

CELEBRATION POINTE SOUTH

CITY OF MARGATE, BROWARD COUNTY, FLORIDA

CELEBRATION POINTE SOUTH, LLC

INDEX OF PLANS

SHEET NO.	SHEET DESCRIPTION
GS-1	COVER SHEET
DM-1	DEMOLITION PLAN
PD-1	PAVING AND DRAINAGE PLAN
PD-2	PAVING AND DRAINAGE PLAN
PD-3	PAVING AND DRAINAGE DETAILS
PD-4	PAVING AND DRAINAGE DETAILS
PM-1	SIGNAGE AND PAVEMENT MARKINGS PLAN
PM-2	SIGNAGE AND PAVEMENT MARKINGS PLAN
WS-1	WATER AND SEWER PLAN
WS-2	WATER AND SEWER PLAN
WS-3	SEWER PROFILES
WS-4	SEWER PROFILES
WS-5	WATER AND SEWER DETAILS
WS-6	WATER AND SEWER DETAILS
WS-7	WATER AND SEWER DETAILS
SWPPP-1	STORMWATER POLLUTION PREVENTION PLAN
SWPPP-2	N.P.D.E.S. NOTES
SWPPP-3	EROSION CONTROL DETAILS

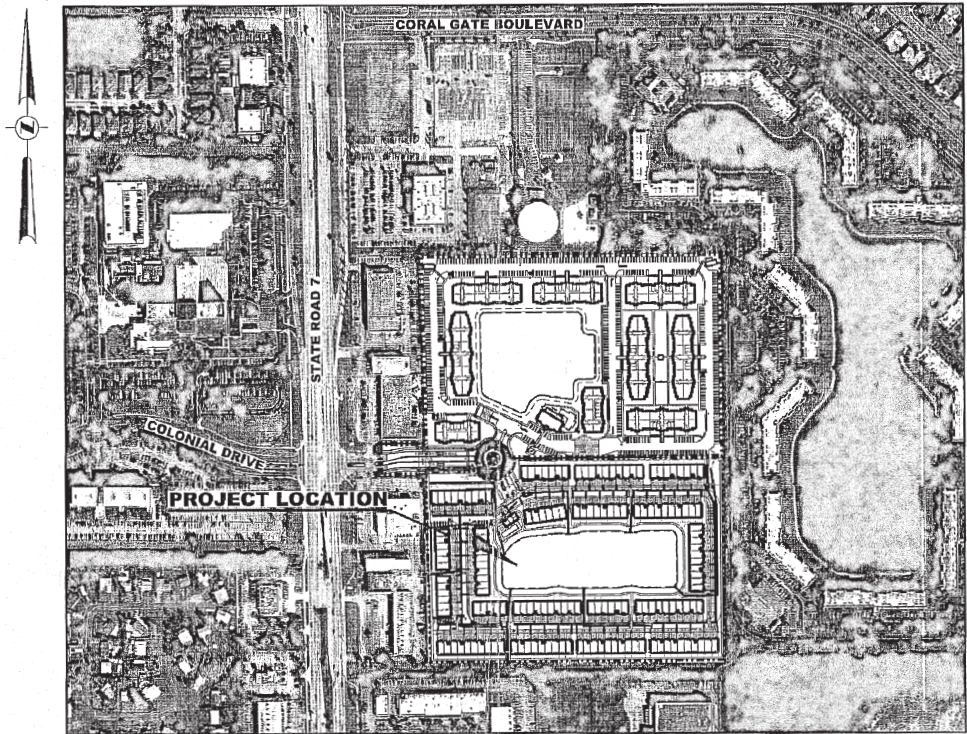
LEGAL DESCRIPTION (SOUTH PORTION):

A PORTION OF TRACT "A", CELEBRATION POINTE, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 178, PAGE 67 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHEAST CORNER OF SAID TRACT "A"; THENCE SOUTH 00°24'15" EAST, ALONG THE EAST LINE OF SAID TRACT "A", A DISTANCE OF 658.13 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 89°32'44" WEST, ALONG A LINE RADIAL TO THE NEXT DESCRIBED CURVE, A DISTANCE OF 676.57 FEET TO A POINT ON THE ARC OF A CIRCULAR CURVE TO THE RIGHT; THENCE WESTERLY ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 66.00 FEET AND A CENTRAL ANGLE OF 138°59'49", A DISTANCE OF 160.11 FEET TO A POINT OF REVERSE CURVATURE OF A CIRCULAR CURVE TO THE LEFT; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 29.00 FEET AND A CENTRAL ANGLE OF 19°51'24", A DISTANCE OF 10.05 FEET; THENCE SOUTH 89°32'44" WEST, A DISTANCE OF 160.89 FEET; THENCE SOUTH 00°27'16" EAST, A DISTANCE OF 13.00 FEET; THENCE ALONG THE BOUNDARY OF SAID TRACT "A" THE FOLLOWING THREE (3) COURSES: SOUTH 01°14'17" EAST A DISTANCE OF 611.59 FEET; THENCE NORTH 89°37'36" EAST A DISTANCE OF 952.09 FEET; THENCE NORTH 00°24'15" WEST, A DISTANCE OF 682.88 FEET TO THE POINT OF BEGINNING.

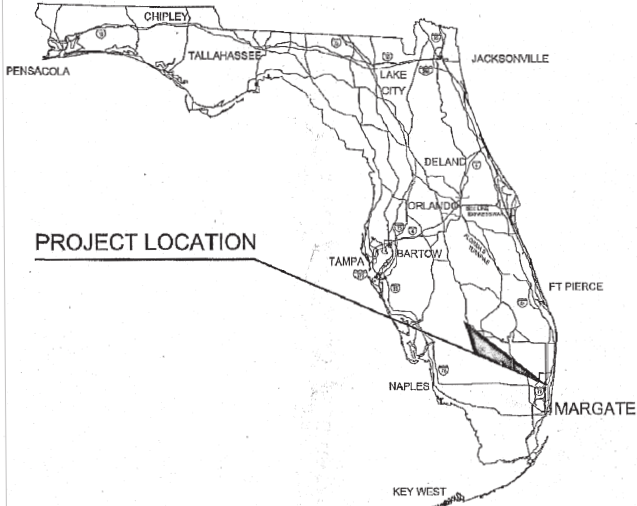
TOGETHER WITH NON-EXCLUSIVE CROSS ACCESS EASEMENT CREATED PURSUANT TO THAT DECLARATION OF COVENANTS AND RESTRICTIONS FOR CELEBRATION POINTE, RECORDED DECEMBER 9, 2013 IN OFFICIAL RECORDS BOOK 50391, PAGE 903, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, OVER AND ACROSS THE LANDS DESCRIBED THEREIN AND FOR THE PURPOSES THEREIN EXPRESSED.

SAID LANDS SITUATE IN THE CITY OF MARGATE, BROWARD COUNTY, FLORIDA.



