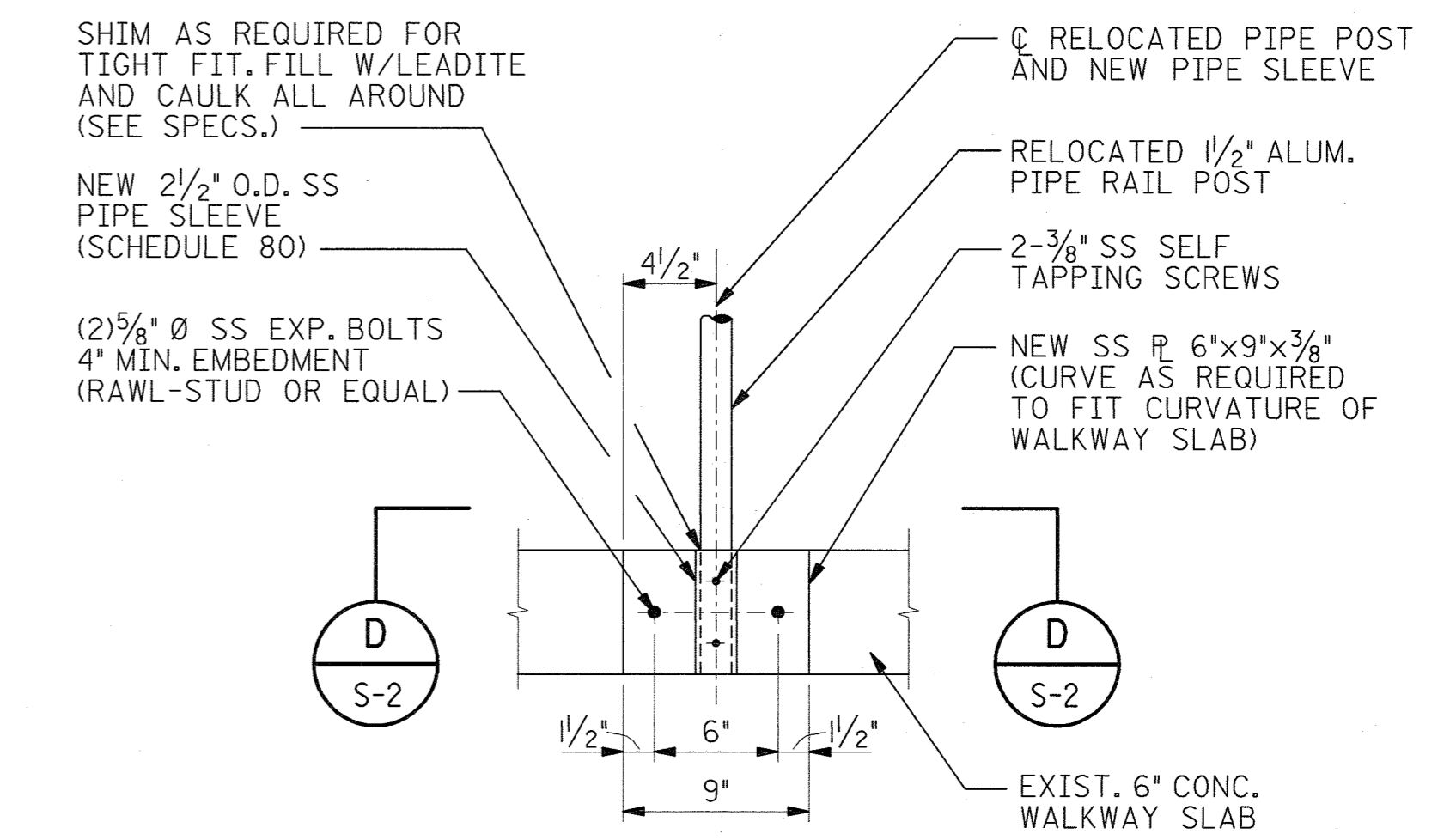


SEE NOTE "B" BELOW

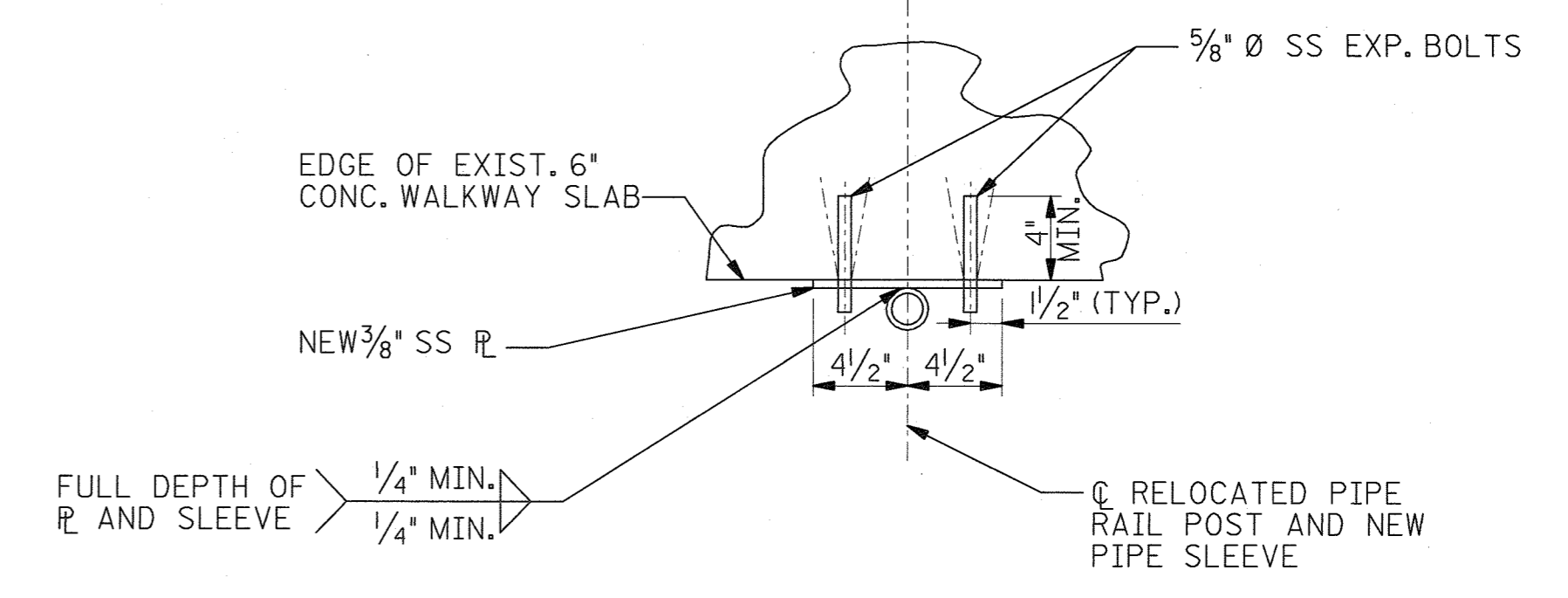


**SECTION B-B**  
SCALE: 3/8" = 1'-0"

- NOTES:**
- A. PROVIDE NEW 1/2" Ø ALUM. PIPE POST AND 3'-0"± LENGTH OF NEW ALUM RAILING THIS AREA TO MATCH EXIST. AFTER REMOVAL OF EXIST POST ANCHORAGE AND REPAIR OF DETERIORATED CONC., LOCATE NEW POST IN SAME LOCATION AS EXIST. POST THAT WAS RELOCATED. ANCHORAGE FOR THIS NEW POST TO BE PER TYPICAL RELOCATED ALUM. RAILING POST ANCHORAGE DETAIL, ON THIS DWG. PROVIDE CONNECTIONS FOR ALL HORIZONTAL RAILING MEMBERS TO BOTH POSTS SPACED AT 3'-0"± AT THIS LOCATION.
  - B. RAILING POST ADJACENT TO BOTTOM OF STAIR THIS SIDE OF EXIST INFLUENT BOX TO BE AT SAME LOCATION AS EXISTING POST. AFTER REMOVAL OF EXISTING POST ANCHORAGE AND REPAIR OF DETERIORATED CONCRETE, ANCHOR THE POST AT THIS LOCATION PER TYPICAL RELOCATED ALUM. RAILING POST ANCHORAGE DETAIL ON THIS DWG. MODIFY 6'-0"± LENGTH OF EXIST. RAILING AS REQUIRED TO PROVIDE A 3'-0"± LENGTH OF RAILING. PROVIDE CONNECTIONS FOR ALL HORIZ. RAILING MEMBERS TO BOTH POSTS AT THIS LOCATION.



**TYPICAL RELOCATED ALUM. RAILING POST ANCHORAGE DETAIL**  
SCALE: 1/2" = 1'-0"



**SECTION D-D**  
SCALE: 1/2" = 1'-0"

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Robert Bainger* 7-6-00  
CHIEF, BUREAU OF UTILITIES DATE

**BUCHART HORN, INC.**  
3000 CHESTNUT AVENUE  
SUITE 400  
BALTIMORE, MD 21211  
Engineers, Architects and Planners

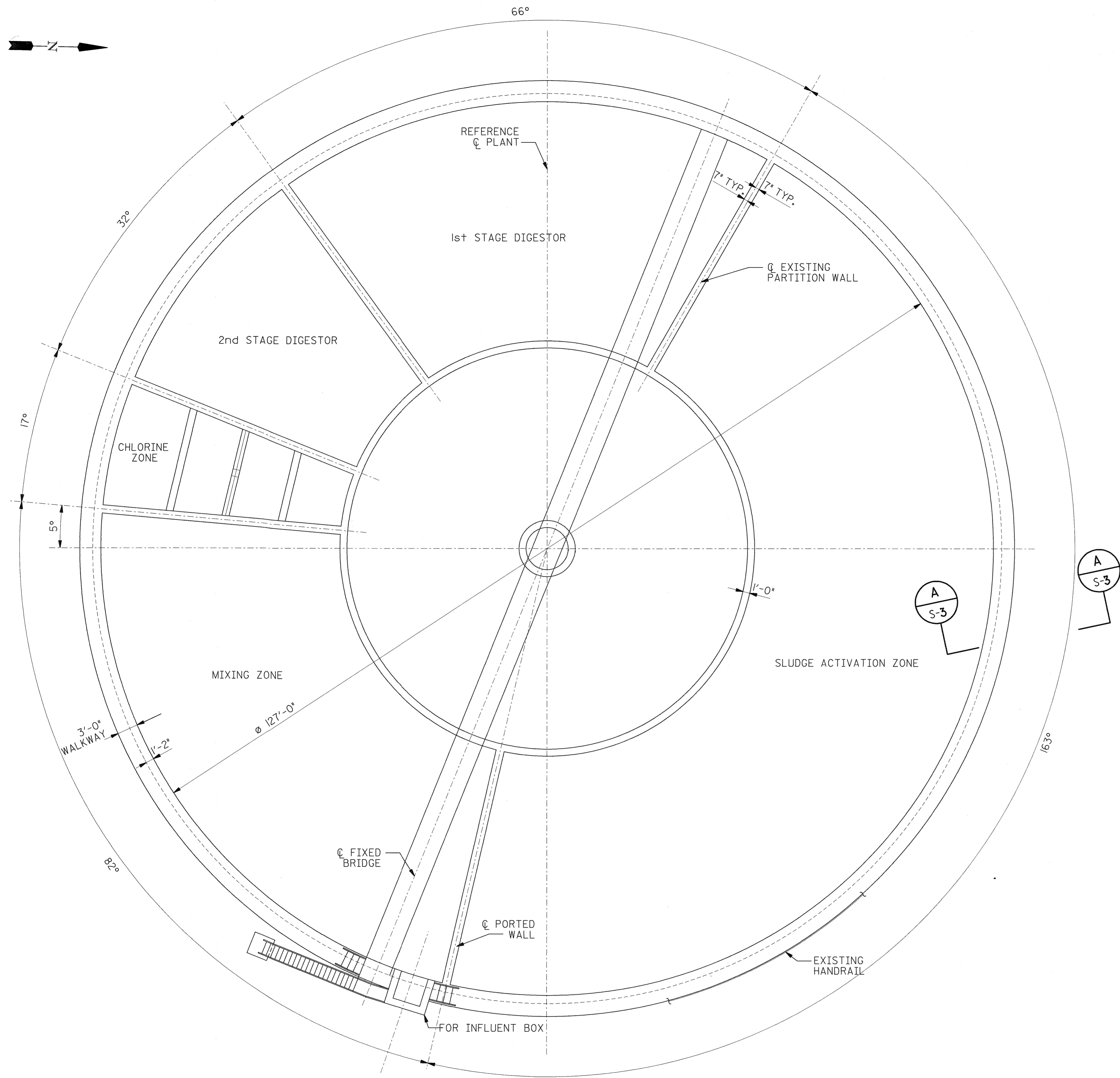


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DRN:	BB			
CHK:	HG			
DATE:	5/11/00	BY	NO.	REVISION
				DATE

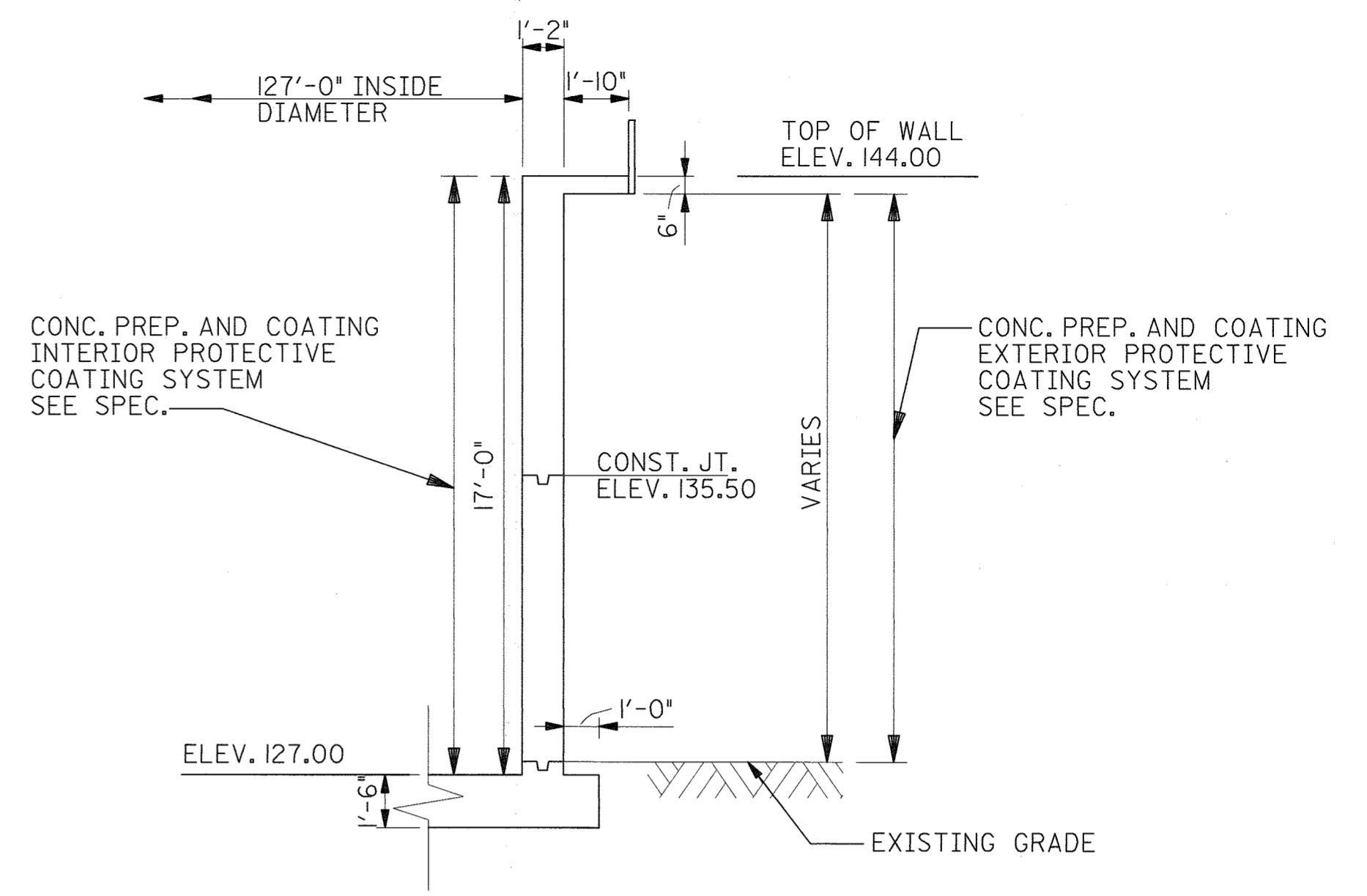
**FEB-2  
WALKWAY REPAIRS  
SECTIONS AND DETAIL**

LITTLE PATUXENT WATER RECLAMATION PLANT  
STRUCTURAL IMPROVEMENTS  
CAPITAL PROJECT NO. S-6223  
CONTRACT NO. 20-3843  
ELECTION DISTRICT NO. 6  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 4 OF 14  
S-2



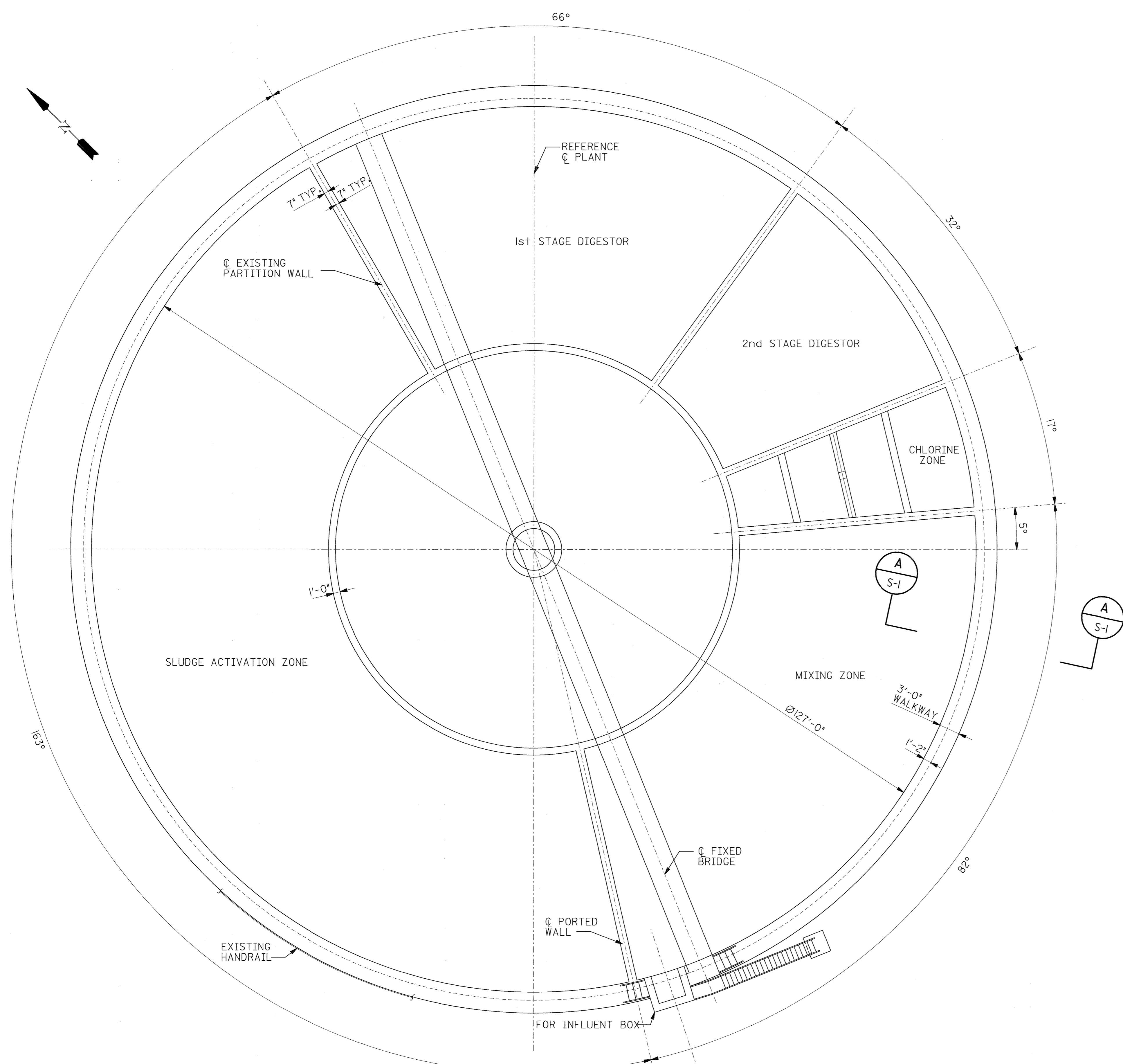
PLAN - EXISTING FLOW EQUALIZATION BASIN I (FEB-1)  
N.T.S



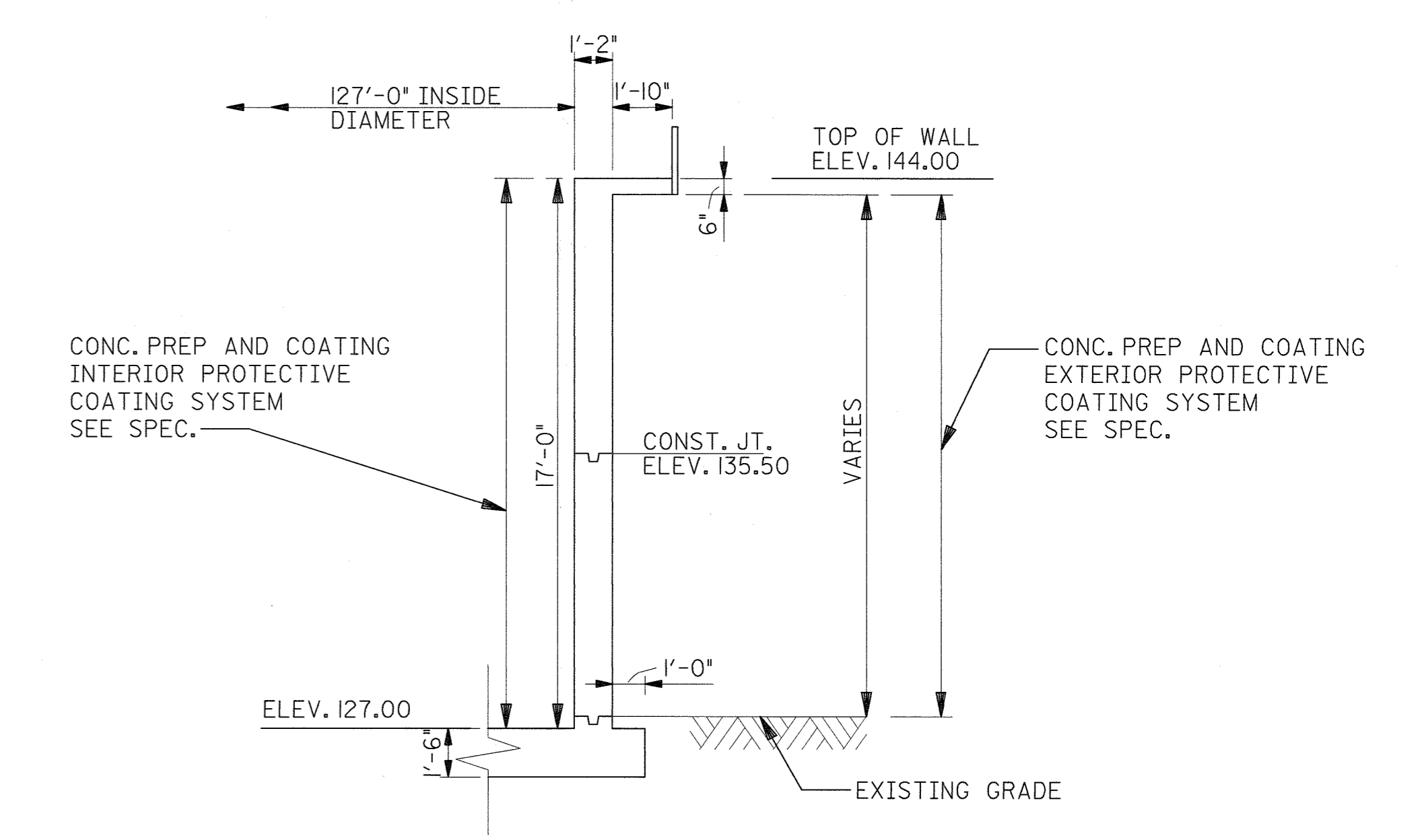
TYPICAL EXIST. EXTERIOR SECTION A-A  
N.T.S.

