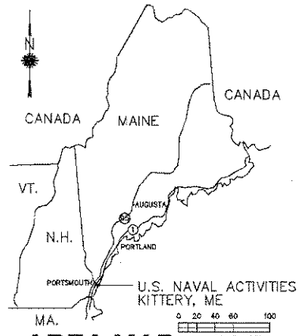
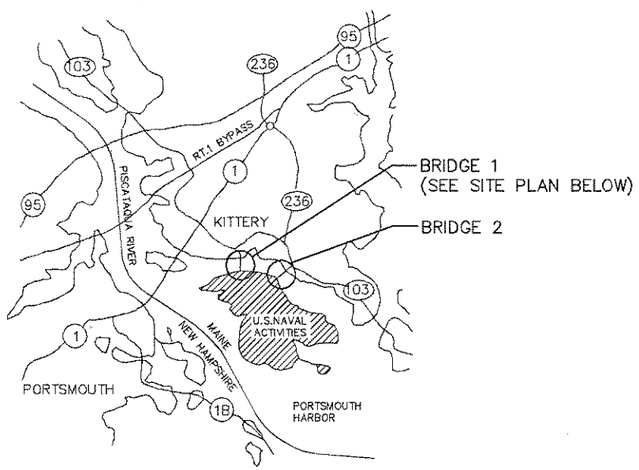
PORTSMOUTH NAVAL SHIPYARD
KITTERY, ME

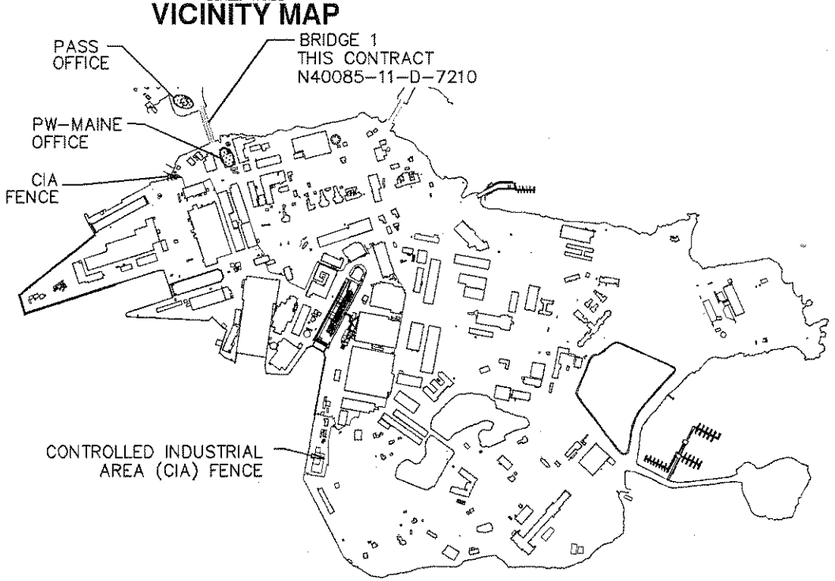
BRIDGE 1 STRUCTURAL REPAIRS
CONTRACT NO. N40085-11-D-7210



AREA MAP



VICINITY MAP

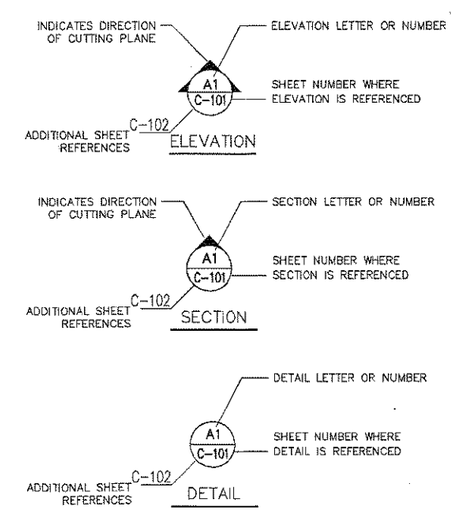


SITE PLAN
SCALE: 1" = 800'

