



US Army Corps
of Engineers®
New England District

PUBLIC NOTICE

Date: April 27, 2004

Comment Period Ends: May 27, 2004

File Number: NAE-2004-525

In Reply Refer To: Paul Sneeringer @ 978-318-8491

E-mail: paul.j.sneeringer@nae02usace.army.mil

Noddle Island Limited Partnership, 6 Faneuil Hall Marketplace, 5th Floor, Boston, Massachusetts 02109; has requested a Corps of Engineers permit under Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act to discharge dredged and/or fill material and to perform work in Boston Harbor associated with the redevelopment of the Clippership Wharf site. This project area is located adjacent to Lewis Street in East Boston, Massachusetts. This waterfront redevelopment project will create a mix of commercial and residential spaces. This project involves removing dilapidated waterfront structures, repairing and backfilling the existing granite seawall, constructing a fronting riprap revetment, and installing two water transportation docks (one 25-foot by 25-foot pier with a 4-foot by 48-foot ramp and a 10-foot by 160-foot float and one 10-foot by 72-foot pier with a 4-foot by 47.5-foot ramp and a 10-foot by 200-foot float) and two storm water outfalls. All totaled approximately 78,340 square feet of waters of the United States will be filled as part of this project. No dredging has been proposed as part of this project. This work is described on the enclosed drawings entitled "Clippership Wharf Redevelopment," on 24 sheets, and dated "March 2004".

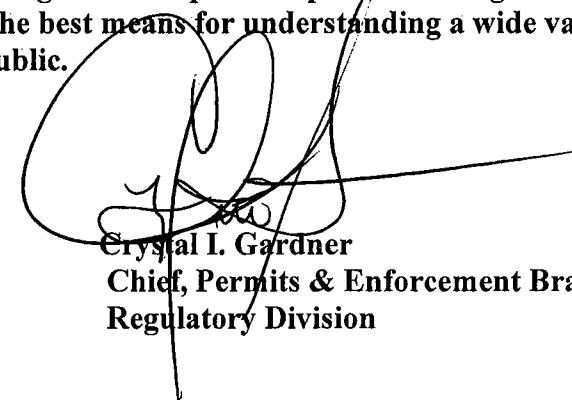
Essential Fish Habitat (EFH) has been designated within Boston Harbor for a total of 26 species of economically valuable marine fishery species. Listed species include Atlantic cod (*Gadus morhua*), winter flounder (*Pleuronectes americanus*), yellowtail flounder (*Pleuronectes ferruginea*), windowpane flounder (*Scophthalmus aquosus*), American plaice (*Hippoglossoides platessoides*), Atlantic butterfish (*Peprilus triacanthus*), and Atlantic mackerel (*Scomber scombrus*). The Clippership Wharf redevelopment project will impact EFH. However, the District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision.

This project is located on the USGS Boston South quadrangle sheet at 42°22'3.06" N, 71°02'32.32" W.

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. Comments should be submitted in writing by the above date. If you have any questions, please contact Paul Sneeringer at (978) 318-8491, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

**SEE NEXT PAGE FOR
DETAILS OF EVALUATION
FACTORS**



Crystal I. Gardner
Chief, Permits & Enforcement Branch
Regulatory Division

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972 as amended.

Based on his initial review, the District Engineer has determined that the proposed work may impact properties listed in, or eligible for listing in, the National Register of Historic Places. Additional review and consultation to fulfill requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

Pursuant to the Endangered Species Act, the District Engineer is hereby requesting that the appropriate Federal Agency provide comments regarding the presence of and potential impacts to listed species or its critical habitat.

The following authorizations have been applied for, or have been, or will be obtained:

- (XX) Permit, License or Assent from State.
- (XX) Permit from Local Wetland Agency or Conservation Commission.
- (XX) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

The States of Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island have approved Coastal Zone Management Programs. Where applicable the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. By this Public Notice, we are requesting the State concurrence or objection to the applicant's consistency statement.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

If you would prefer not to continue receiving Public Notices, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here () and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: _____
ADDRESS: _____

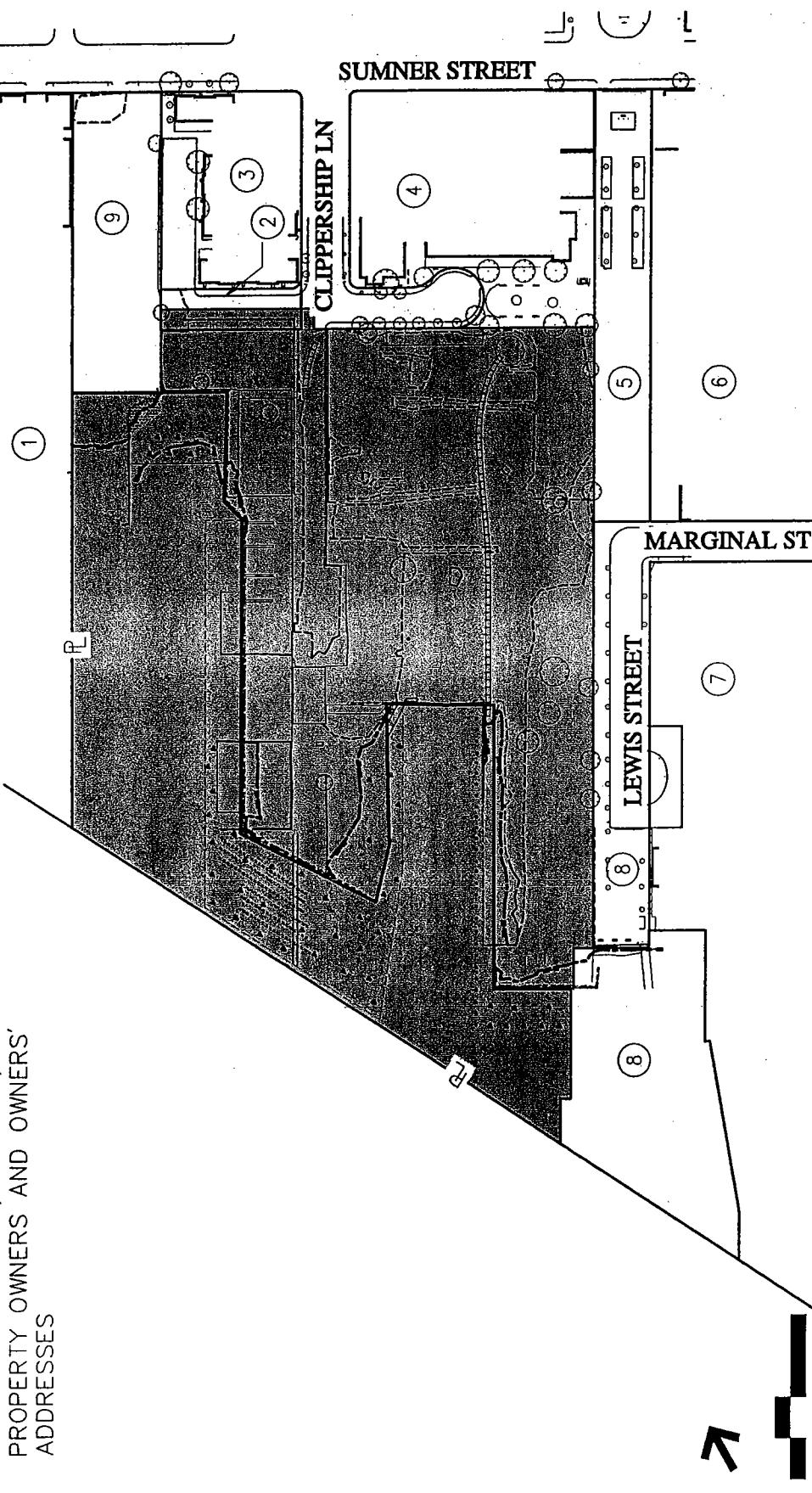
SHEET

TITLE

- | | |
|-------|-------------------------------|
| 1 | Locus Plan |
| 2 | Drawing Index |
| 3 | Abutters Plan |
| 4 | Abutters List |
| 5 | Demolition Plan |
| 6 | Existing Conditions Key Sheet |
| 7 | Proposed Conditions Key Sheet |
| 8 | Existing Conditions Plan |
| 9 | Existing Conditions Plan |
| 10 | Existing Conditions Plan |
| 11 | Proposed Conditions Plan |
| 12 | Proposed Conditions Plan |
| 13 | Proposed Conditions Plan |
| 14-21 | Section |
| 22 | Proposed Outfall 1 |
| 23 | Proposed Outfall 2 |
| 24 | Details |

		Drawing Index	NAE-2004-525	DATE	March, 2004
		APPLICATION BY:	Noddle Island Partnership	SHEET	OF
 <i>Vanasse Hangen Brustlin, Inc.</i>		AT: ClipperShip Wharf Redevelopment IN: East Boston 101 Walnut Street, P.O. Box 9151 Watertown, MA 02471 617.924.1770 - FAX 617.924.2286 Commonwealth of Massachusetts		2	24

NOTE:
SEE ABUTTERS LIST, SHEET 4, FOR
PROPERTY OWNERS AND OWNERS'
ADDRESSES



Abutters Plan		NAE- 0004 - 525	Date
AT: Clippership Wharf Redevelopment IN: East Boston Suffolk County Commonwealth of Massachusetts	APPLICATION BY: Noddle Island Partnership	SHEET OF 3 24	March, 2004

VHB
Vanasse Hangen Brustlin, Inc.

ABUTTERS LIST

- | | |
|--|--|
| (1) BOILER WORKS LLC
12 MARSHALL STREET
BOSTON, MA 02108 | (6) BOSTON HOUSING AUTHORITY
52 CHAUNCY STREET
BOSTON, MA 02111-2375 |
| (2) BOSTON HOUSING AUTHORITY
52 CHAUNCY STREET
BOSTON, MA 02111-2375 | (7) COMMONWEALTH OF MASSACHUSETTS
C/O MASSACHUSETTS PORT AUTHORITY
LOGAN OFFICE CENTER
ONE HARBORSIDE DRIVE, SUITE 200-S
EAST BOSTON, MA 02128 |
| (3) BOSTON HOUSING AUTHORITY
52 CHAUNCY STREET
BOSTON, MA 02111-2375 | (8) CITY OF BOSTON
PUBLIC WORKS DEPARTMENT
CITY HALL PLAZA
BOSTON, MA 02201 |
| (4) BOSTON HOUSING AUTHORITY
52 CHAUNCY STREET
BOSTON, MA 02111-2375 | (9) TRINITY EAST BOSTON TWO
LIMITED PARTNERSHIP
40 COURT STREET, SUITE 550
BOSTON, MA 01108 |
| (5) BOSTON HOUSING AUTHORITY
52 CHAUNCY STREET
BOSTON, MA 02111-2375 | |

SOURCE: CITY OF BOSTON ASSESSORS OFFICE, FEBRUARY 12, 2004

Abutters List		DATE
NAME	ADDRESS	DATE
VHB <i>Vanasse Hangen Brustlin, Inc.</i>	Transportation Land Development Environmental Services 101 Walnut Street, P.O. Box 9151 Watertown, MA 02471 617 924-1770 • FAX 617 924-2286	March 2004

AT: ClipperShip Wharf Redevelopment In: East Boston Suffolk County Commonwealth of Massachusetts	APPLICATION BY: Noddle Island Partnership
SHEET 4	OF 24

NOTES:

1. PILES TO BE REMOVED BY PULLING UP, EXCEPT WITHIN 30' OF SEAWALL. WITHIN 30' OF SEAWALL PILES WILL BE CUT AT THE MUD LINE AND REMOVED.
2. REMOVE ALL TIMBER DECKING AND SUBSTRUCTURE, PAVEMENT, CONCRETE, FLOORING, AND OTHER EXISTING MATERIALS.

