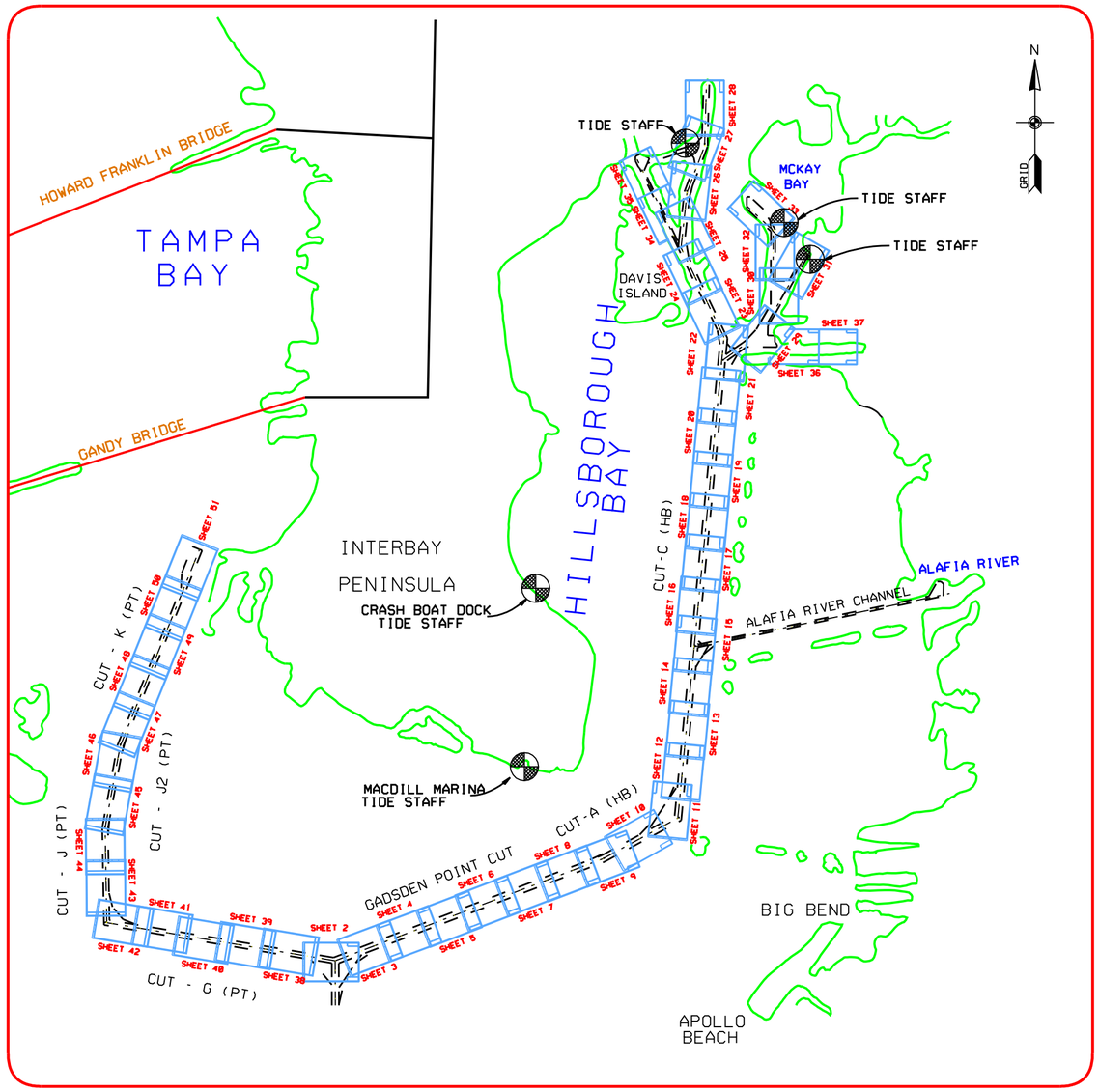
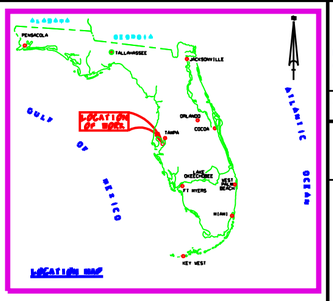



# TAMPA HARBOR, FLORIDA
# PORT SUTTON & EAST BAY
# PROJECT CONDITION SURVEY

SURVEY NOTES:

1. REFER TO SURVEY NO. 07-076.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW) WHICH IS 0.99 FEET BELOW NGVD 1929.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (-) SIGN.
4. TIDAL REDUCTIONS WERE MADE FROM A SINGLE TIDE STAFF SET ON A WOODEN PILING SET IN REFERENCE TO A FIRST ORDER COAST AND GEODETIC BRONZE SURVEY DISC STAMPED "0261" AND DATED 1966.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
6. ALL AZIMUTHS ARE GRID, RECKONED CLOCKWISE FROM SOUTH.
7. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
8. SURVEY WAS PERFORMED USING DIFFERENTIAL GPS FOR POSITIONING AND UTILIZING THE USCG NAVBEACON SYSTEM AS THE REFERENCE SITE. VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMART SOUNDER DEPTH RECORDER WITH A 28KHZ (LOW FREQUENCY) TRANSDUCER FOR THE EAST BAY CHANNELS AND 200KHZ (HIGH FREQUENCY) FOR THE PORT SUTTON CHANNELS.

| VESSEL | DATE OF SURVEY | CUT |
|---|---|---|
| WB-34 | 22-23 MAY 2007 | EAST BAY, EAST BAY EXT-1, EAST BAY EXT-2, PORT SUTTON CHANNEL, PORT SUTTON T.B., PORT SUTTON TERMINAL CHANNEL |

9. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
10. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF SURVEY AND IS NOT TO BE USED FOR NAVIGATION.
11. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 1 JAN 02.