LIST OF DRAWINGS

SHEET NO.	SHEET DWG. NO.	PED-ME DWG. NO.	NAVFAC DWG.	DRAWING TITLE
				GENERAL
1 OF 71	G-001			*TITLE SHEET
2 OF 71	G-002			*GENERAL NOTES AND LEGEND
3 OF 71	G-003			GENERAL NOTES SHEET 2
				CIVIL
4 OF 71	C-001			*GENERAL ROADWAY PLAN AND PROFILE
5 OF 71	C-002			BRIDGE APPROACH PLAN NORTH
6 OF 71	C-003			BRIDGE APPROACH PLAN SOUTH
7 OF 71	C-004			CURBING NOTES
8 OF 71	C-005			CONTRACTOR LAY DOWN AREA SOUTH
9 OF 71	C-006			CONTRACTOR LAY DOWN AREA NORTH
10 OF 71	C-007			EXISTING CONDITIONS SITE PLAN
11 OF 71	C-008			EROSION AND SEDIMENT CONTROL NOTES
12 OF 71	C-009			EROSION AND SEDIMENT CONTROL PLAN AREA SOUTH
13 OF 71	C-010			EROSION AND SEDIMENT CONTROL PLAN AREA NORTH
14 OF 71	C-011			ROADWAY CROSS SECTIONS SHEET 1
15 OF 71	C-012			ROADWAY CROSS SECTIONS SHEET 2
16 OF 71	C-013			ROADWAY CROSS SECTIONS SHEET 3
17 OF 71	C-014			ROADWAY CROSS SECTIONS SHEET 4
18 OF 71	C-015			ROADWAY CROSS SECTIONS SHEET 5
				STRUCTURAL
19 OF 71	S-001			*GENERAL PLAN AND ELEVATION
20 OF 71	S-002			BRIDGE SURVEY LAYOUT
21 OF 71	S-003			BORING LOCATION PLAN
22 OF 71	S-004			BORING LOGS SHEET 1
23 OF 71	S-005			BORING LOGS SHEET 2
24 OF 71	S-006			BORING LOGS SHEET 3
25 OF 71	S-007			*BRIDGE TYPICAL SECTIONS
26 OF 71	S-008			FRAMING PLAN
27 OF 71	S-009			GIRDER DETAILS
28 OF 71	S-010			CAMBER DIAGRAM AND BEAM ELEVATIONS
29 OF 71	S-011			DIAPHRAGM DETAILS
30 OF 71	S-012			BEARING DETAILS
31 OF 71	S-013			EXPANSION JOINT DETAILS
32 OF 71	S-014			VEHICLE RAIL DETAILS
33 OF 71	S-015			DECK REINFORCING PLAN
34 OF 71	S-016			APPROACH SLAB DETAILS
35 OF 71	S-017			NORTH ABUTMENT PLAN AND ELEVATION
36 OF 71	S-018			NORTH ABUTMENT DETAILS 1
37 OF 71	S-019			NORTH ABUTMENT DETAILS 2
38 OF 71	S-020			SOUTH ABUTMENT PLAN AND ELEVATION
39 OF 71	S-021			SOUTH ABUTMENT DETAILS
40 OF 71	S-022			*TYPICAL PIER PLAN AND ELEVATION
41 OF 71	S-023			TYPICAL PIER DETAILS SHEET 1
42 OF 71	S-024			*TYPICAL PIER DETAILS SHEET 2
43 OF 71	S-025			PILE DETAILS
44 OF 71	S-026			SCUPPER DETAILS
45 OF 71	S-027			WINDSCREEN ELEVATIONS
46 OF 71	S-028			WINDSCREEN DETAILS SHEET 1
47 OF 71	S-029			WINDSCREEN DETAILS SHEET 2
48 OF 71	S-030			CONSTRUCTION STAGING SHEET 1
49 OF 71	S-030			CONSTRUCTION STAGING SHEET 2
50 OF 71	S-032			CONSTRUCTION STAGING SHEET 3
				RAILROAD
51 OF 71	R-001			RAILROAD PLAN AND PROFILE
52 OF 71	R-002			DIRECT FIXATION LAYOUT SHEET 1
53 OF 71	R-003			DIRECT FIXATION DETAILS SHEET 2
				UTILITIES
54 OF 71	U-001			UTILITIES PLAN
55 OF 71	U-002			ELECTRICAL POWER AND LIGHTING PLAN
56 OF 71	U-003			SEWER AND WATER PLAN NORTH
57 OF 71	U-004			SEWER AND WATER PLAN SOUTH
58 OF 71	U-005			SANITARY SEWER DETAILS
59 OF 71	U-006			FRESH WATER DETAILS
60 OF 71	U-007			ELECTRICAL AND POWER DETAILS
				STANDARD DRAWINGS
61 OF 71	SD-01			SEWER DETAILS SHEET 1
62 OF 71	SD-02			SEWER DETAILS SHEET 2
63 OF 71	SD-03			FRESH WATER DETAILS SHEET 1
64 OF 71	SD-04			FRESH WATER DETAILS SHEET 2
65 OF 71	SD-05			PAVEMENT DETAILS
66 OF 71	SD-06			CRASH BARRIER DETAILS
67 OF 71	SD-07			FENCE DETAILS SHEET 1
68 OF 71	SD-08			EROSION AND SEDIMENT CONTROL DETAILS
69 OF 71	SD-09			SECURITY GATE DETAILS
70 OF 71	SD-10			TURNSTILE DETAILS
71 OF 71	SD-11			PLANTING DETAILS

ELEVATION, SECTION OR DETAIL SYMBOLS



SYM	DESCRIPTION	DATE	DWN
4	FINAL SUBMISSION	1-27-14	GKD
3	PRELIMINARY SUBMISSION	10-4-13	GKD
2	35% N & E SUBMISSION	7-19-13	GKD
1	35% SUBMISSION	5-10-13	GKD

NAVFAC

PRELIMINARY NOT FOR CONSTRUCTION

PB AECOM
PARSONS BRINCKERHOFF
650 ELM STREET
MANCHESTER, NH 03101

A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
PER EMAIL FROM [NAME] WITH [ORGANIZATION] [LOCATION]
SATISFACTORY TO DATE MM/DD/YY
DES DRW CHK
PM/CM L. BODWELL
BRANCH MANAGER
CHIEF ENG/ARCH G.K.DONNINGTON
FIRE PROTECTION

