

CHATHAM COUNTY PURCHASING DEPARTMENT

ADDENDUM NO. 2 TO BID NO.17-0009-4

FOR: HUTCHINSON ISLAND BULKHEAD REHABILITATION

PLEASE SEE THE FOLLOWING FOR ADDITIONS, CLARIFICATIONS AND/OR CHANGES:

NOTE: SEE ATTACHED SKETCH SHEETS (3 pages) from Collins Engineering

NOTE : SEE ATTACHED PLAN SHEETS : MC 8, MC 9, MC 10, MC 11, MC 12, MC 13, MC 14, MC 15.

QUESTIONS RECEIVED:

1. Is the 100 psf live load specified in the general notes the live load surcharge? *A) Yes.*
2. Is there a barrier load that needs to be considered? *A) Yes, there is a handrail system at the top of the bulkhead. The load the handrail is required to resist is 50 lbs/LF and a concentrated load of 200 lbs.*
3. Can the engineer provide the maximum service load of the tie back at the 15' spacing shown? *A) The service load on the tie backs is 50 kips on the 15' spacing.*
4. Can we get access to the existing wall plans and possibly the building plans where the foundation encroaches on the tie-back zone? *A) Please see the attached drawings of the existing conditions.*
5. In the Special Conditions of the project package, item #12 references Storm Drainage. Please provide plan and section views of where this will be located if new is required or if existing will be modified. Provide as-builts of existing if available. *A) The storm drainage special condition is a generic item used on all county projects in case storm drainage is required. It is not anticipated to be used on this project.*
6. Please provide as-builts in reference to utilities if available. *A) There are no as-built drawings available for utilities. The contractor must field verify.*
7. In the specifications for the Concrete Formwork, item #1.7 Qualifications states that the design of the formwork must be under the direct supervision of a PE licensed in the State of South Carolina. Is this a typo? *A) Yes, this should be performed under PE Licensed in Georgia.*

8. Please provide a typical section of a front view at the sea wall showing extents of channel whaler. Is the channel whaler continuous? If continuous, please provide splice details. ***A) Channel Whaler is continuous. See attached sketch for splice.***
9. Please provide welding details for steel fabrication. ***A) See attached sketch.***
10. Please provide elevation and quantity of existing weep holes. ***A) Field Verify.***
11. Please provide more information on the 6"x6" Stainless Steel Mesh – extents, location, attachment locations/detail/quantity. ***A) See attached Sketch.***
12. Drawing G-1 Structural Steel note 5 states that the tie-rods should be coal tar epoxied. If the rods and hardware are pre-coated, these will be damaged during installation. Is there any other acceptable method or coating (HDG) that can be used in place of coal tar epoxy? ***A) No, coal tar epoxy is required. Provide touch up paint for areas damaged.***
13. Please provide specifications for installation and tensioning requirements for tie-rods. Please provide a specified time of when contractor is allowed to begin tensioning tie-rods on 7 day cured grade beam. ***A) Tie rods are to be snug tightened after 7 days of concrete grade beam cure.***
14. Will there be a line item added to address demolition of existing planters, stairs, or anything that is in the pathway of proposed grade beam? ***A) No line item will be added for the removal of these items. The grade beam will be field adjusted to avoid if necessary.***
15. Is the 100 psf live load specified in the general notes the live load surcharge? ***A) Yes.***
16. Is there a barrier load that needs to be considered? ***A) Yes, there is a handrail system at the top of the bulkhead. The load the handrail is required to resist is 50 lbs/LF and a concentrated load of 200 lbs.***
17. Can the engineer provide the maximum service load of the tie back at the 15' spacing shown? ***A) The service load on the tie backs is 50 kips on the 15' spacing.***
18. Can we get access to the existing wall plans and possibly the building plans where the foundation encroaches on the tie-back zone? ***A) Please see the attached drawings of the existing conditions.***
19. Are the brick pavers to be reused or are they to be new? ***A) Reuse the pavers and removed material if possible. With the inclusion of additional material to serve as a filter barrier(not currently installed), the county is hoping that the material can be reused without the cost of haul out / haul in.***

Revisions to responses to Questions listed on Addendum 1:

1. How is Item 2 (Excavation) measured and paid? Is it a determined quantity? Meaning if we excavate 4000CY, do we only get paid 3400CY or is it actual surveyed cubic yards?

I didn't see a spec section in the ITB or any measure and payment notes in the plans.

A) Provide unit price and pay will be based on actual surveyed quantity.

2. How is Item 9 (Replace excavated material and compact) measured and paid? Is it a determined quantity? Meaning if we backfill 4000CY, do we only get paid 3400CY or is it actual surveyed cubic yards? I didn't see a spec section in the ITB or any measure and payment notes in the plans.

A) Provide unit price and pay will be based on actual surveyed quantity.

3. How is Item 10 (Remove and Replace Brick Pavers) measured and paid? Are we paid a neat line square footage (i.e. length of bulkhead X distance from bulkhead to backside of the grade beam) or are we paid actual SF needed to build the job? I didn't see a spec section in the ITB or any measure and payment notes in the plans.

A) Provide unit price and pay will be based on actual surveyed quantity.

BID OPENING REMAINS:

