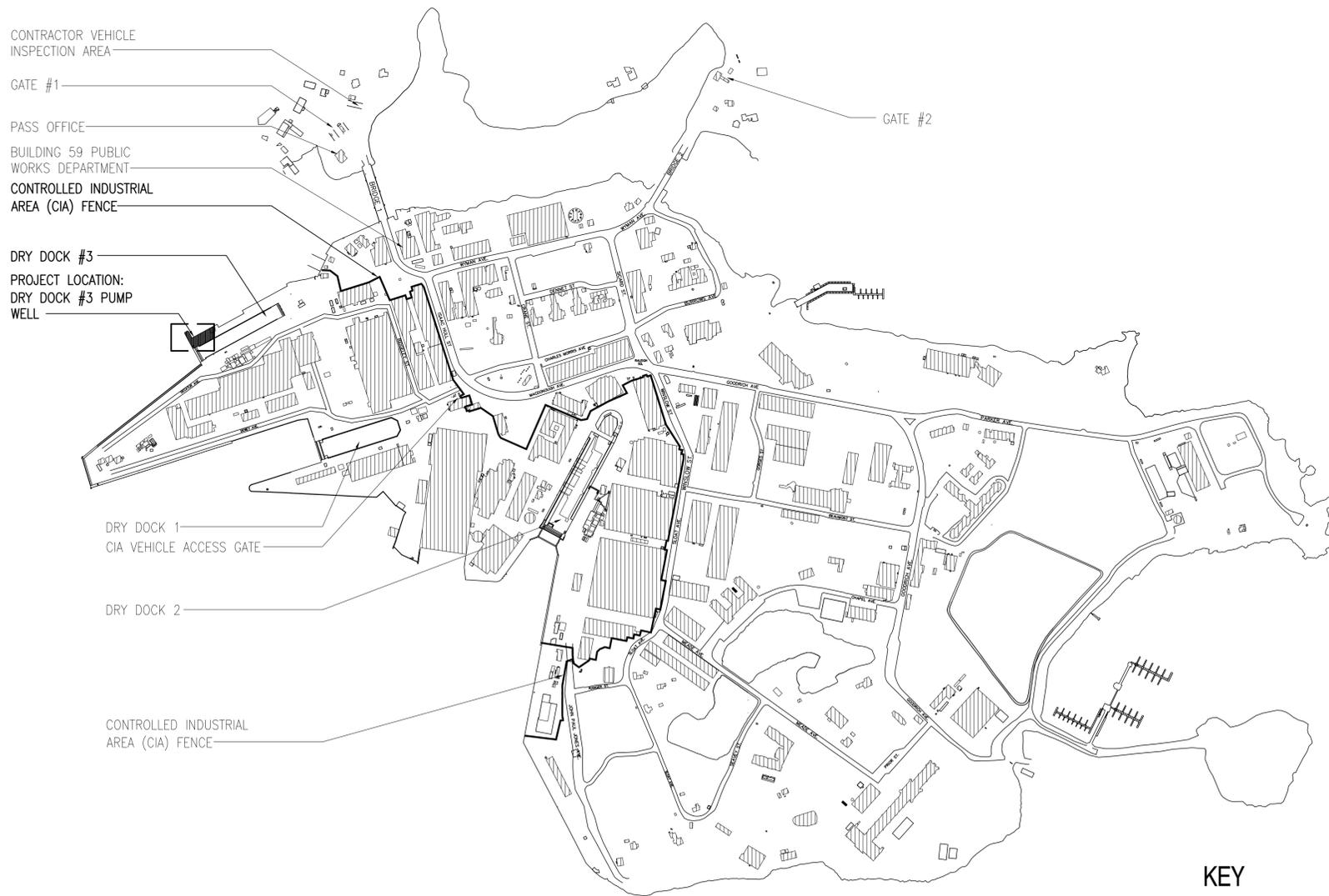
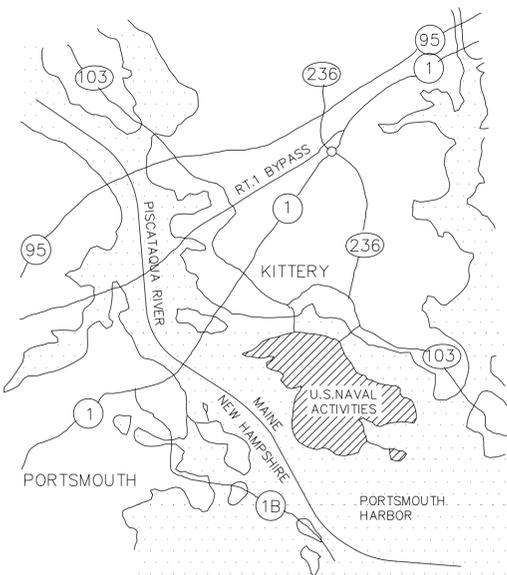


PORTSMOUTH NAVAL SHIPYARD KITTERY, ME

DRY DOCK #3 PUMP WELL REPAIRS CONSTRUCTION CONTRACT NO. N40085-15-C-6109 EPROJECT WORK ORDER NO. 1332591



- KEY**
- BUILDINGS
 - PROJECT LOCATION
 - EXISTING CIA FENCE

APPROVED: PNSY DRY DOCK CONTROL BOARD	
THE SIGNATURES ALSO ACKNOWLEDGE THAT THE CONSTRUCTION DOCUMENTS (DRAWINGS AND SPECIFICATIONS) ACCURATELY REPRESENT THE PROJECT REQUIREMENTS. THIS SIGNATURE CONVEYS APPROVAL OF ALL 66 SHEETS IN THIS SET.	
SIGNATURE	DATE
DOCKING OFFICER	
C980 DD BRANCH HEAD	
C990 BRANCH HEAD	
C250 BRANCH HEAD	
C270 BRANCH HEAD	
C300.1	

FINAL SUBMISSION	DATE	APPR
APPROVED		
FOR COMMANDER NAVFAC		
ACTIVITY		
SEE G-001 FOR DDCB BLOCK		
SATISFACTORY TO	DATE	
DES: KTW	DRW: JMR	CHK: PFD
PM/DM:	R. C. PANTEL	
BRANCH MANAGER:	AMIN BAHROUR	
CHIEF ENG/ARCH:	LCDR J. ROCHE	
FIRE PROTECTION:	P. BAKAJ	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND - MID-ATLANTIC PORTSMOUTH NAVAL SHIPYARD - KITTERY, ME PNO-NAVE NAVAL SHIPYARD		
MAXIMO No: EPROJECT NO.: 1332591 CONSTR. CONTR. NO.: N40085-15-C-6109 NAVFAC DRAWING NO.: 12686269 SHEET 1 OF 66		
G-001	DD3-14-660	

21 Jan, 2015 - 11:53am
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ABBREVIATIONS

Table of abbreviations and their corresponding full names, organized in two columns. Includes terms like AT (AND), FE (FIRE EXTINGUISHER), Ø (PHASE), etc.