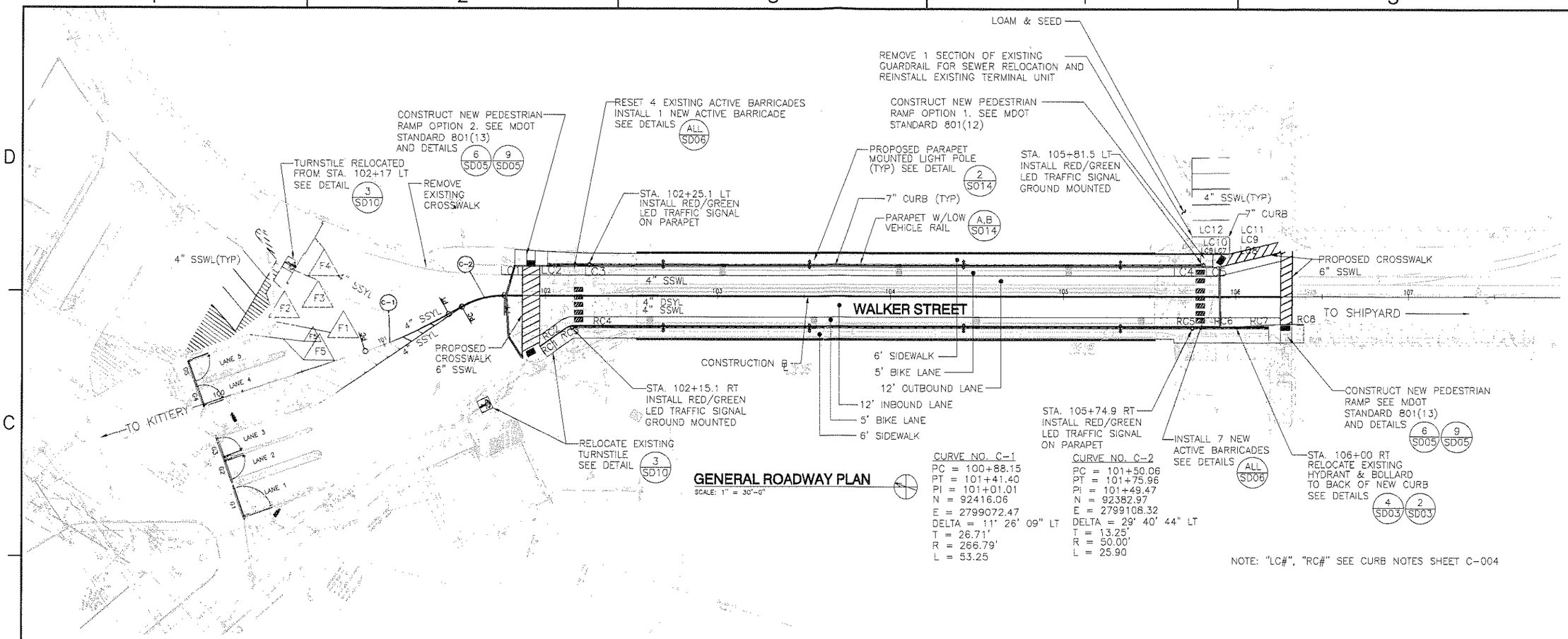
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
PUBLIC WORKS DEPARTMENT ~ NAVAL SHIPYARD ~ PORTSMOUTH, NH
KITTERY, ME
PROJECT STATION/INSTALLATION
BRIDGE 1 STRUCTURAL REPAIRS
TITLE SHEET

MAXIMO No.: MAX NUM
EPROJECT NO.: ########
CONSTR. CONTR. NO.: N40085-11-D-7210
NAVFAC DRAWING NO.: ########
SHEET 1 OF 71
G-001 BR1-14-NUM

DRAWTEMP REVISION: 10 MARCH 2009

FILE NAME: 4:\5261515 Portsmouth Naval Shipyard\ph_cadd_projects\Y-C-D-001-TIF FOR PERMIT APP.dwg LAYOUT NAME: G-001 PLOTTED: Tuesday, January 21, 2014 - 10:17am USER: gradhesar]

Enclosure 3
pg. 1 of 5



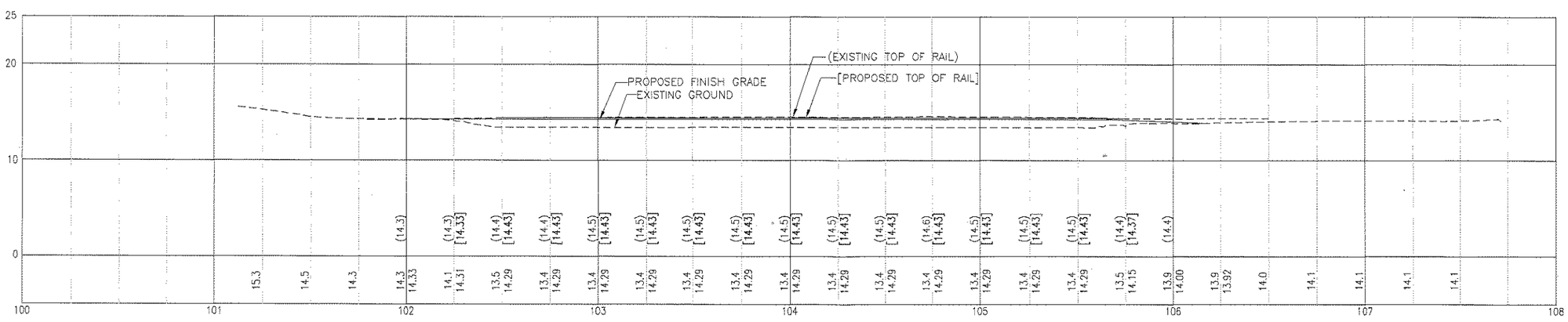
GENERAL ROADWAY PLAN

SCALE: 1" = 30'-0"

CURVE NO. C-1
PC = 100+88.15
PT = 101+41.40
PI = 101+01.01
N = 92416.06
E = 2799072.47
DELTA = 11° 26' 09" LT
T = 26.71'
R = 266.79'
L = 53.25

CURVE NO. C-2
PC = 101+50.06
PT = 101+75.96
PI = 101+49.47
N = 92382.97
E = 2799108.32
DELTA = 29° 40' 44" LT
T = 13.25'
R = 50.00'
L = 25.90

NOTE: "LC#", "RC#" SEE CURB NOTES SHEET C-004



PROFILE

GRAPHIC SCALE
0 30 60 90
1" = 30'

