

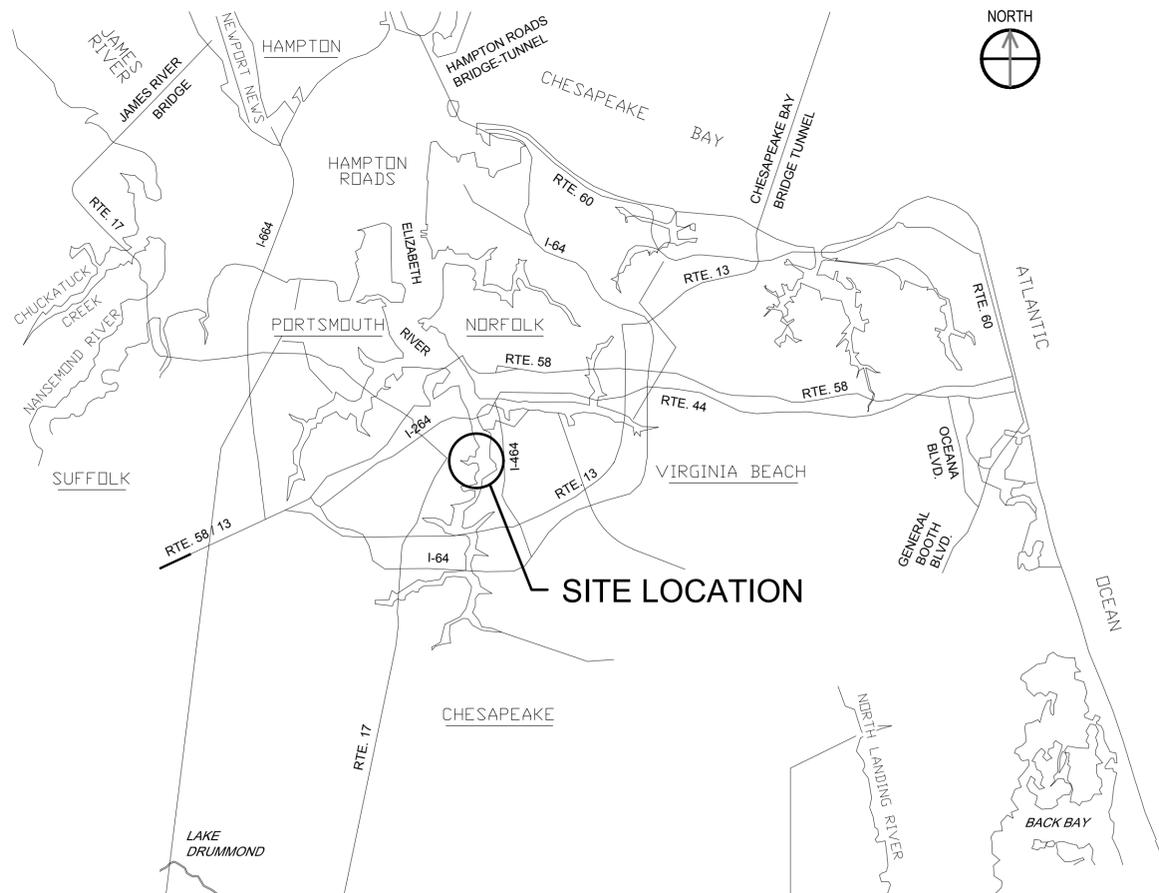
# DEMOLITION OF DRYDOCKS 6 AND 7

## NORFOLK NAVAL SHIPYARD • PORTSMOUTH, VIRGINIA

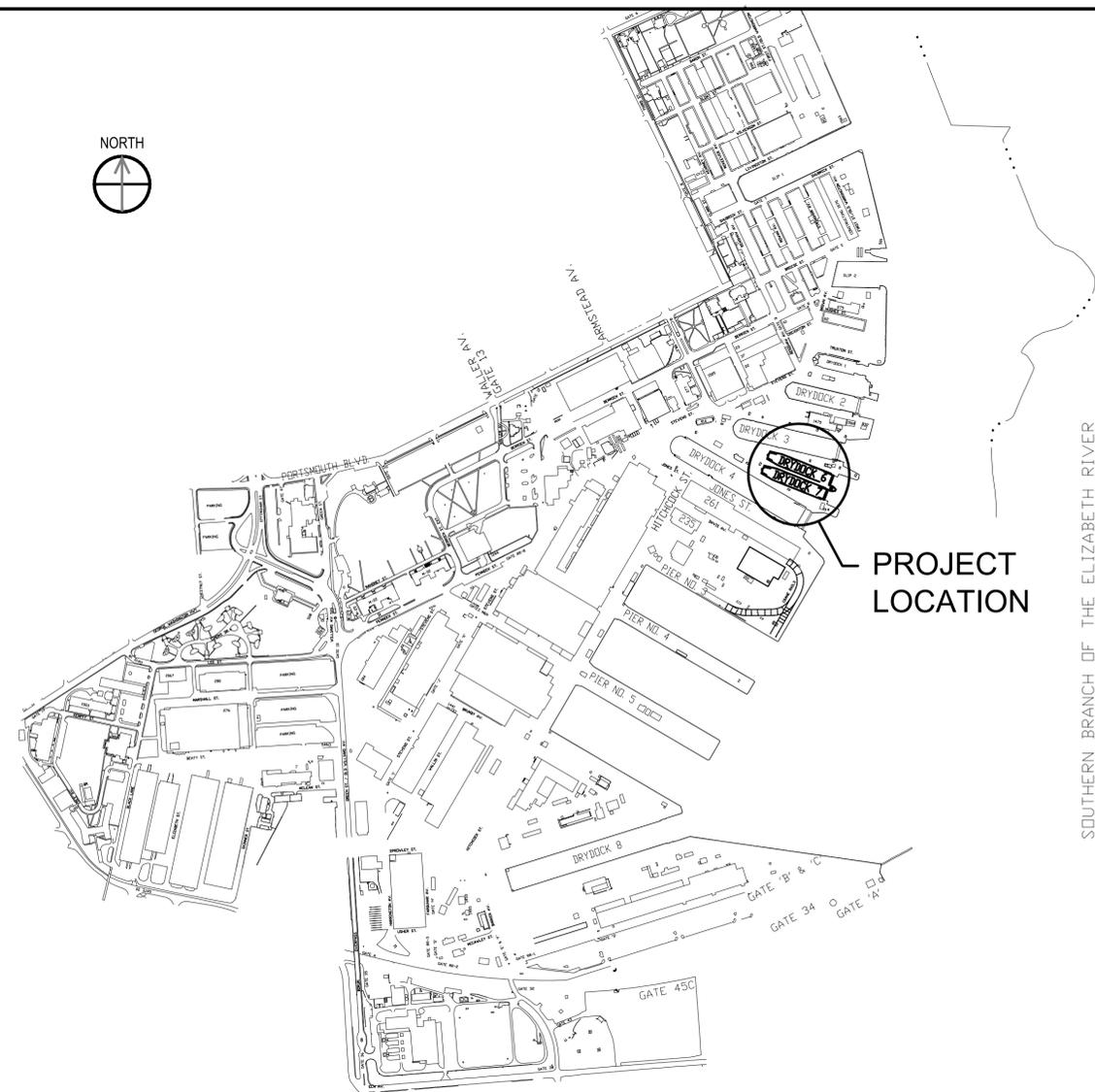
MARCH 2016

NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC

VICINITY MAP



LOCATION MAP



APPROVED	AE: NFO
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES	JWS [drw CRJ] CHK JWS
PM	John A. Moore, R.A.
BRANCH MANAGER	
CHIEF ENGINEER	
DATE	03/16/2016

DEPARTMENT OF THE NAVY  
 NAVAL FACILITIES ENGINEERING COMMAND  
 NAVAL FACILITIES ENGINEERING COMMAND ~ MID ATLANTIC  
 HAMPTON ROADS DISTRICT  
 NORFOLK NAVAL SHIPYARD  
 PORTSMOUTH, VIRGINIA  
**DEMOLITION DRYDOCKS 6 AND 7**  
 COVER SHEET

SCALE:	AS NOTED
PROJECT NO.:	568932
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12715648
SHEET	1 OF 90

**G-001**  
DRAWING REVISION: 10 MARCH 2009

FILE NAME: J:\NNSYCF\F4018\_CIF Final Design Contract\04\_CADD\NNSYCF Controlled Industrial Facility\Sheets\General\383DRYD-568932-G-001\_PLOTTED Wednesday, March 16, 2016 - 1:48pm USER: jmaaya

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DRAWING NUMBER	NAVFAC DRAWING NO.	SHEET NUMBER	SHEET TITLE
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### SHEET NOTE:

- DRAWINGS INCLUDE ALL OR PORTIONS OF PREVIOUSLY SIGNED AND SEALED DRAWINGS. REGISTRANT OF THE NEWLY APPLIED SEAL WITHIN THE BURNS & MCDONNELL BORDER ASSUMES RESPONSIBILITY ONLY FOR CHANGES INDICATED.