TIDE STAFF AND BENCHMARK TABULATION

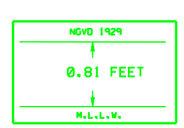
| STAFF LOCATION | BENCH MARK | ELEV NGVD |
|---|---|---|
| DOCK PILING NEAR | Q-261 | 6.004 |
| ST. PETERSBURG HARBOR | NOAA PORTS | 3.39 |
| OLD PORT TAMPA | NOAA PORTS | |
| | | |

LEGEND

| | |
|---|---|
| *BM | BENCHMARK |
| | LIGHTED BEACON |
| | GREEN DAYBEACON |
| | RED DAYBEACON |
| | RED LIGHTED BUOY |
| | GREEN LIGHTED BUOY |
| | CAN BUOY |
| | NUN BUOY |
| | TIDE STAFF |

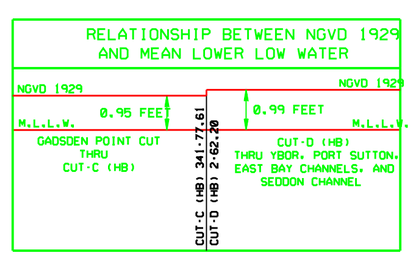
PROJECT DEPTHS

| CHANNEL CUT | DEPTH |
|---|---|
| GADSDEN PT. CH. CUT | 43 |
| CUT-A (HB) CH. | 43 |
| CUT-C (HB) CH. | 43 |
| CUT-D (HB) CH. | 34 |
| SEDDON CH. CUT | 12 |
| LOWER SPARKMAN CH. CUT | 34 |
| UPPER SPARKMAN CH. CUT | 34 |
| GARRISON CH. CUT | 34 |
| YBOR CH. CUT | 34 |
| PORT SUTTON CH. CUT | 43 |
| PORT SUTTON TURNING BASIN | 43 |
| PORT SUTTON TERMINAL CH. | 34 |
| EAST BAY CH. CUT | 43 |
| EAST BAY EXT-1 CH. CUT | 34 |
| EAST BAY EXT-2 CH. CUT | 34 |




RELATIONSHIP BETWEEN NGVD 1929 AND 1978 NOAA MEAN LOWER LOW WATER TIDAL DATUM (CUTS G THRU K)

RELATIONSHIP BETWEEN NGVD 1929 AND MEAN LOWER LOW WATER

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Plot scale XXX

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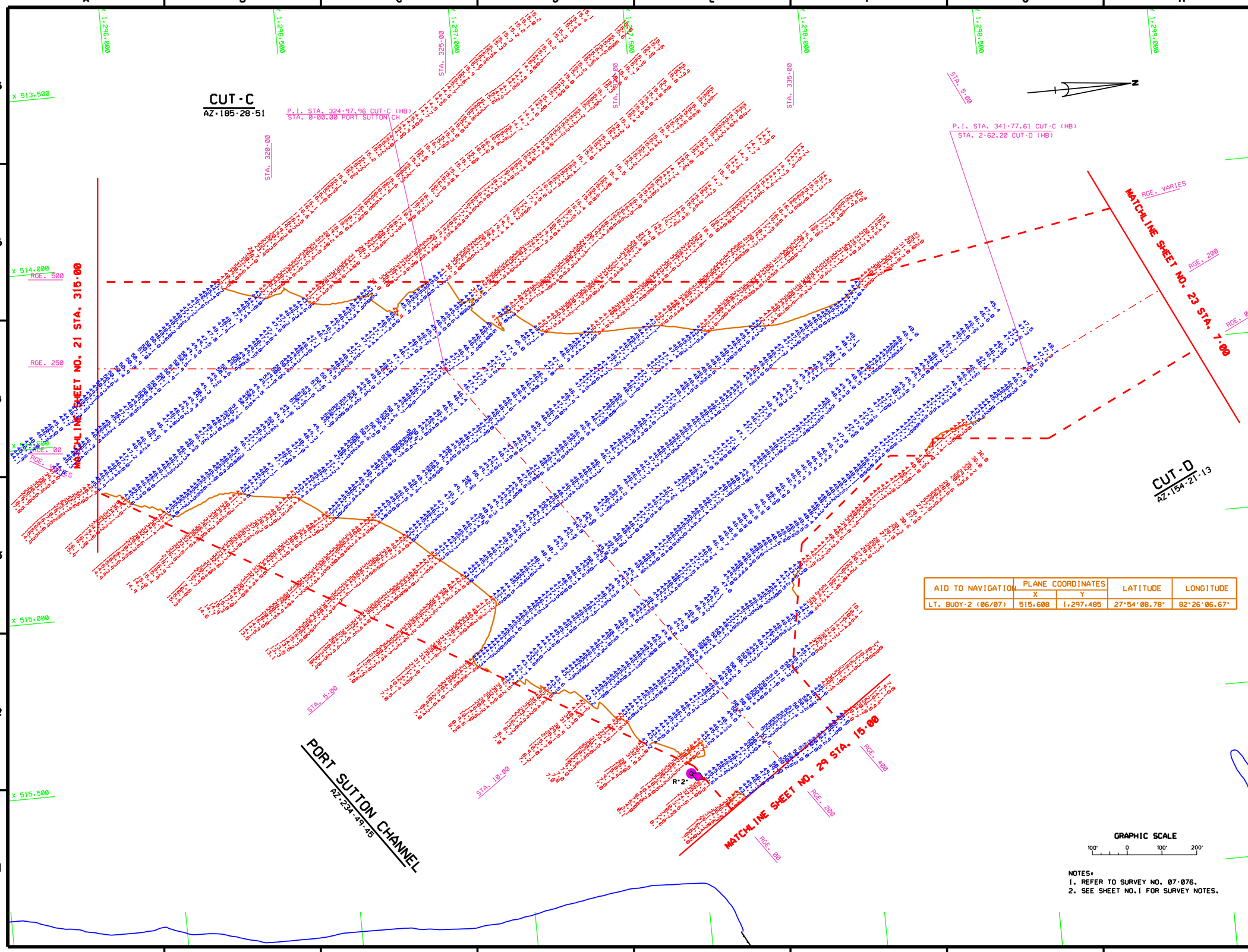
Cad by WRN
Dwn by WRN
Date JUN 2007
D.O.FILE NO.