LOCATION MAP

SCALE: 1" = 300'
SECTION 19 / TOWNSHIP 48 S / RANGE 42 E



LEGEND

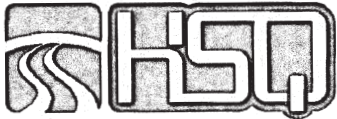
100'-24' R.C.P.	LENGTH - SIZE - MATERIAL
---	PAVEMENT FLOW LINE
---	PAVEMENT RIDGE LINE
0.00%	PAVEMENT SLOPE & DIRECTION
---	FLOW DIRECTION
---	PROPOSED GRADE
---	EXISTING GRADE
F.F. = +12.00	FINISHED FLOOR ELEVATION
---	SEWER / DRAINAGE MANHOLE
---	DRAINAGE INLET
---	CURB INLET
---	YARD DRAIN BASIN
---	DOUBLE SEWER SERVICE
---	SINGLE SEWER SERVICE
---	FIRE HYDRANT
---	TAPPING SLEEVE & VALVE
---	DOUBLE WATER METER
---	SINGLE WATER METER
---	GATE VALVE
---	EXISTING VALVE
---	EXISTING FIRE HYDRANT
---	BACTERIOLOGICAL SAMPLING POINT
R.C.P.	REINFORCED CONCRETE PIPE
H.D.P.E.	HIGH DENSITY POLYETHYLENE PIPE
C.A.P.	CORRUGATED ALUMINUM PIPE
W.M.	WATER MAIN
G.V.	GATE VALVE
F.H.	FIRE HYDRANT
R.E.	RIM ELEVATION
I.E.	INVERT ELEVATION
E.O.P.	EDGE OF PAVEMENT
P.R.B.	POLLUTION RETARDANT BAFFLE
D.W.E.	DESIGN WATER ELEVATION
---	SAWCUT & WIDENING

CONFLICT DESIGN INFORMATION	
15" D = +15.00	SIZE & BOTTOM OF PIPE ELEV.
8" S = +13.50	SIZE & TOP OF PIPE ELEVATION
W = WATER MAIN	
S = SANITARY SEWER MAIN	
D = STORM DRAINAGE LINE	

DRAWING INDEX	
DWG. NO.	DESCRIPTION
CS-1	COVER SHEET
WS-1, WS-2	WATER AS-BUILT PLAN

ENGINEERING PLANS

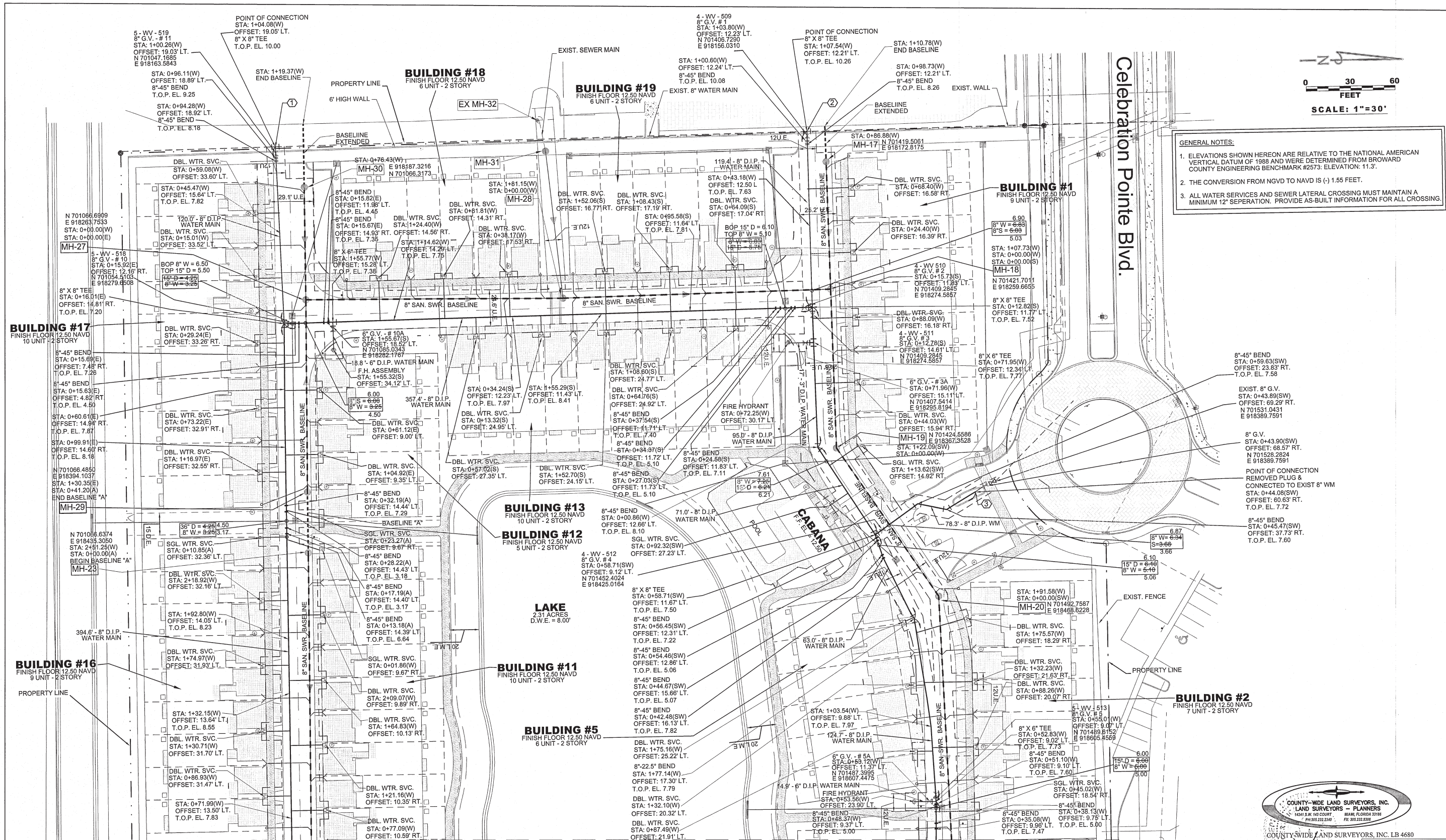
RECORD DRAWING LEGEND	
8"x8" TEE STA. 0+21.46(N) OFFSET: 21.10' RT. T.O.P. EL. 7.75	AS-BUILT INFORMATION
T.S.	TAPPING SLEEVE
G.V.	GATE VALVE
INV.	INVERT
T.O.P. EL.	TOP OF PIPE ELEVATION
①	BACTERIOLOGICAL SAMPLING POINT



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Engineers · Planners · Surveyors
1489 West Palmetto Park Road, Suite 340
Boca Raton, Florida 33486 · 561.392.0221
CA26258 · LB7924

WATER RECORD DRAWING

"RECORD DRAWING"
THE INFORMATION SHOWN ON THIS RECORD DRAWING WAS SUPPLIED BY COUNTY-WIDE LAND SURVEYORS, INC., REGISTERED LAND SURVEYOR # 4680 IN THE STATE OF FLORIDA. THE ENGINEER'S SIGNATURE AND SEAL AFFIXED TO THIS DRAWING IS ONLY TO BE INTERPRETED TO CONFIRM THAT THE INFORMATION PROVIDED HAS BEEN REVIEWED FOR CONFORMANCE WITH THE APPLICABLE ENGINEERING DESIGN STANDARDS.
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JOSEPH L. MARTIN, P.E.
P.L.S. # 4368
DATE: 10/11/19
BY: [Signature]
CERTIFICATION:
I HEREBY CERTIFY THAT THE AS-BUILT MEASUREMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS SURVEYED IN THE FIELD UNDER MY DIRECTION ON DECEMBER 02nd, 2015.
DATE: 10/11/19



- GENERAL NOTES:**
- ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NATIONAL AMERICAN VERTICAL DATUM OF 1988 AND WERE DETERMINED FROM BROWARD COUNTY ENGINEERING BENCHMARK #2573. ELEVATION: 11.3'.
 - THE CONVERSION FROM NGVD TO NAVD IS (-) 1.55 FEET.
 - ALL WATER SERVICES AND SEWER LATERAL CROSSING MUST MAINTAIN A MINIMUM 12" SEPERATION. PROVIDE AS-BUILT INFORMATION FOR ALL CROSSING.

