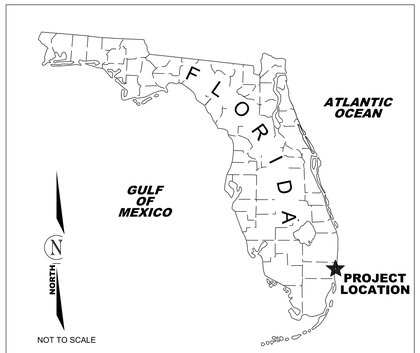
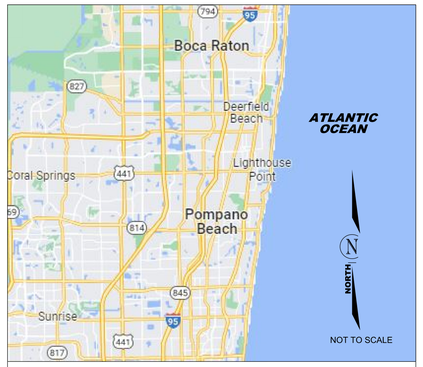
# MULTIBEAM HYDROGRAPHIC SURVEY

## CITY OF LIGHTHOUSE POINT
## BROWARD COUNTY, FLORIDA
## JUNE - AUGUST 2022




**LOCATION MAP**




**VICINITY MAP**

## VOLUMETRIC DATA

| CANAL / WATERWAY NAME | ESTIMATED DESIGN CUT VOLUME (CY) AT -5.0' MEAN LOW WATER |
|---|---|
| ALAMANDA | 1197 |
| BEACON | 21 |
| BATTELLO | 309 |
| BRAVO | 344 |
| CAP KNIGHT BAYOU | 624 |
| CORAL KEY | 481 |
| DELLA CHIESA | 1634 |
| DELLA CORTE (NORTH) | 197 |
| DELLA CORTE (SOUTH) | 223 |
| DELLA GONDOLA | 689 |
| DELLA MANDOLA | 313 |
| DELLA PAULA | 145 |
| DELLA TORRE (NORTH) | 3 |
| DELLA TORRE (SOUTH) | 605 |
| DI S PIETRO | 418 |
| DI S POLO | 775 |
| DIFUSINA | 352 |
| DIPORTA NUOVA | 303 |
| DOLPHIN BAY | 41 |
| EGRET | 533 |
| FLAMINGO (NORTH) | 1693 |
| FLAMINGO WATERWAY (SOUTH) | 98 |
| FRASER | 0 |
| HERON | 48 |
| HIBISCUS | 187 |
| HILLSBORO BAYOU | 0 |
| IBIS N | 354 |
| IBIS S | 416 |
| JASMINE | 113 |
| KINGFISHER | 486 |
| LAKE PLACID | 439 |
| LARGA | 0 |
| NORTH GRAND | 367 |
| OMOHUNDRO | 0 |
| PELICAN | 0 |
| POINSETTIA | 461 |
| RIALTO (NORTH) | 607 |
| RIALTO (SOUTH) | 156 |
| ROYAL POINCIANA | 420 |
| SAN MARCO (NORTH) | 75 |
| SAN MARCO (SOUTH) | 321 |
| SOUTH GRAND | 1990 |
| ST ELENA | 355 |
| TERN | 57 |

## SHEET INDEX

| SHEET PAGE | DESCRIPTION |
|---|---|
| 01 | COVER |
| 02 - 30 | PLAN SHEETS |

## LEGEND

| | |
|---|---|
| △ | SURVEY CONTROL MONUMENT |
| ⊕ | APPROXIMATE LOCATION OF TIDE STAFF |

**MLW COLOR PALETTE**

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
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- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

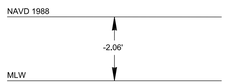



1000 500 0 1000 2000FT

SCALE: 1"=1000'

THIS MAP IS INTENDED TO BE DISPLAYED AT A SCALE OF 1" = 1000' OR SMALLER

## VERTICAL DATUM DIAGRAM




RELATIONSHIP BETWEEN
NORTH AMERICAN VERTICAL DATUM, 1988 (NAVD)
AND MEAN LOW WATER (MLW)

REFER TO TIDE STATION 872-2859
"HILLSBORO MARINA"
TIDAL EPOCH 1983 - 2001

## ABBREVIATIONS

| | |
|---|---|
| AZ. | AZIMUTH |
| EL | ELEVATION |
| FDOT | FLORIDA DEPARTMENT OF TRANSPORTATION |
| IRC | IRON ROD AND CAP |
| NAD | NORTH AMERICAN DATUM |
| NAVD | NORTH AMERICAN VERTICAL DATUM |
| RTK | REAL TIME KINEMATIC |

NOTES:

1. THIS HYDROGRAPHIC SURVEY WAS PERFORMED ON JUNE 6 TO AUGUST 19, 2022.
2. REFER TO SEA DIVERSIFIED PROJECT NUMBER 22-2986.
3. THIS SURVEY WAS PREPARED FOR THE CITY OF LIGHTHOUSE POINT AT THE REQUEST OF KIMLEY-HORN AND ASSOCIATES, INC.
4. THE PURPOSE OF THIS SURVEY WAS TO DETERMINE THE GENERAL BATHYMETRIC CONDITIONS OF THE CANAL SYSTEM WITHIN THE CITY OF LIGHTHOUSE POINT.
5. ALL FIELD DATA COLLECTION ACTIVITIES MEET OR EXCEED THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17.050, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.
6. THE INFORMATION DEPICTED HEREIN REPRESENTS THE RESULTS OF THE SURVEY ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THE TIME.
7. HORIZONTAL DATA ARE IN FEET AND RELATIVE TO THE FLORIDA STATE PLANE COORDINATE SYSTEM BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR FLORIDA, EAST ZONE (0901), NORTH AMERICAN DATUM (NAD) OF 1983, 1990 ADJUSTMENT. VERTICAL DATA ARE IN FEET AND RELATIVE TO MEAN LOW WATER (MLW), SEE VERTICAL; DATUM DIAGRAM FOR RELATIONSHIP TO NAVD 88. THE ELEVATION OF MLW WAS OBTAINED FROM THE FLORIDA STATE WEB SITE WWW.LABINS.ORG, REFERENCE NOAA TIDE STATION 872-2859 "HILLSBORO MARINA", TIDAL EPOCH 1983 - 2001.
8. BATHYMETRIC DATA WAS COLLECTED USING A TRIMBLE REAL-TIME KINEMATIC (RTK) GLOBAL POSITIONING SYSTEM (GPS) FOR POSITIONING AND A ODOM MB1 MULTIBEAM SOUNDER USING A 219kHz TRANSDUCER AND A TSS MODEL DMS-05 MOTION SENSOR. HORIZONTAL POSITION ACCURACY WAS VERIFIED USING PUBLISHED CONTROL POINTS. THE SOUNDER WAS CALIBRATED PRIOR TO THE START OF THE SURVEY FOLLOWING MANUFACTURER RECOMMENDED PROCEDURES.
9. RTK TIDES WERE APPLIED IN REAL-TIME DURING THE COURSE OF THE BATHYMETRIC SURVEY. FOR REDUNDANCY, WATER LEVELS WERE OBSERVED AT TIDE STAFF LOCATIONS LISTED HEREIN UTILIZING AN INSITU LEVEL TROLL 500 SELF-RECORDING PRESSURE GAUGE..
10. AERIAL PHOTOGRAPHY DOWNLOADED FROM WWW.LABINS.ORG AND IS PROVIDED FOR GRAPHICAL PURPOSES ONLY. IMAGERY DATED 2019.
11. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

## SURVEY CONTROL

| CONTROL POINT | STATE PLANE COORDINATES (NAD 83) EASTING (FT) | NORTHING (FT) | ELEVATION (FEET, NAVD88) | DESCRIPTION |
|---|---|---|---|---|
| PIONEER | 951578,10 | 723742,83 | 9,26 | C&GS DISC IN CONCRETE MONUMENT AT PIONEER CITY PARK DEERFIELD BEACH |
| DA5 | 953764,98 | 705464,70 | 3,34 | FDOT IRC FOUND IN GRASS AT FRONT OF WALK AT #3221 NE 23 AVE, LIGHTHOUSE POINT |
| A18 | 952560,35 | 712154,19 | 9,14 | NAIL & DISC IN NORTH END OF CONCRETE HIGHWAY DIVIDER AT #4800 N, FEDERAL HIGHWAY, LIGHTHOUSE POINT |

## TIDE STAFF LOCATION

| I.D. | STATE PLANE COORDINATES (NAD 83) EASTING (FT) | NORTHING (FT) |
|---|---|---|
| 1 | 956479,60 | 712423,40 |
| 2 | 956630,04 | 709554,99 |
| 3 | 955958,42 | 703980,45 |
| 6 | 954805,95 | 706924,63 |

**I HEREBY CERTIFY THAT THE HYDROGRAPHIC SURVEY SHOWN HEREON IS BASED ON A RECENT FIELD SURVEY CONDUCTED UNDER MY PERSONAL DIRECTION AND IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF AND MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.**

**WILLIAM T. SADLER JR., P.E., P.S.M.**
**FLORIDA PROFESSIONAL SURVEYOR AND MAPPER**
**FLORIDA REGISTRATION NO. 5859**
**FLORIDA AUTHORIZATION NO. LB-7432**

**DATE:**

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

**PROJECT:** MULTIBEAM HYDROGRAPHIC SURVEY
CITY OF LIGHTHOUSE POINT
BROWARD COUNTY, FLORIDA
JUNE - AUGUST 2022

**SHEET TITLE:** COVER / PLAN VIEW
SHEET LAYOUT

**PREPARED FOR:**

**PREPARED BY:**

SEA DIVERSIFIED, INC.
Surveying & Engineering Applications
160 CONGRESS PARK DRIVE, SUITE 114
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
WWW.SEADIVERSIFIED.COM


| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | C-1 |

CADD ID:
TOTAL NUMBER OF SHEETS:

X 956200
X 956400
X 956600
X 956800
X 957000
X 957200
X 957400

Y 714800
Y 714600
Y 714400
Y 714200
Y 714000
Y 713800

N.E. 53rd ST
N.E. 52nd CT
DESIGN CHANNEL
N.E. 52nd ST
N.E. 28th AVE
N.E. 29th AVE
IBIS WATERWAY
N.E. 30th AVE
N.E. 30th TERR
N.E. 31st AVE
N.E. 51st ST
INTRACOASTAL WATERWAY
MATCH LINE SHEET 3

## SHEET LAYOUT

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NORTH

60' 0' 60'
SCALE: 1" = 60'

REVISIONS:

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|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA JUNE 1959

PREPARED BY:

**SEA DIVERSIFIED, INC.**
Surveying & Engineering Applications
160 CONGRESS PARK DRIVE, SUITE 114
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
WWW.SEADIVERSIFIED.COM


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|---|---|
| DATE: | AUGUST 2022 |
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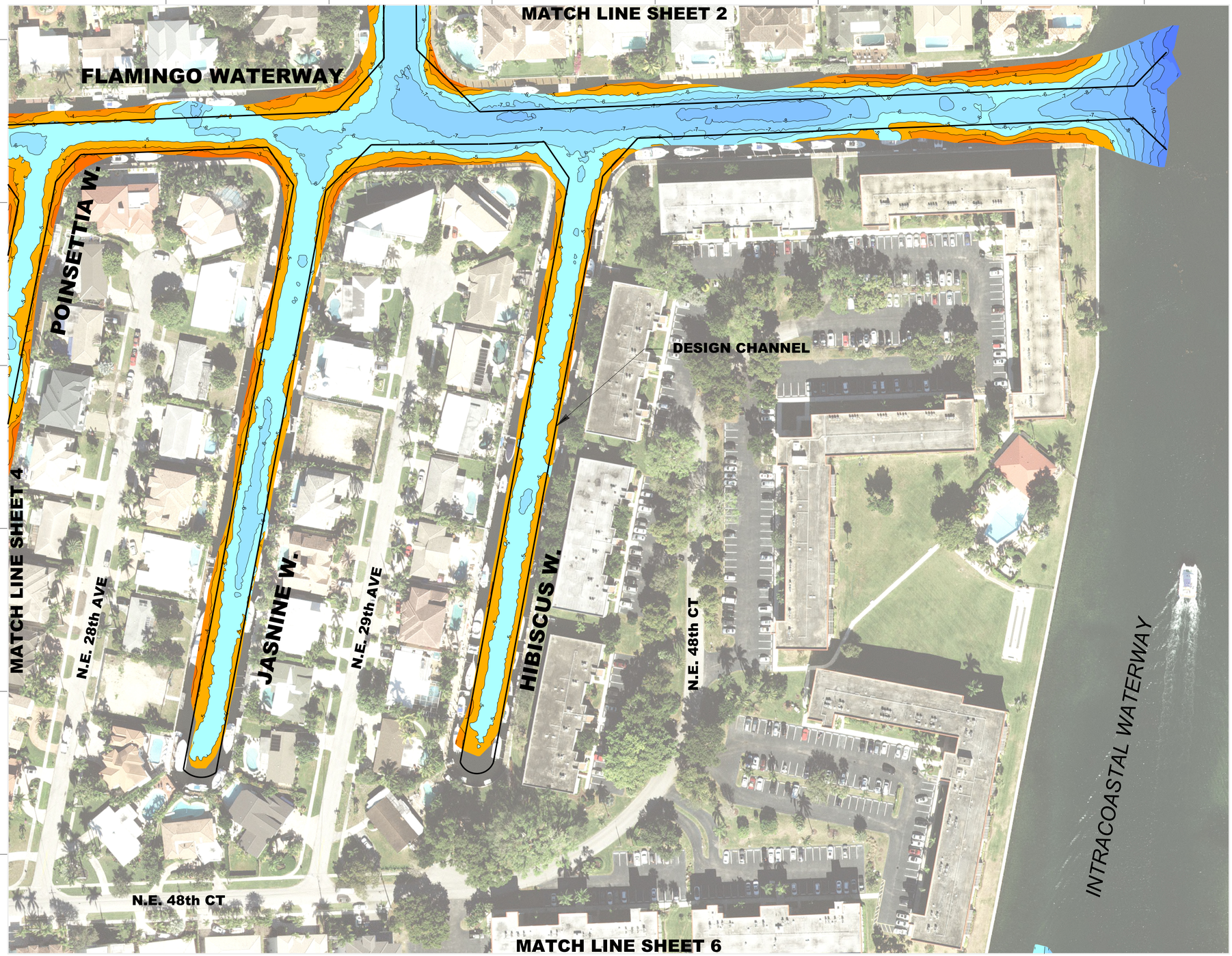
| SCALE: | AS SHOWN |