- NOTES:
1. COATING OF INTERIOR BAFFLES AND PARTITIONS ARE NOT IN THIS CONTRACT.
  2. TANK IS SHOWN FOR GENERAL PURPOSE ONLY.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND  <i>Robert M. Berger</i> 7-6-00 CHIEF, BUREAU OF UTILITIES	BUCHART HORNING 3000 CHESTNUT AVENUE SUITE 400 BALTIMORE, MD 21211 Engineers, Architects and Planners		DES:				FLOW EQUALIZATION BASIN No. 1	LITTLE PATUXENT WATER RECLAMATION PLANT STRUCTURAL IMPROVEMENTS CAPITAL PROJECT NO. S-6223 CONTRACT NO. 20-3843 ELECTION DISTRICT NO. 6 HOWARD COUNTY, MARYLAND	SCALE AS SHOWN
			DRN: BB						SHEET 5 OF 14
			CHK: HG						
			DATE: 5/11/00	BY NO.		REVISION	DATE		S-3



PLAN - EXISTING FLOW EQUALIZATION BASIN 2 (FEB-2)  
N.T.S.



TYPICAL EXIST. EXTERIOR SECTION A-A  
N.T.S.

- NOTES:
1. COATING OF INTERIOR BAFFLES AND PARTITIONS ARE NOT IN THIS CONTRACT.
  2. TANK IS SHOWN FOR GENERAL PURPOSE ONLY.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND  <i>Robert W. Berger</i> 7-6-00 CHIEF, BUREAU OF UTILITIES	BUCHART HORNING 3000 CHESTNUT AVENUE BALTIMORE, MD 21211 Engineers, Architects and Planners		DES:				FLOW EQUALIZATION BASIN No. 2	LITTLE PATUXENT WATER RECLAMATION PLANT STRUCTURAL IMPROVEMENTS CAPITAL PROJECT NO. S-6223 CONTRACT NO. 20-3843 ELECTION DISTRICT NO. 6 HOWARD COUNTY, MARYLAND	SCALE AS SHOWN
			DRN: BB						SHEET 6 OF 14
			CHK: HG						
			DATE: 5/11/00	BY NO.		REVISION	DATE		S-4



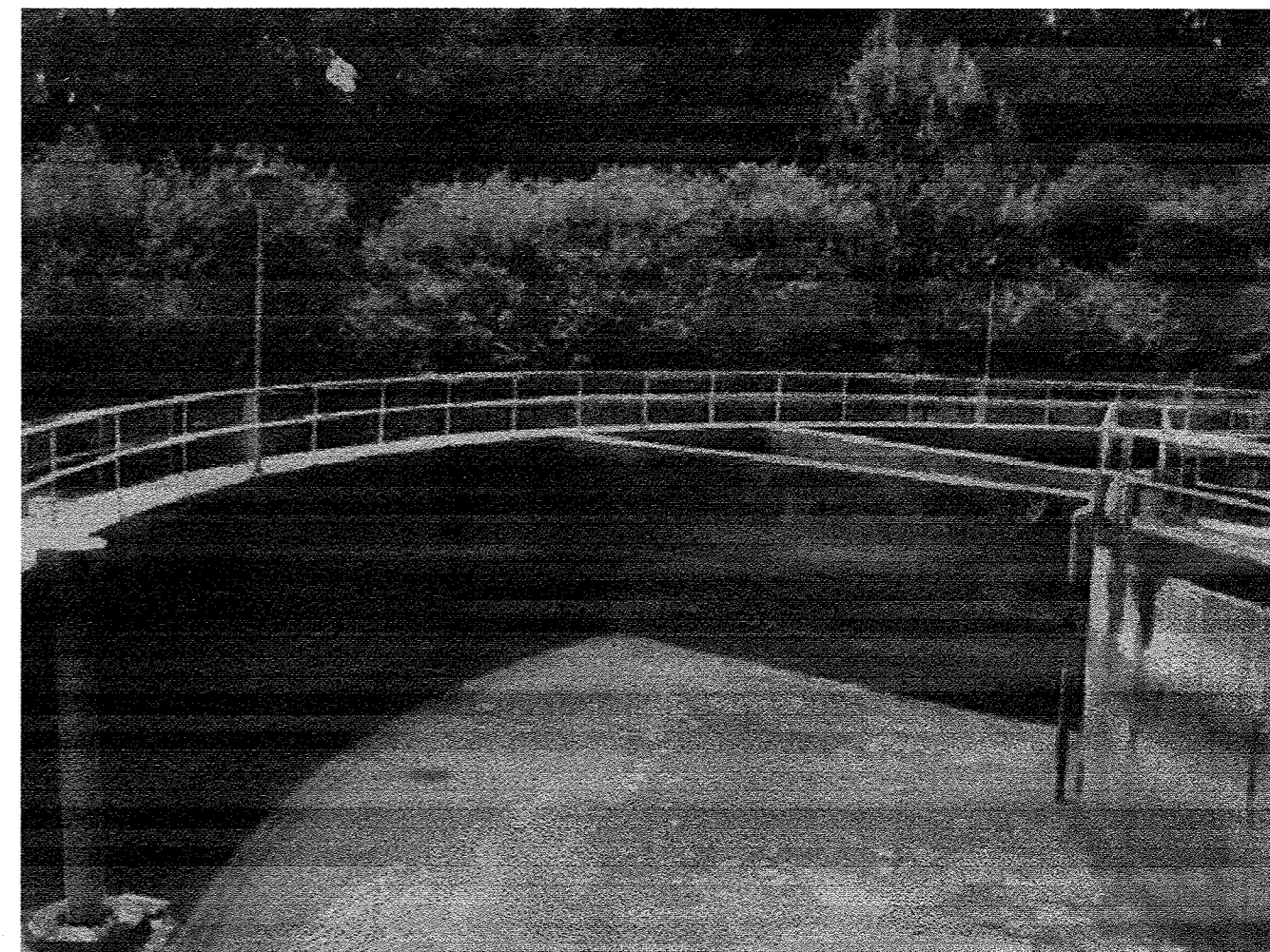
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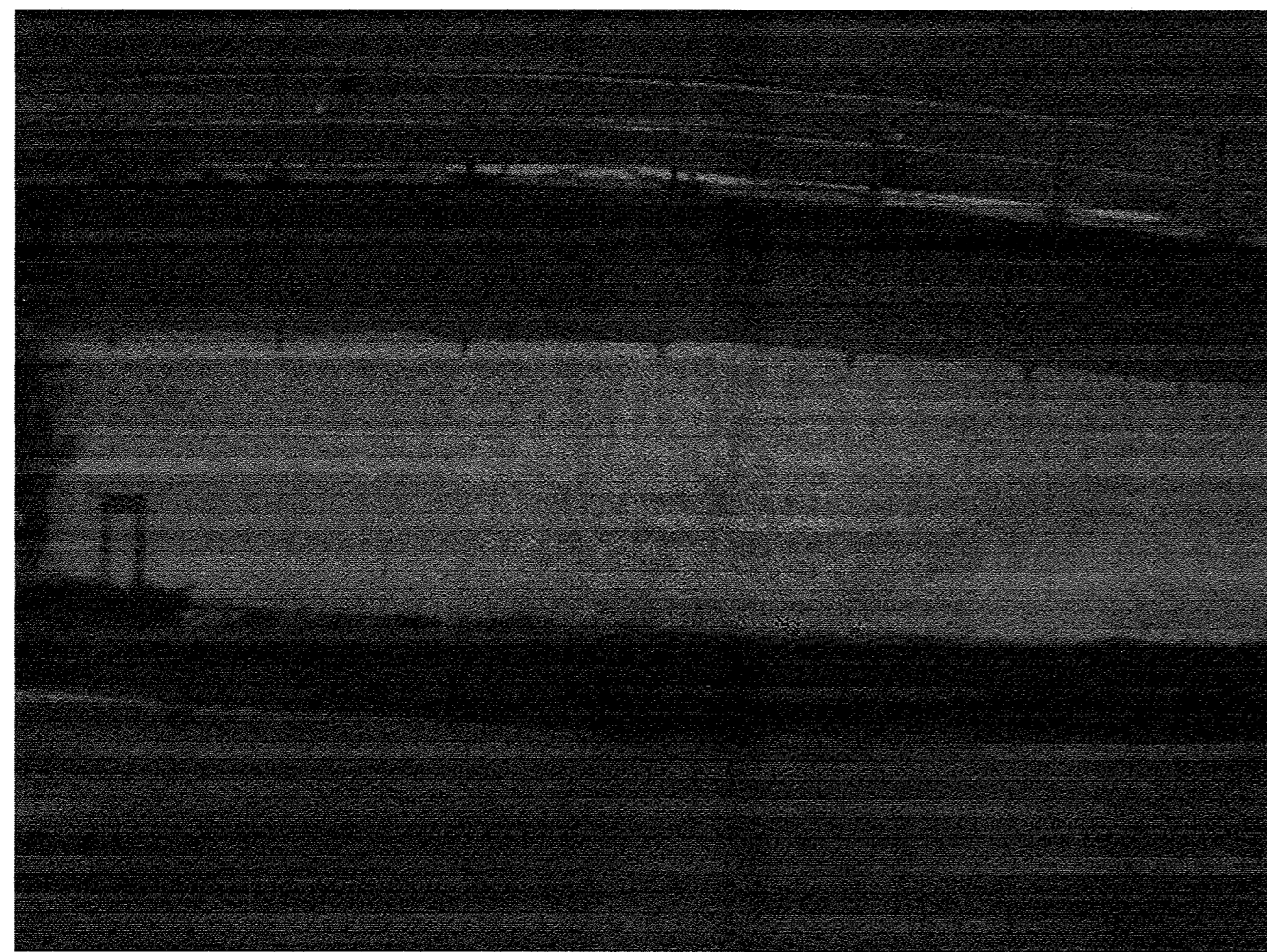
FEB-1



FEB-1



FEB-1



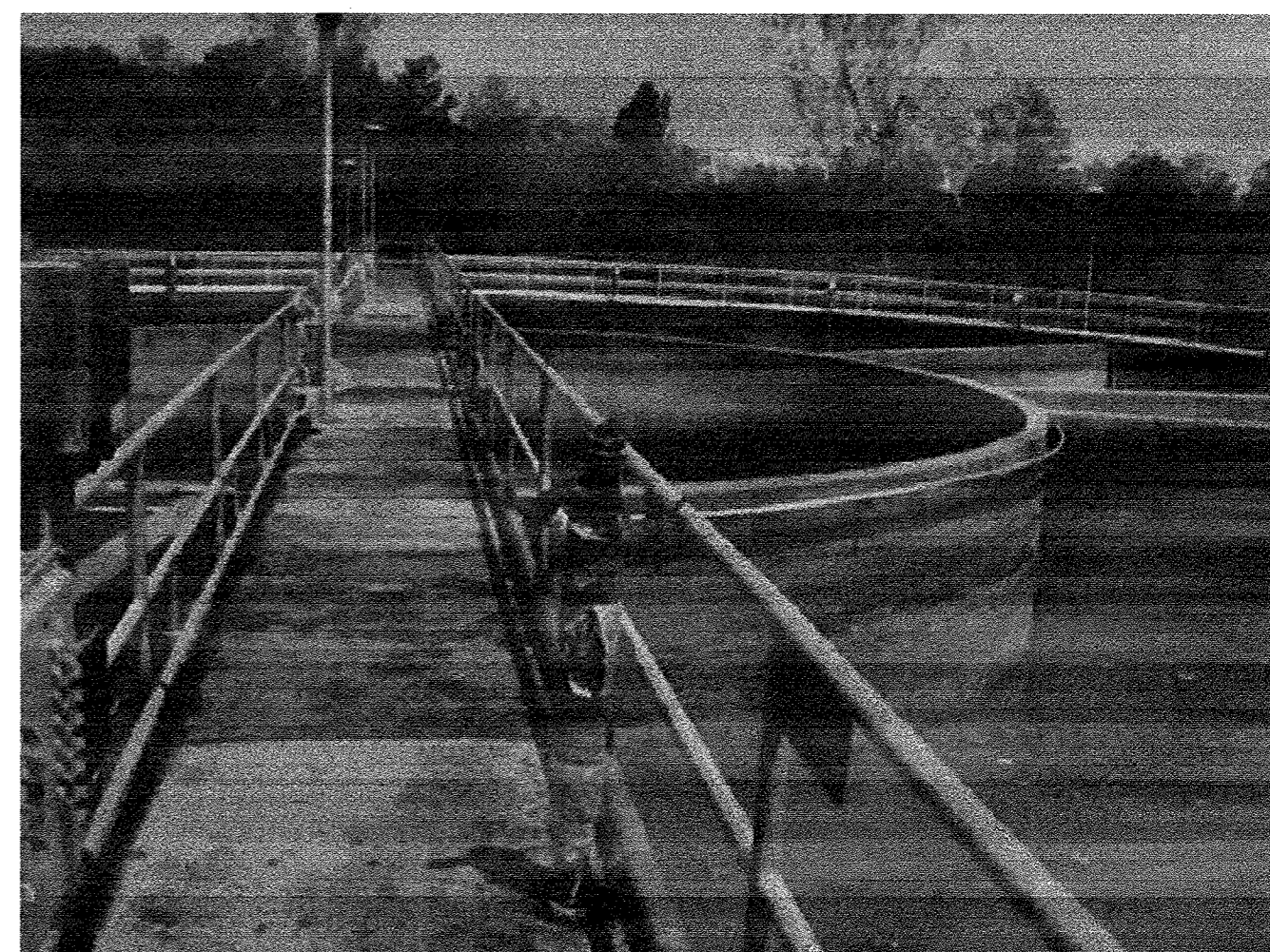
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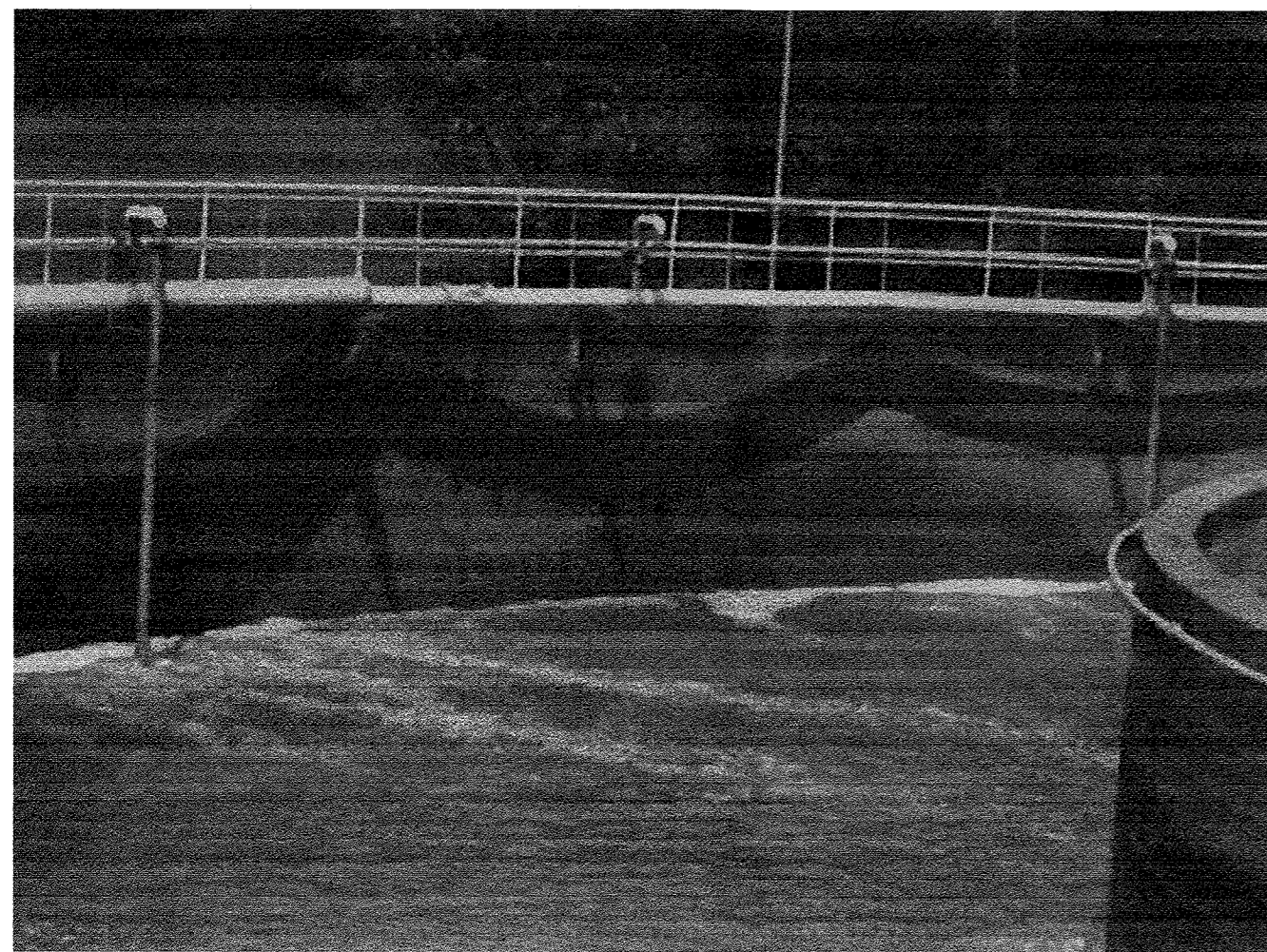
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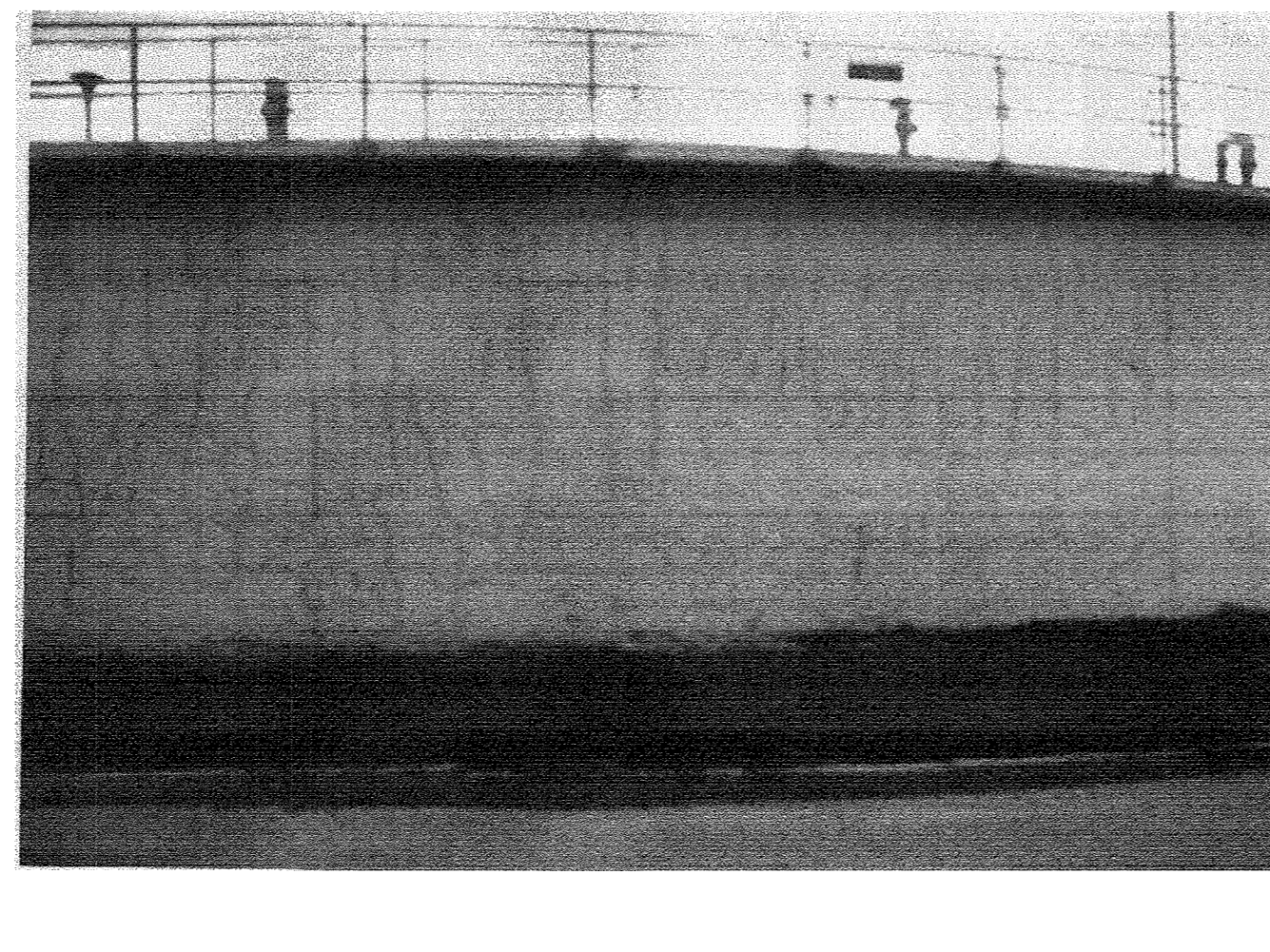
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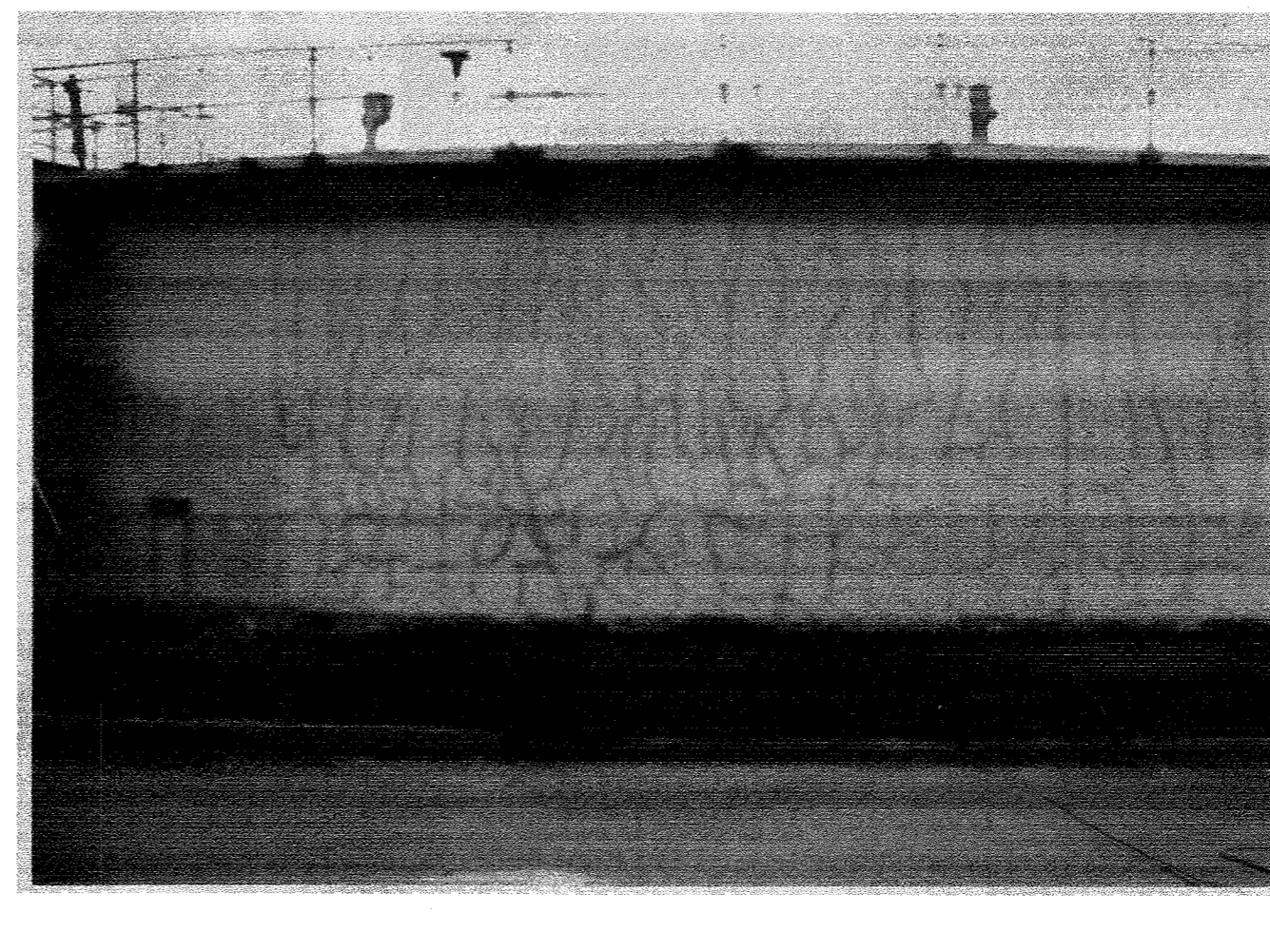
FEB-2



FEB-2



FEB-2



FEB-2

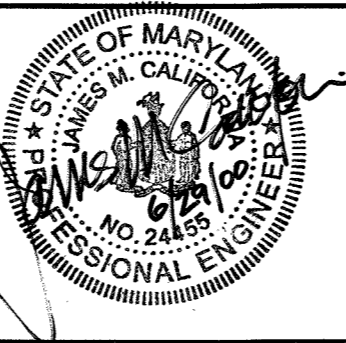
NOTES:  
 1. PHOTOS ARE FOR CONTRACTOR'S GENERAL INFO. ONLY  
 2. FEB-2 EXTERIOR-CRACKS SHOWN WERE HIGHLIGHTED W/DYE FOR EMPHASIS PURPOSE.