AS-BUILT NOTE:

1. ALL WATER SERVICES ARE 1 1/2" D.I.P.

NO.	DATE	BY	REVISIONS	NO.	DATE	BY	REVISIONS
2	1/17/18	JMH	REVISE METERS TO 5/8"				
1	11/06/17	JMH	ADD NOTES TO MH 31 AND ADD CONFLICT INFO				

MATCHLINE - SEE SHEET WS2

Designed by: JH Date: 07/17
Drawn by: AZ Date: 07/17
Checked by: JH Date: 07/17



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AB REVISION

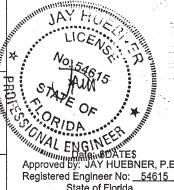
- REVISED TO ADD G.V. COORDINATES - O.G. - 8/29/19
- REVISED TO ADD G.V. INFORMATION - O.G. - 9/17/19
- REVISED TO ADD G.V. INFORMATION - O.G. - 9/25/19

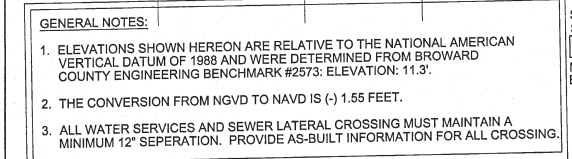
RECORD DRAWING
CELEBRATION POINTE SOUTH
WATER AND SEWER PLAN



BY: JOSEPH L. MARTIN
PROFESSIONAL SURVEYOR
AND MAPPER PSM# 4368
STATE OF FLORIDA

SCALE:
1"=30'
PROJECT NUMBER:
1305-26
SHEET NUMBER:
WS-1
SHEET 2 OF 3





Designed by: JH Date: 07/17
 Drawn by: AZ Date: 07/17
 Checked by: JH Date: 07/17



SCALE:	1"=30'
PROJECT NUMBER:	1305-26
SHEET NUMBER:	WS-2
SHEET 3 OF 3	



Approved by: JAY HUEBNER, P.E.
Registered Engineer No.: 54615
State of Florida

CELEBRATION POINTE SOUTH

CITY OF MARGATE, BROWARD COUNTY, FLORIDA

CELEBRATION POINTE SOUTH, LLC

PROJECT NUMBER
1305-26
SHEET NUMBER
CS-1

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CS-1	COVER SHEET	
WS-1, WS-2	SEWER AS-BUILT PLAN	
WS-3, WS-4	SEWER AS-BUILT PROFILES	
TSL-1	M.H.-31 DETAIL	

LOCATION MAP

SCALE: 1" = 300'

SECTION 19 / TOWNSHIP 48 S / RANGE 42 E

ENGINEERING PLANS

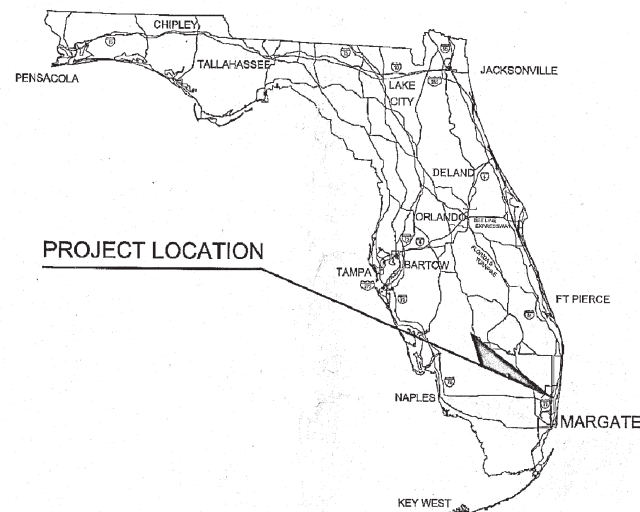
RECORD DRAWING LEGEND	
AS-BUILT INFORMATION	
I.E.	INVERT ELEVATION
R.E.	RIM ELEVATION
L.T.	LEFT
R.T.	RIGHT
CONFLICT	



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LEGEND

100'-24' R.G.P.	LENGTH - SIZE - MATERIAL
---	PAVEMENT FLOW LINE
---	PAVEMENT RIDGE LINE
0.89%	PAVEMENT SLOPE & DIRECTION
15.00	FLOW DIRECTION
15.00	PROPOSED GRADE
F.F. = +12.00	EXISTING GRADE
15.00	FINISHED FLOOR ELEVATION
15.00	SEWER / DRAINAGE MANHOLE
15.00	DRAINAGE INLET
15.00	CURB INLET
15.00	YARD DRAIN BASIN
15.00	DOUBLE SEWER SERVICE
15.00	SINGLE SEWER SERVICE
15.00	FIRE HYDRANT
15.00	TAPPING SLEEVE & VALVE
15.00	DOUBLE WATER METER
15.00	SINGLE WATER METER
15.00	GATE VALVE
15.00	EXISTING VALVE
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15.00	BACTERIOLOGICAL SAMPLING POINT
R.C.P.	REINFORCED CONCRETE PIPE
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E.O.P.	EDGE OF PAVEMENT
P.R.B.	POLLUTION RETARDANT BAFFLE
D.W.E.	DESIGN WATER ELEVATION
SAW	SAWCUT & WIDENING
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15' D = +15.00	SIZE & BOTTOM OF PIPE ELEV.
8' S = +13.50	SIZE & TOP OF PIPE ELEVATION
W	WATER MAIN
S	SANITARY SEWER MAIN
D	STORM DRAINAGE LINE