### DETAIL OR SECTION TITLE

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

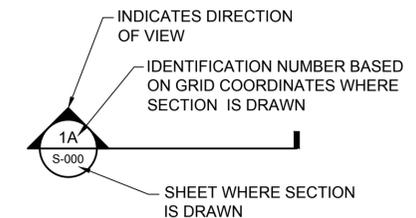
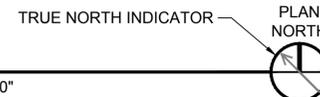
SHEET(S) ON WHICH DETAIL, SECTION, ELEVATION, OR PHOTO IS CALLED OUT (INCLUDE FIRST AND ATYPICAL LOCATIONS)

A-001, S-001



### PLAN

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



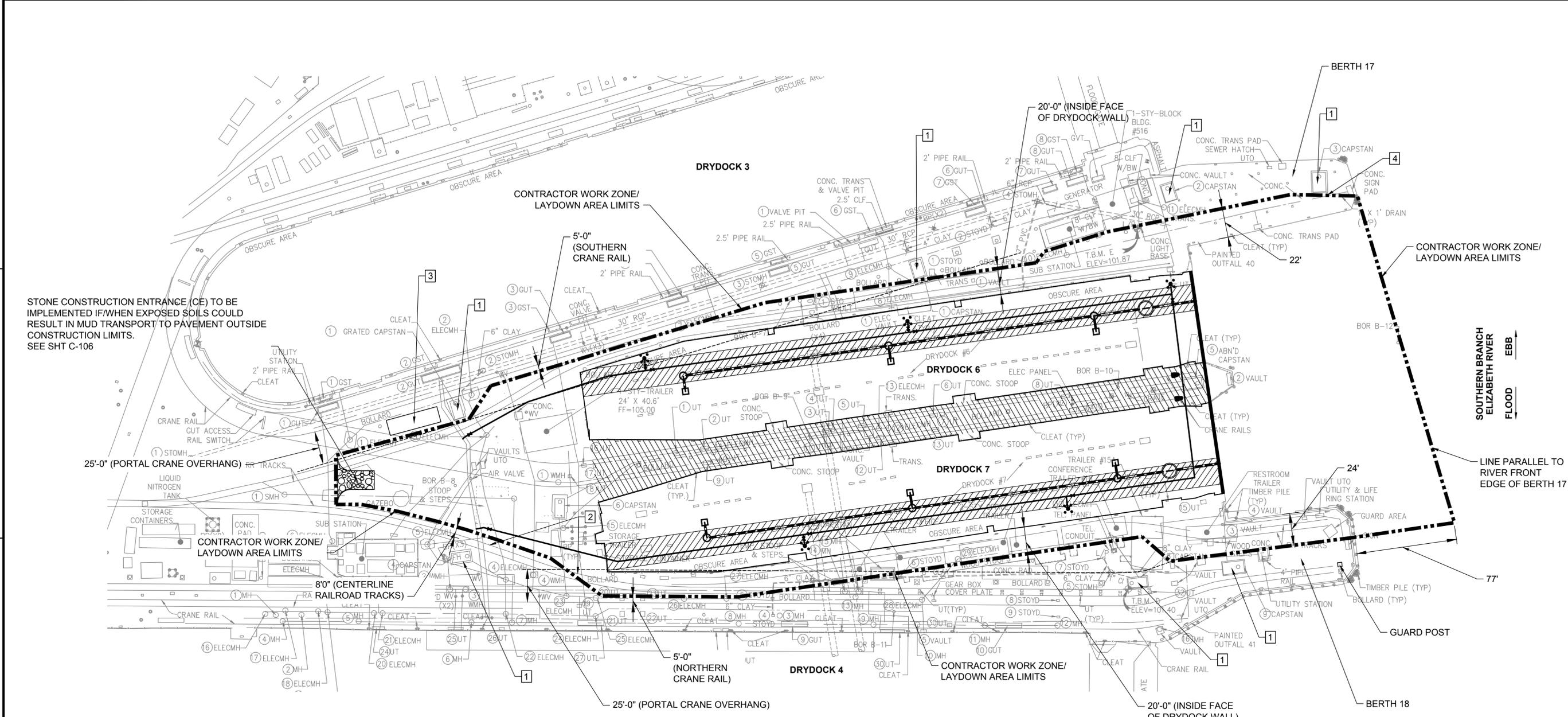
### SECTION INDICATOR

	
APPROVED FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES: JWS [drw CRJ] [chk JWS] PM: John A. Moore, R.A. BRANCH MANAGER CHIEF ENGINEER DATE: 03/16/2016	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND - MID ATLANTIC HAMPTON ROADS IPT NORFOLK NAVAL SHIPYARD NORFOLK, VIRGINIA	
DEMOLITION OF DRYDOCKS 6 AND 7 DRAWING INDEX	
SCALE: NONE EPROJECT NO.: 568932 CONSTR. CONTR. NO. NAVFAC DRAWING NO.: 12715649 SHEET 2 OF 90 <b>G-002</b> <small>DRAWFORM REVISION: 10 MARCH 2009</small>	

