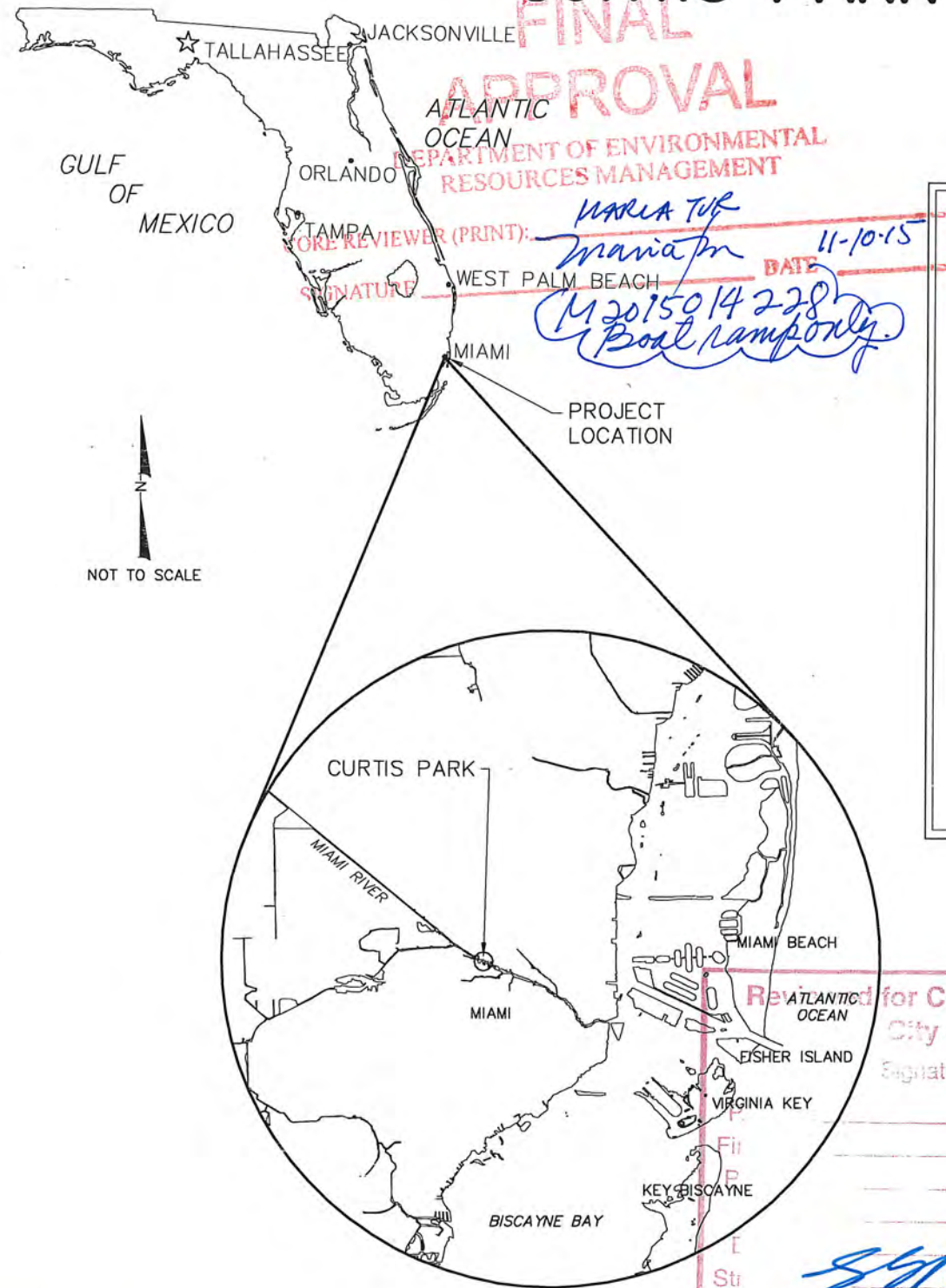


DERM
PLAN REVIEW
FINAL
APPROVAL

CITY OF MIAMI
CURTIS PARK BOAT RAMP IMPROVEMENTS
MIAMI, FLORIDA

OWNER COPY



ATLANTIC OCEAN
DEPARTMENT OF ENVIRONMENTAL RESOURCES MANAGEMENT
FORE REVIEWER (PRINT): MARIA TOR
SIGNATURE: *[Signature]*
DATE: 11-10-15
M 2015 014 228 Boat Ramp only.

INDEX TO SHEETS	
1	COVER SHEET
2	TOPOGRAPHIC SURVEY
3	PROPOSED RAMP IMPROVEMENTS PLAN VIEW
4-7	PROPOSED RAMP DETAILS
8	PROPOSED PAVING, GRADING AND DRAINAGE PLAN VIEW
9	PROPOSED PAVING, GRADING AND DRAINAGE DETAILS
10	PROPOSED CONTROL STRUCTURE DETAILS
11	PROPOSED EROSION CONTROL MEASURES PLAN VIEW
12	DRAINAGE AREA MAP
13	PROPOSED SIGNING AND PAVEMENT MARKINGS
14	RIGHT OF WAY CLEARING
15	EXTENT OF FILL DETAILS

NO ROAD X FIRE X SCHOOL
IMPACT FEE NOT REQUIRED
Boat Ramp repairs
SEP 02 2015
MIAMI-DADE COUNTY APPROVED
City Project

RECEIVED
MAY 15 2015
DERM
Environmental Resources Regulation Division



Check for CODE COMPLIANCE
City of Miami

Signature	Date
<i>[Signature]</i>	8/20/15

NO ELECTRICAL WORK APPROVED

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME: *[Signature]*
DATE: 5/22/15

RER - NATURAL RESOURCES DIVISION
FINAL APPROVAL
NAME: *[Signature]*
DATE: 10/7/15

DOUGLAS W. MANN
LICENSE
No. 44046
STATE OF FLORIDA
PARKING LOT, BOAT RAMP AND MARINE STRUCTURES:
[Signature]
DOUGLAS W. MANN P.E. NO. 44046

- SCOPE OF WORK:
- REPAIR BOAT RAMP.
 - ENHANCE BOAT RAMP.
 - ADD SOIL RETENTION STRUCTURE.
 - EXPAND PARKING LOT TO ACCOMMODATE BOAT TRAILERS.
 - CORRECTIVE ACTION PLAN FOR CONTAMINATED SEDIMENTS.

CB&I Environmental and Infrastructure, Inc.
14350 COMMERCE WAY
MIAMI LAKES, FLORIDA 33016
PH. (305) 818-1888
C.O.A. FL #9317
www.CBI.com

Reference First	Designed by	Checked by	Revised by	Revised by	Submitted by	Date	Comm. No.	Description
	DM	AMB	DM	DM	DM	3/07/13	148570	
	GK	DM	DM	DM	DM			

BD 14 - 002925-001

CITY OF MIAMI, FLORIDA
CURTIS PARK BOAT RAMP IMPROVEMENTS
COVER SHEET

DRAWING NO.
C-1
SHEET 1 OF 15

ABBREVIATIONS:

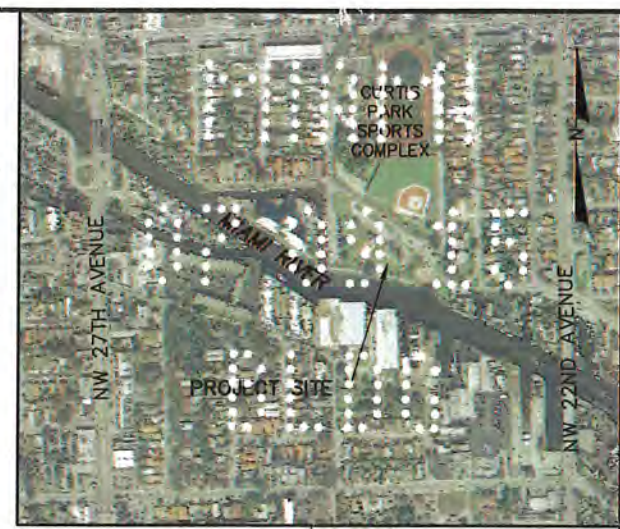
BTM	BOTTOM
CMP	CORRUGATED METAL PIPE
C.O.A.	CERTIFICATE OF AUTHORIZATION
COMM	COMMISSION
I.R.	IRON ROD
ELEC	ELECTRICAL
F.A.C.	FLORIDA ADMINISTRATIVE CODE
FL	FLORIDA
F.L.	FLOWLINE
INC.	INCORPORATED
M.C.P.R.	MIAMI-DADE COUNTY PUBLIC RECORDS
MH	MANHOLE
NAVD	NORTH AMERICAN VERTICAL DATUM
OHE	OVERHEAD ELECTRIC
PH	PHONE
PSM	PROFESSIONAL SURVEY AND MAPPER
RCP	REINFORCED CONCRETE PIPE
R.O.W.	RIGHT OF WAY
TYP	TYPICAL
W/	WITH

LEGEND:

●	BOLLARD
■	CATCH BASIN
□	ELECTRIC BOX
◆	FIBER OPTIC CABLE PAINTED MARKER
☆	LIGHT POLE
○	LIVE OAK TREE
○	MANHOLE
○	PALM TREE
○	PILE
○	SIGN
⊗	WATER VALVE

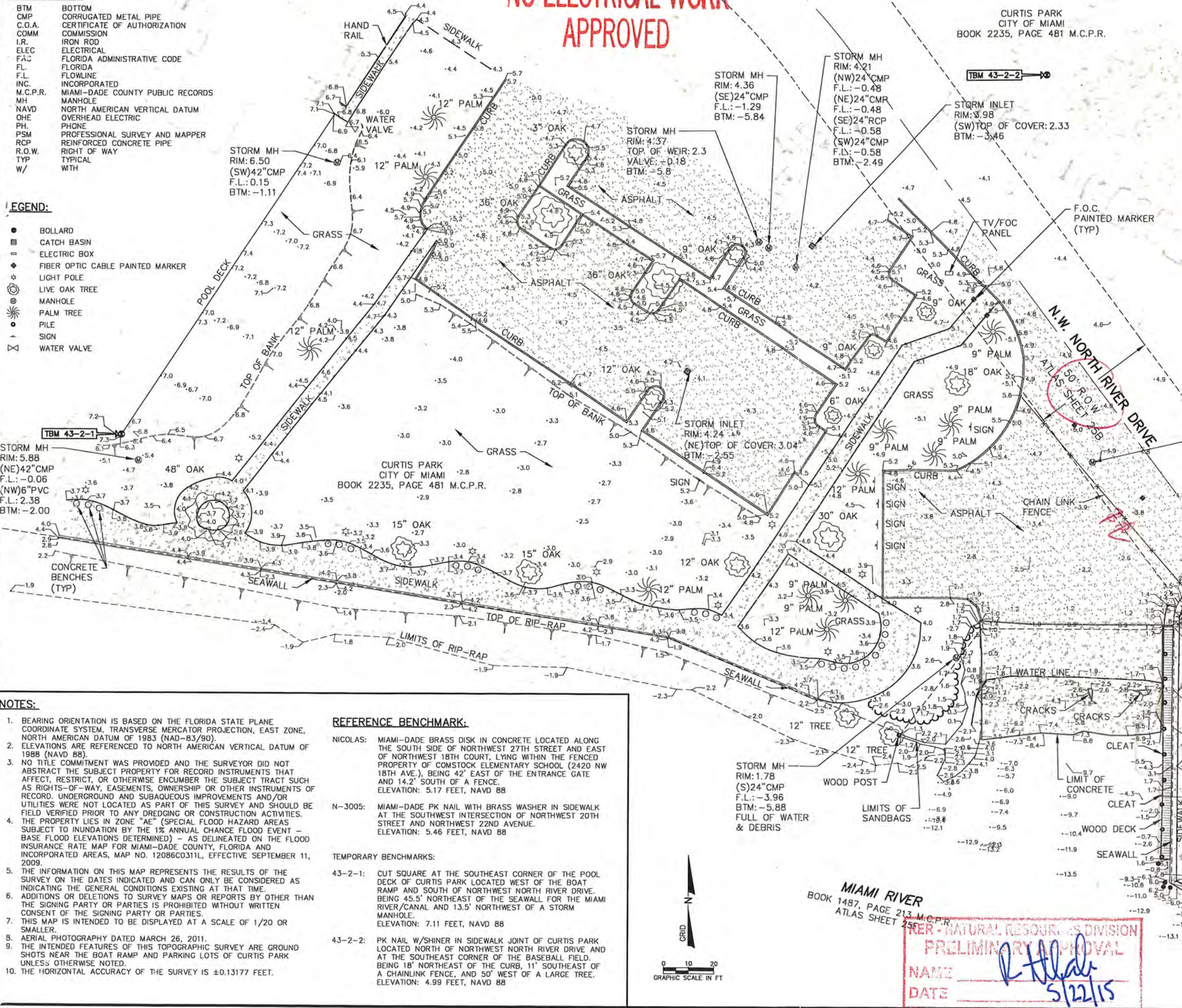
NO ELECTRICAL WORK APPROVED

CURTIS PARK CITY OF MIAMI BOOK 2235, PAGE 481 M.C.P.R.



VICINITY MAP

RECEIVED MAY 15 2015



Environmental Resources Regulation Division

Reviewed for CODE COMPLIANCE

City of Miami

Signature: _____ Date: _____

Lot 5, Lot 6, Lot 7, Lot C

WASHBURNS SUBDIVISION PLAT BOOK 4, PAGE 112 M.C.P.R.

WASHBURNS SUBDIVISION PLAT BOOK 4, PAGE 112 M.C.P.R.

Sanitary M/I IN/OUT PIPES DO NOT ENTER SUBJECT TRACT

Works: Electrical, Plumbing, Mech, S Waste, Elevator

NOTES:

- BEARING ORIENTATION IS BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, TRANSVERSE MERCATOR PROJECTION, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD-83/90).
- ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- NO TITLE COMMITMENT WAS PROVIDED AND THE SURVEYOR DID NOT ABSTRACT THE SUBJECT PROPERTY FOR RECORD INSTRUMENTS THAT AFFECT, RESTRICT, OR OTHERWISE ENCUMBER THE SUBJECT TRACT SUCH AS RIGHTS-OF-WAY, EASEMENTS, OWNERSHIP OR OTHER INSTRUMENTS OF RECORD. UNDERGROUND AND SUBAQUEOUS IMPROVEMENTS AND/OR UTILITIES WERE NOT LOCATED AS PART OF THIS SURVEY AND SHOULD BE FIELD VERIFIED PRIOR TO ANY DREDGING OR CONSTRUCTION ACTIVITIES.
- THE PROPERTY LIES IN ZONE "AE" (SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD EVENT - BASE FLOOD ELEVATIONS DETERMINED) - AS DELINEATED ON THE FLOOD INSURANCE RATE MAP FOR MIAMI-DADE COUNTY, FLORIDA AND INCORPORATED AREAS, MAP NO. 12086C03111, EFFECTIVE SEPTEMBER 11, 2009.
- THE INFORMATION ON THIS MAP REPRESENTS THE RESULTS OF THE SURVEY ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
- ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
- THIS MAP IS INTENDED TO BE DISPLAYED AT A SCALE OF 1/20 OR SMALLER.
- AERIAL PHOTOGRAPHY DATED MARCH 26, 2011.
- THE INTENDED FEATURES OF THIS TOPOGRAPHIC SURVEY ARE GROUND SHOTS NEAR THE BOAT RAMP AND PARKING LOTS OF CURTIS PARK UNLESS OTHERWISE NOTED.
- THE HORIZONTAL ACCURACY OF THE SURVEY IS ±0.13177 FEET.

REFERENCE BENCHMARK:

- NICOLAS: MIAMI-DADE BRASS DISK IN CONCRETE LOCATED ALONG THE SOUTH SIDE OF NORTHWEST 27TH STREET AND EAST OF NORTHWEST 18TH COURT, LYING WITHIN THE FENCED PROPERTY OF COMSTOCK ELEMENTARY SCHOOL (2420 NW 18TH AVE.), BEING 42' EAST OF THE ENTRANCE GATE AND 14.2' SOUTH OF A FENCE. ELEVATION: 5.17 FEET, NAVD 88
- N-3005: MIAMI-DADE PK NAIL WITH BRASS WASHER IN SIDEWALK AT THE SOUTHWEST INTERSECTION OF NORTHWEST 20TH STREET AND NORTHWEST 22ND AVENUE. ELEVATION: 5.46 FEET, NAVD 88
- TEMPORARY BENCHMARKS:
- 43-2-1: CUT SQUARE AT THE SOUTHEAST CORNER OF THE POOL DECK OF CURTIS PARK LOCATED WEST OF THE BOAT RAMP AND SOUTH OF NORTHWEST NORTH RIVER DRIVE, BEING 45.5' NORTHEAST OF THE SEAWALL FOR THE MIAMI RIVER/CANAL AND 13.5' NORTHWEST OF A STORM MANHOLE. ELEVATION: 7.11 FEET, NAVD 88
- 43-2-2: PK NAIL W/SHINER IN SIDEWALK JOINT OF CURTIS PARK LOCATED NORTH OF NORTHWEST NORTH RIVER DRIVE AND AT THE SOUTHEAST CORNER OF THE BASEBALL FIELD, BEING 18' NORTHEAST OF THE CURB, 11' SOUTHEAST OF A CHAINLINK FENCE, AND 50' WEST OF A LARGE TREE. ELEVATION: 4.99 FEET, NAVD 88



MIAMI RIVER BOOK 1487, PAGE 213 M.C.P.R. ATLAS SHEET 255

PRELIMINARY APPROVAL

NAME: *R. H. ...* DATE: 5/22/15

THIS SURVEY MAP OR THE COPIES THEREOF ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

CERTIFICATION:

I CERTIFY THAT THIS SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS SET FORTH IN CHAPTER 5J-17, ADOPTED BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS, PURSUANT TO SECTION 472.027 OF THE FLORIDA STATUTES.

SURVEYED THIS 16TH DAY OF FEBRUARY, 2015

JM Sullivan JM SULLIVAN, PSM #6889 DATE: 4-29-15

Shaw Environmental and Infrastructure
 14350 COMMERCE WAY
 MIAMI LAKES, FLORIDA 33016
 PH. (305) 818-1888
 C.O.A. FL. #9317
 www.shawgrp.com

REVISIONS	No.	Date	Description

Checked by: AMB
 Reviewed by: DM
 Drawn by: GK
 Date: 5/07/15
 Pict. Scale: AS NOTED

City of Miami, Florida
 Curtis Park Boat Ramp Improvements
 TOPOGRAPHIC SURVEY
 DRAWING NO. TS-1
 SHEET 2 OF 15

ABBREVIATIONS:

- BTM BOTTOM
- CMP CORRUGATED METAL PIPE
- C.O.A. CERTIFICATE OF AUTHORIZATION
- COMM COMMISSION
- I.R. IRON ROD
- ELEC ELECTRICAL
- FAC. FLORIDA ADMINISTRATIVE CODE
- FL. FLORIDA
- F.L. FLOWLINE
- INC. INCORPORATED
- M.C.P.R. MIAMI-DADE COUNTY PUBLIC RECORDS
- MH MANHOLE
- NAVD NORTH AMERICAN VERTICAL DATUM
- OHE OVERHEAD ELECTRIC
- PH. PHONE
- PSM PROFESSIONAL SURVEY AND MAPPER
- RCP REINFORCED CONCRETE PIPE
- R.O.W. RIGHT OF WAY
- TYP TYPICAL
- W/ WITH

LEGEND:

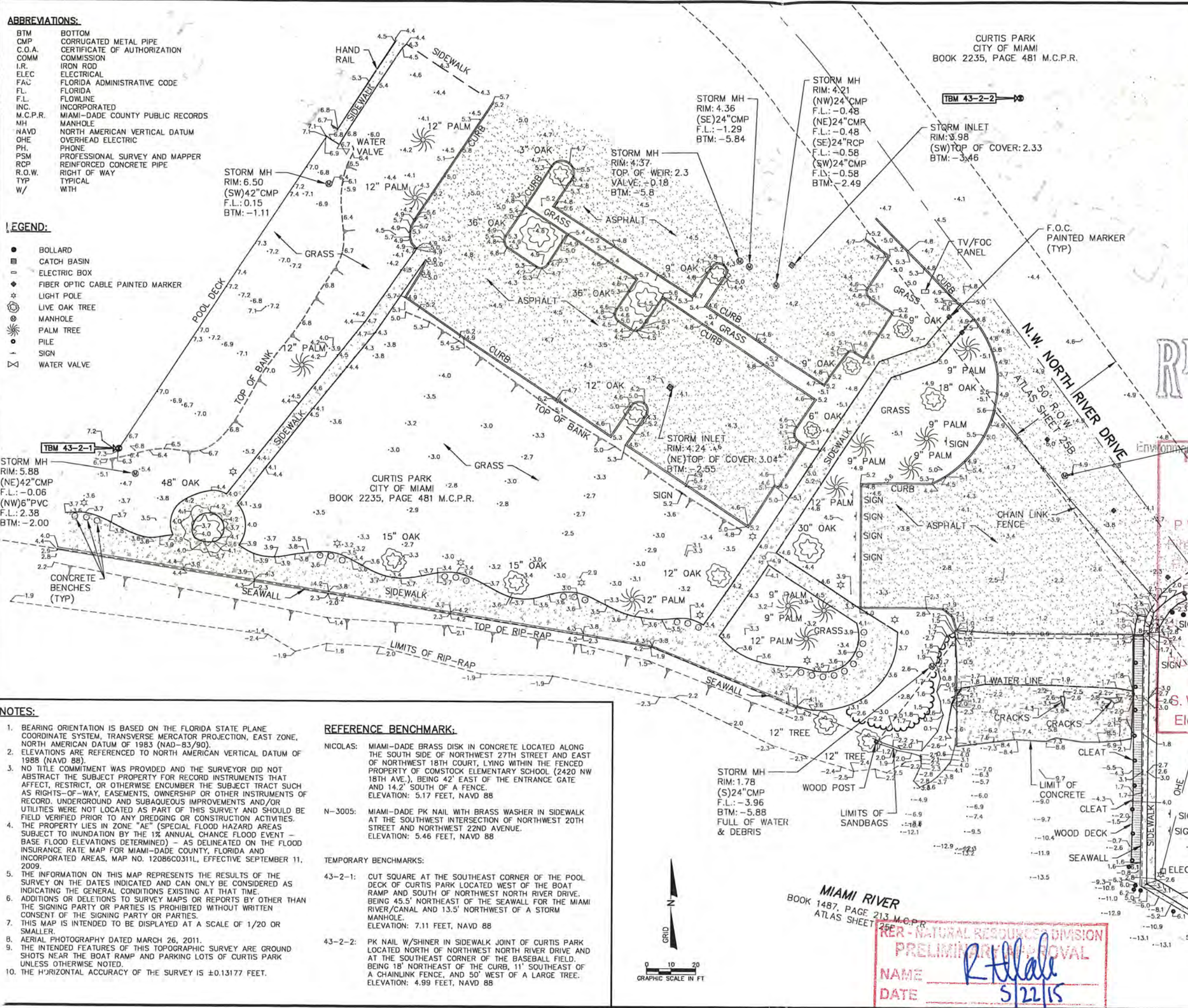
- BOLLARD
- ▣ CATCH BASIN
- ELECTRIC BOX
- ◆ FIBER OPTIC CABLE PAINTED MARKER
- ☆ LIGHT POLE
- ⊙ LIVE OAK TREE
- MANHOLE
- ☼ PALM TREE
- PILE
- SIGN
- ⊠ WATER VALVE

NOTES:

1. BEARING ORIENTATION IS BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, TRANSVERSE MERCATOR PROJECTION, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD-83/90).
2. ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
3. NO TITLE COMMITMENT WAS PROVIDED AND THE SURVEYOR DID NOT ABSTRACT THE SUBJECT PROPERTY FOR RECORD INSTRUMENTS THAT AFFECT, RESTRICT, OR OTHERWISE ENCUMBER THE SUBJECT TRACT SUCH AS RIGHTS-OF-WAY, EASEMENTS, OWNERSHIP OR OTHER INSTRUMENTS OF RECORD, UNDERGROUND AND SUBAQUEOUS IMPROVEMENTS AND/OR UTILITIES WERE NOT LOCATED AS PART OF THIS SURVEY AND SHOULD BE FIELD VERIFIED PRIOR TO ANY DREDGING OR CONSTRUCTION ACTIVITIES.
4. THE PROPERTY LIES IN ZONE "A1" (SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD EVENT - BASE FLOOD ELEVATIONS DETERMINED) - AS DELINEATED ON THE FLOOD INSURANCE RATE MAP FOR MIAMI-DADE COUNTY, FLORIDA AND INCORPORATED AREAS, MAP NO. 12086C0311L, EFFECTIVE SEPTEMBER 11, 2009.
5. THE INFORMATION ON THIS MAP REPRESENTS THE RESULTS OF THE SURVEY ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
6. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
7. THIS MAP IS INTENDED TO BE DISPLAYED AT A SCALE OF 1/20 OR SMALLER.
8. AERIAL PHOTOGRAPHY DATED MARCH 26, 2011.
9. THE INTENDED FEATURES OF THIS TOPOGRAPHIC SURVEY ARE GROUND SHOTS NEAR THE BOAT RAMP AND PARKING LOTS OF CURTIS PARK UNLESS OTHERWISE NOTED.
10. THE HORIZONTAL ACCURACY OF THE SURVEY IS ±0.13177 FEET.