SEWER RECORD DRAWING

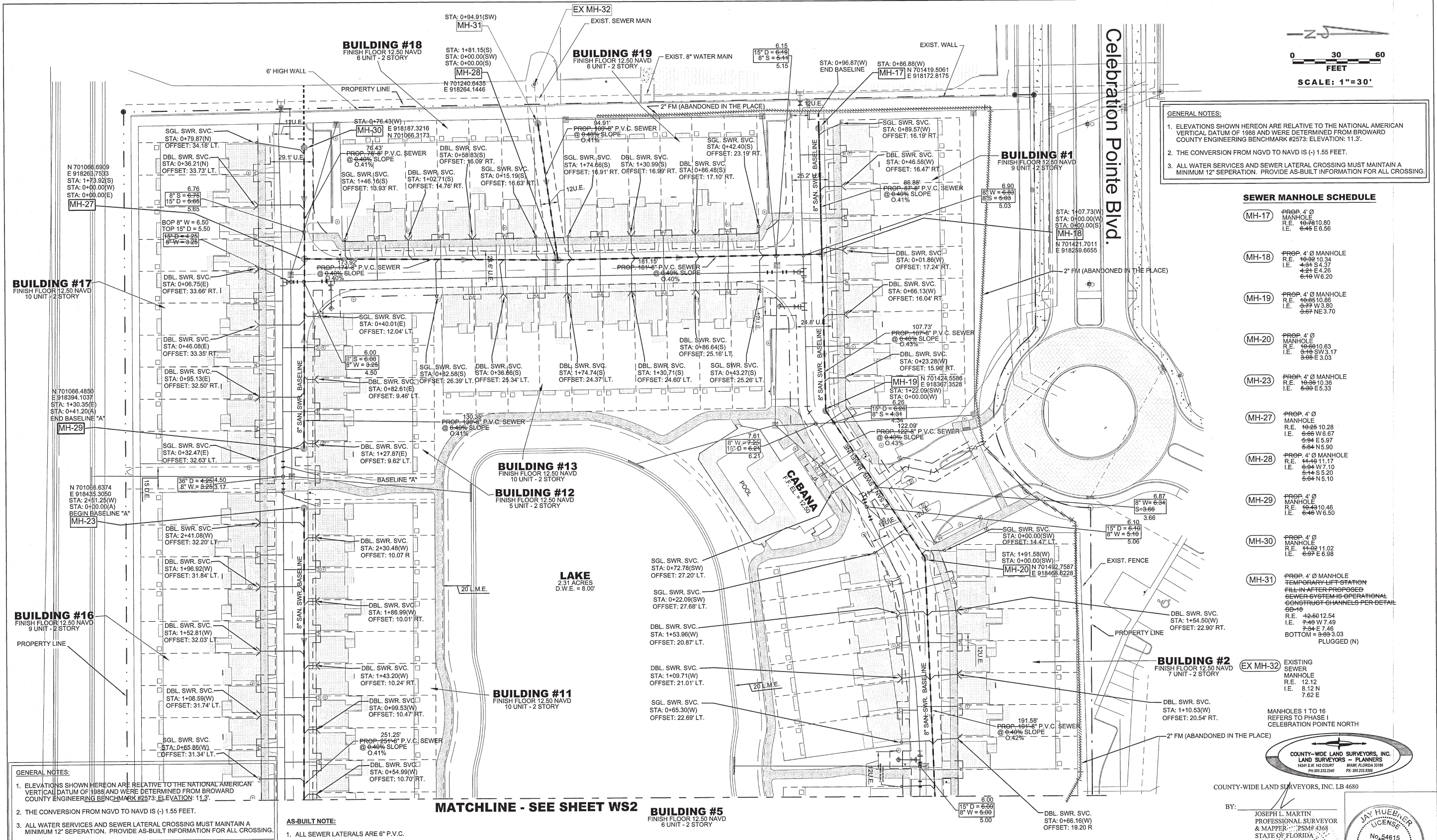
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LAND SURVEYORS OR 4480 IN THE STATE OF FLORIDA.
THE ENGINEER'S SIGNATURE AND SEAL AFFIXED TO THIS
DRAWING IS ONLY TO BE INTERPRETED TO CONFIRM THAT
THE INFORMATION PROVIDED HAS BEEN REVIEWED FOR
CONFORMANCE WITH THE APPLICABLE ENGINEERING DESIGN
STANDARDS.
STATE OF FLORIDA
REGISTERED PROFESSIONAL ENGINEER # 54615
DATE: 10/17/15

CERTIFICATION
I HEREBY CERTIFY THAT THE AS-BUILT MEASUREMENTS
SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF AS SURVEYED IN THE FIELD
UNDER MY DIRECTION ON DECEMBER 02ND, 2015
JOSEPH MARTIN, P.L.S. # 4368

NOTE: BASELINE ARE FROM M.H. TO M.H.
AND START AT EACH M.H.

BY: DATE: 10/16/19 LAST REVISION: 09-14-2018

SHEET NUMBER
CS-1
SHEET 1 OF 6



- GENERAL NOTES:**
- ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NATIONAL AMERICAN VERTICAL DATUM OF 1988 AND WERE DETERMINED FROM BROWARD COUNTY ENGINEERING BENCHMARK #2573. ELEVATION: 11.3'.
 - THE CONVERSION FROM NGVD TO NAVD IS (-) 1.55 FEET.
 - ALL WATER SERVICES AND SEWER LATERAL CROSSING MUST MAINTAIN A MINIMUM 12" SEPERATION. PROVIDE AS-BUILT INFORMATION FOR ALL CROSSING.

SEWER MANHOLE SCHEDULE

MH-17	PROP. 4' Ø MANHOLE R.E. 10.79 10.80 I.E. 6.45 E 6.56
MH-18	PROP. 4' Ø MANHOLE R.E. 10.32 10.34 I.E. 4.94 S 4.37 4.24 E 4.26 6.16 W 6.20
MH-19	PROP. 4' Ø MANHOLE R.E. 10.65 10.86 I.E. 3.77 W 3.80 3.67 NE 3.70
MH-20	PROP. 4' Ø MANHOLE R.E. 10.69 10.63 I.E. 6.46 SW 3.17 3.66 E 3.03
MH-23	PROP. 4' Ø MANHOLE R.E. 10.26 10.36 I.E. 6.99 E 5.33
MH-27	PROP. 4' Ø MANHOLE R.E. 10.25 10.28 I.E. 6.66 W 6.67 5.94 E 5.97 5.94 N 5.90
MH-28	PROP. 4' Ø MANHOLE R.E. 14.49 11.17 I.E. 6.94 W 7.10 5.14 S 5.20 5.94 N 5.10
MH-29	PROP. 4' Ø MANHOLE R.E. 10.49 10.46 I.E. 6.46 W 6.50
MH-30	PROP. 4' Ø MANHOLE R.E. 14.02 11.02 I.E. 6.97 E 6.98
MH-31	PROP. 4' Ø MANHOLE TEMPORARY LIFT STATION FILL IN AFTER PROPOSED SEWER SYSTEM IS OPERATIONAL CONSTRUCT CHANNELS PER DETAIL SP-16 R.E. 42.50 12.54 I.E. 7.40 W 7.49 7.34 E 7.46 BOTTOM = 3.99 3.03 PLUGGED (N)

- GENERAL NOTES:**
- ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NATIONAL AMERICAN VERTICAL DATUM OF 1988 AND WERE DETERMINED FROM BROWARD COUNTY ENGINEERING BENCHMARK #2573. ELEVATION: 11.3'.
 - THE CONVERSION FROM NGVD TO NAVD IS (-) 1.55 FEET.
 - ALL WATER SERVICES AND SEWER LATERAL CROSSING MUST MAINTAIN A MINIMUM 12" SEPERATION. PROVIDE AS-BUILT INFORMATION FOR ALL CROSSING.

AS-BUILT NOTE:

- ALL SEWER LATERALS ARE 6" P.V.C.

NO.	DATE	BY	REVISIONS	NO.	DATE	BY	REVISIONS
2	1/17/18	JMH	REVISE METERS TO 5/8"				
1	11/06/17	JMH	ADD NOTES TO MH 31 AND ADD CONFLICT INFO				

Designed by: JH Date: 07/17

Drawn by: AZ Date: 07/17

Checked by: JH Date: 07/17



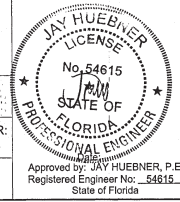
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**RECORD DRAWING
CELEBRATION POINTE SOUTH
WATER AND SEWER PLAN**



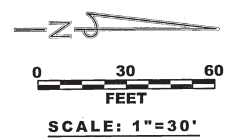
COUNTY-WIDE LAND SURVEYORS, INC. LB 4680