FILE NAME: J:\INNSYCF\94018\_CIF Final Design Contract\04\_CADD\NNSYCF\_Contract\Industrial Facility\Sheets\General\383DRYD-568932-G-002\_PLOTTED: Thursday, March 17, 2016 - 2:56pm USER: janyaya



FILE NAME: J:\NSYCF\64018\_CIF Final Design Contract\04\_CADD\03\_CIVIL\Construction Drawings\Final Drawings\Drydocks 6 & 7\3535DRYD-668932-C-004.dwg LAYOUT NAME: Layout\_PLOTTED: Wednesday, March 16, 2016 - 11:11am USER: janya



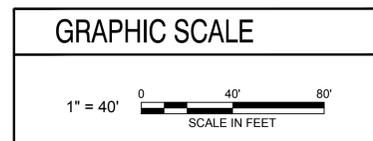
**KEYED NOTES:**

1. EXISTING CAPSTAN SHALL BE GOVERNMENT ACCESSIBLE AND OUTSIDE THE LIMITS OF CONSTRUCTION.
2. LIMITS OF CONSTRUCTION SHALL PARALLEL THE EDGE OF THE EXISTING EMERGENCY VEHICLE ACCESS LANE.
3. LIMITS OF CONSTRUCTION SHALL ALLOW ENOUGH SPACE FOR THE GOVERNMENT TO PLACE A 12' x 40' CONEX BOX WEST OF THE CAPSTAN AND 5'-0" OFF THE CRANE RAIL.
4. EXISTING CAPSTAN AND SIGN PAD SHALL BE OUTSIDE THE LIMITS OF CONSTRUCTION.