SYM	DESCRIPTION	DATE	APPR
3	FINAL SUBMISSION	1-27-14	GKD
2	PRELIMINARY SUBMISSION	10-4-13	GKD
1	35% M & E SUBMISSION	7-19-13	GKD

NAVFAC

PRELIMINARY NOT FOR CONSTRUCTION

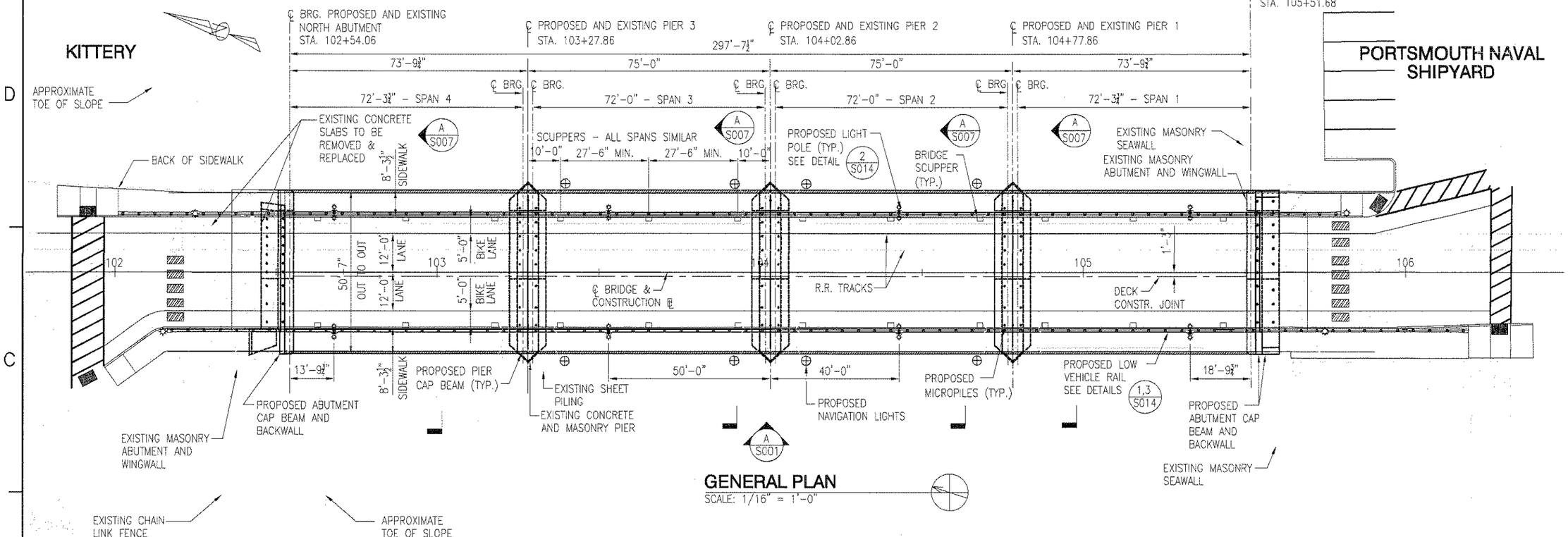
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
PUBLIC WORKS DEPARTMENT ~ MAINE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL SHIPYARD ~ PORTSMOUTH, NH
PROJECT STATION/INSTALLATION KITTERY, ME
BRIDGE 1 STRUCTURAL REPAIRS
GENERAL ROADWAY PLAN AND PROFILE

MAXIMO No.: MAX NUM
EPROJECT NO.: ########
CONSTR. CONTR. NO. N40085-11-D-7210
NAVFAC DRAWING NO. ########
SHEET 4 OF 71
C-001 BR1-14-NUM

DRAWING REVISION: 10 MARCH 2009

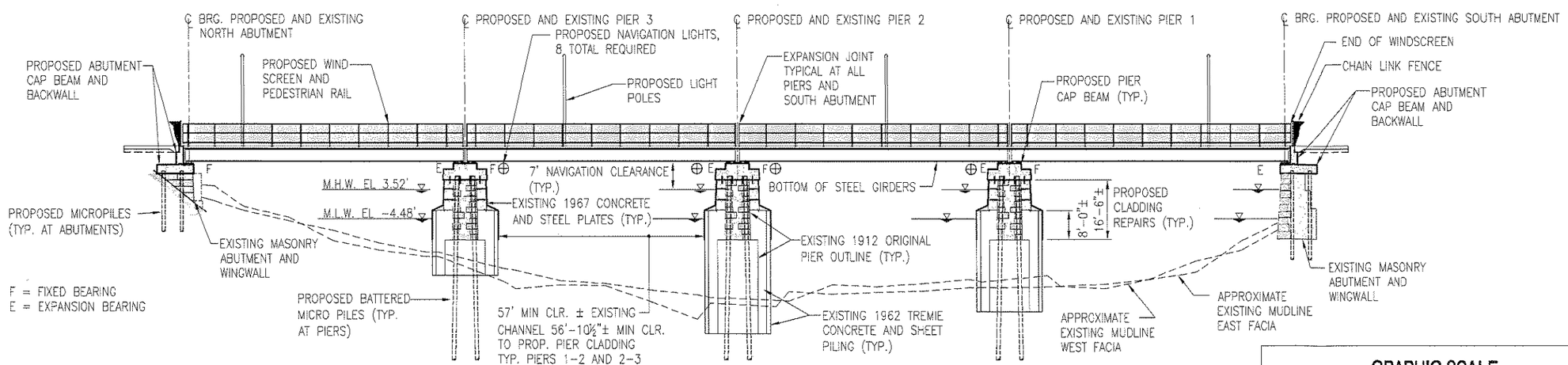
Enclosure 3
pg. 2 of 5

FILE NAME: U:\52615LS Portsmouth Naval Shipyard\ph_codd_proposal\X-CU-1-001-GEN.dwg LAYOUT NAME: C001 PLOTTED: Tuesday, January 21, 2014 - 10:22am USER: gmrfreour