BY: JOSEPH L. MARTIN
PROFESSIONAL SURVEYOR
& MAPPER - F.S.M.# 4368
STATE OF FLORIDA



SCALE:
1"=30'
PROJECT NUMBER:
1305-26
SHEET NUMBER:
WS-1
SHEET 2 OF 6

MATCHLINE - SEE SHEET WS1



SEWER MANHOLE SCHEDULE

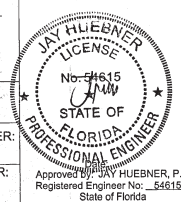
MH-21	PROP. 4' Ø MANHOLE R.E. 10+74.10.70 I.E. 2+34 W 2.27 2+34 E 2.16
MH-22	PROP. 4' Ø MANHOLE R.E. 10+64.10.57 I.E. 0+64 W 0.58 0+66 SE 0.56 0+64 N 0.46
MH-24	PROP. 4' Ø MANHOLE R.E. 10+49.10.46 I.E. 4+39 W 4.30 4+29 E 4.21
MH-25	PROP. 4' Ø MANHOLE R.E. 10+64.10.77 I.E. 2+59 W 2.50 2+59 N 2.40
MH-26	PROP. 4' Ø MANHOLE R.E. 10+24.10.20 I.E. 0+44 S 0.80 0+84 NW 0.75
EX MH-4	EXISTING SEWER MANHOLE TO BE ABANDONED IN PLACE REMOVE CHIMNEY AND COVER WITH CONCRETE SLAB INVERTS TO BE PLUGGED AND PIPES SLURRY FILLED AFTER SEWER SYSTEM IS OPERATIONAL R.E. 10.77 I.E. 2.73 N 4.02 S
EX MH-7	EXISTING SEWER MANHOLE R.E. 10.80 I.E. 1.85 W (DROP) 0.10 E 0.20 S (TO BE PLUGGED AFTER SEWER SYSTEM IS OPERATIONAL)
EX MH-13	EXISTING SEWER MANHOLE R.E. 10.27 I.E. (-) 0.43 W 2.04 N (DROP) (-) 0.53 E
EX MH-15	EXISTING SEWER MANHOLE R.E. 10.27 I.E. (-) 1.70 W 5.03 N (DROP) (-) 1.70 S (-) 1.80 E
EX MH-16	EXISTING SEWER MANHOLE R.E. 10+25.10.20 I.E. (-) 1+50 N 1.50 CORE HOLE PROPOSED I.E. 0+47 S 0.12

MANHOLES 1 TO 16
REFERS TO PHASE I
CELEBRATION POINTE NORTH

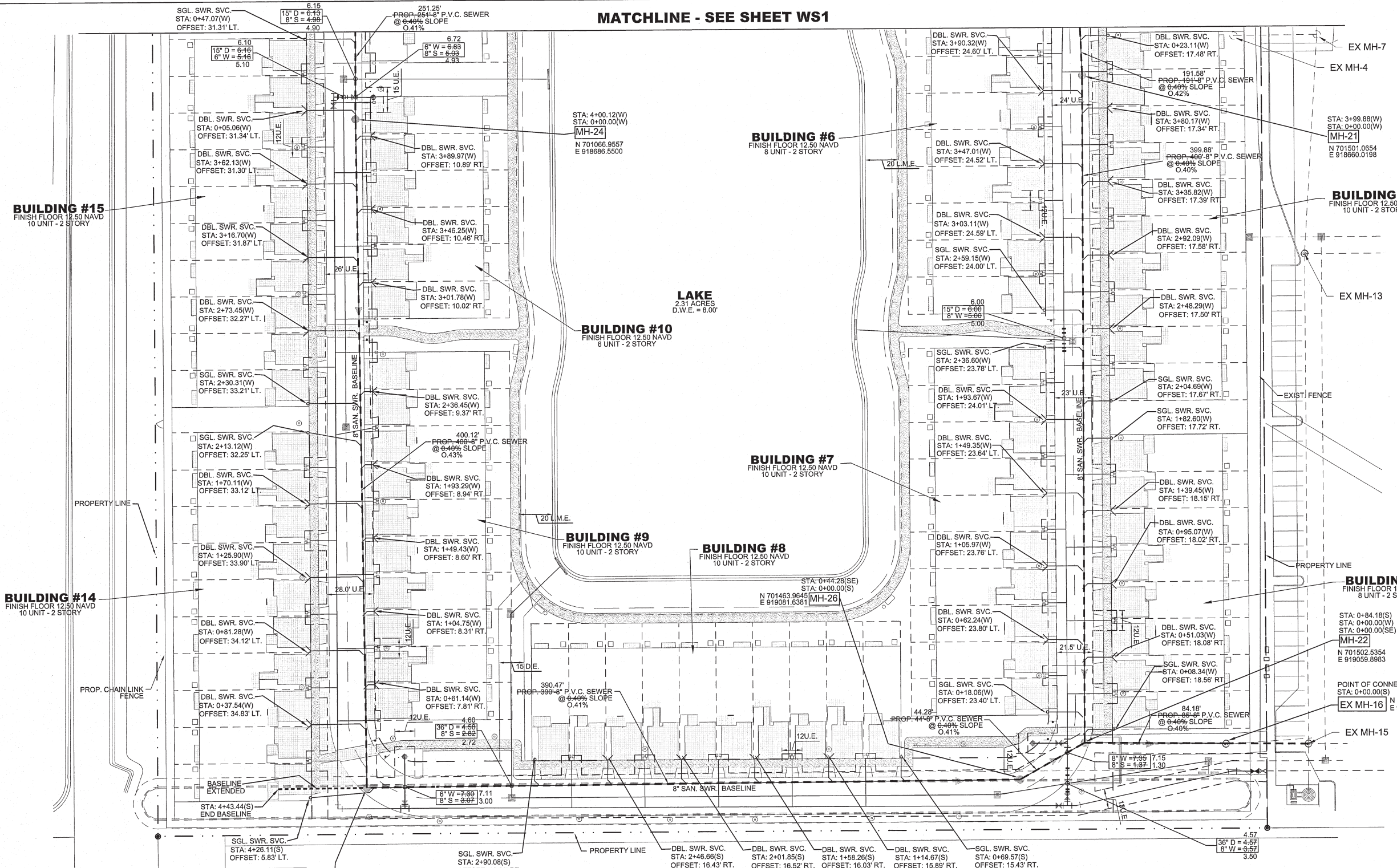


COUNTY-WIDE LAND SURVEYORS, INC. LB 4680

BY: JOSEPH L. MARTIN
PROFESSIONAL SURVEYOR
& MAPPER PSM# 4368
STATE OF FLORIDA



SCALE: 1"=30'
PROJECT NUMBER: 1305-26
SHEET NUMBER: WS-2
SHEET 3 OF 6



GENERAL NOTES:

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STA: 3+90.47(S)
STA: 0+00.00(W)
MH-25
N 701073.4746
E 919086.6581

AS-BUILT NOTE:

- ALL SEWER LATERALS ARE 6" P.V.C.