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

*Robert M. Beasly* 7-6-02  
 CHIEF, BUREAU OF UTILITIES

**BUCHART HORN, INC.**  
 3000 CHESTNUT AVENUE  
 SUITE 400  
 BALTIMORE, MD 21211

Engineers, Architects and Planners

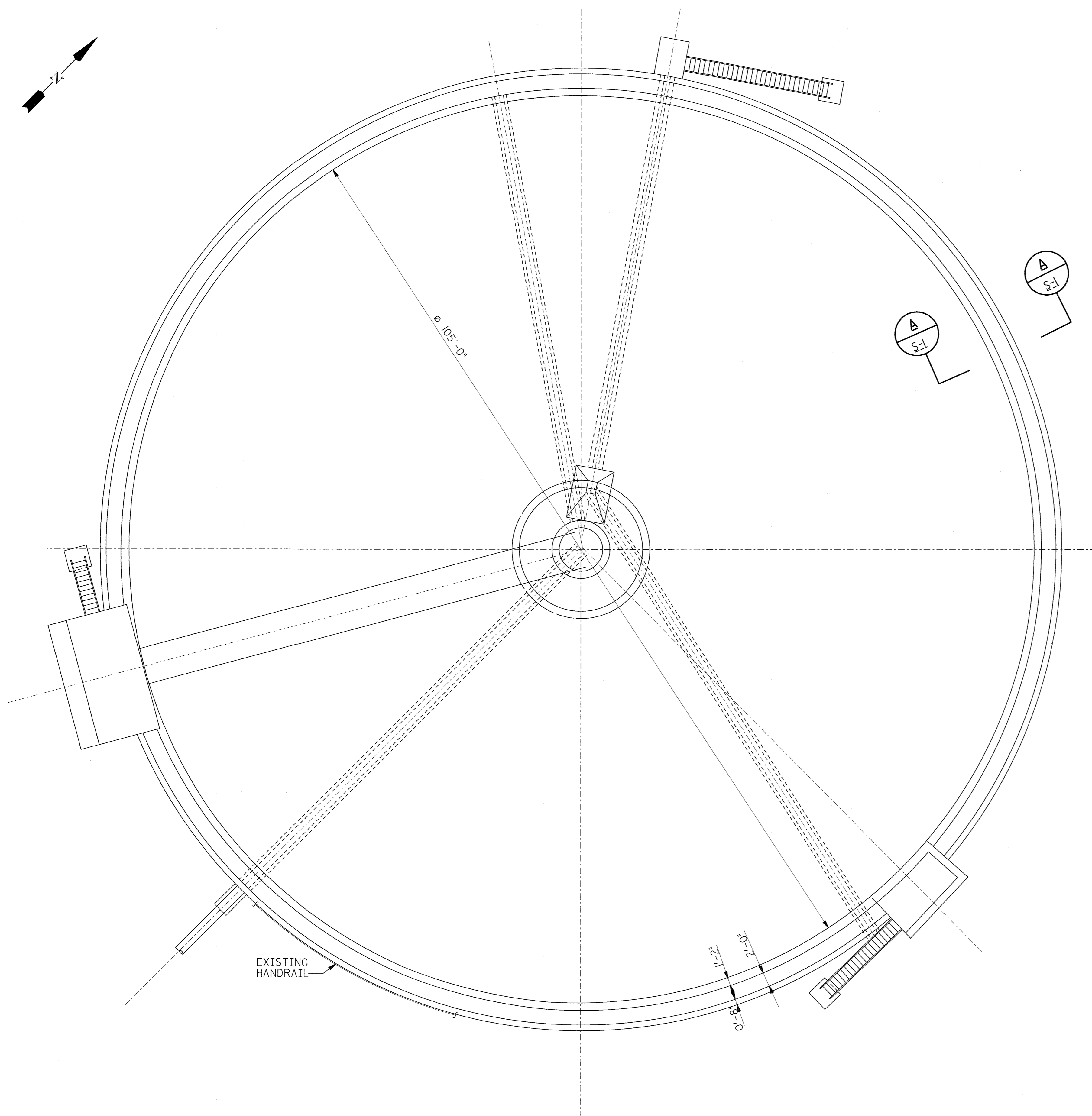
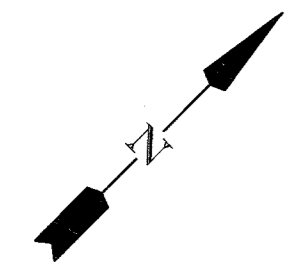


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CHK:	HG		
DATE:	5/1/00		
BY	NO.	REVISION	DATE

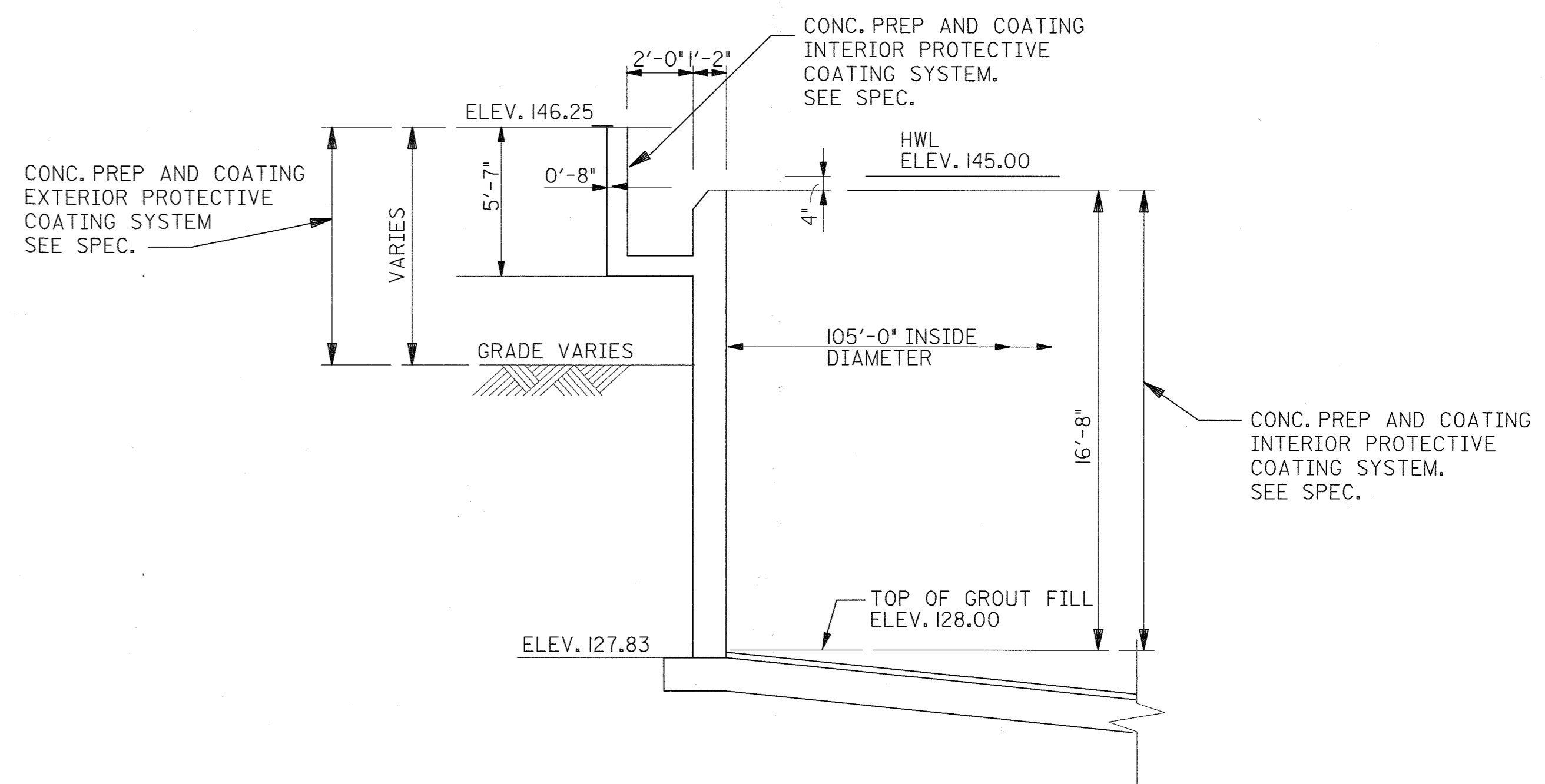
FEB-1 AND FEB-2  
 PHOTOGRAPHS

LITTLE PATUXENT WATER RECLAMATION PLANT  
 STRUCTURAL IMPROVEMENTS  
 CAPITAL PROJECT NO. S-6223  
 CONTRACT NO. 20-3843  
 ELECTION DISTRICT NO. 6  
 HOWARD COUNTY, MARYLAND

SCALE  
 AS  
 SHOWN  
 SHEET  
 7 OF 14  
 S-5



PLAN - EXISTING PRIMARY CLARIFIER No.1 (PC-1)  
N.T.S.

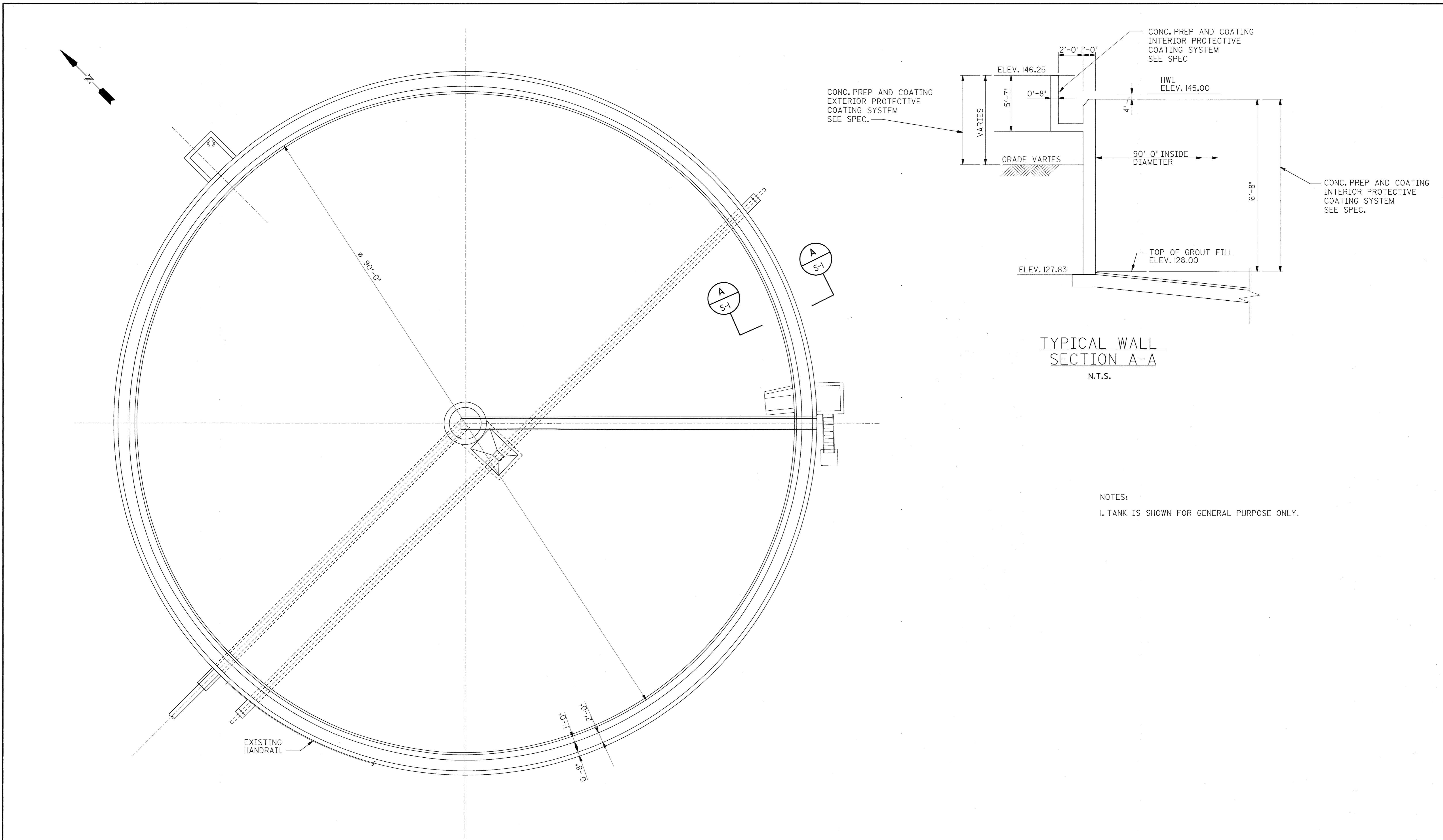


TYPICAL WALL  
SECTION A-A  
N.T.S.

NOTES:  
1. TANK IS SHOWN FOR GENERAL PURPOSE ONLY.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND  <i>Robert M. Berger</i> 7-6-00 CHIEF, BUREAU OF UTILITIES DATE	BUCHART HORNING 3000 CHESTNUT AVENUE SUITE 400 BALTIMORE, MD 21211 Engineers, Architects and Planners		DES:					PRIMARY CLARIFIER No. 1 PLANS AND DETAILS	LITTLE PATUXENT WATER RECLAMATION PLANT STRUCTURAL IMPROVEMENTS CAPITAL PROJECT NO. S-6223 CONTRACT NO. 20-3843 ELECTION DISTRICT NO. 6 HOWARD COUNTY, MARYLAND	SCALE AS SHOWN
			DRN: BB							
			CHK: HG							S-6
			DATE: 5/11/00	BY	NO.	REVISION	DATE			







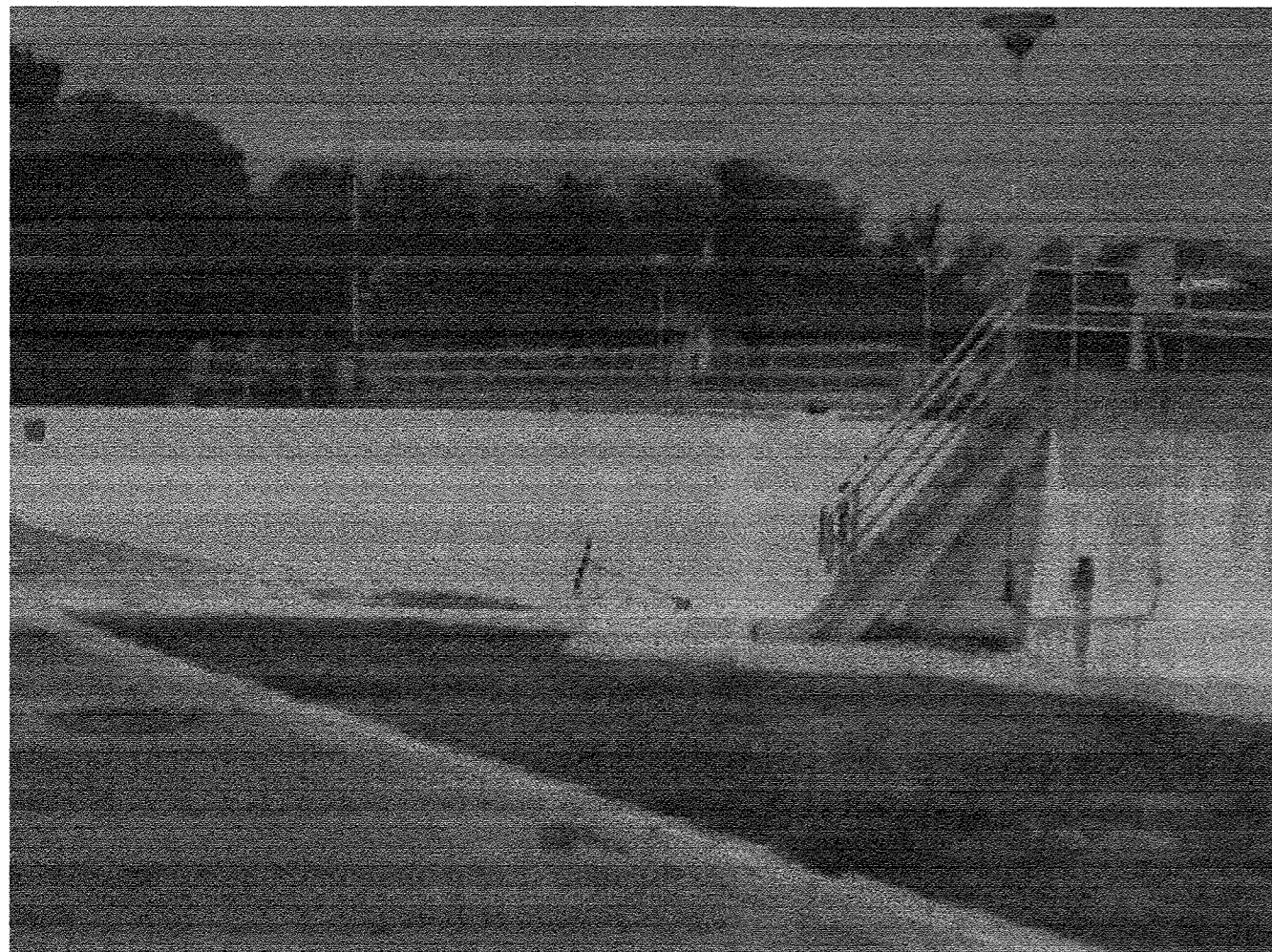
PLAN - EXISTING PRIMARY CLARIFIERS No. 3 (PC-3) & No.4 (PC-4)  
N.T.S.

TYPICAL WALL SECTION A-A  
N.T.S.

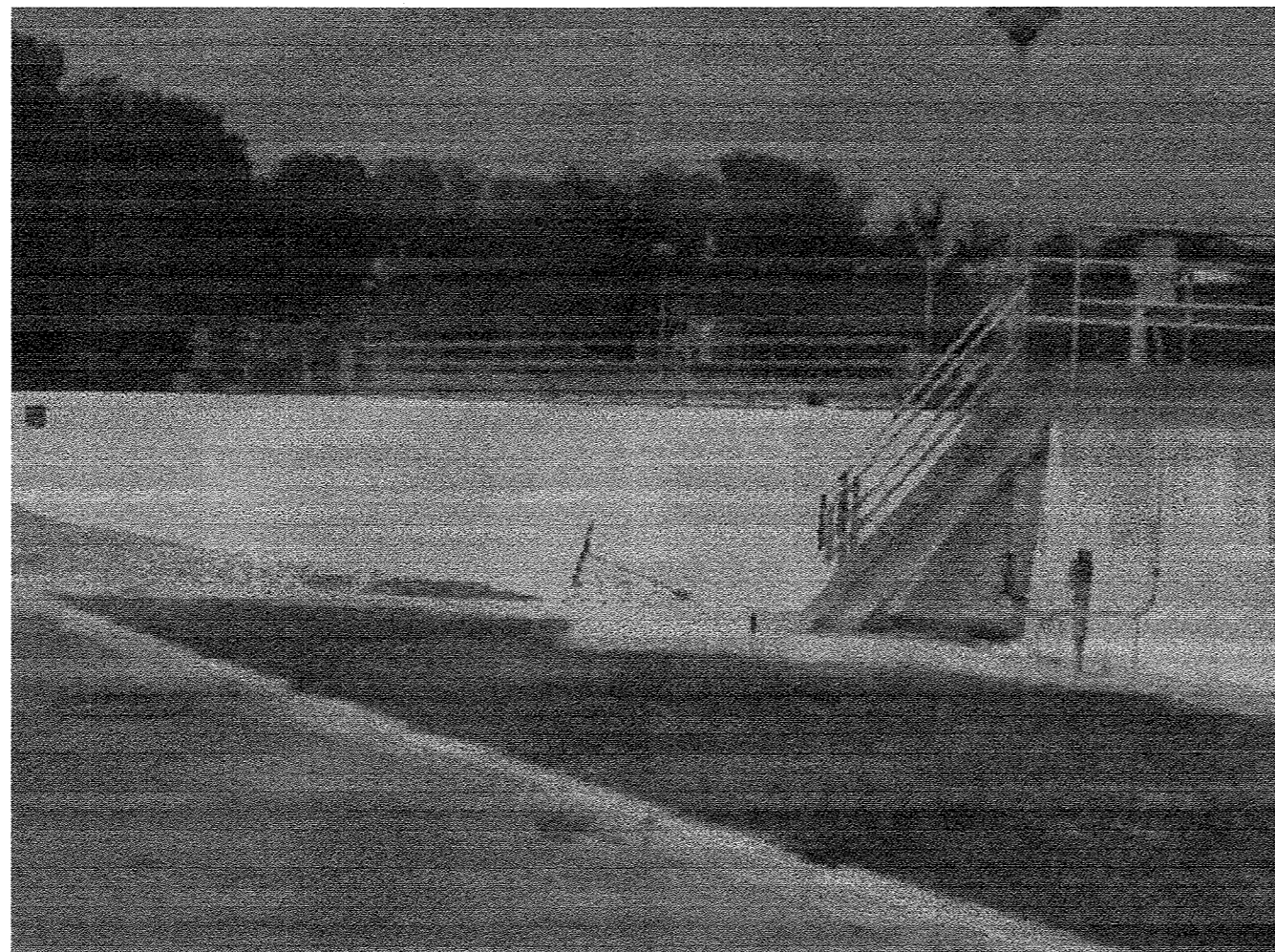
NOTES:  
1. TANK IS SHOWN FOR GENERAL PURPOSE ONLY.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND	 <b>BUCHART HORNING</b> 3000 CHESTNUT AVENUE SUITE 400 BALTIMORE, MD 21211 Engineers, Architects and Planners		DES: _____ DRN: BB CHK: HG DATE: 5/1/00 BY NO. _____ REVISION _____ DATE _____	<b>PRIMARY CLARIFIERS No. 3 &amp; No. 4 PLANS AND DETAILS</b>	LITTLE PATUXENT WATER RECLAMATION PLANT STRUCTURAL IMPROVEMENTS CAPITAL PROJECT NO. S-6223 CONTRACT NO. 20-3843 ELECTION DISTRICT NO. 6 HOWARD COUNTY, MARYLAND	SCALE AS SHOWN SHEET 9 OF 14 <b>S-7</b>
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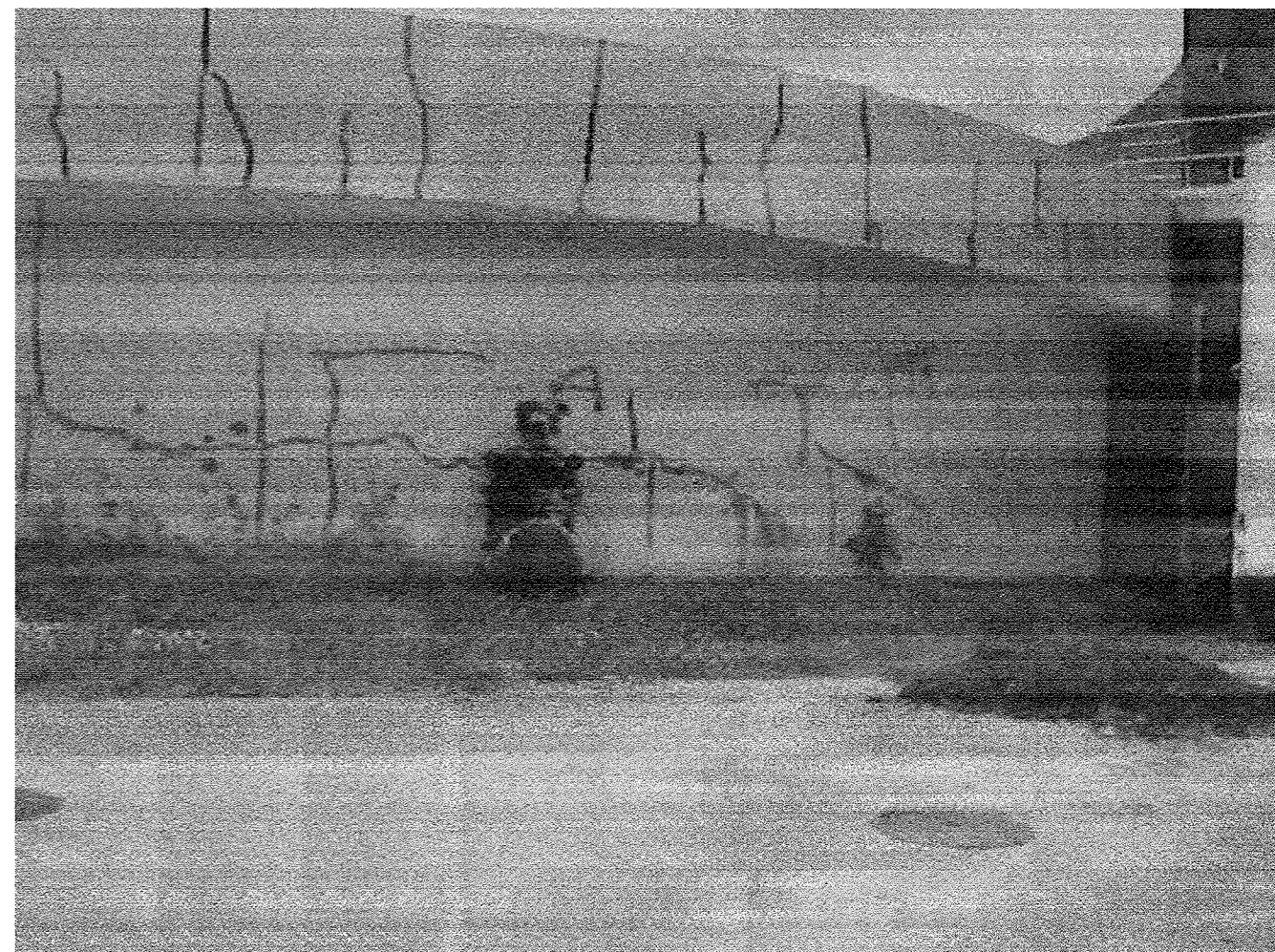
PC-1