**SHEET NOTES:**

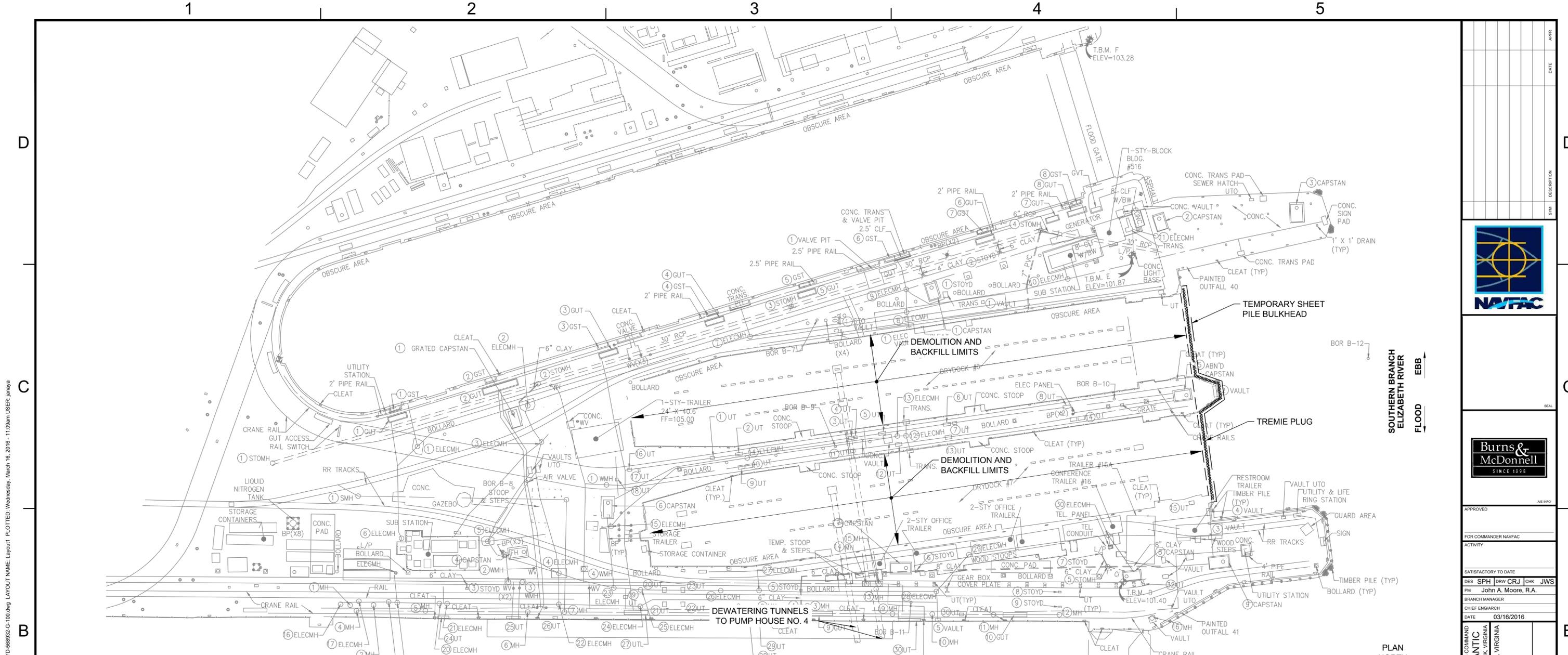
1. CONTRACTOR IS RESPONSIBLE FOR INSTALLING CONSTRUCTION FENCING AROUND PERIMETER OF WORK AREA. PLACEMENT OF GATES SHALL BE COORDINATED WITH NNSY.
2. FULL TIME ACCESS ZONES SHALL REMAIN CLEAR AND AVAILABLE TO GOVERNMENT AT ALL TIMES.
3. TEMPORARY CONSTRUCTION FENCE SHALL BE CHAINLINK, 8' MIN IN HEIGHT AND 10' MAX IN LENGTH BETWEEN POSTS.
4. PORTAL CRANE WILL OVERHANG THE CONTRACTOR'S WORK AREA (APPROX. 25 HORIZONTAL FEET FROM RAIL TO BACK OF CRANE) WITH APPROXIMATELY 25 FEET VERTICAL CLEARANCE (GRADE TO CRANE). CONTRACTOR SHALL COORDINATE WITH GOVERNMENT TO AVOID INTERFERENCES WITH PORTAL CRANES.

**CONTRACTOR WORK LIMITATIONS PLAN**  
SCALE 1" = 40'



 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">DATE</td> <td style="font-size: 8px;">APPR.</td> </tr> <tr> <td style="font-size: 8px;">DESCRIPTION</td> <td style="font-size: 8px;">BY</td> </tr> </table>	DATE	APPR.	DESCRIPTION	BY
DATE	APPR.				
DESCRIPTION	BY				
<p>APPROVED</p> <p>FOR COMMANDER NAVFAC</p> <p>ACTIVITY</p> <p>SATISFACTORY TO DATE</p> <p>DES: SPH [drw CRJ] CHK: JWS</p> <p>PM: John A. Moore, R.A.</p> <p>BRANCH MANAGER</p> <p>CHIEF ENGINEER</p> <p>DATE: 03/16/2016</p>					
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND - MID ATLANTIC HAMPDEN ROAD US IPT NORFOLK NAVAL SHIPYARD PORTSMOUTH, VIRGINIA	DEMOLITION DRYDOCKS 6 & 7 CONTRACTOR WORK LIMITATIONS PLAN				
SCALE: AS NOTED PROJECT NO.: 568932 CONSTR. CONTR. NO. NAVFAC DRAWING NO. 12715651 SHEET 4 OF 90 G-004 <small>DRAWING REVISION: 10 MARCH 2009</small>					