CUT EXISTING
TIMBER WALL TO
UPPER MUD LINE

REMOVE EXISTING
TIMBER WHARF AND
PILE

REMOVE EXISTING TIMBER
WHARVES AND PILES

REMOVE EXISTING PILES

CLEAN DEBRIS, TIRES,
TIMBER, TRASH, ETC.
FROM BEACH AREA

CLIPPERSHIP LN

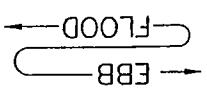
SUMNER STREET

MARGINAL ST

LEWIS STREET

REMOVE EXISTING TIMBER
RELIEVING PLATFORM

BOSTON HARBOR



0 100 200 Feet

Transportation
Land Development
Environmental Services

AT: ClipperShip Wharf Redevelopment
IN: East Boston
Watertown, MA 02471
617-924-1770 - FAX 617-924-2286

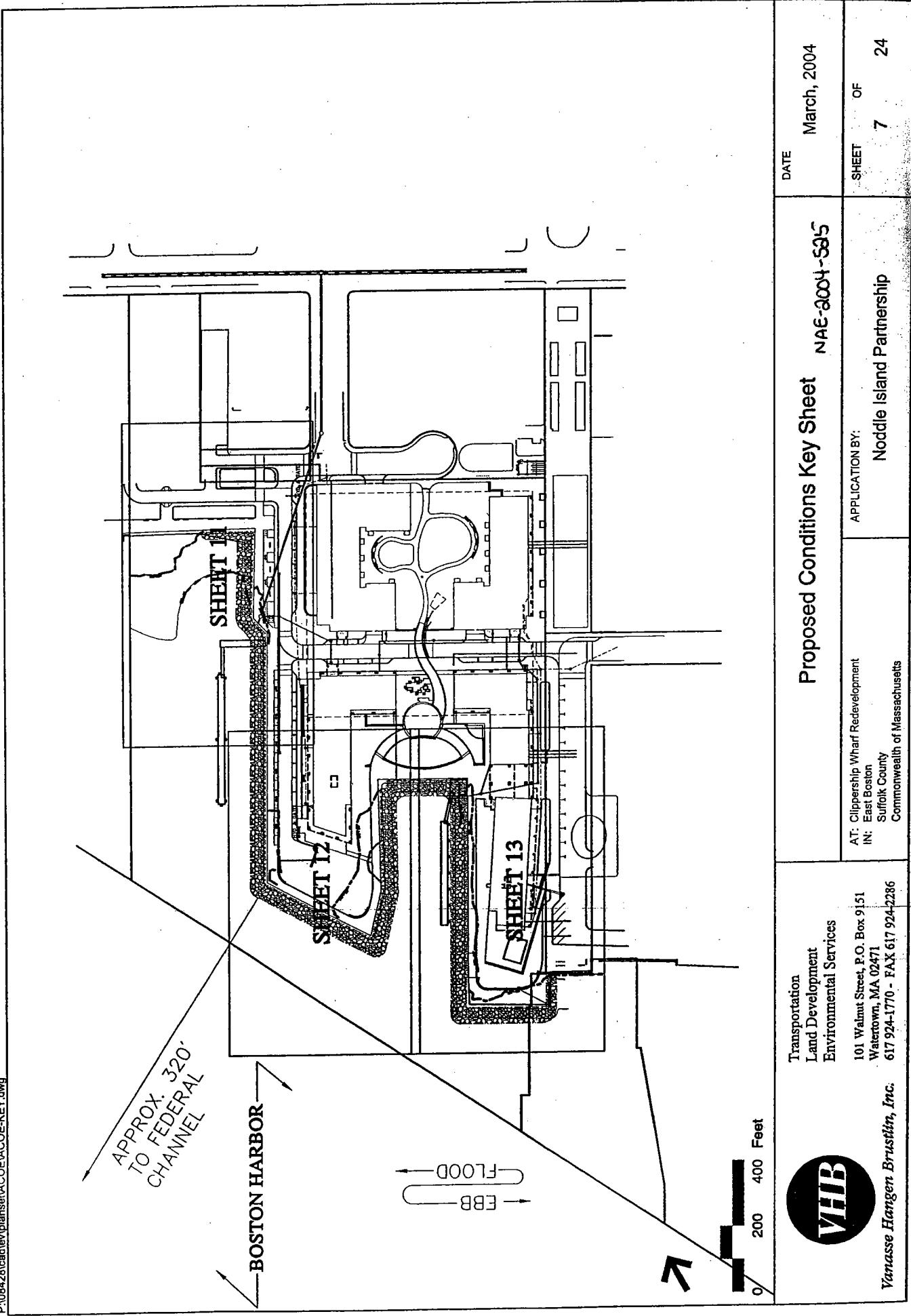
Demolition Plan NAE-2004-525
DATE March, 2004

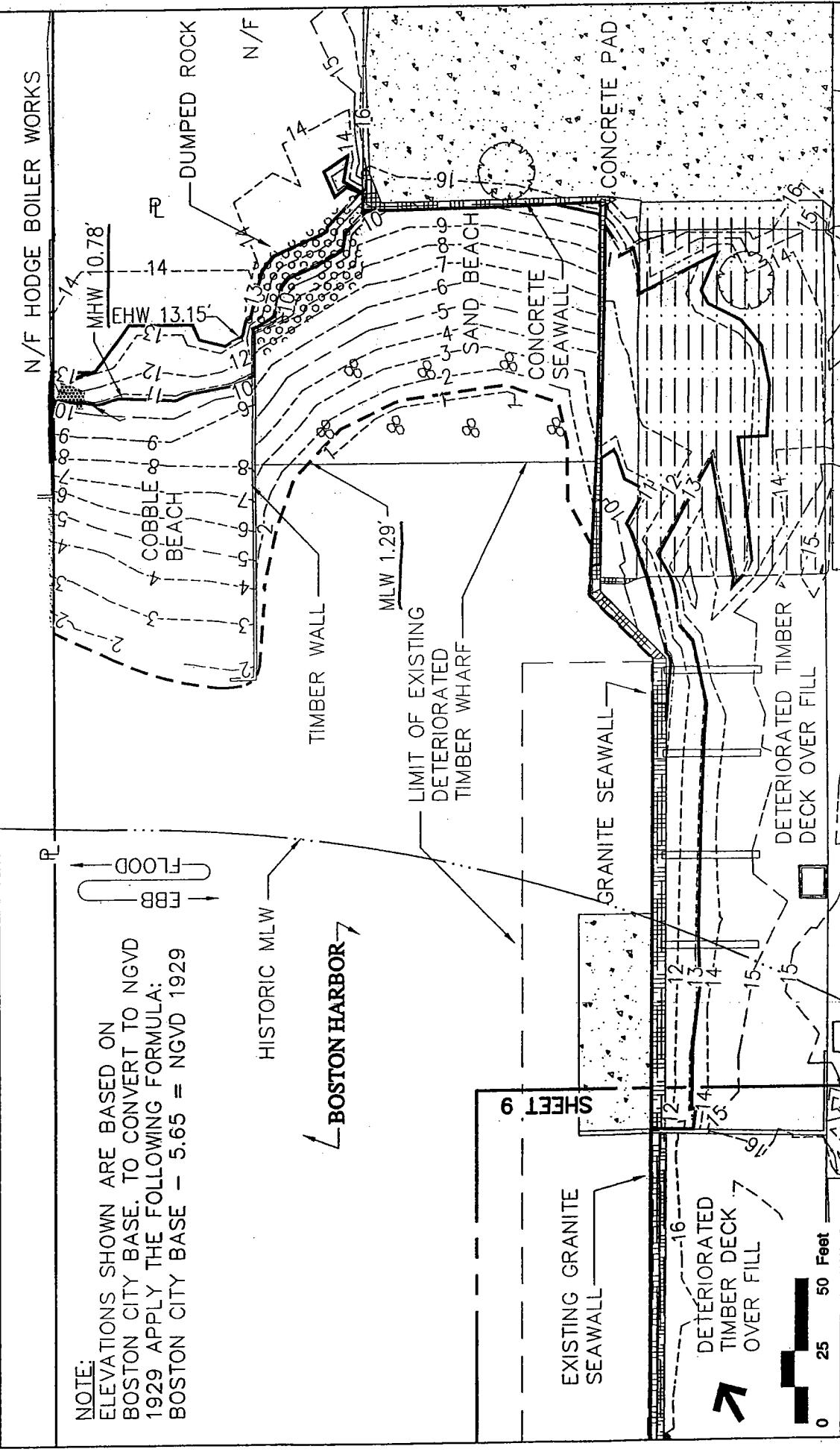
APPLICATION BY:

Noddle Island Partnership
Commonwealth of Massachusetts

SHEET OF
5 24

<p>SHEET 8</p> <p>SHEET 9</p> <p>SHEET 10</p> <p>APPROX. 235' TO FEDERAL CHANNEL</p> <p>BOSTON HARBOR</p> <p>EBB</p> <p>FLOOD</p> <p>0 100 200 Feet</p>		<p>Existing Conditions Key Sheet NACe-2004-Sa5</p> <p>Transportation Land Development Environmental Services</p> <p>AT: ClipperShip Wharf Redevelopment IN: East Boston Suffolk County Commonwealth of Massachusetts</p> <p>APPLICATION BY: Noddle Island Partnership</p> <p>VHB</p> <p>Vanasse Hangen Brustlin, Inc.</p>	<p>DATE March, 2004</p> <p>SHEET 6 24</p>
--	--	---	--





NAE-2004-525	March, 2004
APPLICATION BY: Noddle Island Partnership	DATE March, 2004
AT: Clippership Wharf Redevelopment IN: East Boston Suffolk County Commonwealth of Massachusetts	SHEET 8 OF 24

VHB
Land Development
Environmental Services

101 Walnut Street, P.O. Box 9151
Watertown, MA 02471
617.924.1770 - FAX 617.924.2286

Vanasse Hangen Brustlin, Inc.