SHEET:
**2**

CADD ID:
TOTAL NUMBER OF SHEETS:

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NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

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|---|---|---|
| | | |

PROJECT:
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**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA JUNE 1959

PREPARED BY:

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|---|---|
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| DRAWN BY: | B.N.W. |
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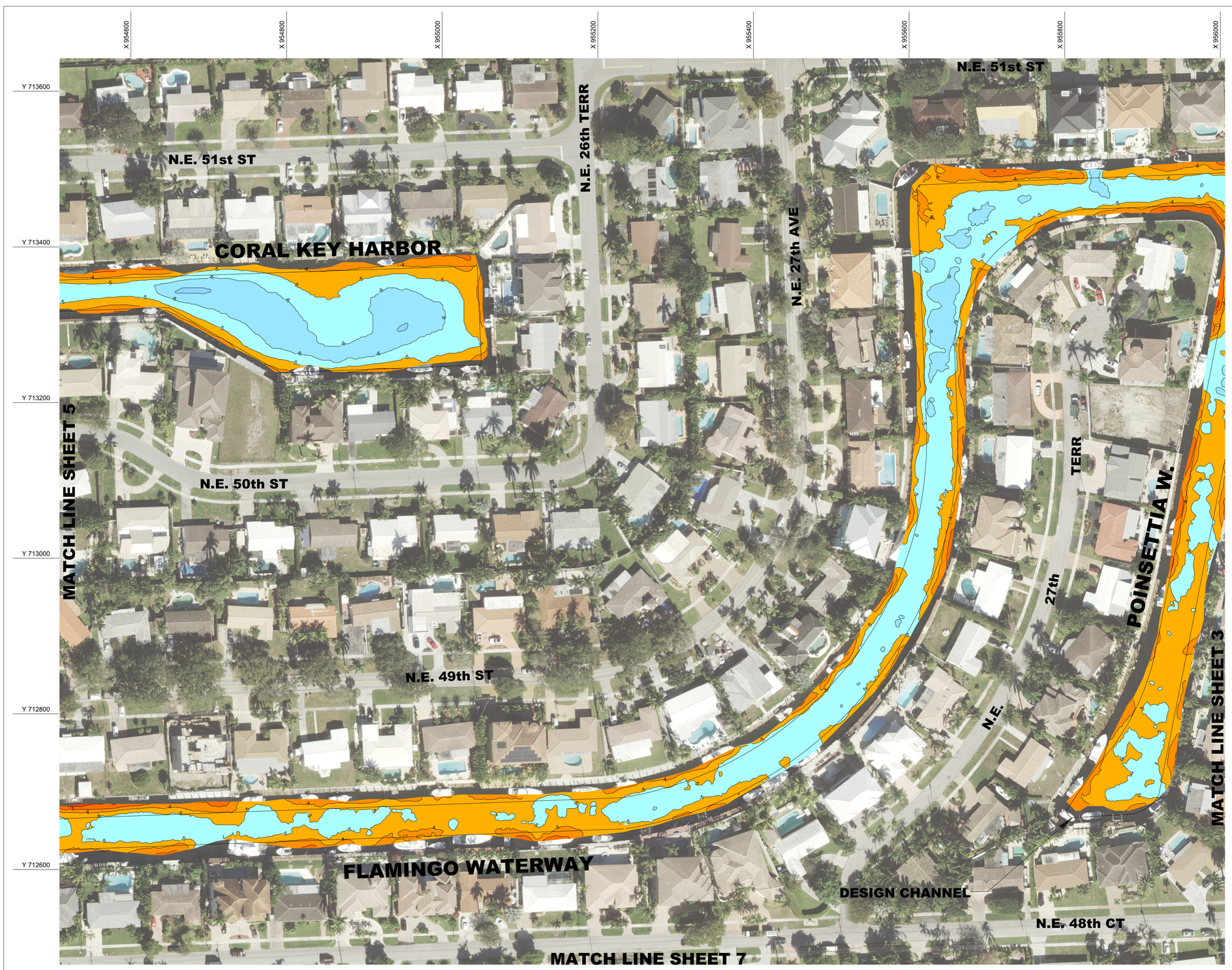
| SCALE: | AS SHOWN |

SHEET:
**3**

CADD ID:
TOTAL NUMBER OF SHEETS:




## SHEET LAYOUT

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NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

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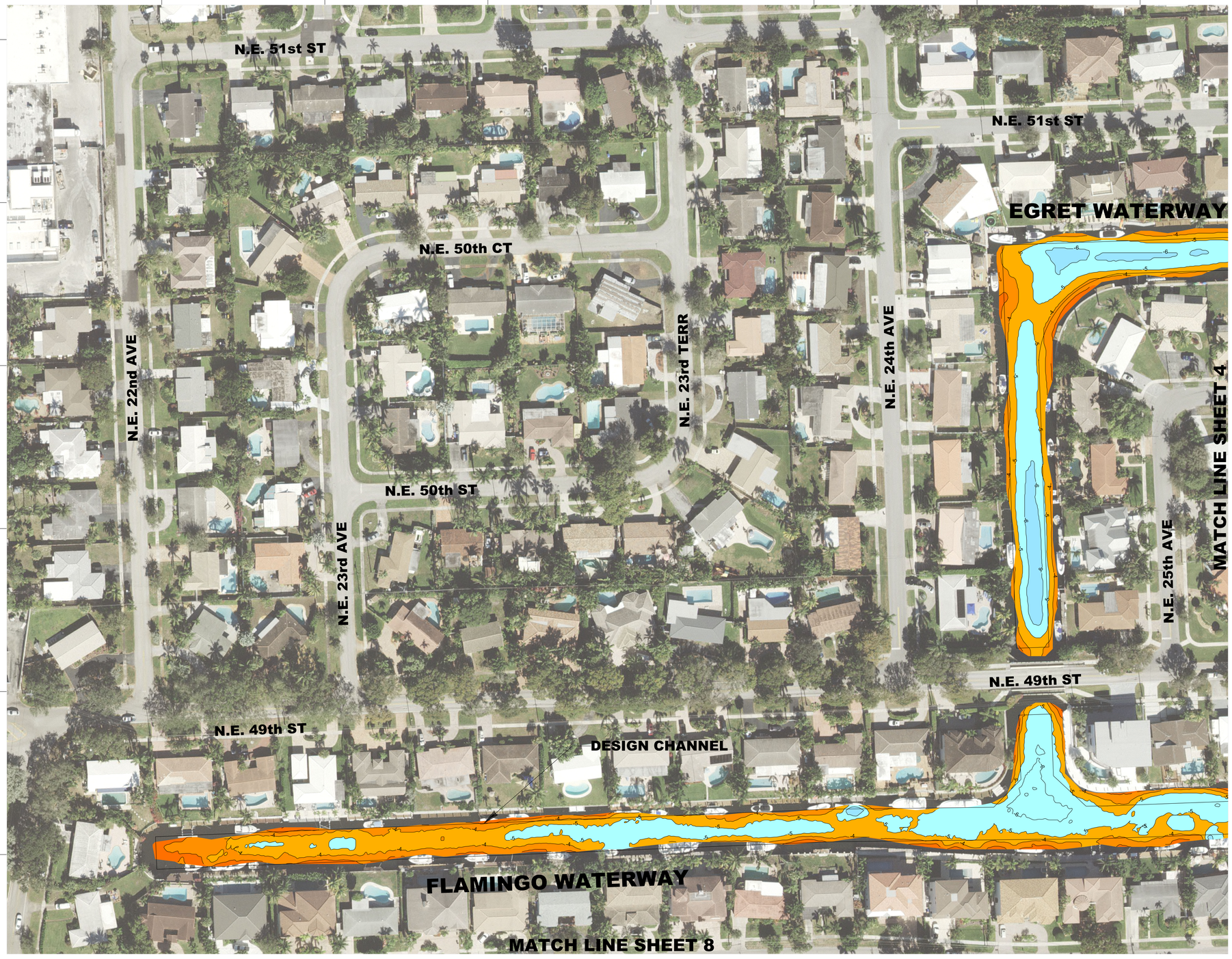
| SCALE: | AS SHOWN |
| SHEET: | 4 |

CADD ID:
TOTAL NUMBER OF SHEETS:

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SCALE: 1" = 60'

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|---|---|
| DATE: | AUGUST 2022 |
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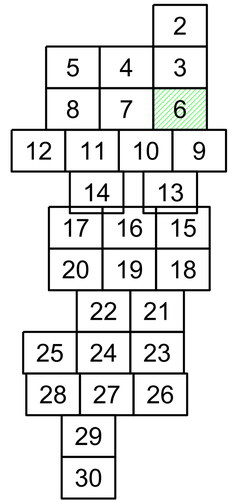
| SCALE: | AS SHOWN |
| SHEET: | 5 |

CADD ID:
TOTAL NUMBER OF SHEETS:




## SHEET LAYOUT

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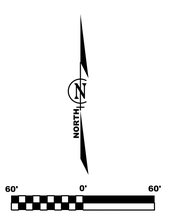


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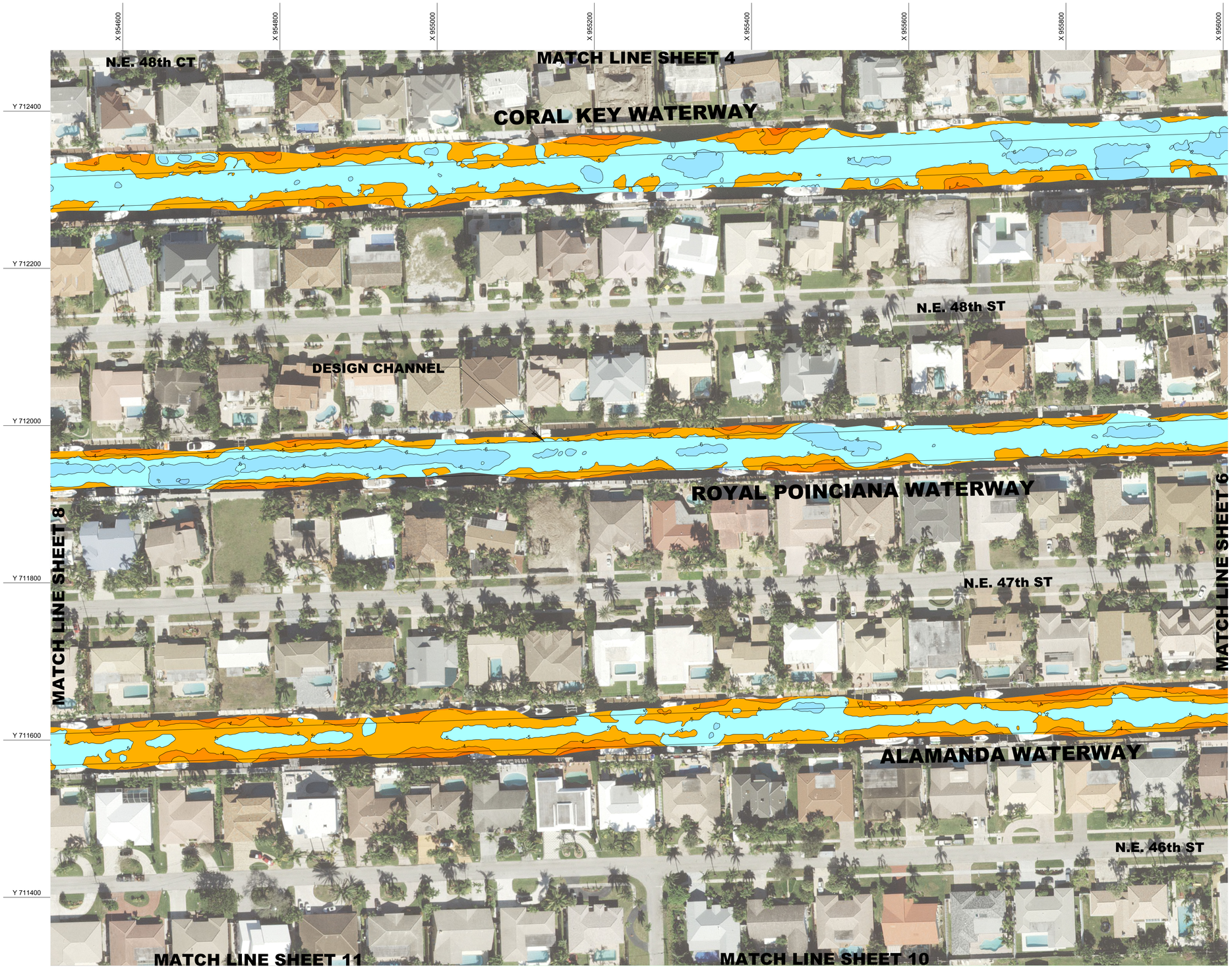
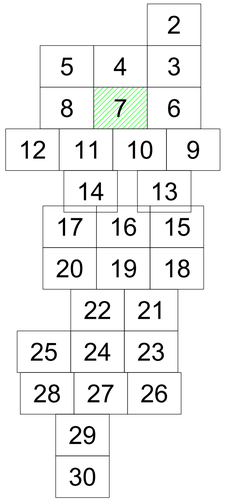
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 6 |
| CADD ID: | |
| TOTAL NUMBER OF SHEETS: | |