File name 07-076SHOLDCH
Reference files BSORGB.DCH HEWFLMAP.DCH INDX_W.DCH

TAMPA HARBOR, FLORIDA
PROJECT CONDITION SURVEY
34 & 43-FOOT PROJECT
UPPER HILLSBOROUGH BAY
COVER

DRAWING NO.
1/9

SHEET 1 OF 40




| AID TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| | X | Y | | |
| LT. BUOY-2 (06/07) | 515.608 | 1,297.485 | 27°54'08.78" | 82°26'06.67" |

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 07-076.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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Plot date: XX XX XXXX
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Designed by: CMW
Dwn by: CMW
Ckd by: CMW
Date: JUN 2007
D.O.F.FILE NO.

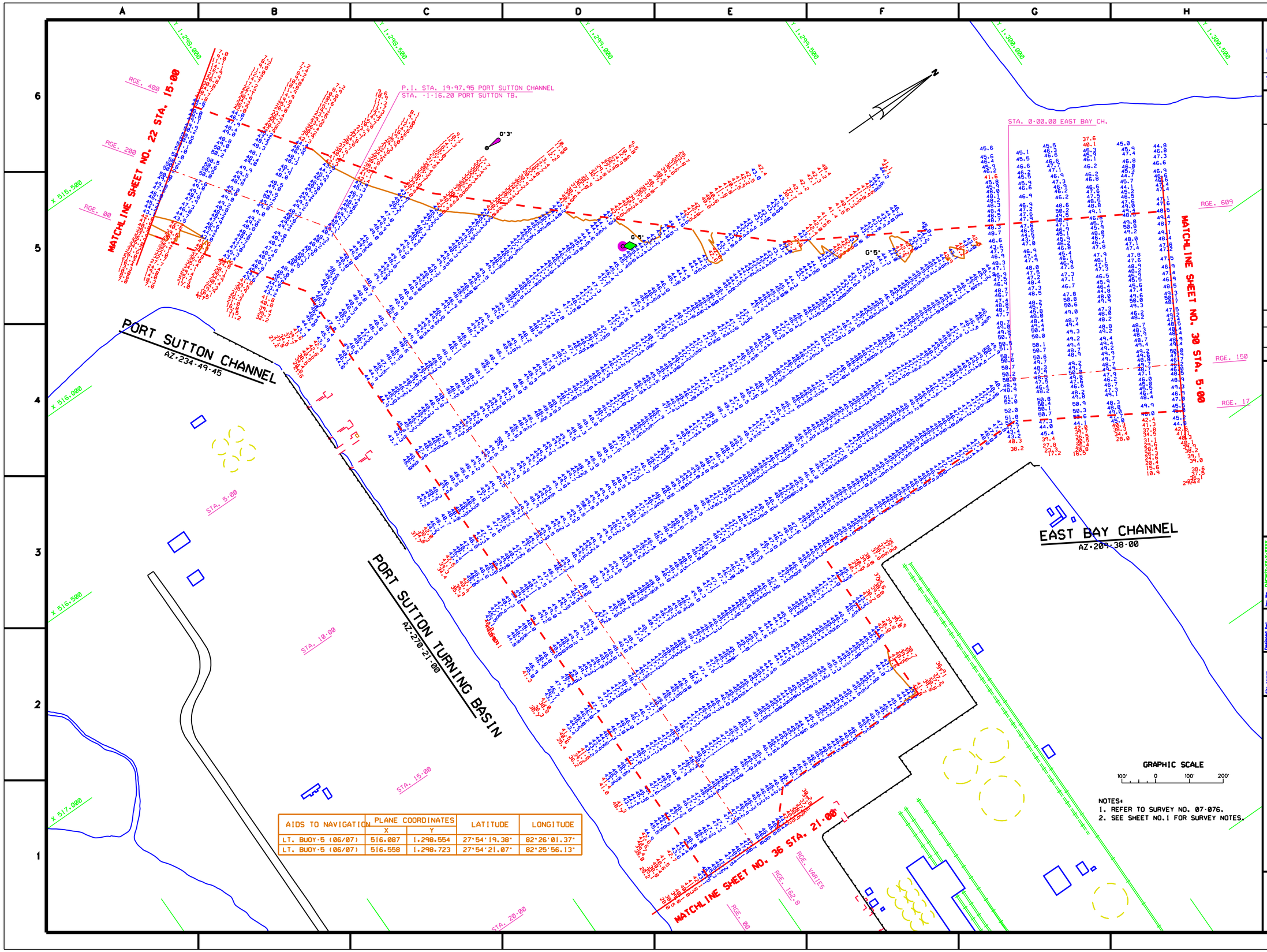
File name: 07-076SV22.DGN
Reference files: BG0998.DGN TAMPAHB983.DGN TPA-GORE83.DGN 07-076SV01.DGN 07-076NAV.DGN CDM43.DGN

TAMPA HARBOR, FLORIDA

PROJECT CONDITION SURVEY
34 & 43-FOOT PROJECT
STA. 315+00 CUT-C THRU STA. 7+00 CUT-D AND
STA. 0+00 THRU STA. 15+00 PORT SUTTON CHL.
PLAN

DRAWING NO.
2/9

SHEET 22 OF 54




| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| | X | Y | | |
| LT. BUOY-5 (06/07) | 516.087 | 1.298.554 | 27°54'19.38" | 82°26'01.37" |
| LT. BUOY-5 (06/07) | 516.558 | 1.298.723 | 27°54'21.07" | 82°25'56.13" |

