



COMMONWEALTH of VIRGINIA

Marine Resources Commission

2600 Washington Avenue

Third Floor

Newport News, Virginia 23607

January 30, 2012

Douglas W. Domenech
Secretary of Natural Resources

Steven G. Bowman
Commissioner

MEMORANDUM

From: Justin D. Worrell *JDW*
Environmental Engineer

To: Adjacent Property Owners
Long Creek Municipal Channel, City of Virginia Beach

Subject: Maintenance Dredging Permit Request, Joint Permit Application #11-1830

The Virginia Marine Resources Commission has received a request from the City of Virginia Beach to maintenance dredge (mechanically or hydraulically) approximately 25,000 cubic yards of State-owned bottom on an annual as-needed basis to maintain maximum navigable depths of minus eight (-8) feet mean low water in the Long Creek municipal channel in Virginia Beach. All dredged spoils will be offloaded at either the Maple Street Placement Site or the Lynnhaven Inlet Placement Site and used for future beach nourishment.

Your name was provided as an adjacent property owner, therefore, we are advising you of the proposal. Attached is a copy of the application drawings indicating the proposed dredging details.

If you have questions regarding the details of this project, please feel free to contact me. If I cannot answer your questions, I will then refer you to the City of Virginia Beach.

If you object to this proposal, please submit a letter of protest directly to our office within 15 days of the date of this memorandum. If we do not hear from you by February 14, 2012, we will assume you have no objections to the proposal.

JDW/and
HM
Enclosures
cc: Applicant

An Agency of the Natural Resources Secretariat

www.mrc.virginia.gov

Telephone (757) 247-2200 (757) 247-2292 V/TDD Information and Emergency Hotline 1-800-541-4646 V/TDD

ADDITIONAL INFO REVISION

JAN 20 2012

MAINTENANCE DREDGING

NOTES:

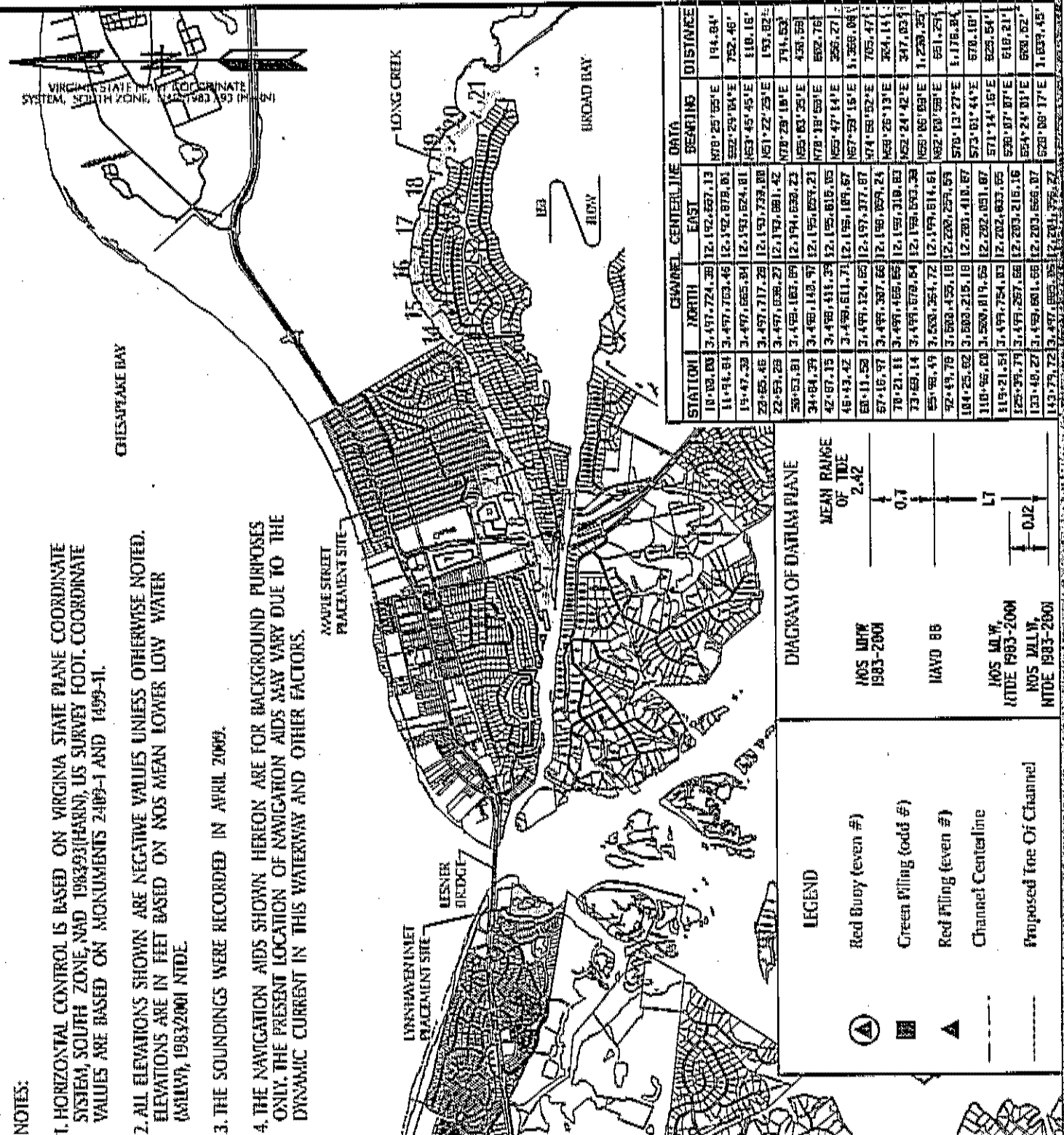
1. HORIZONTAL CONTROL IS BASED ON VIRGINIA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 1983 (HARN), US SURVEY FOOT. COORDINATE VALUES ARE BASED ON MONUMENTS 2409-1 AND 1499-11.
2. ALL ELEVATIONS SHOWN ARE NEGATIVE VALUES UNLESS OTHERWISE NOTED. ELEVATIONS ARE IN FEET BASED ON NOS MEAN LOWER LOW WATER (MLLW), 1983/2001 NTDE.
3. THE SOUNDINGS WERE RECORDED IN APRIL 2009.
4. THE NAVIGATION AIDS SHOWN HEREON ARE FOR BACKGROUND PURPOSES ONLY. THE PRESENT LOCATION OF NAVIGATION AIDS MAY VARY DUE TO THE DYNAMIC CURRENT IN THIS WATERWAY AND OTHER FACTORS.

PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.L.W. = 0.00'

PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

SCALE: 1" = 3000'

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 1 OF 21
DATE: 12/7/2011

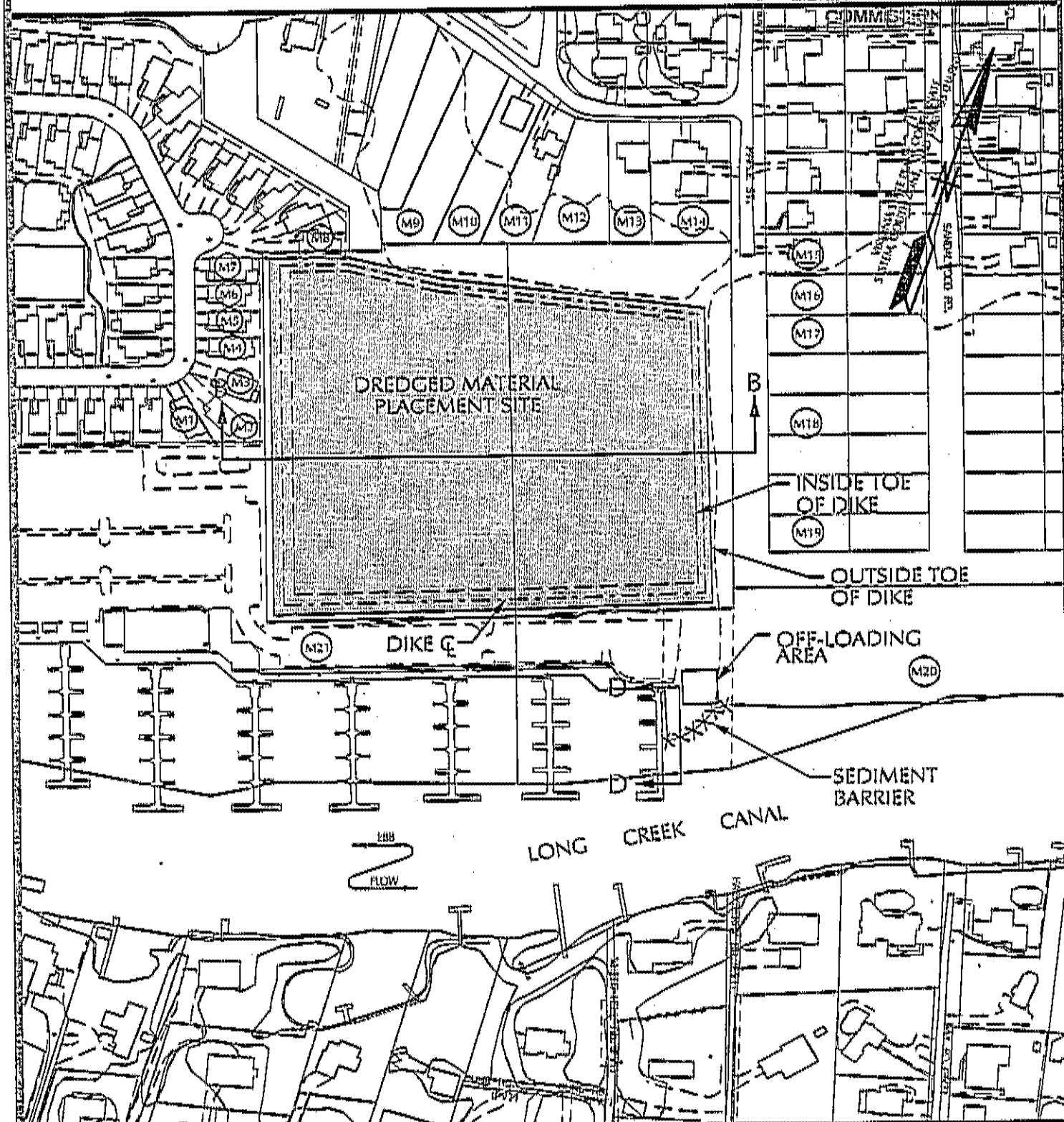


ADDITIONAL INFO
REVISION

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JAN 20 2012

MARINE RESOURCES

COMMISSION



PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.L.W. = 0.00'

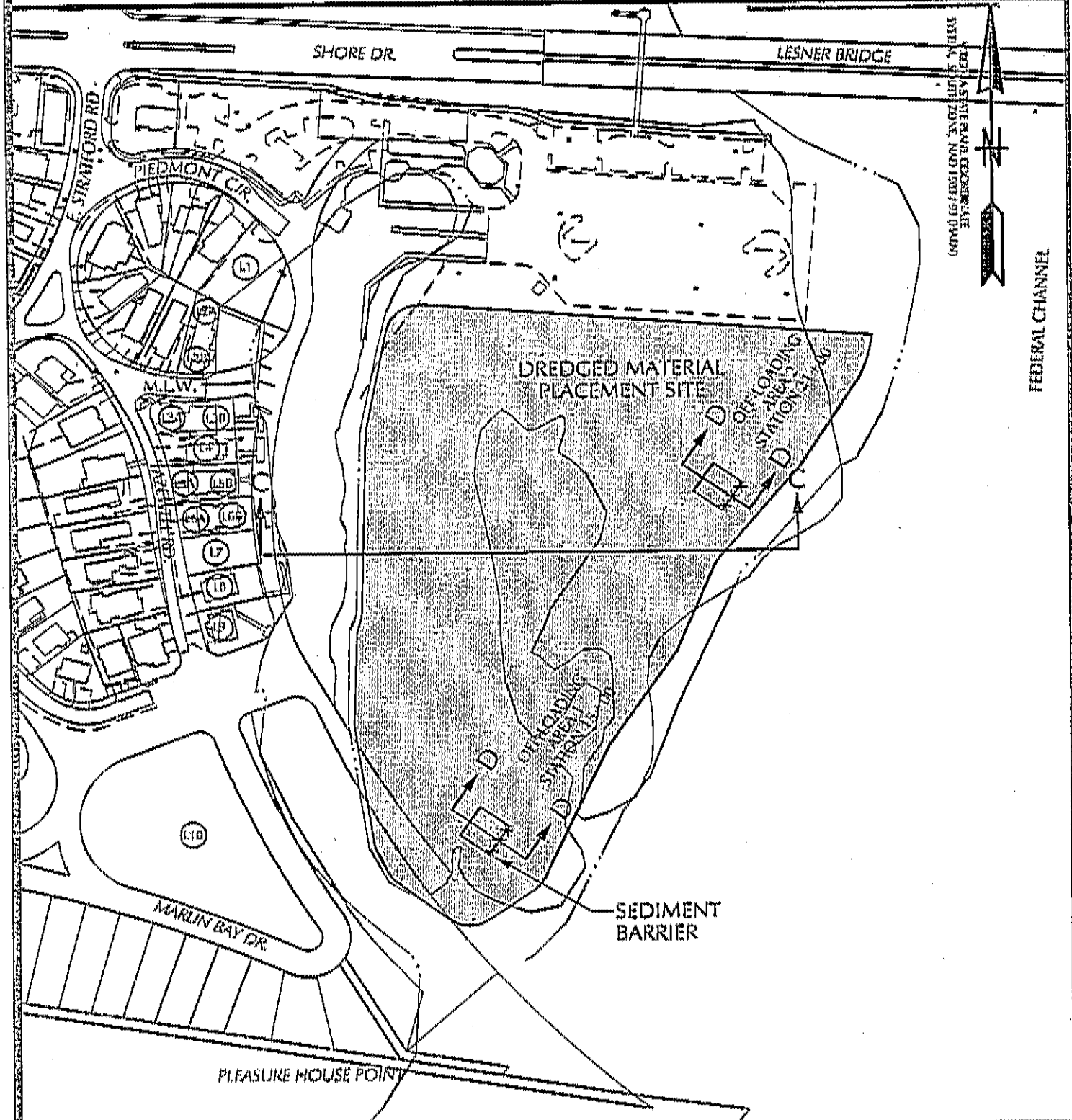
MAPLE STREET PLACEMENT SITE FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

SCALE: 1" = 200'

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 2 OF 21
DATE: 12/7/2011

ADDITIONAL INFO
REVISION

JAN 20 2012
MARINE RESOURCES



PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.W. = 0.00'