**CLOSURE PLAN**  
SCALE 1" = 40'



**GENERAL NOTES:**

**DRYDOCKS 6 & 7 CLOSURE PLAN AND SEQUENCE NOTES:**

1. INSTALL MONITORING DEVICES AND ESTABLISH MONITORING REGIMEN. COORDINATE LOCATION OF DEVICES WITH GOVERNMENT.
2. INSTALL MICOPILE UNDERPINNING IF TO BE INSTALLED IN THE "WET".
3. INSTALL TEMPORARY SHEET-PILE BULKHEAD AT ENTRANCE TO DRYDOCKS.
4. INSTALL TREMIE PLUG AT DRYDOCK ENTRANCE FLOOR TO CUTOFF AND SEAL DRYDOCKS.
5. DEWATER DRYDOCKS 6 & 7 BY PUMPING OUT DIRECTLY INTO RIVER.
6. CONTRACTOR SHALL NOTIFY CONTRACTING OFFICER WHEN DRYDOCKS DEWATERING IS COMPLETED. GOVERNMENT WILL PHOTOGRAPH DEWATERED CONDITION BEFORE CONSTRUCTION CONTINUES.
7. PROVIDE DEWATERING SYSTEM AT BASE OF TEMPORARY SHEET-PILE BULKHEAD AS REQUIRED TO KEEP DRYDOCKS DRY UNTIL BACKFILL OPERATION BEGINS.
8. INSTALL MICOPILE UNDERPINNING IF TO BE INSTALLED IN THE "DRY".
9. ISOLATE DRYDOCKS 6 & 7 FROM OTHER DRYDOCKS VIA ISOLATION PROVISIONS AS INDICATED AND SPECIFIED.
  - a. CONTRACTOR SHALL SEAL FLOODING AND DEWATERING TUNNELS, CHAMBERS, AND CONDUITS.
10. REMOVE AND DEMOLISH ALL STRUCTURES AND APPURTENANCES AS REQUIRED WITHIN DRYDOCKS.
  - a. CAP AND PERMANENTLY SEAL WATERTIGHT ALL UTILITIES THAT HAVE PENETRATION
  - b. REMOVE UTILITIES BACK TO MANHOLES, VALVES, AND TEES WHERE POSSIBLE.
11. CONSTRUCT PERMANENT BULKHEAD.
  - a. MAY BE DONE CONCURRENT WITH ISOLATION.
12. BACKFILL DRYDOCKS AS INDICATED AND NOTED TO PAVEMENT SUBGRADE ELEVATION.
13. INSTALL NEW BURIED STRUCTURES AND UTILITIES.
14. REMOVE TEMPORARY BULKHEAD.
15. PAVE SITE AS INDICATED AND NOTED.
16. PROVIDE GOVERNMENT WITH AS-BUILT DOCUMENTS (INCLUDING LOCATIONS OF MONITORING DEVICES) AND TRANSFER MONITORING PROGRAM TO GOVERNMENT.

**NOTE:**

1. DRYDOCK 6 AND 7 CAISSONS ARE REMOVED FROM SERVICE AND CANNOT BE USED FOR CLOSURE OR DEWATERING. DRYDOCKS WILL BE FLOODED PRIOR TO START OF CONSTRUCTION.