PC-1



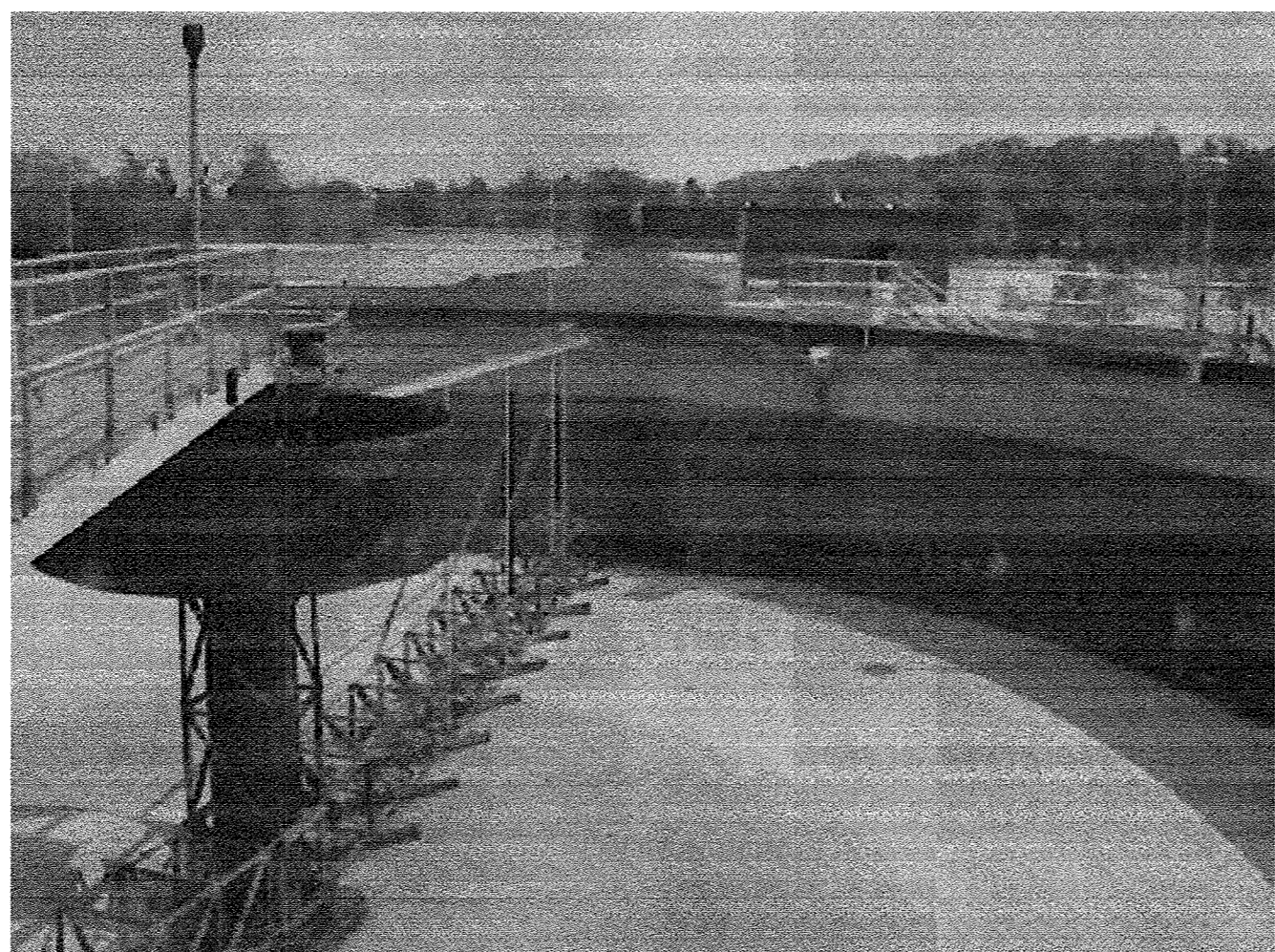
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PC-1



PC-1



PC-1



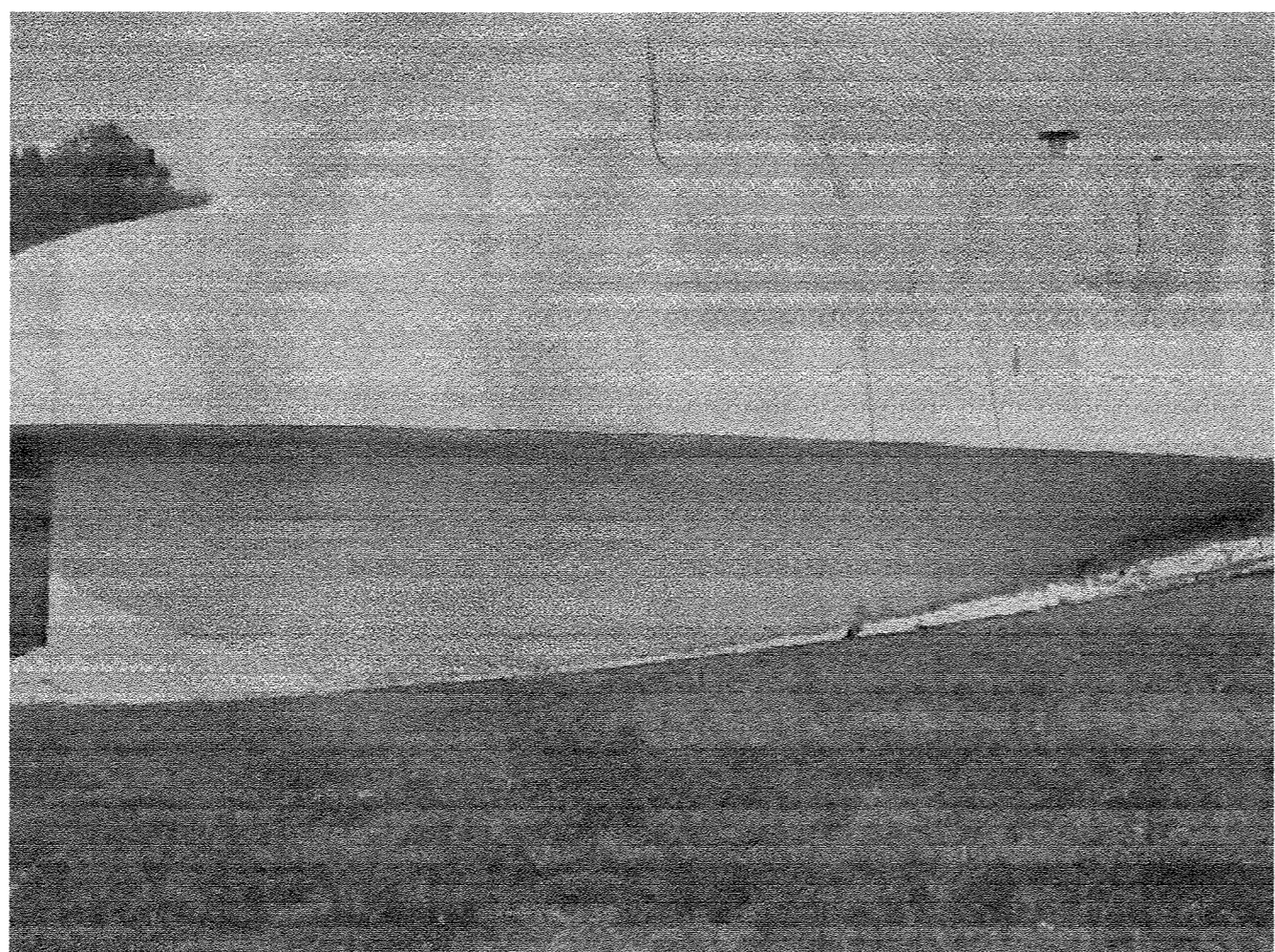
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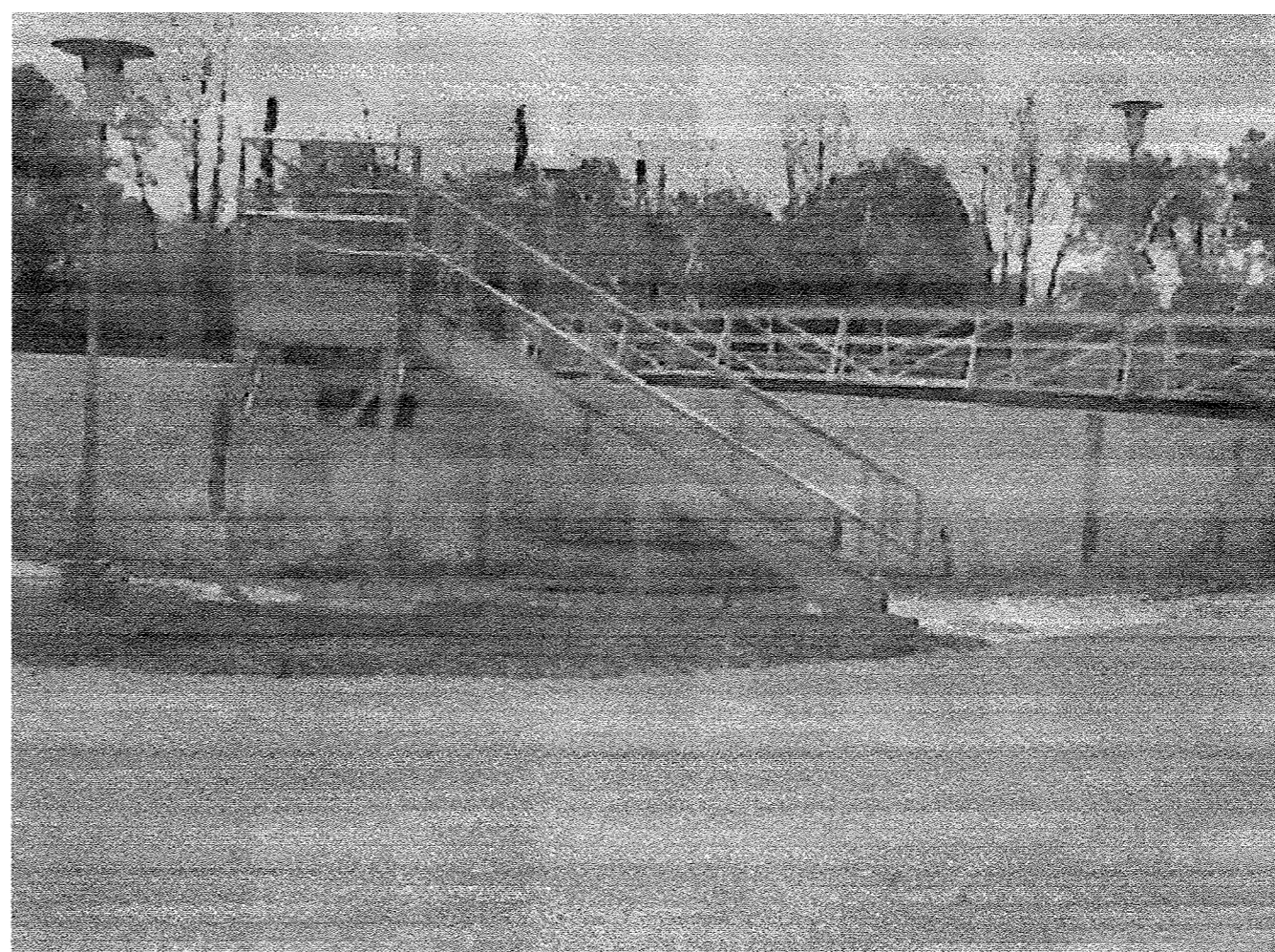
PC-4



PC-4



PC-4



PC-4

NOTES:  
1. PHOTOS ARE FOR CONTRACTOR'S GENERAL INFO. ONLY

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Robert W. Bainger* 7-6-02  
CHIEF, BUREAU OF UTILITIES DATE

**BUCHART  
HORN, INC.**

3000 CHESTNUT AVENUE  
SUITE 400  
BALTIMORE, MD 21211

Engineers, Architects and Planners

STATE OF MARYLAND  
PROFESSIONAL ENGINEER  
*[Signature]*  
NO. 2448

DES:			
DRN: BB			
CHK: HG			
DATE: 5/1/00	BY	NO.	REVISION
			DATE

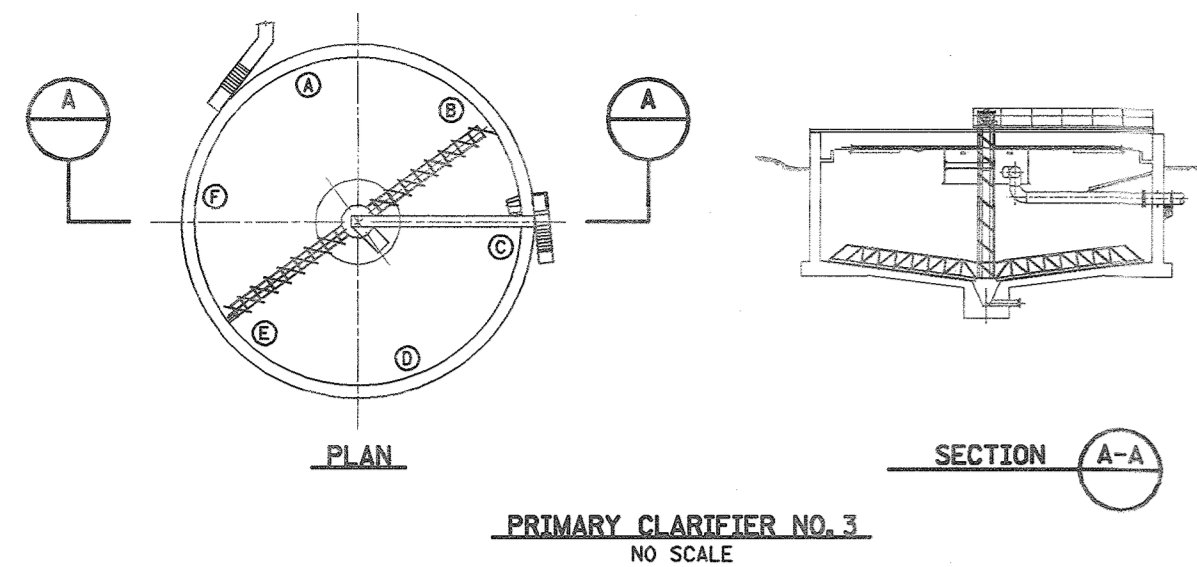
PC-1 AND PC-4  
PHOTOGRAPHS

LITTLE PATUXENT WATER RECLAMATION PLANT  
STRUCTURAL IMPROVEMENTS  
CAPITAL PROJECT NO. S-6223  
CONTRACT NO. 20-3843  
ELECTION DISTRICT NO. 6  
HOWARD COUNTY, MARYLAND