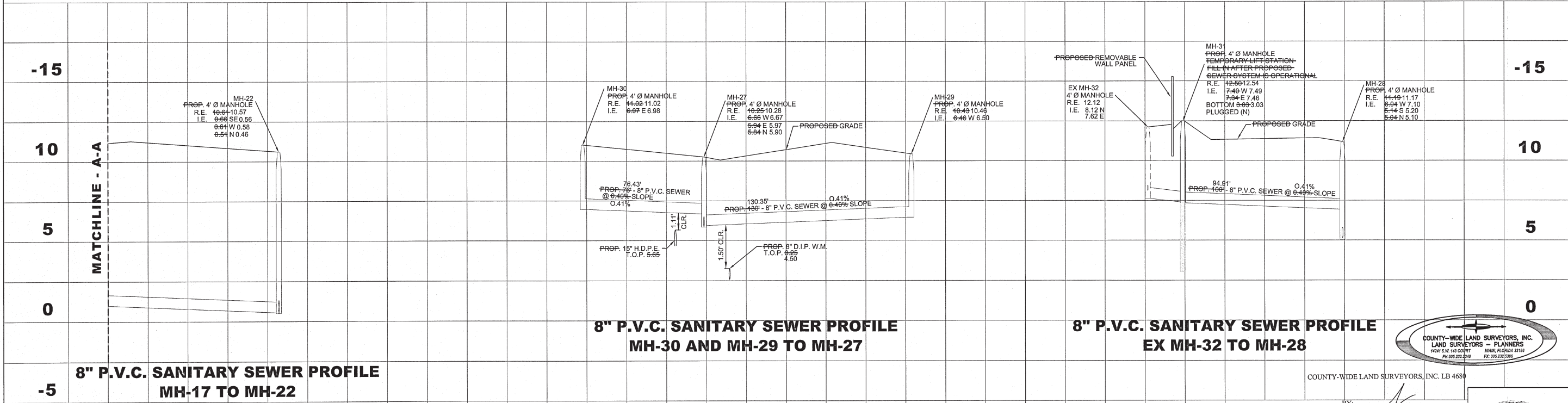
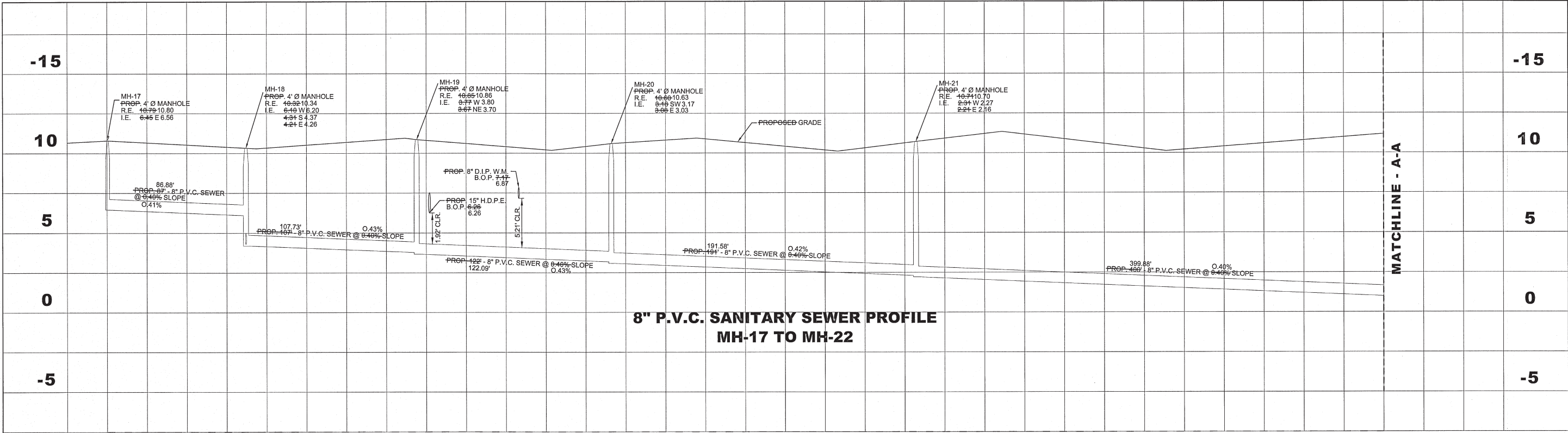
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Designed by: JH Date: 07/17
Drawn by: AZ Date: 07/17
Checked by: JH Date: 07/17



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RECORD DRAWING
CELEBRATION POINTE SOUTH
WATER AND SEWER PLAN



HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 3'

RECORD DRAWING

NO.	DATE	BY	REVISIONS	NO.	DATE	BY	REVISIONS
2	08/05/15	JMH	REVISE PER STAFF COMMENTS				
1	6/29/15	JMH	REVISE SECTION B-B AND C-C				

Designed by: JH Date: 07/17
Drawn by: AZ Date: 07/17
Checked by: JH Date: 07/17



HSQ GROUP, INC.
Engineers · Planners · Surveyors
1489 West Palmetto Park Road, Suite 340
Boca Raton, Florida 33486 · 561.392.0221
C26258 · LB7924

**CELEBRATION POINTE SOUTH
SEWER PROFILES**

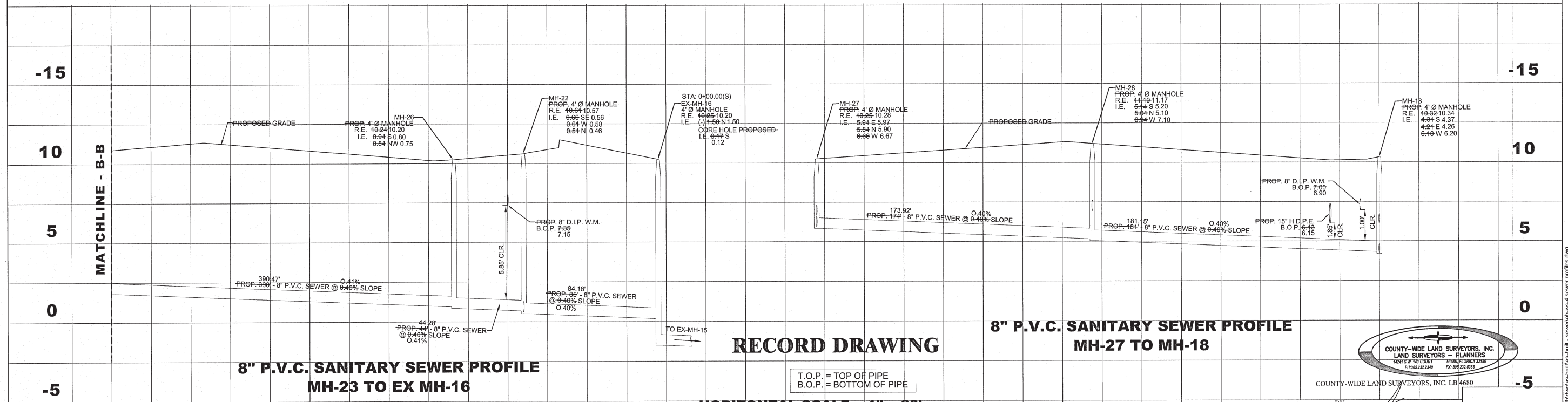
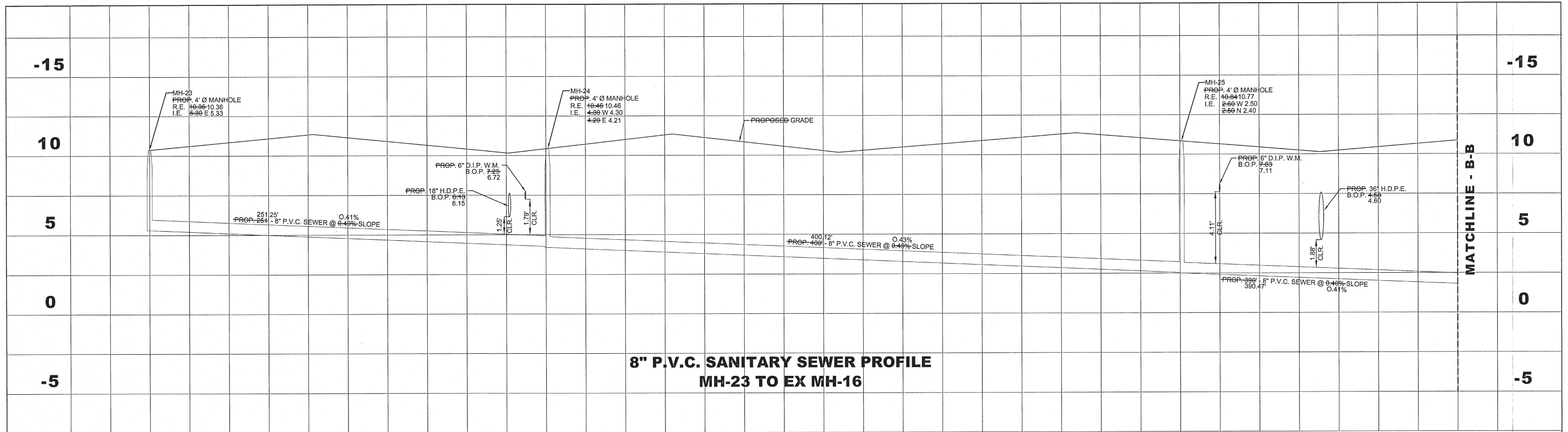
COUNTY-WIDE LAND SURVEYORS, INC. LB 4680