2:00 PM, WEDNESDAY, MARCH 8, 2017

3/3/17

DATE



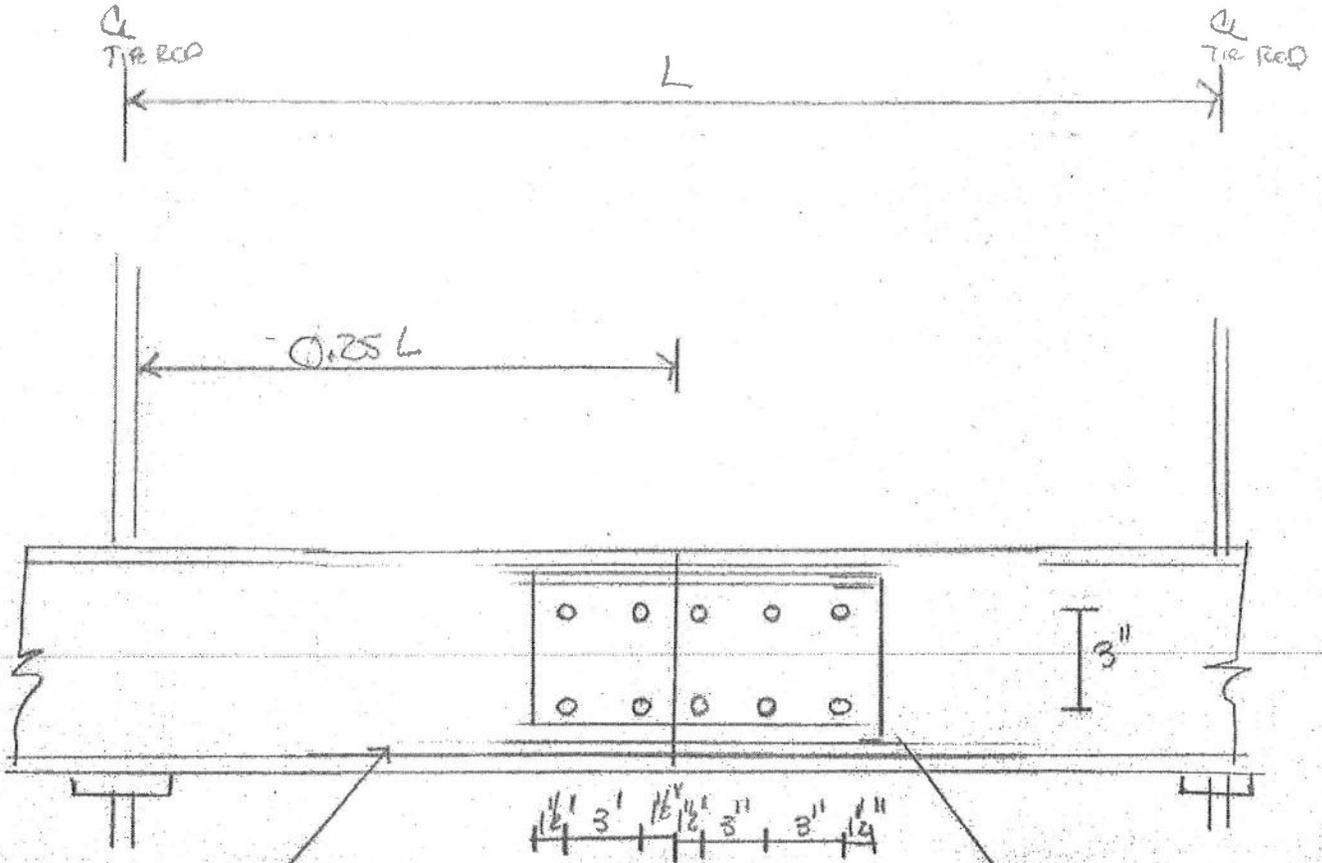
ROBERT E. MARSHALL

SENIOR PROCUREMENT SPECIALIST
CHATHAM COUNTY

COLLINS ENGINEERS PC

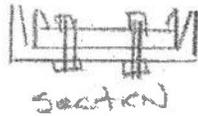
PROJECT _____
 CLIENT _____

JOB _____ OF _____
 SHEET NO. _____ DATE _____
 BY _____ DATE _____
 CHKD. BY _____ DATE _____



splice channel
 C6x13xL=1'-0" FOR COLLINS WATER
 w/ 4-3/4" A325 Bolts each side

splice channel
 C10x30 x L=1'-6" FOR COLLINS WATER
 w/ 6-3/4" A325 Bolts
 12 EACH SIDE
 12 Bolts total

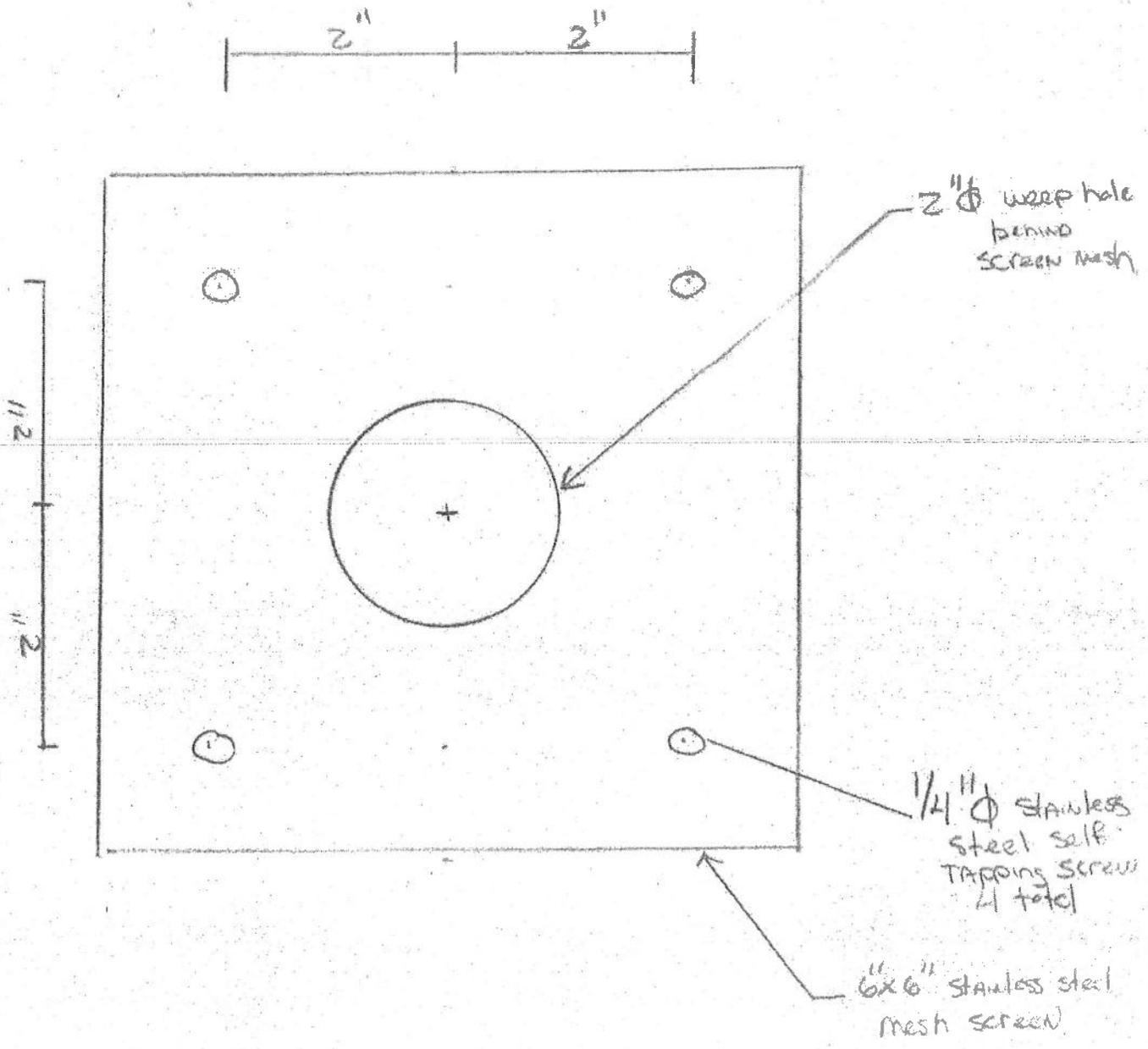


WATER SPLICE USE FOR TOP & BOTTOM

COLLINS ENGINEERS INC

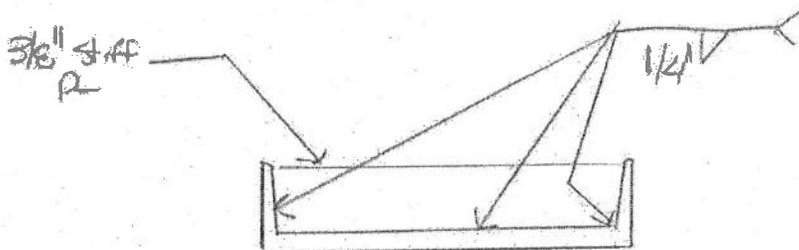
PROJECT Chatham County Bulkhead
CLIENT _____