REFERENCE BENCHMARK:

- NICOLAS:** MIAMI-DADE BRASS DISK IN CONCRETE LOCATED ALONG THE SOUTH SIDE OF NORTHWEST 27TH STREET AND EAST OF NORTHWEST 18TH COURT, LYING WITHIN THE FENCED PROPERTY OF COMSTOCK ELEMENTARY SCHOOL (2420 NW 18TH AVE.), BEING 42' EAST OF THE ENTRANCE GATE AND 14.2' SOUTH OF A FENCE. ELEVATION: 5.17 FEET, NAVD 88
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- 43-2-2:** PK NAIL W/SHINER IN SIDEWALK JOINT OF CURTIS PARK LOCATED NORTH OF NORTHWEST NORTH RIVER DRIVE AND AT THE SOUTHEAST CORNER OF THE BASEBALL FIELD, BEING 18' NORTHEAST OF THE CURB, 11' SOUTHEAST OF A CHAINLINK FENCE, AND 50' WEST OF A LARGE TREE. ELEVATION: 4.99 FEET, NAVD 88



VICINITY MAP
GRAPHIC SCALE IN FT
0 1250 500

RECEIVED
MAY 15 2015

ENVIRONMENTAL CODE COMPLIANCE

Environmental Resources Department
City of Miami

Signature: _____ Date: _____

REVISIONS	No.	Date	Description

Reference Files:
Designed by: DM
Drawn by: GK
Date: 3/07/13
Plot Scale: AS NOTED
Comm. No.: 148570

THIS SURVEY MAP OR THE COPIES THEREOF ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

CERTIFICATION:

I CERTIFY THAT THIS SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS SET FORTH IN CHAPTER 55-17, ADOPTED BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS, PURSUANT TO SECTION 472.027 OF THE FLORIDA STATUTES.

SURVEYED THIS 6TH DAY OF FEBRUARY, 2013

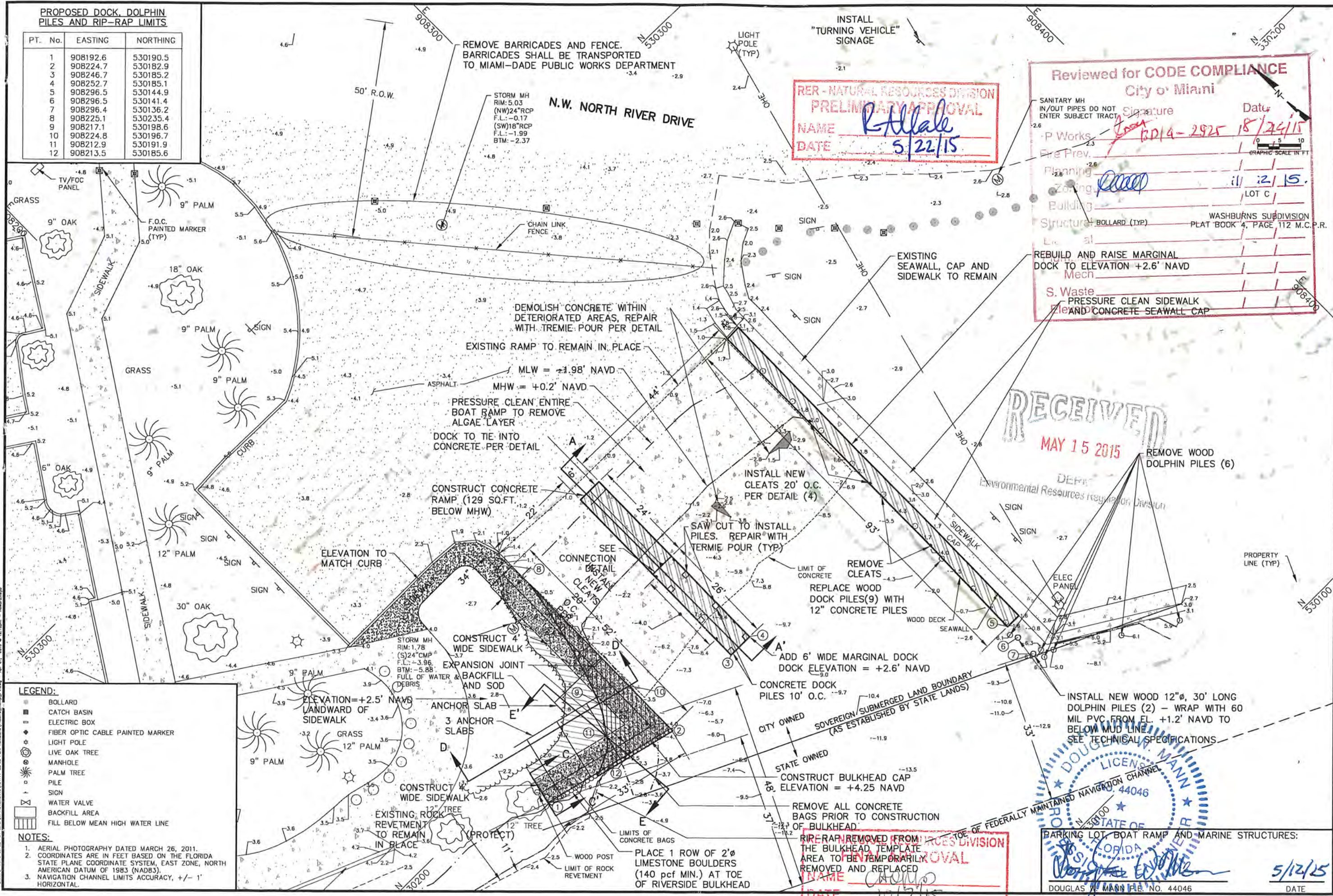
JIM SULLIVAN, PSM #6639 DATE: 4-29-15

PRELIMINARY APPROVAL

NAME: R. H. Hale
DATE: 5/22/15

PROPOSED DOCK, DOLPHIN PILES AND RIP-RAP LIMITS

PT. No.	EASTING	NORTHING
1	908192.6	530190.5
2	908224.7	530182.9
3	908246.7	530185.2
4	908252.7	530185.1
5	908296.5	530144.9
6	908296.5	530141.4
7	908296.4	530136.2
8	908225.1	530235.4
9	908217.1	530198.6
10	908224.8	530196.7
11	908212.9	530191.9
12	908213.5	530185.6



RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
 NAME: R. Allale
 DATE: 5/22/15

Reviewed for CODE COMPLIANCE
 City of Miami

Signature: _____ Date: 5/24/15

Sanitary MH IN/OUT PIPES DO NOT ENTER SUBJECT TRACT

P Works: 2014-2925

Fire Prev. _____

Planning: _____

Zoning: IL-2

Building: _____

Structure: BOLLARD (TYP) WASHBURNS SUBDIVISION PLAT BOOK 4, PAGE 112 M.C.P.R.

Lot: C

REBUILD AND RAISE MARGINAL DOCK TO ELEVATION +2.6' NAVD

Mech: _____

S. Waste: _____

PRESSURE CLEAN SIDEWALK AND CONCRETE SEAWALL CAP

RECEIVED
 MAY 15 2015
 Environmental Resources Regulation Division

- LEGEND:**
- BOLLARD
 - CATCH BASIN
 - ELECTRIC BOX
 - ◆ FIBER OPTIC CABLE PAINTED MARKER
 - ☆ LIGHT POLE
 - LIVE OAK TREE
 - MANHOLE
 - PALM TREE
 - PILE
 - SIGN
 - WATER VALVE
 - ▨ BACKFILL AREA
 - ▨ FILL BELOW MEAN HIGH WATER LINE

- NOTES:**
- AERIAL PHOTOGRAPHY DATED MARCH 26, 2011.
 - COORDINATES ARE IN FEET BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83).
 - NAVIGATION CHANNEL LIMITS ACCURACY, +/- 1' HORIZONTAL.

CB&I Environmental and Infrastructure, Inc.
 14350 COMMERCE WAY
 MIAMI LAKES, FLORIDA 33016
 PH. (305) 816-1888
 C.O.A. FL #9317
 www.cbii.com

REVISIONS

No.	Date	Description
1	5/27/15	MAN-DOCK RM #
2	5/27/15	RISE CAP PER CITY CODE

Checked by: AMB
 Drawn by: MLM
 Design: CK
 Date: 3/07/13
 Plot Scale: AS NOTED

Reviewed by: DM
 Submitted by: DM
 Comm. No.: 148570

PROPOSED RAMP IMPROVEMENTS PLAN VIEW

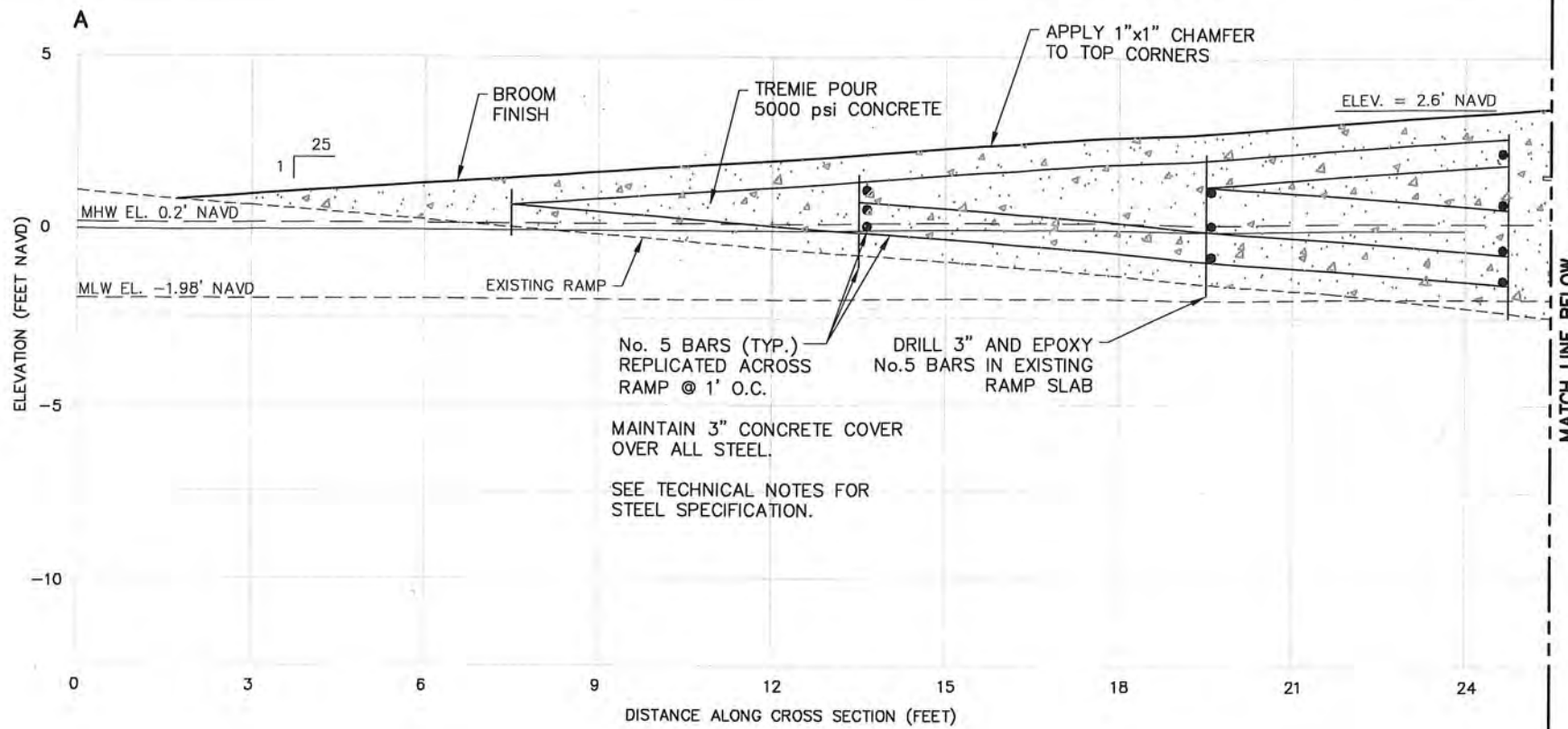
DOUGLAS W. MANN
 LICENSE NO. 44046
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

PROPOSED DOCK, DOLPHIN PILES AND RIP-RAP LIMITS

DATE: 5/12/15

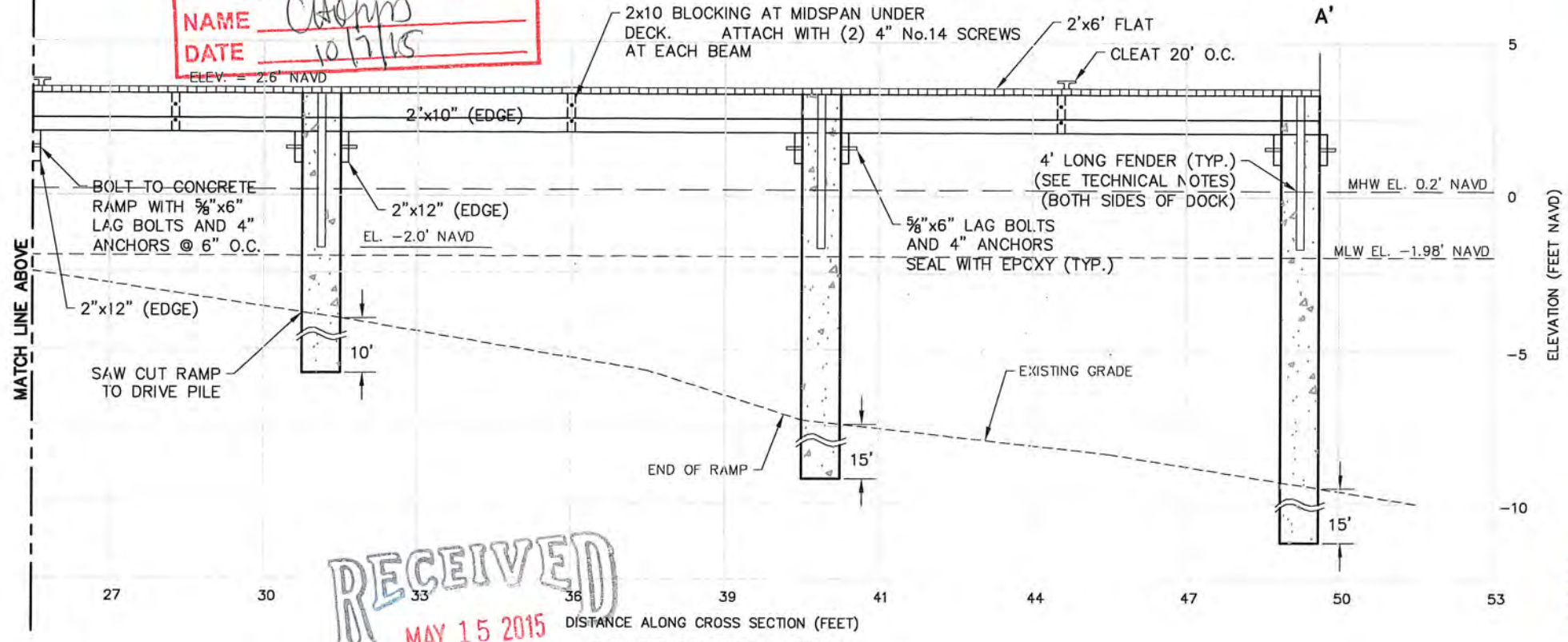
DRAWING NO. **PV-1**

SHEET 3 OF 15



**CENTER MARGINAL DOCK
CROSS SECTION A-A'**
SCALE: 1" = 3' HORIZONTAL
1" = 5' VERTICAL

**RER - NATURAL RESOURCES DIVISION
FINAL APPROVAL**
NAME Chapp
DATE 10/7/15



**CENTER MARGINAL DOCK
CROSS SECTION A-A'**
SCALE: 1" = 3' HORIZONTAL
1" = 5' VERTICAL

RECEIVED
MAY 15 2015
DERM
Environmental Resources Regulation Division

**Reviewed for CODE COMPLIANCE
City of Miami**

Signature	Date
P. Works	/ /
Fire Prev.	/ /
Planning	/ /
Zoning	/ /
Building	/ /
Structural	<u>gmc</u> <u>5/20/15</u>
Electrical	/ /
Plumbing	/ /
Mech	/ /
S. Waste	/ /
Elevator	/ /

**RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL**
NAME R. H. H. H.
DATE 5/22/15

NOTE:
DRIVE PILES IN PRESENCE OF SPECIAL INSPECTOR ONLY.
48 HOUR NOTICE REQUIRED.

PROFESSIONAL ENGINEER
DOUGLAS W. MANN
LICENSE No. 44046
STATE OF FLORIDA

PARKING LOT, BOAT RAMP AND MARINE STRUCTURES:
Douglas W. Mann
DATE 5/22/15
DOUGLAS W. MANN P.E. NO. 44046

CB&I Environmental and Infrastructure, Inc. 14350 COMMERCE WAY MIAMI LAKES, FLORIDA 33016 PH. (305) 818-1888 C.O.A. FL. #9317 www.CBI.com	REVISIONS <table border="1"> <tr><th>No.</th><th>Date</th><th>Description</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	No.	Date	Description									
	No.	Date	Description										
Checked by: AMB Reviewed by: DM Drawn by: GK Date: 3/07/13 Plot Scale: AS NOTED Comm. No.: 148570	CITY OF MIAMI, FLORIDA CURTIS PARK BOAT RAMP IMPROVEMENTS PROPOSED RAMP REPAIR DETAILS												



SPECIAL INSPECTOR

Notification to Building Department

Rev. 12-08-2014

I, (we) CBE Environmental Infrastructure Inc have been retained by City of Miami, the owner of the property referenced below, to perform Special Inspector services pursuant to the Florida Building Code, at the project located at 1901 NW 24th Ave Miami 33125, on the structures listed below, commencing on November 1, 2015. I am a Registered Architect or Professional Engineer licensed in the State of Florida.

PROCESS NUMBER: BD-4-002925-001

Check all that apply:

- Special Inspector for PILING, FBC 1822.1.20 or R4404.6.1.20
- Special Inspector for TRUSSES > 35' LONG or 6' HIGH, FBC 2319.17.2.4.2 or R4409.6.17.2.4.2
- Special Inspector for REINFORCED MASONRY, FBC 2122.2.4 or R4407.5.4
- Special Inspector for STEEL CONNECTIONS, FBC 2218.2 or R4408.5.2
- Special Inspector for SOIL COMPACTION, FBC 1820.3.1 or R4404.4.3.1 -
- Special Inspector for PRECAST UNITS AND ATTACHMENTS, FBC 1927.12 or R4405.9.12
- Special Inspector for CURTAIN WALL, FBC 2414.7 or R4410.5.7
- Special Inspector for STRUCTURAL GLAZING, FBC 2415.7.2 or R4410.6.6.2
- Special Inspector for _____

The following individual(s) are employed by me or my firm, and are my authorized representatives to perform inspections.*

1. DOUGLAS W MAWON
2. _____
3. _____
4. _____

**Special Inspectors utilizing authorized representatives shall insure that the Authorized Representative is qualified by education or licensure to perform the duties assigned by the Special Inspector. The qualifications shall include licensure as a Registered Architect or Professional Engineer; graduation from an engineering education program in civil or structural engineering; graduation from an architectural education program; successful completion of the NCEES Fundamentals Examination; or registration as a standard building inspector under Florida Statutes, Chapter 468; or licensure as a general contractor.*

I (we) will notify the City of Miami of any changes regarding authorized personnel performing inspections.

I (we) understand that a Special Inspector inspection log for each building must be displayed in a convenient location on the site for reference by the City of Miami Building Department Inspector.

Upon completion of the work under each Building Permit, I will submit to the Building Inspector at the time of final inspection the completed inspection log form and a sealed statement indicating that, to the best of my knowledge, belief and professional judgment those portions of the project outlined above meet the intent of the Florida Building Code, and are in substantial accordance with the approved set of plans.