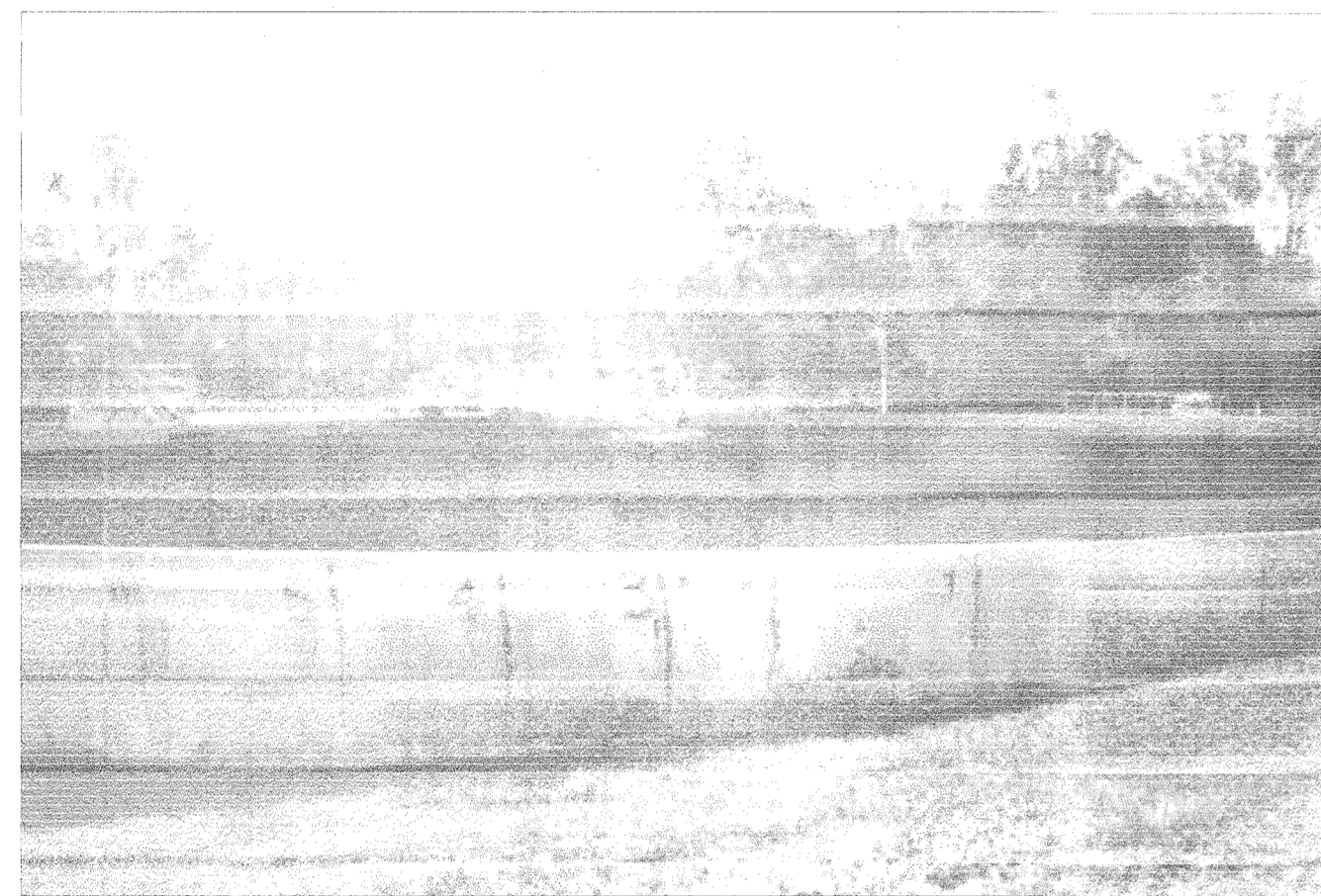
SCALE  
AS  
SHOWN

SHEET  
10 OF 14

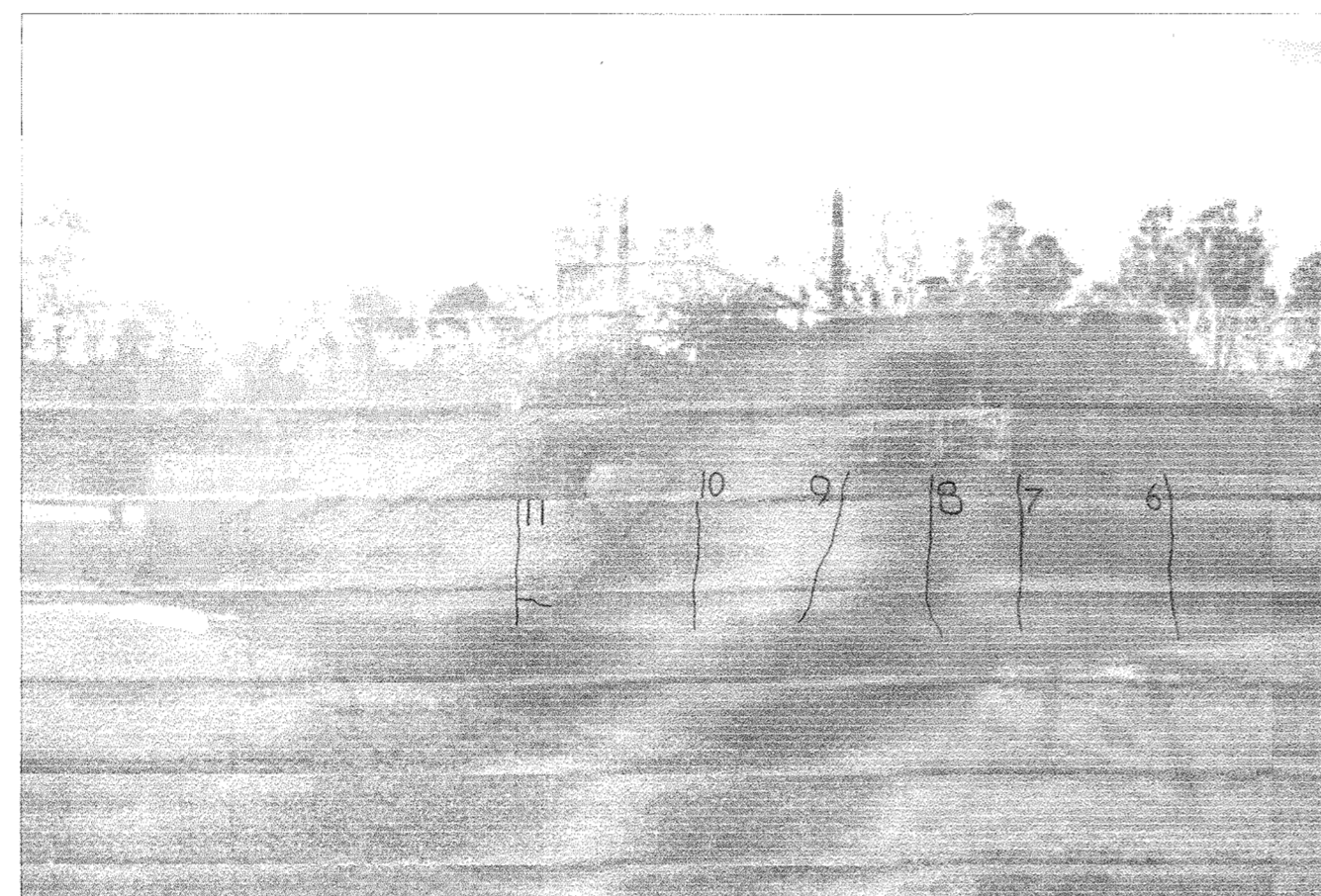
S-8



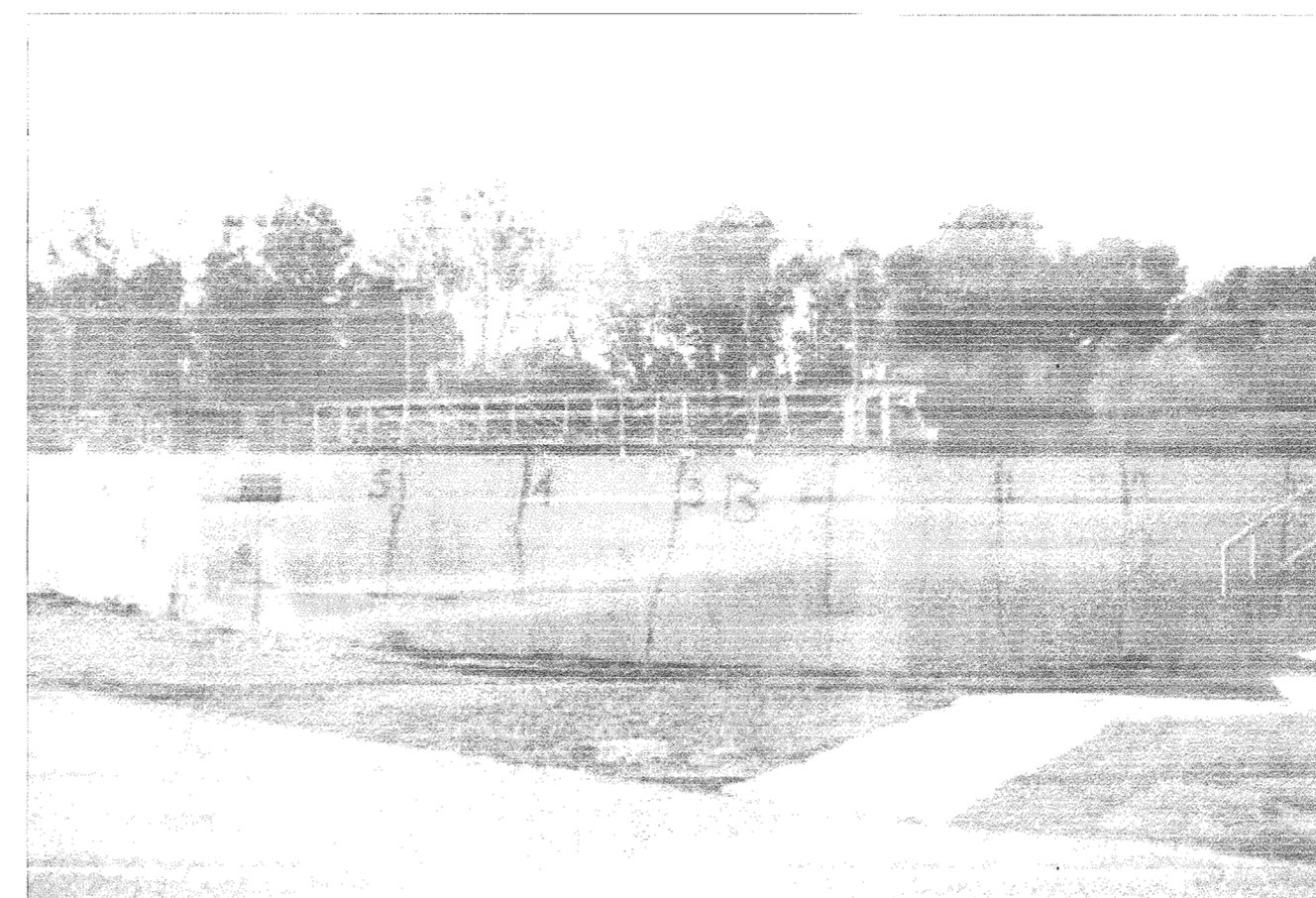
NOTES:  
1. PHOTOS ARE FOR CONTRACTOR'S GENERAL INFO. ONLY  
2. CRACKS SHOWN WERE HIGHLIGHTED WITH DYE FOR EMPHASIS PURPOSE.