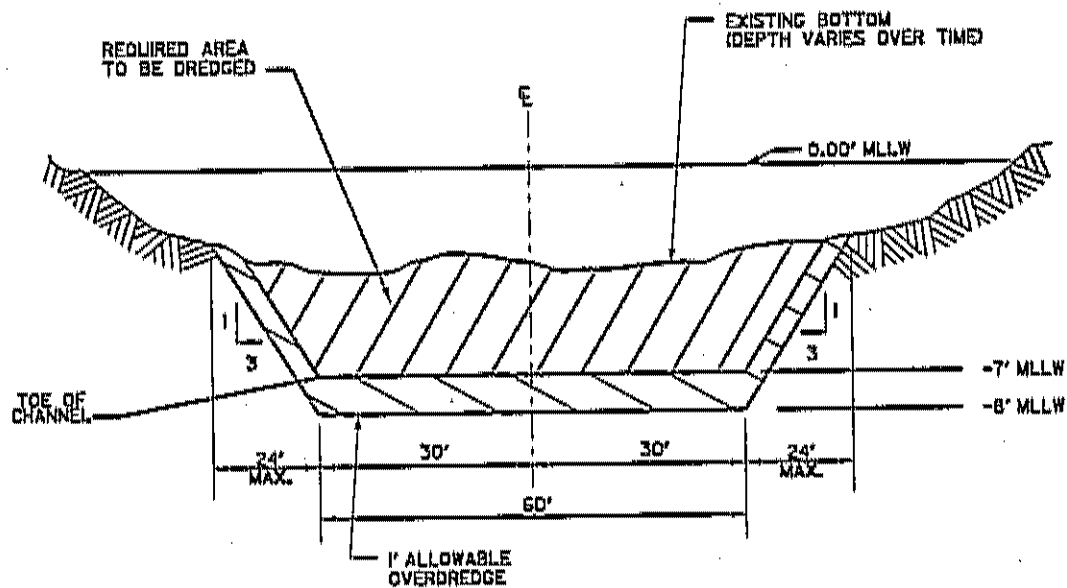
LYNNHAVEN INLET PLACEMENT SITE FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

SCALE: 1" = 200'

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 3 OF 21
DATE: 12/7/2011

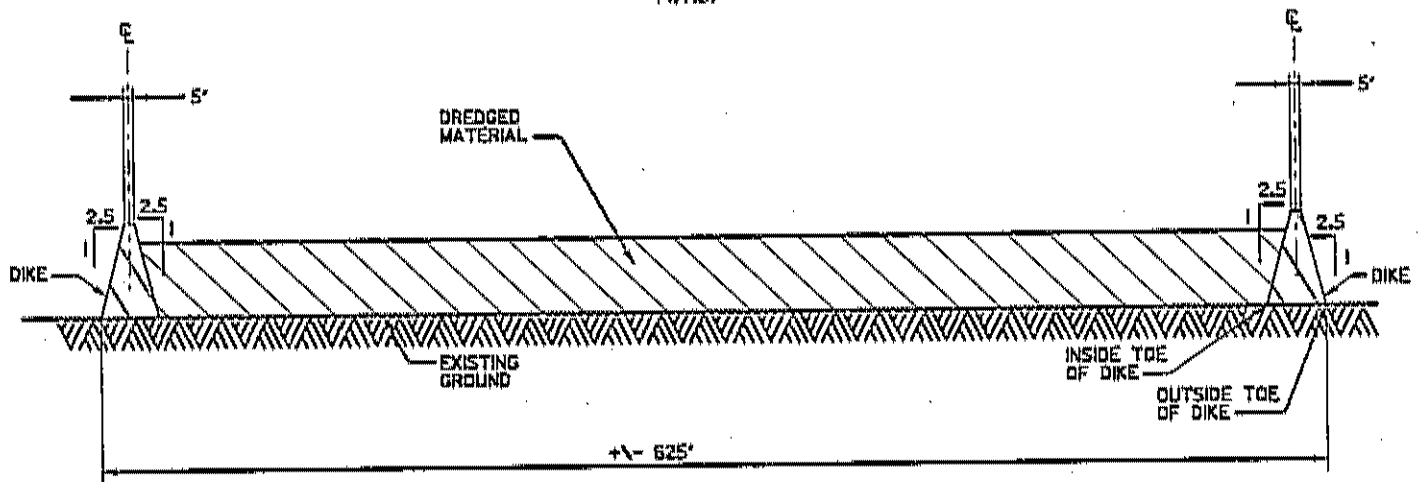
ADDITIONAL INFO
REVISION

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MARINE RESOURCES
COMMISSION



**TYPICAL CHANNEL SECTION A-A
FOR STATIONS 10+00 THRU 135+00**

N.T.S.



MAPLE STREET PLACEMENT SITE TYPICAL FILL SECTION B-B

N.T.S.

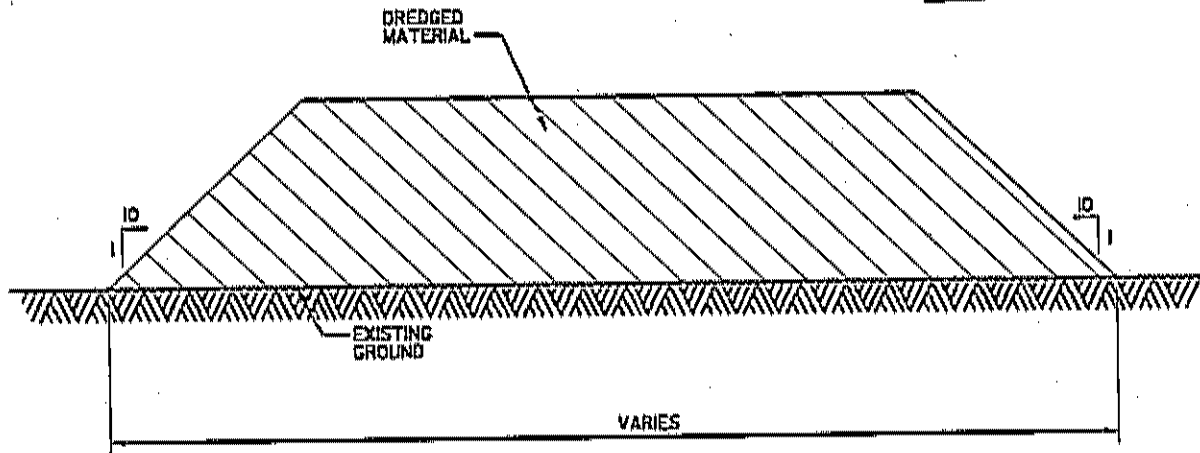
PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.L.W. = 0.00'

PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 4 OF 21
DATE: 12/7/2011

ADDITIONAL INFO
REVISION

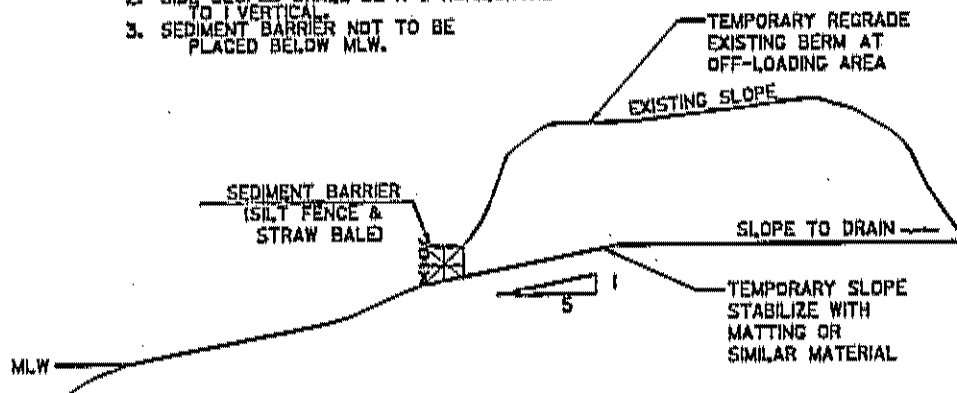
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LYNNHAVEN INLET PLACEMENT SITE TYPICAL FILL SECTION C-C

N.T.S.