Architect / Engineer

Name (print): DOUGLAS W MAWON

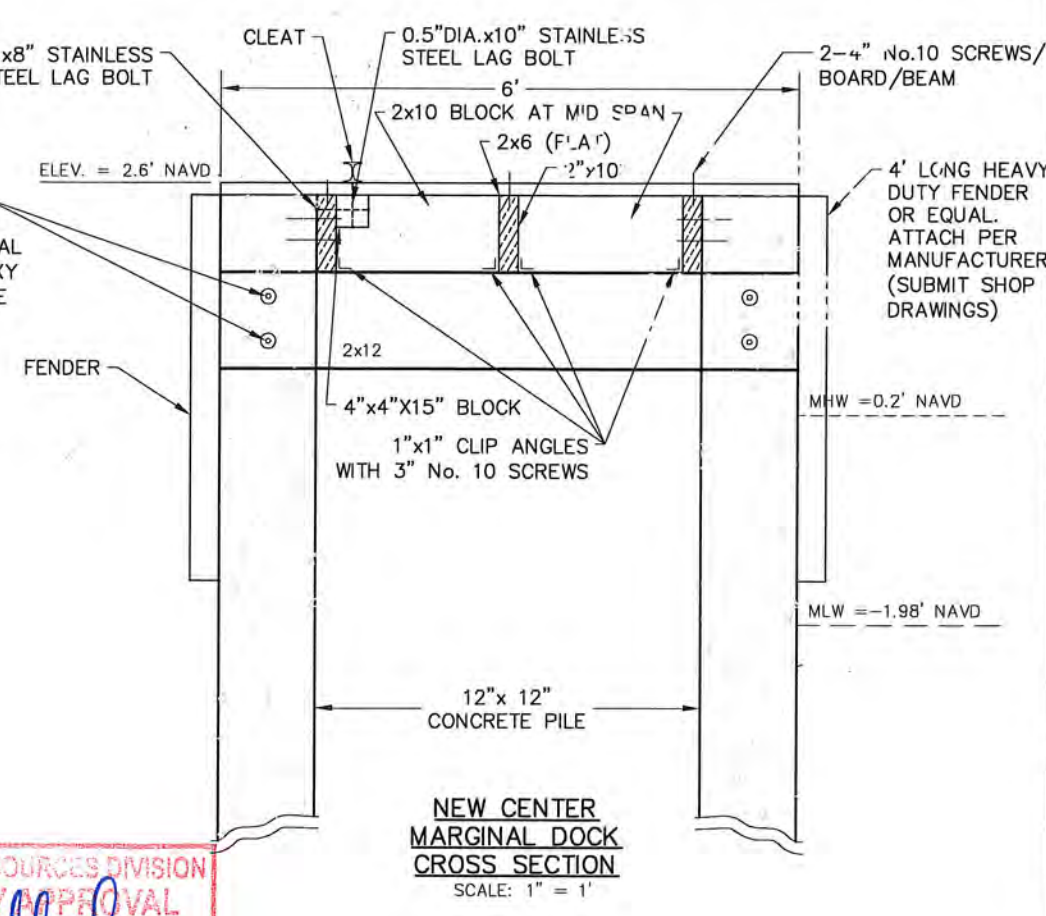
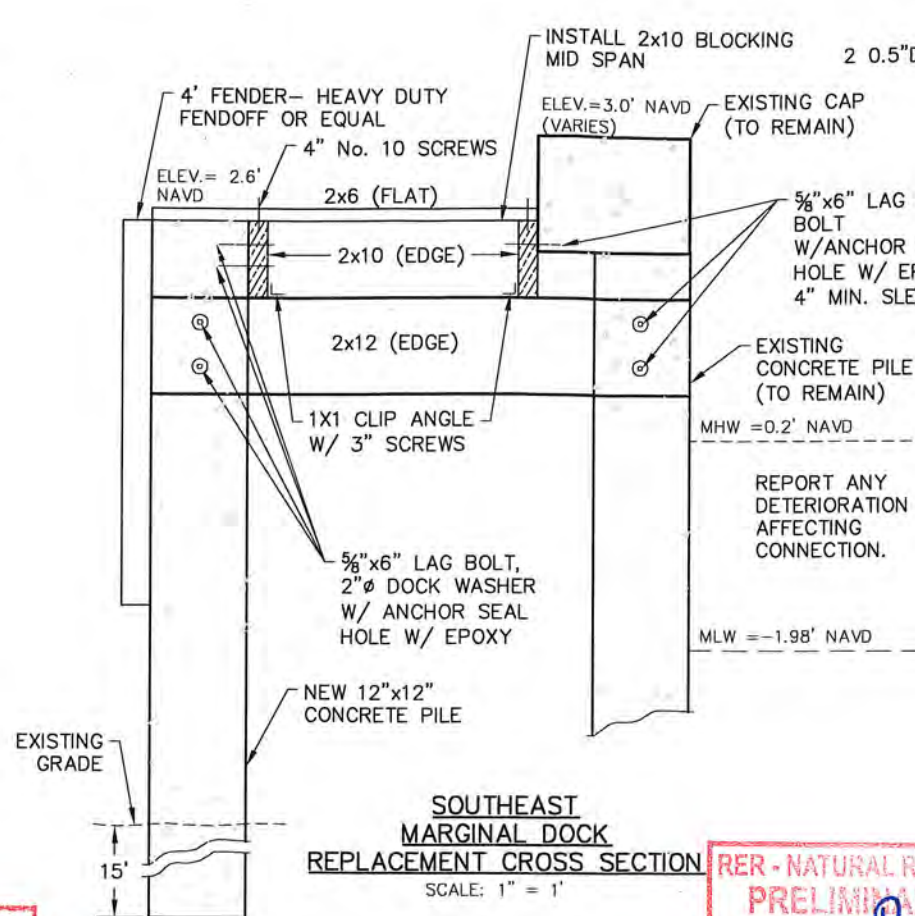
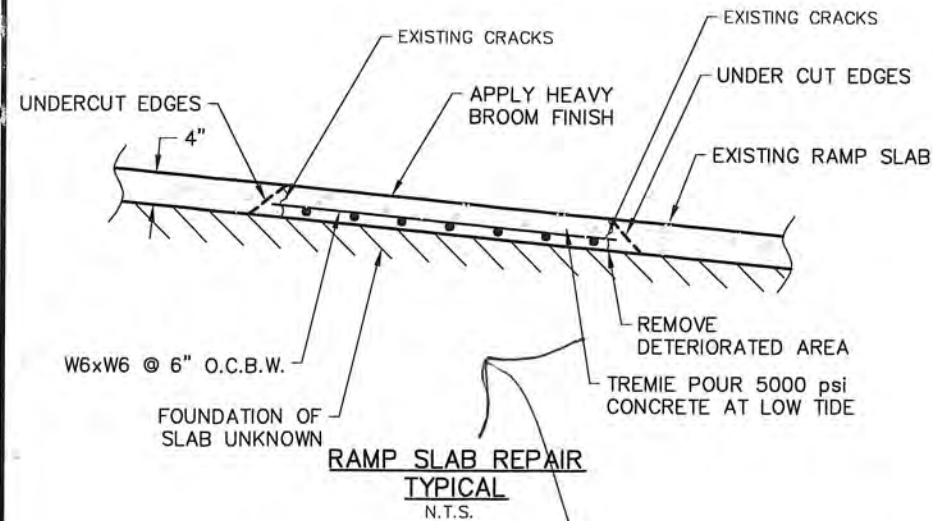
Firm: CBE Environmental Infrastructure Inc.

Address: 2481 New Southington Blvd, Boca Raton FL 33431

Telephone: 561 361 3148

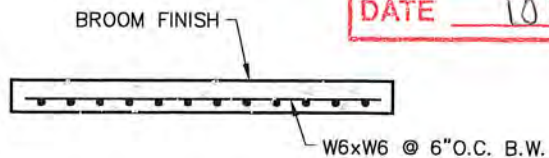


L



RER - NATURAL RESOURCES DIVISION FINAL APPROVAL
NAME Choppo
DATE 10/7/15

RER - NATURAL RESOURCES DIVISION PRELIMINARY APPROVAL
NAME R. H. H. H.
DATE 5/22/15

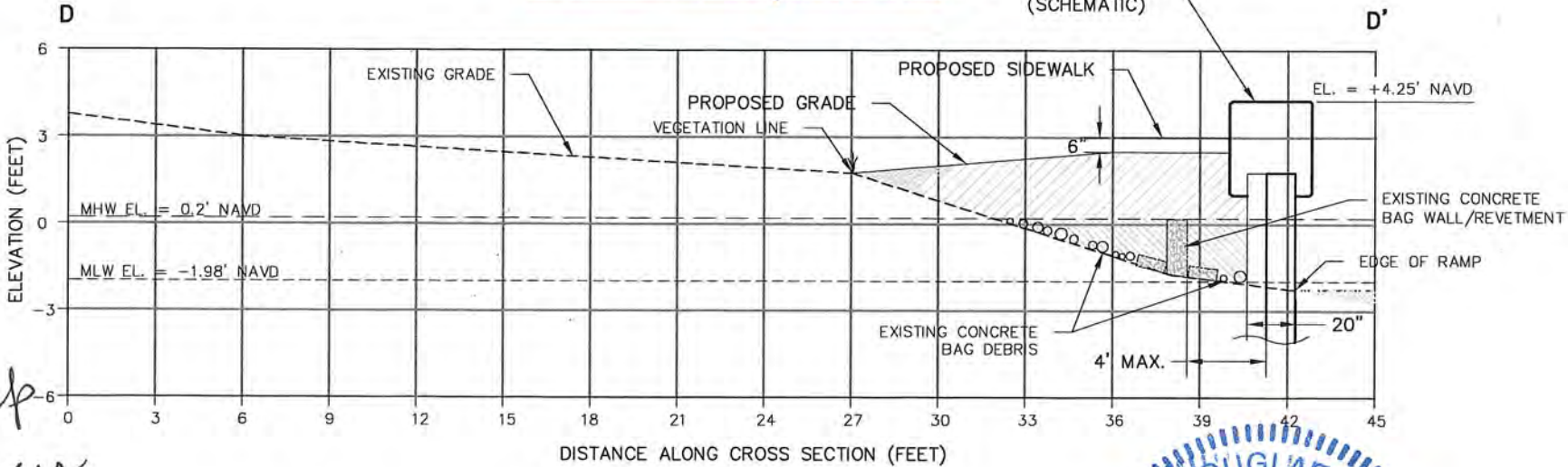


- NOTES:**
- 3/8" SAW CUT JOINTS, 1.5" DEEP WITHIN 96 HOURS EVERY 4'.
 - 1/2" EXPANSION JOINT WITH PREFORMED JOINT FILLER @ 28' O.C.

Reviewed for CODE COMPLIANCE City of Miami

	Signature	Date
P. Works		
Fire Prev.		
Planning		
Zoning	<u>Carroll</u>	<u>8/24/15</u>
Building	<u>SPR</u>	<u>8/20/15</u>
Structural		
Electrical		
Plumbing		
Mech		
S. Waste		
Elevator		

Ramp Repair



RECEIVED
MAY 15 2015

DOUGLAS W. MANN P.E. NO. 44046
STATE OF FLORIDA
PROFESSIONAL ENGINEER
PARKING LOT, BOAT RAMP AND MARINE STRUCTURES:
DATE 5/13/15

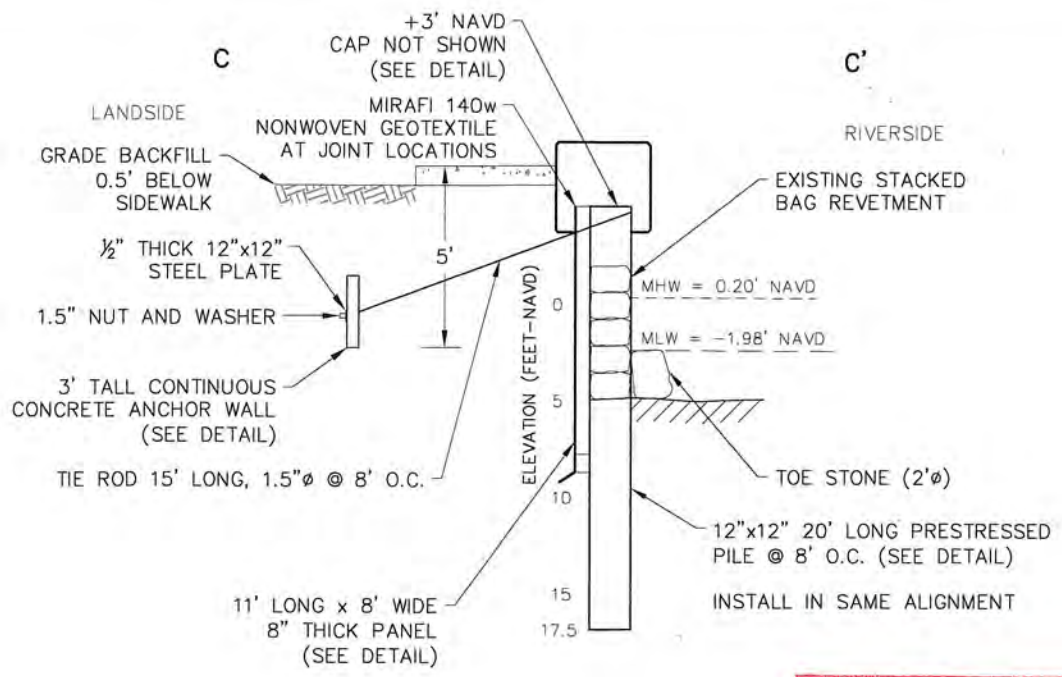
CB&I Environmental and Infrastructure, Inc.
14350 COMMERCE WAY
MIAMI LAKES, FLORIDA 33016
PH. (305) 816-1888
www.CBI.com
C.O.A. FL #9317

Checked by	Reviewed by	Submitted by	No.	Date
AMB	DM	DM	1	
DM	GK	DM	2	

Designed by: DM
Drawn by: GK
Date: 3/07/13
Plot Scale: AS NOTED
Comm. No.: 148570

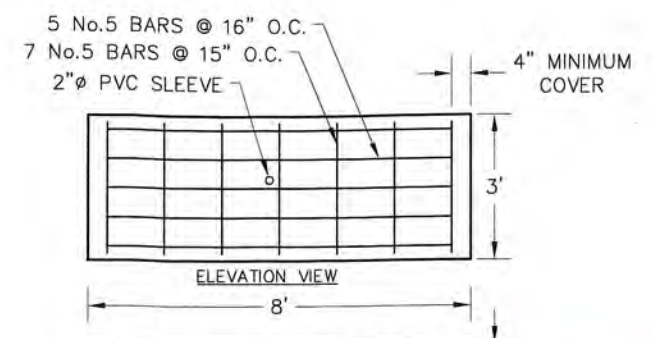
CITY OF MIAMI, FLORIDA
CURTIS PARK BOAT RAMP IMPROVEMENTS
PROPOSED RAMP REPAIR DETAILS

DRAWING NO. **D-2**
SHEET 5 OF 15

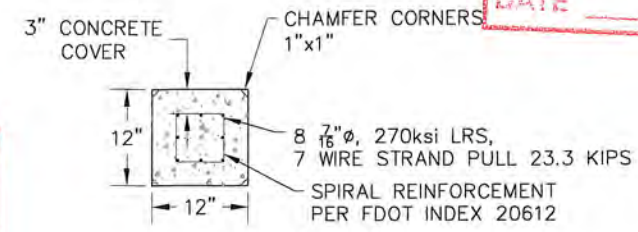


**BULK HEAD
CROSS SECTION C-C'**
N.T.S.

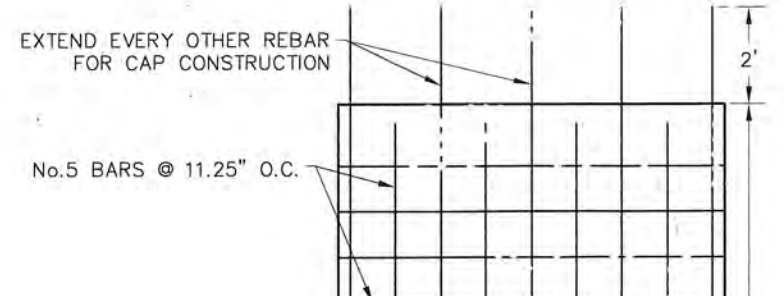
**RER - NATURAL RESOURCES DIVISION
FINAL APPROVAL**
NAME Chaym
DATE 5/22/15



ANCHOR SLAB
SCALE: 1" = 2'

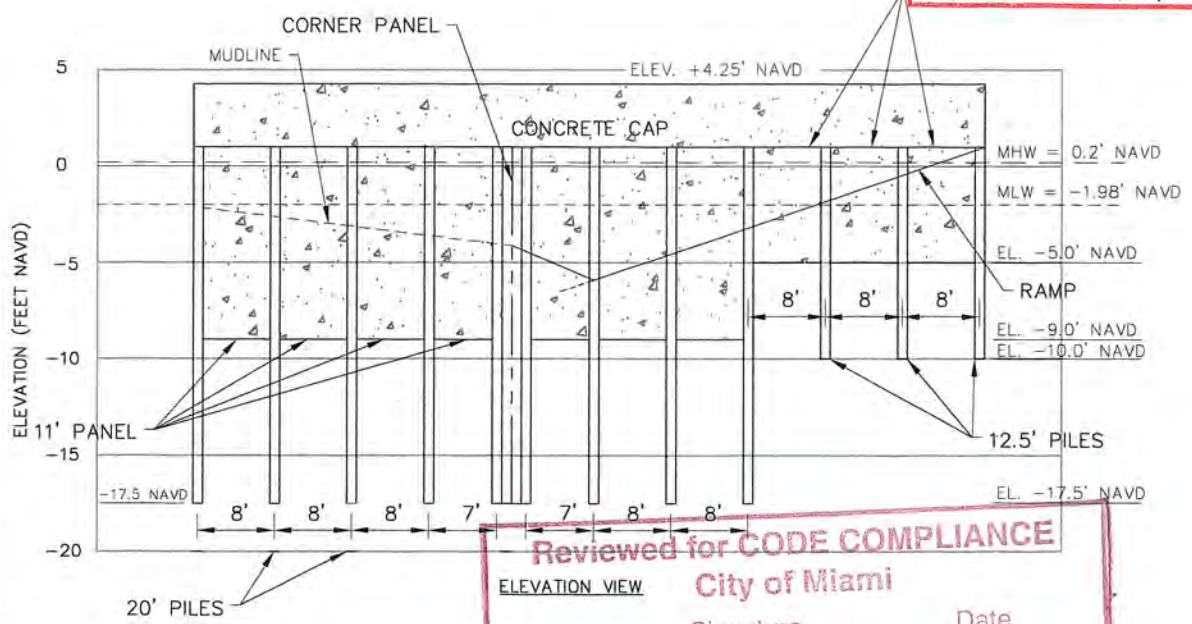


**12"x12"
PRESTRESSED DOCK
AND BULKHEAD PILE**
SCALE: 1" = 1'



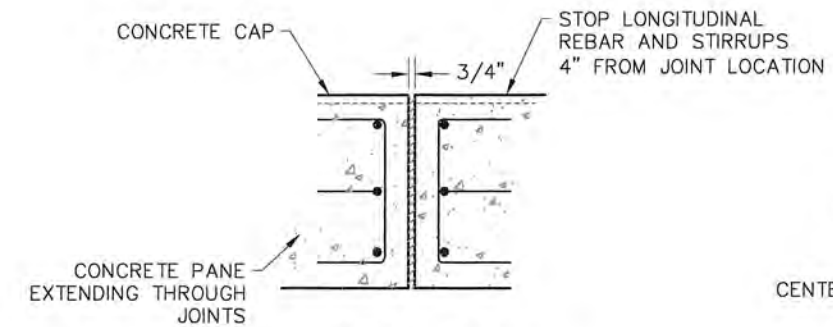
**BULKHEAD PANEL
DETAIL**
SCALE: 1" = 2'

**RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL**
NAME R. Alfale
DATE 5/22/15



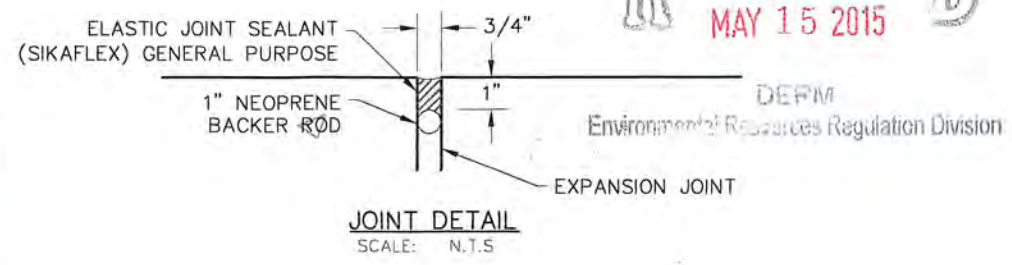
Reviewed for CODE COMPLIANCE
City of Miami

Signature	Date
<u>[Signature]</u>	<u>8/20/15</u>
Fire Prev.	
Planning	
Zoning	
Building	
Structural	
Electrical	
Plumbing	
Mech	
S. Waste	
Elevator	

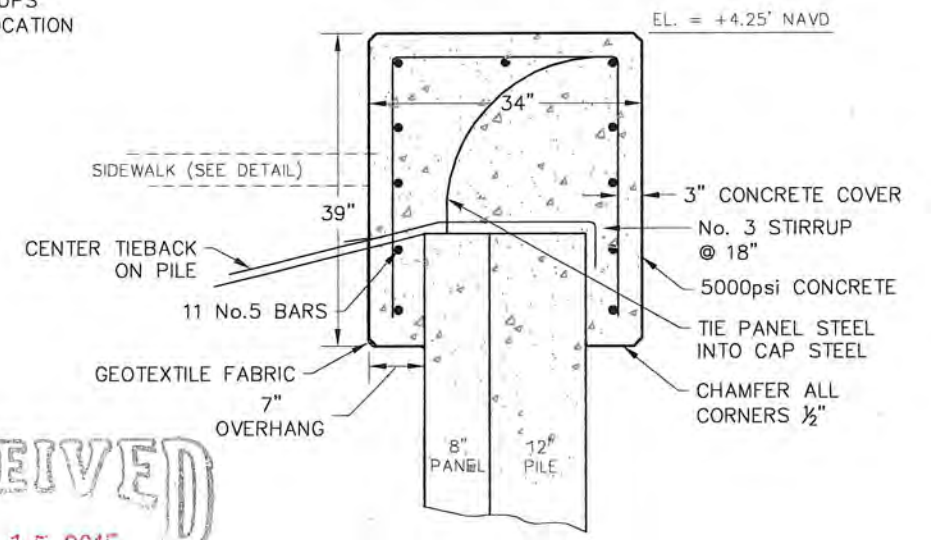


**CONCRETE CAP
EXPANSION JOINT DETAIL**
SCALE: 1" = 1'

JOINT SHALL BE LOCATED AT INTERVALS NO LARGER THAN 30 L.F.
SEE GENERAL NOTES FOR MORE DETAIL.



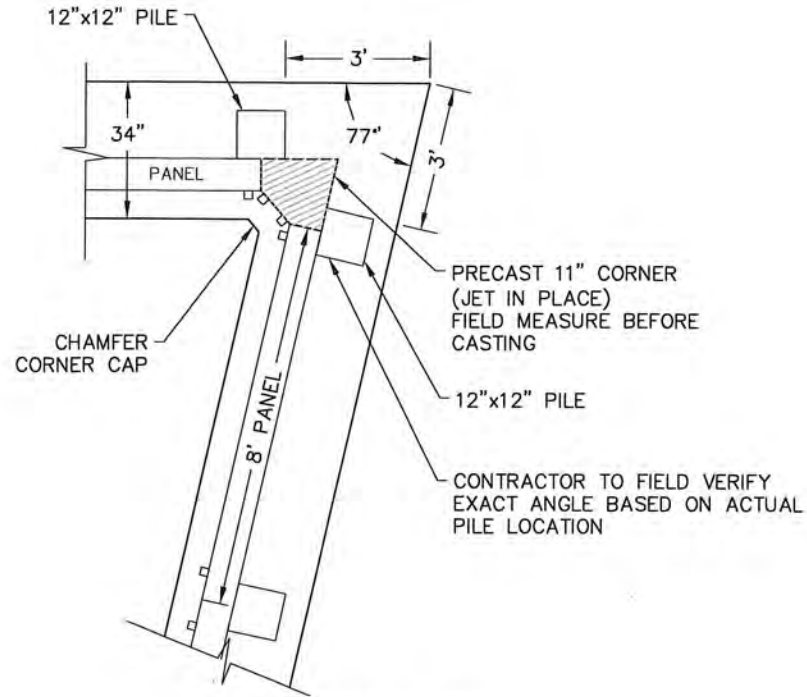
JOINT DETAIL
SCALE: N.T.S.