GENERAL PLAN

SCALE: 1/16" = 1'-0"



WEST ELEVATION (LOOKING EAST)

SCALE: 1/16" = 1'-0"

S001 A

GRAPHIC SCALE

0 8' 16' 32'

SCALE: 1/16" = 1'-0"

SYM	DESCRIPTION	DATE	
3	FINAL SUBMISSION	1-27-14	DRD
2	PRELIMINARY SUBMISSION	10-4-13	DRD
1	30% SUBMISSION	5-10-13	DRD

NAVFAC

PRELIMINARY NOT FOR CONSTRUCTION

PARSONS BRINCKERHOFF
850 ELM STREET
MANCHESTER, NH 03101

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY: PER EMAIL FROM [NAME] WITH [ORGANIZATION] [LOCATION]

SATISFACTORY TO: DATE: MM/DD/YY

DES: RJC | DRW: MEG | CHK: GKD

PM/DM: L. BODWELL

BRANCH MANAGER:

CHIEF ENG./ARCH: G.K.DONINGTON

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
PUBLIC WORKS DEPARTMENT - MAINE
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL SHIPYARD ~ PORTSMOUTH, NH
KITTERY, ME

PROJECT STATION/INSTALLATION

BRIDGE 1 STRUCTURAL REPAIRS

GENERAL PLAN AND ELEVATION

MAXIMO No.: MAX NUM

EPROJECT NO.: ######

CONSTR. CONTR. NO.: N40085-11-D-7210

NAVFAC DRAWING NO.: #######

SHEET 19 OF 71

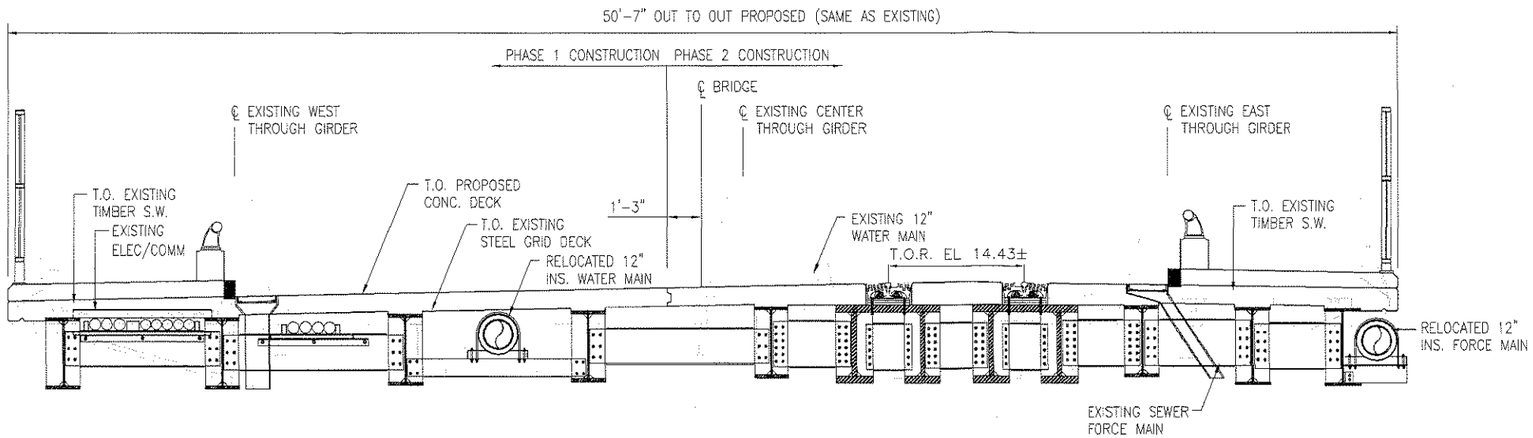
S-001 | BR1-14-NUM

DRAWFORM REVISION: 10 MARCH 2009

Enclosure 3

pg. 3 of 5

FILE NAME: J:\526153\3 Portsmouth Naval Shipyard\gb_rcnb_proposed\X-SS-1-001-GEN.dwg LAYOUT NAME: GEN PLOTTED: Tuesday, January 21, 2014 - 1:49pm USER: gmdrinon



PROPOSED DECK SECTION OVER EXISTING (LOOKING NORTH)

S007 (A)

3/8" = 1'-0"

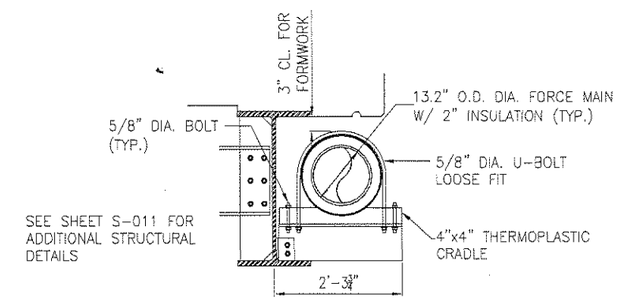
NOTES:

1. DURING CONSTRUCTION PHASE 2, PROVIDE PL2 CRASH TESTED TEMPORARY CONCRETE BARRIER SYSTEM. ATTACH TO DECK WITH CRASH TESTED CHEMICAL ANCHOR SYSTEM THAT WILL FACILITATE LATER REMOVAL AND FILLING OF HOLES ON COMPLETION OF THE BRIDGE.