P:\108428\caddev\planset\ACOE\ACOE-PLAN.dwg

NOTE: ELEVATIONS SHOWN ARE BASED ON BOSTON CITY BASE. TO CONVERT TO NGVD 1929 APPLY THE FOLLOWING FORMULA: BOSTON CITY BASE - 5.65 = NGVD 1929

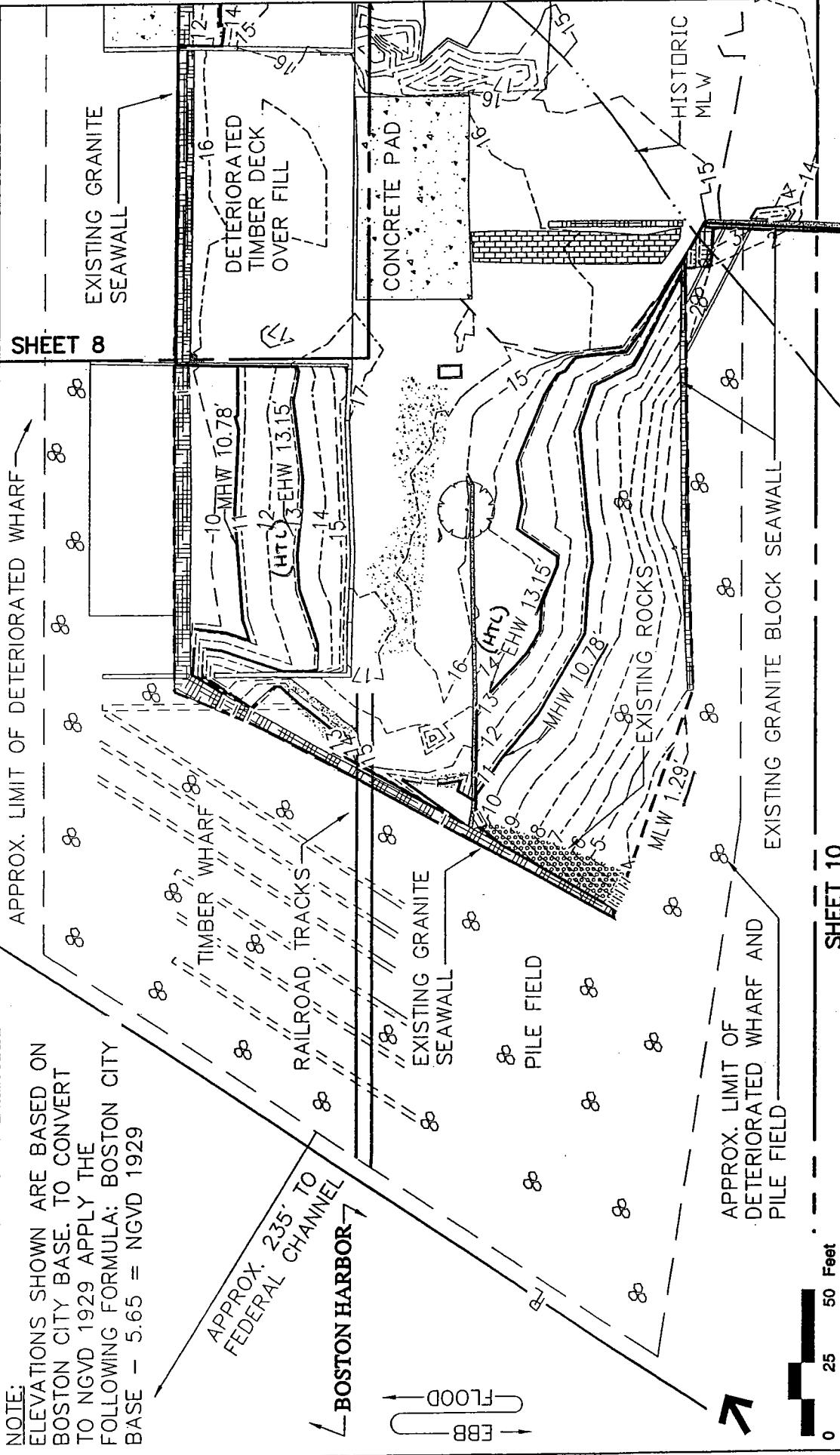
**EXISTING GRANITE
SEA WALL**

SHEET 8

CHAN
BOSTON HARBOR→

→ FLOOD
← EBB

NOTE



DATE	March, 2004	
	SHEET	OF
APPLICATION BY:	Noddle Island Partnership	9
AT: ClipperShip Wharf Redevelopment IN: East Boston Suffolk County Commonwealth of Massachusetts		
Existing Conditions NAE-2004-525		

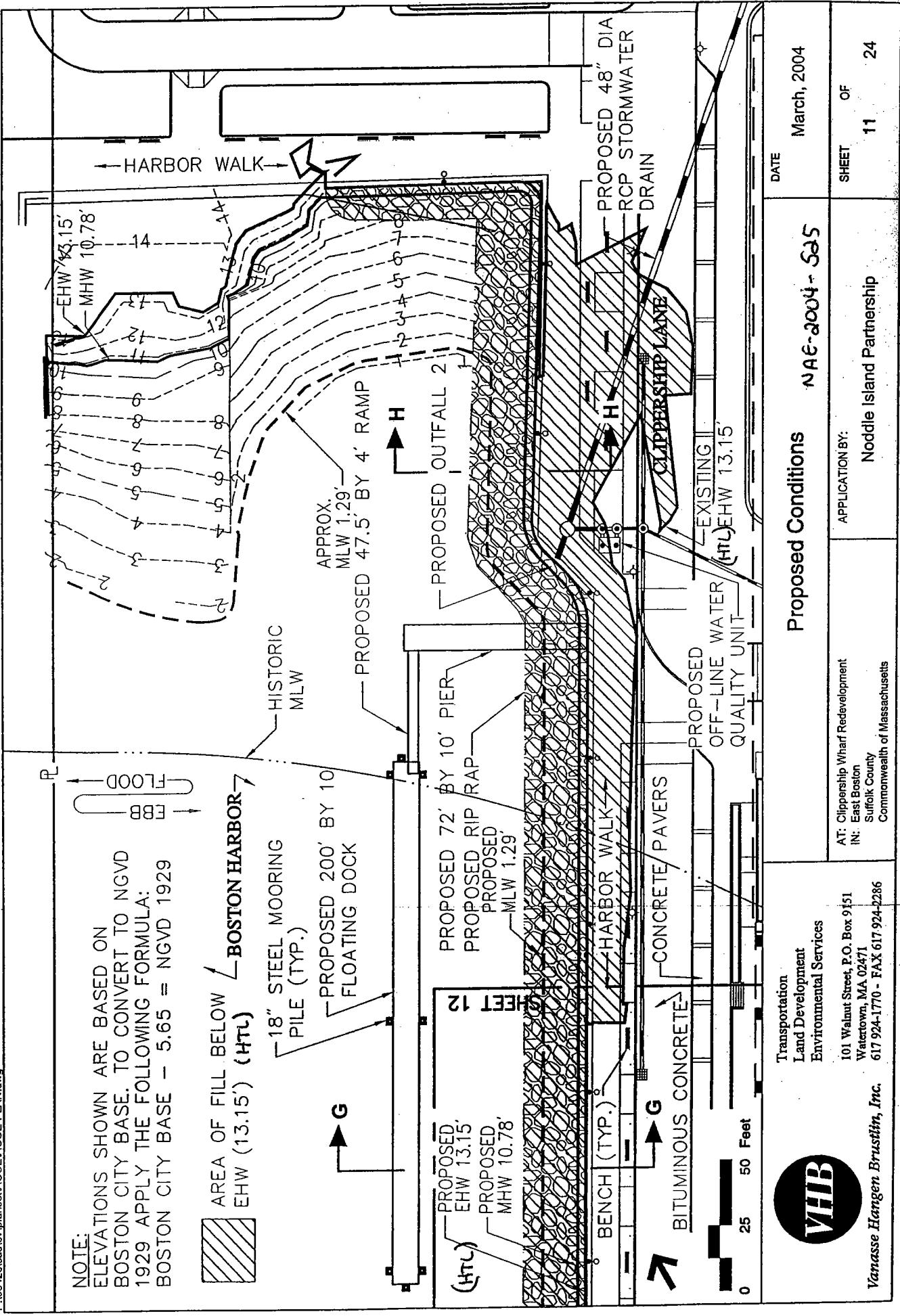
Transportation
Land Development
Environmental Services

AT: ClipperShip Wharf Redevelopment
N: East Boston
S: Suffolk County
Commonwealth of Massachusetts

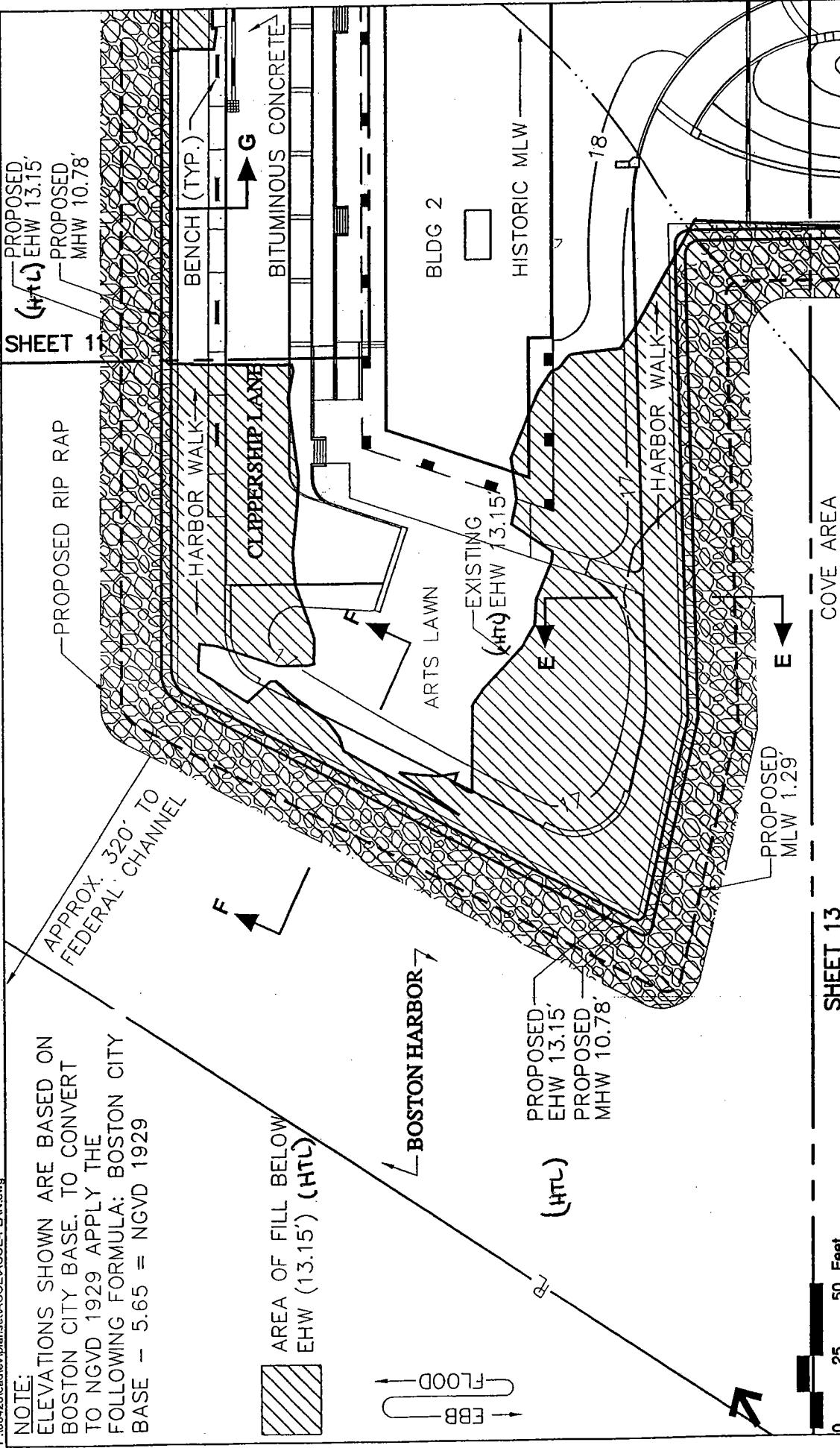
101 Walnut Street, P.O. Box 9151
Watertown, MA 02471
617 924-1770 - FAX 617 924-2286