JOB _____
SHEET NO. _____ OF _____
BY _____ DATE _____
CHKD. BY _____ DATE _____

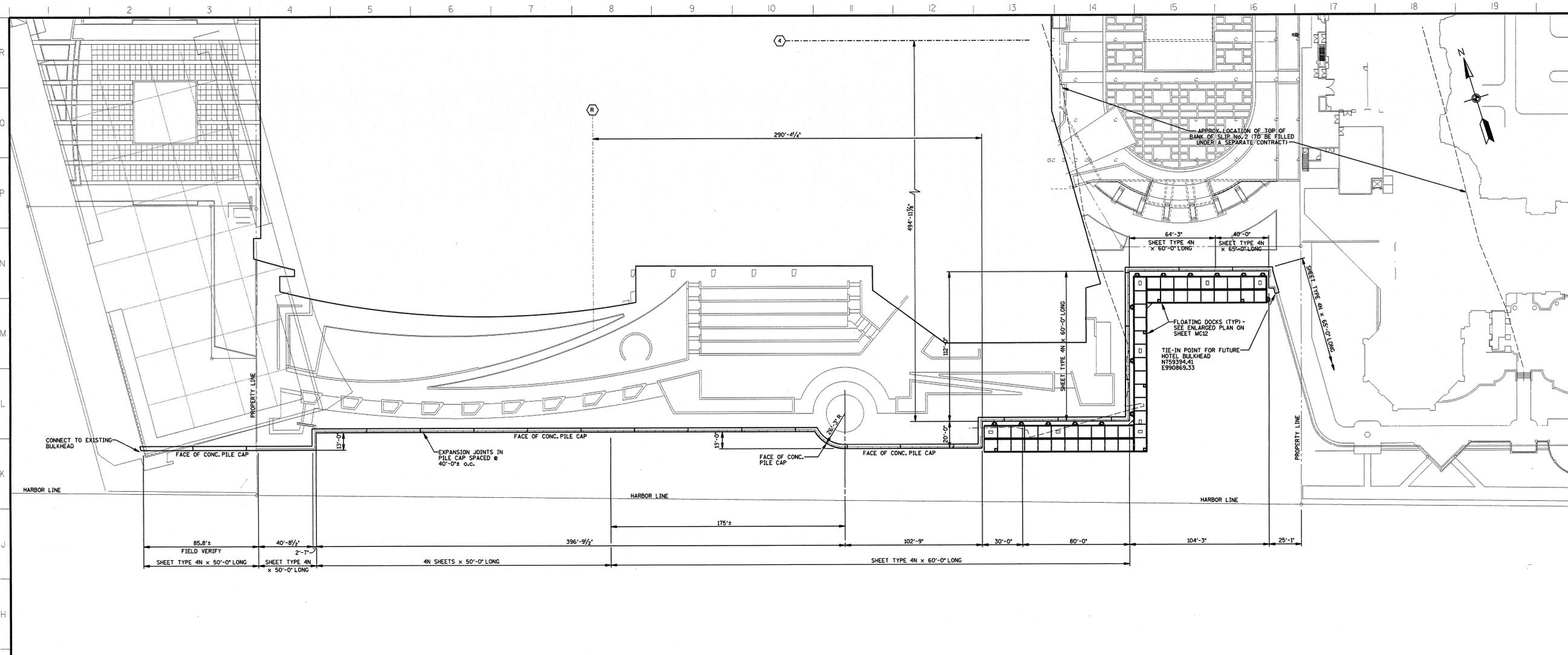


Wire mesh weep hole cover

PROJECT _____
CLIENT _____



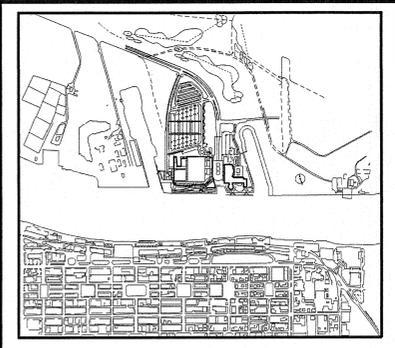
St. OFFER Welding Detail



OVERALL LAYOUT PLAN
SCALE: 1" = 30'-0"

© SAVANNAH HARBOR CHANNEL (RANGE 27)

MODIFICATION No. 2 REVISION NOTE:
CHANGED SHEET PILE TYPE REVISID DIMENSIONS AND COORDINATES.



MATERIAL KEYING LEGEND

Date	REVISIONS/SUBMISSIONS	Date	REVISIONS/SUBMISSIONS
10-97	RELEASED FOR CONSTRUCTION		
9/24/97	MODIFICATION No. 2A		
3/6/98	MODIFICATION No. 4		

