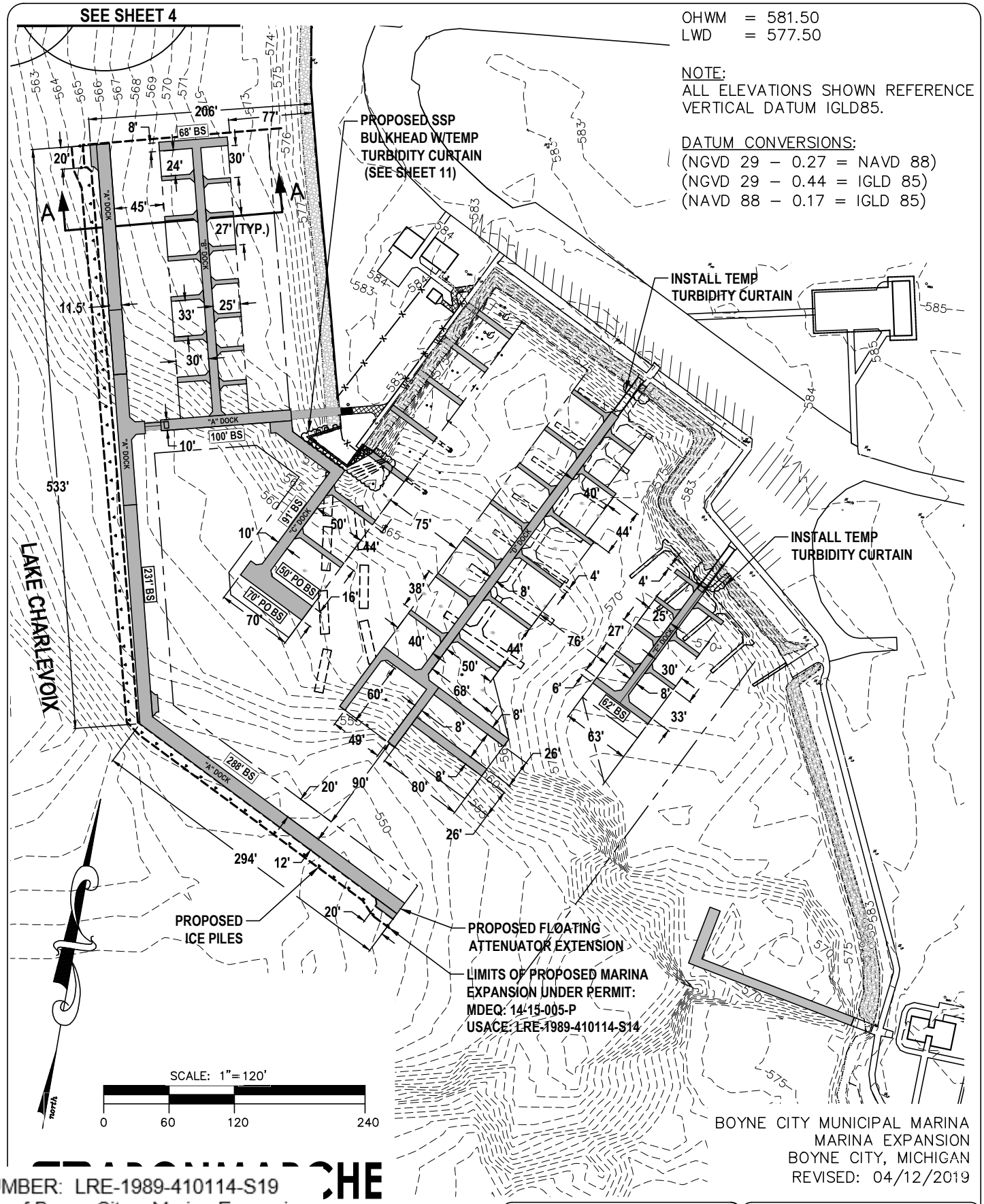

Grant Moore Marina Expansion - Phase I\CAD_Civil\Drawings\17-0886 MARINA EXPANSION_PHASE II PERMIT.dwg, PROP 8-5x11, 4/12/2019 11:06:39 PM, ddombos, 1:1

NUMBER: LRE-1989-410114-S19
City of Boyne City – Marina Expansion
By: City of Boyne City
Lake Charlevoix
Charlevoix County, MICHIGAN
SHEET 4 OF 14

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PREPARED FOR:
BOYNE CITY MUNICIPAL MARINA
MARINA EXPANSION
PROPOSED DOCKS

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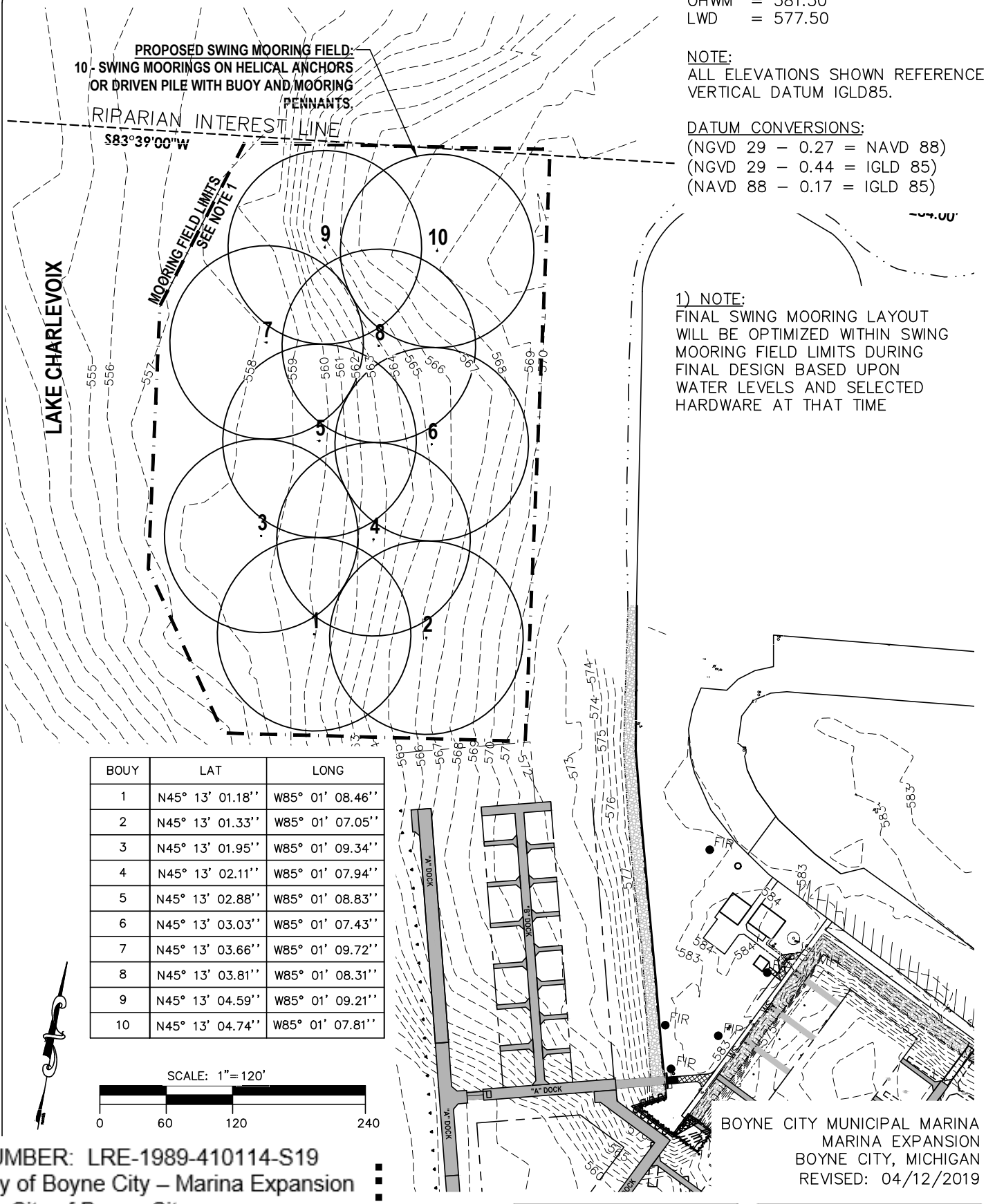
SCALE: **1"=120'**
JOB #: **17-0886**
SHEET **4** OF **14**

OHWM = 581.50
LWD = 577.50

NOTE:
ALL ELEVATIONS SHOWN REFERENCE VERTICAL DATUM IGLD85.

DATUM CONVERSIONS:
(NGVD 29 – 0.27 = NAVD 88)
(NGVD 29 – 0.44 = IGLD 85)
(NAVD 88 – 0.17 = IGLD 85)

1) NOTE:
FINAL SWING MOORING LAYOUT WILL BE OPTIMIZED WITHIN SWING MOORING FIELD LIMITS DURING FINAL DESIGN BASED UPON WATER LEVELS AND SELECTED HARDWARE AT THAT TIME



BOUY	LAT	LONG
1	N45° 13' 01.18''	W85° 01' 08.46''
2	N45° 13' 01.33''	W85° 01' 07.05''
3	N45° 13' 01.95''	W85° 01' 09.34''
4	N45° 13' 02.11''	W85° 01' 07.94''
5	N45° 13' 02.88''	W85° 01' 08.83''
6	N45° 13' 03.03''	W85° 01' 07.43''
7	N45° 13' 03.66''	W85° 01' 09.72''
8	N45° 13' 03.81''	W85° 01' 08.31''
9	N45° 13' 04.59''	W85° 01' 09.21''
10	N45° 13' 04.74''	W85° 01' 07.81''

SCALE: 1"=120'
0 60 120 240

BOYNE CITY MUNICIPAL MARINA
MARINA EXPANSION
BOYNE CITY, MICHIGAN
REVISED: 04/12/2019

NUMBER: LRE-1989-410114-S19
City of Boyne City – Marina Expansion
By: City of Boyne City
Lake Charlevoix
Charlevoix County, MICHIGAN
SHEET 5 OF 14

Goshen
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PREPARED FOR:
BOYNE CITY MUNICIPAL MARINA
MARINA EXPANSION
PROPOSED MOORING FIELD

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SCALE: **1"=120'**
JOB #: **17-0886**
SHEET **5** OF **14**

Moore Marina Expansion - Phase I\CAD_Civil\Drawings\17-0886 MARINA EXPANSION_PHASE II PERMIT.dwg, PROP MOORING 8-5x11, 4/12/2019 11:06:40 PM, ddombos, 1:1