Hangen Bry

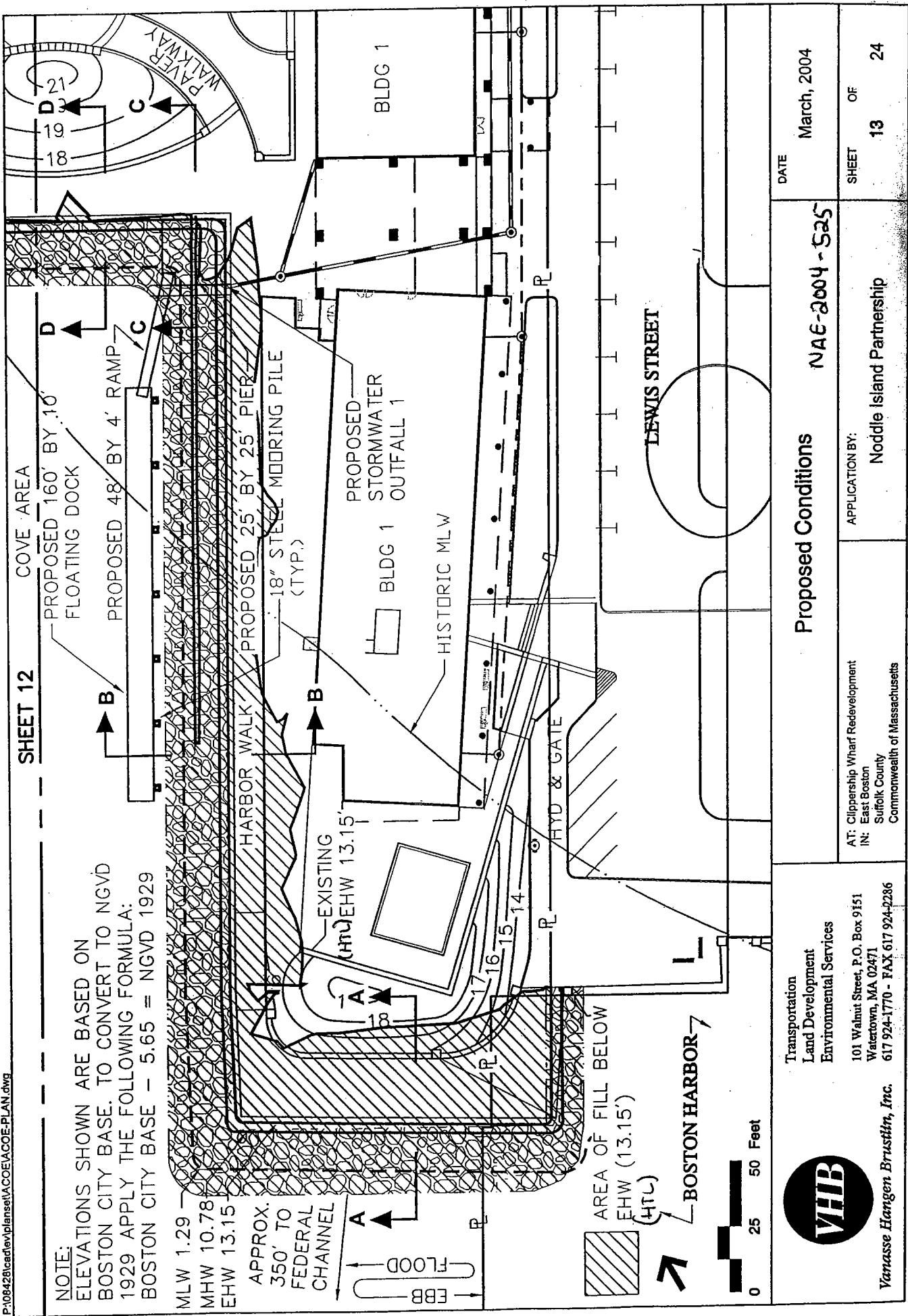
Vanasse Hangen Brustlin, Inc.



NOTE:
ELEVATIONS SHOWN ARE BASED ON
BOSTON CITY BASE. TO CONVERT
TO NGVD 1929 APPLY THE
FOLLOWING FORMULA: BOSTON CITY
BASE - 5.65 = NGVD 1929



Proposed Conditions		NAE - 2004 - 525	
		March, 2004	
AT: Clipper Wharf Redevelopment IN: East Boston Suffolk County Commonwealth of Massachusetts	APPLICATION BY: Vannasse Hangen Brustlin, Inc.	SHEET	OF
101 Walnut Street, P.O. Box 9151 Watertown, MA 02471 617.924.1770 - FAX 617.924.2286		12	24



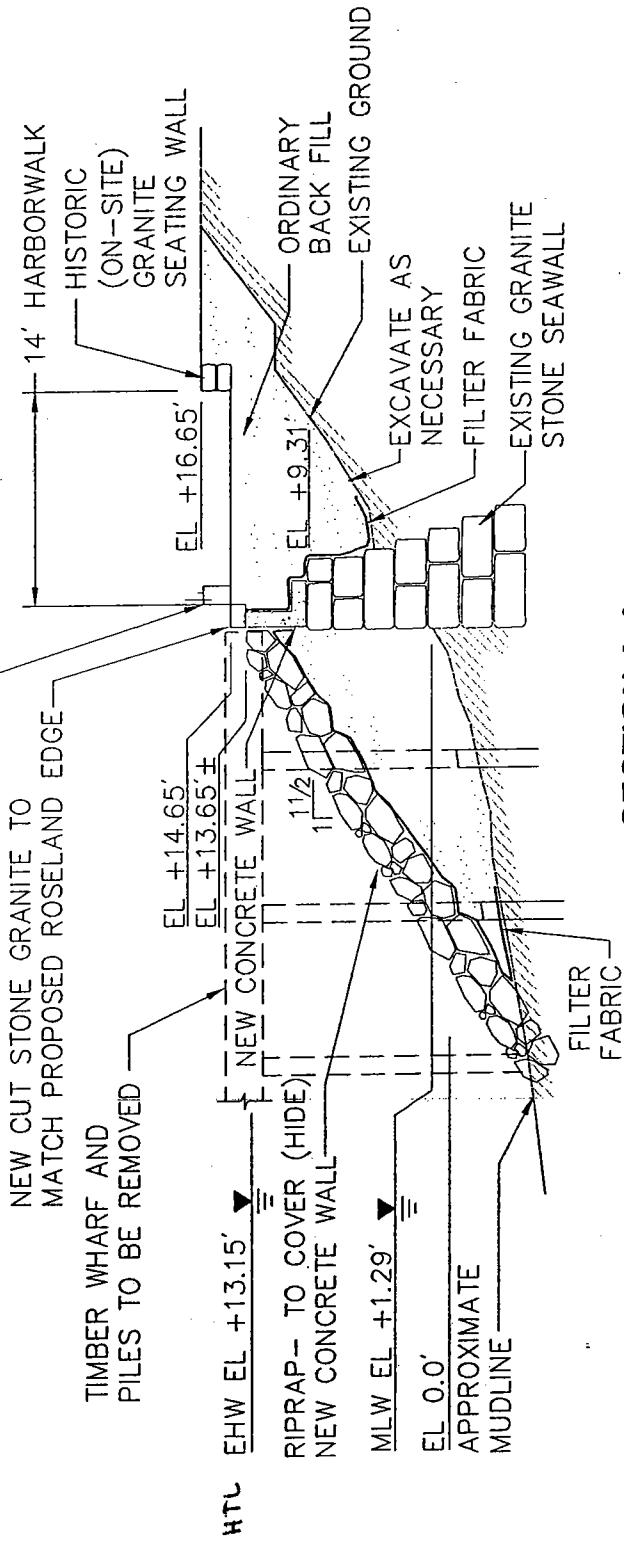
NOTE:

1. RIPRAP STONE SHALL BE 1000# TO 1500# STONE, MINIMUM 2 LAYERS THICK.
2. QUARRY RUN STONE MAY INCLUDE REUSED MATERIAL FROM SITE CONSISTING OF GRANITE, COBBLES, CLEAN BRICK & CHINK STONE WHICH IS CLEAN, SOUND AND DURABLE.
3. ELEVATIONS SHOWN ARE BASED ON BOSTON CITY BASE. TO CONVERT TO NGVD 1929 APPLY THE FOLLOWING FORMULA: BOSTON CITY BASE - 5.65 = NGVD 1929