KEY PLAN

Date	REVISIONS/SUBMISSIONS	Date	REVISIONS/SUBMISSIONS

Date	REVISIONS/SUBMISSIONS	Date	REVISIONS/SUBMISSIONS

PREPARED BY:
THOMAS & HUTTON ENGINEERING CO.
SAVANNAH, GEORGIA

THOMPSON VENTULETT STAINBACK & ASSOCIATES

HANSEN ARCHITECTS, PC
Savannah, GA

HAYNES-ROBINSON, PC
Atlanta, GA / Savannah, GA

ROSSER INTERNATIONAL, INC.
Atlanta, GA / Savannah, GA

2700 PROMENADE TWO 1230 PEACHTREE STREET N.E.
ATLANTA, GEORGIA 30309-3591
404-888-6600 FAX: 404-888-6700

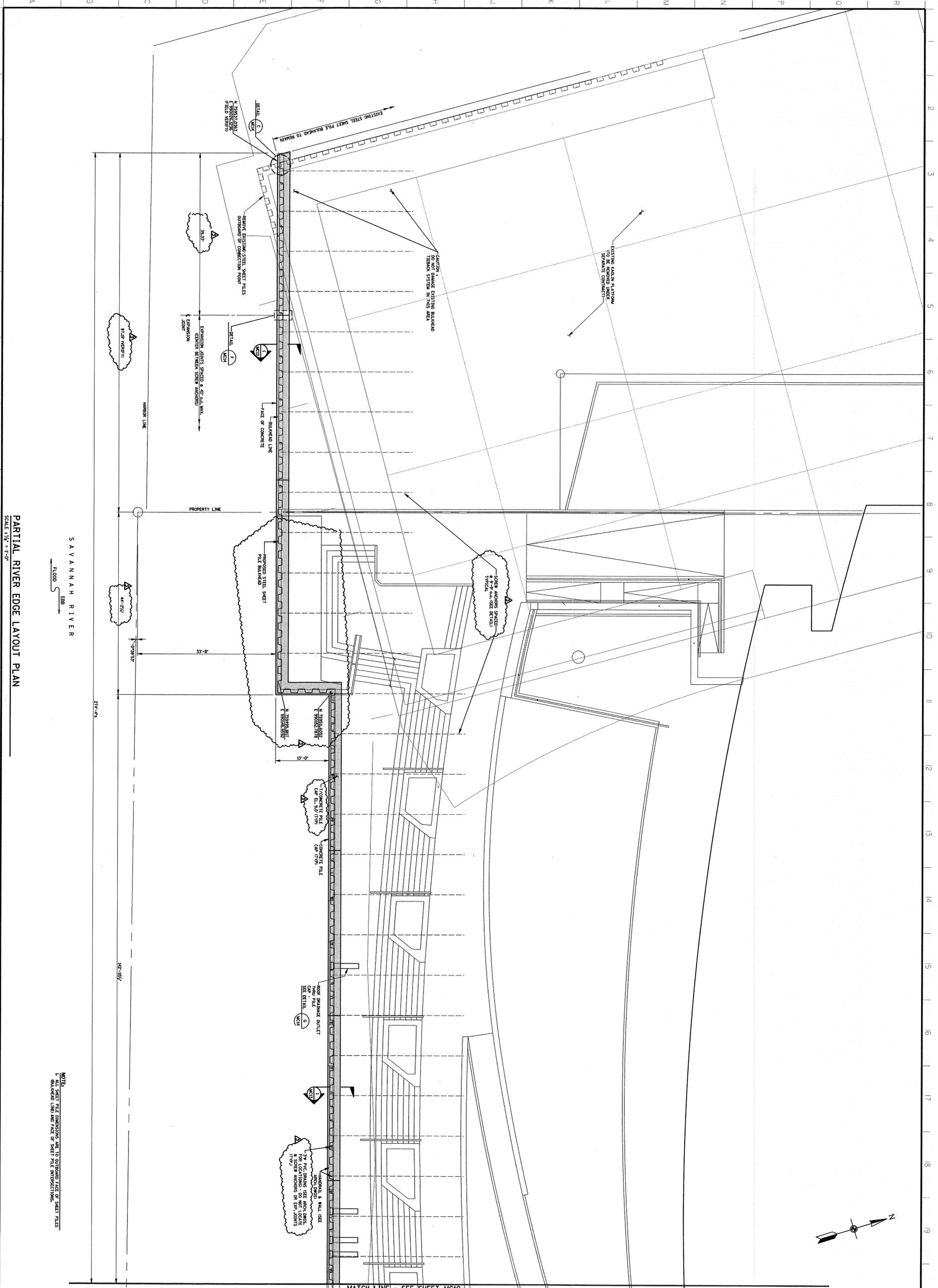
Drawing Title: **FLOATING DOCK & WATERFRONT WORK OVERALL LAYOUT PLAN**

Project No. 9501.000
Date 01-10-97
Drawing No. MC8

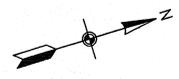


G.E.O.R.G.I.A I.N.T.E.R.N.A.T.I.O.N.A.L M.A.R.I.T.I.M.E & T.R.A.D.E C.E.N.T.E.R
Chatham County Board of Commissioners Savannah, GA

RELEASED FOR CONSTRUCTION

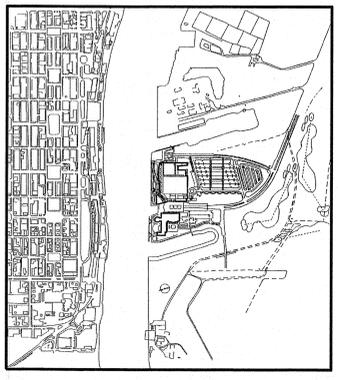


PARTIAL RIVER EDGE LAYOUT PLAN
SCALE 1/8" = 1'-0"



MATCH LINE - SEE SHEET MC10

G.E.O.R.G.I.A I.N.T.E.R.N.A.T.I.O.N.A.L M.A.R.I.T.I.M.E & T.R.A.D.E C.E.N.T.E.R Chatham County Board of Commissioners Savannah, GA



MATERIAL KEYING LEGEND

KEY PLAN

DATE	REVISIONS/SUBMISSIONS	DATE	REVISIONS/SUBMISSIONS
5-24-97	RELEASED FOR CONSTRUCTION		
5-24-97	MODIFICATION No. 2A		
5-24-98	MODIFICATION No. 4		

THOMAS & HUTTON ENGINEERING CO.
SAVANNAH, GEORGIA

Prepared by:
HANSEN ARCHITECTS PC
VENTULETT
STAINBACK & ASSOCIATES

2700 PROKEMADE TWO, 1230 PEACHTREE STREET N.E.
404-888-6000
404-888-6000

PROJECT: FLOATING DOCK & WATERFRONT WORK
PARTIAL RIVER EDGE LAYOUT PLAN - SHEET 1

DATE: 01-10-97

PROJECT NO.: 9232

DATE: 01-10-97

PROJECT NO.: 9232

GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. 8234
THOMAS HUTTON
SAVANNAH, GEORGIA

REGISTERED ARCHITECT
No. 1111
HANSEN ARCHITECTS PC
SAVANNAH, GEORGIA

REGISTERED ARCHITECT
No. 1111
VENTULETT
STAINBACK & ASSOCIATES
SAVANNAH, GEORGIA

REGISTERED ARCHITECT
No. 1111
ROSSER INTERNATIONAL, INC.
SAVANNAH, GEORGIA

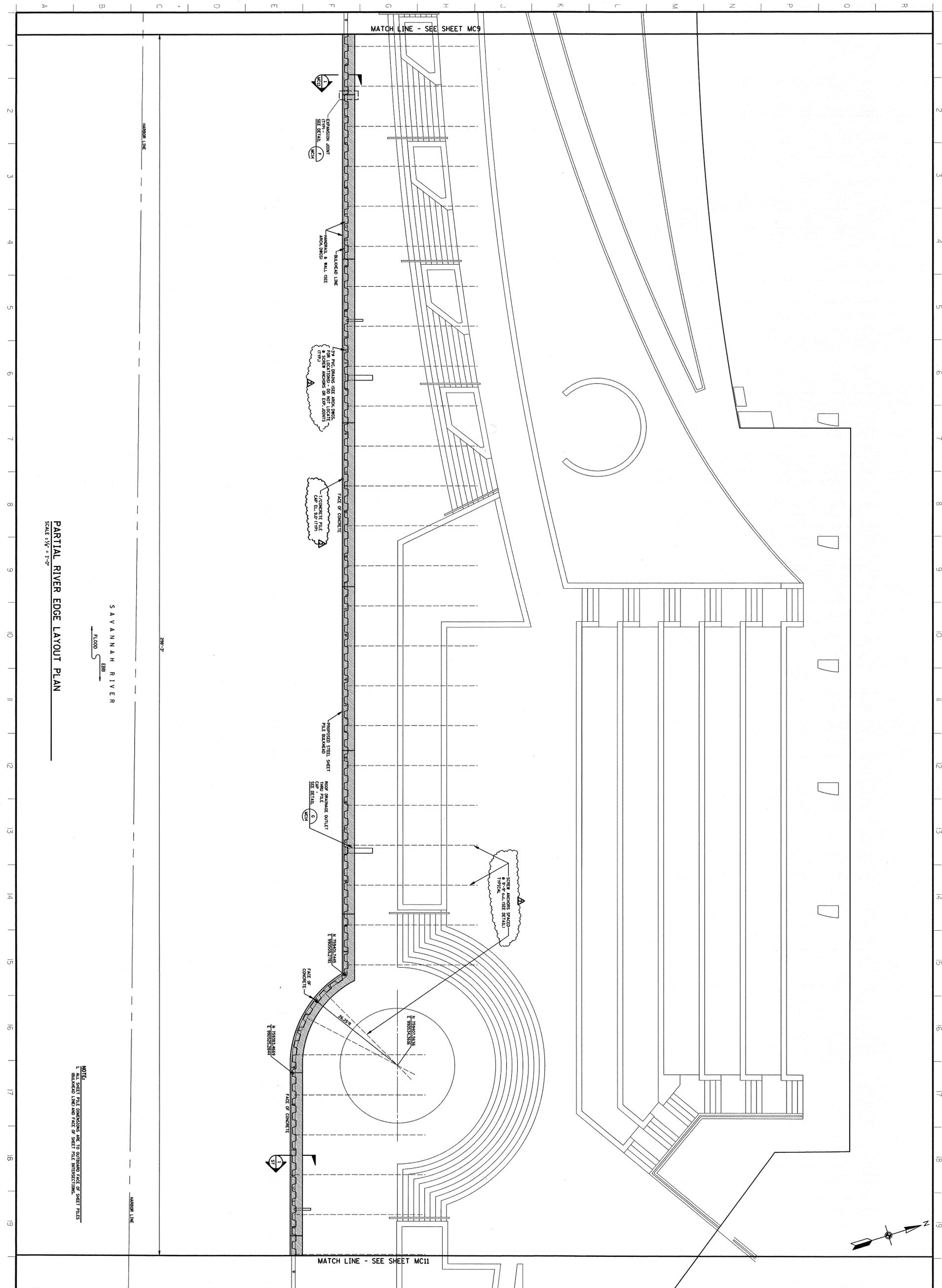
PROJECT: FLOATING DOCK & WATERFRONT WORK
PARTIAL RIVER EDGE LAYOUT PLAN - SHEET 1