2. SEE SHEET S009 FOR TYPICAL HAUNCH DETAIL. FOR GIRDERS G5 TO G10, PLACE FORMS AT TOP OF TOP FLANGE AS SHOWN. THE BOTTOM OF SLAB ELEVATIONS IN THIS REGION ARE STILL GIVEN TO THE BOTTOM OF AN 8" DECK THICKNESS.

3. PRECAST CONCRETE STAY IN PLACE FORMS TO BE MEDOT STANDARD 3.5" THICK IN WEST SIDEWALK BAY. FOR ALL OTHER BAYS, STRIPPABLE FORMS MUST BE USED.

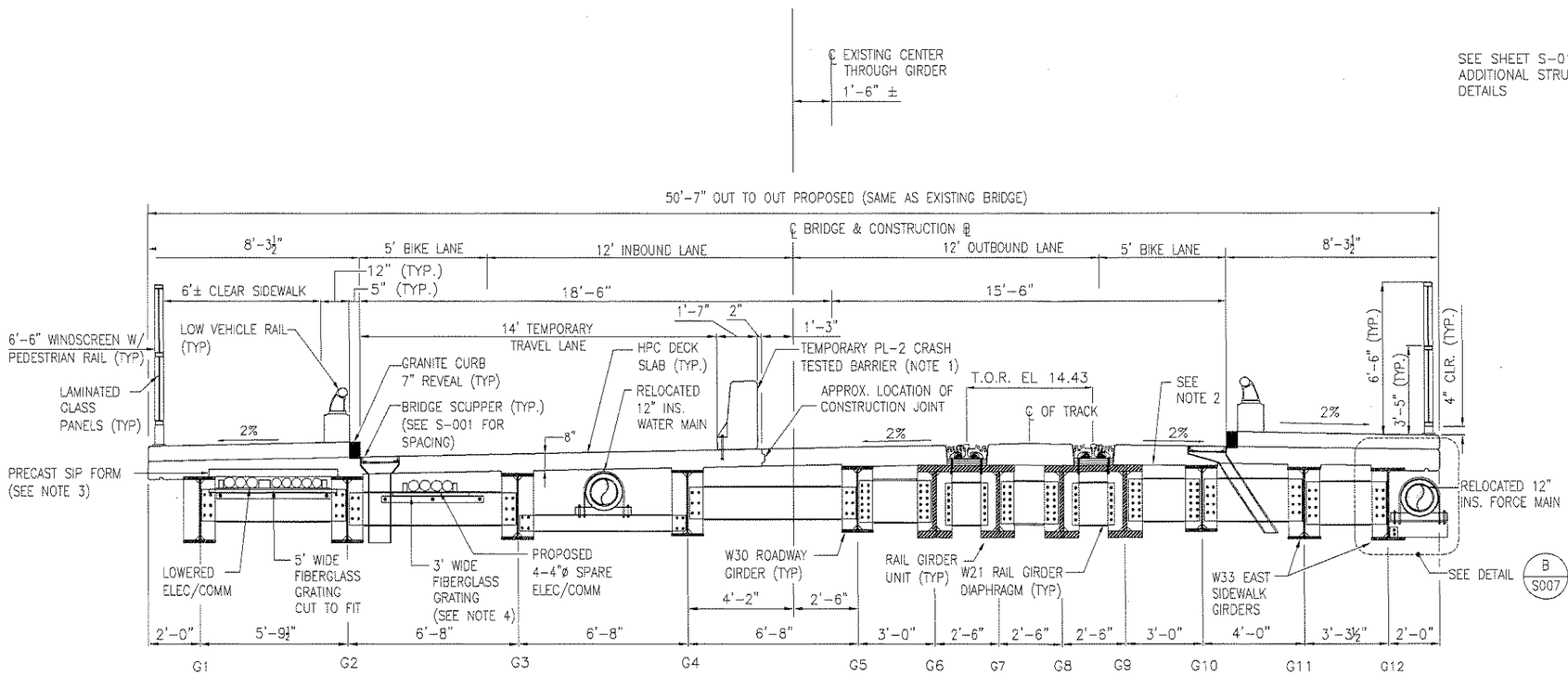
4. FIBERGLASS GRATING TO BE COLOR GRAY, 1½" THICK WITH BEARING BARS SPACED AT 1½" O.C. AND 50 PSF LIVE LOAD CAPACITY. FOR 6 FT CLEAR SPAN, GRATING SHALL HAVE 60% OPEN AREA, WITH CROSS ROD SPACING AT 6" O.C.



FORCE MAIN SUPPORT DETAIL

SCALE: 3/4" = 1'-0"

S007 (C)

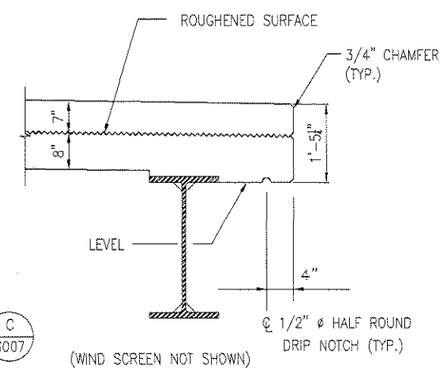


NOTE:
FOR GIRDER AND DIAPHRAGM SIZES AND SPACING SEE FRAMING PLAN.