INSTALL EROSION CONTROLS AFTER SITE IS FILLED

NEW CUT STONE GRANITE TO MATCH PROPOSED ROSELAND EDGE

TIMBER WHARF AND PILES TO BE REMOVED

SECTION A-A

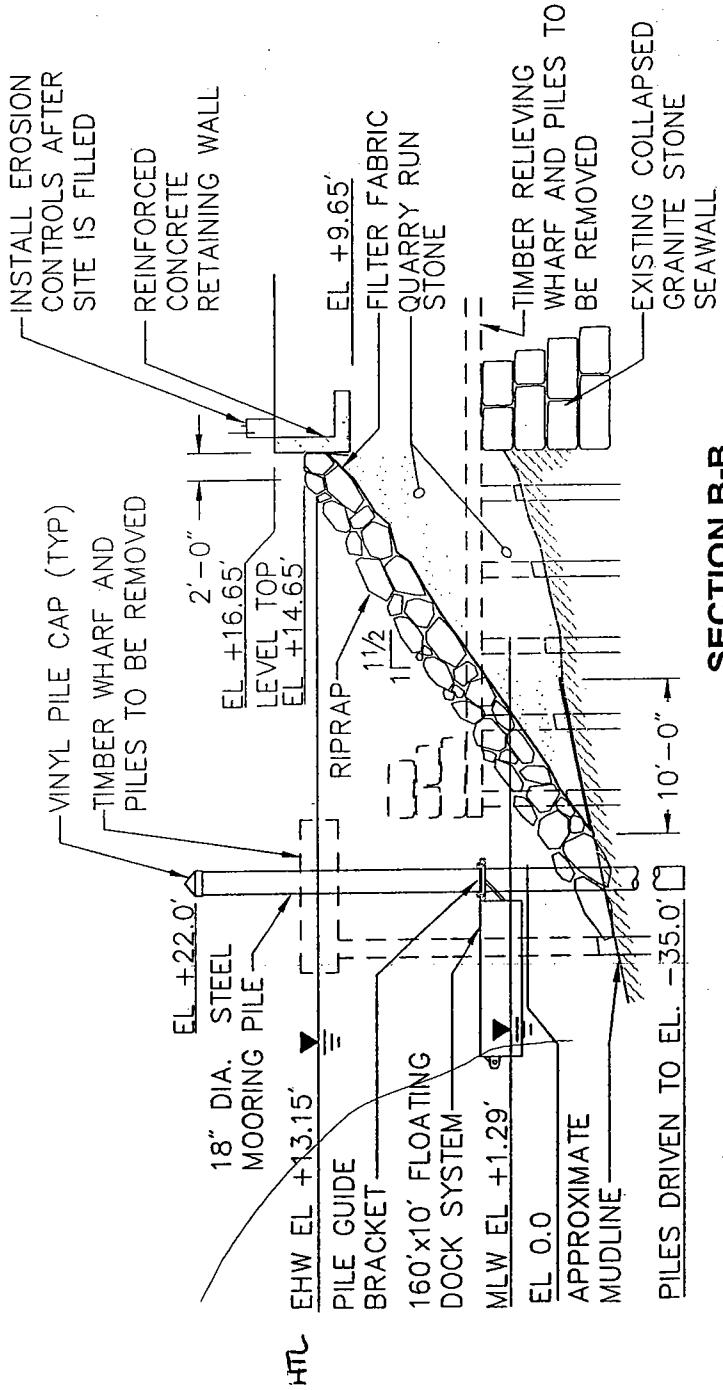
N.T.S.

VHB
Transportation
Land Development
Environmental Services

AT: ClipperShip Wharf Redevelopment
IN: East Boston
Watertown, MA 02471
617 924-1770 - FAX 617 924-2286

Vanasse Hangen Brustlin, Inc.

Section	APPLICATION BY:	DATE
NAE-2004-525	Noddle Island Partnership	March, 2004



SECTION B-B

N.T.S.

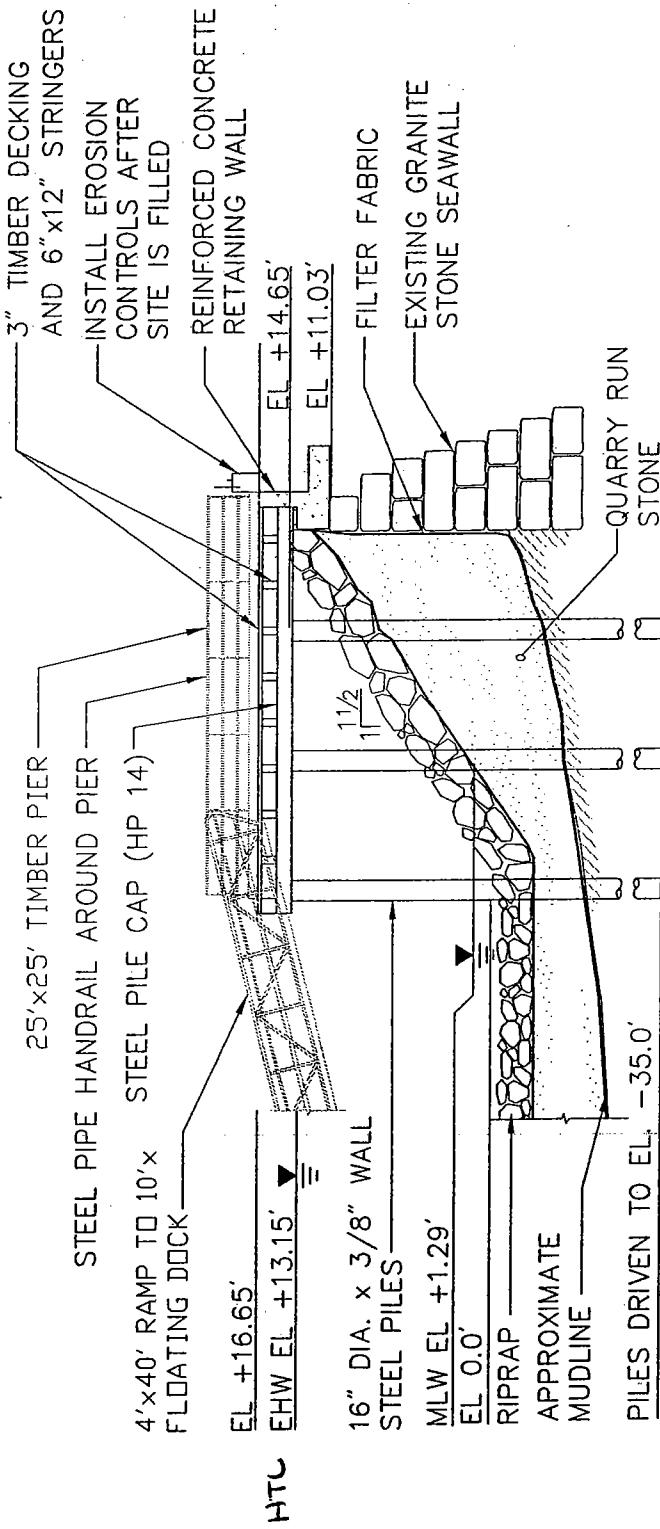
NOTE:

1. RIPRAP STONE SHALL BE 1000# TO 1500# STONE, MINIMUM 2 LAYERS THICK.
2. QUARRY RUN STONE MAY INCLUDE REUSED MATERIAL FROM SITE CONSISTING OF GRANITE, COBBLES, CLEAN BRICK & CHINK STONE WHICH IS CLEAN, SOUND AND DURABLE.
3. ELEVATIONS SHOWN ARE BASED ON BOSTON CITY BASE. TO CONVERT TO NGVD 1929 APPLY THE FOLLOWING FORMULA: BOSTON CITY BASE - 5.65 = NGVD 1929

Section	Section	DATE
VHB Transportation Land Development Environmental Services 101 Walnut Street, P.O. Box 9151 Watertown, MA 02471 617.924.1770 • FAX 617.924.2286 Vanasse Hangen Brustlin, Inc.	NAE - 2004 - 525 AT: ClipperShip Wharf Redevelopment IN: East Boston Suffolk County Commonwealth of Massachusetts Noddle Island Partnership	March, 2004
	SHEET OF	15 24

NOTE:

1. RIPRAP STONE SHALL BE 1000# TO 1500# STONE, MINIMUM 2 LAYERS THICK.
2. QUARRY RUN STONE MAY INCLUDE REUSED MATERIAL FROM SITE CONSISTING OF GRANITE, COBBLES, CLEAN BRICK & CHINK STONE WHICH IS CLEAN, SOUND AND DURABLE.
3. ELEVATIONS SHOWN ARE BASED ON BOSTON CITY BASE. TO CONVERT TO NGVD 1929 APPLY THE FOLLOWING FORMULA:
BOSTON CITY BASE - 5.65 = NGVD 1929

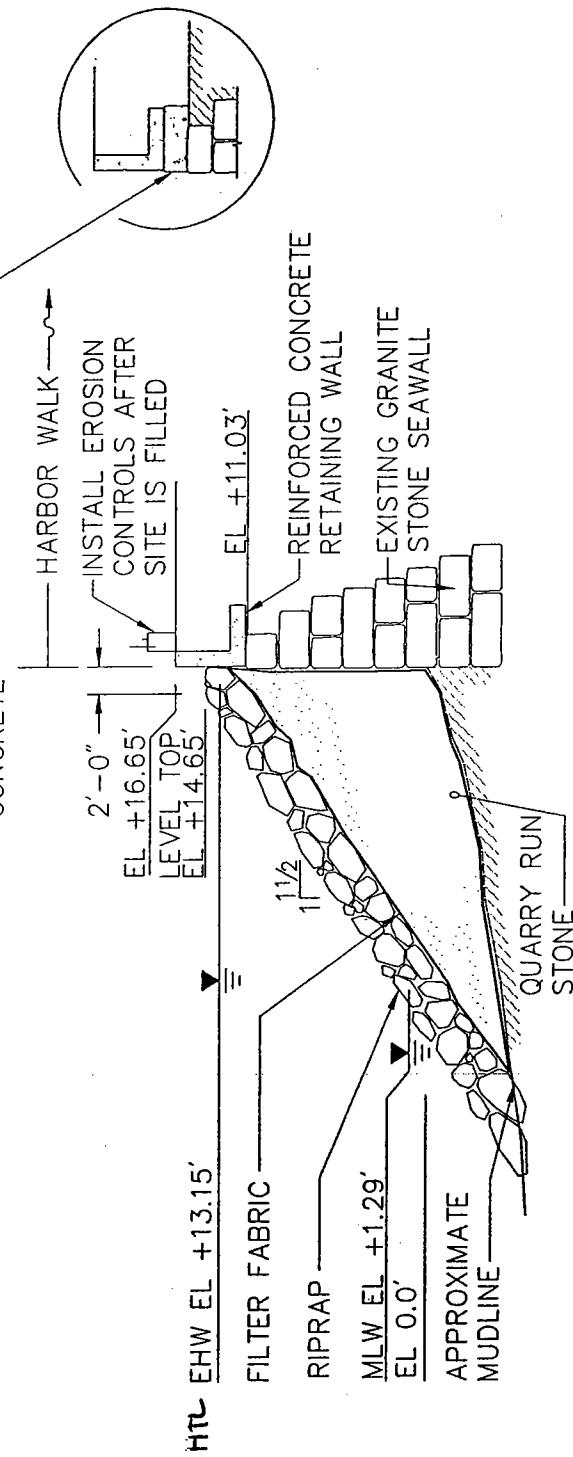
**SECTION C-C**

N.T.S.