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Scale AS SHOWN
Plot date XX XX XXXX
Plot scale XXXX

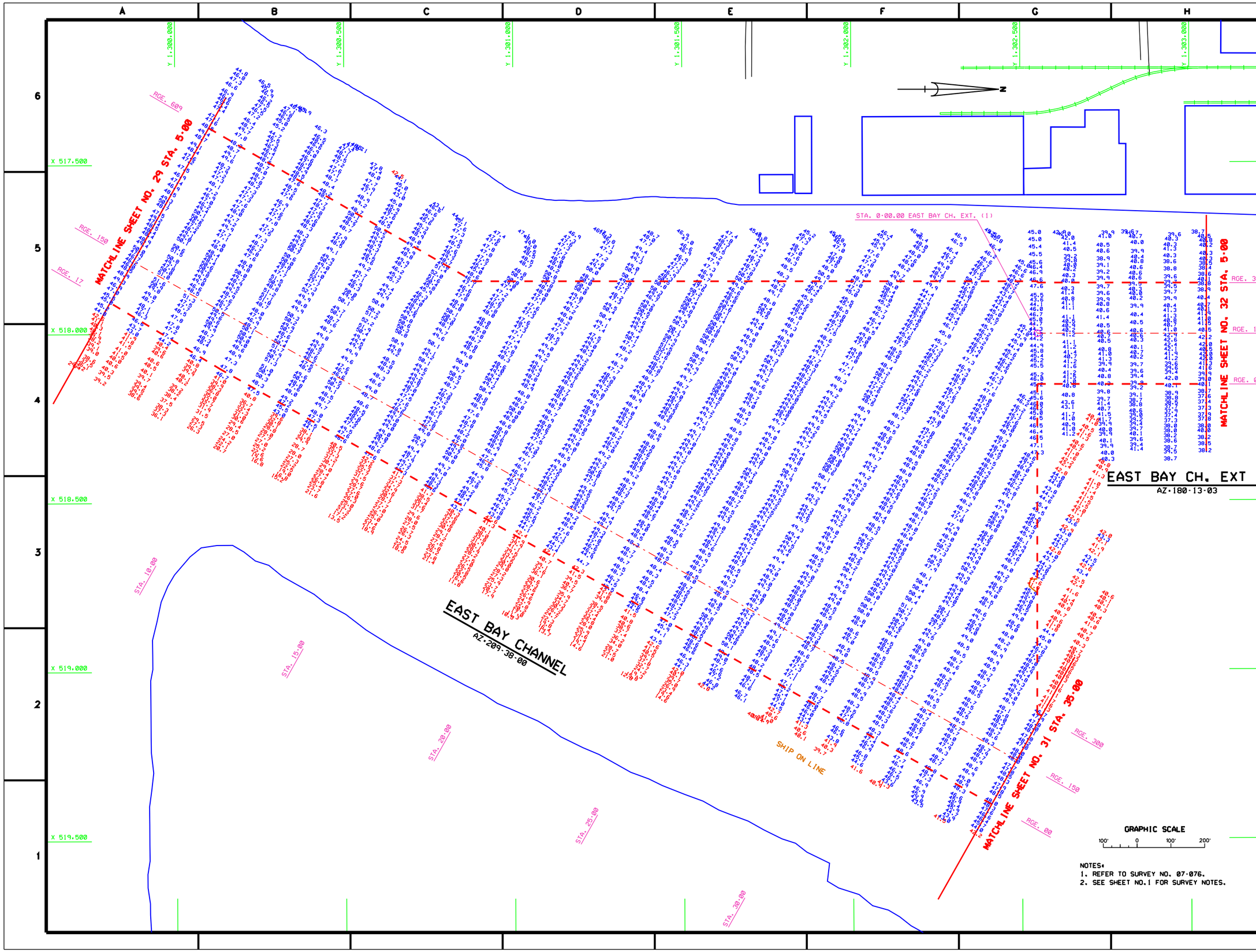
Designed by WRW
Dwn by WRW
Chk by WRW
Date JUN 2007
D.O. FILE NO.

File name 07-076SHG2.DGN
Reference files BKGRND.DGN
TAMPABASE3.DGN
07-076BASE.DGN
07-076EBC.DGN
07-076PSTB.DGN
07-076PSTC.DGN
07-076BAY.DGN
COM13.DGN

TAMPA HARBOR, FLORIDA
PROJECT CONDITION SURVEY
34 & 43-FOOT PROJECT
STA.15+00 PORT SUTTON CHL. THRU STA.21+00
PORT SUTTON TURNING BASIN AND STA.0+00
THRU STA.5+00 EAST BAY CHANNEL
PLAN

DRAWING NO.
3/9

SHEET 29 OF 54




GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 07-076.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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Plot scale: XXX

Designed by: RMW
Dwn by: RMW
Ckd by: RMW

Date: JUN 2007
D.O.FILE NO.