PROPOSED DECK SECTION (LOOKING NORTH)

S007 (A)

3/8" = 1'-0"



FASCA DETAIL

SCALE: 3/4" = 1'-0"

S007 (B)

GRAPHIC SCALES

SCALE: 3/4" = 1'-0" — 0, 8", 1'-4", 2'-8"

SCALE: 3/8" = 1'-0" — 0, 4", 8", 1'-4"

SYM	DESCRIPTION	DATE	APPR.
3	FINAL SUBMISSION	1-27-14	GKD
2	PRELIMINARY SUBMISSION	10-4-13	GKD
1	SSR SUBMISSION	5-10-13	GKD

NAVFAC

PRELIMINARY NOT FOR CONSTRUCTION

PARSONS BRINCKERHOFF
650 ELM STREET
MANCHESTER, NH 03101

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY
PER EMAIL FROM [NAME] WITH [ORGANIZATION] [LOCATION]

SATISFACTORY TO DATE MM/DD/YY

DES: AJG DRW: MCD CHK: GKD

PM/CM: L. BODWELL

BRANCH MANAGER

CHIEF ENG/ARCH: G.K.DONINGTON

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
PUBLIC WORKS DEPARTMENT - MAINE

NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL SHIPYARD – PORTSMOUTH, NH

PROJECT STATION/INSTALLATION: KITTERY, ME

BRIDGE 1 STRUCTURAL REPAIRS

BRIDGE TYPICAL SECTIONS

MAXIMO No.: MAX NUM

EPROJECT NO.: ######

CONSTR. CONTR. NO.: N40085-11-D-7210

NAVFAC DRAWING NO.: #######

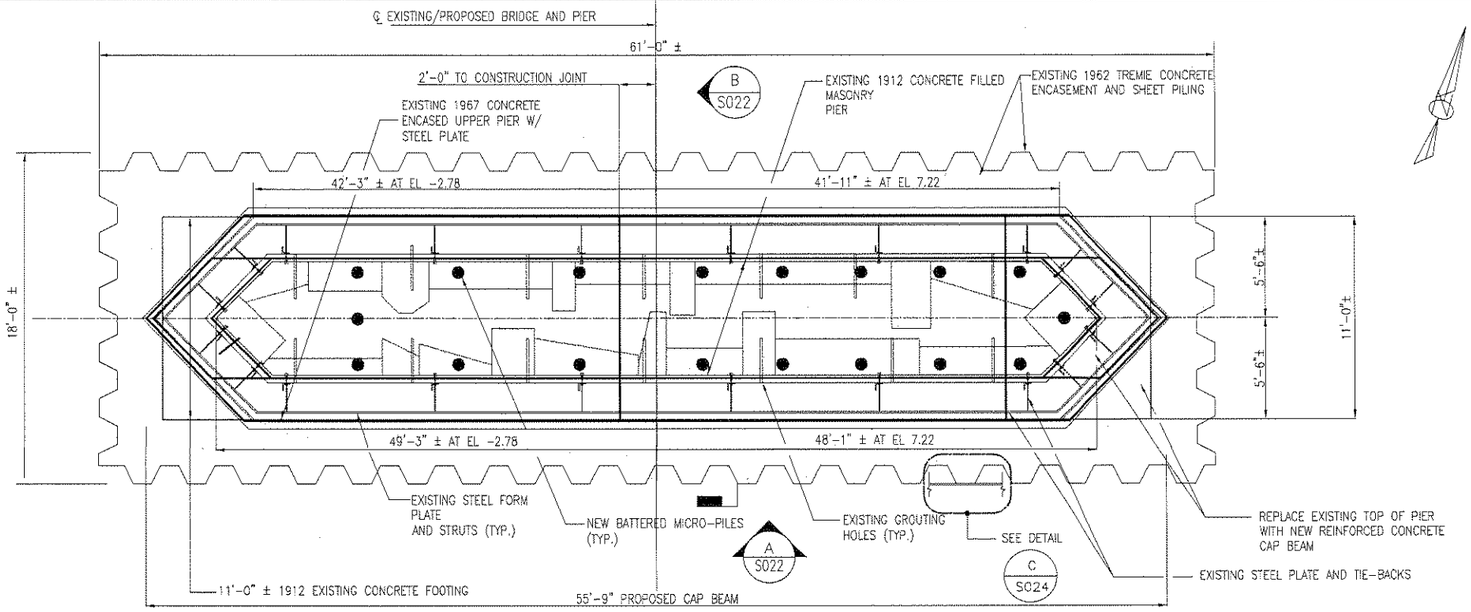
SHEET 25 OF 71

S-007 BR1-14-NUM

DRAWTON REVISION: 13 MARCH 2009

FILE NAME: J:\5351515 Portsmouth Naval Shipyard\job_code_prepared\X-ST-3-001-0003.dwg LAYOUT NAME: 003 PLOTTED: Tuesday, January 21, 2014 - 10:41am USER: gkaufman