**SHEET NOTES:**

1. MEAN LOW WATER (MLW) = 93.43 MEAN HIGH WATER (MHW) = 96.18
2. TOP ELEVATION OF DRYDOCK 6 & 7 IS APPROXIMATELY 101.00.

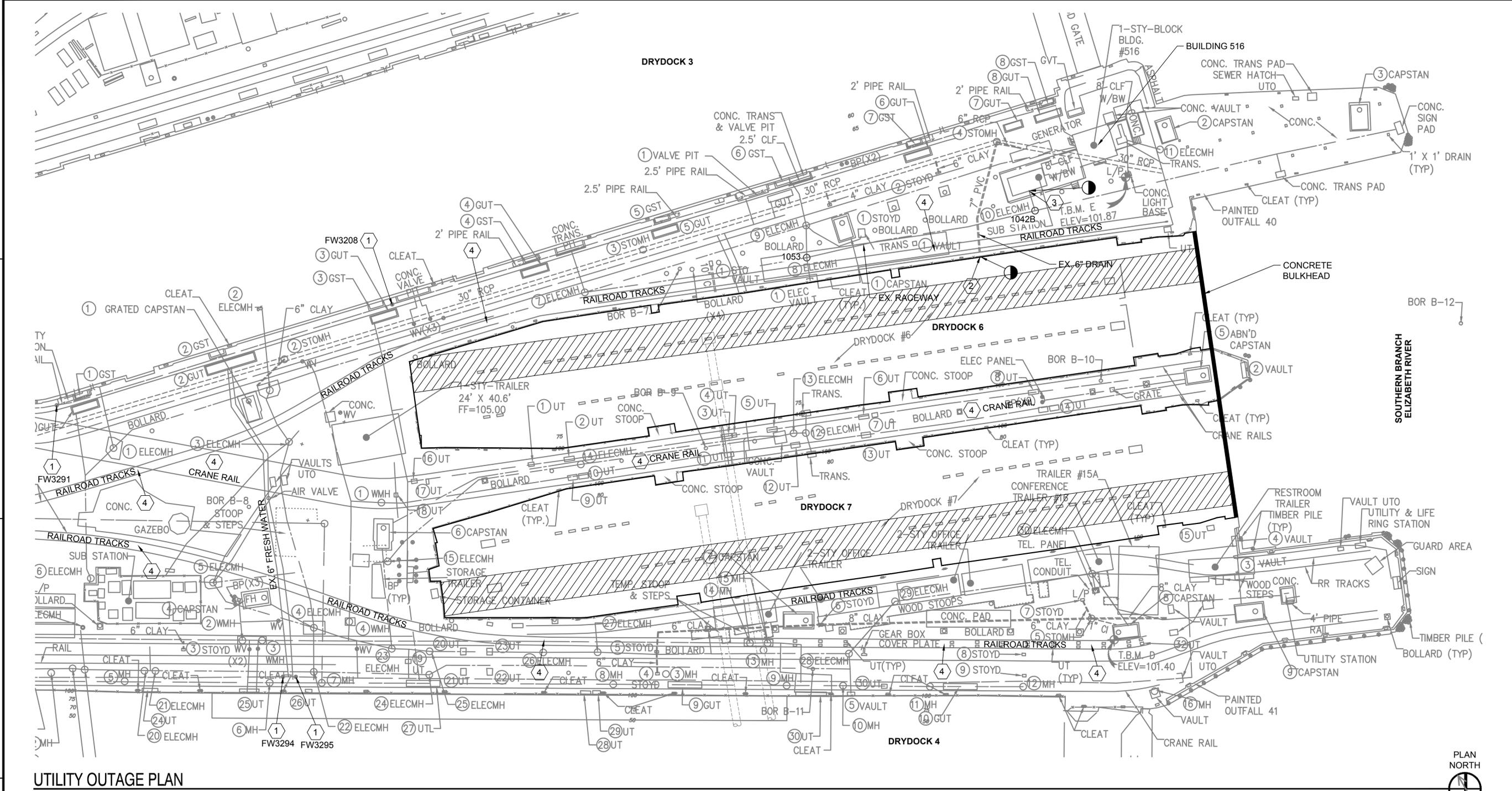
**GRAPHIC SCALE**



<p>DATE: _____</p> <p>DESCRIPTION: _____</p> <p>SYMBOL: _____</p>	<p>DATE: _____</p> <p>DESCRIPTION: _____</p> <p>SYMBOL: _____</p>
<p>APPROVED _____</p> <p>FOR COMMANDER NAVFAC _____</p> <p>ACTIVITY _____</p> <p>SATISFACTORY TO DATE _____</p> <p>DES: SPH [drw CRJ] [chk JWS]</p> <p>PM: John A. Moore, R.A.</p> <p>BRANCH MANAGER _____</p> <p>CHIEF ENGINEER _____</p> <p>DATE: 03/16/2016</p>	
<p>DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND HAMPDEN ROAD SUIT 101 PORTSMOUTH, VIRGINIA</p> <p>NAVAL FACILITIES ENGINEERING COMMAND ~ MID ATLANTIC PORTSMOUTH, VIRGINIA</p> <p>DEMOLITION DRYDOCKS 6 &amp; 7</p> <p>CLOSURE PLAN AND SEQUENCE</p>	
<p>SCALE: AS NOTED</p> <p>PROJECT NO.: 568932</p> <p>CONSTR. CONTR. NO. _____</p> <p>NAVFAC DRAWING NO. 12715653</p> <p>SHEET 6 OF 90</p> <p><b>G-100</b></p> <p><small>DRAWING REVISION: 10 MARCH 2009</small></p>	