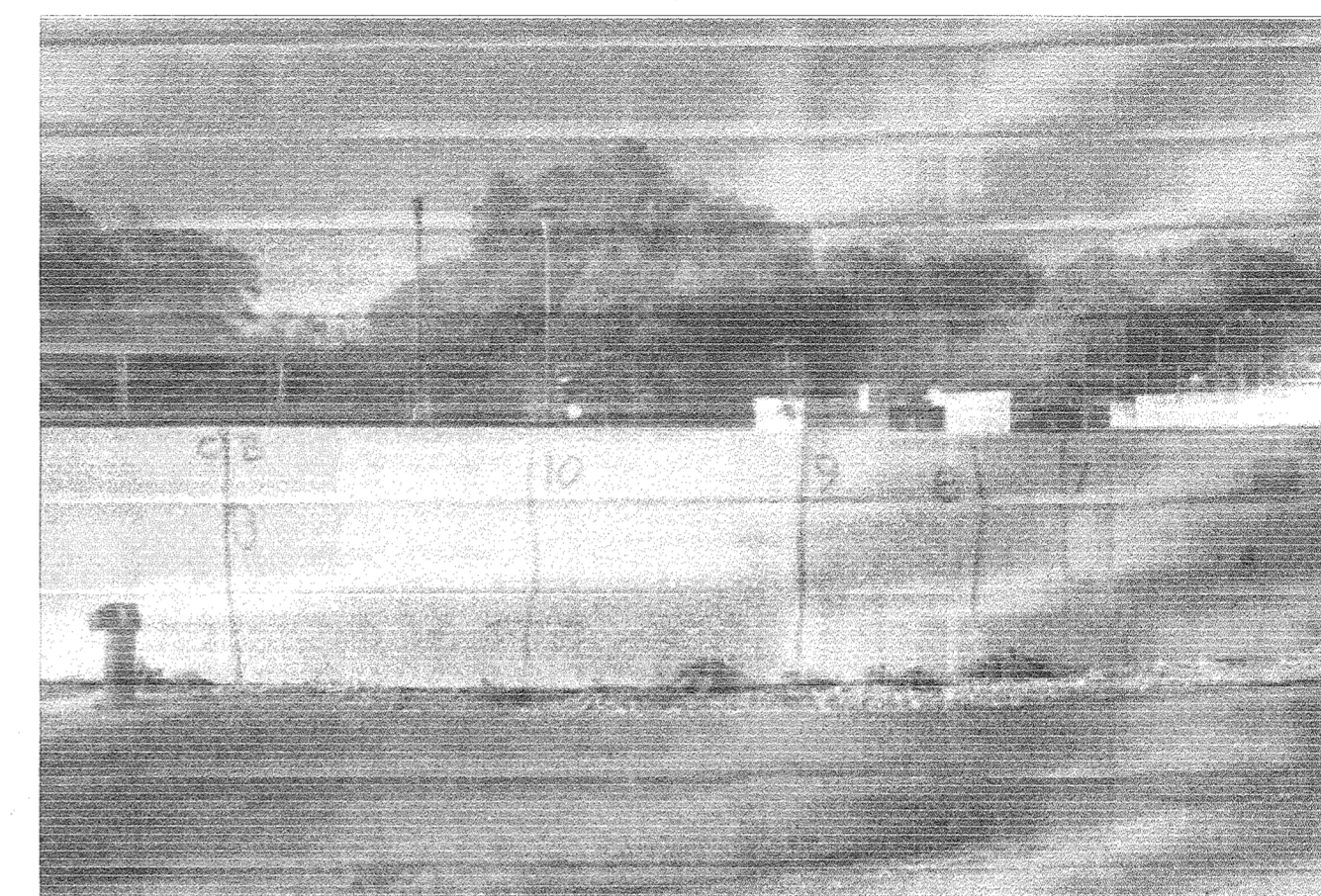
VIEW A-1



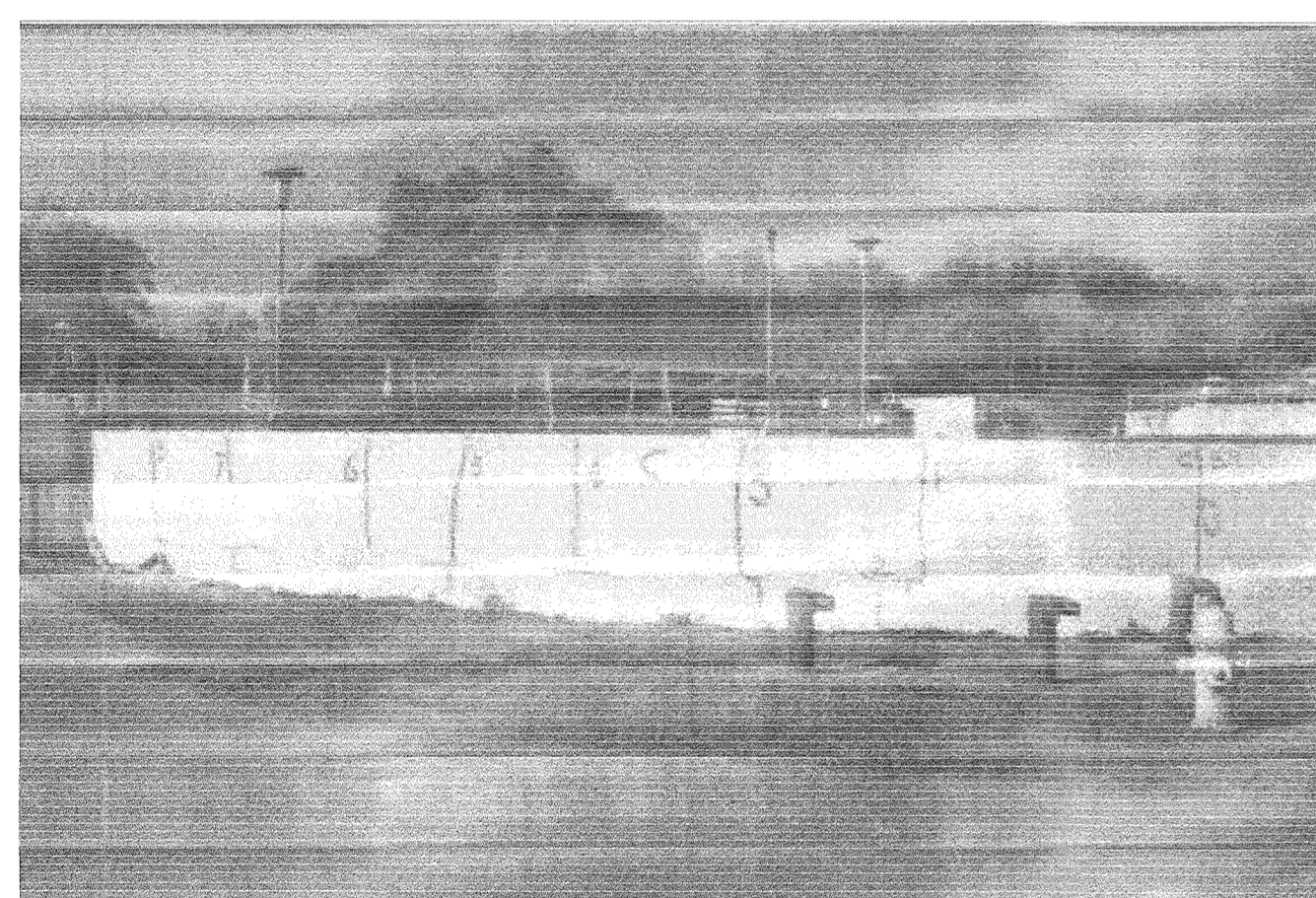
VIEW A-2



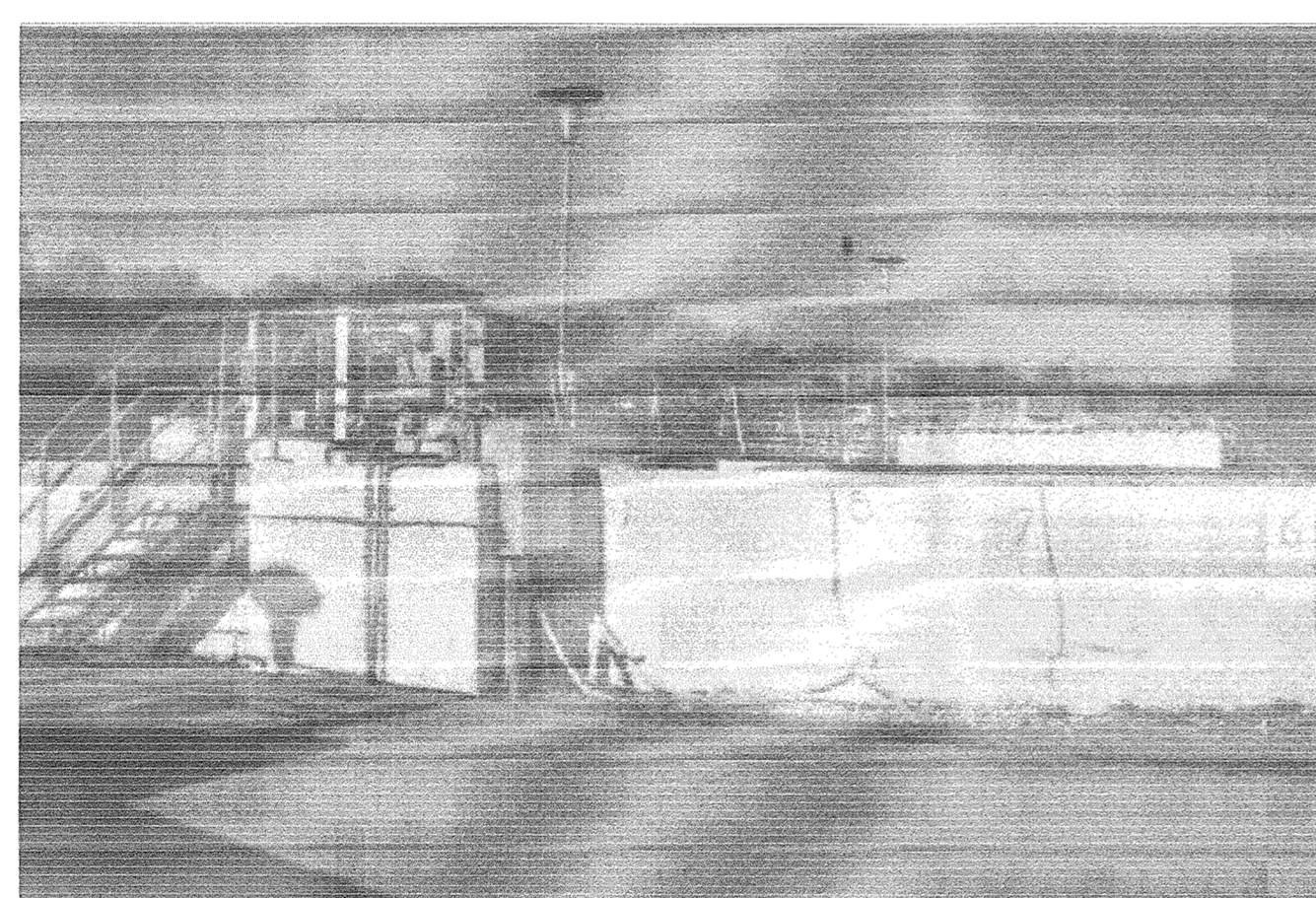
VIEW B-1



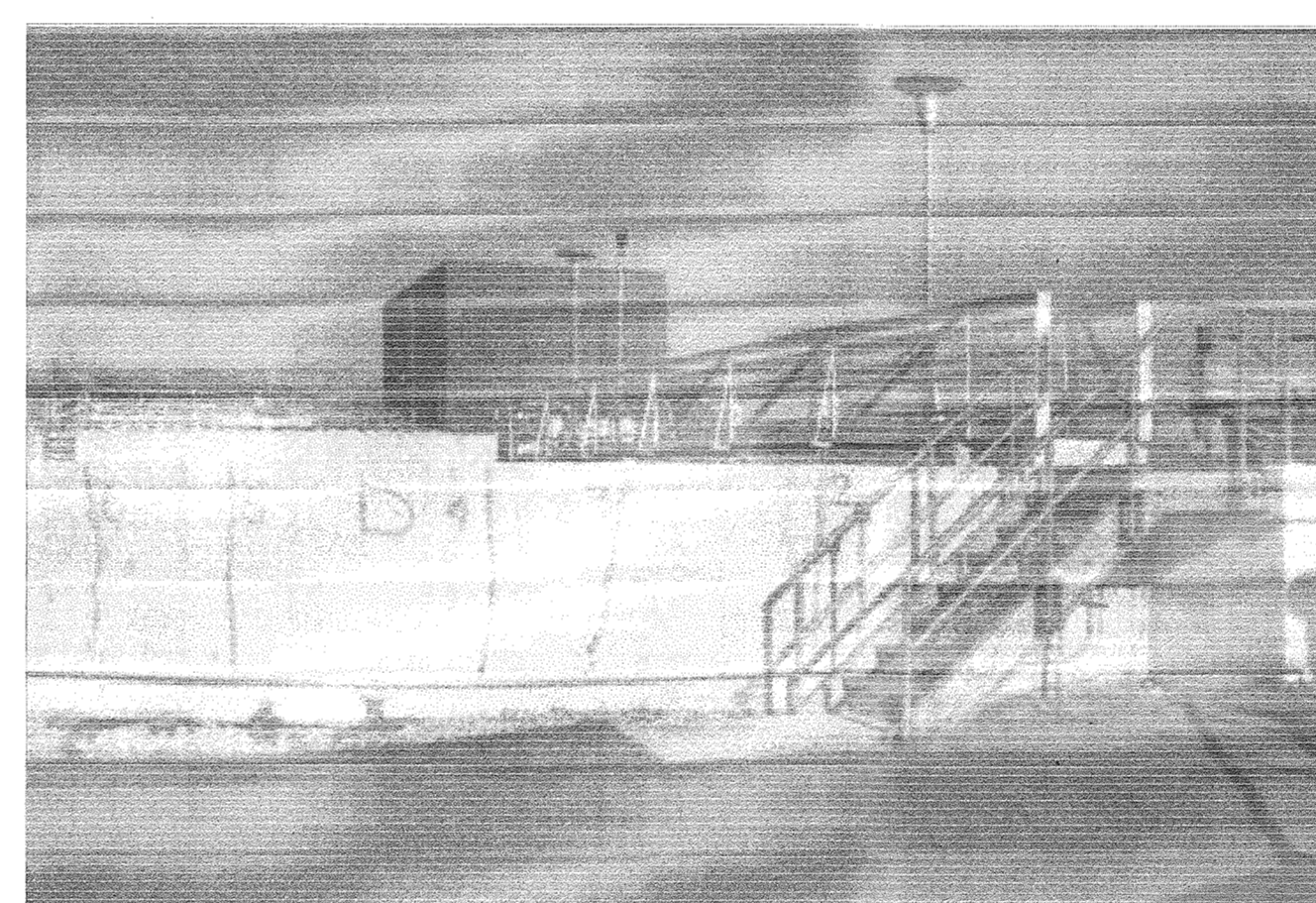
VIEW B-2



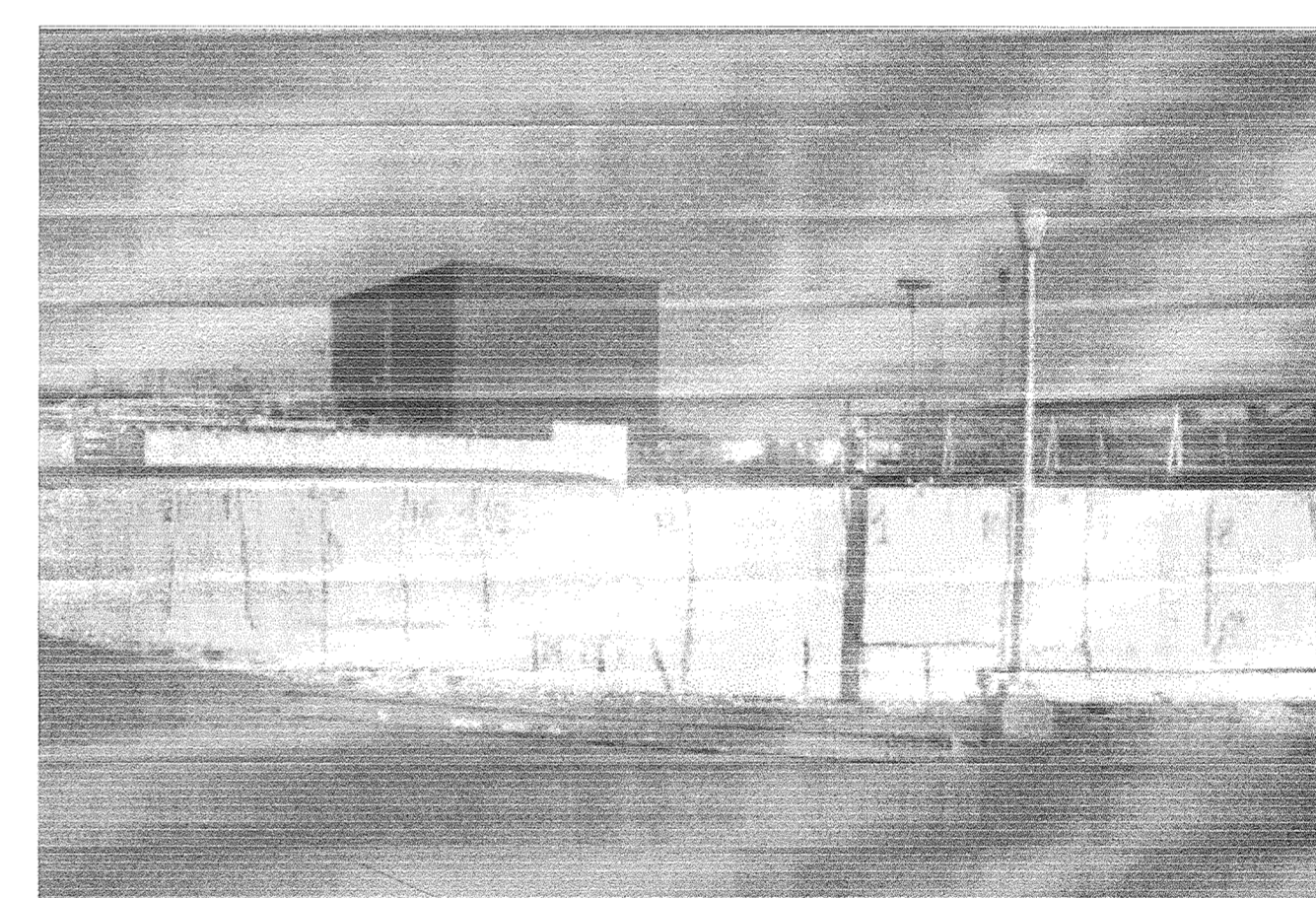
VIEW C-1



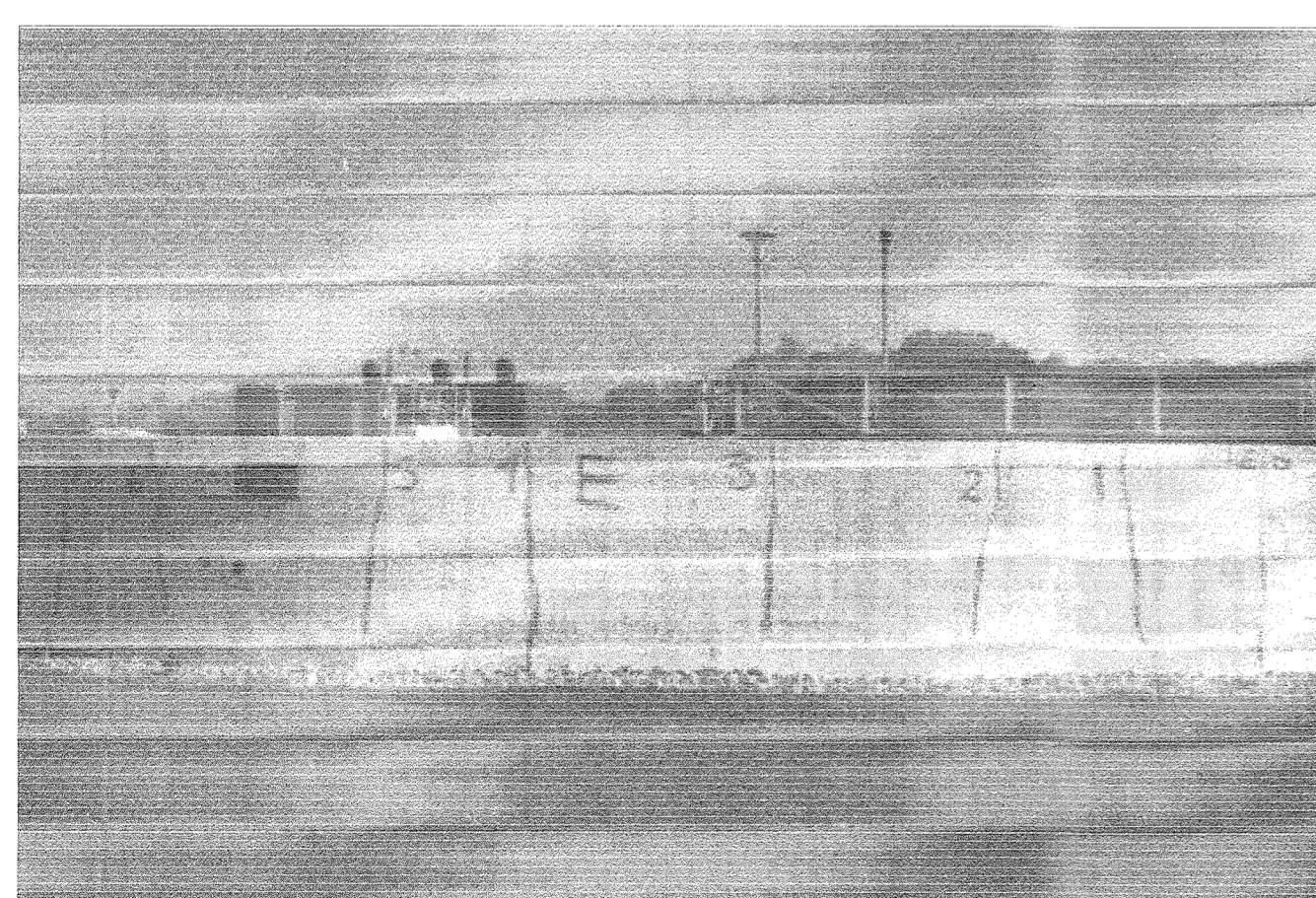
VIEW C-2



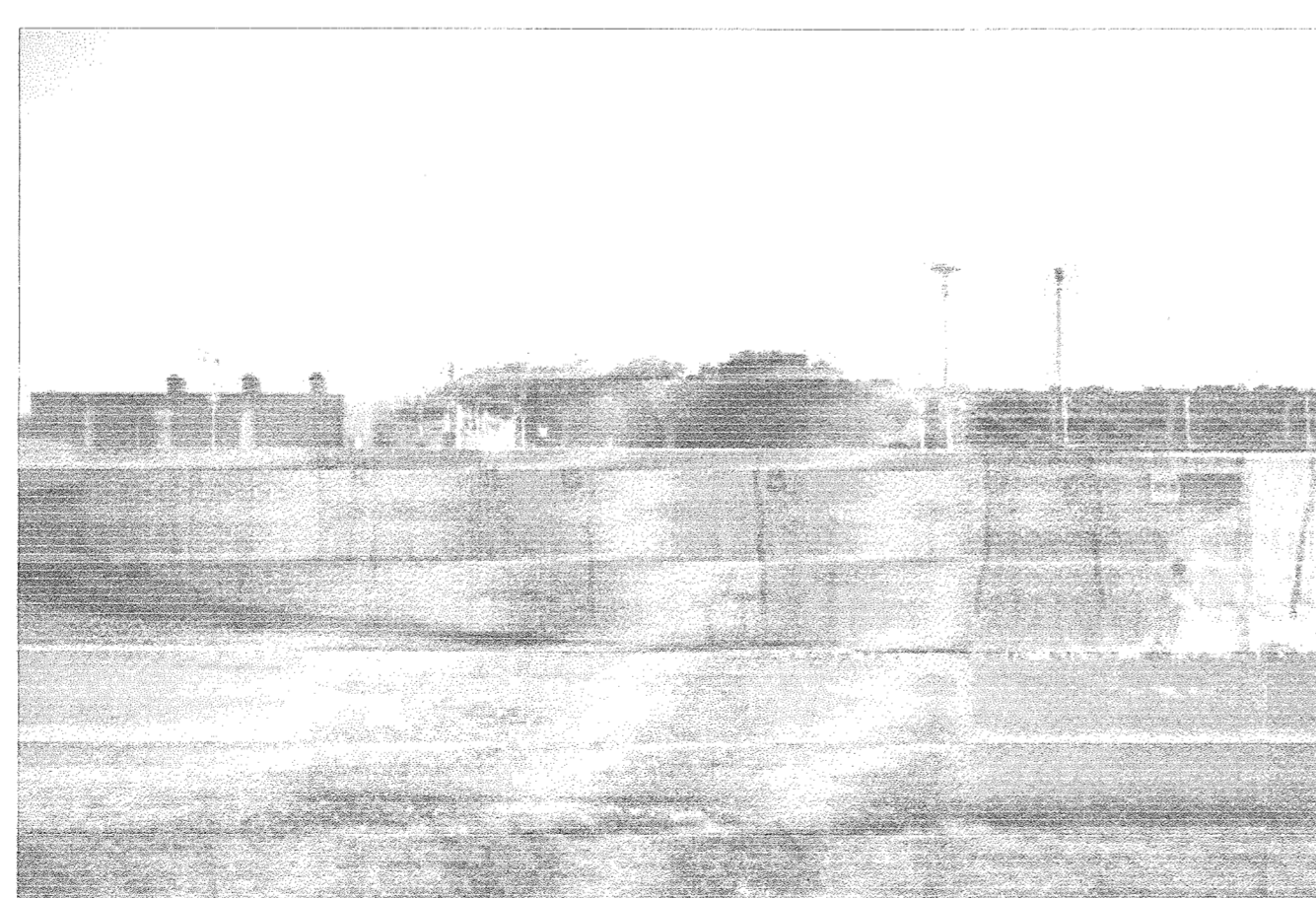
VIEW D-1



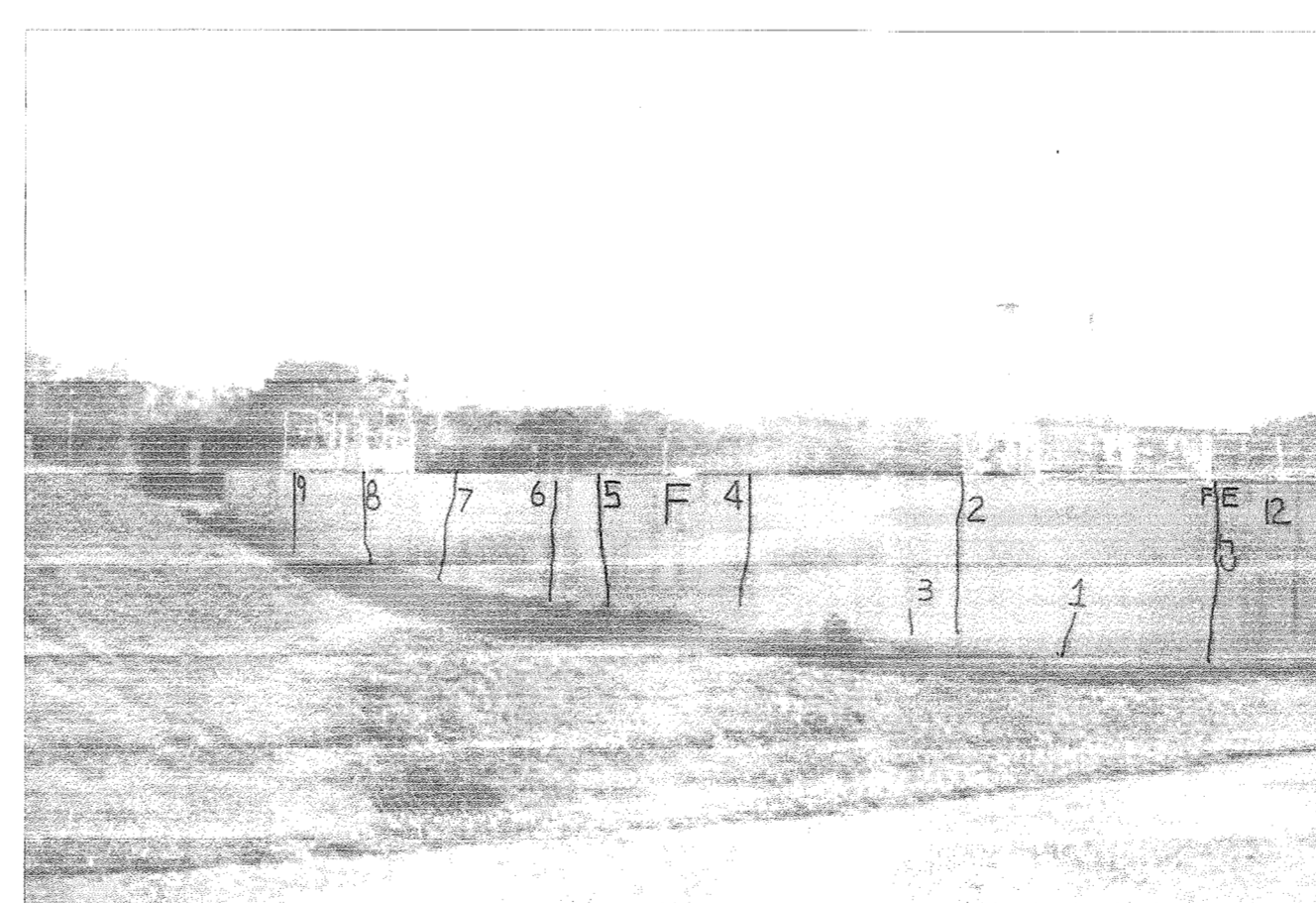
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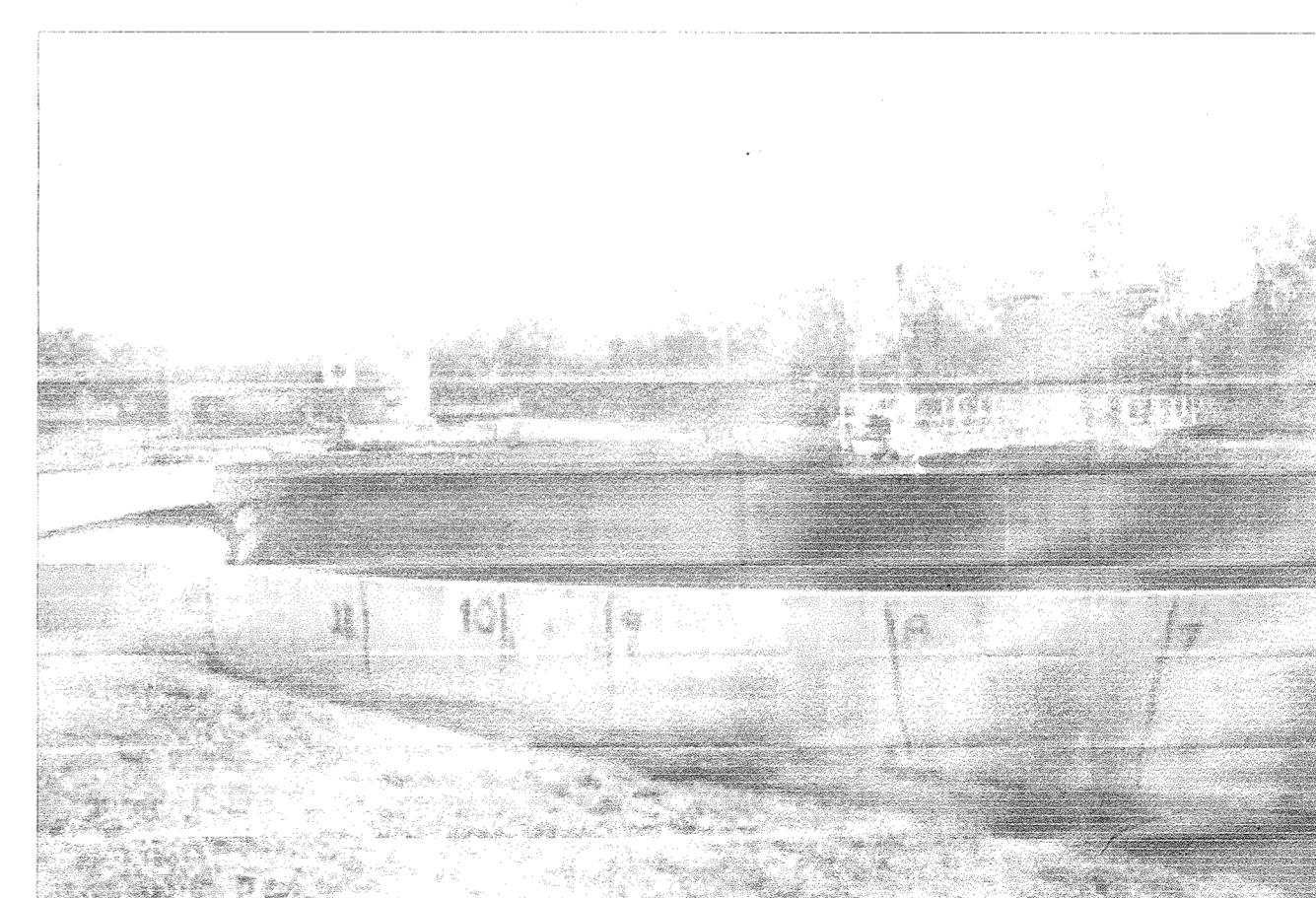
VIEW E-1



VIEW E-2



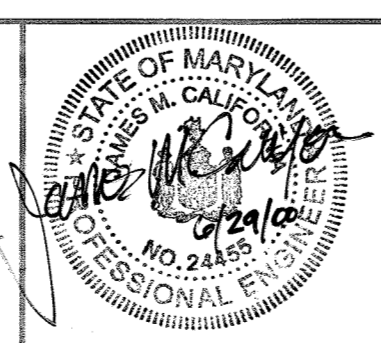
VIEW F-1



VIEW F-2

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
  
Robert M. Bainger 7-6-02  
CHIEF, BUREAU OF UTILITIES

**bh**  
**BUCHART HORN, INC.**  
3000 CHESTNUT AVENUE  
BALTIMORE, MD 21201  
Engineers, Architects and Planners



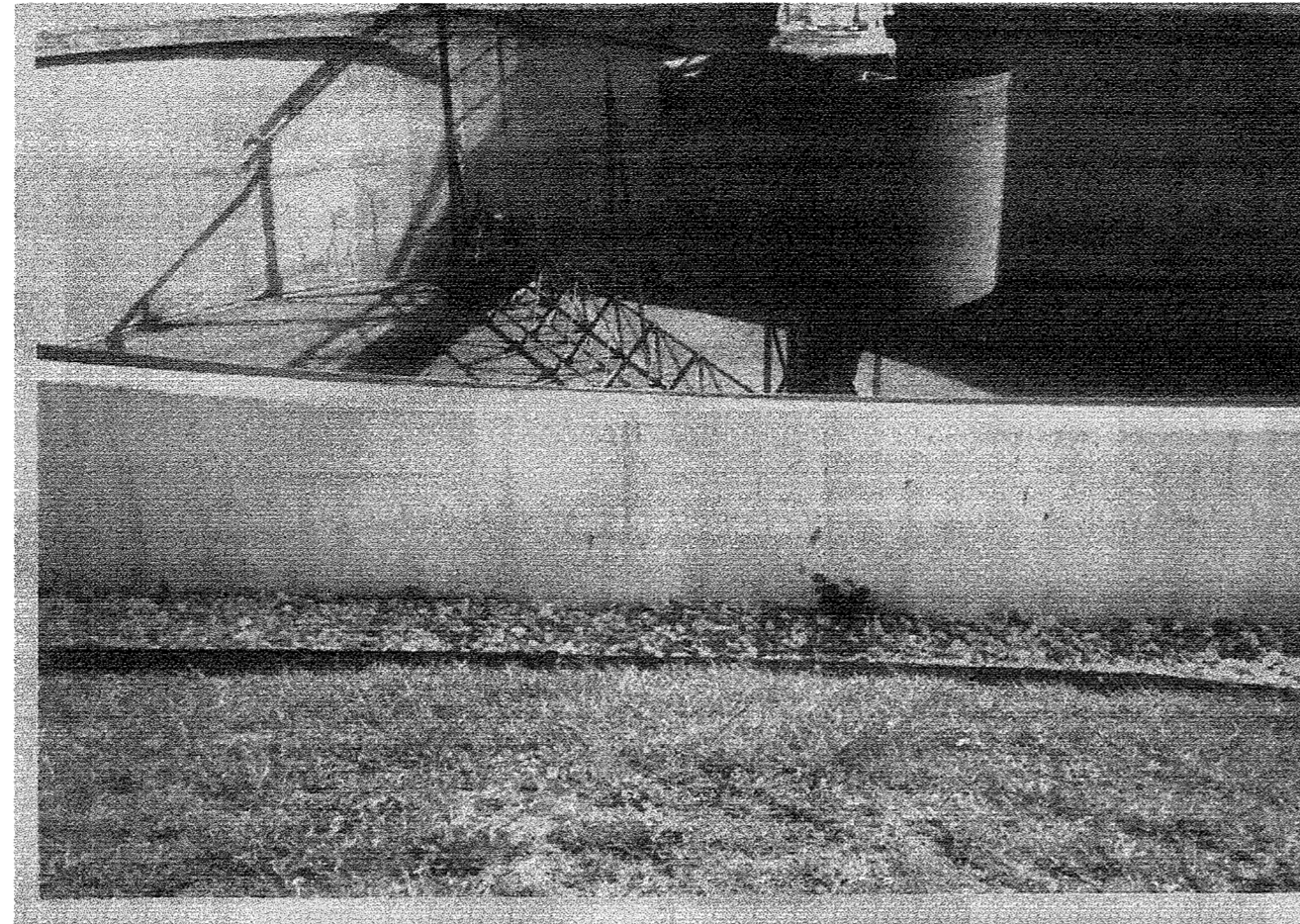
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DRN:	BB
CHK:	HG
DATE:	5/11/00
BY:	NO.
REVISION:	
DATE:	

PC-3 PHOTOGRAPHS

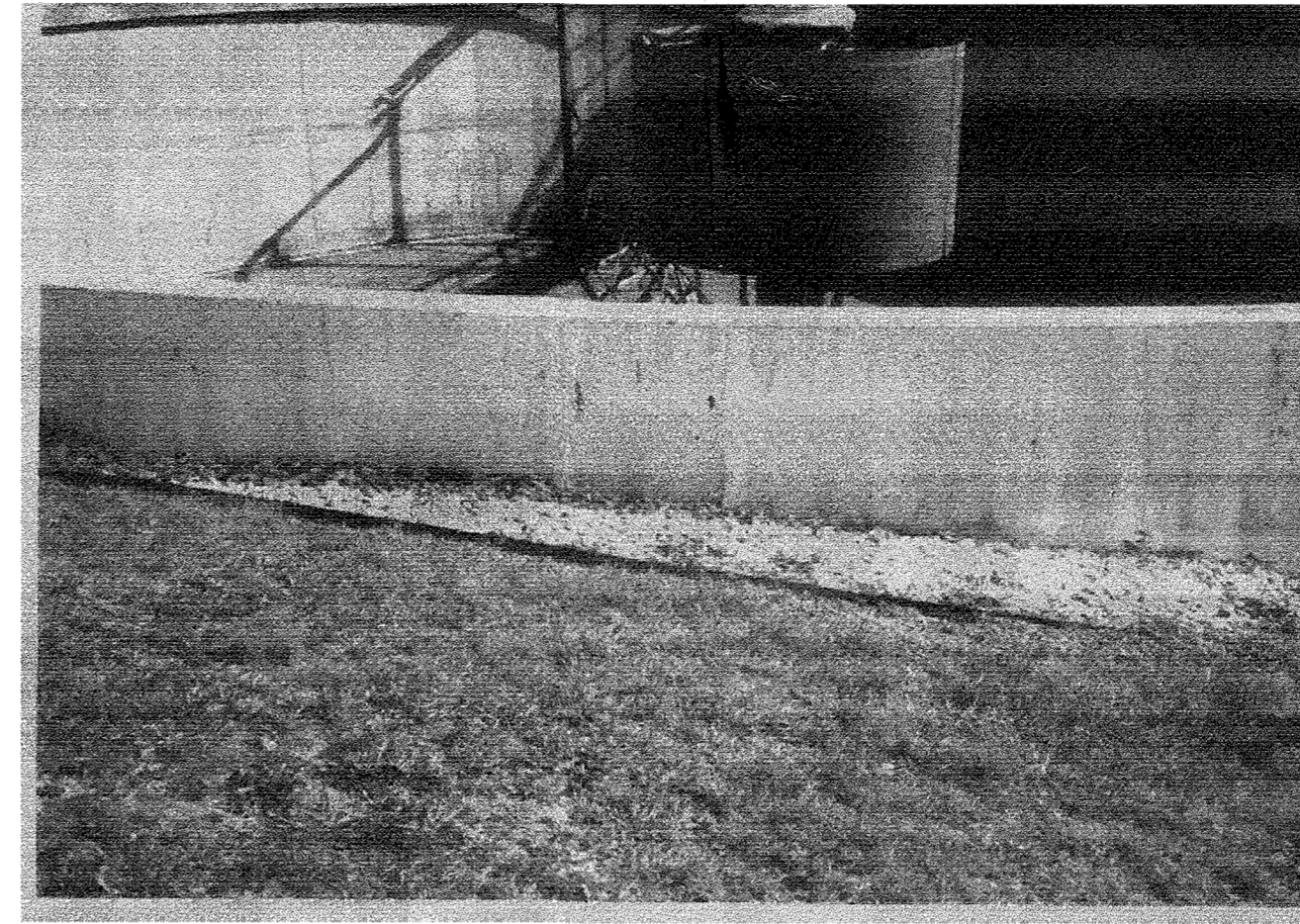
LITTLE PATUXENT WATER RECLAMATION PLANT  
STRUCTURAL IMPROVEMENTS  
CAPITAL PROJECT NO. S-6223  
CONTRACT NO. 20-3843  
ELECTION DISTRICT NO. 6  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 11 OF 14  
S-9

FILE: g:\09\71805\02\_desig\structural\w\lms\pc3\02.s9.dgn  
DATE: 15-May-00 2:55