Transportation Land Development Environmental Services 101 Walnut Street, P.O. Box 9151 Watertown, MA 02471 617 924-1770 - FAX 617 924-2286 Vanasse Hangen Brustlin, Inc.	Section NAAE-8004-525	DATE March, 2004
AT: ClipperShip Wharf Redevelopment IN: East Boston Suffolk County Commonwealth of Massachusetts	APPLICATION BY: Noddle Island Partnership	SHEET OF 16 24

IF PRECAST REINFORCED WALL UNITS
ARE USED CONTRACTOR SHALL PLACE
A LEVELING COURSE OF 1500 PSI
CONCRETE



NOTE:

1. RIPRAP STONE SHALL BE 1000# TO 1500# STONE, MINIMUM 2 LAYERS THICK.
2. QUARRY RUN STONE MAY INCLUDE REUSED MATERIAL FROM SITE CONSISTING OF GRANITE, COBBLES, CLEAN BRICK & CHINK STONE WHICH IS CLEAN, SOUND AND DURABLE.
3. ELEVATIONS SHOWN ARE BASED ON BOSTON CITY BASE. TO CONVERT TO NGVD 1929 APPLY THE FOLLOWING FORMULA: BOSTON CITY BASE - 5.65 = NGVD 1929

SECTION D-D

N.T.S.

Section	Section	Date
NAE - 3004- 525	NAE - 3004- 525	March, 2004

VHB

Transportation
Land Development
Environmental Services

AT: Clipperstreet Wharf Redevelopment
101 Walnut Street, P.O. Box 9151
Watertown, MA 02471
617 924-1770 - FAX 617 924-2286

IN: East Boston
Suffolk County
Commonwealth of Massachusetts

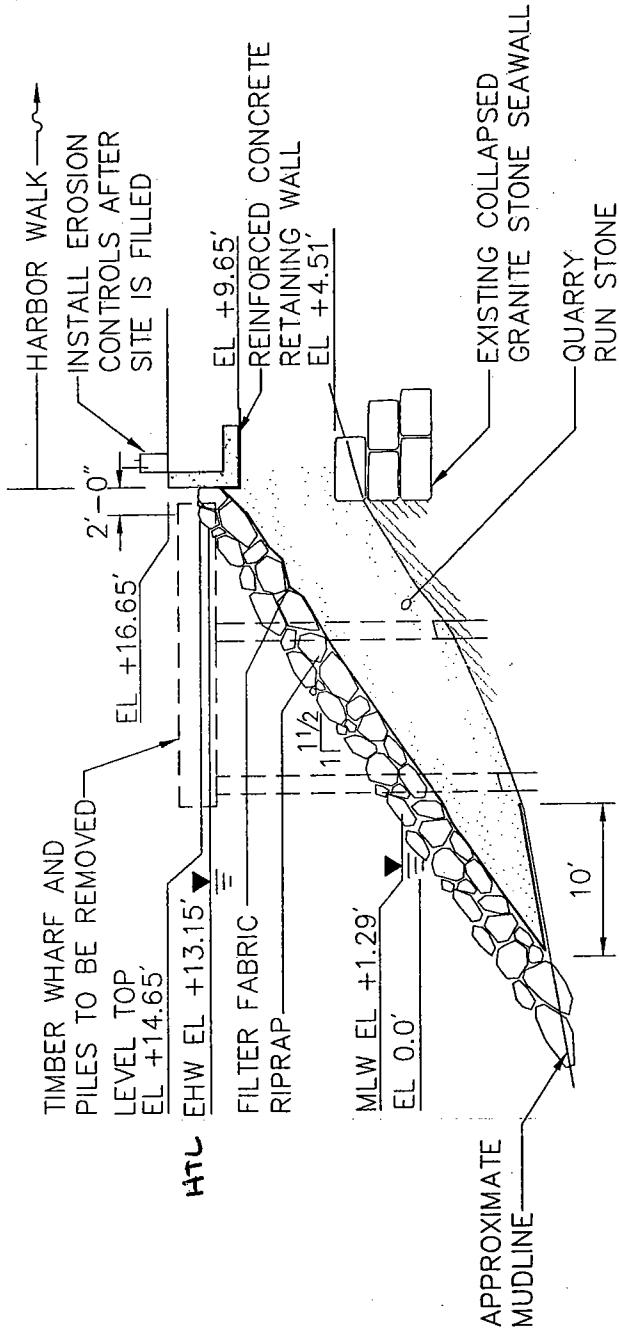
APPLICATION BY:

Noddle Island Partnership

SHEET OF
17 24

NOTE:

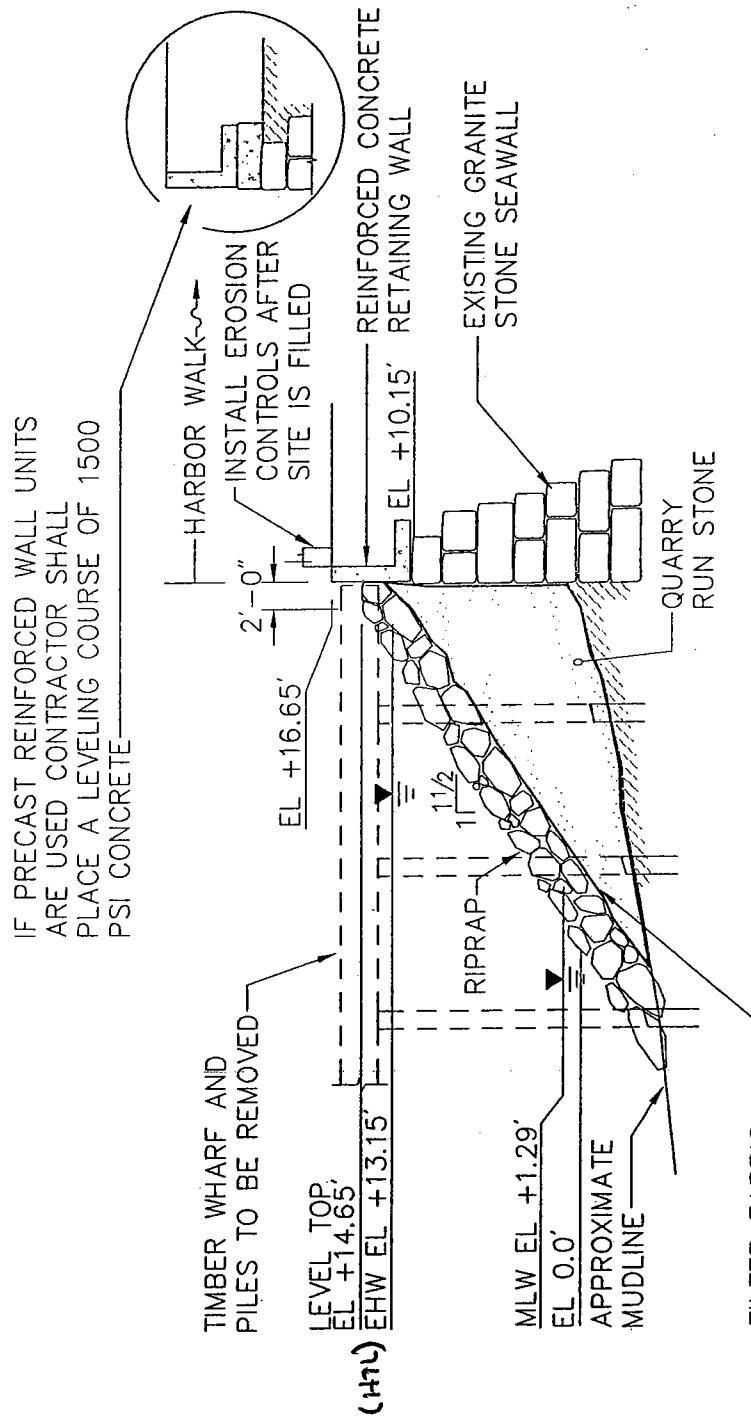
1. RIPRAP STONE SHALL BE 1000# TO 1500# STONE, MINIMUM 2 LAYERS THICK.
2. QUARRY RUN STONE MAY INCLUDE REUSED MATERIAL FROM SITE CONSISTING OF GRANITE, COBBLES, CLEAN BRICK & CHINK STONE WHICH IS CLEAN, SOUND AND DURABLE.
3. ELEVATIONS SHOWN ARE BASED ON BOSTON CITY BASE. TO CONVERT TO NGVD 1929 APPLY THE FOLLOWING FORMULA: BOSTON CITY BASE - 5.65 = NGVD 1929

**SECTION E-E**

N.T.S.



Section	Section	Date
NAE - 2004 - 5a5		March, 2004
Transportation Land Development Environmental Services	APPLICATION BY: Noddle Island Partnership	
101 Walnut Street, P.O. Box 9151 Watertown, MA 02471 617 924-1770 - FAX 617 924-2286	SHEET OF 18 24	



SECTION F-F

N.T.S.

NOTE:

1. RIPRAP STONE SHALL BE 1000# TO 1500# STONE, MINIMUM 2 LAYERS THICK.
2. QUARRY RUN STONE MAY INCLUDE REUSED MATERIAL FROM SITE CONSISTING OF GRANITE, COBBLES, CLEAN BRICK & CHINK STONE WHICH IS CLEAN, SOUND AND DURABLE.
3. ELEVATIONS SHOWN ARE BASED ON BOSTON CITY BASE. TO CONVERT TO NGVD 1929 APPLY THE FOLLOWING FORMULA: BOSTON CITY BASE - 5.65 = NGVD 1929



Transportation
Land Development
Environmental Services

At: ClipperShip Wharf Redevelopment
Watertown, MA 02471
IN: East Boston
Suffolk County
Commonwealth of Massachusetts
617 924-1770 - FAX 617 924-2286