- NOTES:
1. THE PROPOSED SLOPE SHALL BE STABILIZED BY MATTING OR SIMILAR MATERIAL.
 2. SIDE SLOPES SHALL BE A 3 HORIZONTAL TO 1 VERTICAL.
 3. SEDIMENT BARRIER NOT TO BE PLACED BELOW MLW.



TYPICAL OFF-LOADING AREA SECTION D-D

N.T.S.

PURPOSE: NAVIGATION
DATUM: DOES NOT APPLY

PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 5 OF 21
DATE: 12/7/2011

ADDITIONAL INFO
REVISION

JAN 20 2012

MARINE RESOURCES
COMMISSION

VIRGINIA STATE PLANE COORDINATE
SYSTEM, SOUTH ZONE, NAD 1983 / 93 (FARN)

Match Line - See Sheet 7

21A

15+00

11+94.84

10+00

LONG CREEK CANAL

PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.L.W. = 0.00'

PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

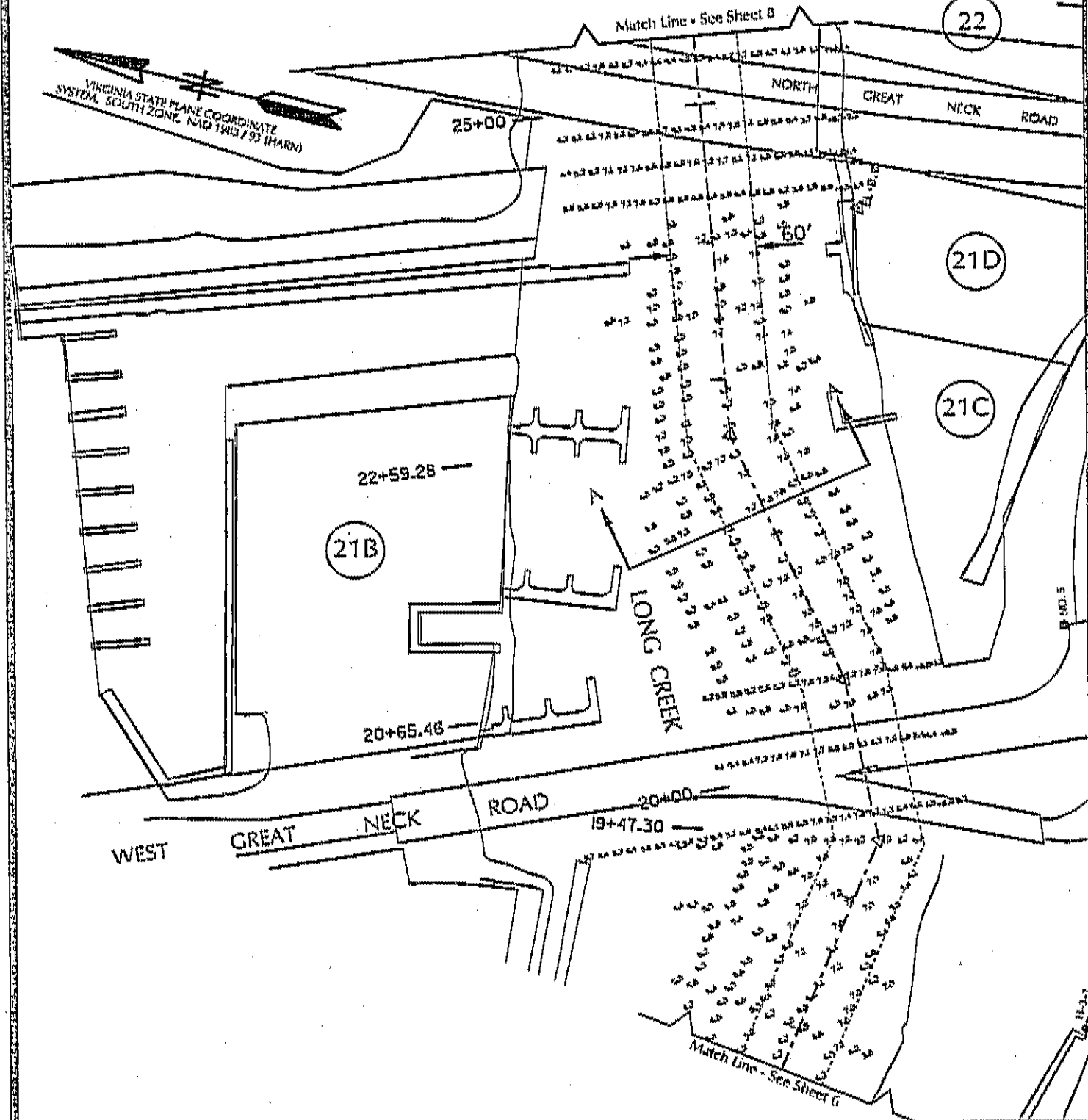
MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 6 OF 21
DATE: 12/7/2011

SCALE: 1" = 100'

REVISION

JAN 20 2012

MAINTENANCE DREDGING
COMMISSION



PURPOSE: NAVIGATION
DATUM: N.O.S, M.L.L.W. = 0.00'

PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 7 OF 21
DATE: 12/7/2011

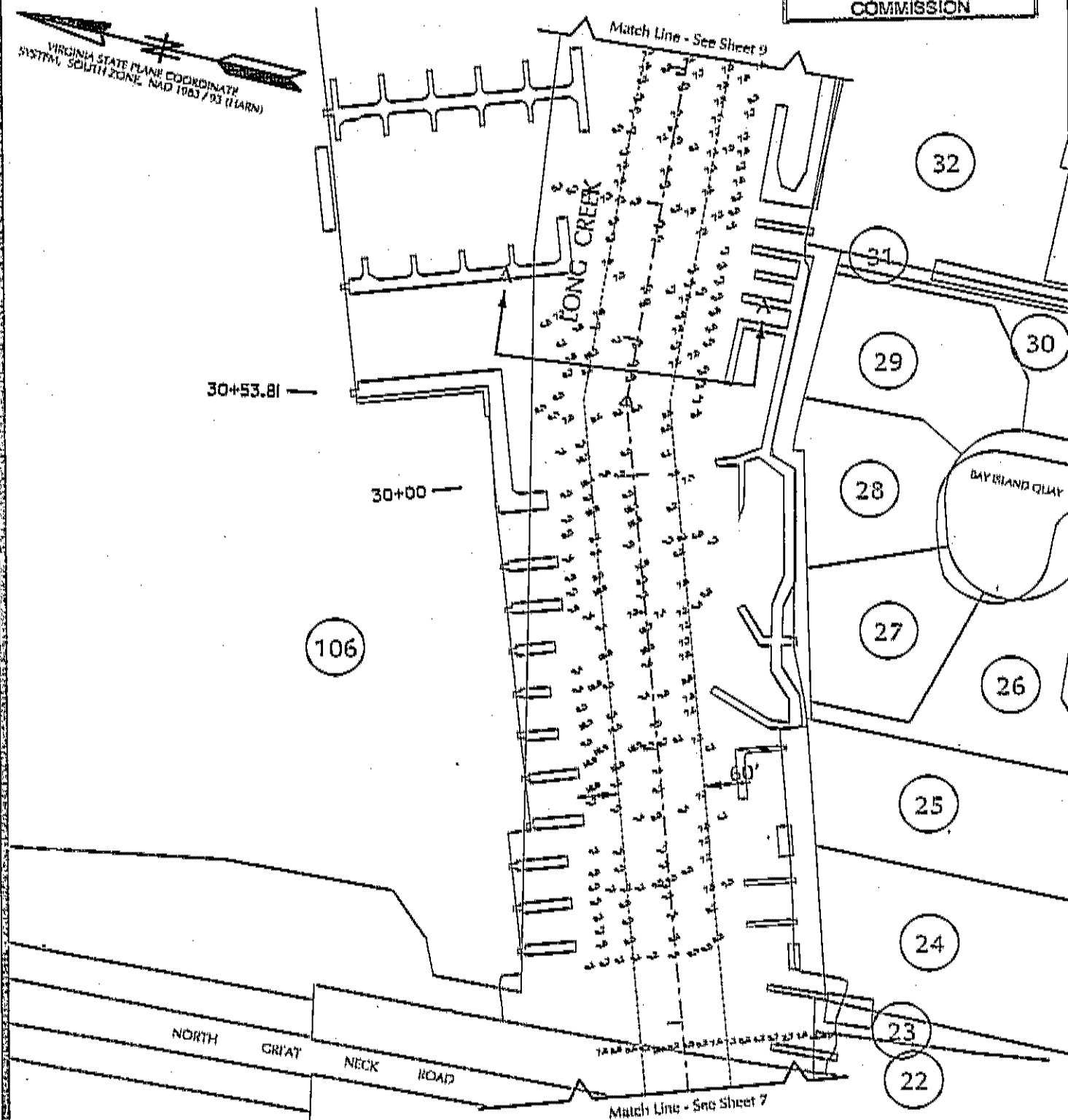
SCALE: 1" = 100'

