(1) KEYED NOTES:

STORM SCHEDULE:

(1) STOMH
RIM=100.66
UTO

(2) STOMH
RIM=100.36
BOT= 96.25
INV SW=94.72

(3) STOMH
RIM=100.43
BOT=92.80

(4) STOMH
RIM=100.32
BOT=92.40
INV SW=98.17
INV SE (HIGH)=98.02
INV SE (LOW)=92.40

(5) STOMH
RIM=100.60
BOT=94.50
INV N=97.11
INV E=99.22

(1) STOYD
RIM=100.14
TOP PIPE=98.29

(2) STOYD
RIM=100.20
INV=97.06

(3) STOYD
RIM=101.24
BOT=98.13
INV N=98.39

(4) STOYD
RIM=101.19
BOT=97.96
INV N=98.35

(5) STOYD
RIM=101.32
BOT=98.31
TOP VERT PIPE=98.87

(6) STOYD
RIM=100.71
BOT=99.41

(7) STOYD
RIM=100.46
INV=97.81

(8) STOYD
RIM=101.23
BOT=95.91
(FILLED W/DEBRIS)

(9) STOYD
RIM=101.33
BOT=96.86
(FILLED W/DEBRIS)

(1) STO VAULT
RIM=100.49
INV=99.27

(1) KEYED NOTES:

WATER UTILITY SCHEDULE:

(1) WMH
RIM=101.01
BOT=94.31

(2) WMH
RIM=101.37
BOT=96.77

(3) WMH
RIM=101.42
BOT=96.82

(4) WMH
RIM=101.39
BOT=95.19

(1) KEYED NOTES:

SANITARY SCHEDULE:

(1) SMH
RIM=100.77
BOT=91.90

(1) KEYED NOTES:

ELECTRIC UTILITIES SCHEDULE:

(1) ELECMH
RIM=100.40
BOT=90.75

(2) ELECMH
RIM=100.34
BOT=92.29

(3) ELECMH
RIM=100.58
UTO

(4) ELECMH
RIM=101.29
UTO

(5) ELECMH
RIM=101.33
BOT=93.78

(6) ELECMH
RIM=101.18
BOT=93.88

(7) ELECMH
RIM=100.99
BOT=91.34

(8) ELECMH
RIM=100.95
BOT=95.15

(9) ELECMH
RIM=100.33
BOT=91.68

(10) ELECMH
RIM=100.70
INV=92.35

(11) ELECMH
RIM=100.89
BOT=91.59

(12) ELECMH
RIM=101.46
BOT=94.46

(13) ELECMH
RIM=101.28
BOT=94.28

(14) ELECMH
RIM=101.30
UTO

(15) ELECMH
RIM=101.33
UTO

(16) ELECMH
RIM=101.37
BOT=94.27

(17) ELECMH
RIM=101.33
BOT=94.23

(18) ELECMH
RIM=101.34
BOT=94.34

(19) ELECMH
RIM=101.36
BOT=94.36

(20) ELECMH
RIM=101.38
BOT=94.28

(21) ELECMH
RIM=101.30
BOT=94.20

(22) ELECMH
RIM=101.40
BOT=92.10

(23) ELECMH
RIM=101.44
BOT=93.54

(24) ELECMH
RIM=101.52
BOT=90.92

(25) ELECMH
RIM=101.40
BOT=90.80

(26) ELECMH
RIM=101.52
BOT=93.92

(27) ELECMH
RIM=101.43
BOT=95.43

(28) ELECMH
RIM=101.37
BOT=90.17

(29) ELECMH
RIM=101.06
UTO

(30) ELECMH
RIM=100.87
UTO

(1) ELEC VAULT
RIM=101.14
UTO

(1) KEYED NOTES:

UTILITY TUNNEL SCHEDULE:

(1) GUT
RIM=100.41
BOT=95.46

(2) GUT
RIM=100.41
BOT=95.51

(3) GUT
RIM=100.40
BOT=95.40

(4) GUT
RIM=100.39
BOT=95.44

(5) GUT
RIM=100.40
BOT=95.45

(6) GUT
RIM=100.41
BOT=95.51

(7) GUT
RIM=100.47
BOT=187.97

(8) GUT
RIM=100.49
BOT=95.59

(9) GUT
RIM=100.60
BOT=94.00

(10) GUT
RIM=101.48
BOT=94.68

(1) GST
RIM=100.83
BOT=95.38

(2) GST
RIM=100.71
BOT=95.26

(3) GST
RIM=100.73
BOT=95.28

(4) GST
RIM=100.76
BOT=95.31

(5) GST
RIM=100.79
BOT=95.49

(6) GST
RIM=100.72
BOT=95.37

(7) GST
RIM=100.72
BOT=95.37

(8) GST
RIM=100.74
BOT=95.39

(1) UT
RIM=101.19
UTO

(2) UT
RIM=101.32
UTO

(3) UT
RIM=101.53
UTO

(4) UT
RIM=101.46
UTO

(5) UT
RIM=101.29
UTO

(6) UT
RIM=101.38
BOT=97.88

(7) UT
RIM=101.14
BOT=97.64

(8) UT
RIM=101.13
BOT=97.63

(9) UT
RIM=101.34
UTO

(10) UT
RIM=101.41
UTO

(11) UT
RIM=101.25
UTO

(12) UT
RIM= 101.28
UTO

(13) UT
RIM=101.34
UTO

(14) UT
RIM=101.12
BOT=94.77

(15) UT
RIM=101.15
UTO

(16) UT
RIM=101.08
BOT=98.08

(17) UT
RIM=101.32
UTO

(18) UT
RIM=101.03
UTO

(19) UT
RIM=101.34
BOT=96.14

(20) UT
RIM=101.45
UTO

(21) UT
RIM=101.38
UTO

(22) UT
RIM=101.47
UTO

(23) UT
RIM=101.51
UTO

(24) UT
RIM=101.23
UTO

(25) UT
RIM=101.25
BOT=98.95

(26) UT
RIM=101.30
UTO

(27) UT
RIM=101.60
BOT=95.00

(28) UT
RIM=101.35
UTO

(29) UT
RIM=101.35
BOT=98.35

(30) UT
RIM=101.36
BOT=98.94

(31) UT
RIM=101.49
UTO

(32) UT
RIM=101.19
BOT=98.94

(1) KEYED NOTES:

MISCELLANEOUS STRUCTURE SCHEDULE:

(1) CAPSTAN 16
RIM=102.08
BOT=96.78

(2) CAPSTAN 17
RIM=102.15
BOT=96.55

(3) CAPSTAN 18
RIM=102.02
BOT=97.92

(4) CAPSTAN 23
RIM=102.57
BOT=97.77

(5) ABN'D CAPSTAN
RIM=102.73
BOT=97.68

(6) CAPSTAN 22
RIM=102.08
BOT=97.73

(7) CAPSTAN 21
RIM=102.28
BOT=98.18

(8) CAPSTAN 20
RIM=101.40
BOT=96.72

(9) CAPSTAN 43
RIM=103.53
(FILLED W/DEBRIS)

(1) GRATED CAPSTAN
RIM=102.08
BOT=97.68

(1) VAULT
RIM=100.85
BOT=98.95

(2) VAULT
RIM=100.87
UTO

(3) VAULT
RIM=100.99
UTO

(4) VAULT
RIM=101.01
UTO

(5) VAULT
RIM=101.42
UTO

(1) MH
RIM=101.40
BOT=93.80

(2) MH
RIM=101.31
BOT=94.31

(3) MH
RIM=101.41
BOT=78.31

(4) MH
RIM=101.46
BOT=94.86

(5) MH
RIM=101.43
BOT=94.83

(6) MH
RIM=101.47
BOT=94.87

(7) MH
RIM=101.51
BOT=94.91

(8) MH
RIM=101.51
BOT=94.91

(9) MH
RIM=101.55
BOT=94.95

(10) MH
RIM=101.53
BOT=94.93

(11) MH
RIM=101.42
BOT=84.82

(12) MH
RIM=101.42
BOT=94.62

(13) MH
RIM=101.48
BOT=93.58

(14) MH
RIM=101.54
BOT=96.79

(15) MH
RIM=101.50
BOT=96.75

(16) MH
RIM=101.52
BOT=93.66

(1) VALVE PIT
RIM=100.22
BOT=197.99

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COLORADO REGISTERED PROFESSIONAL ENGINEER STEVEN P. HANSEN 38438

Burns & McDonnell SINCE 1898

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY D.W. HARRIS 3/22/16

SATISFACTORY TO DATE

DES SPH | DRW CRJ | CHK DPS

PM John A. Moore, R.A.