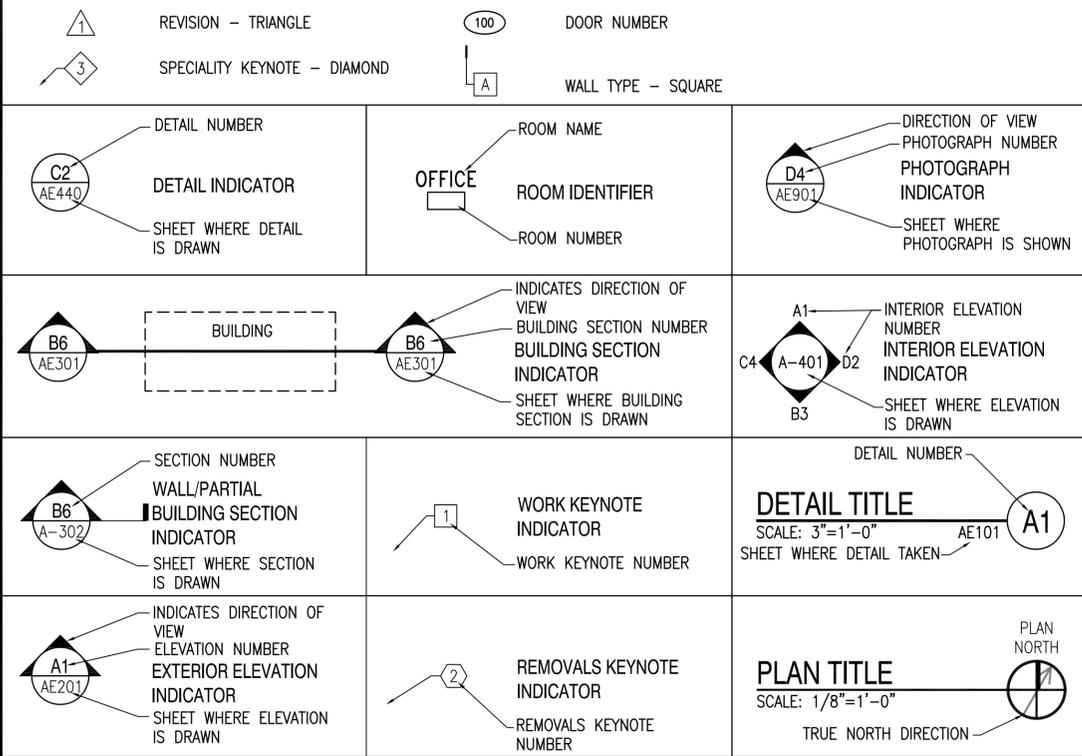
GENERAL NOTES

- List of 21 general notes providing instructions and requirements for construction, safety, and compliance with codes and standards.

GOVERNING REGULATIONS

Text detailing various building, mechanical, plumbing, and electrical codes and standards that apply to the project, such as the International Building Code (IBC) and NFPA codes.

GENERAL SYMBOLS



SEQUENCING NOTES

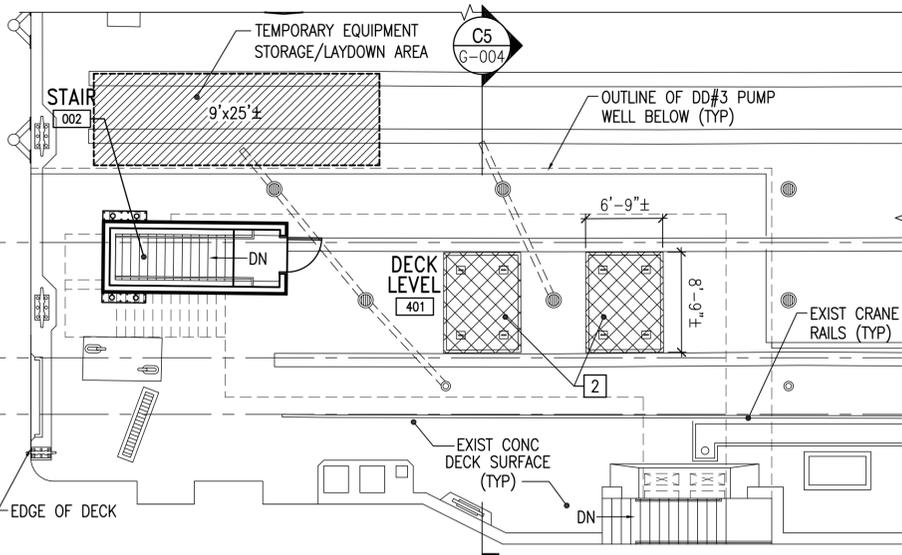
- List of 11 sequencing notes detailing the order and timing of construction activities, such as exterior concrete jacketing, interior repairs, and equipment installation.

LIST OF OPTIONS

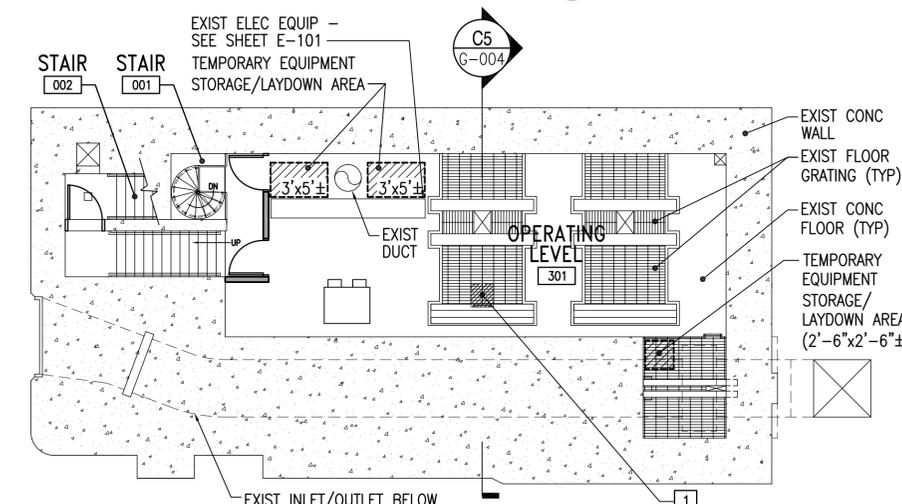
- List of 7 options for the project, including replacement of drainage piping, fiberglass grating upgrades, and concrete spall repairs.

Vertical sidebar containing project metadata, logos for NAVFAC and OAK POINT ASSOCIATES, and a title block with project name 'DRY DOCK #3 PUMP WELL REPAIRS' and drawing number 'G-003 DD3-14-662'.