DATE: 01-10-97

PROJECT NO.: 9232

DATE: 01-10-97

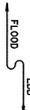
PROJECT NO.: 9232



PARTIAL RIVER EDGE LAYOUT PLAN

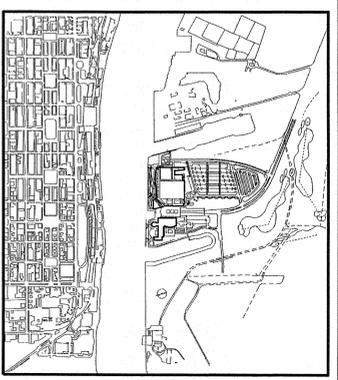
SCALE: 1/8" = 1'-0"

SAVANNAH RIVER



NOTE:
 ALL SHEET PILE DIMENSIONS ARE TO OUTWARD FACE OF SHEET PILES.
 BULKHEAD LINES AND FACE OF SHEET PILE INTERSECTIONS.

G.E.O.R.G.I.A I.N.T.E.R.N.A.T.I.O.N.A.L M.A.R.I.T.I.M.E & T.R.A.D.E C.E.N.T.E.R Chatham County Board of Commissioners Savannah, GA



MATERIAL KEYING LEGEND



KEY PLAN

PREPARED BY:
THOMAS & HUTTON ENGINEERING CO.
 SAVANNAH, GEORGIA

THOMPSON
VENTULETT
STAINBACK & ASSOCIATES

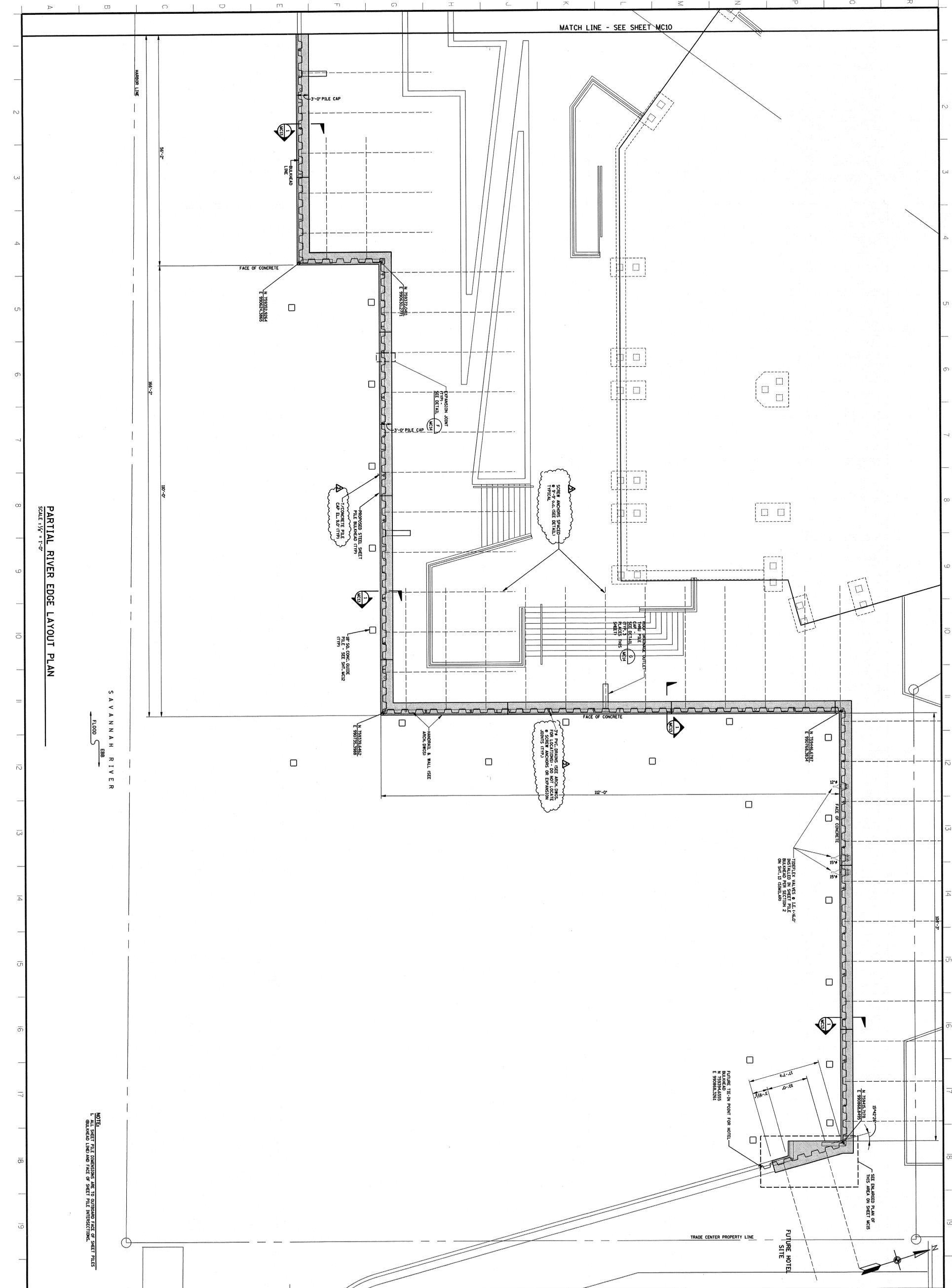
HANSEN ARCHITECTS PC
HANSEN ARCHITECTS PC
 Atlanta, GA Savannah, GA