File name: 07-076SH30.DGN
Reference files: BROR3.DGN, TPASHORE3.DGN, TAMPAHB3.DGN, 07-076EBC.DGN, 07-076EB1.DGN, COM3.DGN

TAMPA HARBOR, FLORIDA

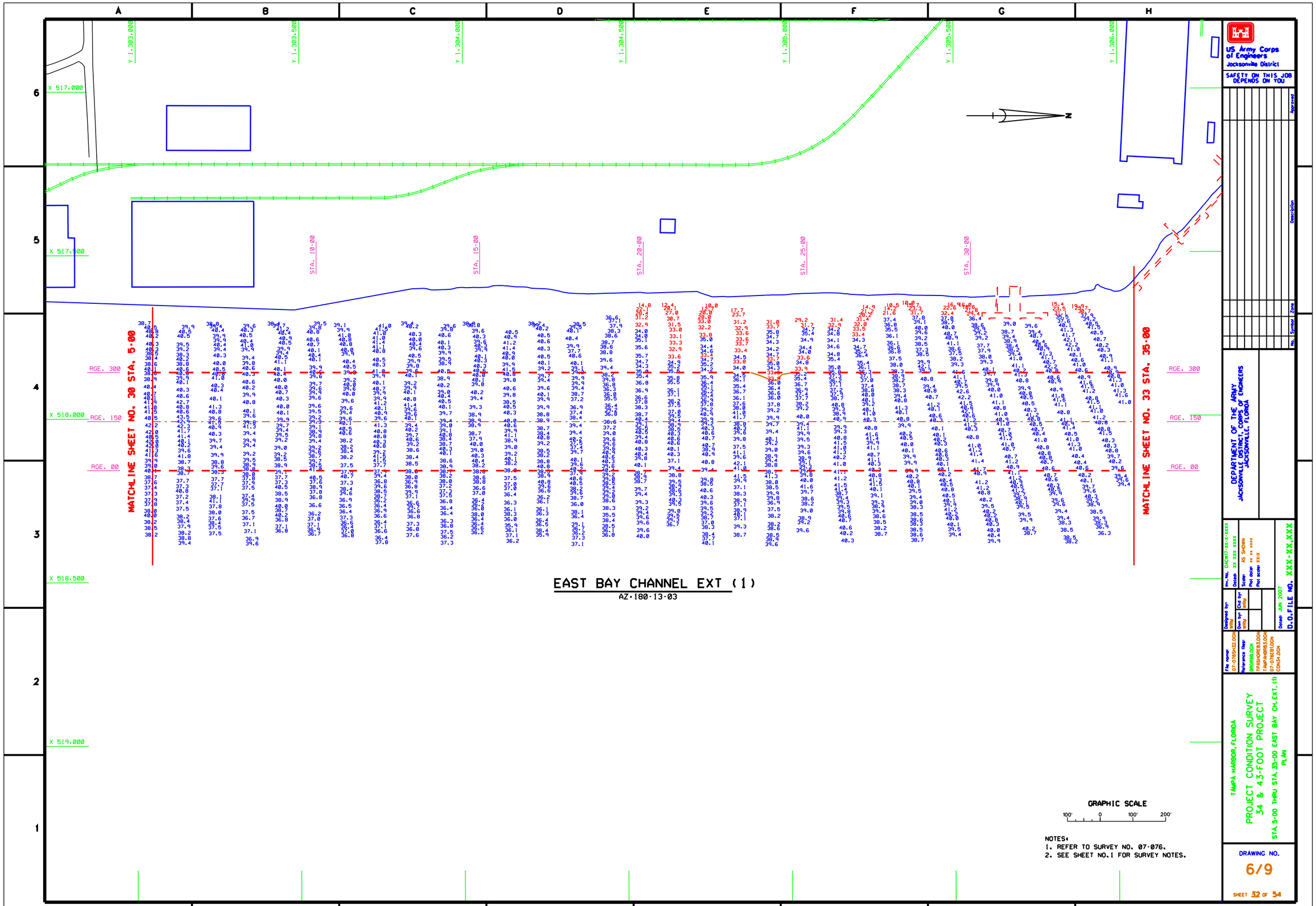
PROJECT CONDITION SURVEY
34 & 43-FOOT PROJECT

STA 5+00 THRU STA 35+00 EAST BAY CHANNEL &
STA 0+00 THRU STA 50+00 EAST BAY CH. EXT (1)

PLAN

DRAWING NO.
4/9

SHEET 30 OF 54


A
B
C
D
E
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G
H
6
5
4
3
2
1
Y 1,303,000
Y 1,303,500
Y 1,304,000
Y 1,304,500
Y 1,305,000
Y 1,305,500
Y 1,306,000
X 517,000
X 517,500
X 518,000
X 518,500
X 519,000
STA. 10+00
STA. 15+00
STA. 20+00
STA. 25+00
STA. 30+00
RGE. 300
RGE. 150
RGE. 00
MATCHLINE SHEET NO. 30 STA. 5+00
MATCHLINE SHEET NO. 33 STA. 35+00
N
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Description
No. Symbol Zone
DEPARTMENT OF THE ARMY
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JACKSONVILLE, FLORIDA
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Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX
Designed by: WRW
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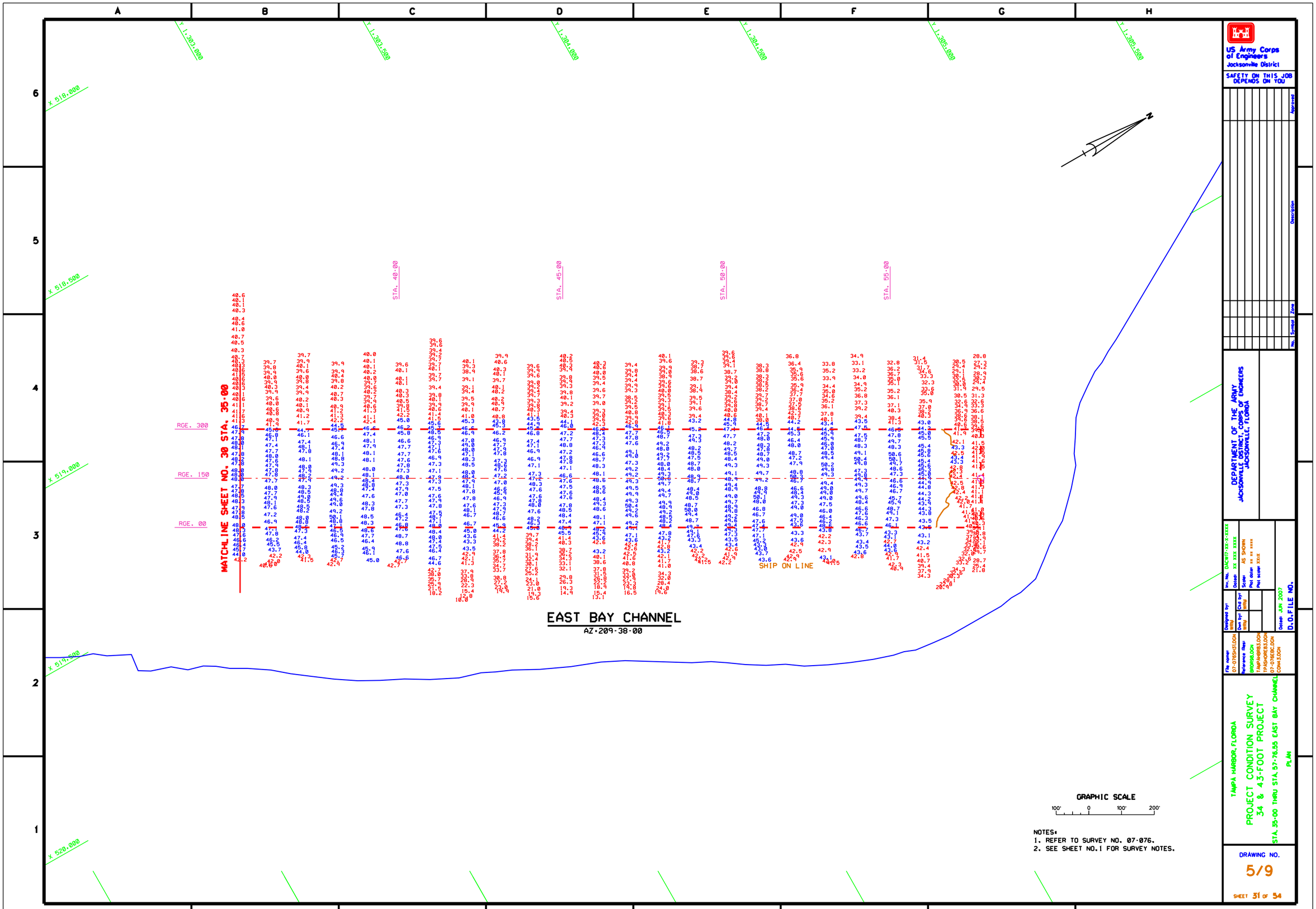
Chkd by: WRW
Dates: JUN 2007
D.O.FILE NO. XXX-XX.XXX
File name: 07-076SH32.DGN
Reference files: 6R0898.DGN
TPASHORE3.DGN
TAMPA6R98.DGN
07-076EBL.DGN
CONSA.DGN
TAMPA HARBOR, FLORIDA
PROJECT CONDITION SURVEY
34 & 43-FOOT PROJECT
STA.5+00 THRU STA.35+00 EAST BAY CH.EXT.(1)
PLAN
DRAWING NO.
6/9
SHEET 32 OF 54
EAST BAY CHANNEL EXT (1)
AZ-180-13-03
GRAPHIC SCALE
100' 0 100' 200'
NOTES:
1. REFER TO SURVEY NO. 07-076.
2. SEE SHEET NO.1 FOR SURVEY NOTES.




GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 07-076.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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Scale: AS SHOWN
Plot date: xx-xxx
Plot scale: XXX:X

Designed by: WRU
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Ckd by: WRU

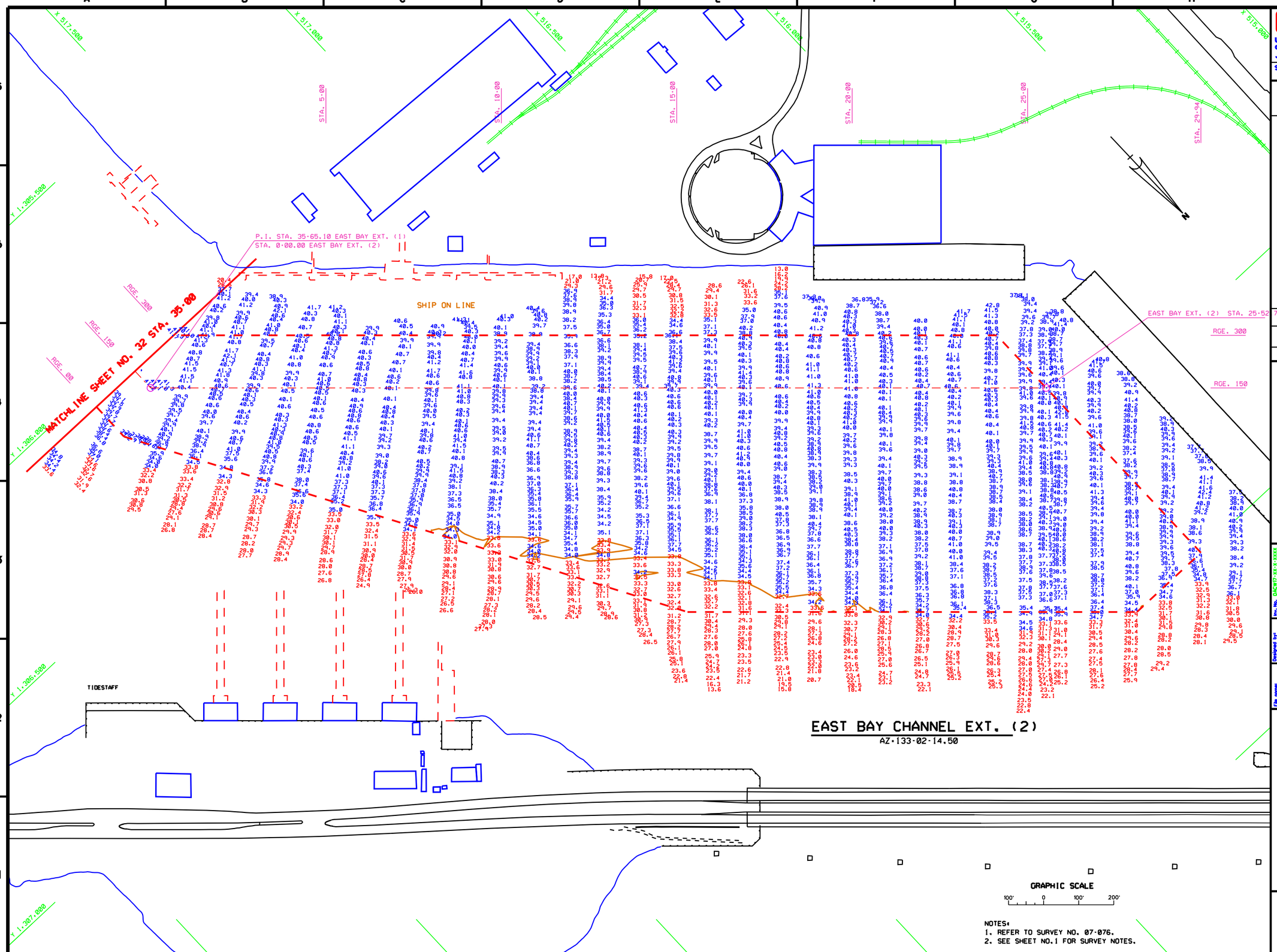
Date: JUN 2007
D.O.FILE NO.

File name: 07-076SHS1.DGN
Reference files: BNP1B0.DGN, BNP1B1.DGN, TPSHORE83.DGN, 07-076EBC.DGN, CON43.DGN

TAMPA HARBOR, FLORIDA
PROJECT CONDITION SURVEY
34 & 43-FOOT PROJECT
STA. 35+00 THRU STA. 57+76.55 EAST BAY CHANNEL
PLAN

DRAWING NO.
5/9

SHEET 31 OF 54




NOTES:
1. REFER TO SURVEY NO. 07-076.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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Plot date: XX XX XXXX
Plot scale: XXX

Designed by: WRM
Drn by: WRM
Chd by: WRM

Date: JUN 2007

D.O. FILE NO.

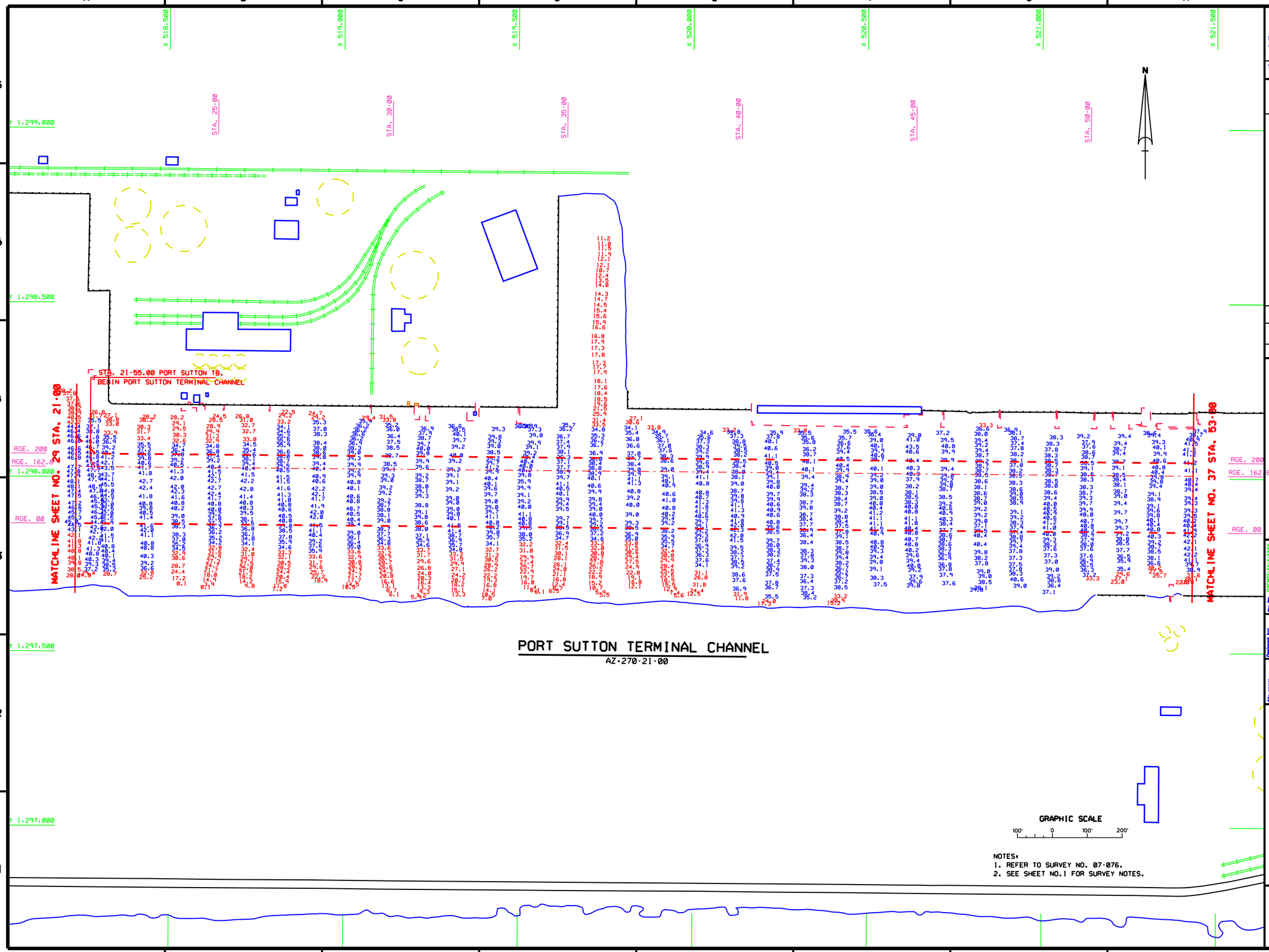
File name: 07-076SH33.DGN
Reference files: BR0088.DGN, TPASHORE33.DGN, TMP4KBR33.DGN, 07-076EB1.DGN, 07-076EB2.DGN, CON34.DGN