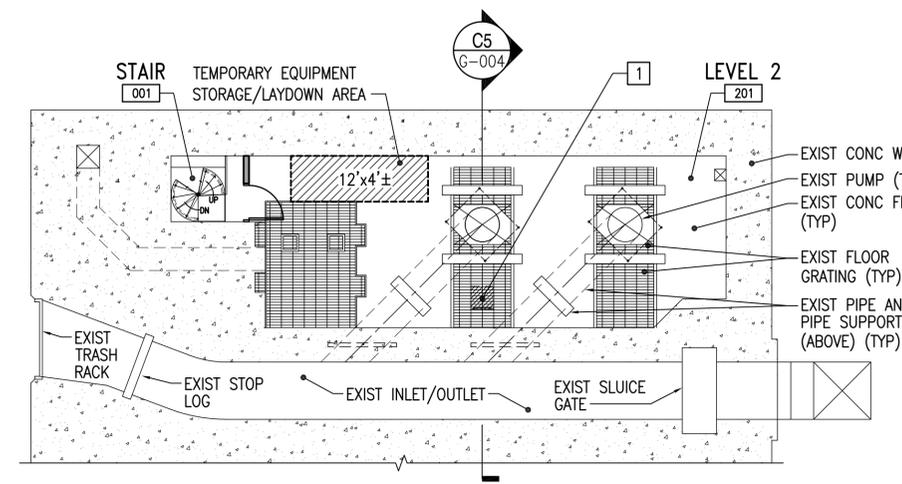
21 Jan, 2015 - 11:33am
c:\pfile\21105.16-g003.dwg



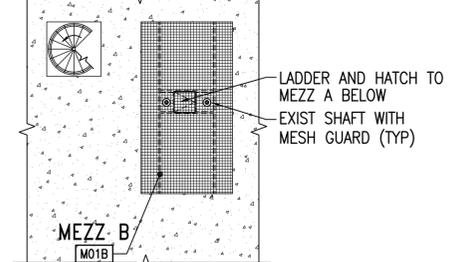
DECK LEVEL PLAN (ELEV 9.72'±)
SCALE: 1/8"=1'-0"
PLAN NORTH



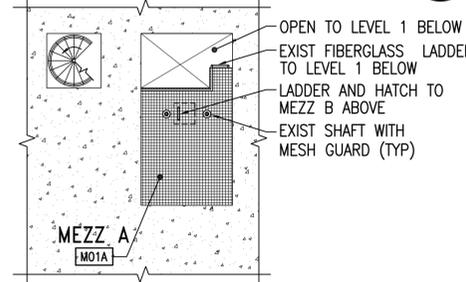
OPERATING LEVEL PLAN (ELEV -7.28'±)
SCALE: 1/8"=1'-0"
PLAN NORTH



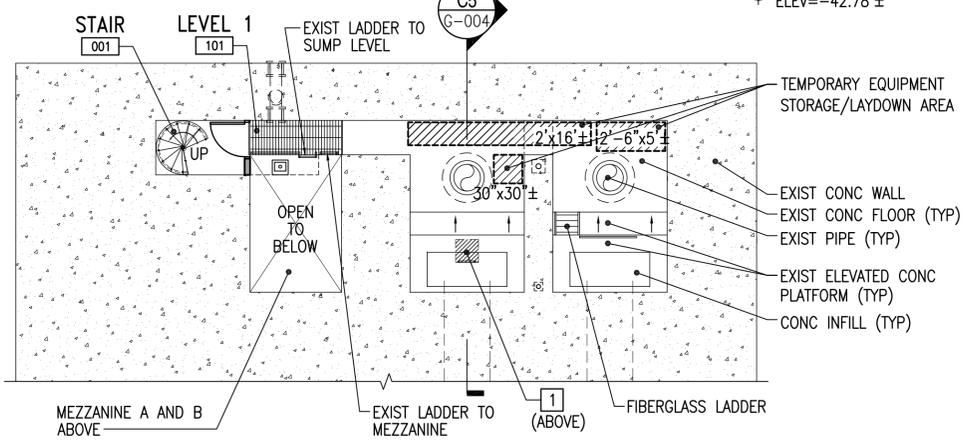
LEVEL 2 PLAN (ELEV -19.78'±)
SCALE: 1/8"=1'-0"
PLAN NORTH



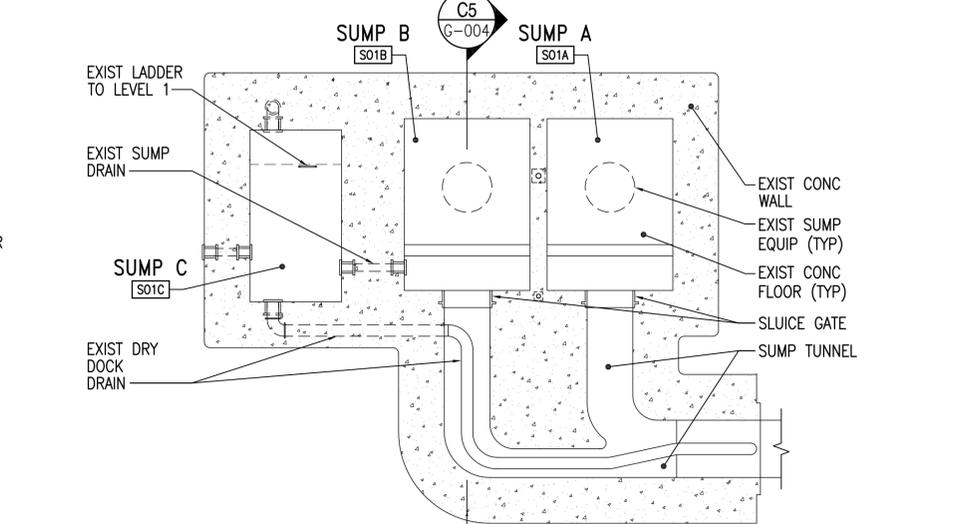
MEZZ B PLAN (ELEV -25.53'±)
SCALE: 1/8"=1'-0"
PLAN NORTH