ADDITIONAL INFO
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MARINE RESOURCES
COMMISSION

VIRGINIA STATE PLANE COORDINATE
SYSTEM, SOUTH ZONE, NAD 1983/93 (TARN)



PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.L.W. = 0.00'

PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

SCALE: 1" = 100'

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 8 OF 21
DATE: 12/7/2011

ADDITIONAL INFO
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MARINE RESOURCES
COMMISSION

Match Line - See Sheet 30

VIRGINIA STATE PLANE COORDINATE
SYSTEM, SOUTH ZONE, NAD 1983 (1994 ADJUST)

40+00

MAPLE STREET
PLACEMENT SITE
SEE SHEET 2

106

34+84.39

60'

LONG CREEK

38

37

36

35

34

33

32

Match Line - See Sheet A

PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.L.W. = 0.00'

PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 9 OF 21
DATE: 12/7/2011

SCALE: 1" = 100'

ADDITIONAL INFO
REVISION

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MARINE RESOURCES
COMMISSION



PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.L.W. = 0.00'

PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

SCALE: 1" = 100'

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 10 OF 21
DATE: 12/7/2011

ADDITIONAL INFO
REVISION

JAN 20 2012

COMMISSION

VIRGINIA STATE PLANNED COORDINATE
SYSTEM, 3011-10-10, NAD 1983 / 93 (HARN)

LONG CREEK ROAD

ABSALOM DRIVE

LONG CREEK ROAD (PVT)

Match Line - See Sheet 12

Match Line - See Sheet 10

LONG CREEK

108

50

49

48

47

46

45

44

106

55+00

107

50+00

SECTION
TWO

PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.L.W. = 0.00'

PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

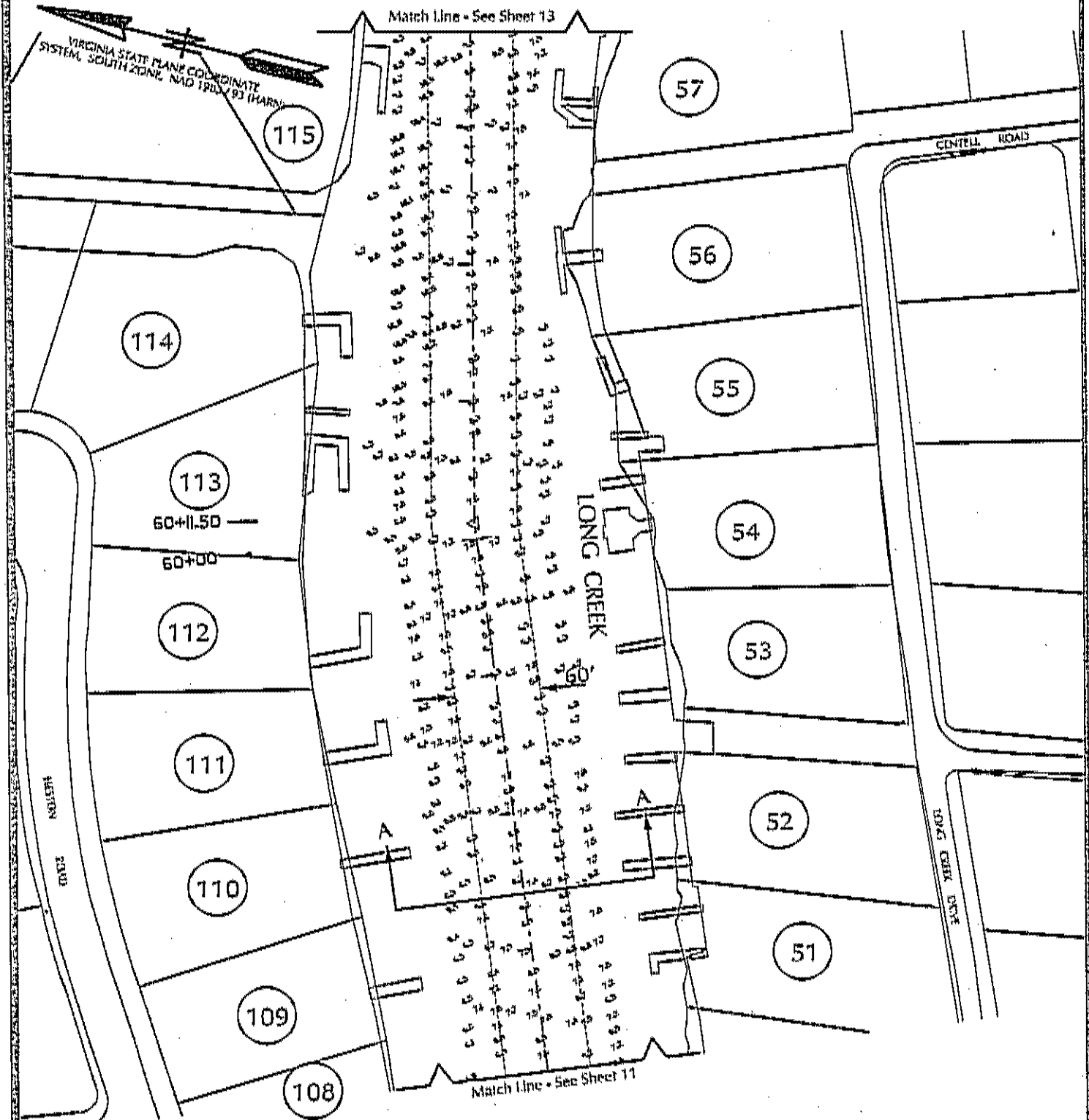
SCALE: 1" = 100'

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 11 OF 21
DATE: 12/7/2011

ADDITIONAL INFO
REVISION

JAN 20 2012

WATER RESOURCES
COMMISSION



PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.L.W. = 0.00'

PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 12 OF 21
DATE: 12/7/2011

SCALE: 1" = 100'

JAN 20 2012

MARINE RESOURCES
COMMISSION

VIRGINIA STATE PLANE COORDINATE
SYSTEM, SOUTH ZONE, NAD 1983 / 93 (HARN)