## SHEET LAYOUT




## MLW COLOR PALETTE

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

REVISIONS:

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
MULTIBEAM HYDROGRAPHIC SURVEY
CITY OF LIGHTHOUSE POINT
BROWARD COUNTY, FLORIDA
JUNE - AUGUST 2022

SHEET TITLE:
PLAN VIEW CHARTS

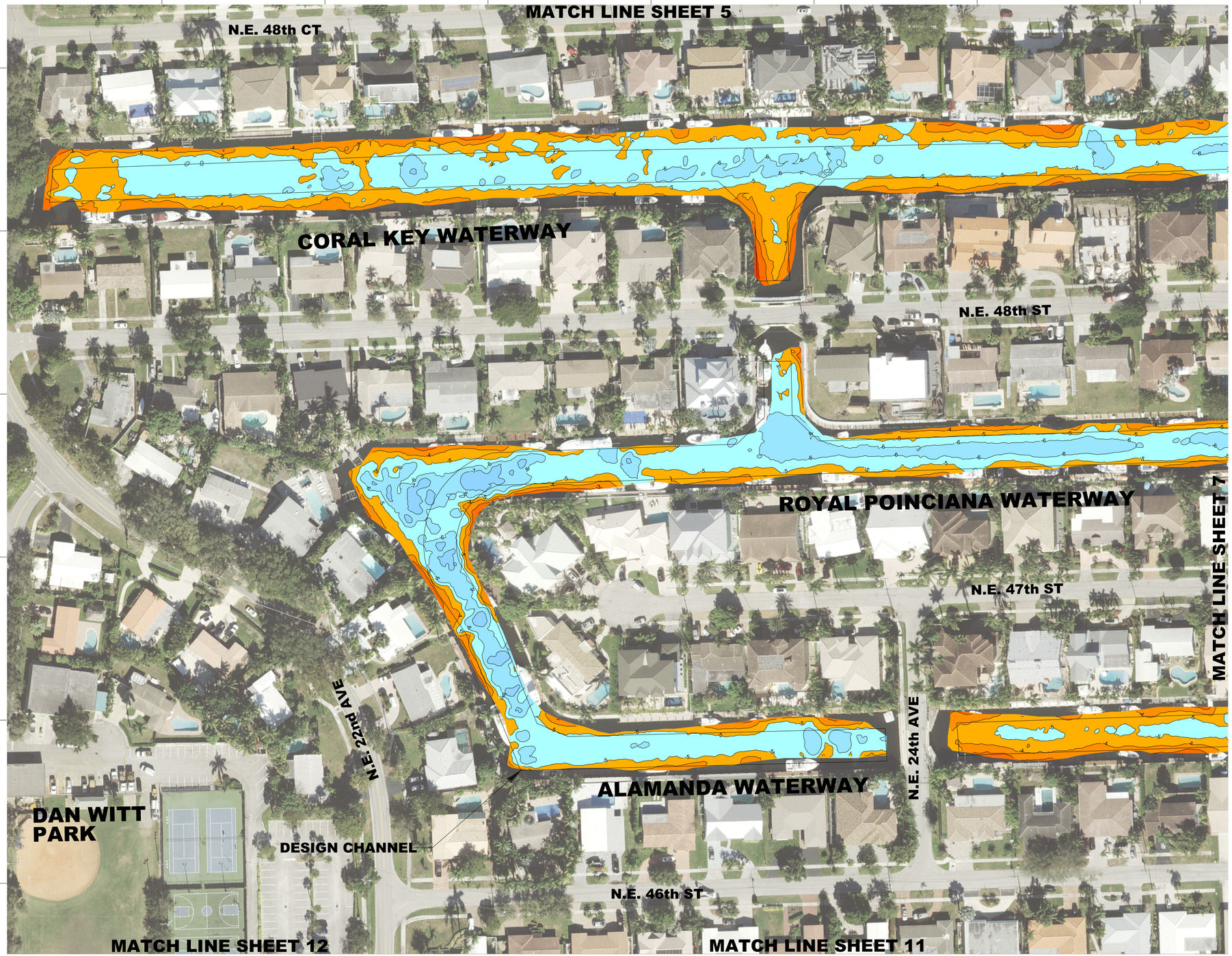
PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA JUNE 1959

PREPARED BY:
SEA DIVERSIFIED, INC.
Surveying & Engineering Applications
160 CONGRESS PARK DRIVE, SUITE 114
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
WWW.SEADIVERSIFIED.COM

SEA DIVERSIFIED

| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 7 |

CADD ID:
TOTAL NUMBER OF SHEETS:




**SHEET LAYOUT**

| | | | | |
|---|---|---|---|---|
| | | | | 2 |
| | 5 | 4 | 3 | |
| | 8 | 7 | 6 | |
| 12 | 11 | 10 | 9 | |
| | 14 | | 13 | |
| | 17 | 16 | 15 | |
| | 20 | 19 | 18 | |
| | | 22 | 21 | |
| | 25 | 24 | 23 | |
| | 28 | 27 | 26 | |
| | | 29 | | |
| | | 30 | | |

**MLW COLOR PALETTE**

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA — JUNE 1959

PREPARED BY:

**SEA DIVERSIFIED, INC.**
Surveying & Engineering Applications
160 CONGRESS PARK DRIVE, SUITE 114
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
WWW.SEADIVERSIFIED.COM

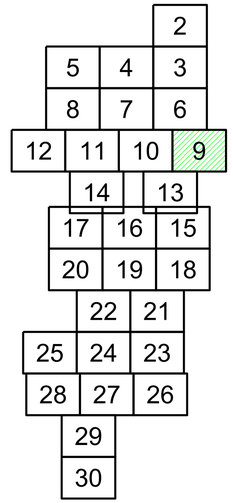

SEA DIVERSIFIED

| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 8 |

CADD ID:
TOTAL NUMBER OF SHEETS:




## SHEET LAYOUT




## MLW COLOR PALETTE

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

REVISIONS:

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

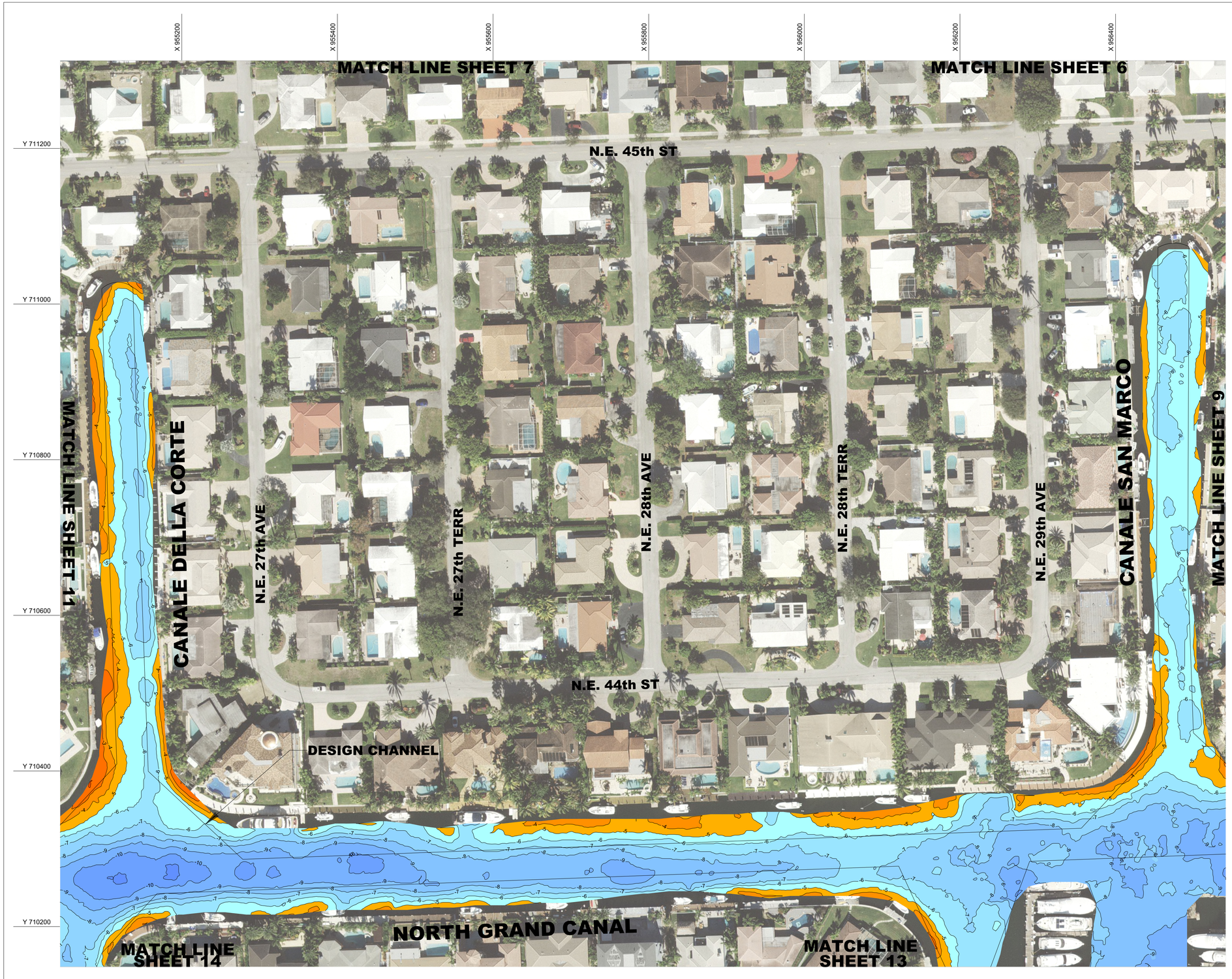
SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:

PREPARED BY:
**SEA DIVERSIFIED, INC.**
Surveying & Engineering Applications
160 CONGRESS PARK DRIVE, SUITE 114
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
WWW.SEADIVERSIFIED.COM

| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 9 |

CADD ID:
TOTAL NUMBER OF SHEETS:




**SHEET LAYOUT**

| | | | | |
|---|---|---|---|---|
| | | | 2 | |
| | 5 | 4 | 3 | |
| | 8 | 7 | 6 | |
| 12 | 11 | 10 | 9 | |
| | 14 | | 13 | |
| | 17 | 16 | 15 | |
| | 20 | 19 | 18 | |
| | | 22 | 21 | |
| 25 | 24 | 23 | | |
| 28 | 27 | 26 | | |
| | 29 | | | |
| | 30 | | | |