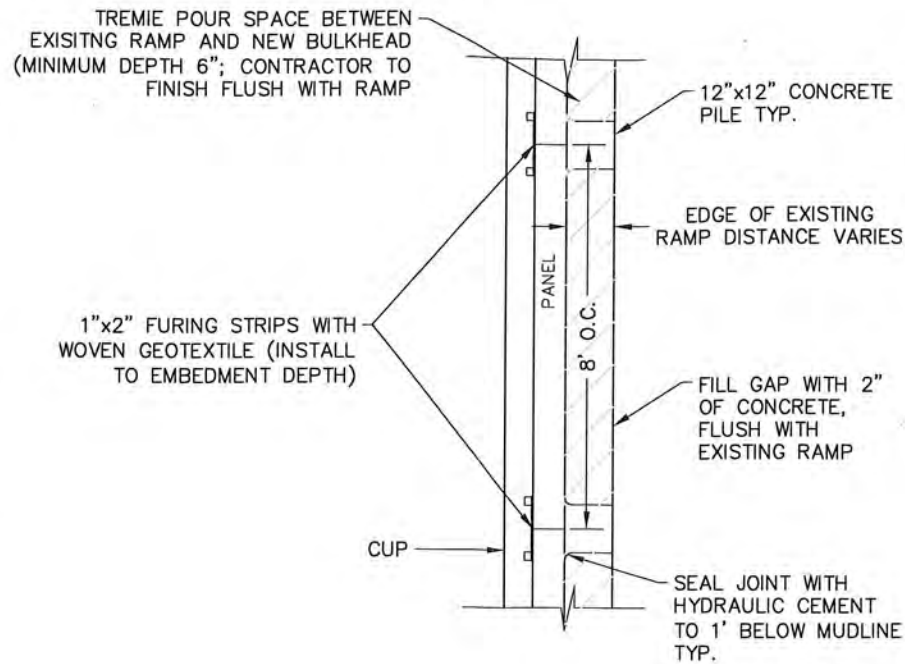
CONCRETE CAP DETAIL
SCALE: 1" = 1'

RECEIVED
MAY 15 2015

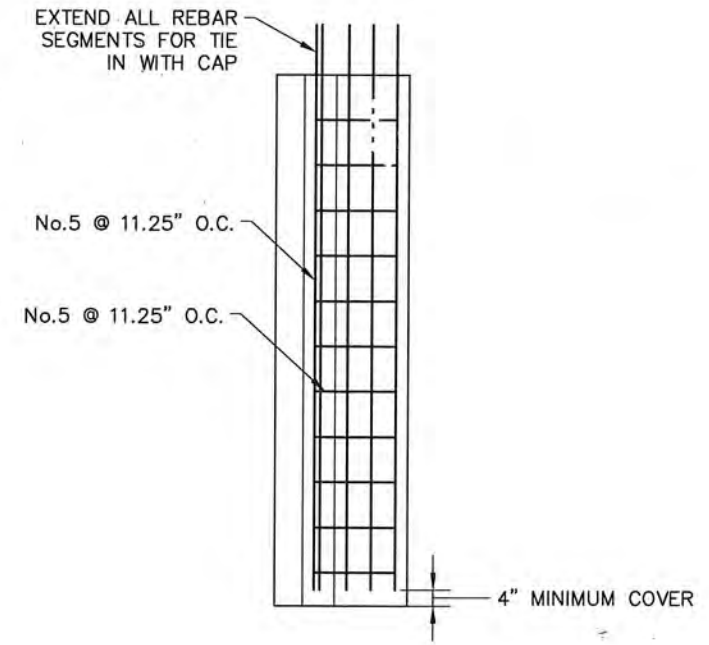
DOUGLAS W. MANN
LICENSE
No. 44046
STATE OF FLORIDA
PROFESSIONAL ENGINEER
PARKING LOT, BOAT RAMP, AND MARINE STRUCTURES:
DATE 5/12/15
DOUGLAS W. MANN P.E. NO. 44046



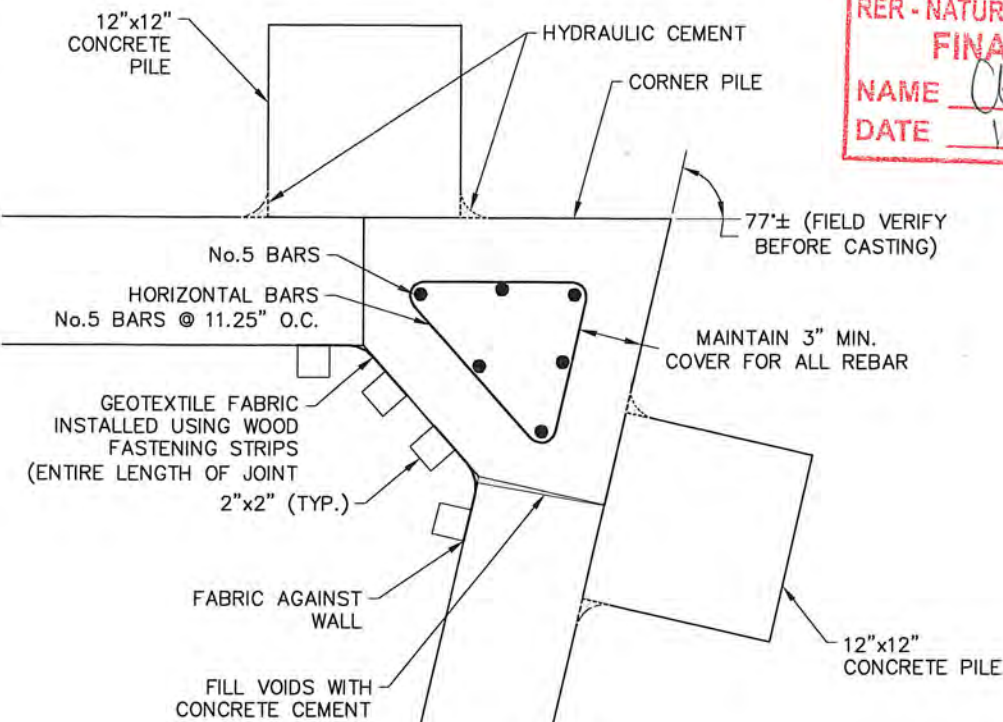
CORNER LAYOUT DETAIL
SCALE: 1" = 2'



PILE/PANEL LAYOUT DETAIL
SCALE: 1" = 2'



CORNER PANEL DETAIL
SCALE: 1" = 2'



CORNER PILE DETAIL
SCALE: 1" = 1/2'

RER - NATURAL RESOURCES DIVISION
FINAL APPROVAL
NAME Chompo
DATE 10/7/15

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME R. H. Hale
DATE 5/22/15

Reviewed For CODE COMPLIANCE
C. J. LFM: j
Signature _____ Date _____

P. Works	_____	_____
Fire Prev.	_____	_____
Planning	_____	_____
Zoning	_____	_____
Building	_____	_____
Structural	<u>JWH</u>	<u>8/20/15</u>
Electrical	_____	_____
Plumbing	_____	_____
Mech	_____	_____
S. Waste	_____	_____
Elevator	_____	_____

RECEIVED
MAY 15 2015

DERM
Environmental Resources Regulation Division

DOUGLAS W. MANN
LICENSE
No. 44046
STATE OF FLORIDA
PROFESSIONAL ENGINEER

PARKING LOT, BOAT RAMP AND MARINE STRUCTURES:

Douglas W. Mann
DOUGLAS W. MANN P.E. NO. 44046

DATE 5/12/15

DRAWING NO. D-4

SHEET 7 OF 15

Reference Files:

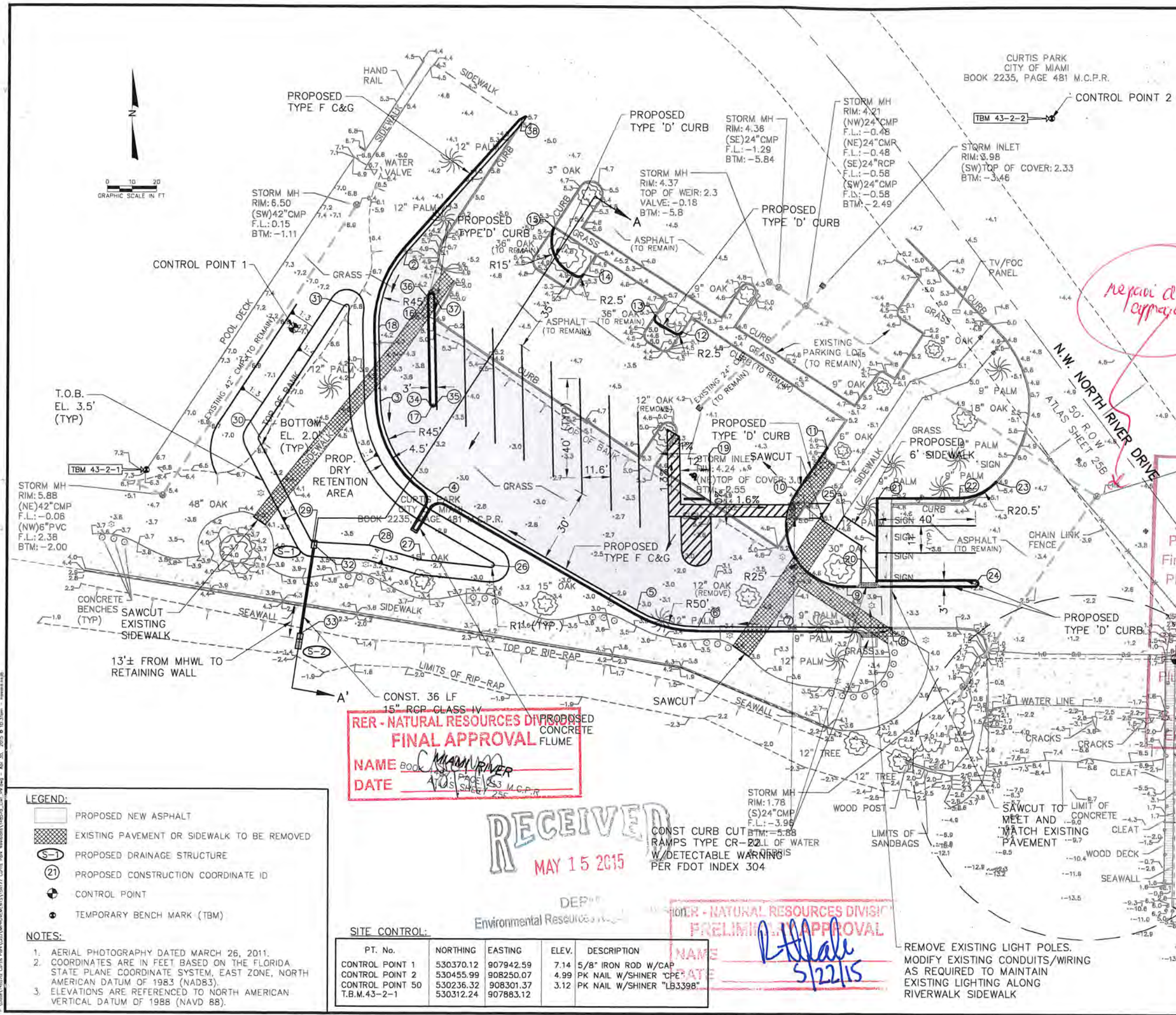
Designed by:	DM
Drawn by:	GK
Date:	3/07/13
Plot Scale:	AS NOTED
Checked by:	AMB
Reviewed by:	DM
Submitted by:	DM
Comm. No.:	148570

CITY OF MIAMI, FLORIDA
CURTIS PARK BOAT RAMP IMPROVEMENTS
PROPOSED RAMP REPAIR DETAILS

CB&I Environmental and Infrastructure, Inc.
14350 COMMERCE WAY
MIAMI LAKES, FLORIDA 33016
PH. (305) 816-1888
www.CBI.com
C.O.A. FL #9317

PROPOSED CONSTRUCTION COORDINATE TABLE

PT #	NORTHING	EASTING	ELF.V.	NOTES
38	530451.14	908036.66	M.E.	MATCH EXISTING
2	530401.29	907988.47	4.70	PC
3	530340.57	907977.89	4.06	PC
4	530302.73	908000.45	3.78	PT, L/W FT
5	530255.59	908082.45	4.10	PC
6	530248.93	908107.31	4.26	PT
7	530248.91	908109.24	4.30	P.O.L.
8	530248.89	908185.97	M.E.	MATCH EXISTING
9	530265.21	908167.77	4.67	PT
10	530304.31	908146.98	M.E.	PC, MATCH EXISTING
11	530322.25	908159.24	M.E.	MATCH EXISTING
12	530368.95	908100.46	M.E.	MATCH EXISTING
13	530375.89	908089.14	M.E.	MATCH EXISTING
14	530392.20	908060.28	M.E.	MATCH EXISTING
15	530411.33	908047.77	M.E.	MATCH EXISTING
16	530383.14	907998.29	5.27	RAD. PT
17	530339.64	907999.43	5.00	RAD. PT
18	530370.23	907977.12	4.38	PT
19	530319.56	908111.49		EXISTING
20	530268.28	908179.91	3.86	CORNER
21	530301.28	908179.89	4.95	CORNER
22	530301.46	908213.30	4.57	PC
23	530308.17	908228.36	M.E.	MATCH EXISTING
24	530267.00	908219.91	3.35	RAD. PT
25	530294.23	908166.39	M.E.	MATCH EXISTING
26	530273.92	908023.47	2.00	RAD. PT
27	530275.84	907994.94	2.00	BOT. PI
28	530281.82	907973.63	2.00	BOT. PI
29	530284.05	907950.86	2.00	RAD. PT
30	530325.45	907929.46	2.00	RAD. PT
31	530378.75	907964.06	2.00	RAD. PT
32	530281.98	907951.32		S-1 STRUCTURE
33	530245.76	907945.94		S-2 STRUCTURE
34	530339.60	907997.93	4.45	PC
35	530339.68	908000.93	4.55	PT
36	530383.10	907996.80	4.72	PC
37	530383.18	907999.79	4.82	PT



RER - NATURAL RESOURCES DIVISION
FINAL APPROVAL
 NAME BOOK 2235 PAGE 481 M.C.P.R.
 DATE 4/15/15

Review for CODE COMPLIANCE
 City of Miami
 Signature _____ Date 5/24/15
 P. Works
 Fire Prev.
 Planning
 Zoning
 Floodplain
 Mech
 Waste
 Elevator

PROFESSIONAL ENGINEER
 DOUGLAS W. MANN
 LICENSE No. 31000
 STATE OF FLORIDA
 SEE SHEET 3 FOR PROPOSED DOCK AND BOAT RAMP IMPROVEMENTS
 PARKING LOT, BOAT RAMP AND MARINE STRUCTURES:
 Signature _____ DATE 5/12/15
 DOUGLAS W. MANN P.E. NO. 44046

SITE CONTROL:

PT. No.	NORTHING	EASTING	ELEV.	DESCRIPTION
CONTROL POINT 1	530370.12	907942.59	7.14	5/8" IRON ROD W/CAP
CONTROL POINT 2	530455.99	908250.07	4.99	PK NAIL W/SHINER "CPE"
CONTROL POINT 50	530236.32	908301.37	3.12	PK NAIL W/SHINER "LB3398"
T.B.M.43-2-1	530312.24	907883.12		

- LEGEND:**
- PROPOSED NEW ASPHALT
 - EXISTING PAVEMENT OR SIDEWALK TO BE REMOVED
 - PROPOSED DRAINAGE STRUCTURE
 - PROPOSED CONSTRUCTION COORDINATE ID
 - CONTROL POINT
 - TEMPORARY BENCH MARK (TBM)
- NOTES:**
- AERIAL PHOTOGRAPHY DATED MARCH 26, 2011.
 - COORDINATES ARE IN FEET BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83).
 - ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

CB&I Environmental and Infrastructure, Inc.
 14350 COMMERCE WAY
 MIAMI LAKES, FLORIDA 33016
 PH. (305) 818-1888
 C.O.A. FL #8317
 www.cbci.com

REVISIONS:

No.	Date	Description
1	5/27/15	WASHBURNS SUBMISSION
2	5/27/15	WASHBURNS SUBMISSION

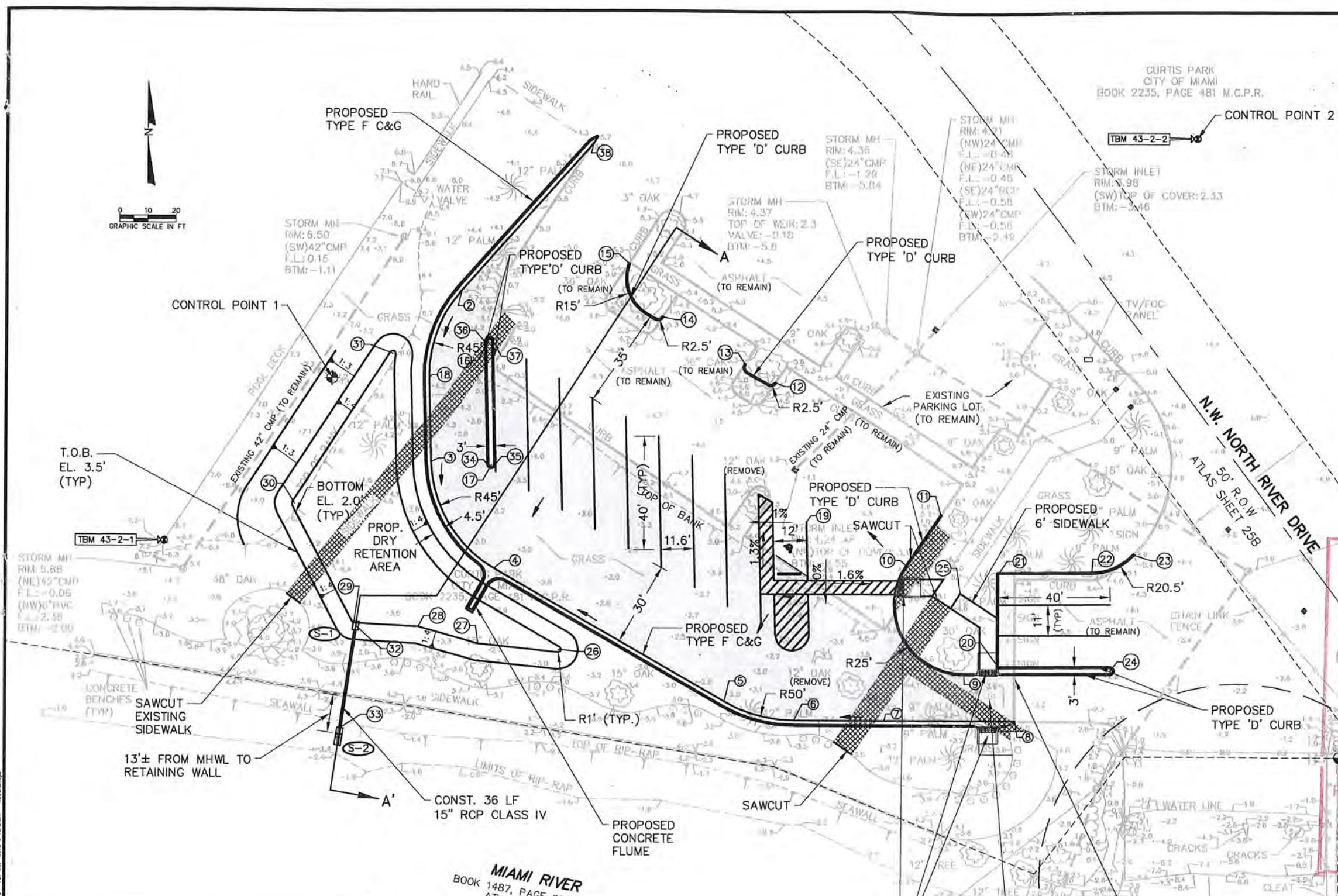
Checked by: AMB
 Reviewed by: DM
 Drawn by: CK
 Date: 3/07/15
 Plot Scale: AS NOTED
 Comm. No: 148570
 AS NOTED

CITY OF MIAMI, FLORIDA
 CURTIS PARK BOAT RAMP IMPROVEMENTS
 PROPOSED PAVING, GRADING AND DRAINAGE PARKING IMPROVEMENTS
 DRAWING NO. PV-2
 SHEET 8 OF 15



PROPOSED CONSTRUCTION COORDINATE TABLE

PT #	NORTHING	EASTING	ELEV.	NOTES
1	530451.14	908036.68	M.L.	MATCH EXISTING
2	530401.29	907988.47	4.70	PC
3	530340.57	907977.89	4.06	PC
4	530302.73	908000.45	3.78	PT, LOW PT
5	530255.59	908082.45	4.16	PC
6	530248.93	908107.34	4.26	PT
7	530248.91	908139.29	4.53	P.C.L
8	530248.89	908185.47	M.F.	MATCH EXISTING
9	530285.21	908167.77	7.67	PT
10	530304.31	908146.98	M.E.	PC, MATCH EXISTING
11	530322.25	908159.24	M.E.	MATCH EXISTING
12	530368.95	908100.46	M.E.	MATCH EXISTING
13	530375.89	908089.14	M.E.	MATCH EXISTING
14	530392.20	908060.28	M.E.	MATCH EXISTING
15	530411.33	908047.77	M.E.	MATCH EXISTING
16	530383.14	907998.29	4.27	RAD. PT
17	530339.64	907999.43	5.00	RAD. PT
18	530370.23	907977.12	4.38	PT
19	530319.56	908111.49		EXISTING
20	530288.28	908179.91	3.86	CORNER
21	530301.28	908179.89	4.95	CORNER
22	530301.46	908213.30	4.57	PC
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25	530294.23	908166.39	M.E.	MATCH EXISTING
26	530273.92	908023.47	2.00	RAD. PT
27	530275.84	907994.94	2.00	BOT. PI
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29	530284.05	907950.86	2.00	RAD. PT
30	530325.45	907929.46	2.00	RAD. PT
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35	530339.68	908000.93	4.55	PT
36	530383.10	907996.80	4.72	PC
37	530383.18	907999.79	4.82	PT



Reviewed for CODE COMPLIANCE
City of Miami

Signature: *Muhammad* Date: 8/24/15

CONTROL POINT 50

Sanitary Manhole in Cold Pipes Do Not Enter Subject Tract

Professional Engineer Seal: DOUGLAS W. MANN, No. 44046, STATE OF FLORIDA

LEGEND:

- PROPOSED NEW ASPHALT
- EXISTING PAVEMENT OR SIDEWALK TO BE REMOVED
- PROPOSED DRAINAGE STRUCTURE
- PROPOSED CONSTRUCTION COORDINATE ID
- CONTROL POINT
- TEMPORARY BENCH MARK (TBM)

NOTES:

- AERIAL PHOTOGRAPHY DATED MARCH 26, 2011.
- COORDINATES ARE IN FEET BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83).
- ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

SITE CONTROL:

PT. No.	NORTHING	EASTING	ELEV.	DESCRIPTION
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CONTROL POINT 50	530236.32	908301.37	3.12	PK NAIL W/SHINER "LB3398"
T.B.M.43-2-1	530312.24	907883.12		

RECEIVED
MAY 15 2015
DERM
Environmental Resources Regulation

REMOVE EXISTING LIGHT POLES.
MODIFY EXISTING CONDUITS/WIRING
AS REQUIRED TO MAINTAIN
EXISTING LIGHTING ALONG
RIVERWALK SIDEWALK

PARKING LOT, BOAT RAMP AND MARINE STRUCTURES:
DATE: 5/12/15
DOUGLAS W. MANN P.E. NO. 44046

CB&I Environmental and Infrastructure, Inc.
PH. (305) 818-1888
C.O.A. FL. #6317

14350 COMMERCE WAY
MIAMI LAKES, FLORIDA 33016
www.CBI.com

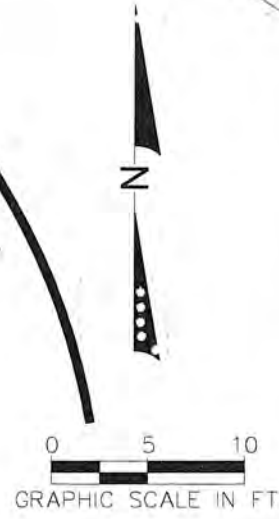
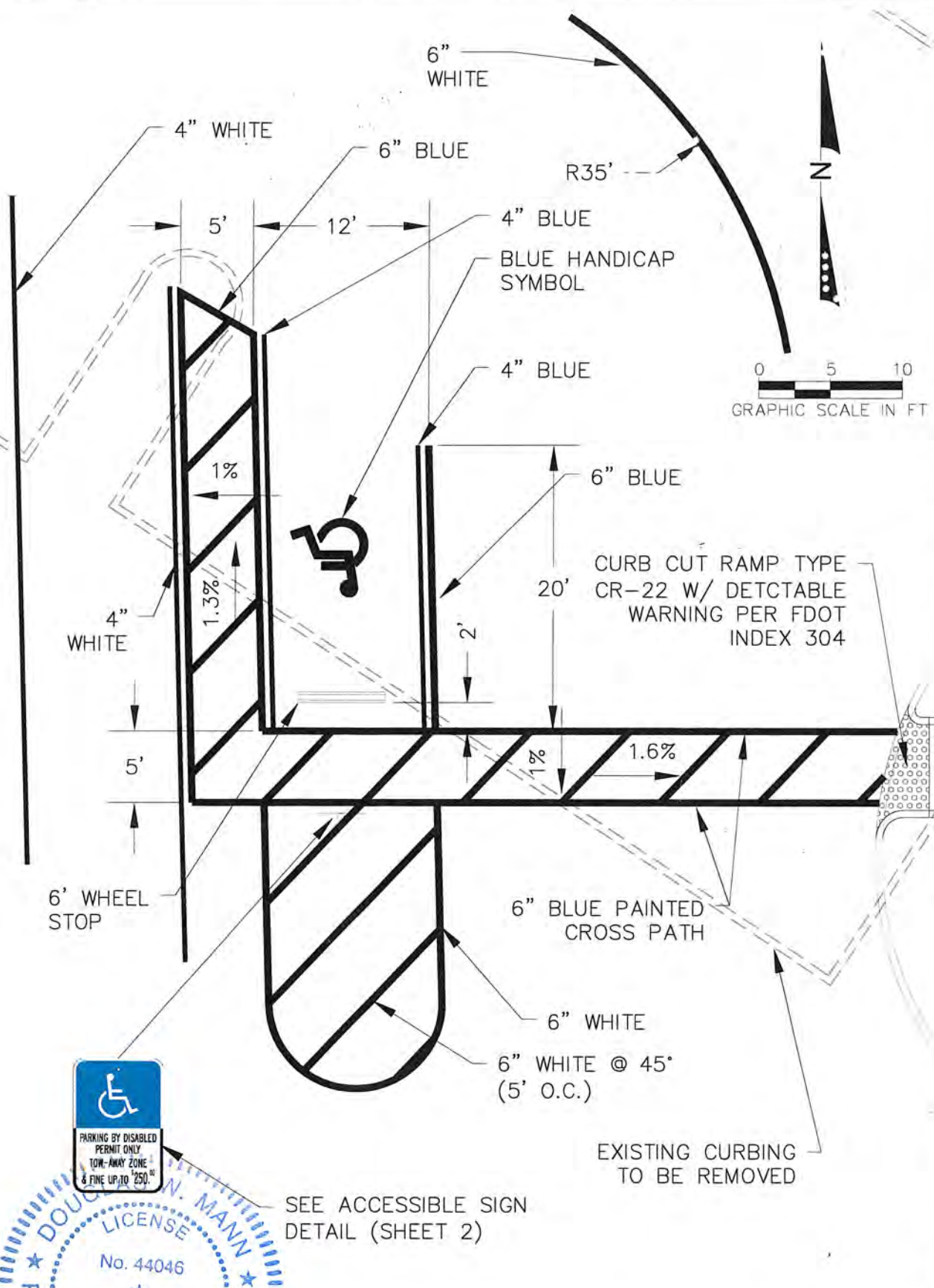
DESIGNED BY: DM
CHECKED BY: AMB
DRAWN BY: GK
DATE: 3/07/13
PLT. SCALE: AS NOTED

REVISIONS:

No.	Description	Date
1	15/2/15	
2	05/27/15	

CITY OF MIAMI, FLORIDA
CURTIS PARK BOAT RAMP IMPROVEMENTS
PROPOSED PAVING, GRADING AND DRAINAGE PARKING IMPROVEMENTS
DRAWING NO. PV-2
SHEET 8 OF 15

P:\Dade\148570 Curtis Park\CAD\IMPROVEMENTS\15154177 Curtis Park Revisions\148570_Civil_Striping.dwg - Jul 02, 2015 @ 3:35pm - howard.nejib



SEE ACCESSIBLE SIGN
DETAIL (SHEET 2)

PROFESSIONAL ENGINEER
DOUG W. MANN
 LICENSE No. 44046
 STATE OF FLORIDA
 REGISTERED PROFESSIONAL ENGINEER

DOUG W. MANN P.E. NO. 44046

7/27/15
 DATE

REVISIONS		
DATE	BY	DESCRIPTION

CITY OF MIAMI, FLORIDA
CURTIS PARK BOAT RAMP IMPROVEMENTS
ACCESSIBLE PARKING ENLARGED VIEW

CB&I ENVIRONMENTAL AND INFRASTRUCTURE, INC.
 14350 COMMERCE WAY
 MIAMI LAKES, FLORIDA 33016
 PH. (305) 818-1888
 www.CBI.com
 G.O.A. FL #9317

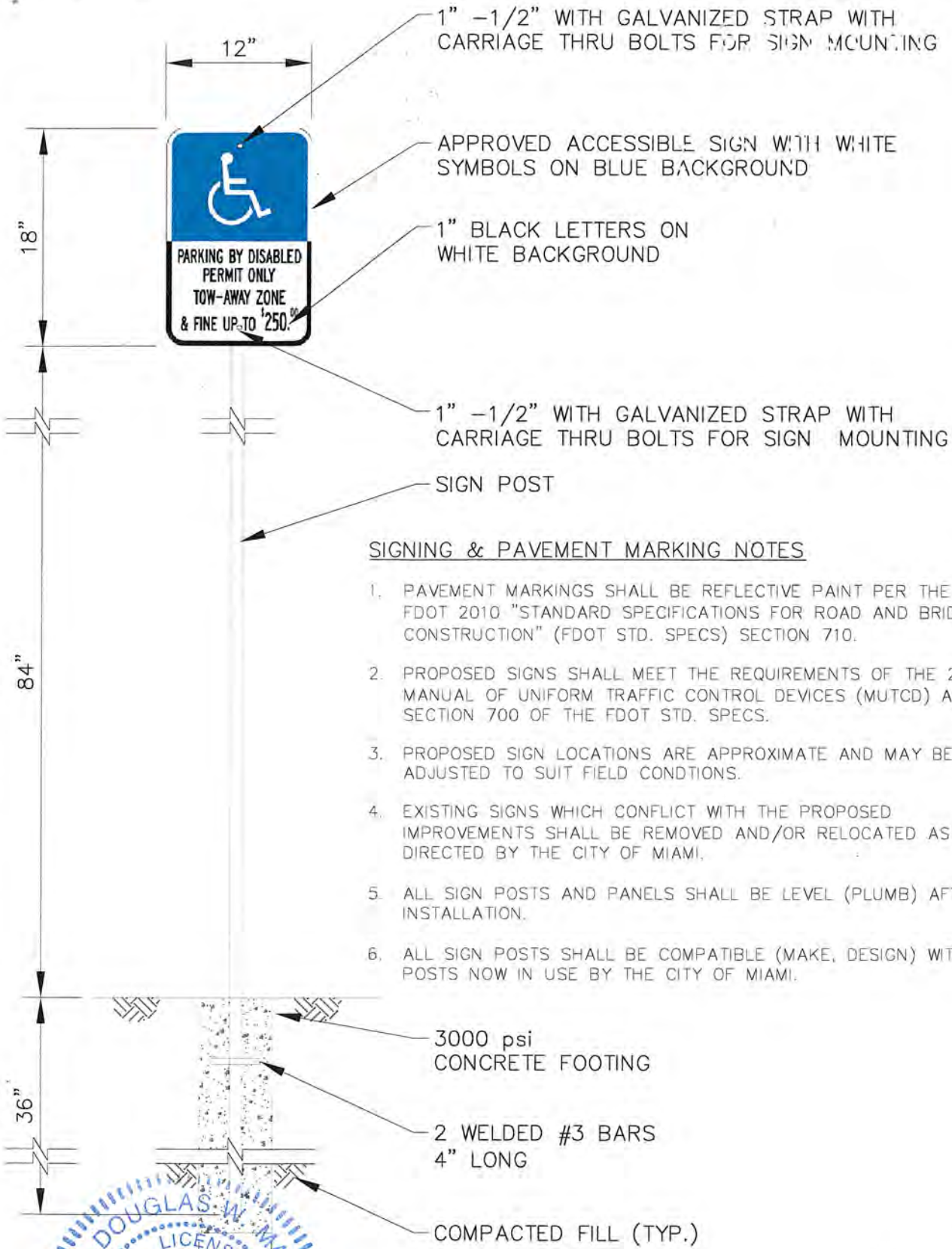
DATE: 7/1/2015

BY: HN

COMM NO.: 148570

SHEET: 1 OF 2

P:\Dade\148570 Curtis Park\CAD\IMPROVEMENTS\154177 Curtis Park Revisions\148570_Civil_Stripping.dwg - Jul 02, 2015 @ 3:36pm - howard.nejib



1" -1/2" WITH GALVANIZED STRAP WITH CARRIAGE THRU BOLTS FOR SIGN MOUNTING

APPROVED ACCESSIBLE SIGN WITH WHITE SYMBOLS ON BLUE BACKGROUND

1" BLACK LETTERS ON WHITE BACKGROUND

1" -1/2" WITH GALVANIZED STRAP WITH CARRIAGE THRU BOLTS FOR SIGN MOUNTING

SIGN POST

SIGNING & PAVEMENT MARKING NOTES

1. PAVEMENT MARKINGS SHALL BE REFLECTIVE PAINT PER THE FDOT 2010 "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (FDOT STD. SPECS) SECTION 710.
2. PROPOSED SIGNS SHALL MEET THE REQUIREMENTS OF THE 2009 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND SECTION 700 OF THE FDOT STD. SPECS.
3. PROPOSED SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO SUIT FIELD CONDITIONS.
4. EXISTING SIGNS WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND/OR RELOCATED AS DIRECTED BY THE CITY OF MIAMI.
5. ALL SIGN POSTS AND PANELS SHALL BE LEVEL (PLUMB) AFTER INSTALLATION.
6. ALL SIGN POSTS SHALL BE COMPATIBLE (MAKE, DESIGN) WITH POSTS NOW IN USE BY THE CITY OF MIAMI.

3000 psi CONCRETE FOOTING

2 WELDED #3 BARS 4" LONG

COMPACTED FILL (TYP.)



[Signature]
DOUG W. MANN, P.E. NO. 44046

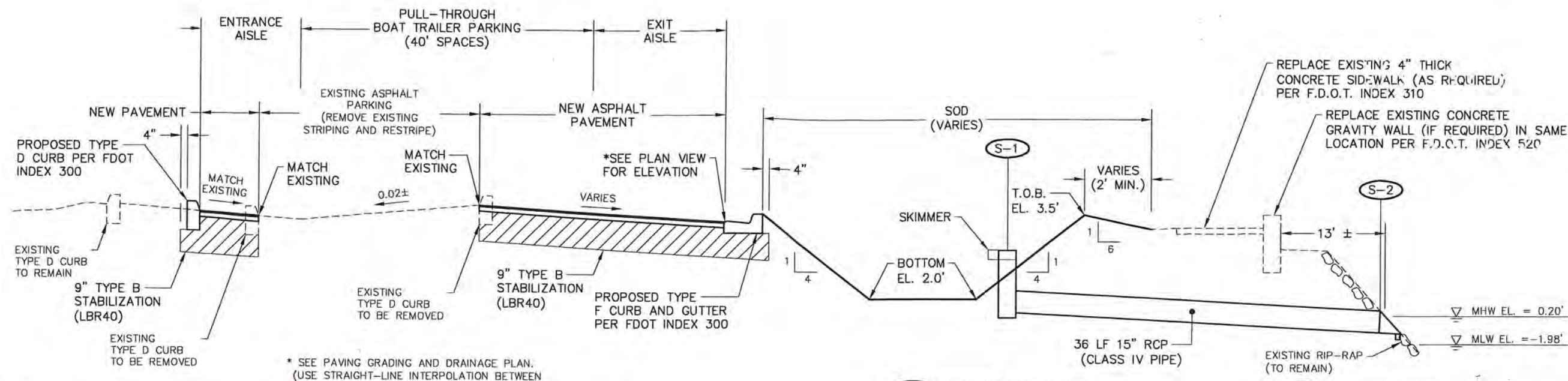
7/2/15
DATE

REVISIONS		
DATE	BY	DESCRIPTION

CITY OF MIAMI, FLORIDA
CURTIS PARK BOAT RAMP IMPROVEMENTS
PARKING ACCESSIBLE SIGN DETAIL

CB&I ENVIRONMENTAL AND INFRASTRUCTURE, INC.
 PH. (305) 816-1888
 14350 COMMERCE WAY
 MIAMI LAKES, FLORIDA 33196
 www.CBI.com
 G.O.A. FL #9317

 DATE: 7/1/2015
 BY: HN
 COMM NO.: 148570
 SHEET: 2 OF 2



PROPOSED PAVEMENT STRUCTURE
 1.5" TYPE SP-9.5 ASPHALTIC CONCRETE OVER
 OPTIONAL BASE COURSE (GROUP 4) OVER
 9" TYPE B STABILIZATION (LBR 40).

PERMITTED OPTIONAL BASES
 4" TYPE B-12 ASPHALT BASE COURSE

* SEE PAVING GRADING AND DRAINAGE PLAN.
 (USE STRAIGHT-LINE INTERPOLATION BETWEEN
 CRITICAL POINTS SHOWN ON PLAN)

S-1 CONSTRUCT DITCH BOTTOM
 INLET TYPE E (MOD)
 SEE DETAILS SHEET 9
 GRATE EL. 3.20'
 FL EL. -0.80'

S-2 CONSTRUCT U-TYPE
 CONCRETE ENDWALL
 PER F.D.O.T. INDEX 260
 (WITH ALTERNATE G GATE)
 FL EL. -0.97'

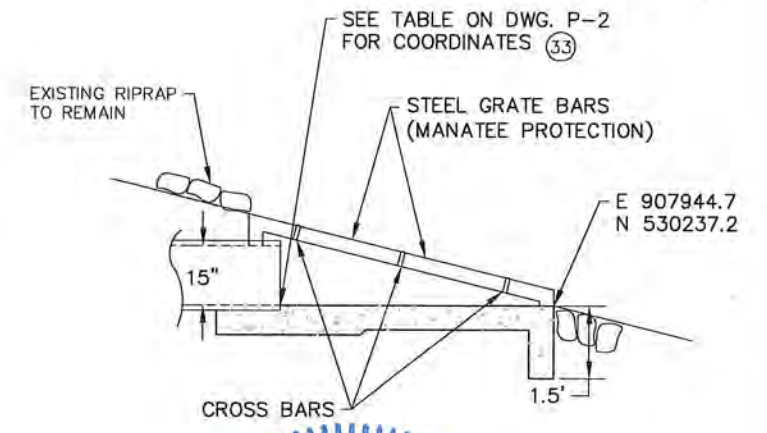
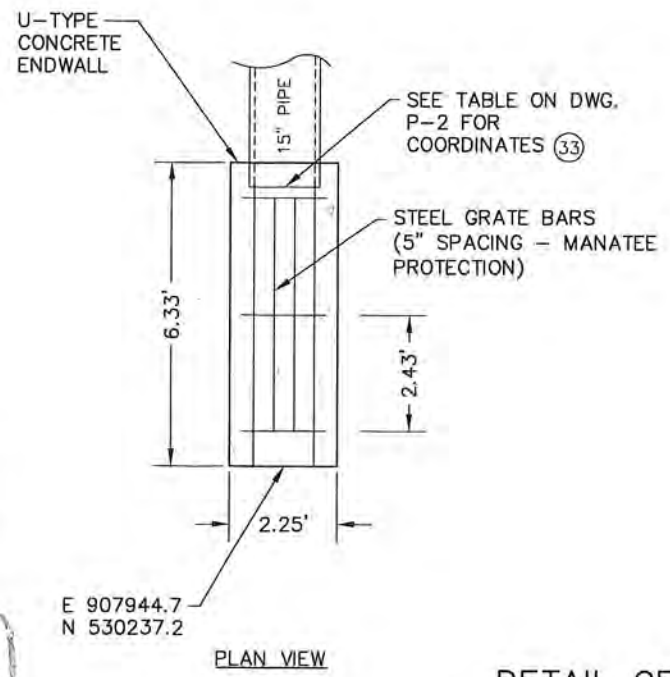
**TYPICAL SECTION
 SECTION A-A'**
 (N.T.S.)

Rev	Description	Date
1	P.V.	
2	Fire	
3	Plan	
4	Zc	
5	Buil.	
6	Struct	

Handwritten: 5/12/15 8 20 15

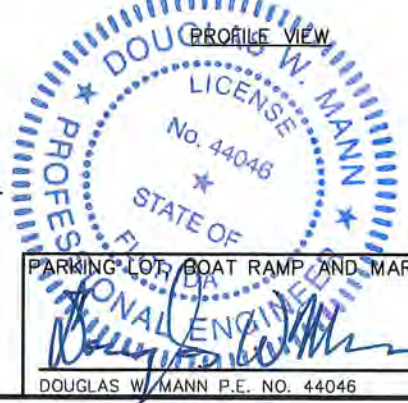
GENERAL CONSTRUCTION NOTES:

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE:
 - CONTRACT DOCUMENT AND ANY TECHNICAL SPECIAL PROVISIONS PREPARED SPECIFICALLY FOR THIS PROJECT.
 - FLORIDA DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION.
 - FLORIDA DEPARTMENT OF TRANSPORTATION'S "DESIGN STANDARDS" (AKA STANDARD INDEX DRAWINGS), LATEST EDITION.
- ALL VERTICAL ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM (NAVD 88) OF 1988.
- THE EXISTING FEATURES DEPICTED ARE FROM THE TOPOGRAPHIC SURVEY FOR THE SOUTH PORTION OF CURTIS PARK 1901 N.W. 24TH AVENUE MIAMI, FLORIDA DATED 2/4/13 BY JIM SULLIVAN, PSM #6889 (COASTAL PLANNING & ENGINEERING, INC. PH. 561-391-8102, BOCA RATON FL).
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF EXISTING UTILITIES, STRUCTURES OR OTHER FEATURES AFFECTING HIS WORK AND SHALL COMPLY WITH ALL STATE, COUNTY AND CITY ORDINANCES AND OBTAIN ANY NECESSARY WORK PERMITS THAT MAY BE REQUIRED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN POTENTIAL AREAS WHERE BURIED UTILITIES COULD EXIST AND SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE UTILITY COMPANIES PRIOR TO CONSTRUCTION TO OBTAIN FIELD LOCATES OF EXISTING UNDERGROUND UTILITIES. CALL SUNSHINE ONE CALL CENTER OF FLORIDA AT 811 TO ARRANGE FIELD LOCATIONS.
- GRADES SHOWN ARE FINISHED GRADES.
- EXISTING DRAINAGE STRUCTURES AND PIPES SHALL REMAIN UNLESS OTHERWISE NOTED.
- EXISTING TREES WHICH ARE NOT INDICATED TO BE REMOVED OR RELOCATED ARE INTENDED TO REMAIN. PLACE TREE BARRICADES AROUND TREES TO REMAIN PRIOR TO CONSTRUCTION IN ACCORDANCE WITH THE CITY OF MIAMI AND/OR MIAMI-DADE COUNTY REQUIREMENTS.
- EXISTING PALM TREES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE RELOCATED AND PLANTED BY THE CONTRACTOR TO NEW LOCATIONS WITHIN THE PARK AS DIRECTED BY THE CITY.
- THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING EROSION CONTROL DURING CONSTRUCTION. REFER TO THE EROSION CONTROL PLANS FOR REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL EXCESS MATERIAL FROM THE PROJECT SITE. DISPOSAL OF EXCES MATERIALS SHALL BE TO THE MIAMI-DADE COUNTY LANDFILL.
- CONTRACTOR SHALL REMOVE EXISTING CURBS, SIDEWALKS, SIGNS, ETC. WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS.
- CONTRACTOR SHALL INSTALL CURB CUT RAMPS PER FOOT INDEX 304 AT THE CROSS-WALK LOCATION SHOWN ON THE PLANS.
- SOD ALL AREAS WHICH ARE DISTURBED DUE TO CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL FURNISH THE ENGINEER WITH A COMPLETE SIGNED AND SEALED "AS-BUILT" CONSTRUCTION PLAN. THIS "AS-BUILT" INFORMATION SHALL INCLUDE PAVEMENT GRADES TO VALIDATE THE SURFACE DRAINAGE OF THE NEW PAVEMENT/CURBS, RETENTION AREA INCLUDING SHOTS ALONG THE TOE-OF-SLOPES AND TOP-OF-BANK, DRAINAGE STRUCTURES S-1 AND S-2. A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA SHALL ACCOMPLISH THIS WORK. PAYMENT FOR THIS WORK IS INCLUDED IN THE COST OF THE NEW STRUCTURES, PIPE AND PAVING.