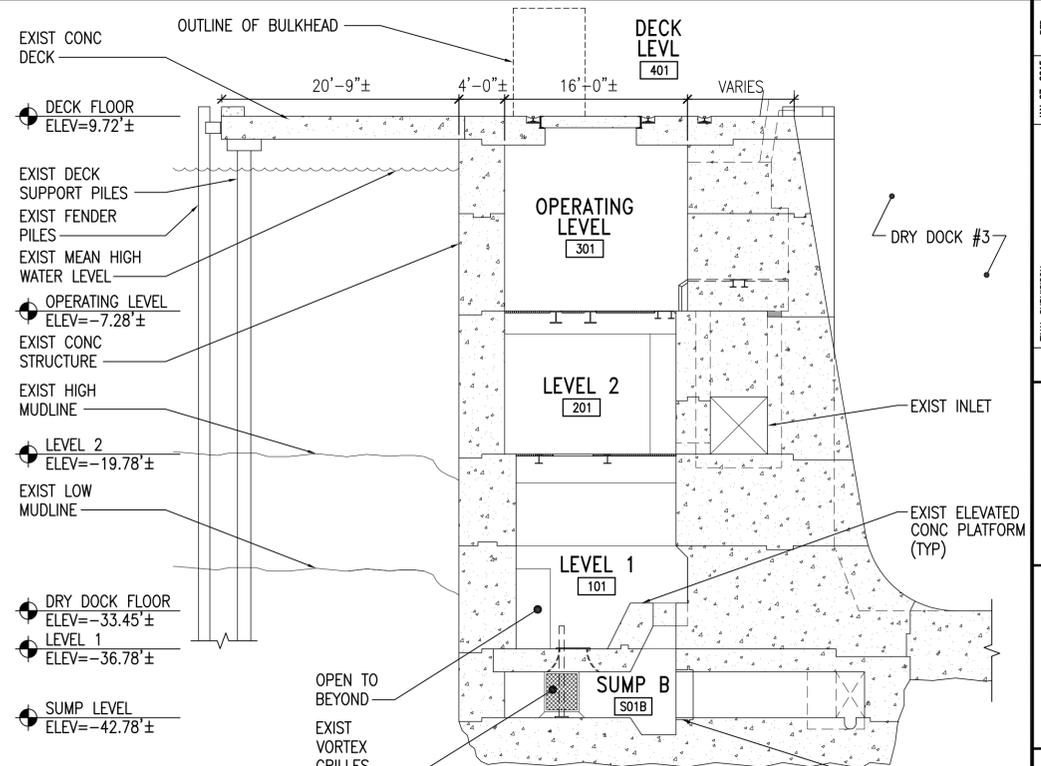
MEZZ A PLAN (ELEV -32.20'±)
SCALE: 1/8"=1'-0"
PLAN NORTH



LEVEL 1 PLAN (ELEV -36.78'±)
SCALE: 1/8"=1'-0"
PLAN NORTH



SUMP LEVEL PLAN (ELEV -44.78'±)
SCALE: 1/8"=1'-0"
PLAN NORTH



PUMPWELL SECTION
SCALE: 1/8"=1'-0"
G-004 C5

GENERAL SHEET NOTES

- SEE SHEET G-003 FOR GENERAL CONSTRUCTION AND SEQUENCING NOTES.
- TEMPORARY EQUIPMENT/LAYDOWN STORAGE AREAS SHOWN ARE FOR BIDDING PURPOSES, ACTUAL AREAS SHALL BE COORDINATED WITH CONTRACTING OFFICER.
- PROVIDE TEMPORARY EGRESS PLAN AND OBTAIN CONTRACTING OFFICER APPROVAL PRIOR TO SPIRAL STAIR REMOVAL.
- SEE SHEETS G-005 AND G-006 FOR ADDITIONAL DECK LEVEL LAYDOWN INFORMATION.

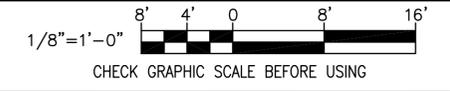
LEGEND

- CONTRACTOR LAYDOWN/PRODUCTION AREA (APPROXIMATE)
- 1'-0"± THICK REINFORCED CONCRETE ROOF HATCH

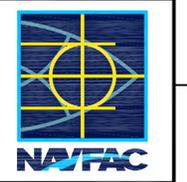
KEYNOTE

- REMOVE PORTION OF GRATING AND PROVIDE TEMPORARY (OSHA COMPLIANT) LADDER AND FALL PROTECTION FOR ACCESS BETWEEN LEVELS DURING SPIRAL STAIR WORK.
- CONCRETE ROOF HATCH - ONE HATCH AT A TIME MAY BE REMOVED DURING CONSTRUCTION FOR ACCESS TO PUMP WELL. REMOVAL SHALL LAST NO LONGER THAN 12 HOURS AT A TIME. PROVIDE TEMPORARY WEATHER PROTECTION AND FALL PROTECTION AT HATCH PERIMETER WHILE HATCH IS REMOVED. REINSTALL AND SEAL PERIMETER OF HATCH.

GRAPHIC SCALE



REV	DATE	DESCRIPTION



APPROVED
DATE: 01/07/15

FOR COMMANDER NAVFAC	ACTIVITY
SEE G-001 FOR DDCB BLOCK	
SATISFACTORY TO DATE: 01/07/15	
DES: KTW	DRW: JMR
CHK: PFD	
FM/DM: R C PANTEL	
BRANCH MANAGER: AMIN BAHRLOUR	
CHIEF ENG/ARCH: LCDR J ROCHE	
FIRE PROTECTION: P BAKAJ	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND - MID-ATLANTIC
PORTSMOUTH NAVAL SHIPYARD - KITTERY, ME
NAVAL SHIPYARD
KITTERY, ME
KEYPLANS
DRY DOCK #3 PUMP WELL REPAIRS
MAXIMO NO.: 1332591
CONSTR. CONTR. NO.: N40085-15-C-6109
NAVFAC DRAWING NO.: 12686272
SHEET 4 OF 66
G-004 DD3-14-663
DRAWING REVISION: 10 MARCH 2009

C:\office\21105.16-G006.dwg 1/5/2015 2:44:16 PM EST

LEGEND (THIS SHEET ONLY)