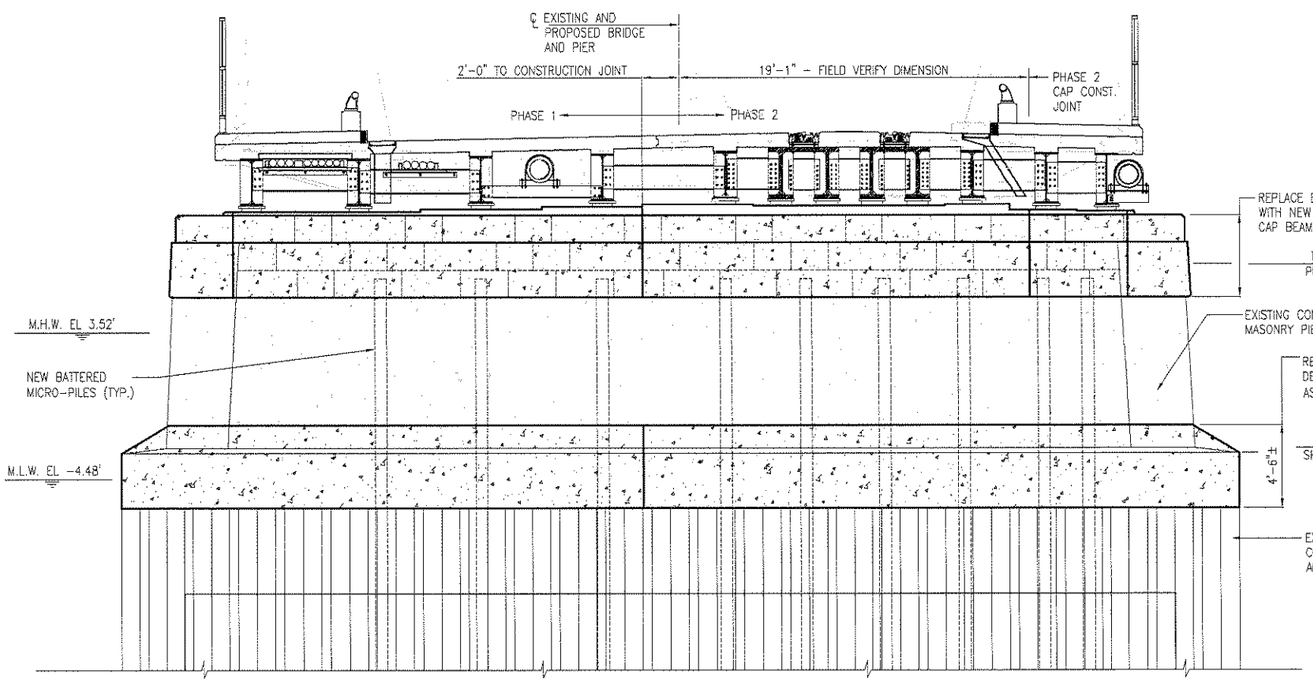
Enclosure 3



GENERAL PLAN - PIER 3
(PIERS 1 AND 2 SIMILAR)

SCALE: $\frac{1}{4}$" = 1'-0"

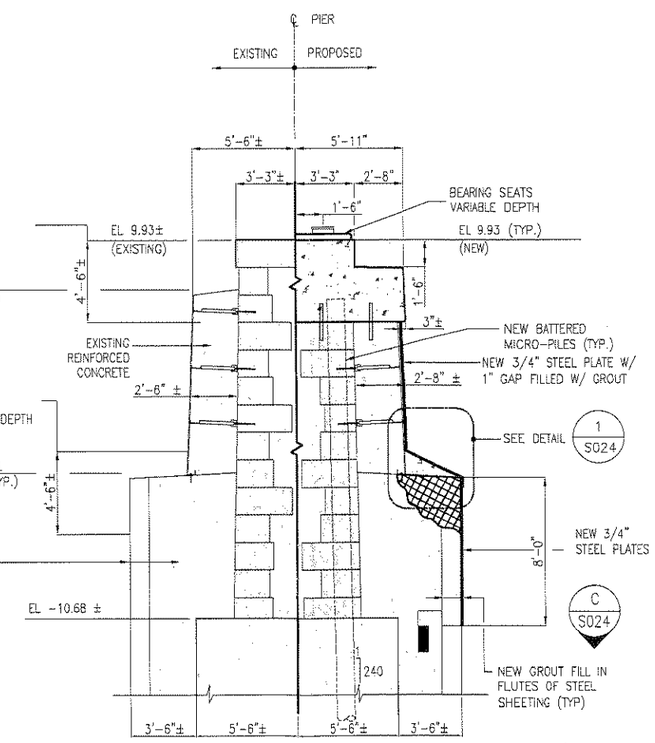
NOTES:
1) ALL EXISTING PIER DIMENSIONS AND ELEVATIONS GIVEN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.



ELEVATION - EXISTING PIER 3 - LOOKING NORTH
(PIERS 1 AND 2 SIMILAR)

SCALE: $\frac{1}{4}$" = 1'-0"

S022 A



TYPICAL PIER SECTION

SCALE: $\frac{1}{4}$" = 1'-0"

S022 B

GRAPHIC SCALE
0 2' 4' 8'
SCALE: 1/4" = 1'-0"

SYM	DESCRIPTION	DATE	APVR
3	FINAL SUBMISSION	1-27-14	GKD
2	PRELIMINARY SUBMISSION	10-4-13	GKD
1	35% SUBMISSION	3-15-13	GKD

NAVFAC

PRELIMINARY NOT FOR CONSTRUCTION

SEAL

PARSONS BRINCKERHOFF
650 ELM STREET
MANCHESTER, NH 03101

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTING PER EMAIL FROM [NAME] WITH [ORGANIZATION] [LOCATION]

SATISFACTORY TO DATE MM/DD/YY

DES LJ DRW RJG CHK JK

PM/DM L. BODWELL

BRANCH MANAGER

CHIEF ENG/ARCH G.K.DONNINGTON

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
PUBLIC WORKS DEPARTMENT - MAINE
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL SHIPYARD - PORTSMOUTH, NH
KITTERY, ME
PROJECT STATION/INSTALLATION

BRIDGE 1 STRUCTURAL REPAIRS

TYPICAL PIER PLAN AND ELEVATION

MAXIMO No.: MAX NUM
EPROJECT NO.: #######
CONSTR. CONTR. NO. N40085-11-D-7210
NAVFAC DRAWING NO. #######
SHEET 40 OF 71
S-022 BR1-14-NUM

DRAWFORM REVISION: 10 MARCH 2003

FILE NAME: J:\5091543 Portsmouth Naval Shipyard\ph_rnd4_proposed\Y-S9-S-001-R01.dwg LAYOUT NAME: R01 PLOTTED: Wednesday, January 22, 2014 - 12:11pm USER: gordonmcj

Enclosure 3
pg. 5 of 5