**MLW COLOR PALETTE**

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA JUNE 1953


PREPARED BY:
**SEA DIVERSIFIED, INC.**
Surveying & Engineering Applications
160 CONGRESS PARK DRIVE, SUITE 114
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
WWW.SEADIVERSIFIED.COM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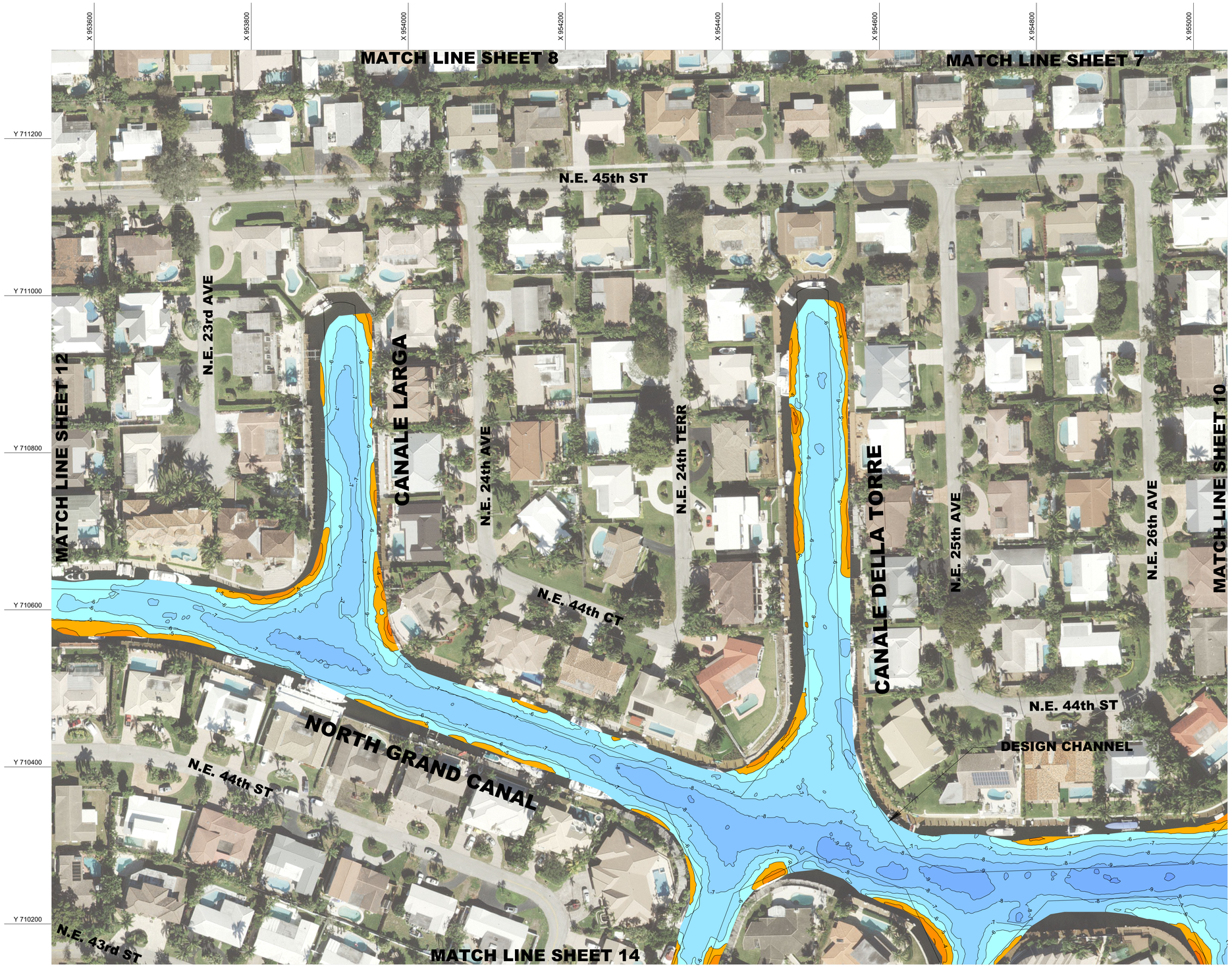
| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.S. |
| SCALE: | AS SHOWN |
| SHEET: | 10 |

CADD ID:
TOTAL NUMBER OF SHEETS:




## SHEET LAYOUT

| | | | | |
|---|---|---|---|---|
| | | | | 2 |
| | 5 | 4 | 3 | |
| | 8 | 7 | 6 | |
| 12 | 11 | 10 | 9 | |
| | 14 | | 13 | |
| | 17 | 16 | 15 | |
| | 20 | 19 | 18 | |
| | | 22 | 21 | |
| 25 | 24 | 23 | | |
| | 28 | 27 | 26 | |
| | | 29 | | |
| | | 30 | | |

## MLW COLOR PALETTE

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:

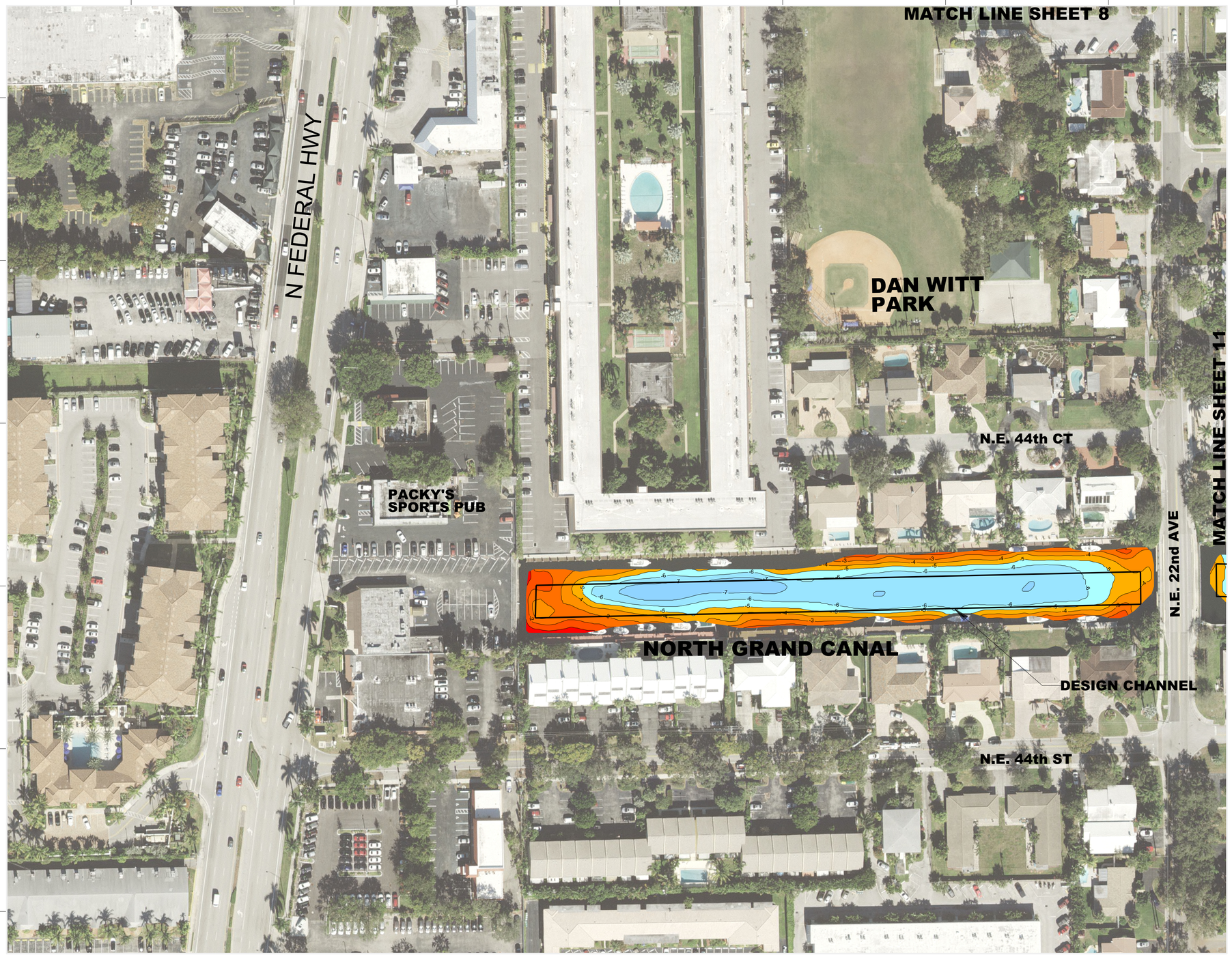
PREPARED BY:

**SEA DIVERSIFIED, INC.**
Surveying & Engineering Applications
160 CONGRESS PARK DRIVE, SUITE 114
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
WWW.SEADIVERSIFIED.COM


SEA DIVERSIFIED

| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 11 |

CADD ID:
TOTAL NUMBER OF SHEETS:




**SHEET LAYOUT**

| | | | | |
|---|---|---|---|---|
| | | 2 | | |
| | 5 | 4 | 3 | |
| | 8 | 7 | 6 | |
| 12 | 11 | 10 | 9 | |
| | 14 | | 13 | |
| | 17 | 16 | 15 | |
| | 20 | 19 | 18 | |
| | | 22 | 21 | |
| 25 | 24 | 23 | | |
| 28 | 27 | 26 | | |
| | 29 | | | |
| | 30 | | | |

**MLW COLOR PALETTE**

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

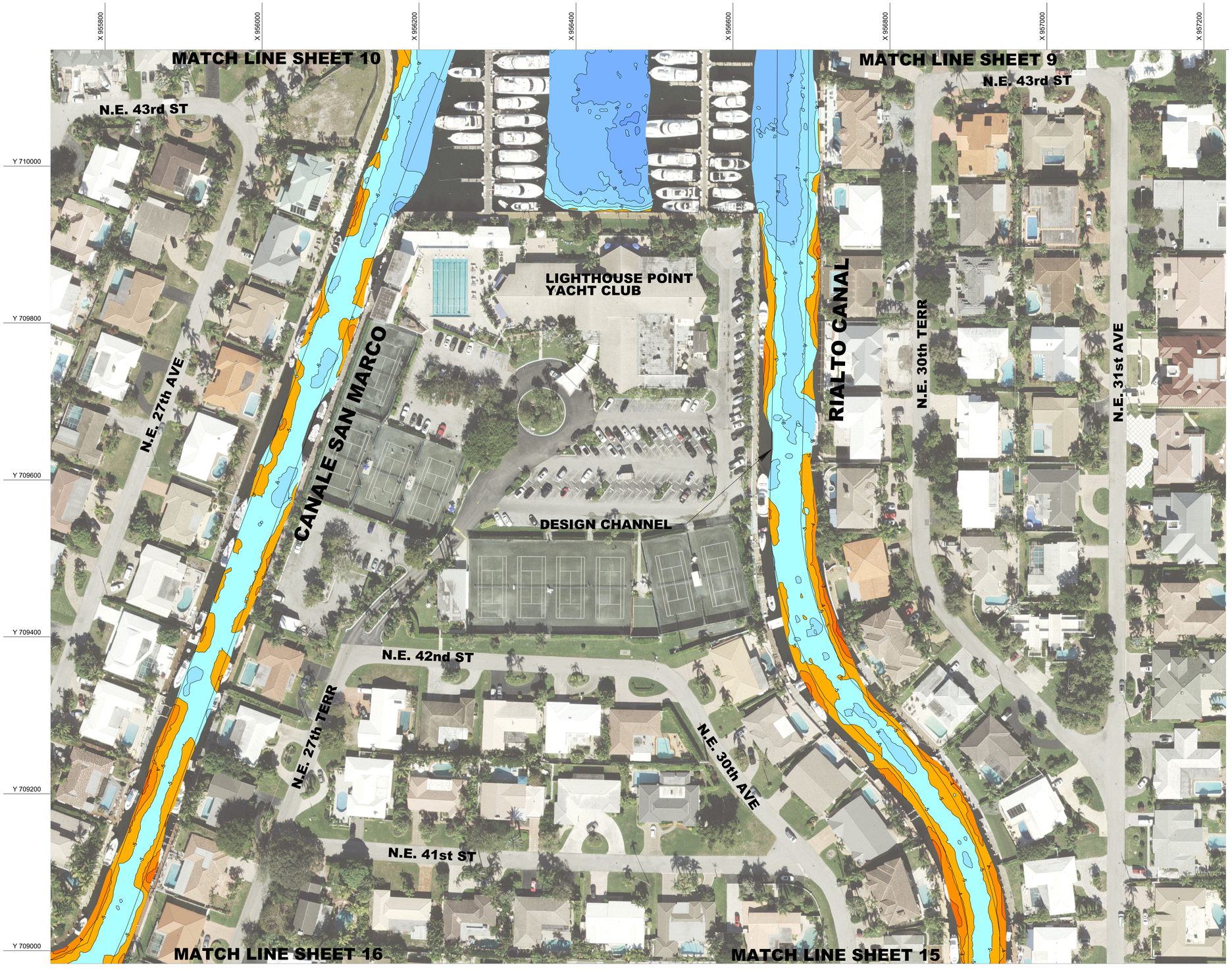
PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA — JUNE 1959

PREPARED BY:

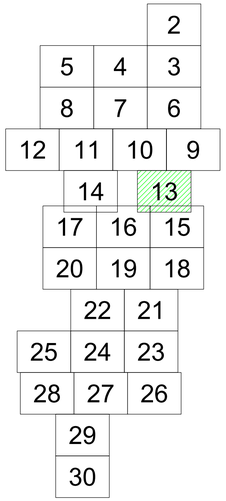
**SEA DIVERSIFIED, INC.**
Surveying & Engineering Applications
160 CONGRESS PARK DRIVE, SUITE 114
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
WWW.SEADIVERSIFIED.COM


SEA DIVERSIFIED

| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 12 |
| CADD ID: | |
| TOTAL NUMBER OF SHEETS: | |




## SHEET LAYOUT




## MLW COLOR PALETTE

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

REVISIONS:

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
MULTIBEAM HYDROGRAPHIC SURVEY
CITY OF LIGHTHOUSE POINT
BROWARD COUNTY, FLORIDA
JUNE - AUGUST 2022