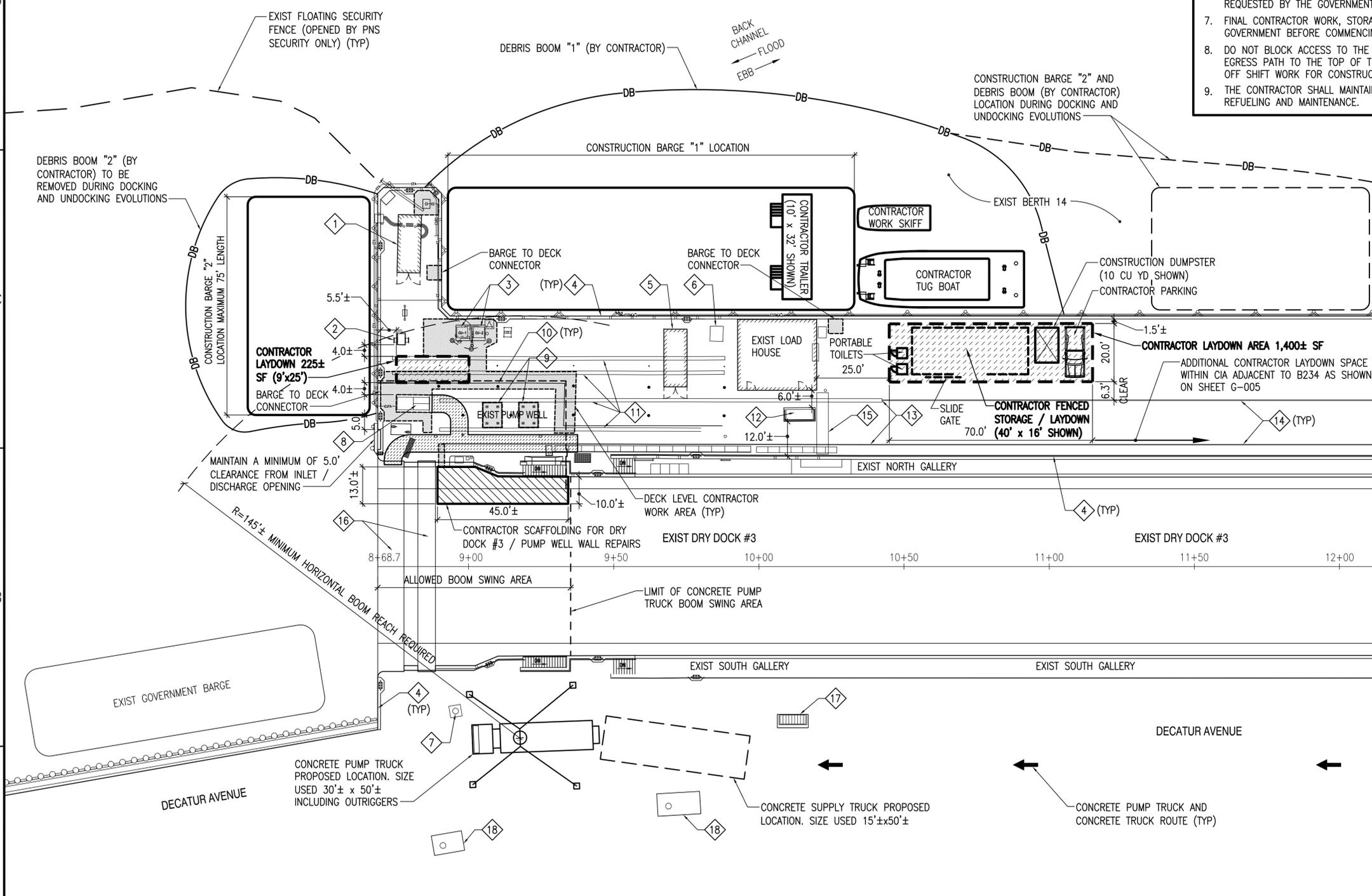
-  DECK LEVEL CONTRACTOR WORK AREA.
-  MINIMUM 6' WIDE PUMP WELL ACCESS AND EGRESS PATH DURING CONSTRUCTION.
-  CONTRACTOR SCAFFOLDING
-  CONTRACTOR LAYDOWN AREA.
-  CONTRACTOR FENCED STORAGE AREA.
-  DB DEBRIS BOOM (BY CONTRACTOR).

GENERAL SHEET NOTES

1. SEE SHEET CX101 FOR EXISTING SURFACE AND FEATURES INFORMATION.
2. SEE SHEET CX102 FOR EXISTING UTILITY INFORMATION.
3. SEE SHEET G-003 FOR ABBREVIATIONS, GENERAL LEGEND AND NOTES.
4. MAINTAIN CLEAR PATH TO AND OVER THE EXISTING CAISSON. VEHICLES AND STORAGE ON EXISTING CAISSON ARE PROHIBITED.
5. RELOCATE CONSTRUCTION VESSELS AND BARGES IF REQUESTED BY THE GOVERNMENT.
6. RELOCATE OR REMOVE LAYDOWN AREAS, STORAGE AREAS, EQUIPMENT, BARGES, BOATS AND VEHICLES AS REQUESTED BY THE GOVERNMENT. BASE BIDS ON (3) DE-MOBILIZATIONS AND (3) RE-MOBILIZATIONS.
7. FINAL CONTRACTOR WORK, STORAGE AND LAYDOWN AREAS SHALL BE APPROVED BY THE GOVERNMENT BEFORE COMMENCING OF PROJECT WORK.
8. DO NOT BLOCK ACCESS TO THE EXISTING STAIRS SERVING DRY DOCK #3, A MINIMUM 6' WIDE EGRESS PATH TO THE TOP OF THE STAIRS SHALL BE MAINTAINED AT ALL TIMES, EXCEPT DURING OFF SHIFT WORK FOR CONSTRUCTION JOINT SEALING.
9. THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE EXISTING EMERGENCY GENERATOR FOR REFUELING AND MAINTENANCE.

EXISTING KEYNOTES (THIS SHEET ONLY)

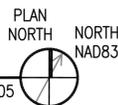
- 1 EXISTING EMERGENCY GENERATOR (DRY DOCK #3 PUMP WELL). SEE NOTE 9 ON THIS SHEET.
- 2 EXISTING CAPSTAN ON CONCRETE PAD.
- 3 EXISTING (2) CONDENSER UNITS ON CONCRETE PAD (SERVES DRY DOCK #3 PUMP WELL).
- 4 EXISTING EDGE OF CONCRETE DECK/CURB.
- 5 EXISTING MOBILE 900KW DIESEL POWER PLANT.
- 6 EXISTING ELECTRICAL EQUIPMENT.
- 7 EXISTING MOORING BOLLARD.
- 8 EXISTING BULKHEAD DOORS TO ACCESS PUMP WELL.
- 9 EXISTING CONCRETE COVERS.
- 10 EXISTING CONSTRUCTION JOINT IN CONCRETE DECK/PUMP WELL STRUCTURE.
- 11 EXISTING 14"± TO 15"± WIDE CONCRETE PATCH OVER EXISTING CRANE RAIL.
- 12 EXISTING HATCH TO NORTH ALTAR PIT.
- 13 APPROXIMATE END OF EXISTING ACTIVE CRANE RAIL.
- 14 EXISTING ACTIVE CRANE RAIL.
- 15 EXISTING STEEL TRAFFIC PLATES (SLOPED SIDES) OVER EXISTING UTILITY LINES ON TOP OF EXISTING DECK.
- 16 EXISTING CAISSON SEATS.
- 17 EXISTING ACCESS TO SOUTH ALTAR PIT.
- 18 EXISTING CAPSTAN.