Section

DATE

March, 2004

OF

19 24

SHEET

1 1

2 2

3 3

4 4

5 5

6 6

7 7

8 8

9 9

10 10

11 11

12 12

13 13

14 14

15 15

16 16

17 17

18 18

19 19

20 20

21 21

22 22

23 23

24 24

25 25

26 26

27 27

28 28

29 29

30 30

31 31

32 32

33 33

34 34

35 35

36 36

37 37

38 38

39 39

40 40

41 41

42 42

43 43

44 44

45 45

46 46

47 47

48 48

49 49

50 50

51 51

52 52

53 53

54 54

55 55

56 56

57 57

58 58

59 59

60 60

61 61

62 62

63 63

64 64

65 65

66 66

67 67

68 68

69 69

70 70

71 71

72 72

73 73

74 74

75 75

76 76

77 77

78 78

79 79

80 80

81 81

82 82

83 83

84 84

85 85

86 86

87 87

88 88

89 89

90 90

91 91

92 92

93 93

94 94

95 95

96 96

97 97

98 98

99 99

100 100

101 101

102 102

103 103

104 104

105 105

106 106

107 107

108 108

109 109

110 110

111 111

112 112

113 113

114 114

115 115

116 116

117 117

118 118

119 119

120 120

121 121

122 122

123 123

124 124

125 125

126 126

127 127

128 128

129 129

130 130

131 131

132 132

133 133

134 134

135 135

136 136

137 137

138 138

139 139

140 140

141 141

142 142

143 143

144 144

145 145

146 146

147 147

148 148

149 149

150 150

151 151

152 152

153 153

154 154

155 155

156 156

157 157

158 158

159 159

160 160

161 161

162 162

163 163

164 164

165 165

166 166

167 167

168 168

169 169

170 170

171 171

172 172

173 173

174 174

175 175

176 176

177 177

178 178

179 179

180 180

181 181

182 182

183 183

184 184

185 185

186 186

187 187

188 188

189 189

190 190

191 191

192 192

193 193

194 194

195 195

196 196

197 197

198 198

199 199

200 200

201 201

202 202

203 203

204 204

205 205

206 206

207 207

208 208

209 209

210 210

211 211

212 212

213 213

214 214

215 215

216 216

217 217

218 218

219 219

220 220

221 221

222 222

223 223

224 224

225 225

226 226

227 227

228 228

229 229

230 230

231 231

232 232

233 233

234 234

235 235

236 236

237 237

238 238

239 239

240 240

241 241

242 242

243 243

244 244

245 245

246 246

247 247

248 248

249 249

250 250

251 251

252 252

253

NOTE:

1. RIPRAP STONE SHALL BE 1000# TO 1500# STONE, MINIMUM 2 LAYERS THICK.
2. QUARRY RUN STONE MAY INCLUDE REUSED MATERIAL FROM SITE CONSISTING OF GRANITE, COBBLES, CLEAN BRICK & CHINK STONE WHICH IS CLEAN, SOUND AND DURABLE.
3. ELEVATIONS SHOWN ARE BASED ON BOSTON CITY BASE. TO CONVERT TO NGVD 1929 APPLY THE FOLLOWING FORMULA: BOSTON CITY BASE - 5.65 = NGVD 1929

INSTALL EROSION CONTROLS

AFTER SITE IS FILLED

REINFORCED CONCRETE

RETAINING WALL

EL +16.65'

LEVEL TOP

EL +14.65'

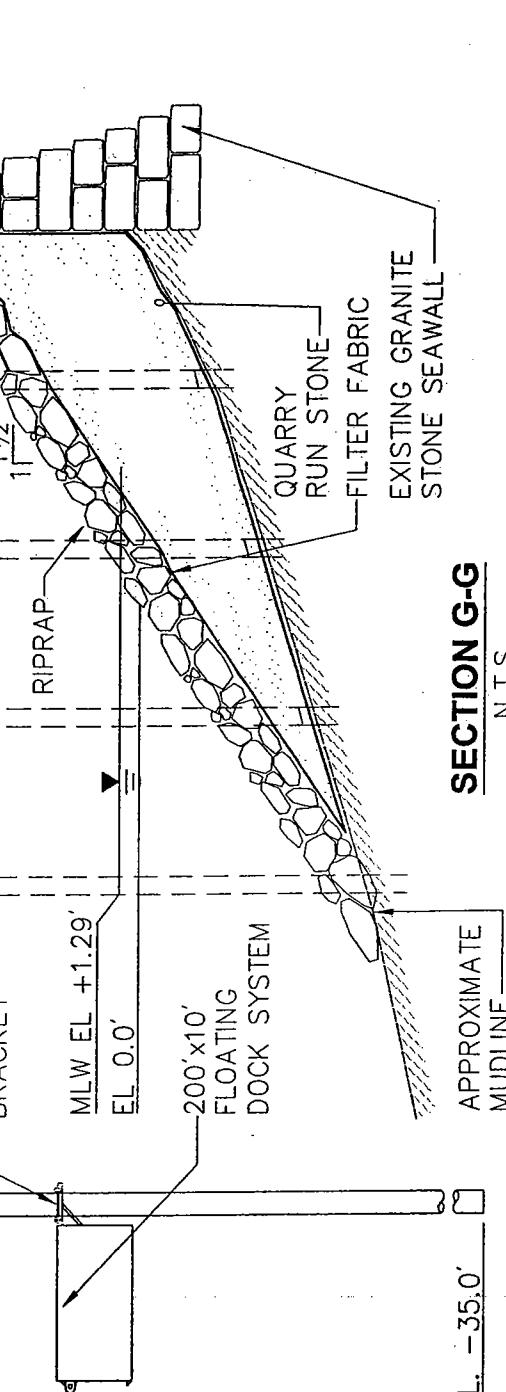
(HWD) EHW EL +13.15'

TINER WHARF AND
PILES TO BE
REMOVEDVINYL PILE
CAP (TYP)
EL +22.0'18" DIA.
STEEL
MOORING
PILEPILE GUIDE
BRACKETMLW EL +1.29'
EL 0.0'

RIPRAP

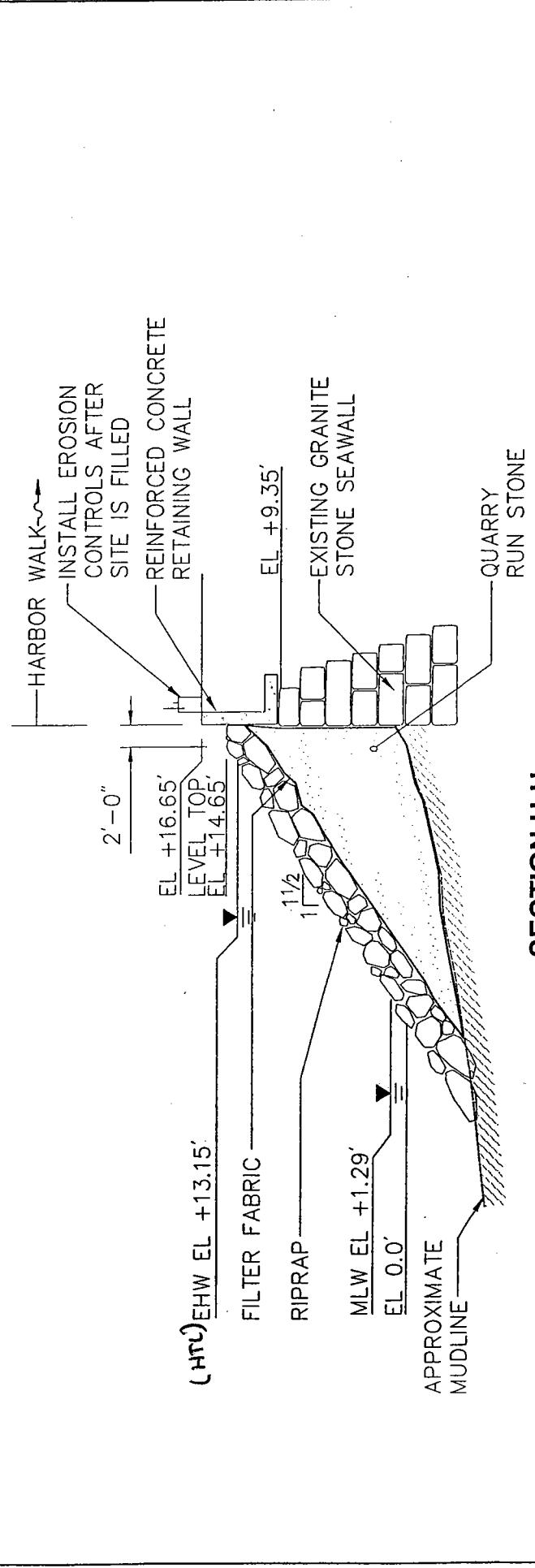
200'x10'
FLOATING
DOCK SYSTEM

EL. -35.0'

APPROXIMATE
MUDLINE -**SECTION G-G**

N.T.S.

Section	NAE - 2004 - S2S	Date	March, 2004
VHB Transportation Land Development Environmental Services 101 Walnut Street, P.O. Box 9151 Watertown, MA 02471 617 924-4770 - FAX 617 924-2286 Vanasse Hangen Brustlin, Inc.	APPLICATION BY: Noddle Island Partnership	SHEET OF: 20 24	

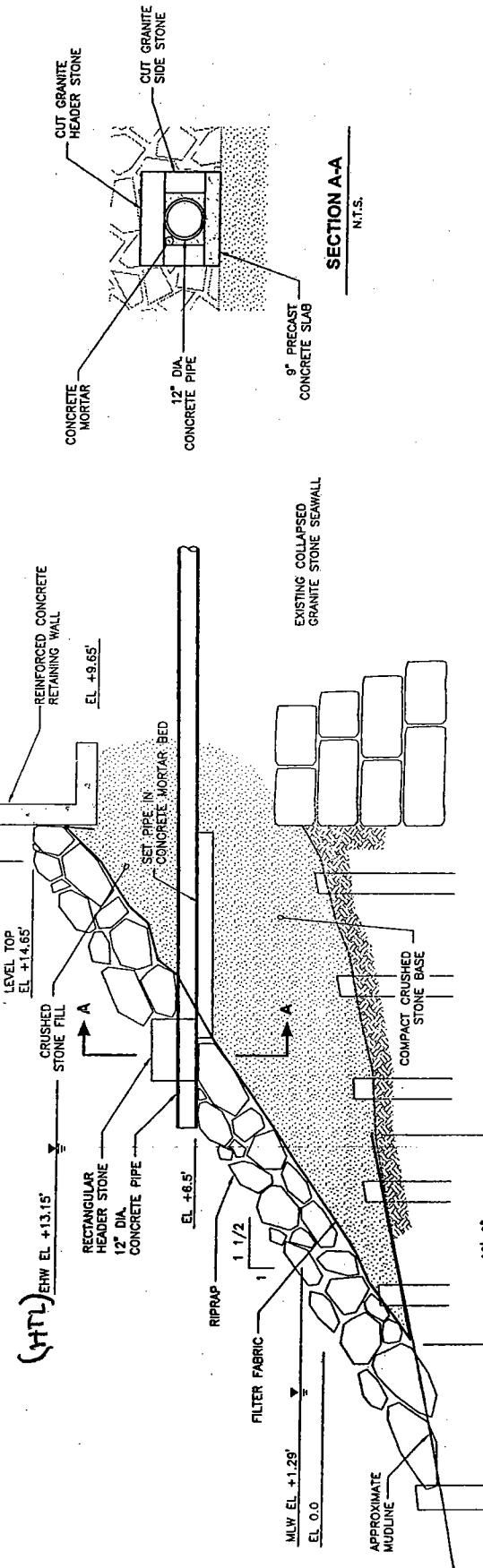


1. RIPRAP STONE SHALL BE 1000# TO 1500# STONE,
MINIMUM 2 LAYERS THICK.
2. QUARRY RUN STONE MAY INCLUDE REUSED MATERIAL
FROM SITE CONSISTING OF GRANITE, COBBLES, CLEAN
BRICK & CHINK STONE WHICH IS CLEAN, SOUND AND
DURABLE.
3. ELEVATIONS SHOWN ARE BASED ON BOSTON CITY BASE.
TO CONVERT TO NGVD 1929 APPLY THE FOLLOWING
FORMULA: BOSTON CITY BASE - 5.65 = NGVD 1929