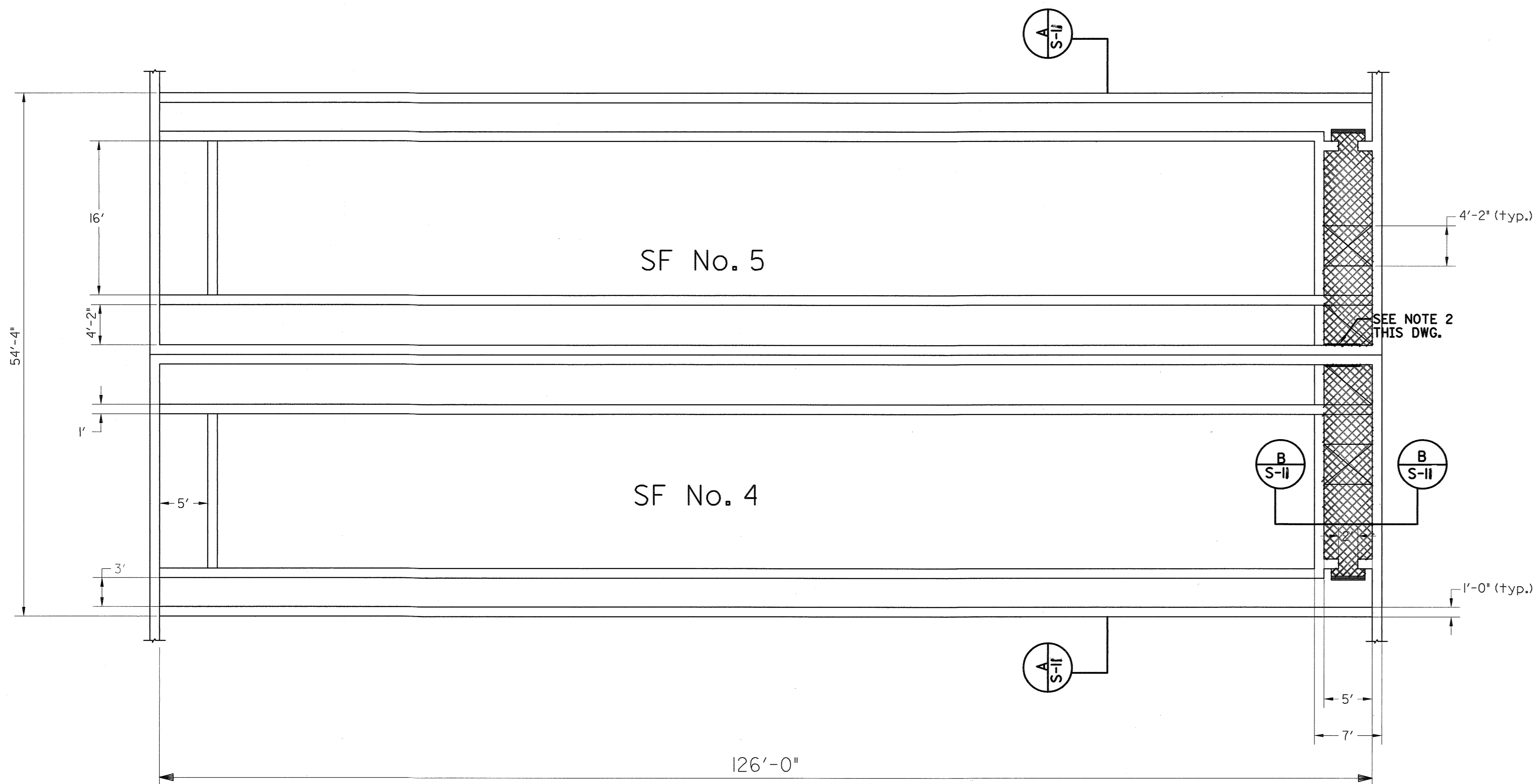
PC-3 (INTERIOR)



PC-3 (INTERIOR)

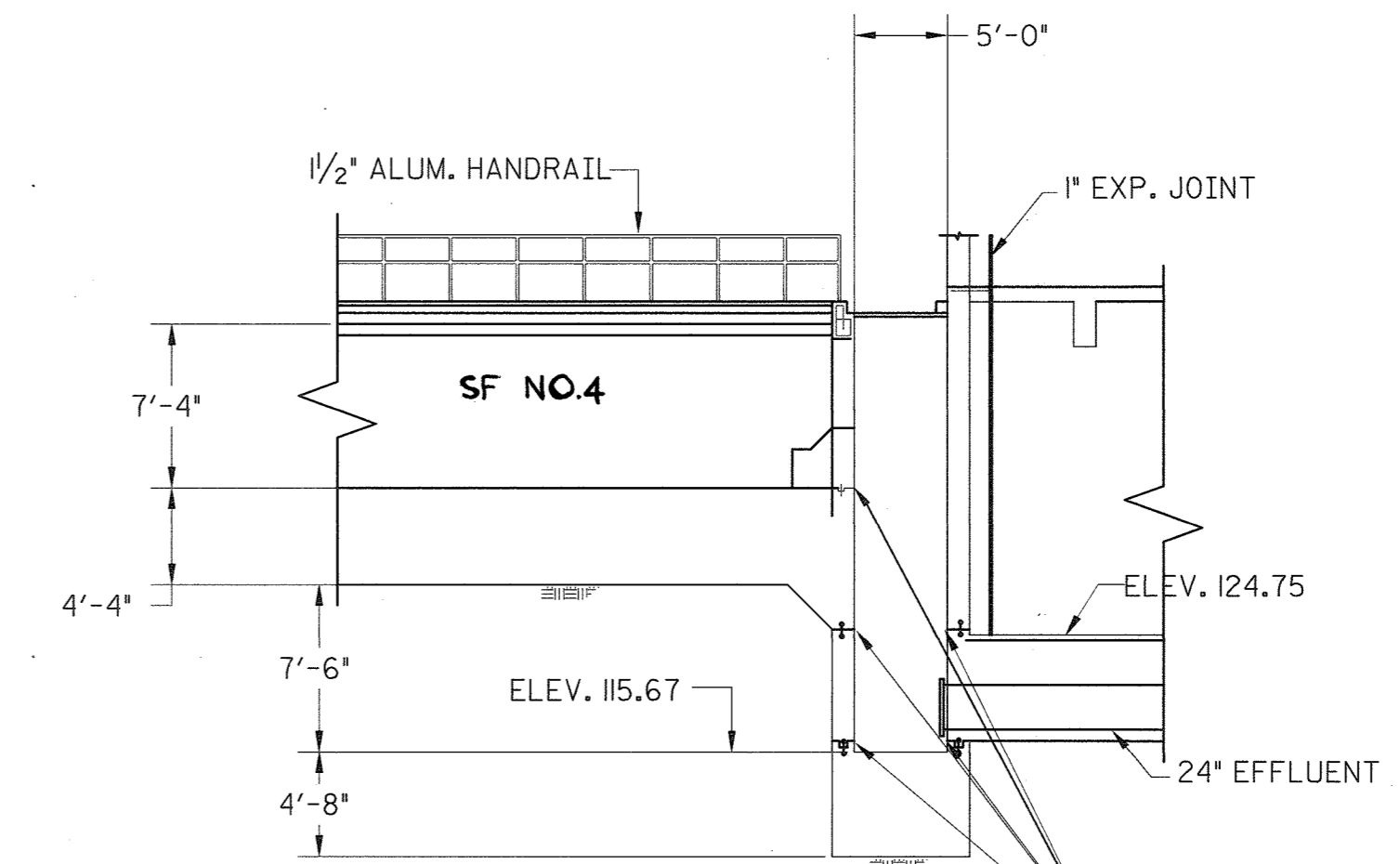
NOTE: PHOTOS ARE FOR CONTRACTOR'S GENERAL INFO. ONLY.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND	 <b>BUCHART HORNING</b> 3000 CHESTNUT AVENUE SUITE 400 BALTIMORE, MD 21211 Engineers, Architects and Planners		DES: DRN: BB CHK: HG DATE: 5/11/00	<table border="1"> <thead> <tr> <th>BY</th> <th>NO.</th> <th>REVISION</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	BY	NO.	REVISION	DATE																	PC - 3 PHOTOGRAPHS	LITTLE PATUXENT WATER RECLAMATION PLANT STRUCTURAL IMPROVEMENTS CAPITAL PROJECT NO. S-6223 CONTRACT NO. 20-3843 ELECTION DISTRICT NO. 6 HOWARD COUNTY, MARYLAND	SCALE AS SHOWN SHEET 12 OF 14 <b>S-10</b>
BY	NO.	REVISION	DATE																								



PLAN - SAND FILTER NO. 4 AND SAND FILTER NO. 5

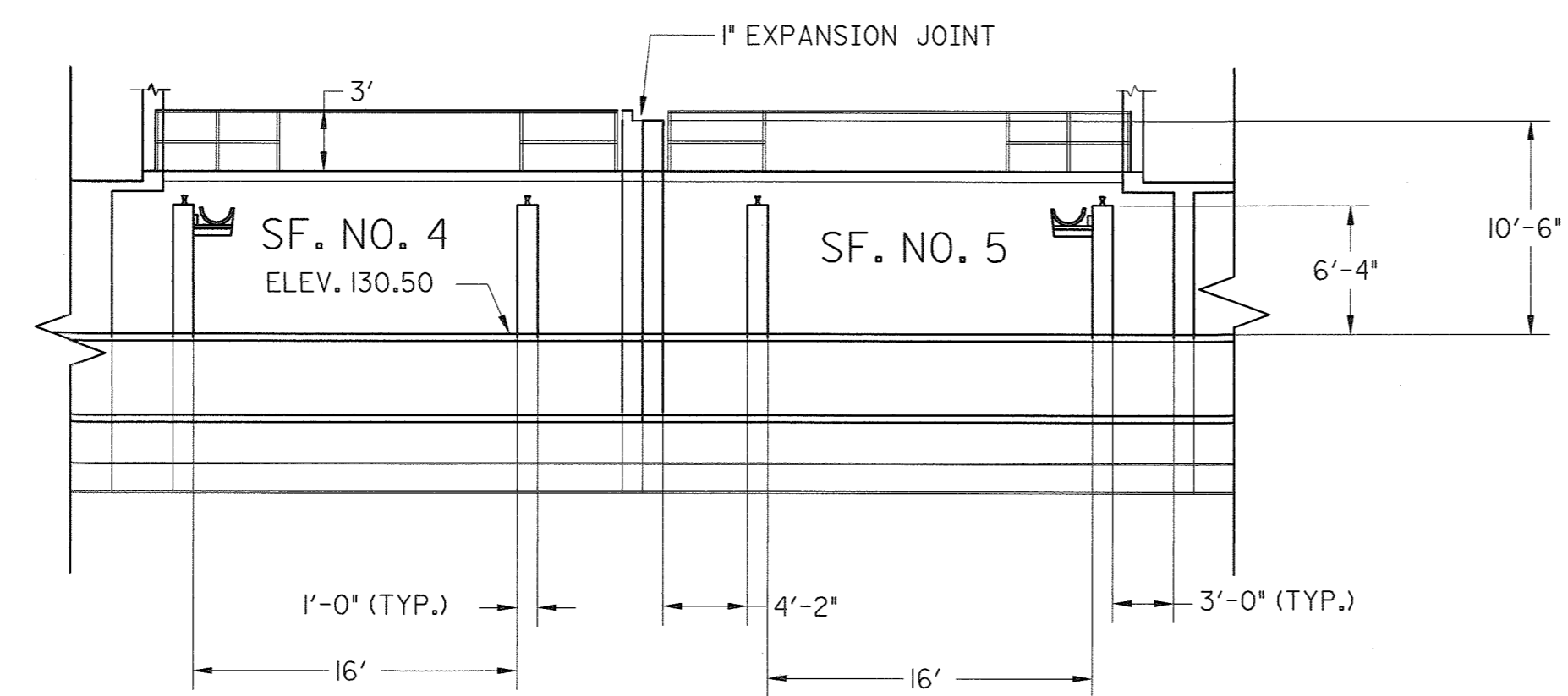
N.T.S.



B-B SECTION

N.T.S.

CONTRACTOR SHALL REPAIR FULL LENGTH OF HORIZONTAL CONSTRUCTION JOINTS AS PER SPECIFICATIONS. CONSTRUCTION JOINT AT ELEV. 124.75 AT COMMON WALL BETWEEN SAND FILTER #4 EFFLUENT PIT AND FLOCCULATION BASIN #4 EFFLUENT PIT SHALL BE REPAIRED ON BOTH SIDES OF THE COMMON WALL. ALL OTHER HORIZONTAL JOINTS SHALL BE REPAIRED ALONG INSIDE FACE OF THE WALL AT THE EFFLUENT PITS FOR SF. NO. 4 & SF. NO. 5.



A-A SECTION

N.T.S.

LEGEND

LIMIT OF WORK UNDER THIS CONTRACT

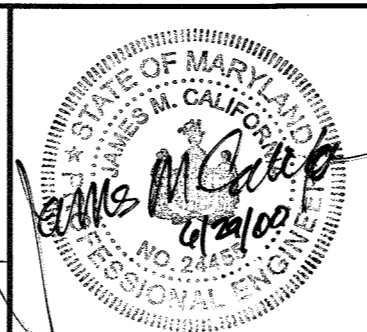
NOTES:

1. REINFORCING IS NOT SHOWN FOR CLARITY.
2. REPAIR LEAKING JOINTS AND VERTICAL CRACKS, AND MINOR CRACKS ON BOTH SIDES ALONG THE COMMON WALL BETWEEN SAND FILTER NO. 4 AND SAND FILTER NO. 5 AS PER SPECIFICATIONS.
3. SEE SHEET 14 FOR PHOTOGRAPHS OF THESE TANKS.

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Robert M. Bevinger* 7-6-00  
CHIEF, BUREAU OF UTILITIES

**bh**  
BUCHART  
HORN, INC.  
3000 CHESTNUT AVENUE  
SUITE 400  
BALTIMORE, MD 21211  
Engineers, Architects and Planners

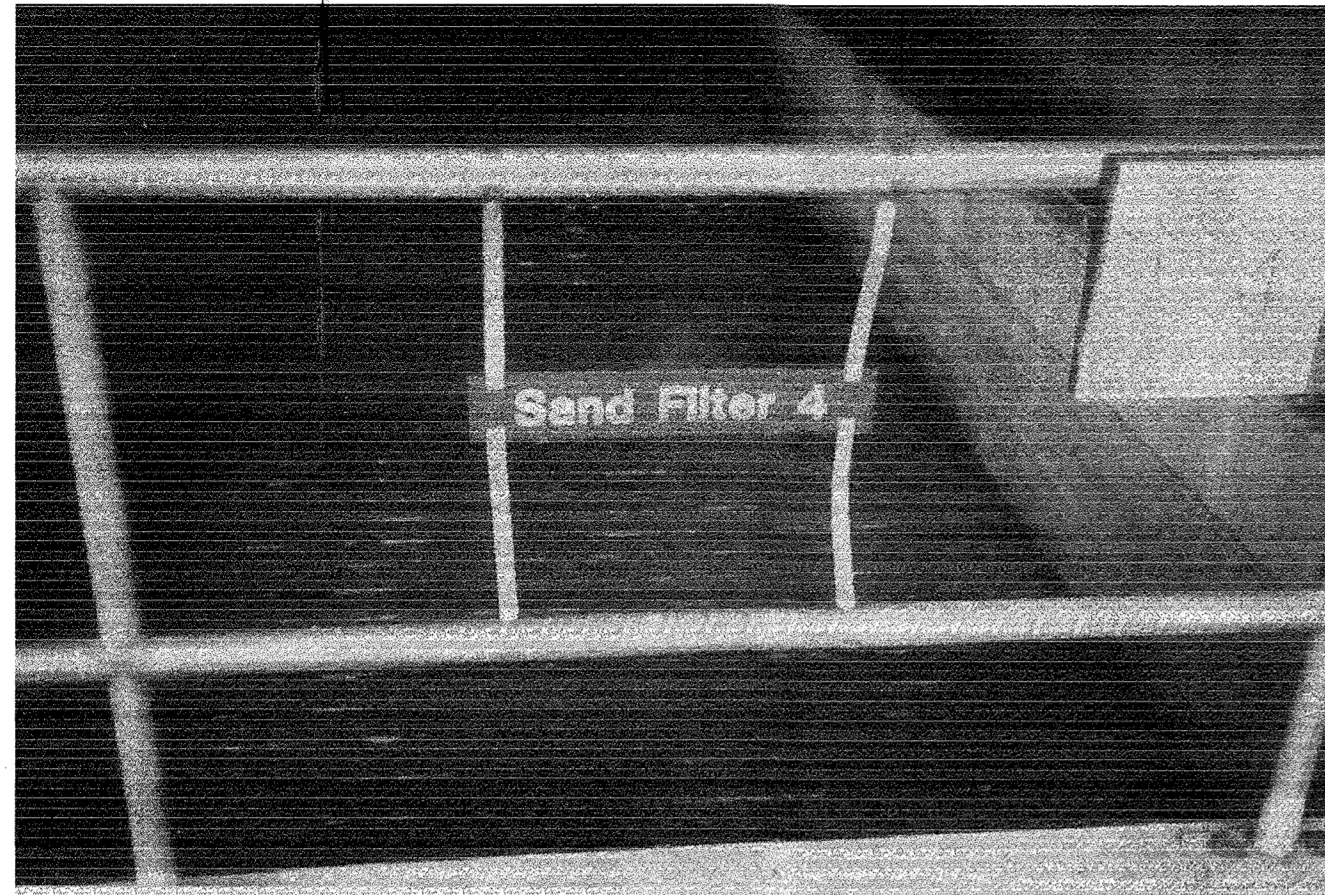


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DRN:	BB				
CHK:	HG				
DATE:	5/1/00	BY	NO.	REVISION	DATE

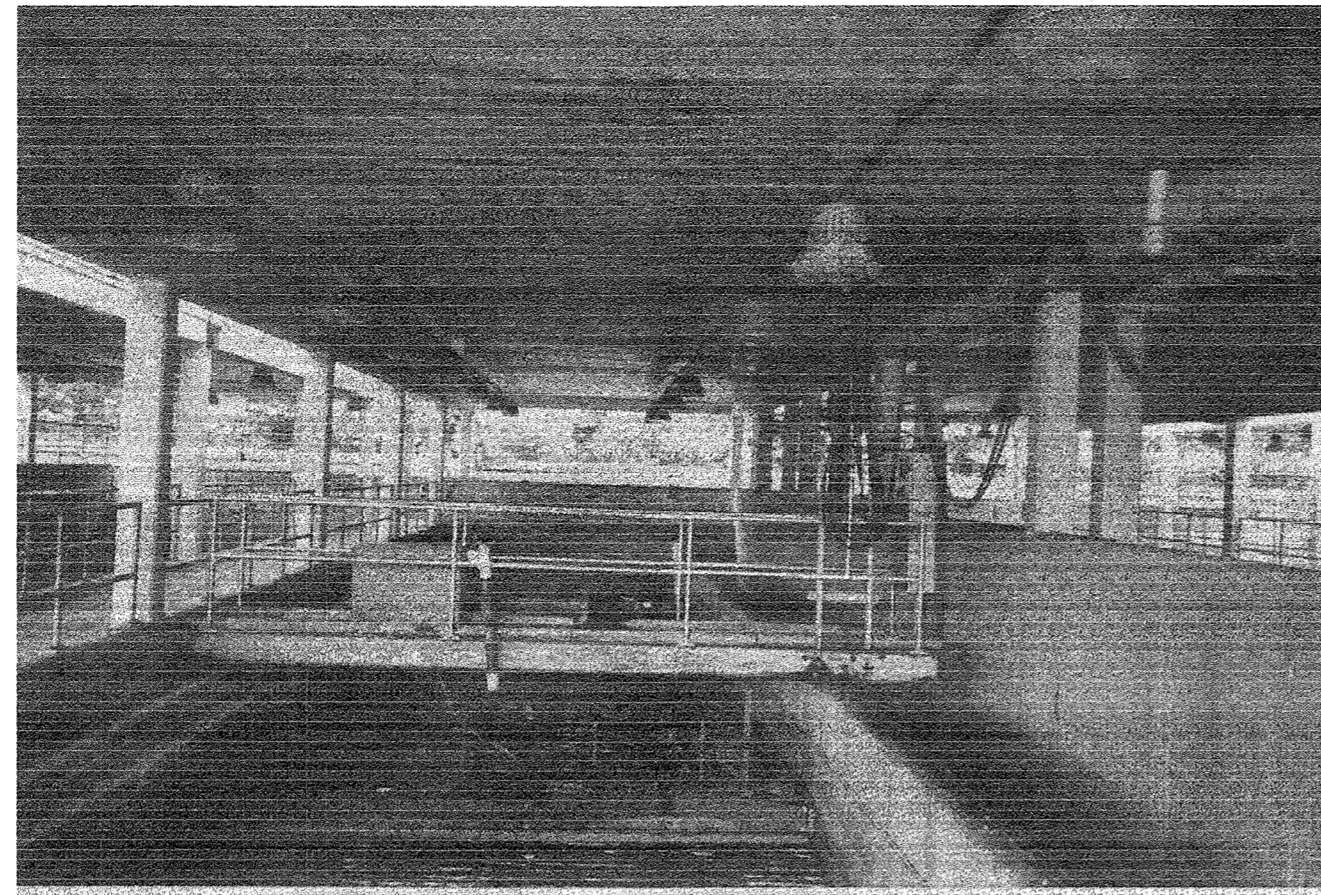
SAND FILTERS NO. 4 AND NO. 5  
PLAN, SECTIONS, AND DETAILS

LITTLE PATUXENT WATER RECLAMATION PLANT  
STRUCTURAL IMPROVEMENTS  
CAPITAL PROJECT NO. S-6223  
CONTRACT NO. 20-3843  
ELECTION DISTRICT NO. 6  
HOWARD COUNTY, MARYLAND