SHEET TITLE:
PLAN VIEW CHARTS

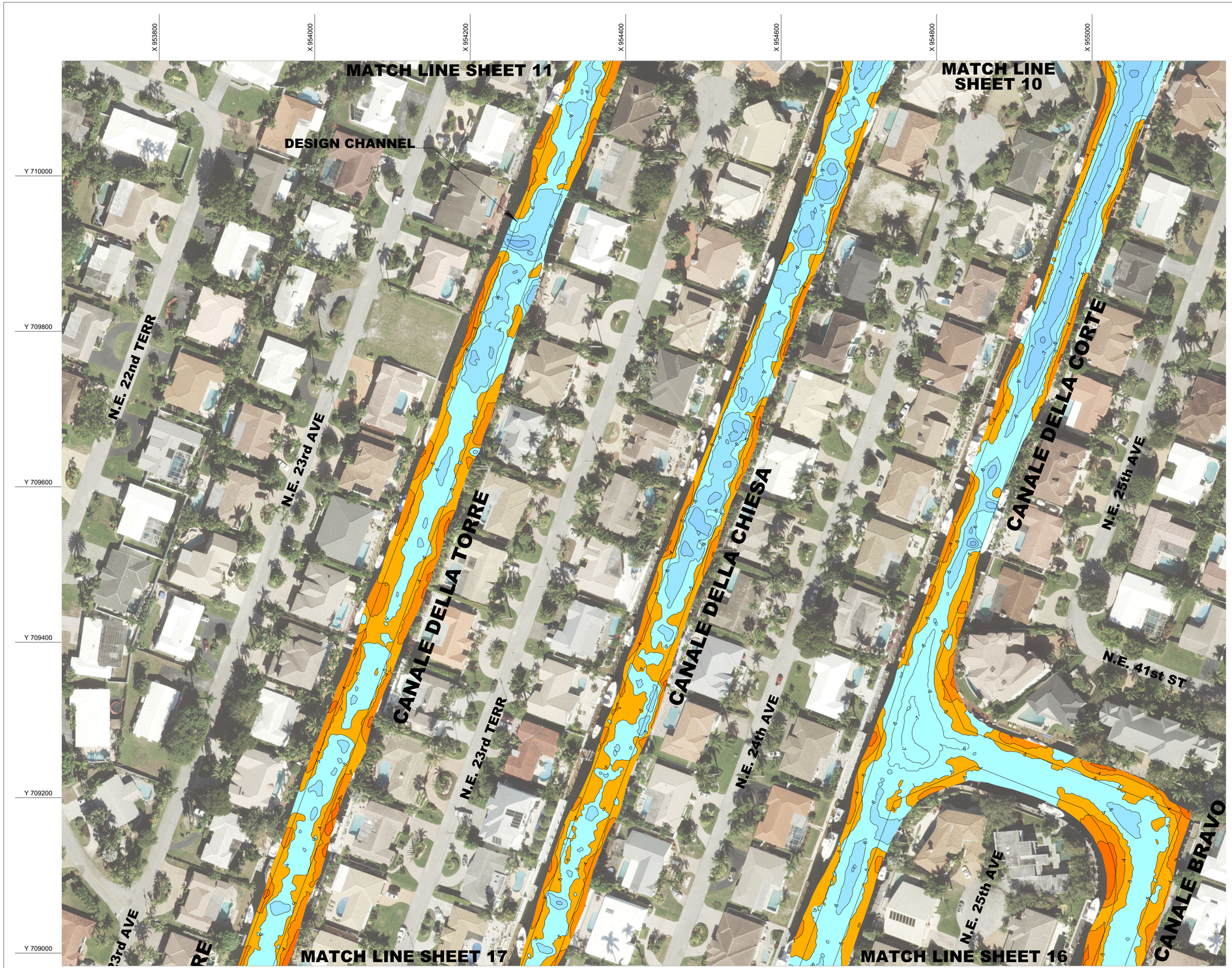
PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA
ALONE 1959

PREPARED BY:
SEA DIVERSIFIED, INC.
Surveying & Engineering Applications
160 CONGRESS PARK DRIVE, SUITE 114
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
WWW.SEADIVERSIFIED.COM

SEA DIVERSIFIED

| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 13 |

CADD ID:
TOTAL NUMBER OF SHEETS:




## SHEET LAYOUT

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | 2 | | | | |
| | | 5 | 4 | 3 | | | | |
| | | 8 | 7 | 6 | | | | |
| 12 | 11 | 10 | 9 | | | | | |
| | | 14 | | 13 | | | | |
| | | 17 | 16 | 15 | | | | |
| | | 20 | 19 | 18 | | | | |
| | | | 22 | 21 | | | | |
| | 25 | 24 | 23 | | | | | |
| | 28 | 27 | 26 | | | | | |
| | | 29 | | | | | | |
| | | 30 | | | | | | |

## MLW COLOR PALETTE

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

REVISIONS:

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA — JUNE 1959

PREPARED BY:

**SEA DIVERSIFIED, INC.**
Surveying & Engineering Applications
160 CONGRESS PARK DRIVE, SUITE 114
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
WWW.SEADIVERSIFIED.COM


SEA DIVERSIFIED

| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 14 |

CADD ID:
TOTAL NUMBER OF SHEETS:




## SHEET LAYOUT

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | 2 | | | | |
| | | 5 | 4 | 3 | | | | |
| | | 8 | 7 | 6 | | | | |
| 12 | 11 | 10 | 9 | | | | | |
| | | 14 | | 13 | | | | |
| | | 17 | 16 | 15 | | | | |
| | | 20 | 19 | 18 | | | | |
| | | | 22 | 21 | | | | |
| | 25 | 24 | 23 | | | | | |
| | 28 | 27 | 26 | | | | | |
| | | 29 | | | | | | |
| | | 30 | | | | | | |

## MLW COLOR PALETTE

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:

PREPARED BY:

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Surveying & Engineering Applications
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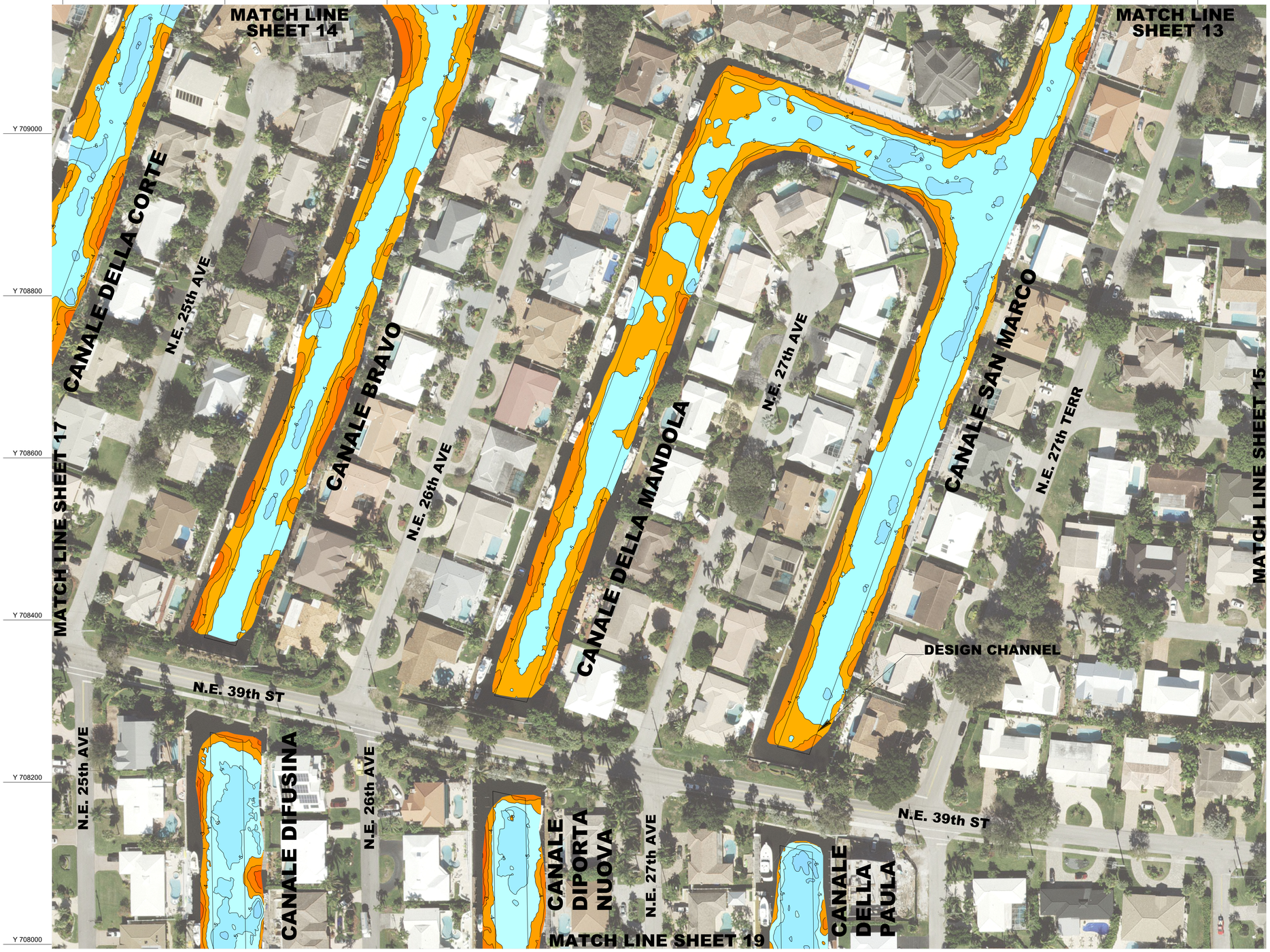
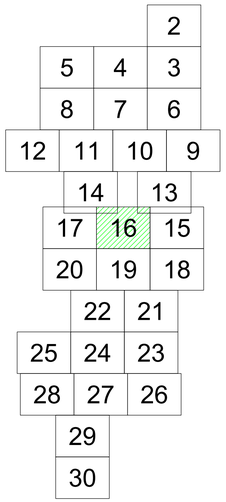
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
WWW.SEADIVERSIFIED.COM


| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 15 |

CADD ID:
TOTAL NUMBER OF SHEETS:

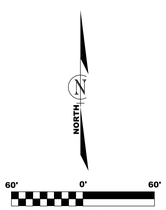



## SHEET LAYOUT




## MLW COLOR PALETTE

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >




REVISIONS:

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
MULTIBEAM HYDROGRAPHIC SURVEY
CITY OF LIGHTHOUSE POINT
BROWARD COUNTY, FLORIDA
JUNE - AUGUST 2022

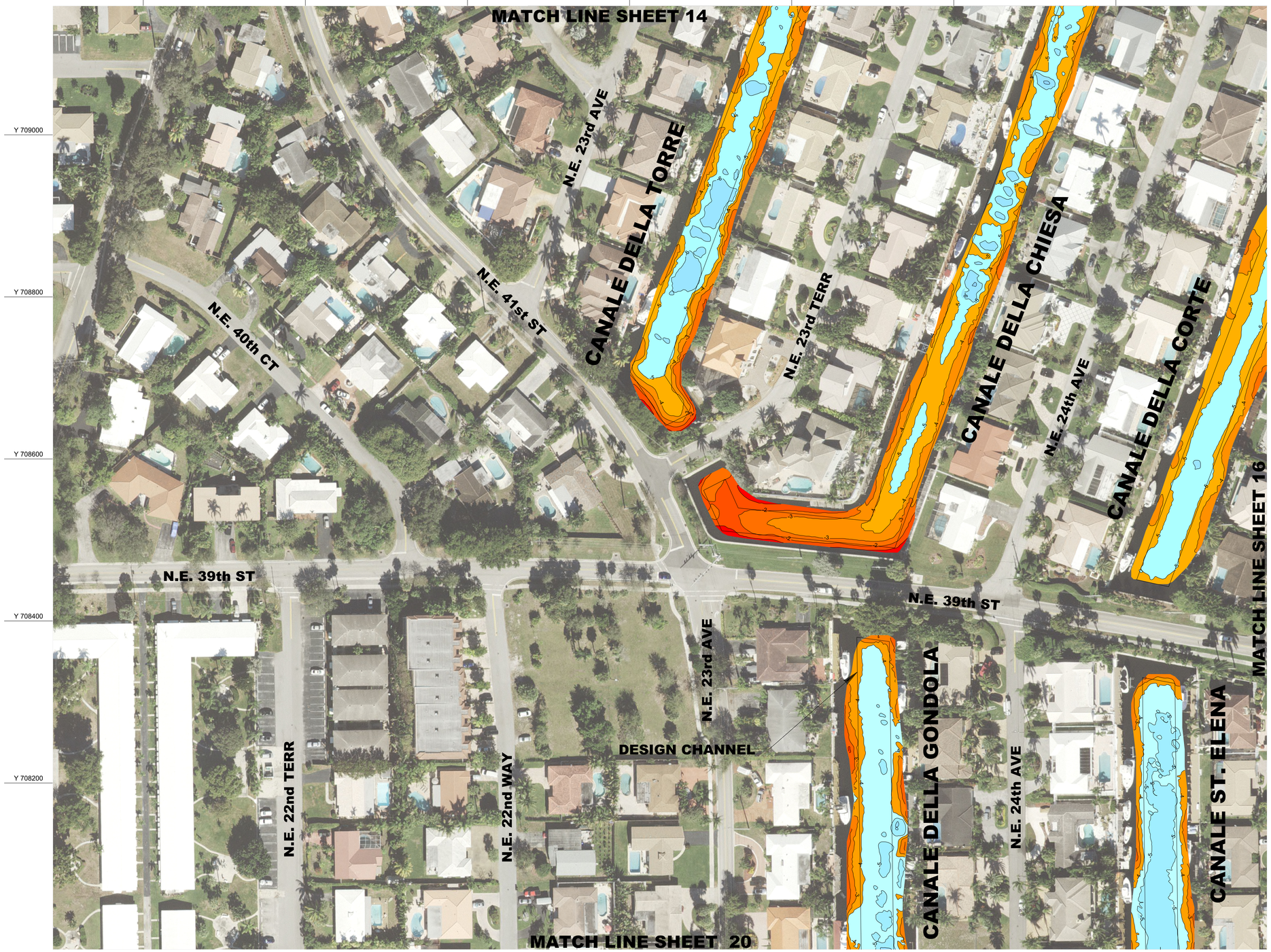
SHEET TITLE:
PLAN VIEW CHARTS

PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA JUNE 1959

PREPARED BY:
SEA DIVERSIFIED, INC.
Surveying & Engineering Applications
160 CONGRESS PARK DRIVE, SUITE 114
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
WWW.SEADIVERSIFIED.COM