FILE NAME: J:\INSTRY\F4018\_CIF Final Design Contract\04\_CADD\03\_CIVIL\Construction Drawings\Final Drawings\Drydocks 6 & 7\F4018DRYD668932-G-100.dwg LAYOUT NAME: Layout\_PLOTTED: Wednesday, March 16, 2016 - 11:09am USER: janya

FILE NAME: J:\INSTRY\CF64018\_CIF\_Final Design\Construction Drawings\Final Drawings\Drydocks 6 & 7\F3295DRYD6.dwg LAYOUT NAME: Layout1 PLOTTED: Wednesday, March 16, 2016 - 11:09am USER: janya



**UTILITY OUTAGE PLAN**

SCALE 1" = 30'

**UTILITY LEGEND**

---	EXISTING UNDERGROUND COMPRESSED AIR
-S-	EXISTING SANITARY SEWER
-G-	EXISTING GAS
-W-	EXISTING WATER
-E-	EXISTING UNDERGROUND ELECTRIC
-ST-	EXISTING UNDERGROUND STEAM
-SS-	EXISTING STORM SEWER
●	POINT OF DISCONNECTION
////	UTILITIES TO BE DEMOLISHED, REMOVED AND DISPOSED

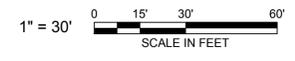
**SHEET NOTES**

- PROVIDE APPROVED OUTAGE PLAN PRIOR TO START OF WORK.
- ALL OUTAGES SHALL BE COORDINATED WITH THE OUTAGE COORDINATOR. CONTRACTOR SHALL SUBMIT OUTAGE REQUESTS FOR GOVERNMENT APPROVAL 15 DAYS PRIOR TO DESIRED OUTAGE DATE.
- ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
- THIS OUTAGE PLAN IS BASED ON SHIPYARD UTILITY MAPS THAT INDICATE THE LOCATIONS OF ACTIVE UTILITIES ONLY. MANY OF THE UTILITIES THAT ONCE SERVED DRYDOCKS 6 & 7 ARE ABANDONED IN PLACE AND NO LONGER IN SERVICE. CONTRACTOR SHALL VERIFY IF UTILITIES ARE ACTIVE PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITIES ASSOCIATED WITH THE DRYDOCKS.

**OUTAGE WORK NOTES**

- PROVIDE OUTAGE AND SECURE 6" FRESH WATER WITH VALVES AT THE LOCATIONS INDICATED (FW 3208, FW 3291, FW3294 & FW 3295). THE OUTAGE WILL AFFECT WATER SERVICE TO SOUTH SIDE OF DRYDOCK 3, BUILDING 516, NORTH SIDE OF DRYDOCK 4 AND BERTHS 16 THRU 19.
- CUT AND CAP EXISTING 6" DRAIN LINE AT DRYDOCK WALL.
- PROVIDE OUTAGE AND SECURE ELECTRICAL MANHOLES 1042B AND 1053. THE OUTAGE WILL AFFECT POWER AT SUBSTATION P1-E AND BUILDING 516.
- PROVIDE OUTAGE AND SECURE EXISTING CRANE RAILS AND RAILROAD TRACKS TO BE TAKEN OUT OF SERVICE DURING THE DURATION OF CONSTRUCTION ACTIVITIES.

**GRAPHIC SCALE**



 <b>NAVFAC</b>	 <b>Burns &amp; McDonnell</b> <small>SINCE 1938</small>
APPROVED: _____ FOR COMMANDER NAVFAC: _____ ACTIVITY: _____ SATISFACTORY TO DATE: _____ DES: SPH [drw CRJ] [chk DPS] PM: John A. Moore, R.A. BRANCH MANAGER: _____ CHIEF ENGINEER: _____ DATE: 03/16/2016	SEAL: _____ AEWFO: _____ NAVFACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND - MID ATLANTIC HAMPDEN ROAD JPT NORFOLK NAVAL SHIPYARD PORTSMOUTH, VIRGINIA <b>DEMOLITION DRYDOCKS 6 &amp; 7</b> UTILITY OUTAGE PLAN
SCALE: AS NOTED PROJECT NO.: 568932 CONSTR. CONTR. NO.: _____ NAVFAC DRAWING NO.: 12715654 SHEET 7 OF 90 <b>G-101</b> <small>DRAWING REVISION: 10 MARCH 2009</small>	