DECK LEVEL CONTRACTOR LAYDOWN SITE PLAN

SCALE: 1"=20'

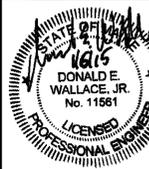
G-003, G-005



GRAPHIC SCALE



REV	DATE	DESCRIPTION
1	JAN 07, 2015	FINAL SUBMISSION



APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SEE G-001 FOR DDCB BLOCK

SATISFACTORY TO DATE 01/07/15

DES DEW DRW DEW CHK PFD

FW/DM R C PANTEL

BRANCH MANAGER AMIN BAHRLOUR

CHIEF ENG/ARCH LCDR J ROCHE

FIRE PROTECTION P BAKAJ

NAVAL SHIPYARD KITTERY, ME

NAVAL FACILITIES ENGINEERING COMMAND

NAVAL FACILITIES ENGINEERING COMMAND - MID-ATLANTIC

PORTSMOUTH NAVAL SHIPYARD - KITTERY, ME

DRY DOCK #3 PUMP WELL REPAIRS

DECK LEVEL CONTRACTOR LAYDOWN SITE PLAN

MAXIMO NO. 1332591

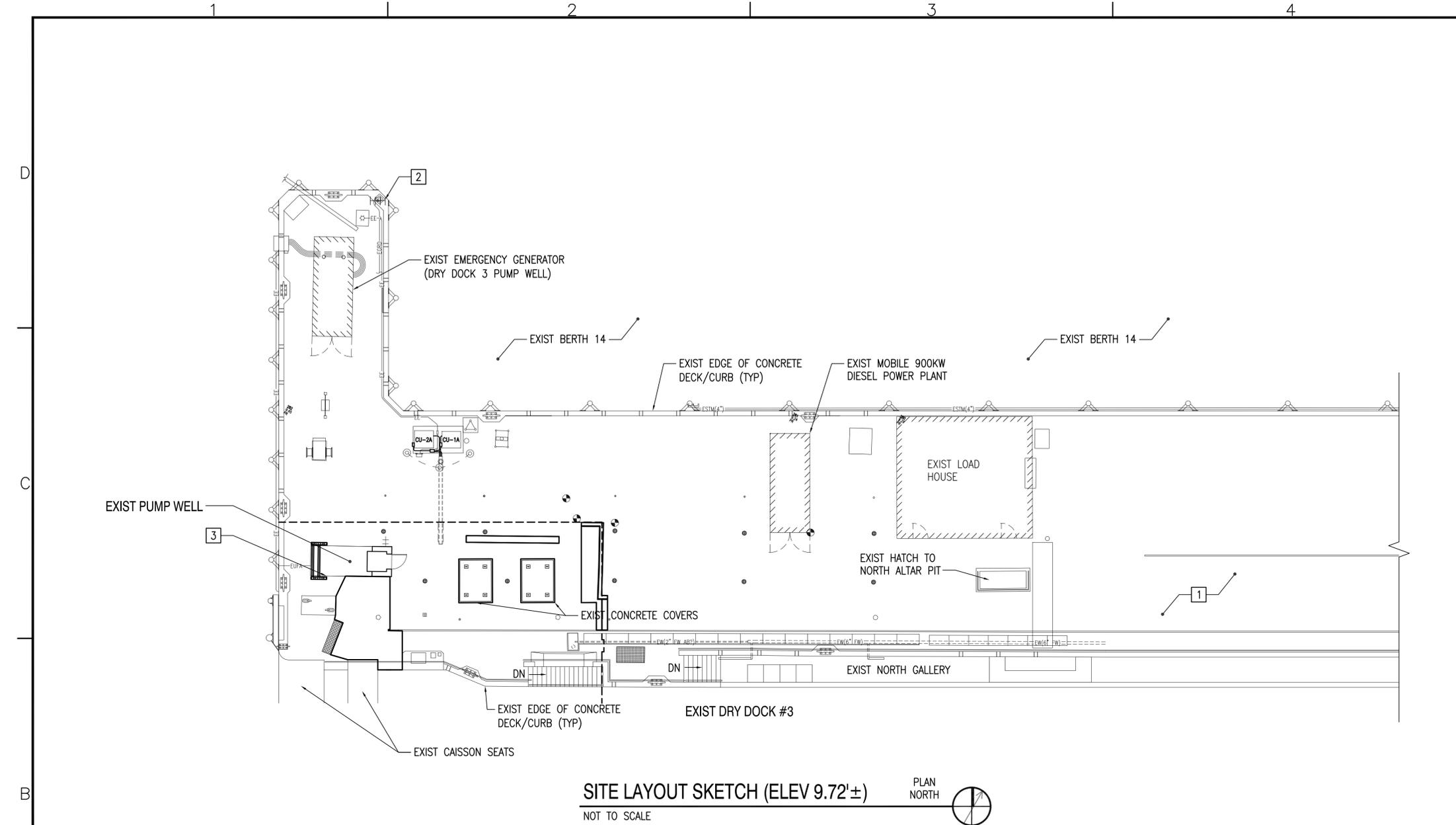
EPROJECT NO. 12686274

CONSTR. CONTR. NO. 6 OF 66

NAVAC DRAWING NO. G-006 DD3-14-665

SHEET 6 OF 66

DRAWING REVISION: 10 MARCH 2009



SITE LAYOUT SKETCH (ELEV 9.72'±)
NOT TO SCALE

GENERAL NOTE

1. FIRE PROTECTION FEATURES OF THE PUMP WELL SHOWN ON THE SITE LAYOUT SKETCH ARE SHOWN FOR GENERAL INFORMATION ONLY. REFER TO APPLICABLE CIVIL AND FIRE ALARM SHEETS FOR DESIGN INFORMATION.

KEYNOTES

1 EXISTING FIRE DEPARTMENT ACCESS.
2 EXISTING FIRE ALARM TRANSMITTER ANTENNA LOCATION.
3 FIRE ALARM CONTROL PANEL LOCATED INSIDE STAIRWAY AT INTERMEDIATE LANDING BETWEEN DECK LEVEL AND OPERATING LEVEL.