**DETAIL OF OUTFALL
 STRUCTURE (S-2)**

GRAPHIC SCALE IN FT



PARKING LOT, BOAT RAMP AND MARINE STRUCTURES:

DATE: 5/12/15
 DOUGLAS W. MANN P.E. NO. 44048

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 MAY 15 2015

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 MAY 5 2015

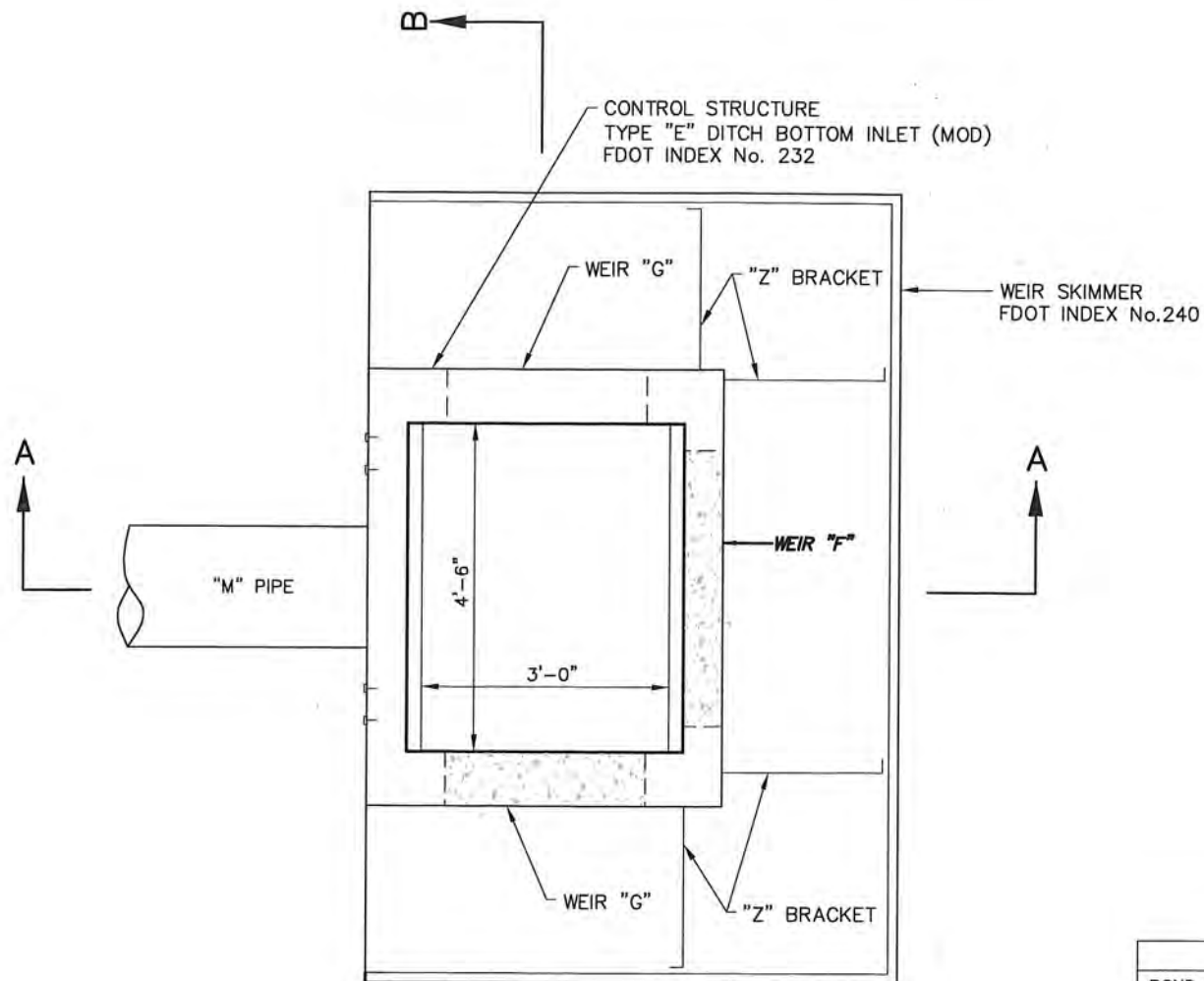
CB&I Environmental and Infrastructure, Inc.
 14350 COMMERCE WAY
 MIAMI LAKES, FLORIDA 33016
 PH. (305) 818-1888
 www.CBI.com
 C.O.A. FL #9317

Checked by:	Reviewed by:	Submitted by:	Comm. No.:
AMG	DM	DM	148570

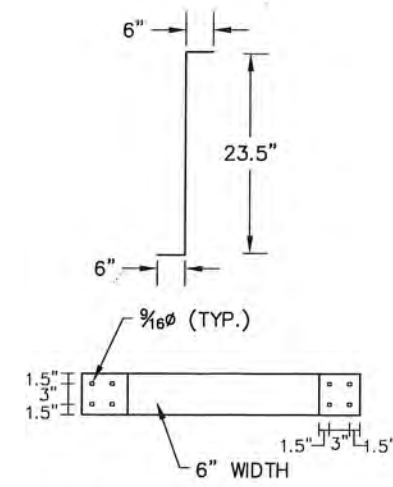
Reference Files: 1 1/2/2015 MAM-000 RM P

CITY OF MIAMI, FLORIDA
 CURTIS PARK BOAT RAMP IMPROVEMENTS
 PROPOSED
 GRADING, PAVING AND DRAINAGE
 DETAILS

DRAWING NO. D-5
 SHEET 9 OF 15



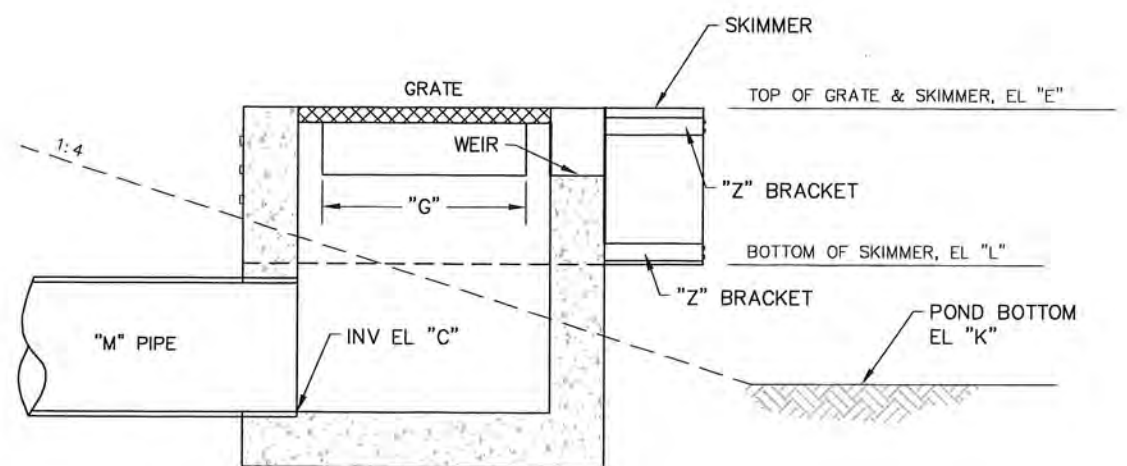
PLAN
NTS



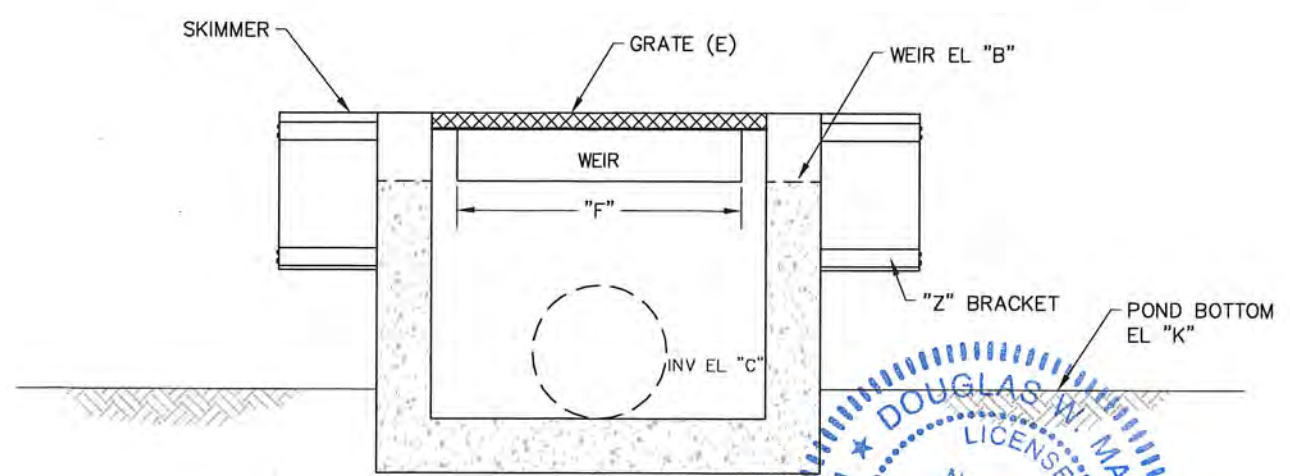
"Z" BRACKET
NTS
SHEET METAL
0.1345" THICK
(10 GAGE)

POND #	STRUCTURE #	A	B	C	D	E	F	G	H	J	K	L	M
1	S-1	N/A	2.80	-0.80	N/A	3.20	3.0'	* 3.0'	N/A	N/A	2.00	2.50	15"

* TWO (2) REQUIRED



SECTION A-A
NTS



SECTION B-B
NTS

STRUCTURE S-1 CONTROL STRUCTURE

ALL COST FOR SKIMMER (INCLUDING HARDWARE AND INSTALLATION) IS TO BE INCLUDED IN THE COST OF THE CONTROL STRUCTURE (SEE INDEX NO. 240 FOR SKIMMER CONSTRUCTION DETAILS)

City of Miami

Signature _____ Date _____

P. Works _____

Fire Prev. _____

Planning _____

Zoning _____

Building _____

Structural gsp 8/20/15

Electrical _____

Plumbing _____

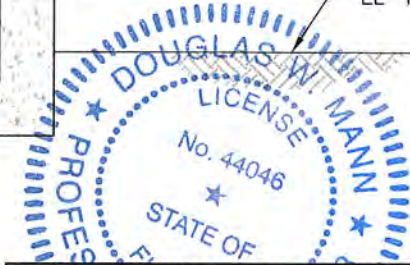
Mech _____

S. Waste _____

Elevator _____

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MAY 15 2015

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Environmental Resources Regulation Division



PARKING LOT, BOAT RAMP AND MARINE STRUCTURES:

Douglas W. Mann
DOUGLAS W. MANN P.E. NO. 44046

DATE
5/12/15

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14350 COMMERCE WAY
MIAMI LAKES, FLORIDA 33016
www.CBI.com
PH. (305) 818-1888
C.O.A. FL. #9317

REVISIONS

No.	Date	Description

Checked by: AMB
Reviewed by: DM
Drawn by: SDJF
Date: 3/07/13
Pilot Scale: AS NOTED
Comm. No.: 148570

CITY OF MIAMI, FLORIDA
CURTIS PARK BOAT RAMP IMPROVEMENTS
DRAINAGE DETAIL

DRAWING NO.
D-6
SHEET 10 OF 15

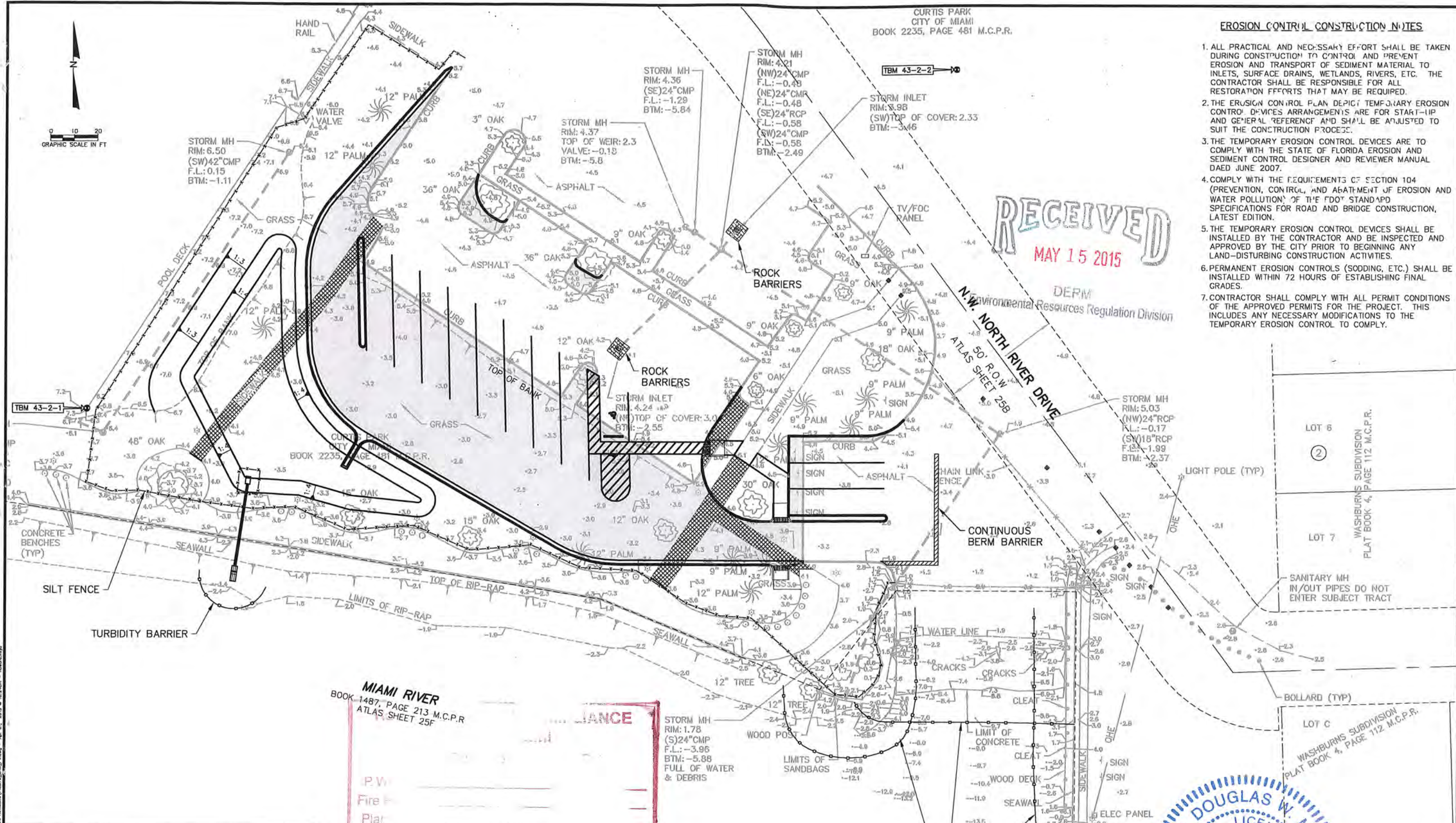
CURTIS PARK
CITY OF MIAMI
BOOK 2235, PAGE 481 M.C.P.R.

EROSION CONTROL CONSTRUCTION NOTES

1. ALL PRACTICAL AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIAL TO INLETS, SURFACE DRAINS, WETLANDS, RIVERS, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION EFFORTS THAT MAY BE REQUIRED.
2. THE EROSION CONTROL PLAN DEPICT TEMPORARY EROSION CONTROL DEVICES ARRANGEMENTS ARE FOR START-UP AND GENERAL REFERENCE AND SHALL BE ADJUSTED TO SUIT THE CONSTRUCTION PROCESS.
3. THE TEMPORARY EROSION CONTROL DEVICES ARE TO COMPLY WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL DATED JUNE 2007.
4. COMPLY WITH THE REQUIREMENTS OF SECTION 104 (PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION) OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
5. THE TEMPORARY EROSION CONTROL DEVICES SHALL BE INSTALLED BY THE CONTRACTOR AND BE INSPECTED AND APPROVED BY THE CITY PRIOR TO BEGINNING ANY LAND-DISTURBING CONSTRUCTION ACTIVITIES.
6. PERMANENT EROSION CONTROLS (SODDING, ETC.) SHALL BE INSTALLED WITHIN 72 HOURS OF ESTABLISHING FINAL GRADES.
7. CONTRACTOR SHALL COMPLY WITH ALL PERMIT CONDITIONS OF THE APPROVED PERMITS FOR THE PROJECT. THIS INCLUDES ANY NECESSARY MODIFICATIONS TO THE TEMPORARY EROSION CONTROL TO COMPLY.

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MAY 15 2015

DEPM
N.W. Environmental Resources Regulation Division
50' R.O.W.
ATLAS SHEET 25B

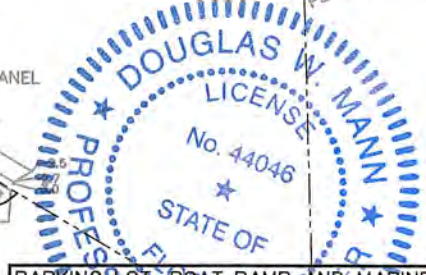


MIAMI RIVER
BOOK 1487, PAGE 213 M.C.P.R.
ATLAS SHEET 25F

LEGEND:

	PROPOSED NEW ASPHALT
	EXISTING PAVEMENT OR SIDEWALK TO BE REMOVED
	SILT FENCE
	TURBIDITY BARRIER
	ROCK BARRIER FOR AREA DRAINS
	CONTINUOUS BERM BARRIER

P.W.	_____
Fire	_____
Plat	_____
Zon	_____
Build	_____
Structure	_____
Elec./cal	_____
Plumbing	_____
Mech	_____
S. Waste	_____
Elevator	_____



PARKING LOT, BOAT RAMP, AND MARINE STRUCTURES:

DOUGLAS W. MANN P.E. NO. 44046
DATE 5/13/15

CB&I Environmental and Infrastructure, Inc.
PH. (305) 818-1888
C.O.A. FL #9317

14350 COMMERCE WAY
MIAMI LAKES, FLORIDA 33016
www.CBI.com

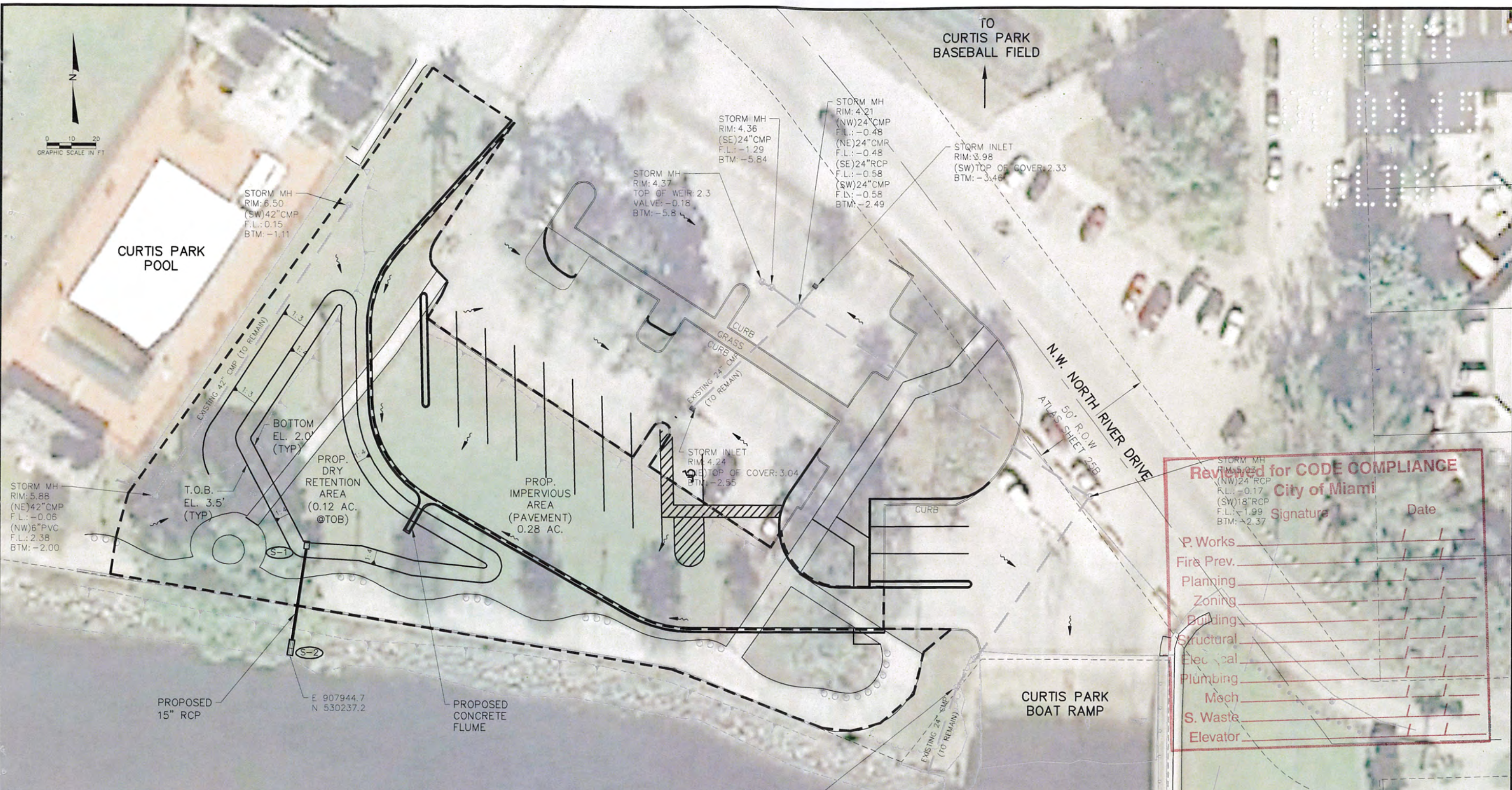
REVISIONS	No.	Date	Description
1	03/21/15	DM	PERMITS MARKING

Designed by: AMB
Drawn by: GK
Date: 3/07/13
Plot Scale: AS NOTED

Checked by: DM
Reviewed by: DM
Submitted by: DM
Comm. No.: 148570

CITY OF MIAMI, FLORIDA
CURTIS PARK BOAT RAMP IMPROVEMENTS
PROPOSED TEMPORARY
EROSION CONTROL MEASURES

DRAWING NO. PV-3
SHEET 11 OF 15



LEGEND:

- PROPOSED DRAINAGE STRUCTURE
- SURFACE FLOW DIRECTION
- EXISTING MANHOLE
- EXISTING GRATE INLET
- EXISTING STORM PIPE
- DRAINAGE BASIN LIMIT

NOTES:

- AERIAL PHOTOGRAPHY DATED MARCH 26, 2011.
- ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

MIAMI RIVER
 BOOK 1487, PAGE 213 M.C.P.R.
 ATLAS SHEET 25F

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 MAY 15 2015
 DERM
 Environmental Resources Regulation Division

Reviewed for CODE COMPLIANCE
 City of Miami

Signature _____ Date _____

P. Works	_____
Fire Prev.	_____
Planning	_____
Zoning	_____
Building	_____
Structural	_____
Electrical	_____
Plumbing	_____
Mech	_____
S. Waste	_____
Elevator	_____

DOUGLAS W. MANN
 LICENSE
 No. 44046
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

DATE: 5/12/15

CB&I Environmental and Infrastructure, Inc. 14350 COMMERCE WAY MIAMI LAKES, FLORIDA 33016 PH. (305) 818-1888 C.O.A. FL. #8317 www.CBI.com													
REVISIONS <table border="1"> <tr><th>No.</th><th>Date</th><th>Description</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	No.	Date	Description										Checked by: AMB Reviewed by: DJM Submitted by: DJM Date: 3/07/13 Pkg. Scale: AS NOTED Comm. No.: 148570
No.	Date	Description											
CITY OF MIAMI, FLORIDA CURTIS PARK BOAT RAMP IMPROVEMENTS DRAINAGE MAP	DRAWING NO. PV-4 SHEET 12 OF 15												



CURTIS PARK POOL

TO CURTIS PARK BASEBALL FIELD

STORM MH
RIM: 6.50
(SW) 42" CMP
F.L.: 0.15
BTM: -1.11

STORM MH
RIM: 4.37
TOP OF WEIR: 2.3
VALVE: -0.18
BTM: -5.8

STORM MH
RIM: 4.36
(SE) 24" CMP
F.L.: -1.29
BTM: -5.84

STORM MH
RIM: 4.21
(NW) 24" CMP
F.L.: -0.48
(NE) 24" CMP
F.L.: -0.48
(SE) 24" RCP
F.L.: -0.58
(SW) 24" CMP
F.L.: -0.58
BTM: -2.49

STORM INLET
RIM: 3.98
(SW) TOP OF COVER: 2.33
BTM: -3.46

EXISTING 42" CMP (TO REMAIN)

BOTTOM EL. 2.0' (TYP)

PROP. DRY RETENTION AREA (0.12 AC. @ TOB)

PROP. IMPERVIOUS AREA (PAVEMENT) 0.28 AC.

STORM INLET
RIM: 4.24
(E) TOP OF COVER: 3.04
BTM: -2.55

STORM MH
RIM: 5.88
(NE) 42" CMP
F.L.: -0.06
(NW) 6" PVC
F.L.: 2.38
BTM: -2.00

T.O.B. EL. 3.5' (TYP)

PROPOSED 15" RCP

E 907944.7
N 530237.2

PROPOSED CONCRETE FLUME

CURTIS PARK BOAT RAMP

STORM MH
RIM: 1.78
(S) 24" CMP
F.L.: -3.96
BTM: -5.88
FULL OF WATER & DEBRIS

MIAMI RIVER
BOOK 1487, PAGE 213 M.C.P.R
ATLAS SHEET 25F

- LEGEND:**
- (S-1) PROPOSED DRAINAGE STRUCTURE
 - SURFACE FLOW DIRECTION
 - EXISTING MANHOLE
 - EXISTING GRATE INLET
 - EXISTING STORM PIPE
 - - - DRAINAGE BASIN LIMIT

- NOTES:**
1. AERIAL PHOTOGRAPHY DATED MARCH 26, 2011.
 2. ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

Submitted for CODE COMPLIANCE
City of Miami

Signature _____ Date _____

P. Works

Fire Prev.	_____
Planning	_____
Zoning	_____
Building	_____
Structural	_____
Electrical	_____
Plumbing	_____
Mech	_____
S. Waste	_____
Elevator	_____

RECEIVED
MAY 15 2015

CURTIS PARK PROPERTY
PROFESSIONAL ENGINEER
STATE OF FLORIDA
LICENSE No. 44046
DOUGLAS W. MANN

PARKING LOT, BOAT RAMP AND MARINE STRUCTURES:

DOUGLAS W. MANN P.E. NO. 44046
5/12/15
DATE

CB&I Environmental and Infrastructure, Inc.
14350 COMMERCE WAY
MIAMI LAKES, FLORIDA 33016
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C.O.A. FL #9317

REVISIONS

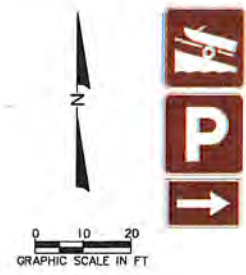
No.	Description

Reference Files

Designed by:	AMB
Drawn by:	GK
Date:	3/07/13
Plat. Scale:	AS NOTED
Checked by:	DM
Reviewed by:	DM
Submitted by:	DM
Comm. No.:	148570

CITY OF MIAMI, FLORIDA
CURTIS PARK BOAT RAMP IMPROVEMENTS
DRAINAGE MAP

DRAWING NO. PV-4
SHEET 12 OF 15



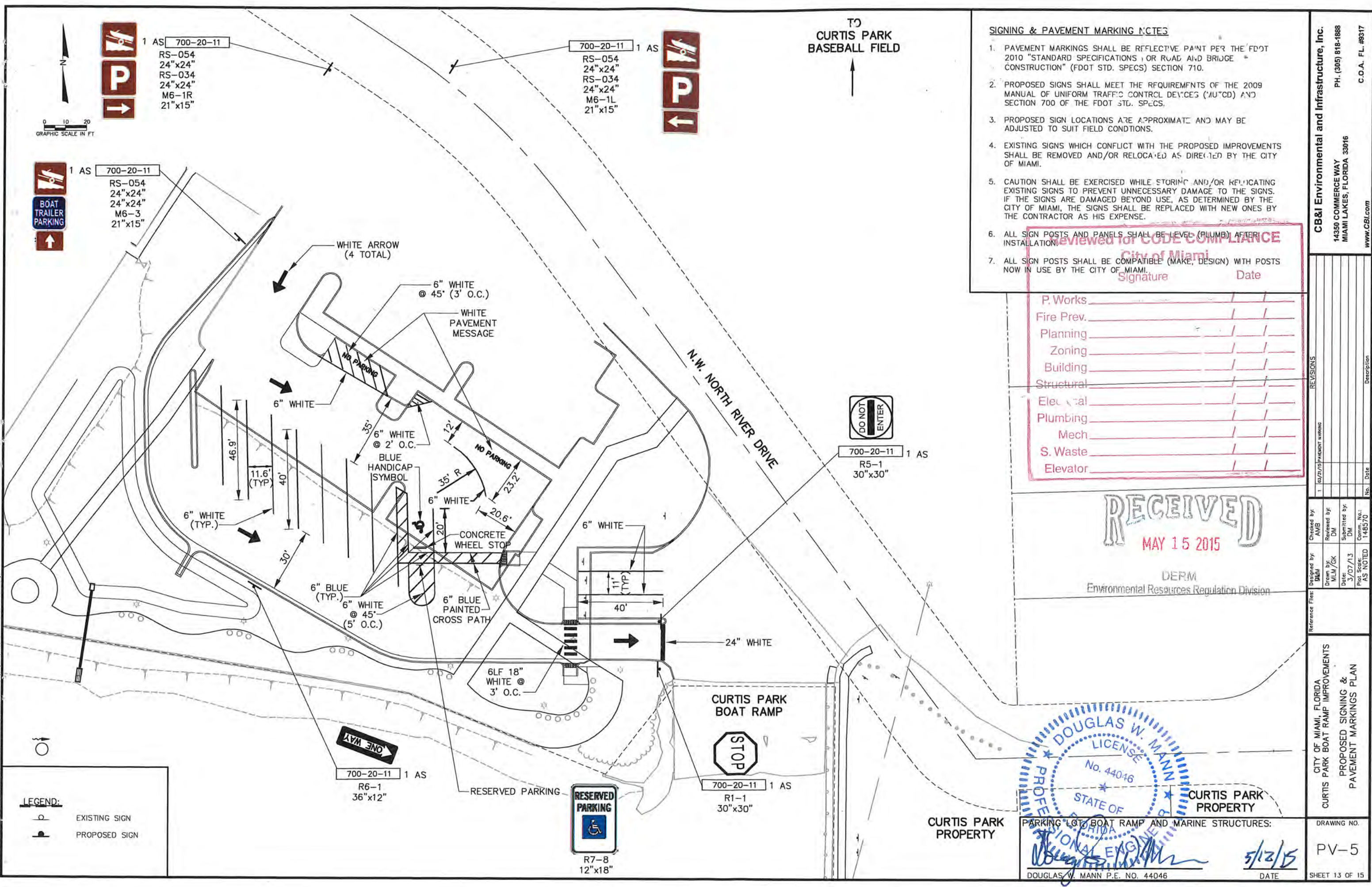
1 AS 700-20-11
 RS-054
 24"x24"
 RS-034
 24"x24"
 M6-1R
 21"x15"

700-20-11 1 AS
 RS-054
 24"x24"
 RS-034
 24"x24"
 M6-1L
 21"x15"

1 AS 700-20-11
 RS-054
 24"x24"
 24"x24"
 M6-3
 21"x15"



LEGEND:
 EXISTING SIGN
 PROPOSED SIGN



TO
 CURTIS PARK
 BASEBALL FIELD



700-20-11 1 AS
 R5-1
 30"x30"

700-20-11 1 AS
 R6-1
 36"x12"



R7-8
 12"x18"

700-20-11 1 AS
 R1-1
 30"x30"

- SIGNING & PAVEMENT MARKING NOTES**
- PAVEMENT MARKINGS SHALL BE REFLECTIVE PAINT PER THE FDOT 2010 "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (FDOT STD. SPECS) SECTION 710.
 - PROPOSED SIGNS SHALL MEET THE REQUIREMENTS OF THE 2009 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND SECTION 700 OF THE FDOT STD. SPECS.
 - PROPOSED SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO SUIT FIELD CONDITIONS.
 - EXISTING SIGNS WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND/OR RELOCATED AS DIRECTED BY THE CITY OF MIAMI.
 - CAUTION SHALL BE EXERCISED WHILE STORING AND/OR REPLICATING EXISTING SIGNS TO PREVENT UNNECESSARY DAMAGE TO THE SIGNS. IF THE SIGNS ARE DAMAGED BEYOND USE, AS DETERMINED BY THE CITY OF MIAMI, THE SIGNS SHALL BE REPLACED WITH NEW ONES BY THE CONTRACTOR AS HIS EXPENSE.
 - ALL SIGN POSTS AND PANELS SHALL BE LEVEL (PLUMB) AFTER INSTALLATION.
 - ALL SIGN POSTS SHALL BE COMPATIBLE (MAKE, DESIGN) WITH POSTS NOW IN USE BY THE CITY OF MIAMI.

Reviewed for CODE COMPLIANCE
 City of Miami
 Signature _____ Date _____

P. Works	_____
Fire Prev.	_____
Planning	_____
Zoning	_____
Building	_____
Structural	_____
Electrical	_____
Plumbing	_____
Mech	_____
S. Waste	_____
Elevator	_____

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 MAY 15 2015

DERM
 Environmental Resources Regulation Division

DOUGLAS W. MANN
 LICENSE
 No. 44046
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 CURTIS PARK PROPERTY

PARKING LOT, BOAT RAMP AND MARINE STRUCTURES:
 DOUGLAS W. MANN P.E. NO. 44046
 DATE 5/12/15

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 MIAMI LAKES, FLORIDA 33016
 PH. (305) 818-1888
 C.O.A. FL. #9317
 www.CBI.com

REVISIONS	No.	Date	Description
1	02/25/15	144570	AS NOTED

Checked by: AMB
 Reviewed by: DM
 Drawn by: MLM/GK
 Date: 3/07/13
 Plot Scale: AS NOTED
 Comm. No.: 144570

CITY OF MIAMI, FLORIDA
 CURTIS PARK BOAT RAMP IMPROVEMENTS
 PROPOSED SIGNING &
 PAVEMENT MARKINGS PLAN

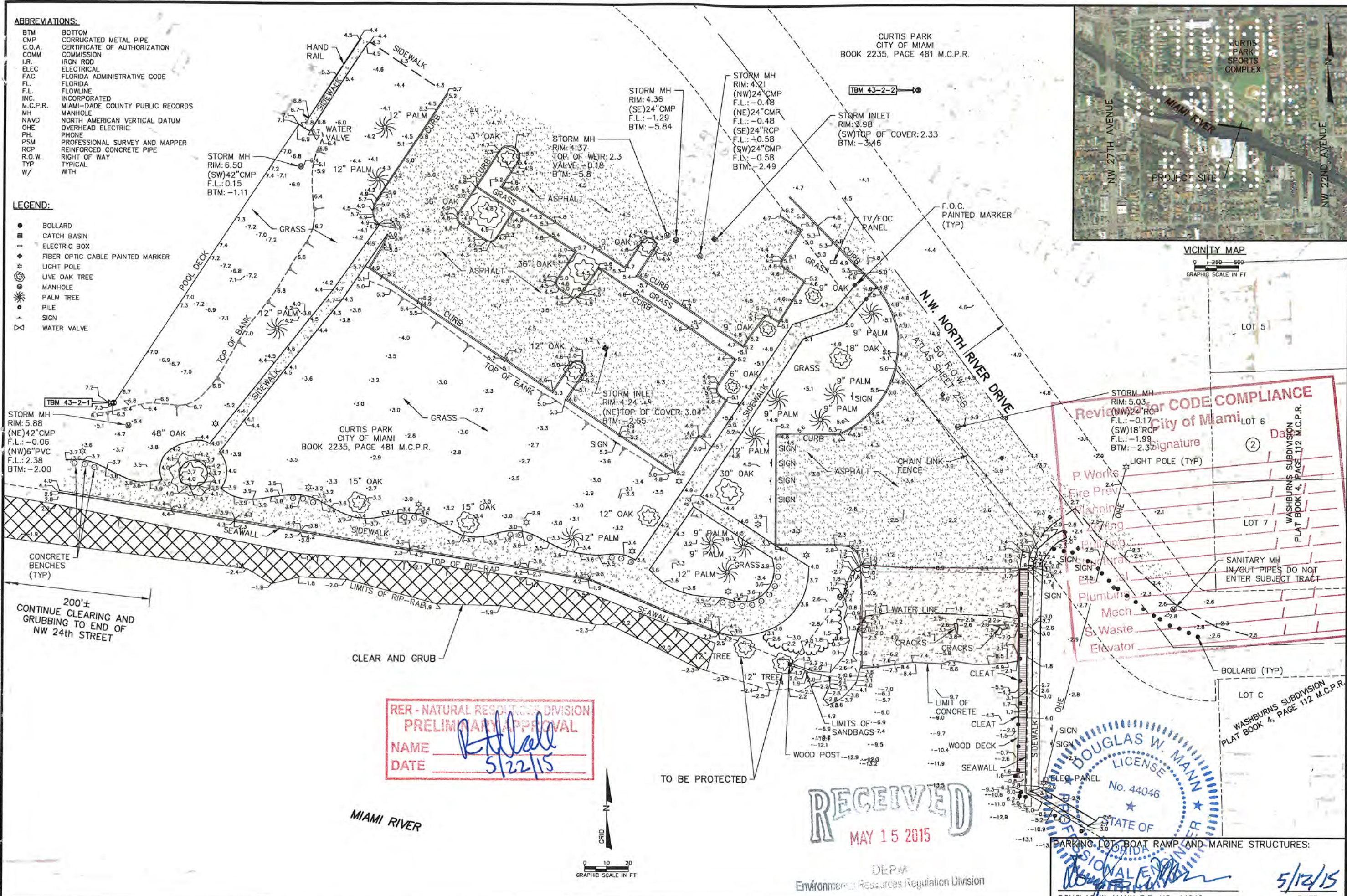
DRAWING NO. PV-5
 SHEET 13 OF 15

ABBREVIATIONS:

- BTM BOTTOM
- CMP CORRUGATED METAL PIPE
- C.O.A. CERTIFICATE OF AUTHORIZATION
- COMM COMMISSION
- I.R. IRON ROD
- ELEC ELECTRICAL
- FAC FLORIDA ADMINISTRATIVE CODE
- FL. FLORIDA
- F.L. FLOWLINE
- INC. INCORPORATED
- M.C.P.R. MIAMI-DADE COUNTY PUBLIC RECORDS
- MH MANHOLE
- NAVD NORTH AMERICAN VERTICAL DATUM
- OHE OVERHEAD ELECTRIC
- PH. PHONE
- PSM PROFESSIONAL SURVEY AND MAPPER
- RCP REINFORCED CONCRETE PIPE
- R.O.W. RIGHT OF WAY
- TYP TYPICAL
- W/ WITH

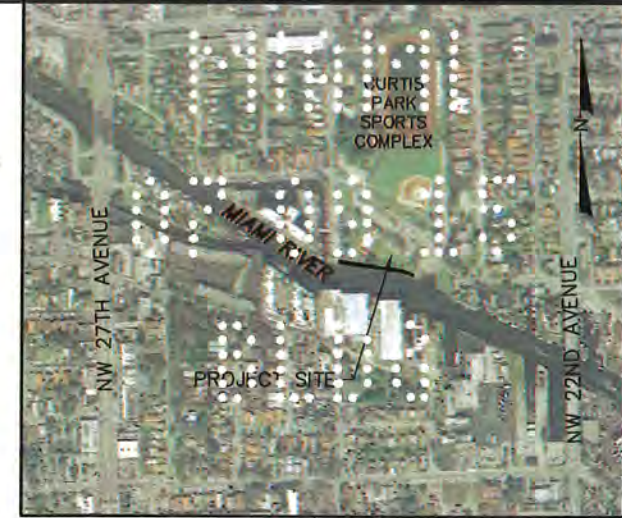
LEGEND:

- BOLLARD
- CATCH BASIN
- ELECTRIC BOX
- ◆ FIBER OPTIC CABLE PAINTED MARKER
- LIGHT POLE
- ⊙ LIVE OAK TREE
- MANHOLE
- ⊙ PALM TREE
- ⊙ PILE
- ⊙ SIGN
- ⊙ WATER VALVE



CURTIS PARK
CITY OF MIAMI
BOOK 2235, PAGE 481 M.C.P.R.

CURTIS PARK
CITY OF MIAMI
BOOK 2235, PAGE 481 M.C.P.R.



VICINITY MAP
0 250 500
GRAPHIC SCALE IN FT

Review for CODE COMPLIANCE
City of Miami

Signature: _____

P. Works
Fire Prev
Planning
Zoning
Planning
Elected
Mech
S. Waste
Elevator

LOT 5
LOT 6
LOT 7

WASHBURNS SUBDIVISION
PLAT BOOK 4, PAGE 112 M.C.P.R.

SANITARY MH
IN/OUT PIPES DO NOT
ENTER SUBJECT TRACT

BOLLARD (TYP)

LOT C
WASHBURNS SUBDIVISION
PLAT BOOK 4, PAGE 112 M.C.P.R.

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME R. Hall
DATE 5/22/15

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MAY 15 2015

DOUGLAS W. MANN
LICENSE
No. 44046
STATE OF FLORIDA
Professional Engineer

CB&I Environmental and Infrastructure, Inc.
14350 COMMERCE WAY
MIAMI LAKES, FLORIDA 33016
PH. (305) 816-1888
C.O.A. FL. #9317
www.CBI.com

No.	Date	Description

Checked by:	AMB
Reviewed by:	DM
Drawn by:	OK
Date:	3/07/13
Submitted by:	DM
Comm. No.:	148570
Plot Scale:	AS NOTED

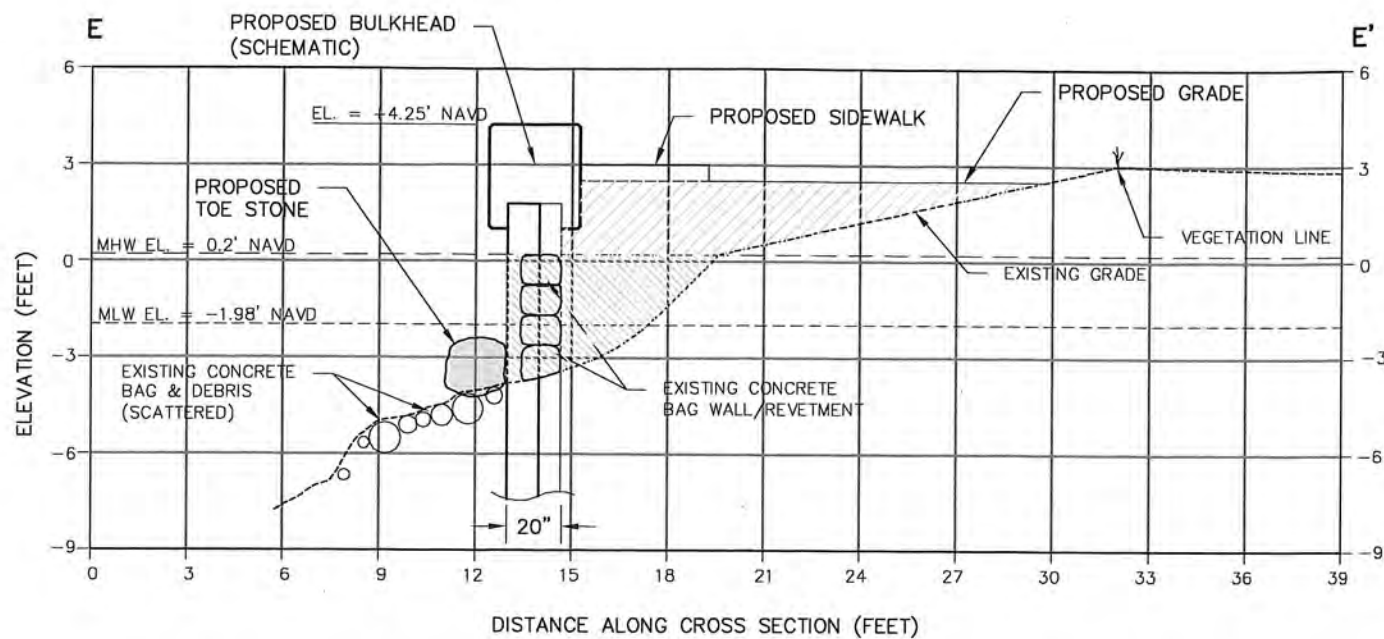
CITY OF MIAMI, FLORIDA
CURTIS PARK BOAT RAMP IMPROVEMENTS
RIGHT OF WAY
CLEARING

DRAWING NO.
CL-1
SHEET 14 OF 15

0 10 20
GRAPHIC SCALE IN FT

DEPM
Environmental Resources Regulation Division

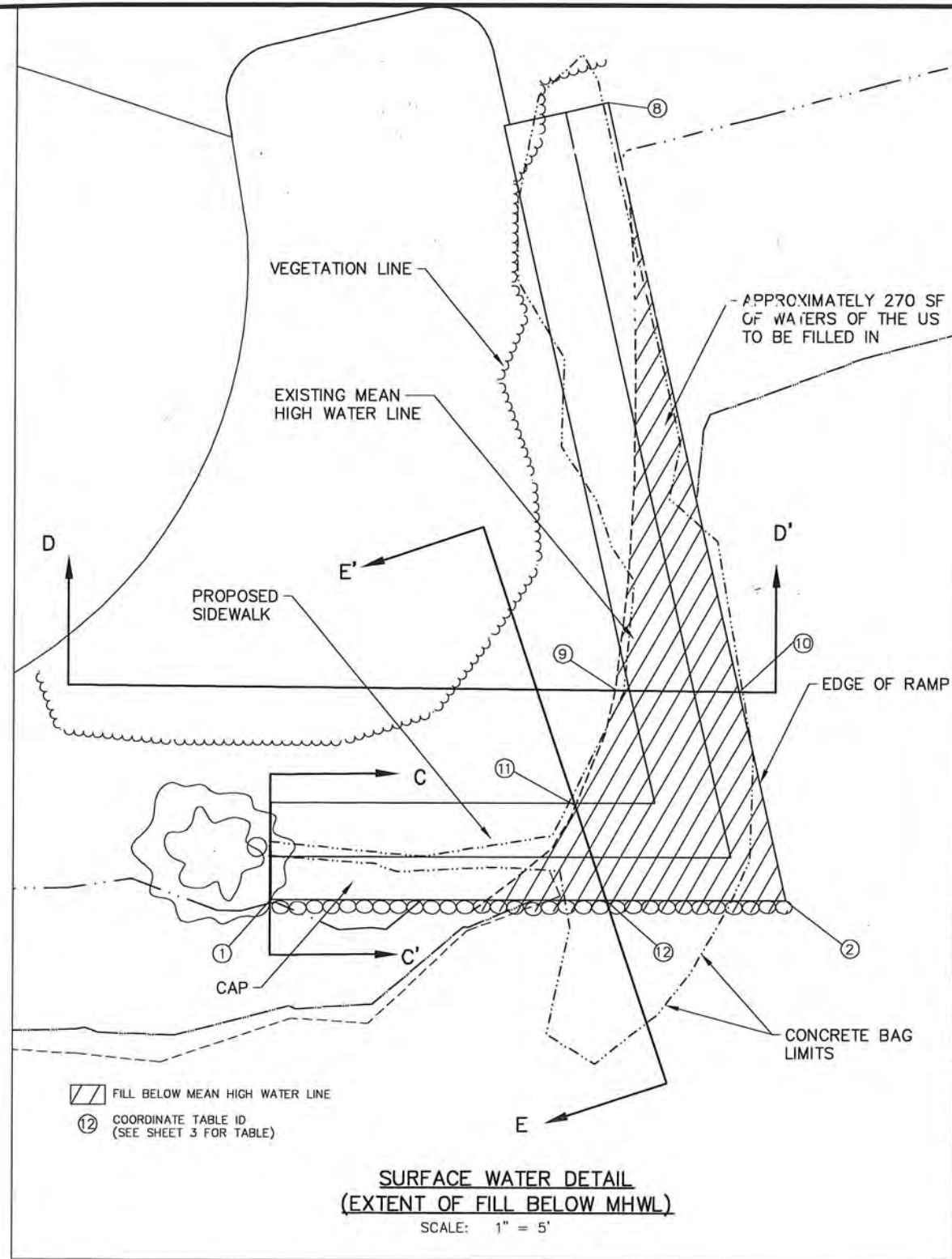
PARKING LOT, BOAT RAMP AND MARINE STRUCTURES:
DOUGLAS W. MANN P.E. NO. 44046
DATE 5/12/15



WETFACE TO WETFACE DIMENSION VARIES LESS THAN 1FT SEAWARD BETWEEN EXISTING AND PROPOSED BULKHEAD

EXTENT OF FILL ABOVE MEAN HIGH WATER LINE
EXTENT OF FILL BELOW MEAN HIGH WATER LINE

CROSS SECTION E-E'
SCALE: 1" = 3'



SURFACE WATER DETAIL
(EXTENT OF FILL BELOW MHWL)
SCALE: 1" = 5'

Reviewed for CODE COMPLIANCE
City of Miami

Signature	Date
P. Works	/ /
Fire Prev.	/ /
Planning	/ /
Zoning	/ /
Building	/ /
Structural	/ /
Electrical	/ /
Plumbing	/ /
Mech	/ /
S. Waste	/ /
Elevator	/ /

RER - NATURAL RESOURCES DIVISION
FINAL APPROVAL
NAME: *Chapman*
DATE: *10/7/15*

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME: *R. Hale*
DATE: *5/22/15*

RECEIVED
MAY 15 2015

DERM
Environmental Resources Regulation Division

DOUGLAS W. MANN
PROFESSIONAL ENGINEER
LICENSE No. 44046
STATE OF FLORIDA

PARKING LOT, BOAT RAMP AND MARINE STRUCTURES:

[Signature]
DOUGLAS W. MANN P.E. NO. 44046

DATE: *5/12/15*

CB&I Environmental and Infrastructure, Inc.
14350 COMMERCE WAY
MIAMI LAKES, FLORIDA 33016
PH. (305) 818-1888
C.O.A. FL. #9317
www.cbil.com

No.	Date	Description
1	12/27/12	ISSUE DATE RMP
2	5/25/15	ISSUE DATE FOR CITY CODE

Designed by: **MLM**
Drawn by: **GJK**
Checked by: **AMB**
Reviewed by: **DM**
Submitted by: **DM**
Date: **3/07/13**
Proj. Scale: **AS NOTED**
Comm. No.: **148570**

SOUTH PORTION OF "CURTIS PARK"
1901 N.W. 24th AVENUE MIAMI, FLORIDA
EXTENT OF FILL DETAILS

DRAWING NO. **D-7**
SHEET 15 OF 15

Curtis Park Marine Structures Construction Materials List and Notes

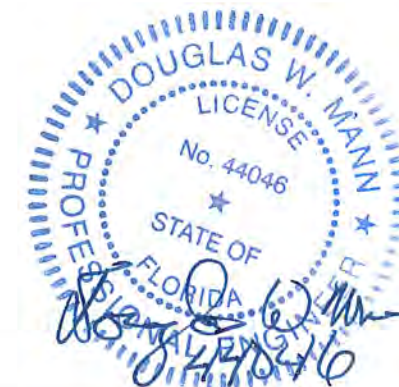
Item	Material	Notes
2" x 6" Decking Boards	Southern Yellow Pine (No. 1 Structural)	Treated with .4 PCF (ACQ), rounded edges, treat also with industry standard water sealant
2" x 10" Stringers Boards	Southern Yellow Pine (No. 1 Structural)	Treated with .6 PCF (ACQ), Blocking (mid-span) with same sized lumber
2" x 12" Joists Boards	Southern Yellow Pine (No. 1 Structural)	Treated with .6 PCF (ACQ)
5/8" x 6" Lag Bolts	Stainless Steel Grade (316)	2" ϕ SS dock washers, Anchor seal hole with epoxy (min 4" anchor sleeves)
4" No. 14 Wood Screws	Stainless Steel Grade (316)	Stringer Blocking (Countersink)
4" No. 10 Wood Screws	Stainless Steel Grade (316)	Flat heads (Countersink Flush with decking)
1" x 1" Clip Angles	Stainless Steel Grade (316)	Use 3" SS No.10 wood screws for attachment to joist, 1.25" SS No. 10 wood screws for attachment to stringers.
12" Dia. Timber Piles	Southern Yellow Pine (30' Long)	Top elevation (+6 NAVD 1988) (Treated with 2.5 PCF (CCA)). Drive to 10 ton capacity.
Pile Wrap	Pile-Gard PVC-T (Or Equivalent)	Wrap from +1.2 to 2 feet below mudline (flat head SS nails for attachment)
10" Long (Sea Dog) Cleat	Die Cast Aluminum	Or approved equal. Attach using all 316 SS hardware.
1/2" x 10" Thru Bolts	Stainless Steel Grade (316)	Attached Cleat blocking using SS nut, washers (both ends)
1/2" x 4" Lag Bolt	Stainless Steel Grade (316)	Countersink Flush with Decking
12" x 12" Square Piles	Prestressed, FDOT Grade Concrete Piles	Spiral reinforcement per index 20612; 8-7/8" ϕ , 270 ksi LRS. 7 wire strand; chamfered corners (1"x1"). Drive to 10 ton capacity.
4" Fend-Off - Fender	Heavy Duty PVC	Attached per manufactures recommendations, SS hardware, epoxy holes, Submit shop drawing for attachment approval.
1.5" ϕ Tierod	HDG Steel (Grade 36 min)	Field measure before ordering to ensure proper minimum cap and wall attachment. Coat with 16 mils coal tar epoxy.
12" x 12" x 1/2" Steel Plate	Hot Dipped Galvanized Steel	Use 1.5" ϕ HDG nut and washer for securing tierod to anchor wall. Coat with 16 mils coal tar epoxy.
No. 5 Rebar	MMFX Steel (Grade 100)	Retain material tickets for verification
No. 3 Rebar	MMFX Steel (Grade 100)	Retain material tickets for verification
W6 x W6 @ 6" o.c.b.w	Welded Wire Mesh	Center in slab areas with noncorrosive chairs
1" ϕ Backer Rod	Neoprene	Use Sikaflex General Purpose Joint Sealant to finish cap joints flush
1/2" Preformed Joint Filler	Fiber (or approved equal)	Place before pouring concrete sidewalk
2' ϕ Limestone Rock	Limestone Rock	Individually placed along concrete bulkhead panels.
Woven Filter Fabric	Mirafi Filterweave 700 (or approve equal)	Place as depicted in plans
Concrete Cap, Panels, Marginal Dock, and Anchor Slab: 5,000 psi (28 day); w/c \leq .4; Micro Silica - 6% binder weight; Air entrainment 2-3% (min); Type I cement; Large and small washed aggregates, free of chlorides; Use potable water only; Additional additives to be approved by the Engineer before administering. Concrete Sidewalk: 4,000 psi (28 day) min, washed large and small aggregate. Broom finish exposed surfaces.		
Design per 2011 Florida building code. Dock live loads are 60 psf vertical. Soil loads based on ϕ = 28 degrees.		

Reviewed for CODE COMPLIANCE
City of Miami

	Signature	Date
P. Works	_____	____/____/____
Fire Prev.	_____	____/____/____
Planning	_____	____/____/____
Zoning	_____	____/____/____
Building	_____	____/____/____
Structural	_____	____/____/____
Electrical	_____	____/____/____
Plumbing	_____	____/____/____
Mech	_____	____/____/____
S. Waste	_____	____/____/____
Elevator	_____	____/____/____

RECEIVED
MAY 15 2015

DEPM
Environmental Resources Regulation Division



5/12/15

CB&I Environmental and Infrastructure, Inc.
 14350 COMMERCE WAY
 MIAMI LAKES, FLORIDA 33016
 PH. (305) 818-1888
 C.O.A. FL. #9317
 www.CBI.com

CITY OF MIAMI, FLORIDA
 CURTIS PARK BOAT RAMP IMPROVEMENTS
 PROPOSED
 RAMP REPAIR
 CONSTRUCTION MATERIAL LIST

GN-1



TO
CURTIS PARK
BASEBALL FIELD
↑

CURTIS PARK
POOL

N.W. NORTH RIVER DRIVE
50' R.O.W
ATLAS SHEET 25B

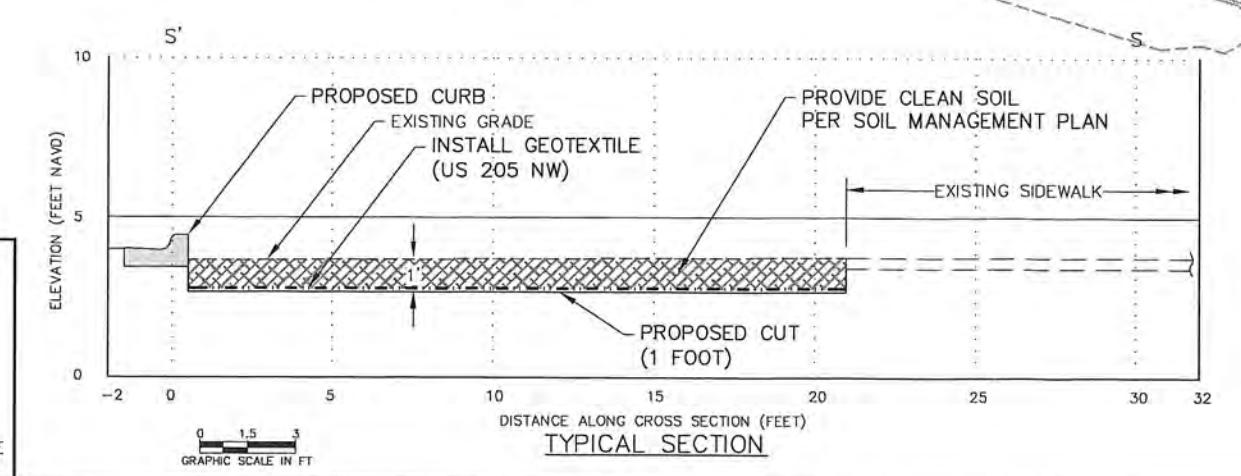
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MIAMI RIVER

CURTIS PARK
BOAT RAMP

CURTIS PARK
PROPERTY

PRIVATE
PROPERTY



- LEGEND:**
- UNPAVED AREA
 - CLEAN FILL PER SOIL MANAGEMENT PLAN
- NOTES:**
1. SEE DETAILS IN CURTIS PARK SOIL MANAGEMENT PLAN.
 2. EXTENT OF CONTAMINATION IS PROVIDED IN SES SITE ASSESSMENT DATED JULY 10, 2014.

CB&I Environmental and Infrastructure, Inc. 14350 COMMERCE WAY MIAMI LAKES, FLORIDA 33016 PH. (305) 818-1888 www.CBI.com C.O.A. FL #8317	
Reference File: Designed by: DM Drawn by: GR Date: 3/27/13 Plot Scale: AS NOTED	Checked by: AMB Reviewed by: DM Submitted by: DM Comm. No.: 148570
CITY OF MIAMI, FLORIDA CURTIS PARK BOAT RAMP IMPROVEMENTS SOIL MANAGEMENT PLAN	
DRAWING NO. SM-1	
SHEET 16 OF 15	

Yudek A. Hasbun
 YUDEX A. HASBUN P.E. NO. 54810

4/27/15
 DATE

Review and for CODE COMPLIANCE

City of Miami

Signature _____ Date _____

P Works _____ / /
 Fire Prev. _____ / /
 Planning _____ / /
 Zoning _____ / /
 Building _____ / /
 Structural _____ / /
 Electrical _____ / /
 Plumbing _____ / /
 Mech _____ / /
 S. Waste _____ / /
 Elevation _____ / /

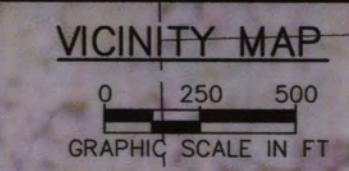
SHEET _____ OF 15	DRAWING NO. _____	CITY OF MIAMI, FLORIDA CURTIS PARK BOAT RAMP IMPROVEMENTS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Reference Files:</td> <td style="width: 15%;">Designed by: DM</td> <td style="width: 15%;">Checked by: AMB</td> <td style="width: 15%;">REVISIONS</td> <td style="width: 15%;"></td> </tr> <tr> <td></td> <td>Drawn by:</td> <td>Reviewed by: DM</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Date: 3/07/13</td> <td>Submitted by: DM</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Plot Scale:</td> <td>Comm. No.: 148570</td> <td></td> <td></td> </tr> </table>	Reference Files:	Designed by: DM	Checked by: AMB	REVISIONS			Drawn by:	Reviewed by: DM				Date: 3/07/13	Submitted by: DM				Plot Scale:	Comm. No.: 148570		
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Reviewed for CODE COMPLIANCE City of Miami		
	Signature	Date
P. Works	_____	___/___/___
Fire Prev.	_____	___/___/___
Planning	_____	___/___/___
Zoning	_____	___/___/___
Building	_____	___/___/___
Structural	_____	___/___/___
Electrical	_____	___/___/___
Plumbing	_____	___/___/___
Mech	_____	___/___/___
S. Waste	_____	___/___/___
Elevator	_____	___/___/___

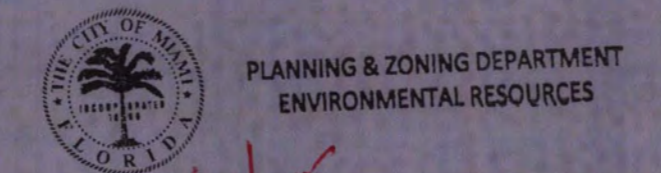
CITY OF MIAMI, FLORIDA CURTIS PARK BOAT RAMP IMPROVEMENTS	Reference Files	Designed by: DM	Checked by: AMB	REVISIONS	
		Drawn by: Date: 3/07/13 Plot Scale:	Reviewed by: DM	Submitted by: DM	No. Date
DRAWING NO.			Comm. No.: 148570		
SHEET	OF 15				

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LEGEND:

- BOLLARD
- CATCH BASIN
- ELECTRIC BOX
- ◆ FIBER OPTIC CABLE PAINTED MARKER
- ☆ LIGHT POLE
- ★ LIVE OAK TREE
- ⊙ MANHOLE
- ⊙ PALM TREE
- ⊙ PILE
- ⊙ SIGN
- ⊙ WATER VALVE
- RELOCATE TREE
- TREE TO BE PRESERVED IN PLACE



DATE: 4/9/15 PLAN/PROCESS # B015 016 7522 001
 APPROVED
 APPROVED WITH CONDITIONS
 DENIED/VOID: REVISE AS INDICATED, BY NOTATIONS AND CORRECTIONS, AND RESUBMIT

THE APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW. APPROVED PLANS SHALL NOT PREVENT THE CITY OF MIAMI FROM REQUIRING CORRECTONS FOR ERRORS IN PLANS, SPECIFICATIONS OR CONSTRUCTION. A SET OF THESE APPROVED PLANS SHALL BE KEPT ON THE JOB SITE AT ALL TIMES. SUCH APPROVED PLANS SHALL NOT BE CHANGED, MODIFIED, OR ALTERED WITHOUT THE CITY OF MIAMI'S APPROVAL.

NOTIFIER'S SIGNATURE: [Signature] PRINTED NAME: [Name]

MIAMI RIVER
 BOOK 1487, PAGE 213 M.C.P.R.
 ATLAS SHEET 25F

TREE & PALM RELOCATION PLAN
 DEPARTMENT OF PARKS + RECREATION
 7 MAR 2015

THIS SURVEY MAP OR THE COPIES THEREOF ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

PARKING LOT, BOAT RAMP AND MARINE STRUCTURES:

DOUGLAS W. MANN
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 LICENSE NO. 44046
 DATE: 4/8/15

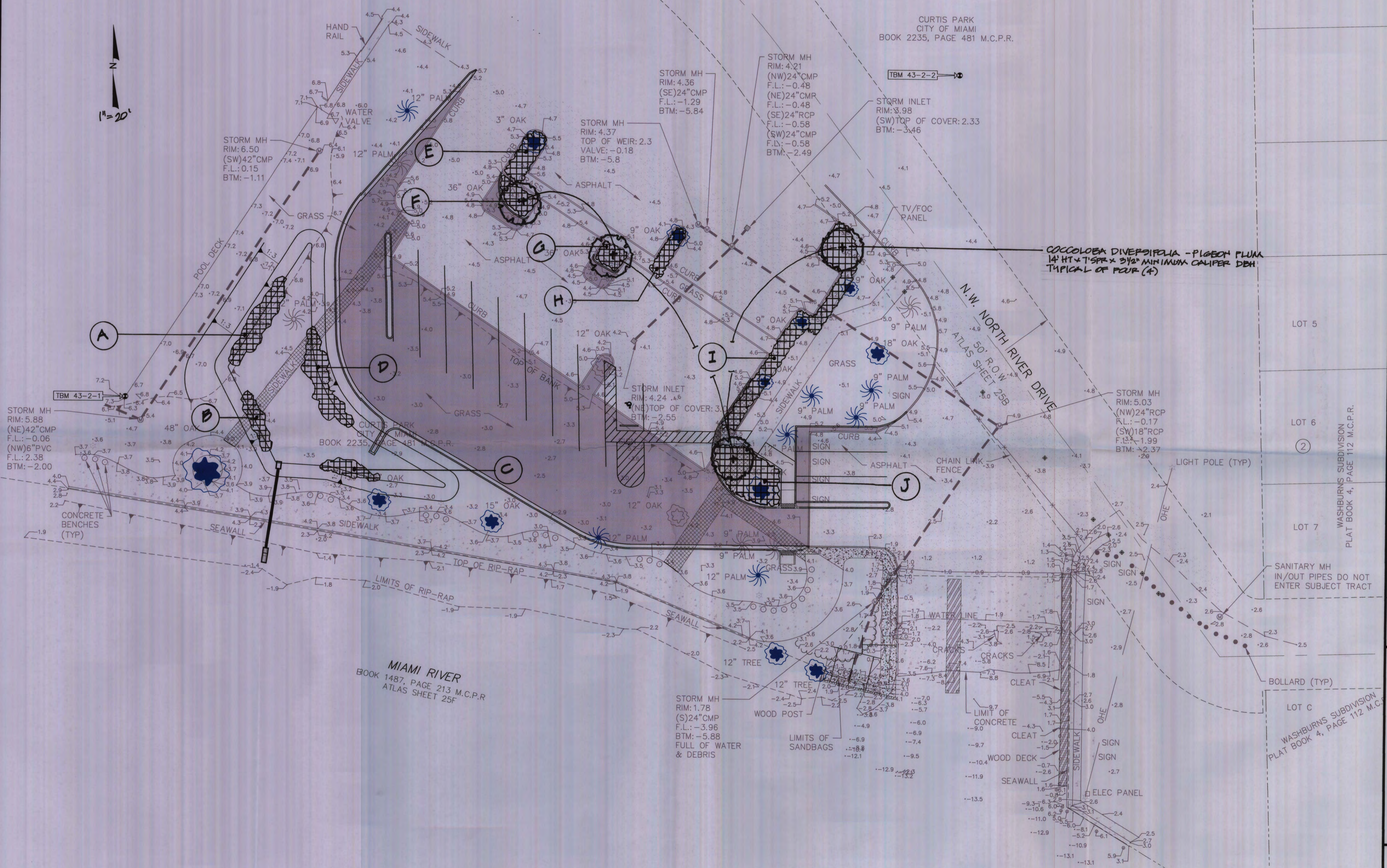
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Reference Files:	Designed by:	Checked by:	No.	Date	Description
	DM	AMB			
	GK	DM			
	DM	DM			
	3/07/13	DM			
	PAS NOTED	DM			
	148570	DM			

CITY OF MIAMI, FLORIDA
 CURTIS PARK BOAT RAMP IMPROVEMENTS
 TREE DISPOSITION PLAN
 DRAWING NO. TS-1
 SHEET 1 OF 1



CURTIS PARK
CITY OF MIAMI
BOOK 2235, PAGE 481 M.C.P.R.



COCOLOBA DIVERSIFOLIA - PIGEON PLUM
14' HT x 7" SP x 3 1/2" MINIMUM CALIFER DBH
TYPICAL OF FOUR (4)

N.W. NORTH RIVER DRIVE
50' R.O.W.
ATLAS SHEET 25B

MIAMI RIVER
BOOK 1487, PAGE 213 M.C.P.R.
ATLAS SHEET 25F

PLANTING PLAN
DEPARTMENT OF PARKS + RECREATION
7 MAY 2016

CB&I Environmental and Infrastructure, Inc.
14350 COMMERCE WAY
MIAMI LAKES, FLORIDA 33016
PH. (305) 818-1888
www.cb-i.com
C.O.A. FL. #6317

REVISIONS	No.	Date	Description
1	8/26/13	MM-DATE	MM-DATE
2	03/27/15	PAVEMENT MARKING	

Checked by: AMB
Reviewed by: DM
Designed by: DM
Drawn by: GK

Date: 3/07/13
Submitted by: DM
Comm. No.: 148570
AS NOTED

CITY OF MIAMI, FLORIDA
CURTIS PARK BOAT RAMP IMPROVEMENTS
PROPOSED
PARKING IMPROVEMENTS

DRAWING NO.
PV-2
SHEET 8 OF 15