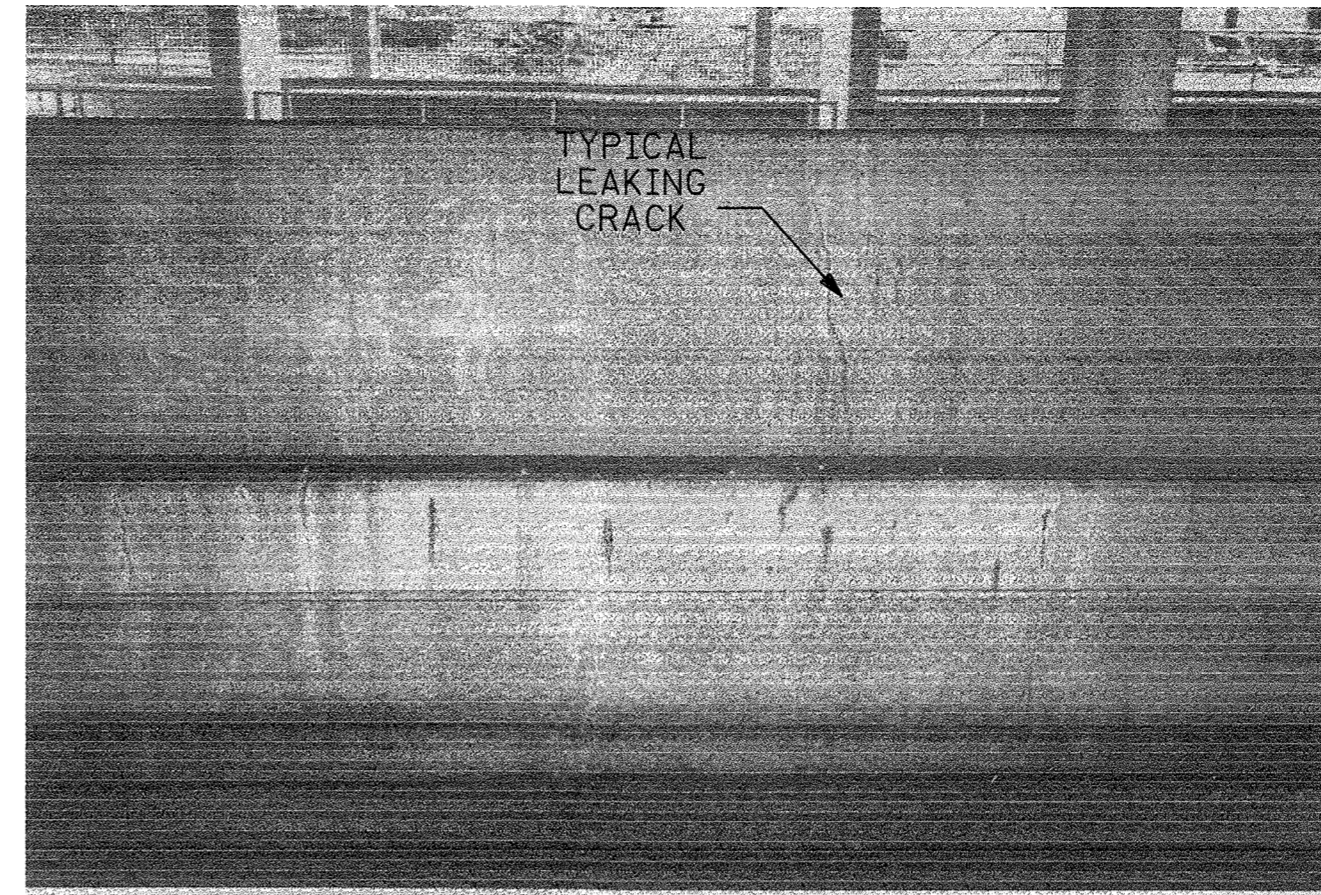
SCALE AS SHOWN  
SHEET 13 OF 14  
S-II



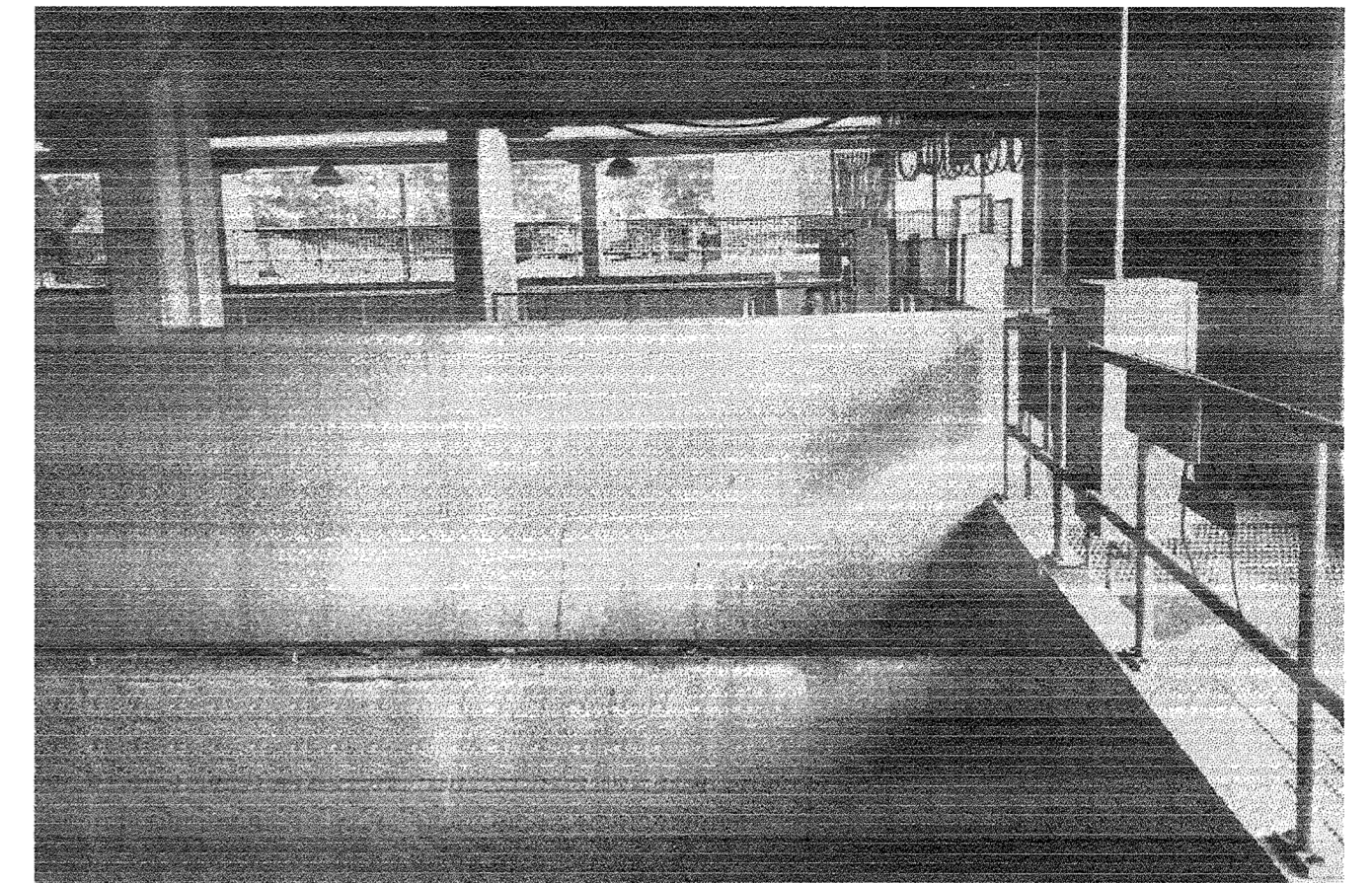
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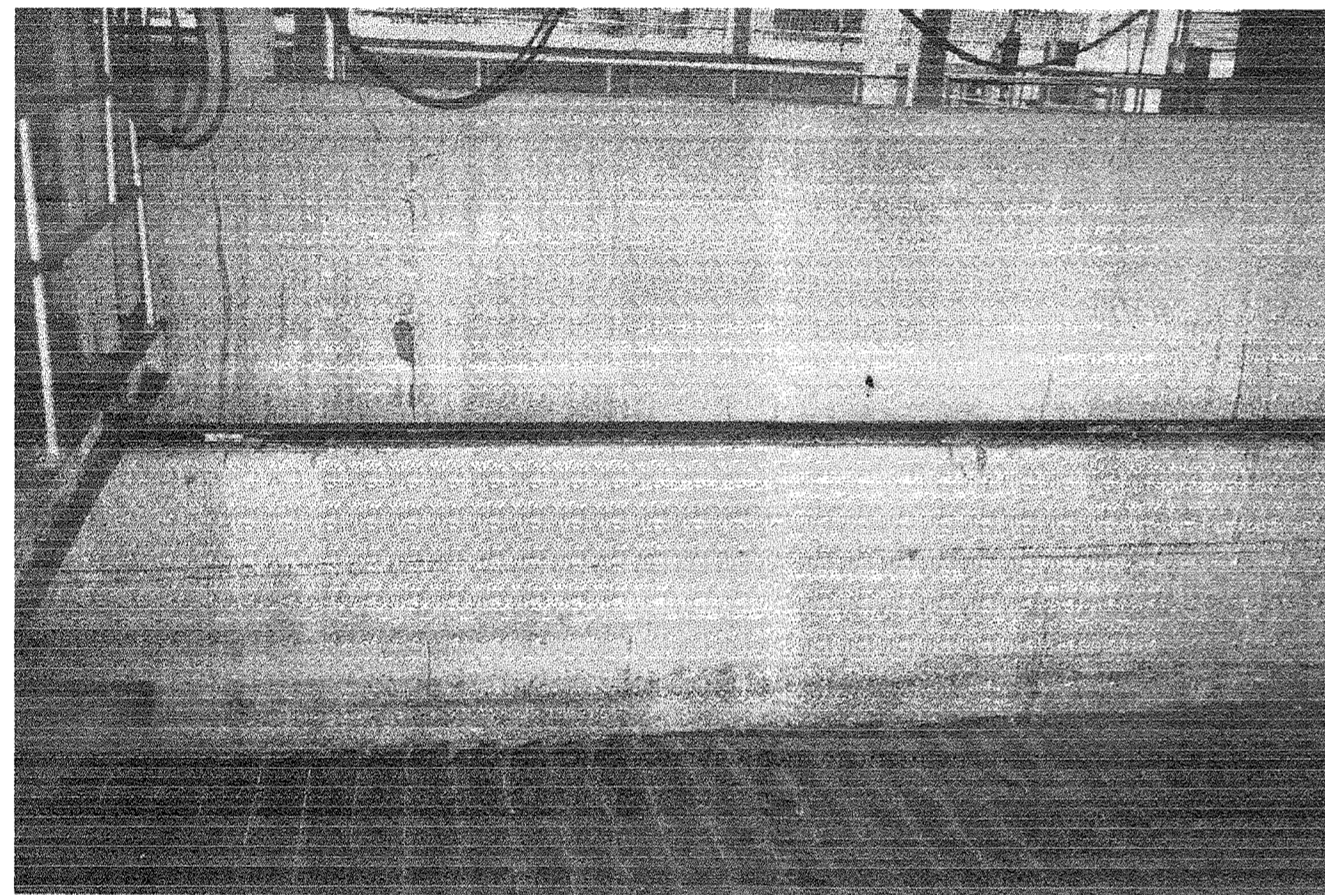
SF-4



SF-4



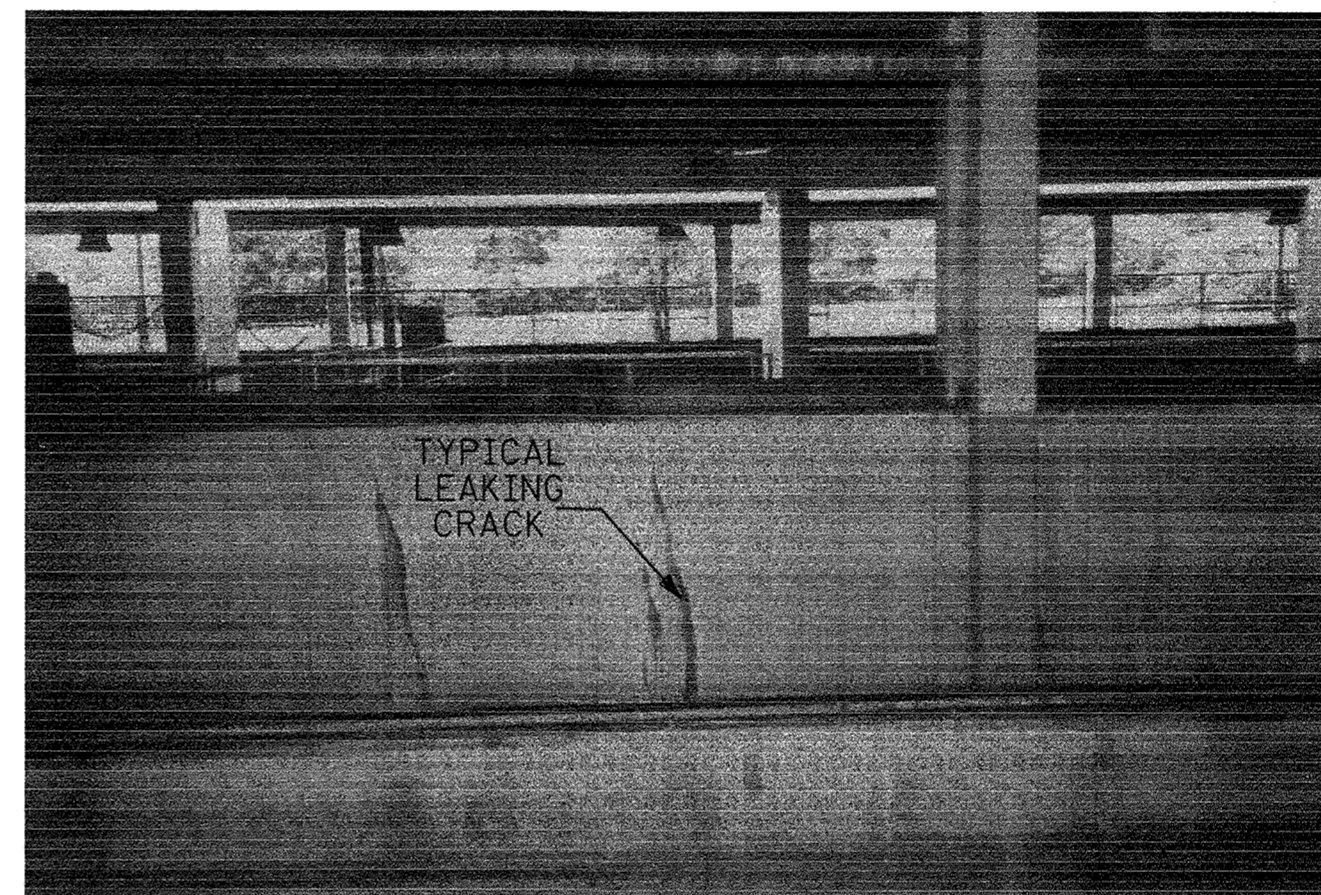
SF-4



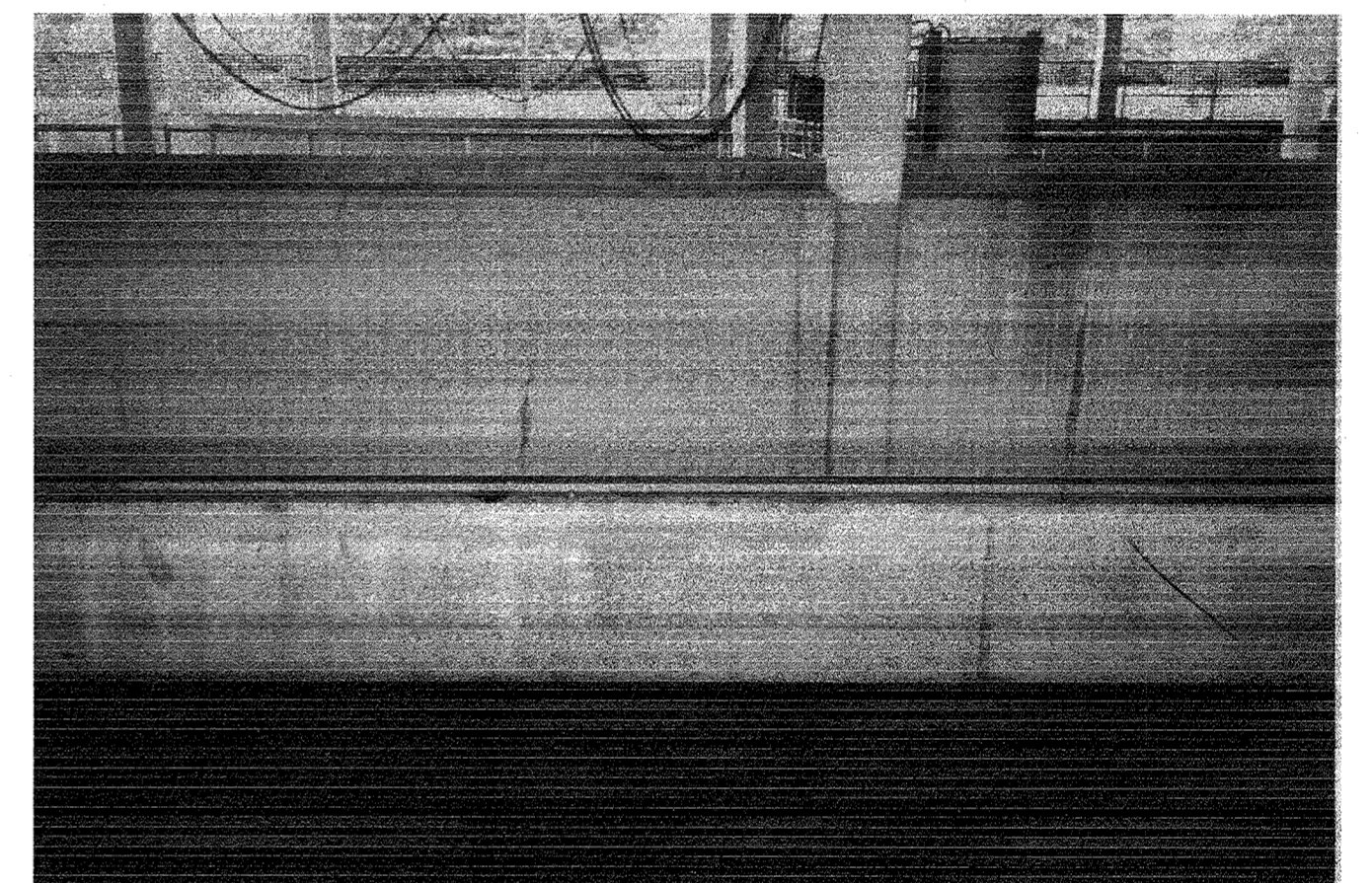
SF-4



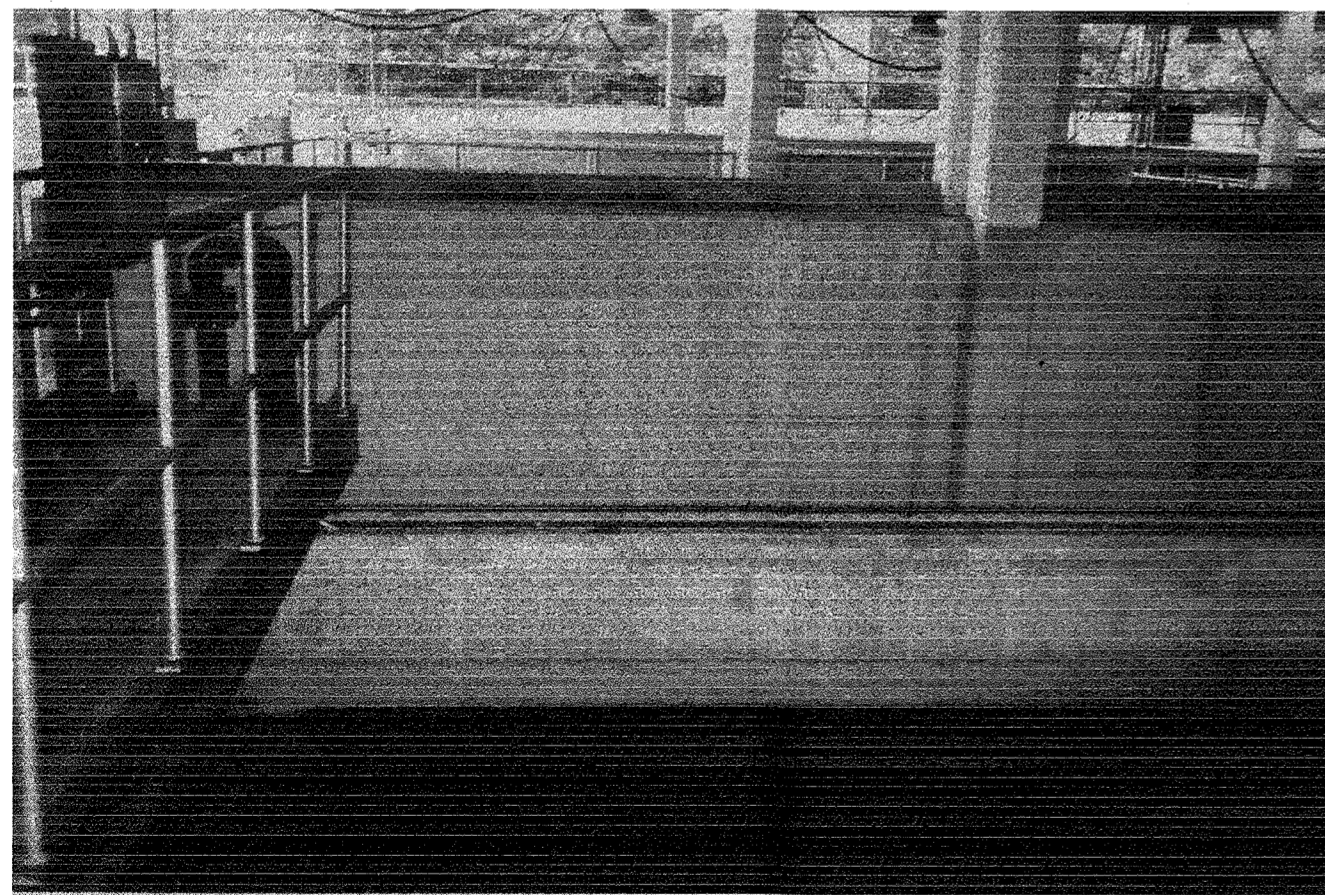
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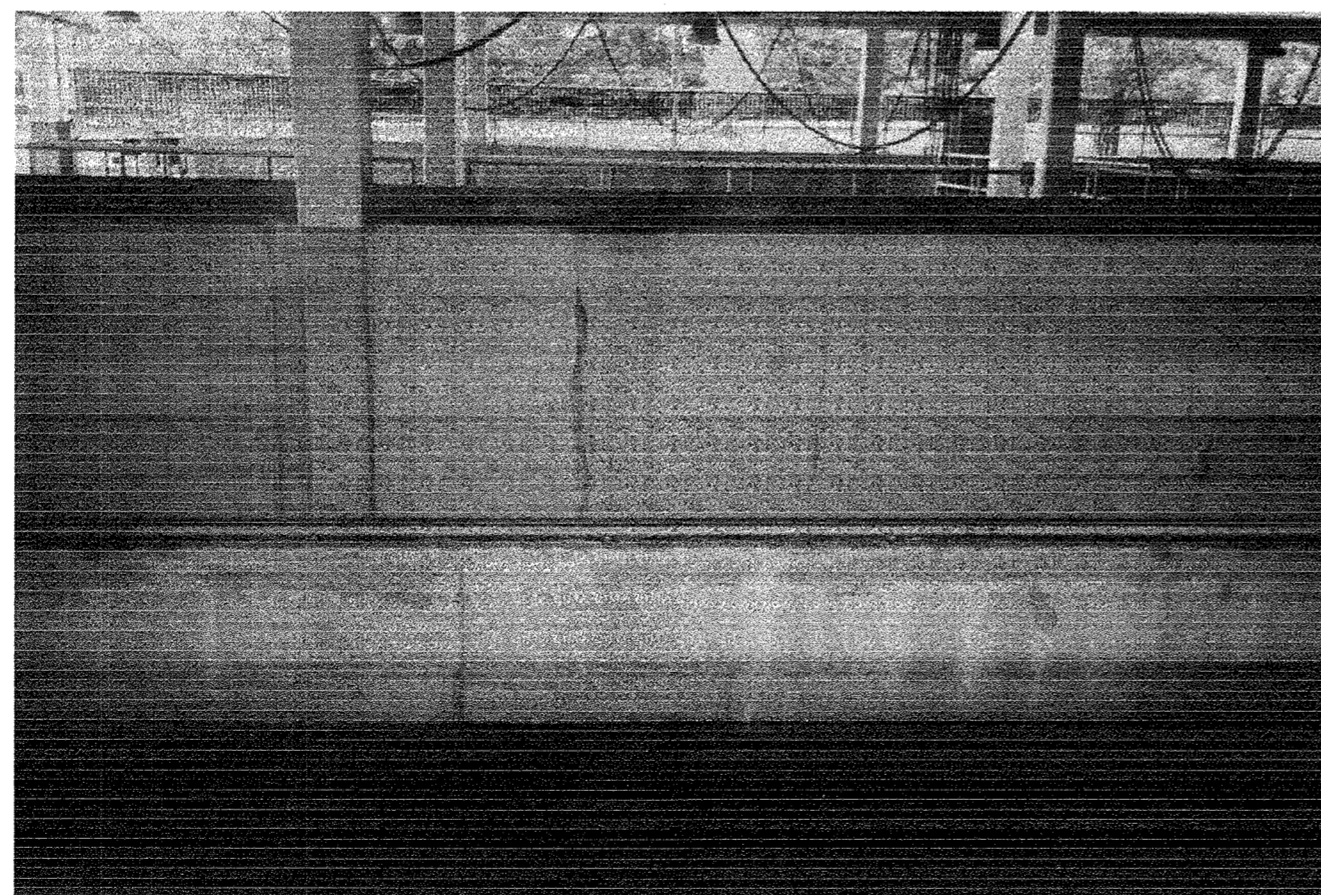
SF-5



SF-5



SF-5

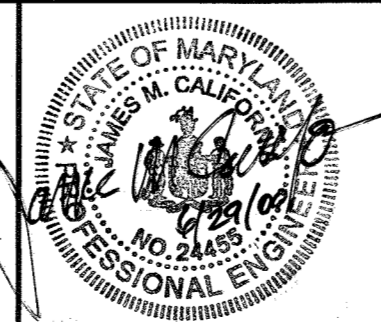


SF-5

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Robert Benjamin* 7-6-07  
CHIEF, BUREAU OF UTILITIES DATE

**BUCHART HORN, INC.**  
3000 CHESTNUT AVENUE  
SUITE 501  
BALTIMORE, MD 21211  
Engineers, Architects and Planners



DES:	
DRN:	BB
CHK:	HG
DATE:	5/1/00
BY	NO.
	REVISION
	DATE

SAND FILTERS NOS. 4 & 5  
PHOTOGRAPHS

LITTLE PATUXENT WATER RECLAMATION PLANT  
STRUCTURAL IMPROVEMENTS  
CAPITAL PROJECT NO. S-6223  
CONTRACT NO. 20-3843  
ELECTION DISTRICT NO. 6  
HOWARD COUNTY, MARYLAND

SCALE  
AS  
SHOWN  
SHEET  
14 OF 14  
S-12