SEA DIVERSIFIED

| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 16 |
| CADD ID: | |
| TOTAL NUMBER OF SHEETS: | |




## SHEET LAYOUT

| | | | |
|---|---|---|---|
| | | | 2 |
| | 5 | 4 | 3 |
| | 8 | 7 | 6 |
| 12 | 11 | 10 | 9 |
| | 14 | | 13 |
| | 17 | 16 | 15 |
| | 20 | 19 | 18 |
| | | 22 | 21 |
| 25 | 24 | 23 | |
| 28 | 27 | 26 | |
| | 29 | | |
| | 30 | | |

## MLW COLOR PALETTE

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:

PREPARED BY:

**SEA DIVERSIFIED, INC.**
Surveying & Engineering Applications
160 CONGRESS PARK DRIVE, SUITE 114
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
WWW.SEADIVERSIFIED.COM


| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 17 |

CADD ID:
TOTAL NUMBER OF SHEETS:




## SHEET LAYOUT

| | | | | |
|---|---|---|---|---|
| | | | | 2 |
| | | 5 | 4 | 3 |
| | | 8 | 7 | 6 |
| 12 | 11 | 10 | 9 | |
| | 14 | | 13 | |
| | 17 | 16 | 15 | |
| | 20 | 19 | 18 | |
| | | 22 | 21 | |
| | 25 | 24 | 23 | |
| | 28 | 27 | 26 | |
| | | 29 | | |
| | | 30 | | |

## MLW COLOR PALETTE

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA JUNE 1959

PREPARED BY:
**SEA DIVERSIFIED, INC.**
Surveying & Engineering Applications
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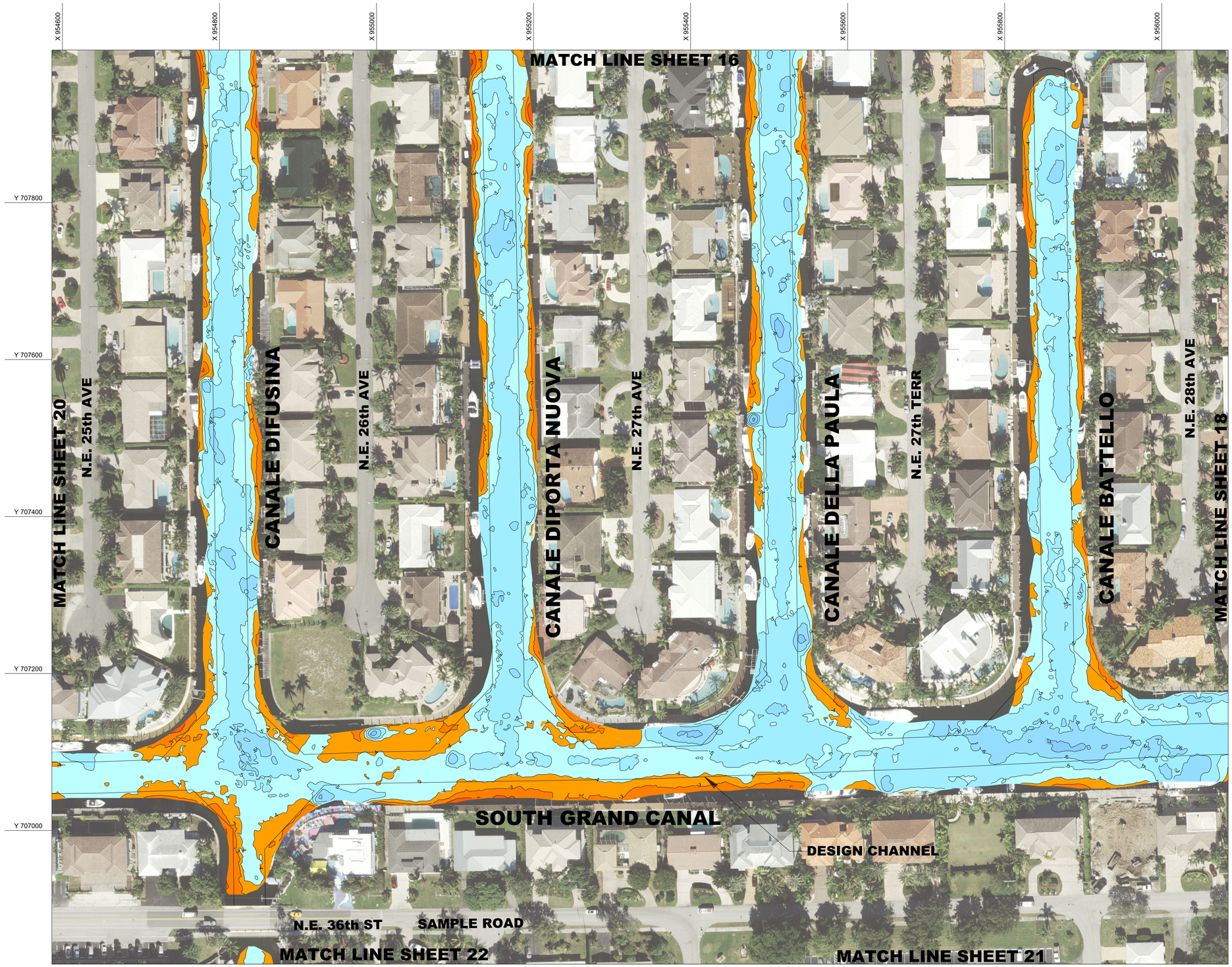
| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 18 |

CADD ID:
TOTAL NUMBER OF SHEETS:




## SHEET LAYOUT

| | | | | |
|---|---|---|---|---|
| | | | | 2 |
| | | 5 | 4 | 3 |
| | | 8 | 7 | 6 |
| 12 | 11 | 10 | 9 | |
| | | 14 | 13 | |
| | 17 | 16 | 15 | |
| | 20 | 19 | 18 | |
| | | 22 | 21 | |
| 25 | 24 | 23 | | |
| 28 | 27 | 26 | | |
| | 29 | | | |
| | 30 | | | |

## MLW COLOR PALETTE

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA — JUNE 1959

PREPARED BY:

**SEA DIVERSIFIED, INC.**
Surveying & Engineering Applications
160 CONGRESS PARK DRIVE, SUITE 114
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
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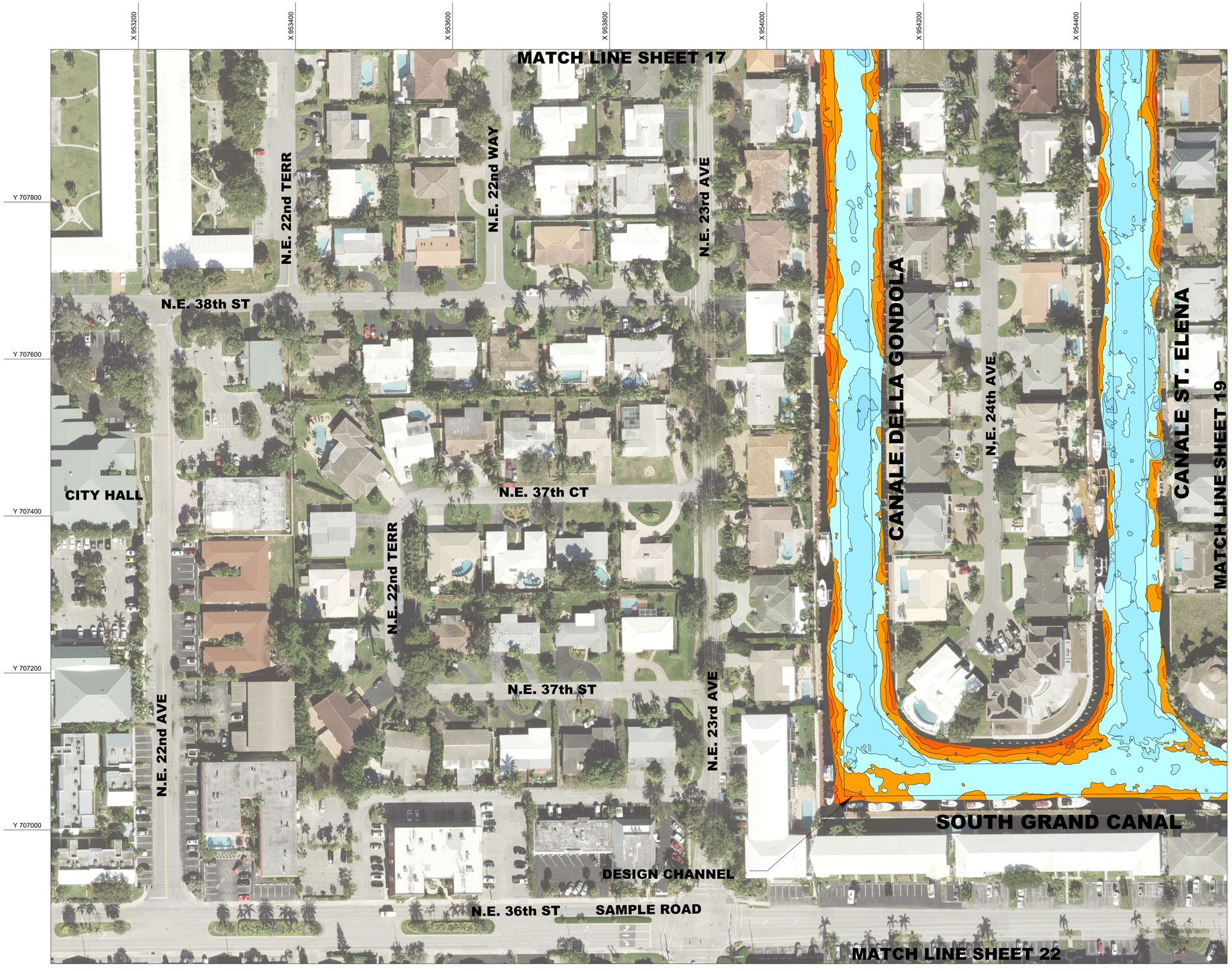
| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 19 |
| CADD ID: | |
| TOTAL NUMBER OF SHEETS: | |




## SHEET LAYOUT

| | | | | |
|---|---|---|---|---|
| | | | | 2 |
| | 5 | 4 | 3 | |
| | 8 | 7 | 6 | |
| 12 | 11 | 10 | 9 | |
| | 14 | | 13 | |
| | 17 | 16 | 15 | |
| | 20 | 19 | 18 | |
| | | 22 | 21 | |
| 25 | 24 | 23 | | |
| 28 | 27 | 26 | | |
| | 29 | | | |
| | 30 | | | |

## MLW COLOR PALETTE

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA JUNE 1959

PREPARED BY:

**SEA DIVERSIFIED, INC.**
Surveying & Engineering Applications
160 CONGRESS PARK DRIVE, SUITE 114
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
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| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 20 |

CADD ID:
TOTAL NUMBER OF SHEETS:




## SHEET LAYOUT

| | | | | |
|---|---|---|---|---|
| | | | | 2 |
| | | 5 | 4 | 3 |
| | | 8 | 7 | 6 |
| 12 | 11 | 10 | 9 | |
| | 14 | | 13 | |
| | 17 | 16 | 15 | |
| | 20 | 19 | 18 | |
| | | 22 | 21 | |
| 25 | 24 | 23 | | |
| 28 | 27 | 26 | | |
| | 29 | | | |
| | 30 | | | |