BY: JOSEPH L. MARTIN
PROFESSIONAL SURVEYOR
& MAPPER, PS# 4368
STATE OF FLORIDA

SCALE: AS NOTED
PROJECT NUMBER: 130526
SHEET NUMBER: WS-3
SHEET 4 OF 6

COUNTY-WIDE LAND SURVEYORS, INC.
LAND SURVEYORS - PLANNERS
1489 WEST PALMETTO PARK ROAD
BOCA RATON, FLORIDA 33486
PH: 561.392.0221 FAX: 561.392.0228

JAY HUEBNER
LICENSE
No. 54615
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Approved by: JAY HUEBNER, P.E.
Registered Engineer No. 54615
State of Florida



NO.	DATE	BY	REVISIONS	NO.	DATE	BY	REVISIONS
2	08/05/15	JMH	REVISE PER STAFF COMMENTS				
1	6/29/15	JMH	REVISE SECTION B-B AND C-C				

Designed by: JH Date: 07/17
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 Boca Raton, Florida 33486 · 561.392.0221
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CELEBRATION POINTE SOUTH
SEWER PROFILES

BY: JOSEPH L. MARTIN
 PROFESSIONAL SURVEYOR
 & MAPPER PSM# 4368
 STATE OF FLORIDA

SCALE: AS NOTED
 PROJECT NUMBER: 1305-26
 SHEET NUMBER: WS-4
 SHEETS OF 6

COUNTY-WIDE LAND SURVEYORS, INC. LB 4680
 COUNTY-WIDE LAND SURVEYORS, INC. LAND SURVEYORS - PLANNERS
 14891 S.W. 143 COURT BOCA RATON, FLORIDA 33433
 PH: 561.392.0221 FAX: 561.392.0222

STATE OF FLORIDA
 JAY HUEBNER
 LICENSED PROFESSIONAL ENGINEER
 No. 54615
 State of Florida

PRECAST CONCRETE SECTIONS

PRECAST CONCRETE SECTIONS SHALL CONFORM TO THE ASTM SPECIFICATIONS FOR PRECAST REINFORCED CONCRETE MANHOLE RISERS AND TOPS, DESIGNATION #C-478 LATEST REVISION; WITH THE FOLLOWING EXCEPTIONS AND ADDITIONAL REQUIREMENTS:

TYPE II CEMENT SHALL BE USED.

SECTIONS SHALL BE STEAM CURED AND SHALL NOT BE SHIPPED UNTIL AT LEAST FIVE (5) DAYS AFTER CASTING.

ACCEPTANCE OF THE SECTIONS WILL BE ON THE BASIS OF MATERIAL TESTS, FINISHED QUALITY, AND INSPECTIONS OF THE COMPLETED PRODUCT.

JOINT MATERIAL IN RISER SECTIONS SHALL BE OF THE BITUMASTIC TYPE AS MANUFACTURED BY RAM-NEK OR EQUAL.

NO MORE THAN TWO LIFT HOLES MAY BE CAST OR DRILLED IN EACH SECTION.

LIFT STATION DESIGN DATA		
PUMPING STATION NUMBER	1	TEMP
INFLUENT FLOW RATE (PEAK - G.P.M.)	11	
PUMP CYCLE TIME (MIN.)	15	
PUMP MODEL: MYERS PUMP	VIG20-03-35	
IMPELLER	3.25 IN.	
MOTOR (H.P.)	2	
MAXIMUM (R.P.M.)	3450	
A GRADE	12.83	12.83 FT. NAVD
B INFLUENT INVERT	12.83	(+17.46 FT. NAVD
C HIGH WATER ALARM	12.83	(+17.46 FT. NAVD
D LAG PUMP "ON"	12.83	(+17.46 FT. NAVD
E LEAD PUMP "ON"	12.83	(+17.46 FT. NAVD
F BOTH PUMPS "OFF"	12.83	(+17.46 FT. NAVD
G WET WELL FLOOR	12.83	(+17.46 FT. NAVD
H WET WELL DEPTH	12.83	(+17.46 FT. NAVD
I WET WELL DIAMETER	12.83	(+17.46 FT. NAVD
J DISCHARGE DIAMETER	12.83	(+17.46 FT. NAVD
L FORCE MAIN DIAMETER	12.83	(+17.46 FT. NAVD
M FORCE MAIN COVER DEPTH	12.83	(+17.46 FT. NAVD
N DISCHARGE PIPE O.D.	12.83	(+17.46 FT. NAVD
P OPERATING RANGE	12.83	(+17.46 FT. NAVD
Q BASE SLAB THICKNESS	12.83	(+17.46 FT. NAVD
R ELECTRICAL SERVICE	12.83	(+17.46 FT. NAVD
S INFLUENT (DIA.)	12.83	(+17.46 FT. NAVD

NOTE: LIFT STATION TO BE PRIVATELY OWNED AND MAINTAINED BY THE PROPERTY OWNER

SCOPE:

THE CONTRACTOR SHALL FURNISH AND INSTALL TWO (2) BARNES MODEL SGVF2062L OR APPROVED EQUAL SUBMERSIBLE GRINDER PUMPS INCLUDING ALL MATERIAL, LABOR, EQUIPMENT, INCIDENTALS, AND ANCILLARY COMPONENTS TO MAKE A COMPLETE SYSTEM AS DETAILED IN THIS PLAN AND THE WRITTEN SPECIFICATION.

OPERATING CONDITIONS:

EACH PUMP SHALL BE CAPABLE OF DELIVERING 29 GPM AGAINST 26 FT. TDH.

MOTOR:

PUMP MOTOR SHALL BE RATED 2 HP AT 3450 RPM, 60HZ. MOTOR SHALL BE FOR 208 VOLT, 3 PHASE SERVICE AND WILL BE PROVIDED WITH 16 FT. OF POWER AND CONTROL CABLE.

RAIL SYSTEM:

EACH LIFT STATION SHALL BE PROVIDED WITH STAINLESS STEEL LIFT-OUT SLIDE RAIL SYSTEM FOR EASY REMOVAL/INSTALLATION OF PUMPS WITHOUT ENTRY INTO WET WELL. RAIL ASSEMBLY SHALL INCORPORATE ANTI-SIPHON MECHANISM.