TAMPA HARBOR, FLORIDA

PROJECT CONDITION SURVEY
34 & 43-FOOT PROJECT
STA.33+00 EAST BAY CH.EXT.(1) THRU
STA.29+94 EAST BAY CH.EXT.(2)
PLAN

DRAWING NO.
7/9

SHEET 33 OF 54




NOTES:
1. REFER TO SURVEY NO. 07-076.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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Ckd by: RRW
Date: JUN 2007
D.O.FILE NO.

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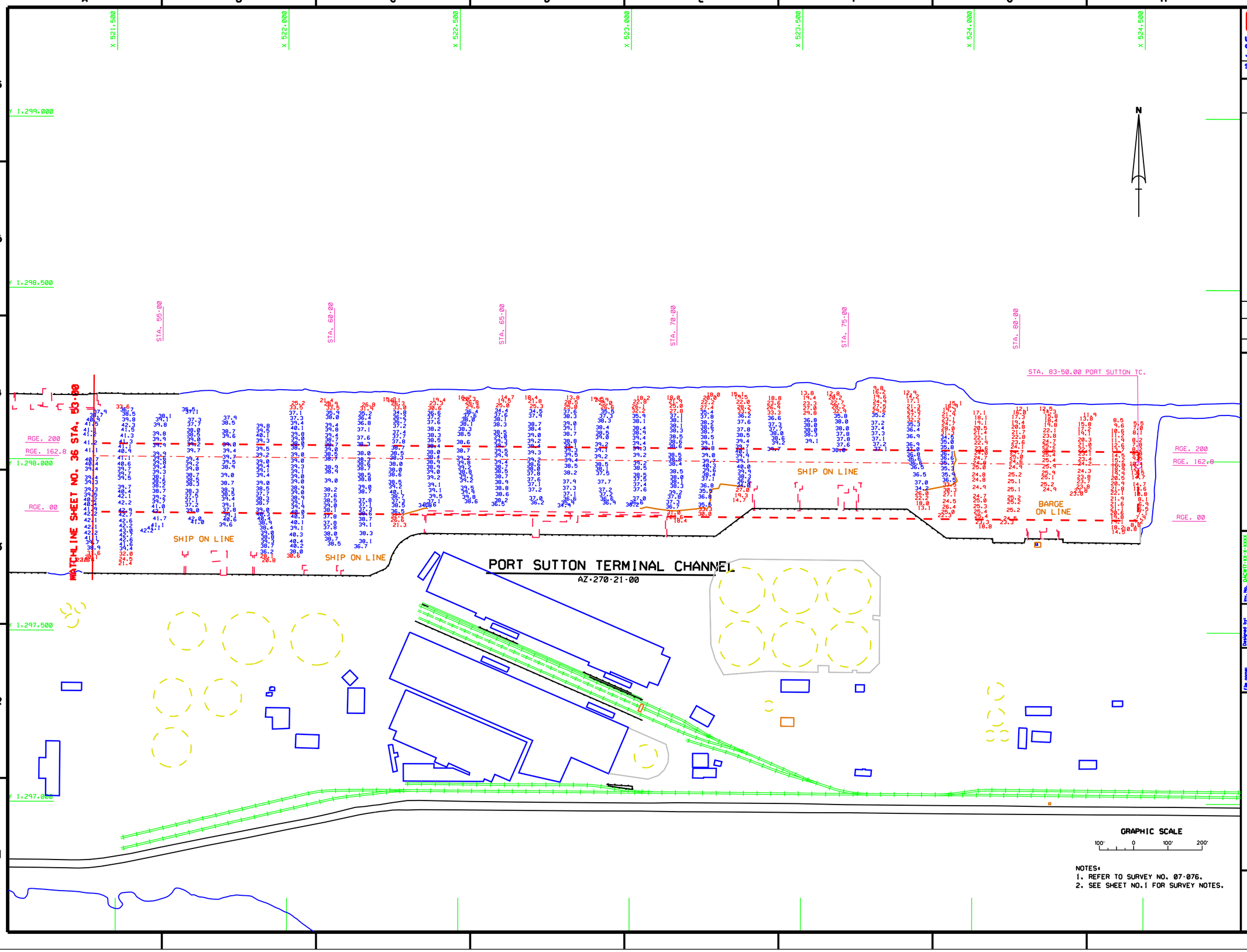
TAMPA HARBOR, FLORIDA

PROJECT CONDITION SURVEY
34 & 43-FOOT PROJECT
STA. 21+00 THRU STA. 53+00 PORT SUTTON TERMINAL CHANNEL
PLAN

DRAWING NO.
8/9

SHEET 36 OF 54




NOTES:
1. REFER TO SURVEY NO. 07-076.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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Plot scale: XXX

Designed by: WRU
Dwn by: WRU
Ckd by: WRU

Date: JUN 2007
D.O.F.ILE NO.

File name: 07-076SH37.DGN
Reference files: BSCR38.DGN, 07-076PST1C.DGN, TPASHORE83.DGN, TAMPAHR83.DGN, CON34.DGN

TAMPA HARBOR, FLORIDA

PROJECT CONDITION SURVEY
34 & 43-FOOT PROJECT

STA. 53+00 THRU STA. 83+50 PORT SUTTON T.C.
PLAN

DRAWING NO.
9/9

SHEET 37 OF 54