## MLW COLOR PALETTE

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA — JUNE 1953


PREPARED BY:
**SEA DIVERSIFIED, INC.**
Surveying & Engineering Applications
160 CONGRESS PARK DRIVE, SUITE 114
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
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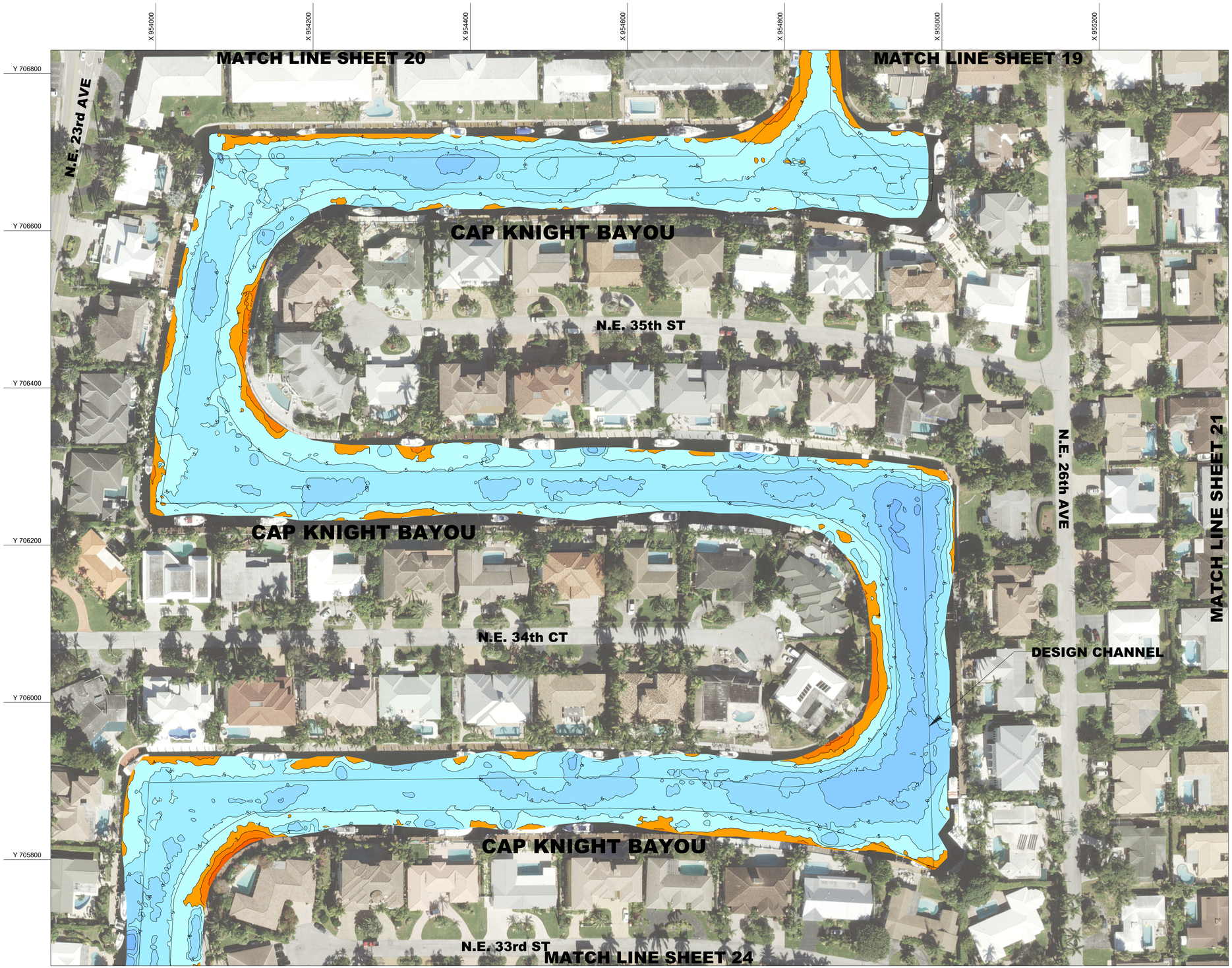
| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 21 |
| CADD ID: | |
| TOTAL NUMBER OF SHEETS: | |




**SHEET LAYOUT**

| | | | | |
|---|---|---|---|---|
| | | | | 2 |
| | 5 | 4 | 3 | |
| | 8 | 7 | 6 | |
| 12 | 11 | 10 | 9 | |
| | 14 | | 13 | |
| | 17 | 16 | 15 | |
| | 20 | 19 | 18 | |
| | | 22 | 21 | |
| 25 | 24 | 23 | | |
| 28 | 27 | 26 | | |
| | 29 | | | |
| | 30 | | | |

**MLW COLOR PALETTE**

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA — JUNE 1953


PREPARED BY:
**SEA DIVERSIFIED, INC.**
Surveying & Engineering Applications
160 CONGRESS PARK DRIVE, SUITE 114
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
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| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 22 |
| CADD ID: | |
| TOTAL NUMBER OF SHEETS: | |




## SHEET LAYOUT

| | | | | |
|---|---|---|---|---|
| | | 2 | | |
| | 5 | 4 | 3 | |
| | 8 | 7 | 6 | |
| 12 | 11 | 10 | 9 | |
| | 14 | | 13 | |
| | 17 | 16 | 15 | |
| | 20 | 19 | 18 | |
| | | 22 | 21 | |
| | 25 | 24 | 23 | |
| | 28 | 27 | 26 | |
| | | 29 | | |
| | | 30 | | |

## MLW COLOR PALETTE

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

REVISIONS:

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
MULTIBEAM HYDROGRAPHIC SURVEY
CITY OF LIGHTHOUSE POINT
BROWARD COUNTY, FLORIDA
JUNE - AUGUST 2022

SHEET TITLE:
PLAN VIEW CHARTS

PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA INC 1959

PREPARED BY:
SEA DIVERSIFIED, INC.
Surveying & Engineering Applications
160 CONGRESS PARK DRIVE, SUITE 114
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
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| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 23 |
| CADD ID: | |
| TOTAL NUMBER OF SHEETS: | |




## SHEET LAYOUT

| | | | | |
|---|---|---|---|---|
| | | 2 | | |
| | 5 | 4 | 3 | |
| | 8 | 7 | 6 | |
| 12 | 11 | 10 | 9 | |
| | 14 | | 13 | |
| | 17 | 16 | 15 | |
| | 20 | 19 | 18 | |
| | | 22 | 21 | |
| 25 | | 24 | 23 | |
| | 28 | 27 | 26 | |
| | | 29 | | |
| | | 30 | | |

## MLW COLOR PALETTE

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA JUNE 1959

PREPARED BY:

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Surveying & Engineering Applications
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DELRAY BEACH, FLORIDA 33445
TEL.: (561) 243-4920
WWW.SEADIVERSIFIED.COM


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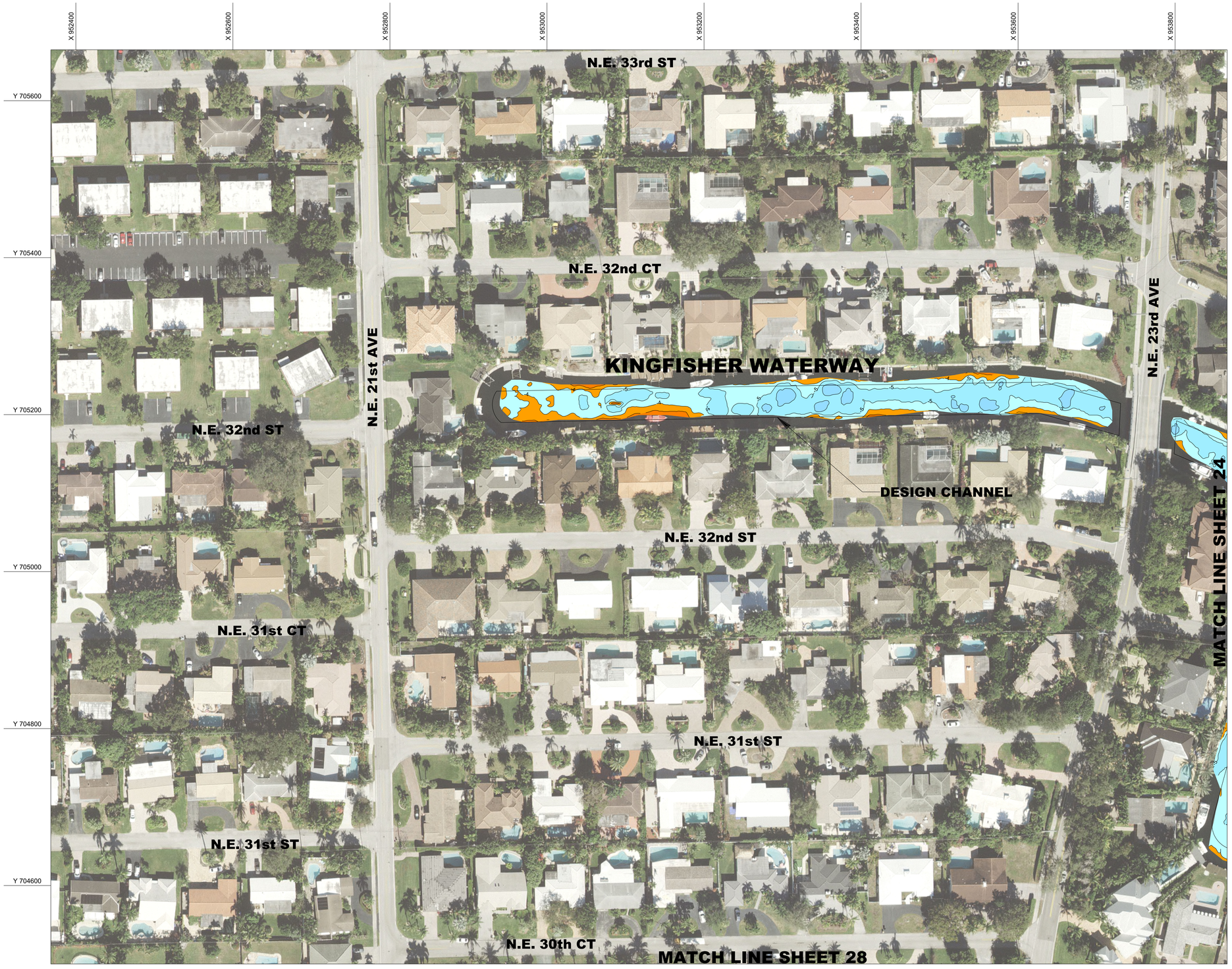
| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 24 |

CADD ID:
TOTAL NUMBER OF SHEETS:




## SHEET LAYOUT

| | | | |
|---|---|---|---|
| | | | 2 |
| | 5 | 4 | 3 |
| | 8 | 7 | 6 |
| 12 | 11 | 10 | 9 |
| | 14 | | 13 |
| | 17 | 16 | 15 |
| | 20 | 19 | 18 |
| | | 22 | 21 |
| | 25 | 24 | 23 |
| | 28 | 27 | 26 |
| | | 29 | |
| | | 30 | |

## MLW COLOR PALETTE

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
- (-)7.0 MLW TO (-)8.0 MLW
- (-)8.0 MLW TO (-)9.0 MLW
- (-)9.0 MLW TO (-)10.0 MLW
- (-)10.0 MLW TO (-)11.0 MLW
- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

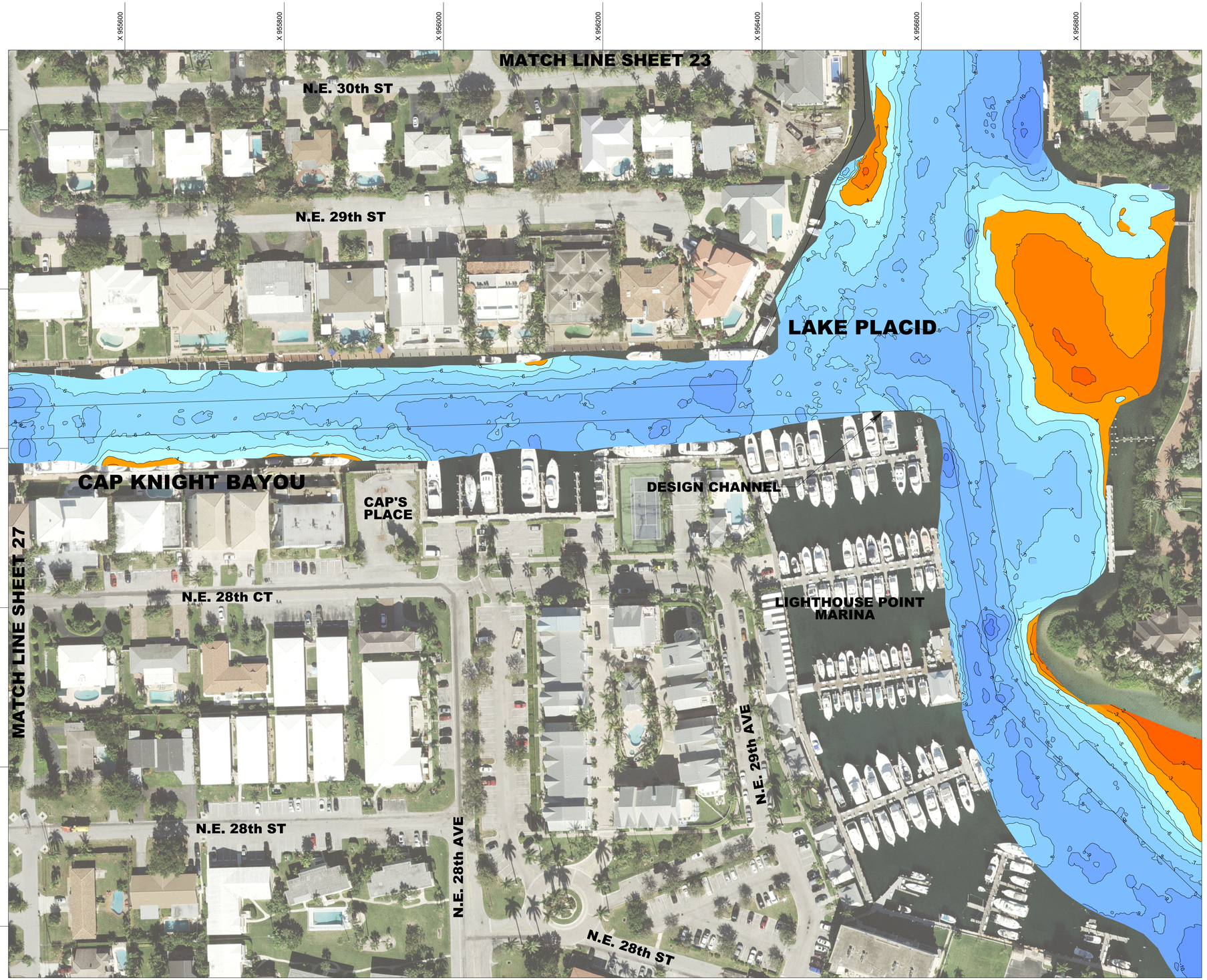
PREPARED FOR:

PREPARED BY:

**SEA DIVERSIFIED, INC.**
Surveying & Engineering Applications
160 CONGRESS PARK DRIVE, SUITE 114
DELRAY BEACH, FLORIDA 33445
TEL: (561) 243-4920
WWW.SEADIVERSIFIED.COM


| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 25 |

CADD ID:
TOTAL NUMBER OF SHEETS:




## SHEET LAYOUT

| | | | | |
|---|---|---|---|---|
| | | | | 2 |
| | | 5 | 4 | 3 |
| | | 8 | 7 | 6 |
| 12 | 11 | 10 | 9 | |
| | 14 | | 13 | |
| | 17 | 16 | 15 | |
| | 20 | 19 | 18 | |
| | | 22 | 21 | |
| | 25 | 24 | 23 | |
| | 28 | 27 | 26 | |
| | | 29 | | |
| | | 30 | | |

## MLW COLOR PALETTE

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
- (-)5.0 MLW TO (-)6.0 MLW
- (-)6.0 MLW TO (-)7.0 MLW
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- (-)9.0 MLW TO (-)10.0 MLW
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- (-)11.0 MLW TO (-)12.0 MLW
- (-)12.0 MLW TO (-)13.0 MLW
- (-)13.0 MLW TO (-)14.0 MLW
- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA — JUNE 1959

PREPARED BY:

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Surveying & Engineering Applications
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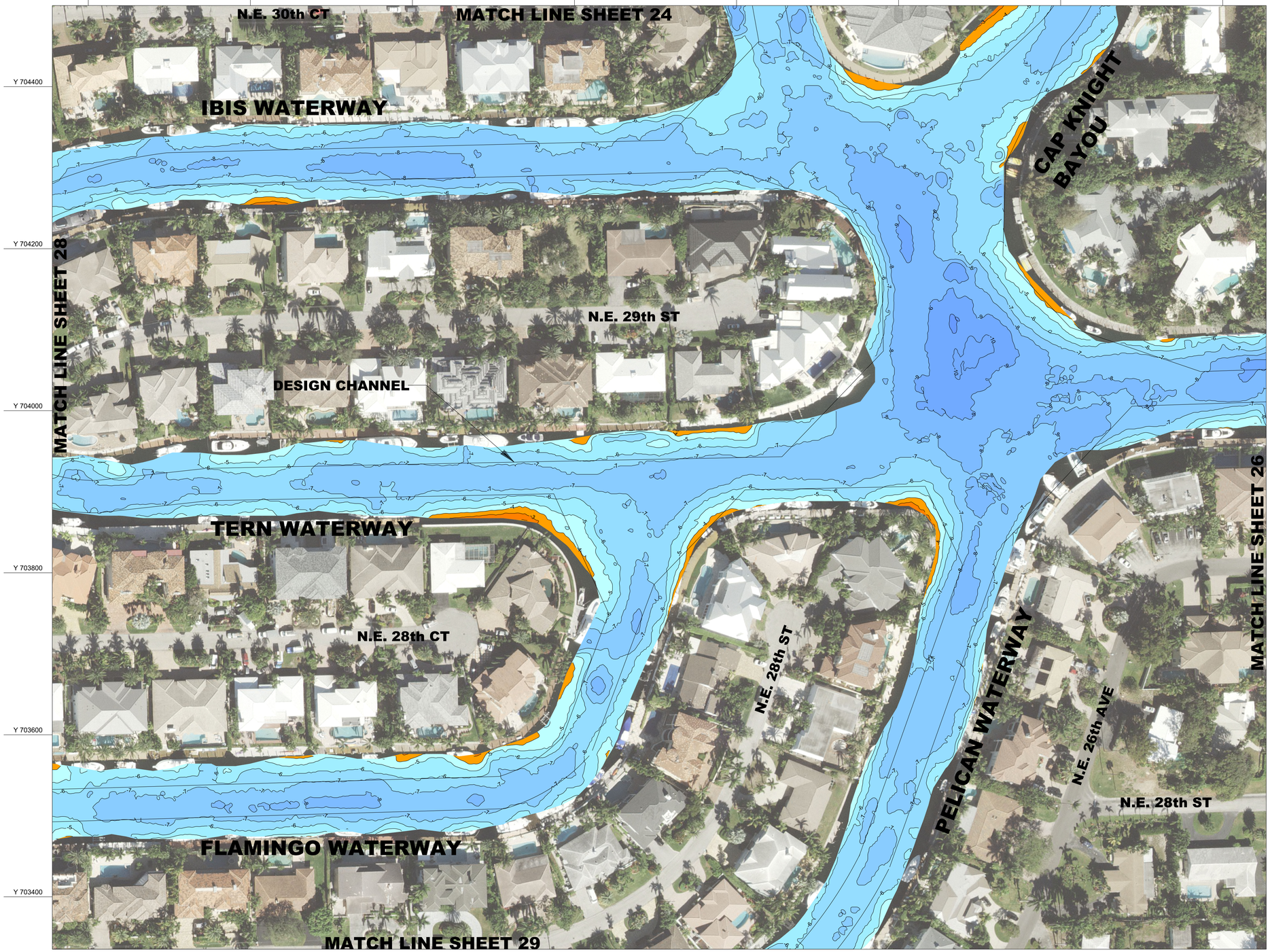
| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 26 |

CADD ID:
TOTAL NUMBER OF SHEETS:




## SHEET LAYOUT

| | | | | |
|---|---|---|---|---|
| | | | | 2 |
| | 5 | 4 | 3 | |
| | 8 | 7 | 6 | |
| 12 | 11 | 10 | 9 | |
| | 14 | | 13 | |
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| 25 | 24 | 23 | | |
| 28 | 27 | 26 | | |
| | 29 | | | |
| | 30 | | | |

## MLW COLOR PALETTE

- 0 MLW TO (-)1.0 MLW
- (-)1.0 MLW TO (-)2.0 MLW
- (-)2.0 MLW TO (-)3.0 MLW
- (-)3.0 MLW TO (-)4.0 MLW
- (-)4.0 MLW TO (-)5.0 MLW
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- (-)14.0 MLW TO (-)15.0 MLW
- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

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| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 27 |

CADD ID:
TOTAL NUMBER OF SHEETS:




## SHEET LAYOUT

| | | | |
|---|---|---|---|
| | | | 2 |
| 5 | 4 | 3 | |
| 8 | 7 | 6 | |
| 12 | 11 | 10 | 9 |
| | 14 | | 13 |
| 17 | 16 | 15 | |
| 20 | 19 | 18 | |
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| | 29 | | |
| | 30 | | |

## MLW COLOR PALETTE

- 0 MLW TO (-)1.0 MLW
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- (-)2.0 MLW TO (-)3.0 MLW
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- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA — JUNE 1959

PREPARED BY:

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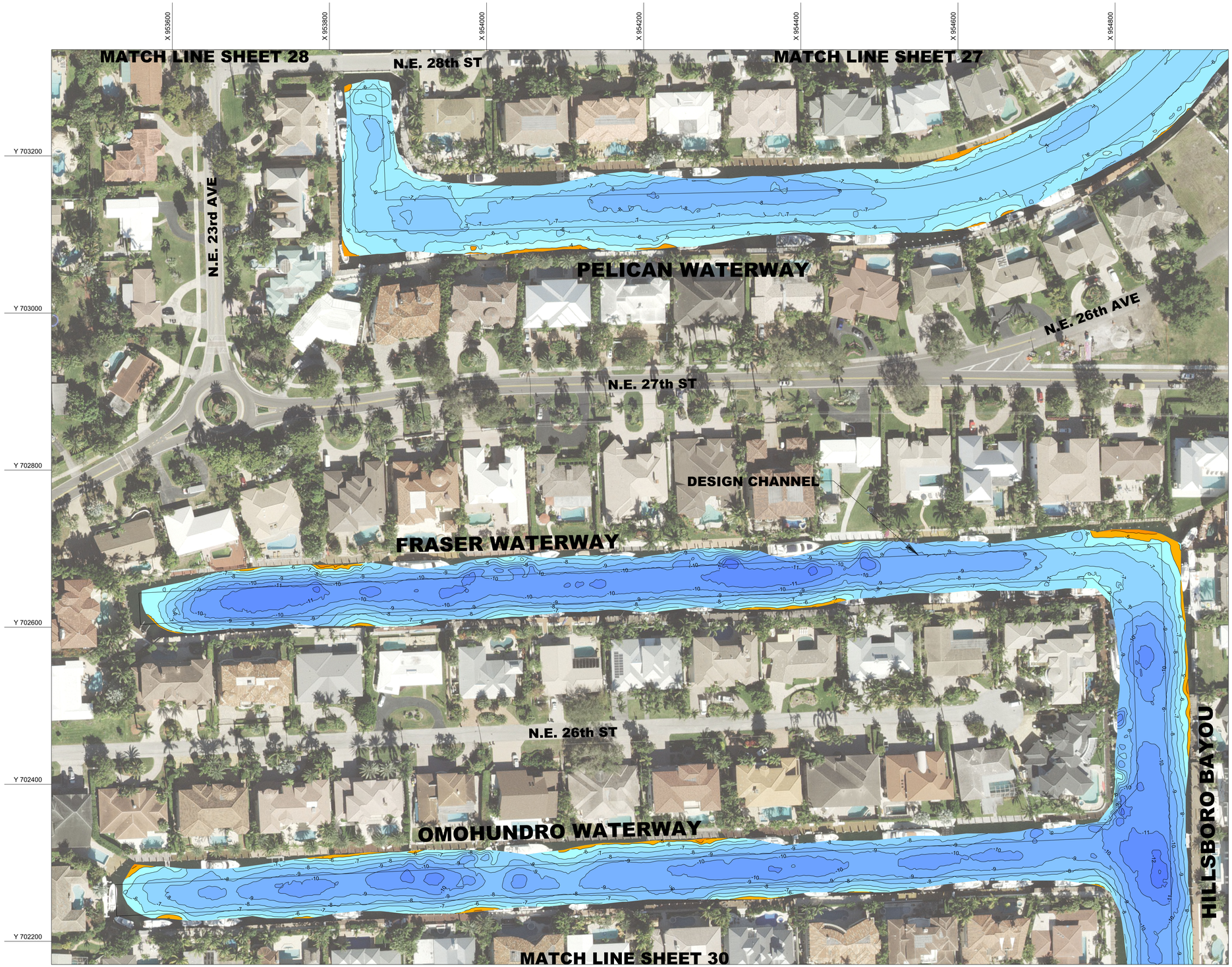
| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 28 |
| CADD ID: | |
| TOTAL NUMBER OF SHEETS: | |




**SHEET LAYOUT**

| | | | | |
|---|---|---|---|---|
| | | | 2 | |
| | 5 | 4 | 3 | |
| | 8 | 7 | 6 | |
| 12 | 11 | 10 | 9 | |
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**MLW COLOR PALETTE**

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- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA JUNE 1956

PREPARED BY:
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Surveying & Engineering Applications
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WWW.SEADIVERSIFIED.COM

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| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 29 |

CADD ID:
TOTAL NUMBER OF SHEETS:




## SHEET LAYOUT

| | | | |
|---|---|---|---|
| | | | 2 |
| | 5 | 4 | 3 |
| | 8 | 7 | 6 |
| 12 | 11 | 10 | 9 |
| | 14 | | 13 |
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| | 30 | | |

## MLW COLOR PALETTE

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- (-)15.0 MLW TO (-)16.0 MLW
- (-)16.0 MLW >

NORTH

60' 0' 60'

SCALE: 1" = 60'

**REVISIONS:**

| NO.: | DATE: | DESCRIPTION: |
|---|---|---|
| | | |

PROJECT:
**MULTIBEAM HYDROGRAPHIC SURVEY**
**CITY OF LIGHTHOUSE POINT**
**BROWARD COUNTY, FLORIDA**
**JUNE - AUGUST 2022**

SHEET TITLE:
**PLAN VIEW CHARTS**

PREPARED FOR:
CITY OF LIGHTHOUSE POINT FLORIDA JUNE 1959

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| | |
|---|---|
| DATE: | AUGUST 2022 |
| DRAWN BY: | B.N.W. |
| CHECKED BY: | R.W.B. |
| SCALE: | AS SHOWN |
| SHEET: | 30 |

CADD ID:
TOTAL NUMBER OF SHEETS: