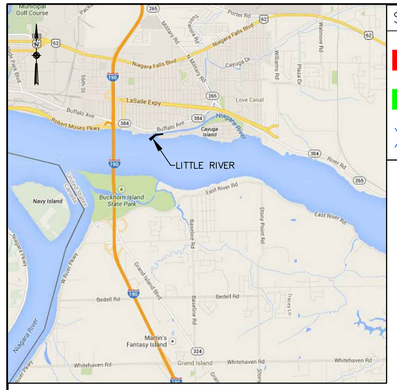



VICINITY MAP
"NOT TO SCALE"

## SOUNDING COLOR LEGEND

| | |
|---|---|
| | DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH |
| | DEPTHS AT OR BELOW PROJECT DEPTH |
| XX.X | PROJECT DEPTH |

## LEGEND OF SYMBOLS

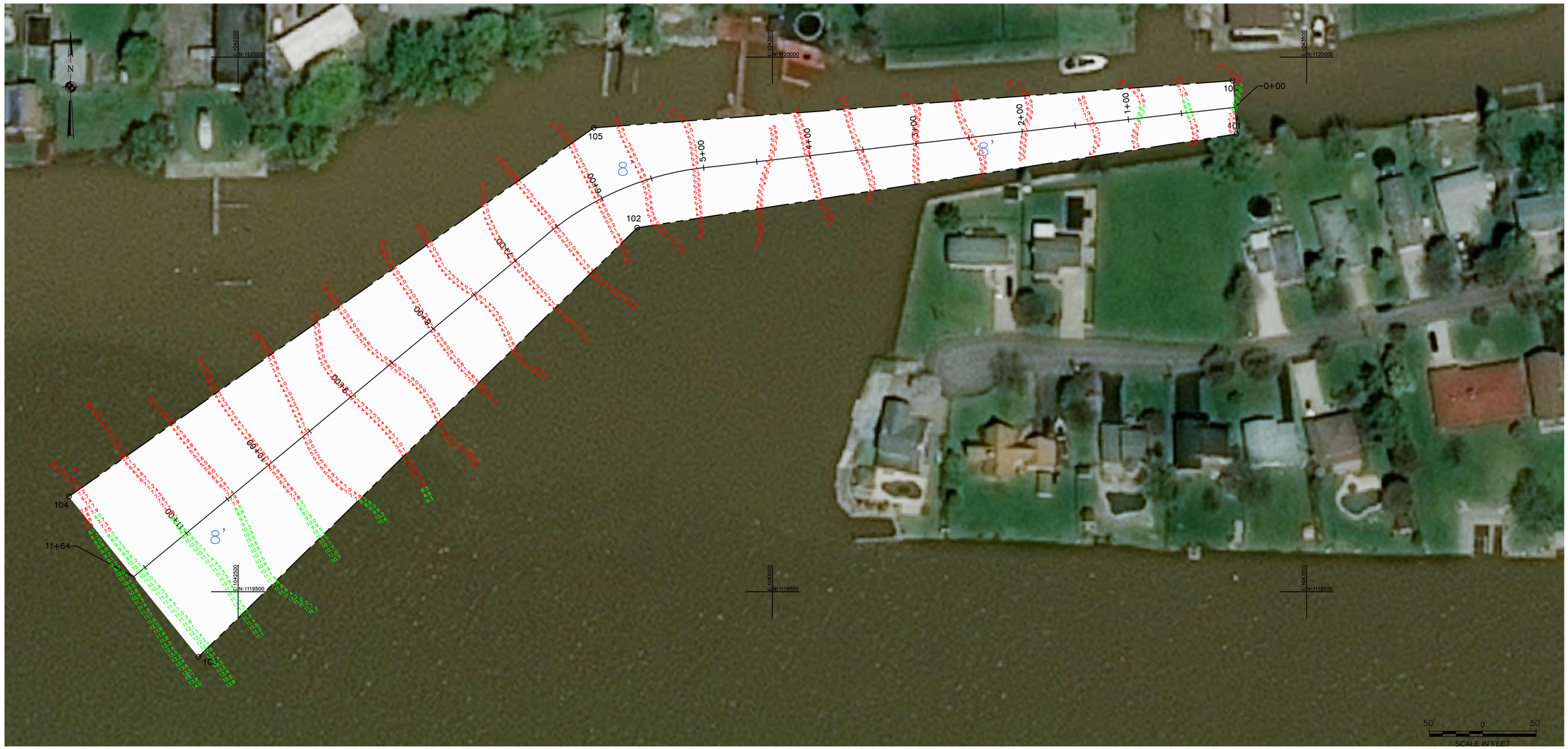
| | |
|---|---|
| 17+00 (NEW), 17+00 (OLD) | CHANNEL STATIONING |
| ⊙ 417 | CHANNEL CORNER |
| ◎ H.L.F. | HARBOR LINE CORNER |
| — — — — | FEDERAL CHANNEL |
| ——— ——— | HARBOR LINE |
| — — — — | SUBMARINE CABLE |
| C | CAN BUOY |
| N | NUN BUOY |
| | LIGHTED BUOY |
| | FIXED LIGHT |
| | LIGHT HOUSE |
| W | LIGHT COLOR WHITE |
| R | LIGHT COLOR RED |
| G | LIGHT COLOR GREEN |
| FL | FLASHING LIGHT |
| F | FIXED LIGHT |
| Oc | OCCULTING LIGHT |
| Iso | EQUAL INTERVAL |
| AL | ALTERNATING |
| Q | QUICK (FLASHING) |
| S | LIGHT CYCLE SECONDS |

SITE SPECIFIC NOTES:

1. PROJECT DEPTHS AND SOUNDINGS ARE REFERRED TO LOW WATER DATUM OF 562.0 FEET IGLD 1985.
2. HORIZONTAL CONTROL IS REFERRED TO NORTH AMERICAN DATUM 1983 NEW YORK STATE PLANE COORDINATE SYSTEM–WEST ZONE.
3. PROJECT DEPTH IS AS NOTED BELOW LOW WATER DATUM.
4. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. DELL AND PARTY ON JULY 02, 2019 USING:
   GPS POSITIONING, POS–MV VER. 5 W/ RTK TIDES
   CORRECTION USED: TRIMBLE RTK BASE AT CP "LYC"
   SONAR HEAD: 200 KHZ, ODOM MKIII
   HEAVE PITCH AND ROLL; NONE
   VELOCITY PROFILER; SONTEK CASTAWAY
   HYPACK SURVEY SOFTWARE
   SURVEY LAUNCH "SMOKERCRAFT"
5. THE SOUNDING INFORMATION DEPICTED ON THE MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION AT THAT TIME.
6. THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OUTLINED IN CORPS OF ENGINEERS HYDROGRAPHIC SURVEY MANUAL EM 1110–2–1003.

CHANNEL CORNER COORDINATES

| POINT | NORTHING | EASTING |
|---|---|---|
| 100 | 1119978.05 | 1043430.61 |
| 101 | 1119928.10 | 1043434.30 |
| 102 | 1119842.20 | 1042868.52 |
| 103 | 1119439.05 | 1042462.85 |
| 104 | 1119588.91 | 1042341.56 |
| 105 | 1119933.87 | 1042832.81 |




US Army Corps of Engineers
Buffalo District

Original sheet size = ANSI D

** COPY OF SIGNED ORIGINAL **

| | |
|---|---|
| Drawn by: | KPL |
| Checked by: | ACK |
| Reviewed by: | Roman H. Figler III PLS<br>Chief, Survey Section |
| Approved by: | Edward F. Gawreski<br>Chief, NY/PA Navigation and Maintenance Section |

To download an electronic version of this map, point a web browser to: https://www.lrb.usace.army.mil/Library/MapsandCharts.aspx

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
BUFFALO, NEW YORK 14207–3199

LITTLE NIAGARA
NIAGARA FALLS, NY
**PROJECT CONDITIONS SOUNDINGS 2019**
SCALE: 1"=50'

Sheet reference number
**VH–101**
Sheet 1 of 1

C:\Users\%Sdesktop\Desktop\Current Work\Little Niagara 2019.dwg