LONG PINE ROAD

64

63

62

DEVEREUX ROAD

61

60

59

58

122

121

70+21.11
70+00

120

119

57+16.97

118

117

116

65+00

115

EAST ADRIAL DRIVE

LONG CREEK

Match Line - See Sheet 12

PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.L.W. = 0.00'

PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

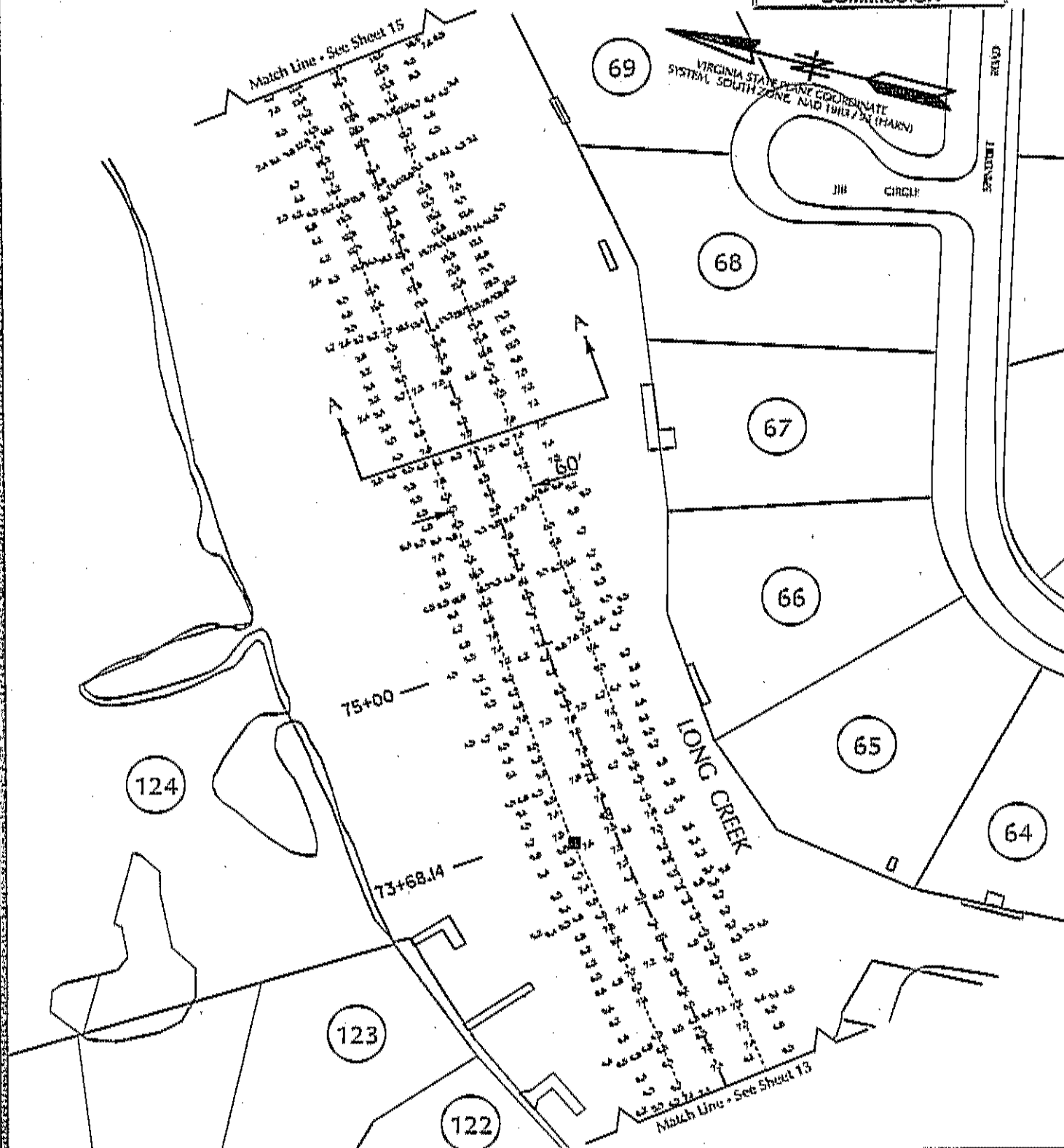
MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 13 OF 21
DATE: 12/7/2011

SCALE: 1" = 100'

ADDITIONAL INFO
REVISION

JAN 20 2012

COMMISSION



PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.L.W. = 0.00'

PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 14 OF 21
DATE: 12/7/2011

SCALE: 1" = 100'

ADDITIONAL INFO
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JAN 23 2012
STATE OF VIRGINIA

MARINE RESOURCES
COMMISSION

VIRGINIA STATE PLANE COORDINATE
SYSTEM, SOUTH ZONE, NAD 1983 (HARN)



PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.L.W. = 0.00'

PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 15 OF 21
DATE: 12/7/2011

SCALE: 1" = 100'

MARINE RESOURCES
COMMISSION

VIRGINIA STATE PLANE COORDINATE
SYSTEM, SOUTH ZONE, NAD 1983 (HARN)

124

92+49.78

90+00

LONG CREEK

95+00

Match Line - See Sheet 17

80

79

78

77

76

75

LEONARD STREET BRIDGE

Match Line - See Sheet 15

PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.L.W. = 0.00'

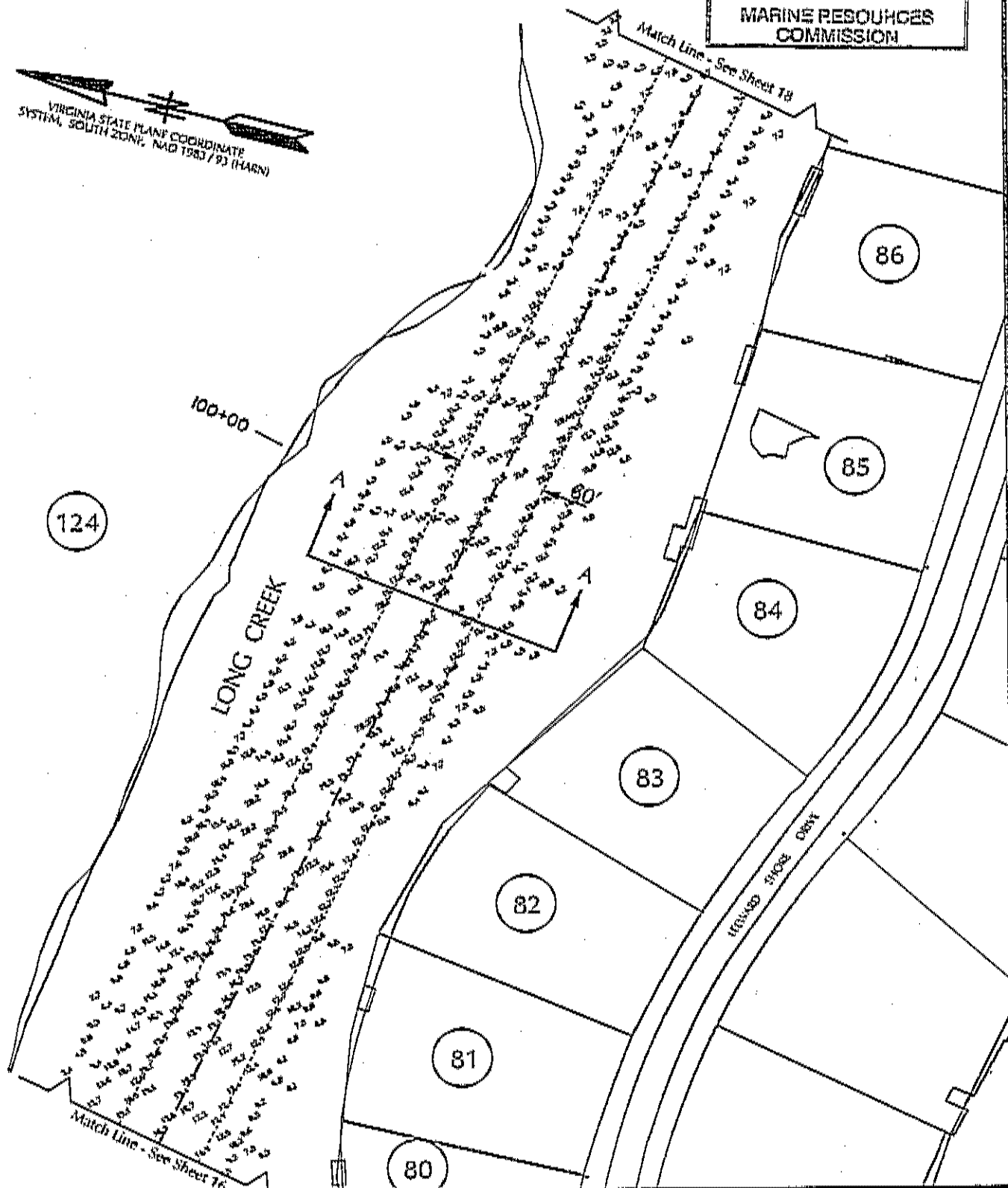
PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 16 OF 21
DATE: 12/7/2011