BUILDING CODE SUMMARY

CLASSIFICATION OF WORK: IECB ALTERATION LEVEL 1
OCCUPANCY CLASSIFICATION (NOT MODIFIED): F-1
TYPE OF CONSTRUCTION (NOT MODIFIED):
Combustible and Non-Combustible Construction,
Non-rated
IBC Type IIIB
NFPA Type III(200)
HEIGHT AND AREA (NOT MODIFIED):
Number of Stories: 3 stories plus Equipment Platforms
Floor Areas:
Operating Level: 900 square feet
Level 2: 640 square feet
Level 1: 390 square feet
EXTERIOR FIRE RESISTANCE RATINGS: NOT APPLICABLE
INTERIOR FIRE RESISTANCE RATINGS:
Stair Enclosure: 1 hour
STRUCTURAL ELEMENTS - FIRE RESISTANCE RATINGS
REQUIRED FOR THE TYPE OF CONSTRUCTION:
No Requirements

LIFE SAFETY CODE SUMMARY

CLASSIFICATION OF WORK: NFPA 101 Renovation
OCCUPANCY CLASSIFICATION (NOT MODIFIED):
Special Purpose Industrial (SPI)
OCCUPANCY LOAD FACTORS (NOT MODIFIED):
Special Purpose Industrial: NA (based on anticipated OL)
NUMBER OF EXITS:
1 Required/1 Provided
CAPACITY OF EGRESS COMPONENTS:
Clear Width per person:
0.2" per person for doors
0.3" per person for stairs
Maximum of 5 people for existing spiral stair.
Refer to sheets G-102 and G-103 for Occupant Load and Egress use.
SPIRAL STAIRS:
There are two existing spiral stair runs that are being removed and replaced. These are designed to comply with NFPA 101, Section 7.2.2.3.4, with the exception of tread depth. This cannot be compliant within the boundaries of the existing concrete walls. Because of the limited tread depth risers will remain open.

TRAVEL PATH REQUIREMENTS:
Common Path of Travel:
100' Allowable/60' Actual

GENERAL FIRE PROTECTION CODE INFORMATION

APPLICABLE LIFE SAFETY/BUILDING CODES, STANDARDS, DESIGN REFERENCES:
Unified Facilities Criteria (UFC) 1-200-01, dated July 1, 2013, General Building Requirements
UFC 3-600-01, dated March 1, 2013, Fire Protection Engineering for Facilities
UFC 3-600-10N, dated August 2007, Fire Protection Engineering
UFC 3-601-02, dated September 8, 2010, Operation and Maintenance: Inspection, Testing, and Maintenance of Fire Protection Systems
2012 International Building Code (IBC)
2012 International Existing Building Code (IEBC)
2014 NFPA 70, National Electrical Code
2013 NFPA 72, National Fire Alarm and Signaling Code
2012 NFPA 90A, Standard for the Installation of Air-Conditioning and Ventilating Systems
2012 NFPA 101, Life Safety Code
2013 NFPA 241, Standard for Safeguarding Construction, Alteration and Demolition Operations

AUTOMATIC SUPPRESSION SYSTEM: Not Sprinklered
FIRE DETECTION/ALARM SYSTEM: Existing zoned fire alarm system being removed and an addressable system being provided.

PROJ. NO.	1332591
CONSTR. CONTR. NO.	N40085-15-C-6109
NAVFAC DRAWING NO.	12686275
SHEET	7 OF 66
G-101	DD3-14-666

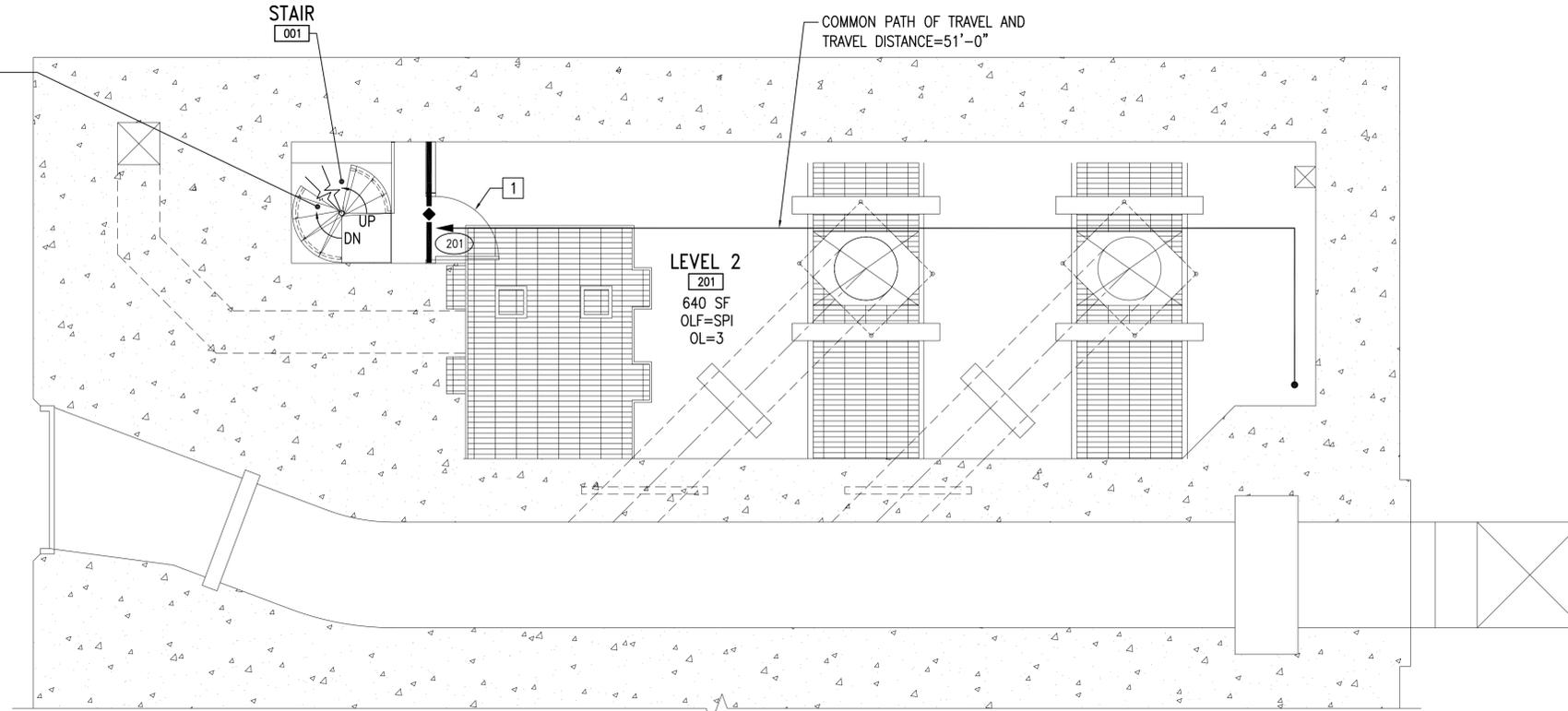
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND - MID-ATLANTIC
PORTSMOUTH NAVAL SHIPYARD - KITTERY, ME
NAVFAC
NAVAL SHIPYARD
KITTEERY, ME
DD3-14-666
DRY DOCK #3 PUMP WELL REPAIRS
CODE INFORMATION

FOR COMMANDER NAVFAC
ACTIVITY
SEE G-001 FOR DDCB BLOCK
SATISFACTORY TO DATE 01/07/15
DES LEC DRW SAS CHK PFD
PW/DM R C PANTEL
BRANCH MANAGER AMIN BAHROUR
CHIEF ENG/ARCH LCDR J ROCHE
FIRE PROTECTION P BAKAJ

STATE OF MAINE
LAURAE CLEBAR
No. 10417
LICENSED PROFESSIONAL ENGINEER
1/7/15
OAK POINT ASSOCIATES

NAVFAC
DATE: JAN 07, 2015
DATE: APRR

STAIR 001		
	WIDTH	CAPACITY
DOOR	32"	160
STAIR	22"	5
LIMIT		5
USE		3

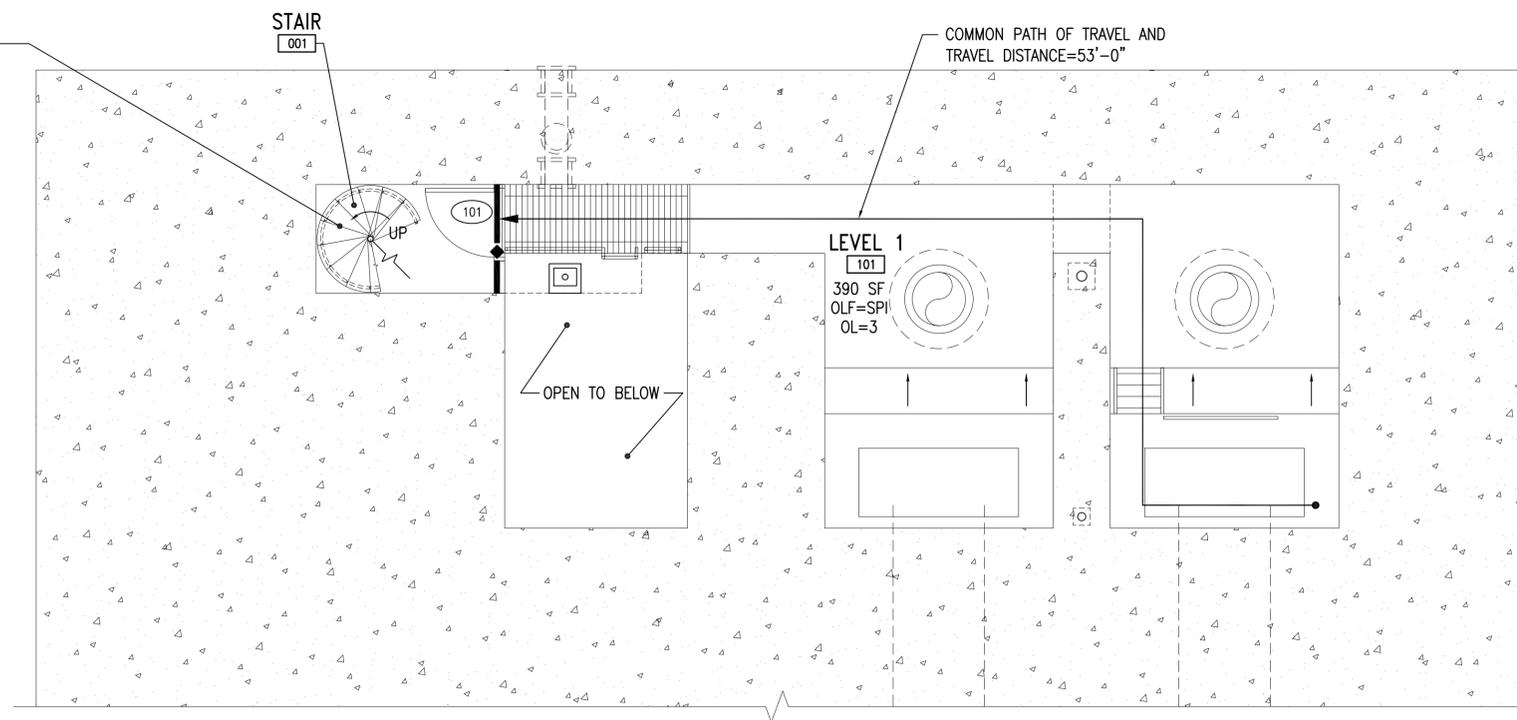


LEVEL 2 EGRESS AND FIRE RATING PLAN (ELEV -19.78'±)

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

G-103 **C2**

STAIR 001		
	WIDTH	CAPACITY
DOOR	32"	160
STAIR	22"	5
LIMIT		5
USE		3



LEVEL 1 EGRESS AND FIRE RATING PLAN (ELEV -36.78'±)

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

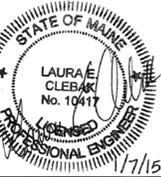
G-103 **A2**

GENERAL NOTE

- SEE SHEET G-102 FOR FIRE RATING GENERAL NOTES, FIRE RATING LEGEND AND LEGEND.

KEYNOTE

- DUE TO EXISTING FLOOR PLAN CONFIGURATION, DOOR CANNOT SWING IN DIRECTION OF EGRESS TRAVEL.



APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SEE G-001 FOR DDCB BLOCK

SATISFACTORY TO DATE 01/07/15

DES LEC DRW SAS CHK PFD

FW/DM R C PANTEL

BRANCH MANAGER AMIN BAHROUR

CHIEF ENG/ARCH LCDR J ROCHE

FIRE PROTECTION P BAKAJ

NAVAL FACILITIES ENGINEERING COMMAND

NAVAL FACILITIES ENGINEERING COMMAND - MID-ATLANTIC

PORTSMOUTH NAVAL SHIPYARD - BATTERY, ME

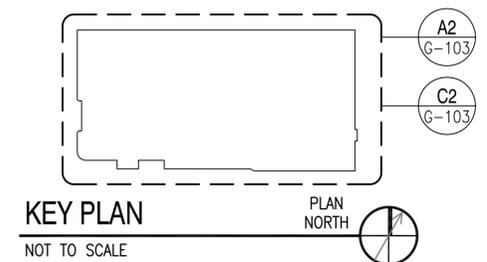
PROJ-NAME NAVAL SHIPYARD

NAVAL SHIPYARD

DRY DOCK #3 PUMP WELL REPAIRS

LEVEL 1 AND LEVEL 2

EGRESS AND FIRE RATING PLANS

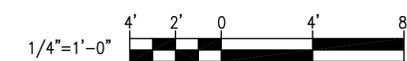


KEY PLAN

NOT TO SCALE

PLAN NORTH

GRAPHIC SCALE



CHECK GRAPHIC SCALE BEFORE USING

MAXIMO No:	
EPROJECT NO.:	1332591
CONSTR. CONTR. NO.:	N40085-15-C-6109
NAVFAC DRAWING NO.:	12686277
SHEET	9 OF 66
G-103	DD3-14-668

DRAWING REVISION: 10 MARCH 2009