Section	NAE-2004-S25	Date
<p>Transportation Land Development Environmental Services</p> <p>AT: Clippership Wharf Redevelopment IN: East Boston Watertown, MA 02471 Suffolk County Commonwealth of Massachusetts 617.924.1770 - FAX 617.924.2286</p> <p>VHB Vanasse Hangen Brustlin, Inc.</p>	<p>APPLICATION BY: Noddle Island Partnership</p>	<p>SHEET OF 21 24 March, 2004</p>

NOTE:

1. RIPRAP STONE SHALL BE 1000# TO 1500# STONE, MINIMUM 2 LAYERS THICK.
2. QUARRY RUN STONE MAY INCLUDE REUSED MATERIAL FROM SITE CONSISTING OF GRANITE, COBBLES, CLEAN BRICK & CHINK STONE, WHICH IS CLEAN, SOUND AND DURABLE.
3. ELEVATIONS SHOWN ARE BASED ON BOSTON CITY BASE TO CONVERT TO NGVD 1929 APPLY THE FOLLOWING FORMULA: BOSTON CITY BASE - 5.65 = NGVD 1929

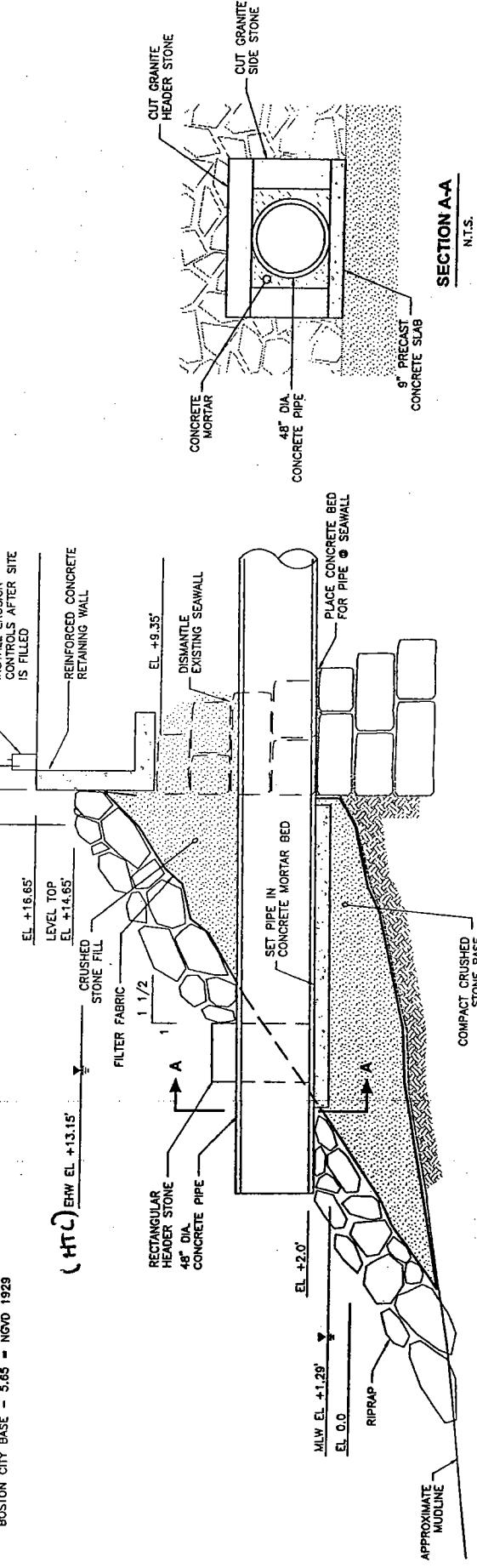


SECTION @ 12" OUTFALL 1
N.T.S.

VHB <i>Vanasse Hangen Brustlin, Inc.</i>	OUTFALL 1 Transportation Land Development Environmental Services	NAE-2004-525 APPLICATION BY: Noddle Island Partnership	DATE March, 2004
AT: Clippership Wharf Redevelopment IN: East Boston Suffolk County Commonwealth of Massachusetts 617 924-1770 - FAX 617 924-2286	SHEET OF 22 24		

NOTE:

1. RIRAP STONE SHALL BE 1000# TO 1500# STONE, MINIMUM 2 LAYERS THICK.
2. QUARRY RUN STONE MAY INCLUDE REUSED MATERIAL FROM SITE CONSISTING OF GRANITE, COBBLES, CLEAN BRICK & CHINK DURABLE.
3. ELEVATIONS SHOWN ARE BASED ON BOSTON CITY BASE TO CONVERT TO NGVD 1929 APPLY THE FOLLOWING FORMULA: BOSTON CITY BASE - 5.65 = NGVD 1929

**SECTION @ 48" OUTFALL 2**

N.T.S.

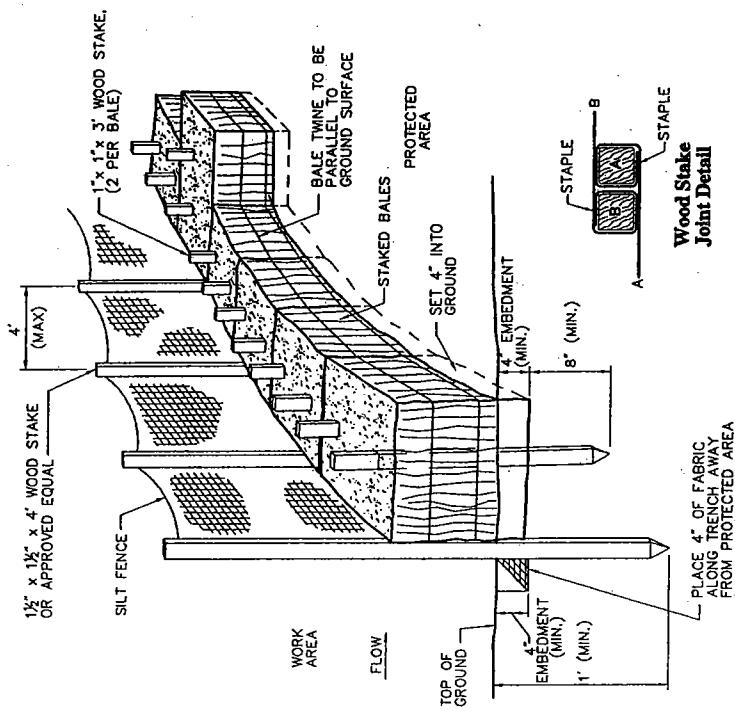
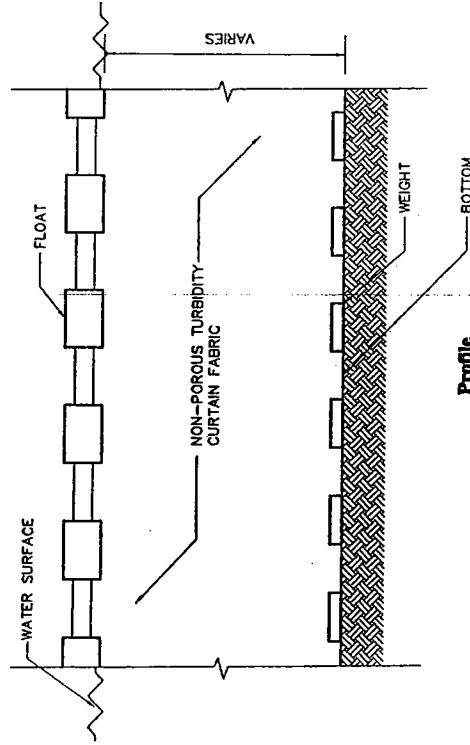
SECTION A-A

N.T.S.

VHB	Transportation Land Development Environmental Services	OUTFALL 2	NAE-2004-S25	DATE March, 2004
	AT: Clippership Wharf Redevelopment IN: East Boston Suffolk County Commonwealth of Massachusetts	APPLICATION BY: Noddle Island Partnership	SHEET OF 23 24	

TURBIDITY CURTAIN NOTES:

1. THE TURBIDITY CURTAIN SHALL BE A PRE-ASSEMBLED SYSTEM, INCLUDING THE CURTAIN FABRIC, CONNECTION AND SECURING MECHANISMS, FLOTATION DEVICES, STAKES OR ANCHORS, AND BALLAST CHAIN. THE CONTRACTOR SHALL PROVIDE A SYSTEM OF ADEQUATE CAPABILITY, APPROPRIATE FOR THE SITE CONDITIONS SUCH AS DEPTH, CURRENT, AND WIND/WAVES.
2. TURBIDITY CURTAIN FABRIC SHALL BE MINIMUM 18 OZ./SQ.YD. REINFORCED PVC COATED MATERIAL, OR APPROVED EQUIVALENT. FLOATS SHALL BE CLOSED-CELL POLYSTYRENE PROVIDING ADEQUATE FREEBOARD TO PREVENT OVERTOPPING BY WAVES.
3. BALLAST WEIGHTS MAY BE WITHIN A SONNN POCKET, OR CHAIN SONNN ONTO FABRIC. WEIGHTS SHALL HAVE SUFFICIENT MASS TO MAINTAIN THE TURBIDITY CURTAIN IN A VERTICAL POSITION.
4. ALL HARDWARE SUCH AS STAKES, BALLAST, CONNECTION BOLTS, REINFORCING PLATES AND TENSION CABLES SHALL BE GALVANIZED OR STAINLESS STEEL AND SUITABLE FOR DEPLOYMENT IN THE MARINE ENVIRONMENT.
5. THE TURBIDITY CURTAIN SHALL BE STAKED OR ANCHORED ADEQUATELY TO ENSURE THE CURTAIN MANTSAINS POSITION DURING STORM EVENTS.
6. AUTOMATIC FLASHING NAVIGATION LIGHTING SHALL BE PLACED ON THE TURBIDITY CURTAIN IN CONFORMANCE WITH APPROPRIATE U.S. COAST GUARD REGULATIONS AND REQUIREMENTS.



Note: _____
PLACE ONE HAY BALE PERPENDICULAR ALONG HAY BALE BARRIER (100 O.C.).

Silt Fence / Hay Bale Barrier (Embedded)

6/03
Source: VHB
LD-654

Transportation
Land Development
Environmental Services

AT: Clippership Wharf Redevelopment
IN: East Boston
Suffolk County
Commonwealth of Massachusetts

DETAILS

NAE - 2004 - 525

DATE
March, 2004

OF

24

SHEET:
24

24

Noddle Island Partnership

VHB

Source: VHB

LD-654