SCALE: 1" = 100'

MARINE RESOURCES
COMMISSION

VIRGINIA STATE PLANT COORDINATE
SYSTEM, SOUTH ZONE, NAD 1983 / 93 (HARN)



PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.L.W. = 0.00'

PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

SCALE: 1" = 100'

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 17 OF 21
DATE: 12/7/2011

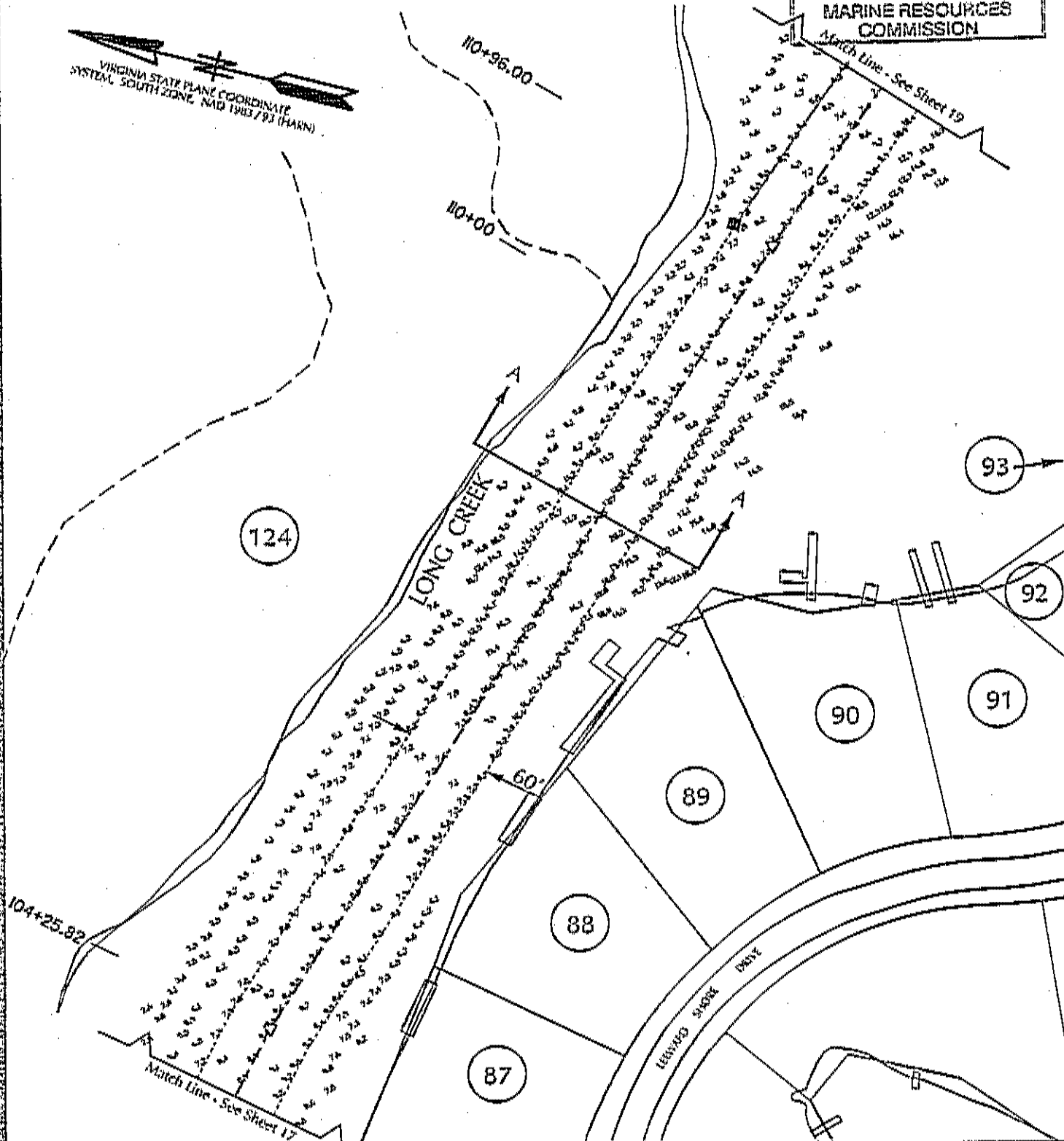
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MARINE RESOURCES
COMMISSION

VIRGINIA STATE PLANE COORDINATE
SYSTEM, SOUTH ZONE, NAD 1983/93 (HARN)



PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.L.W. = 0.00'

PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

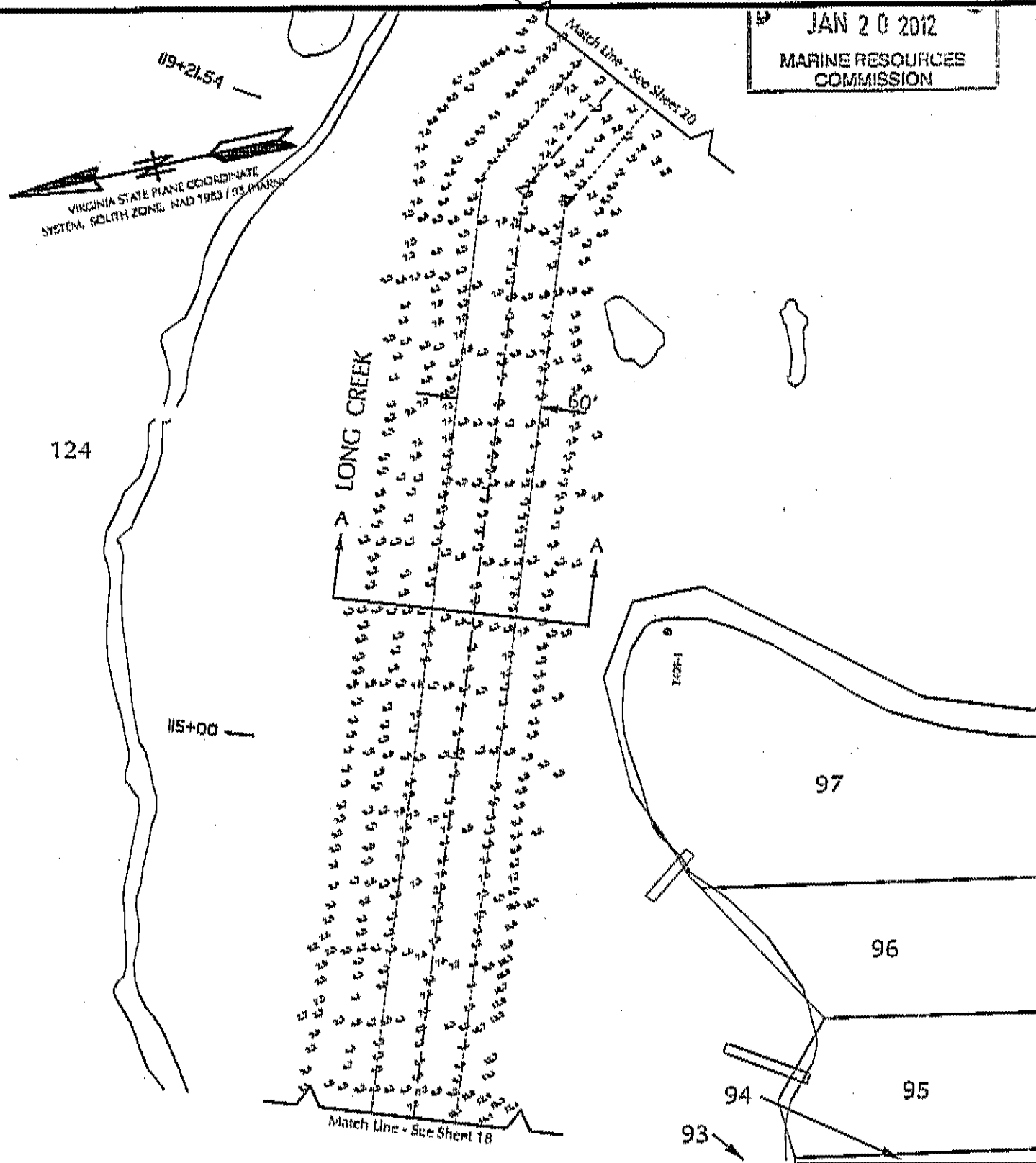
SCALE: 1" = 100'

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 18 OF 21
DATE: 12/7/2011

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MARINE RESOURCES
COMMISSION



PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.L.W. = 0.00'

PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 19 OF 21
DATE: 12/7/2011

SCALE: 1" = 100'

ADDITIONAL INFO
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MARINE RESOURCES
COMMISSION

VIRGINIA STATE PLANT COORDINATE
SYSTEM, NORTH ZONE, NAD 1983 / 93 (NAD83)

Match Line - See Sheet 21

99

98

125+39.75

125+00

124

LONG CREEK

60'

Match Line - See Sheet 19

PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.L.W. = 0.00'

PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 20 OF 21
DATE: 12/7/2011

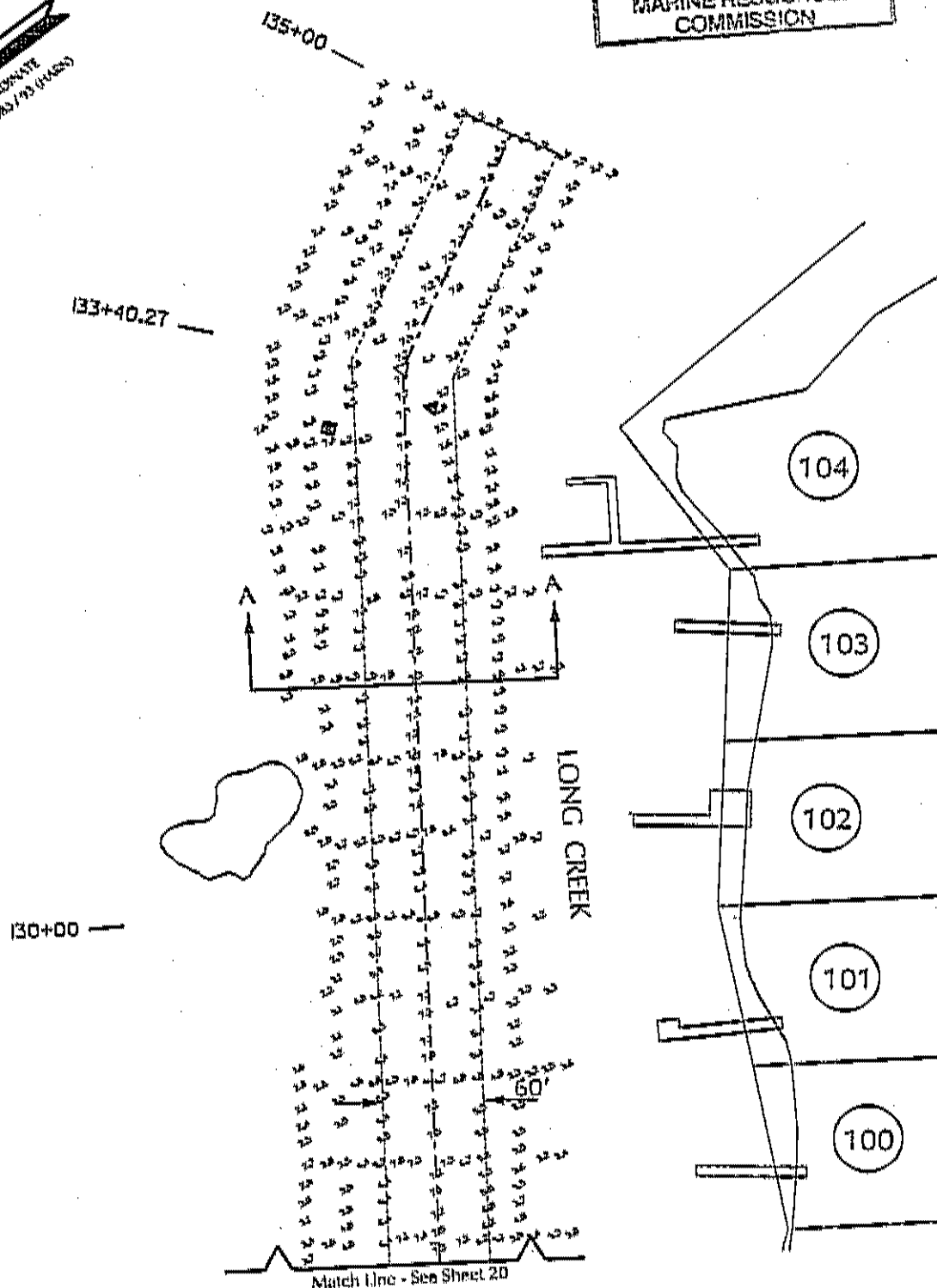
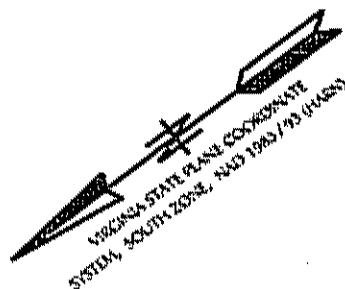
SCALE: 1" = 100'

ADDITIONAL INFO
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JAN 27 2012

MARINE RESOURCES
COMMISSION



PURPOSE: NAVIGATION
DATUM: N.O.S. M.L.L.W. = 0.00'

PLAN FOR
LONG CREEK PROPER DREDGING
CITY OF VIRGINIA BEACH
MUNICIPAL CENTER
VIRGINIA BEACH, VA
23456

MAINTENANCE DREDGING
AT: LONG CREEK PROPER
IN: VIRGINIA BEACH STATE: VIRGINIA
APPLICATION BY: CITY OF VIRGINIA BEACH
SHEET: 21 OF 21
DATE: 12/7/2011

SCALE: 1" = 100'