NOTES:

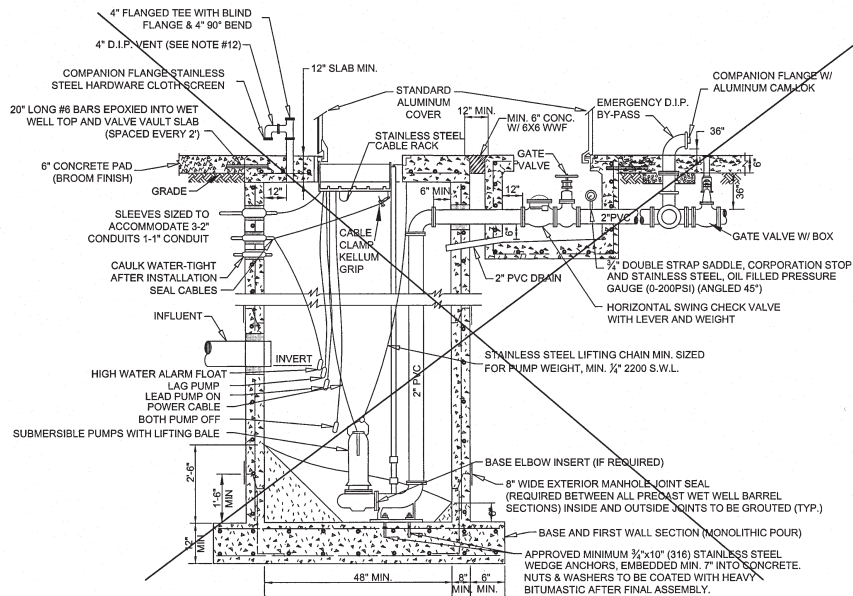
CONTRACTOR TO CONFIRM AVAILABLE ELECTRICAL SERVICE PRIOR TO BIDDING OR ORDERING LIFT STATION EQUIPMENT.

ALL FORCE MAIN PIPING TO BE SCH 80 PVC SOLVENT WELD.

ALL FITTINGS AND APPURTANCES SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND DETAILS.

CONTRACTOR TO ENSURE THAT VENT AND HATCH DO NOT CONFLICT WHEN HATCH IS OPEN.

OWNER TO PROVIDE (UPON COMPLETION & START-UP) COPY OF CONTRACT WITH SEPTIC TANK COMPANY FOR PUMP-OUT IN CASE OF FAILURE.



NOTES:

1. RAMNEK & NON-SHRINKING GROUT IN ACCORDANCE WITH STANDARD MANHOLE SPECIFICATIONS.
2. WET WELL AND VALVE VAULT TO RECEIVED, INSIDE AND OUTSIDE, 2 COATS OF KOPPERS BITUMASTIC 300M, 8-10 MILS EACH COAT, OR APPROVED EQUAL.
3. ALL STEEL IN WET WELL SHALL BE STAINLESS STEEL, INCLUDING GUIDE BARS.
4. TYPE II REINFORCED CONCRETE (#4 BARS THROUGHOUT), 4000 P.S.I. CALCEAREOUS AGGREGATE REQUIRED (MIN. CaCO3 CONTENT: 65% IN LARGE AGGREGATE, 50% IN CONCRETE SCREENING).
5. SEE PLAN FOR CORRECT ORIENTATION OF PIPES, VENT, AND OTHER FIXTURES.
6. ALL HARDWARE INSIDE AND OUTSIDE OF WET WELL AND VALVE PIT SHALL BE STAINLESS STEEL (TYPE 304).
7. A. INSTALL *THICK STAINLESS STEEL PLATE THAT EXTENDS MIN. 3" AROUND PERIMETER OF BASE ELBOW. B. BASE ELBOW ANCHORS SHALL BE MIN. *1/2" (316) STAINLESS STEEL, DOUBLE NUTTED, MIN. 2" THREAD LENGTH, TORQUED TO 150 FOOT POUNDS.
8. THREADED AREAS OF CORPORATION STOP SHALL BE SPIRAL WRAPPED WITH TWO WRAPS OF TEFLON TAPE.
9. OUTSIDE OF WETWELL AND VALVE BOX SHALL BE COATED WITH COAL TAR EPOXY. INSIDE OF WETWELL AND VALVE BOX SHALL BE COATED WITH MAINSTAY COATING. PAINT PUMP NUMBERS (1,2) ON UNDERSIDE OF WET WELL AND VALVE VAULT ALUMINUM COVERS (COLOR-RED, HEIGHT=12" MIN.)
10. A DROP PIPE MAY BE REQUIRED FOR HIGH FLOW LIFT STATIONS.
11. VENT PIPE SHALL BE POSITIONED TO ALLOW FOR UNOBSTRUCTED VIEW FROM THE VENT PIPE SLAB PENETRATION TO WATER LEVEL.
12. VENT PIPE SHALL NOT BE LOCATED ABOVE INFLOW INVERT OR ANY MECHANICAL EQUIPMENT.

NO.	DATE	BY	REVISION
1	1/2/18	JMH	ADD RTU TO CONTROL PANEL AND FPL METER

Designed by: J.H. Date: 1/14
Drawn by: R.W. Date: 1/14
Checked by: N.S. Date: 1/14

Approved by: JAY HUEBNER

Registered Engineer Number
State of Florida



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RECORD DRAWING

CELEBRATION POINTE SOUTH
TEMPORARY LIFT STATION
M.H. - 31 DETAIL

PROJECT NUMBER
1305-26
SHEET NUMBER
TLS-1
6 OF 6

NOTE:
NOW THAT THE SEWER SYSTEM IS OPERATIONAL THE TEMP LIFT STATION WAS CONVERTED TO A STANDARD M.H. AND THE BOTTOM OF THE M.H. WAS FILLED WITH ROCK WITH 4" OF CONCRETE ON TOP.

TEMPORARY LIFT STATION NOTES

1. LIFT STATION MUST BE OPERATIONAL PRIOR TO REMOVAL OF EXISTING GRAVITY SEWER TO EXISTING LIFT STATION.
2. CONTRACTOR TO PROVIDE EMERGENCY BACK UP GENERATOR AND PUMP-OUT CONTRACTOR SERVICE CONTRACT IN CASE OF EMERGENCY.
3. LIFT STATION TO BE CONVERTED TO MANHOLE WITH CONCRETE CHANNEL AT 7.34 INVERT AFTER SEWER SYSTEM IS PLACED INTO SERVICE.
4. REMOVE INTERNAL MOTORS, RAILS AND PARTS AFTER SEWER SYSTEM IS PLACED INTO SERVICE. REMOVE VALVE PIT.
5. PROPOSED 2" FORCE MAIN TO BE INSTALLED AT ELEVATION 7.00 AFTER VALVE PIT TO AVOID OTHER UTILITIES. ABANDON IN PLACE AFTER SEWER SYSTEM IS PLACED INTO SERVICE.
6. BOTTOM OF MANHOLE TO BE FILLED WITH CONCRETE (2500 PSI) AND CONSTRUCT CHANNEL. REMOVE PIPE IN MANHOLE AFTER CONCRETE HAS CURED.

SEWER PIPE THROUGH TEMP. LIFT STATION DETAIL

GENERAL NOTES:

1. ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NATIONAL AMERICAN VERTICAL DATUM OF 1988 AND WERE DETERMINED FROM BROWARD COUNTY ENGINEERING BENCHMARK #2573: ELEVATION: 11.3'.
2. THE CONVERSION FROM NGVD TO NAVD IS (-) 1.55 FEET.

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