ROSSER INTERNATIONAL, INC.
 Atlanta, GA Savannah, GA

2700 PROMENADE TWO 1230 PEACHTREE STREET N.E.
 ATLANTA, GEORGIA 30309-3891 FAX: 404-888-6700
 404-888-6800

Project No. 950.0000
 Date 01-10-97
 Drawing No. MC10

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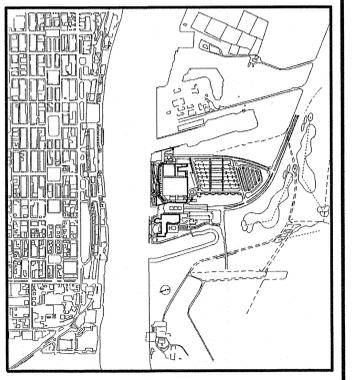
PARTIAL RIVER EDGE LAYOUT PLAN

SCALE: 1/8" = 1'-0"

SAVANNAH RIVER
 FLOOD EBB

NOTE:
 1. ALL SHEET PILE DIMENSIONS ARE TO OUTBOARD FACE OF SHEET PILES.
 2. BOLDED DIMENSIONS ARE TO SHEET PILE INTERSECTIONS.

G.E.O.R.G.I.A I.N.T.E.R.N.A.T.I.O.N.A.L M.A.R.I.T.I.M.E & T.R.A.D.E C.E.N.T.E.R Chatham County Board of Commissioners Savannah, GA



MATERIAL KEYING LEGEND



KEY PLAN

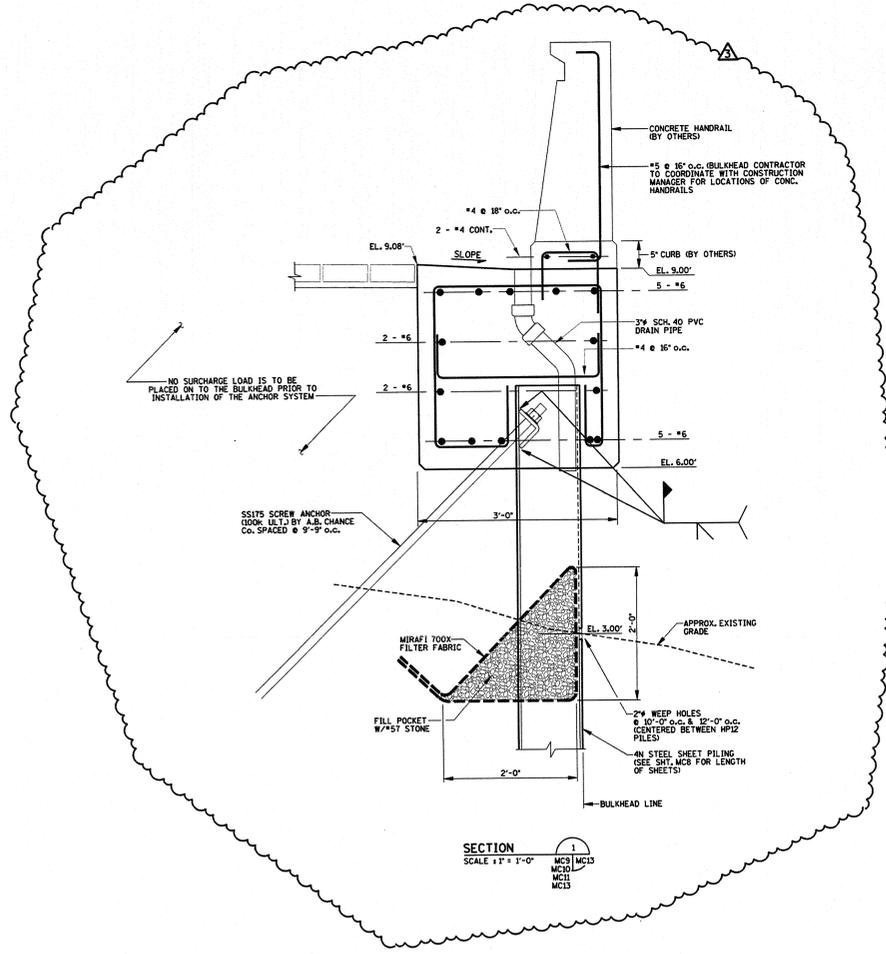
DATE RECEIVED/COMMISSIONS	DATE RECEIVED/COMMISSIONS
02-27 RELEASED FOR CONSTRUCTION	02-27 RELEASED FOR CONSTRUCTION
11-28 MODIFICATION No. 2A	11-28 MODIFICATION No. 2A
11-28 MODIFICATION No. 4	11-28 MODIFICATION No. 4

THOMAS & HUTTON ENGINEERING CO.
 SAVANNAH, GEORGIA
 PREPARED BY:
 HANSEN ARCHITECTS, PC
 STAINBACK & ASSOCIATES
 ROSSER INTERNATIONAL, INC.

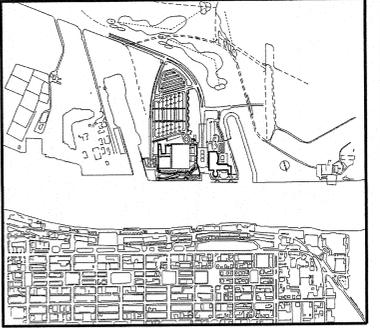
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 ATLANTA, GEORGIA 30309-3591
 404-888-6800 FAX: 404-888-6700

REGISTERED PROFESSIONAL ENGINEER
 STATE OF GEORGIA
 No. 25284
 PROFESSIONAL SEAL
 THOMAS & HUTTON ENGINEERING CO.
 SAVANNAH, GEORGIA

PROJECT NO. 9501000
 DATE 04-10-97
 DRAWING NO. MC11



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



MATERIAL KEYING LEGEND



KEY PLAN

Date	REVISIONS/SUBMISSIONS	Date	REVISIONS/SUBMISSIONS
1-10-97	RELEASED FOR CONSTRUCTION		
9-24-97	MODIFICATION No. 2A		
3/6/98	MODIFICATION No. 4		

PREPARED BY:
THOMAS & HUTTON ENGINEERING CO.
SAVANNAH, GEORGIA

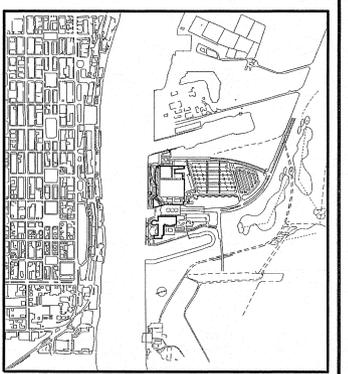
THOMPSON VENTULETT STAINBACK & ASSOCIATES
 HANSEN ARCHITECTS, PC
 SAVANNAH, GA
 HAYNES-ROBINSON, PC
 ATLANTA, GA / SAVANNAH, GA
 ROSSER INTERNATIONAL, INC.
 ATLANTA, GA / SAVANNAH, GA

2700 PROMENADE TWO 1230 PEACHTREE STREET N.E.
ATLANTA, GEORGIA 30309-3591
404-888-6600 FAX: 404-888-6700

Drawing Title: **FLOATING DOCK & WATERFRONT WORK DETAILS**

	Disclaiment <small>Scale and detail herein are valid on the original drawing. No other copies of drawings or details shall be used for the purpose of construction without the approval of the original drawing.</small>	Project No. 950.000
	<small>This drawing is the property of THOMPSON, VENTULETT, STAINBACK & ASSOCIATES, INC. and is not to be reproduced or copied in whole or in part. It is to be used only for the project and site specifically identified herein and is not to be used for any other project. It is to be returned upon completion of the project.</small> © THOMPSON, VENTULETT, STAINBACK & ASSOCIATES, INC.	Date 01-10-97
		Drawing No. MC13

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MATERIAL KEYING LEGEND

NO.	REVISIONS/SUBMISSIONS	DATE	REVISIONS/SUBMISSIONS
01-01	REVISIONS/SUBMISSIONS		
01-02	RELEASED FOR CONSTRUCTION		
01-03	MODIFICATION No. 4		

KEY PLAN

PREPARED BY:
THOMAS & HUTTON ENGINEERING CO.
 SAVANNAH, GEORGIA

HANSEN ARCHITECTS, PC
 SAVANNAH, GA

HANSEN ROBINSON, PC
 ATLANTA, GA

ROBERTSON INTERNATIONAL, INC.
 SAVANNAH, GA

THOMPSON
 VENTULETT
 STAINBACK
 &
 ASSOCIATES

2700 PROMENADE TWO 1230 PEACHTREE STREET N.E.
 ATLANTA, GEORGIA 30309-3591
 404-898-6800 FAX: 404-898-6700

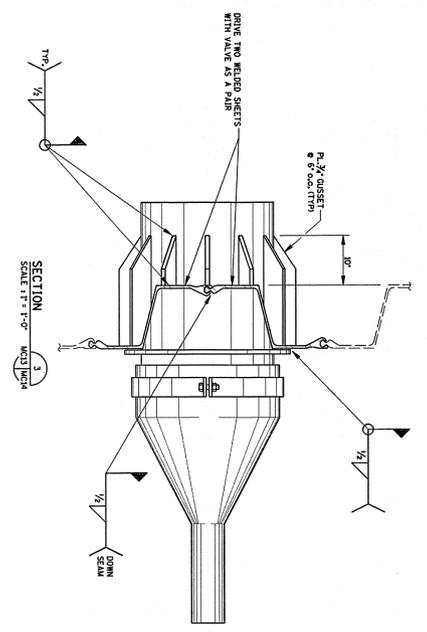
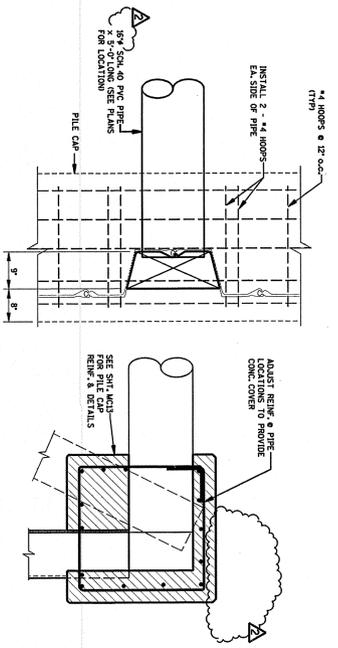
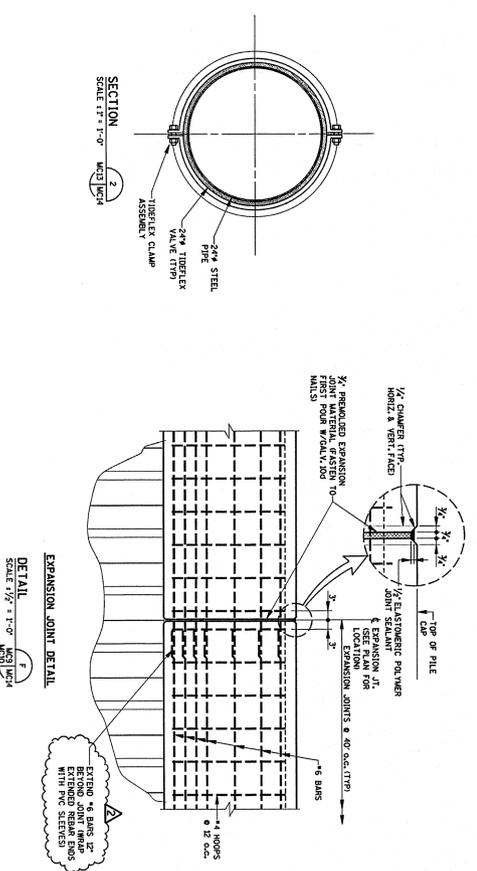
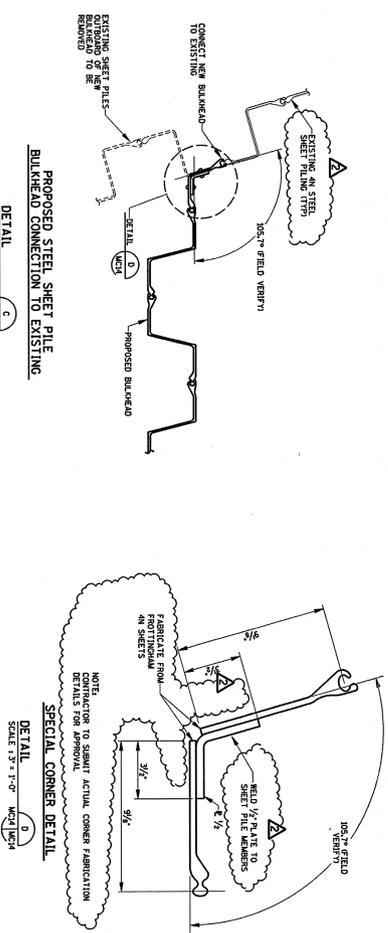
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 ATLANTA, GEORGIA 30309-3591
 404-898-6800 FAX: 404-898-6700

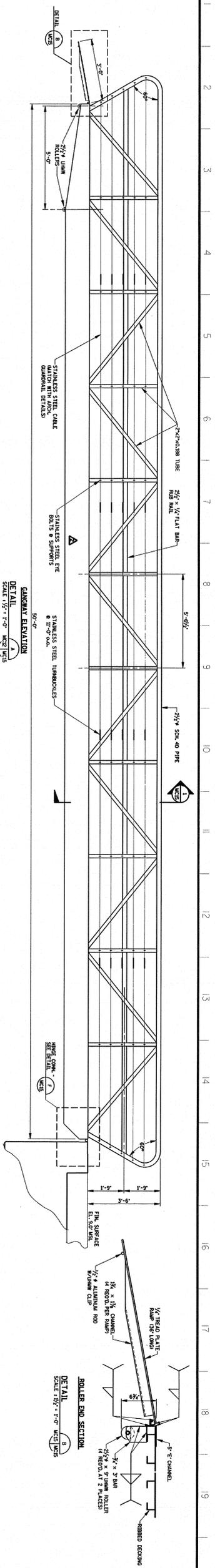
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 DATE 01-10-97



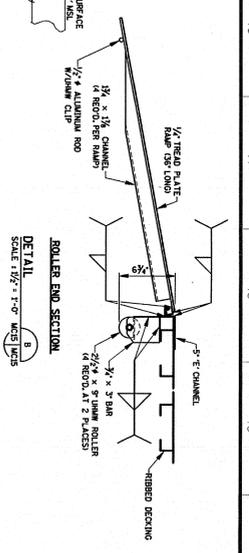
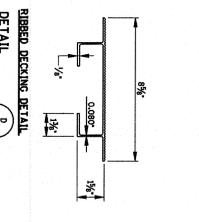
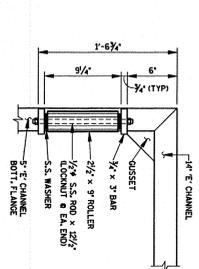
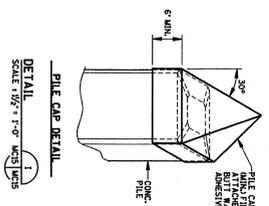
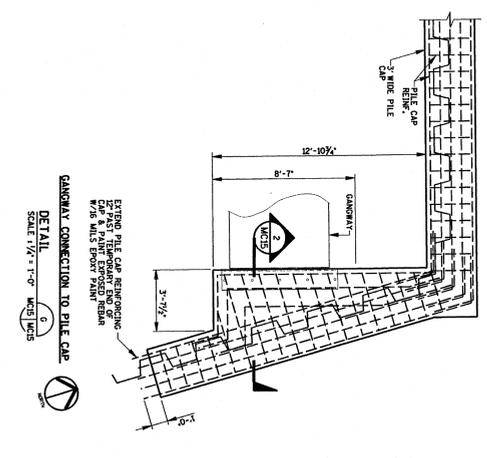
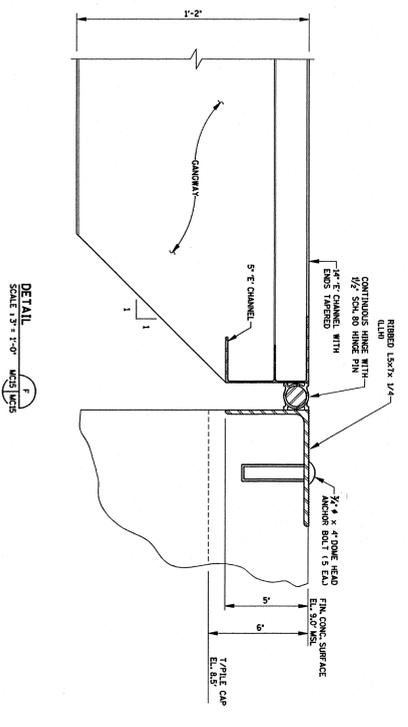
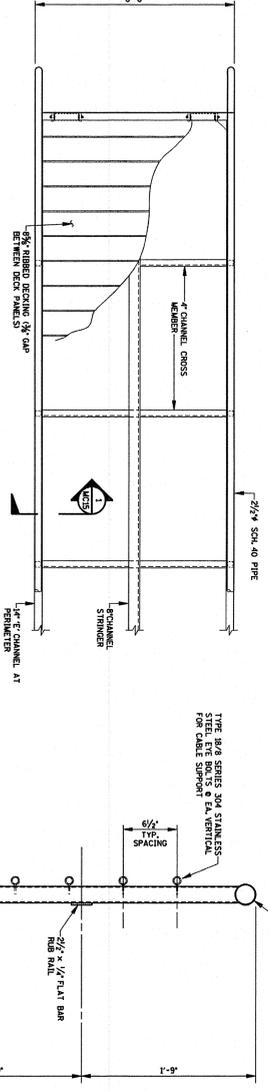
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Chatham County Board of Commissioners
 Savannah, GA

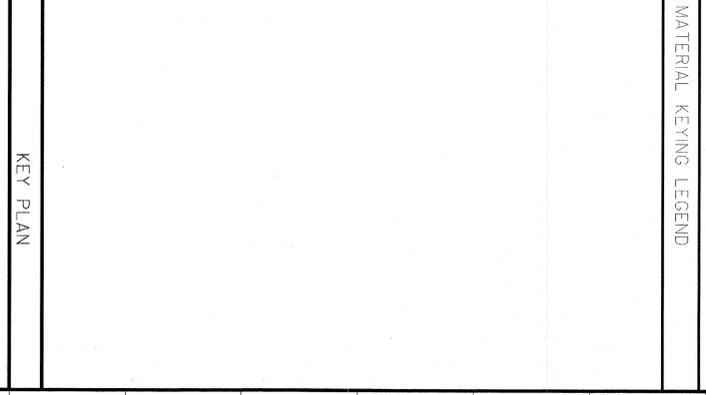
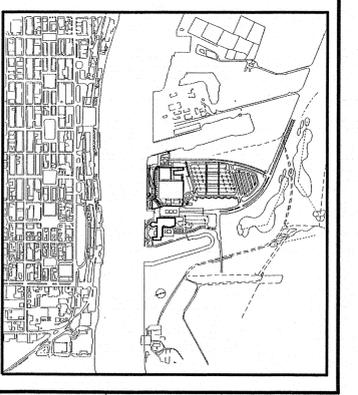




- GANGWAY NOTES:**
1. ALL STRUCTURAL ALUMINUM MEMBERS TO BE ALLOY 6061-T6.
 2. ALL MEMBERS TO BE STAINLESS STEEL TYPE 304, SERIES 304.
 3. ALL RIBBED FABRICATED UNLESS OTHERWISE NOTED.
 4. DESIGN FOR A 40 PSF LIVE LOAD WITH DEFLECTION LIMITED TO L/240.
 5. HANDRAILS ARE DESIGNED FOR A 200 LB. LOAD PLACED ANYWHERE ON THE 10" RAIL - EITHER VERTICAL OR HORIZONTAL.



G.E.O.R.G.I.A I.N.T.E.R.N.A.T.I.O.N.A.L M.A.R.I.T.I.M.E & T.R.A.D.E C.E.N.T.E.R Chatham County Board of Commissioners Savannah, GA



THOMAS & HUTTON ENGINEERING CO.
SAVANNAH, GEORGIA

THOMPSON VENTULETT STAINBACK & ASSOCIATES

2700 PROMENADE TWO 1230 PEACHTREE STREET N.E.
ATLANTA, GEORGIA 30309-3591
404-888-6800 FAX: 404-888-6700

REGISTERED PROFESSIONAL ENGINEER
MCS 15

PROJECT INFORMATION:
Project No. 580,000
Date 01-10-97
Drawing No. MC15

DISCIPLINE:
Structural Steel Detailing

APPROVED FOR CONSTRUCTION:
DATE MODIFICATION NO. 4