BRANCH MANAGER

CHIEF ENG/ARCH

DATE 03/16/2016

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HAMPTON ROADS IPT
NORFOLK NAVAL SHIPYARD

NAVAL FACILITIES ENGINEERING COMMAND ~ MID ATLANTIC
NORFOLK, VIRGINIA
PORTSMOUTH, VIRGINIA

DEMOLITION DRYDOCKS 6 & 7

SURVEY SCHEDULES

SCALE: AS NOTED

EPROJECT NO.: 568932

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12715683

SHEET 36 OF 90

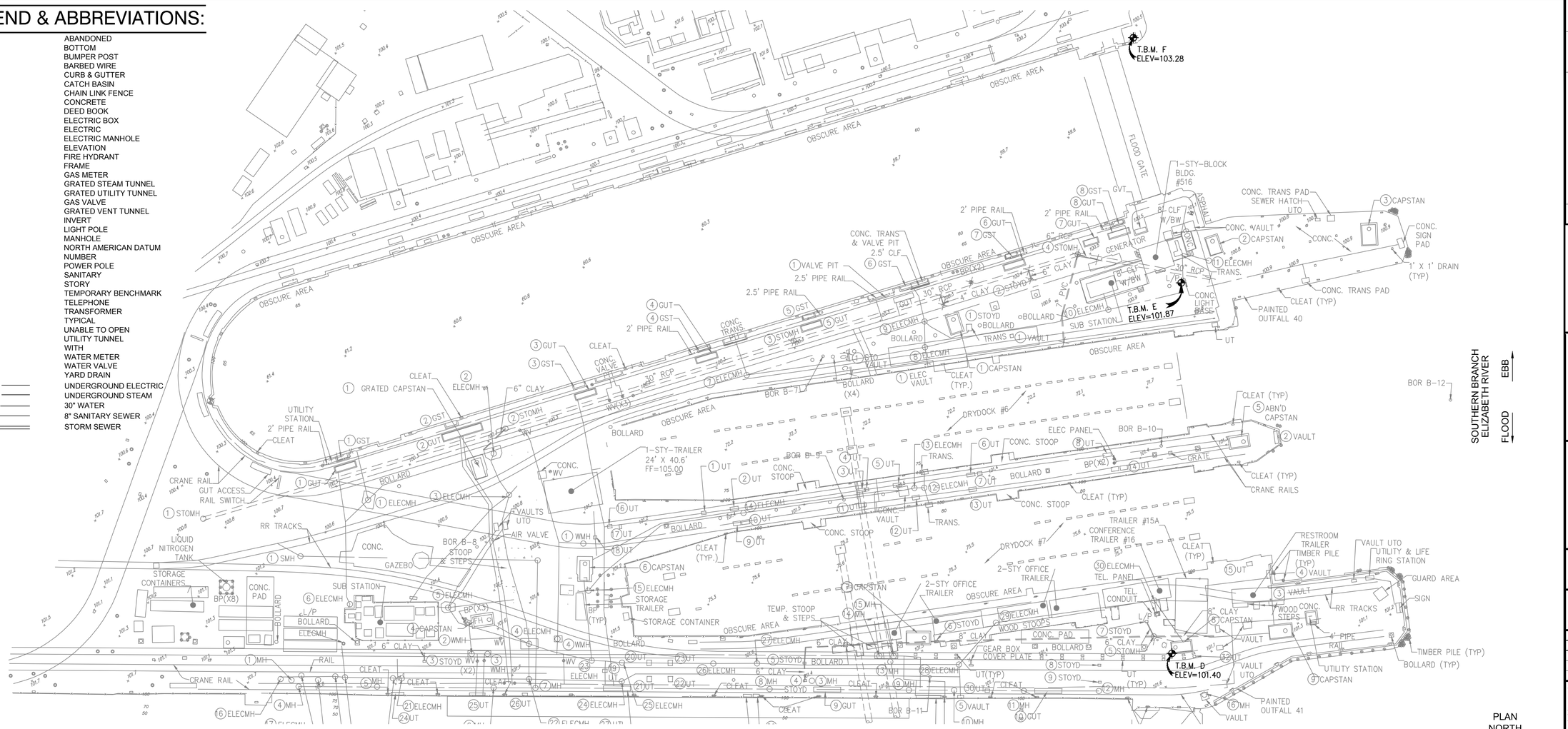
V-001

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: J:\NNSY\CIF\54918_CIF Final Design Contract\04_CADD\03_CIVIL\Construction Drawings\Final Drawings\Drydocks 6 & 7\P383DRYD-568932-V-001.dwg LAYOUT NAME: Layout1 PLOTTED: Wednesday, March 16, 2016 - 11:08am USER: janaya

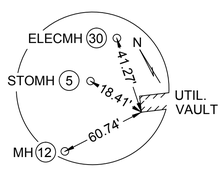
LEGEND & ABBREVIATIONS:

ABN'D.	ABANDONED
BOT	BOTTOM
BP	BUMPER POST
BW	BARBED WIRE
C&G	CURB & GUTTER
CB	CATCH BASIN
CLF	CHAIN LINK FENCE
CONC.	CONCRETE
D.B.	DEED BOOK
EB	ELECTRIC BOX
ELEC	ELECTRIC
ELECMH	ELECTRIC MANHOLE
ELEV.	ELEVATION
FH	FIRE HYDRANT
FR	FRAME
GM	GAS METER
GST	GRATED STEAM TUNNEL
GUT	GRATED UTILITY TUNNEL
GV	GAS VALVE
GVT	GRATED VENT TUNNEL
INV	INVERT
L/P	LIGHT POLE
MH	MANHOLE
NAD	NORTH AMERICAN DATUM
NO.	NUMBER
P/P	POWER POLE
SAN	SANITARY
STY	STORY
T.B.M.	TEMPORARY BENCHMARK
TEL.	TELEPHONE
TRANS.	TRANSFORMER
(TYP.)	TYPICAL
UTO	UNABLE TO OPEN
UT	UTILITY TUNNEL
W/	WITH
WM	WATER METER
WV	WATER VALVE
YD	YARD DRAIN
UGE	UNDERGROUND ELECTRIC
UST	UNDERGROUND STEAM
30"W	30" WATER
8"S	8" SANITARY SEWER
	STORM SEWER

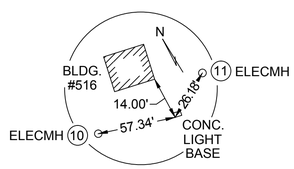


EXISTING CONDITIONS PLAN

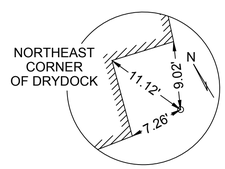
SCALE 1" = 40'



TBM "D"
EL. = 101.40



TBM "E"
EL. = 101.87



TBM "F"
EL. = 103.28

ELEVATIONS SHOWN HEREON ARE IN FEET AND ARE REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM 1929, (72 ADJUSTMENT) ((NGVD29)(72 ADJ)) . ELEVATIONS WERE ADJUSTED TO NORFOLK NAVAL SHIPYARD DATUM BY ADDING 92.94

BENCH MARK:
433 ELEV = 10.776 (103.716)

BENCHMARKS

SITE TEMPORARY BENCH MARKS ARE SHOWN THUS:

T.B.M. "D" IS A "□" SET IN THE SOUTHEAST CORNER OF A UTILITY VAULT ON THE NORTH SIDE OF PID #4.
EL. = 101.40

T.B.M. "E" IS A "□" SET IN THE SOUTHEAST CORNER OF A LIGHT BASE LOCATED AT THE SOUTHEAST CORNER OF BUILDING #516 BETWEEN PIERS 6 & 3.
EL. = 101.87

T.B.M. "F" IS A "□" SET IN THE TOP OF CONCRETE COPING ON THE NORTHEAST CORNER OF DRYDOCK #3.
EL. = 103.28

(1) KEYED NOTES:

BORING SCHEDULE:

BOR B-7
NORTHING: 3465181.9303
EASTING: 12128565.6919
ELEV: 100.63

BOR B-8
NORTHING: 3465187.7404
EASTING: 12128273.6564
ELEV: 100.51

BOR B-9
NORTHING: 3465082.2338
EASTING: 12128525.9677
ELEV: 101.51

BOR B-10
NORTHING: 3464999.5981
EASTING: 12128749.0202
ELEV: 100.98

BOR B-11
NORTHING: 3464937.2028
EASTING: 12128515.6040
ELEV: 101.66

BOR B-12
NOT SURVEYED-IN RIVER

SHEET NOTES:

1. MEAN LOW WATER (MLW) = 93.43
   MEAN HIGH WATER (MHW) = 96.18

*TOPOGRAPHIC SURVEY PROVIDED BY BALDWIN & GREGG, LTD., DECEMBER 2009.

GRAPHIC SCALE

1" = 40'
0 20' 40' 80'
SCALE IN FEET

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COLORADO REGISTERED STEVEN P. HANSEN 38438 PROFESSIONAL ENGINEER 03/16/16

Burns & McDonnell SINCE 1898

A/E INFO

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ACTIVITY

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DES SPH DRW CRJ CHK DPS
PM John A. Moore, R.A.
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DATE 03/16/2016

DEPARTMENT OF THE NAVY
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NORFOLK, VIRGINIA
NORFOLK NAVAL SHIPYARD
PORTSMOUTH, VIRGINIA
DEMOLITION DRYDOCKS 6 & 7
SURVEY / EXISTING CONDITIONS PLAN

SCALE: AS NOTED
EPROJECT NO.: 568932
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12715684
SHEET 37 OF 90
V-101

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: J:\NNSY\CIF\54018_CIF Final Design Contract\04_CADD\03_CIVIL\Construction Drawings\Final Drawings\Drydocks 6 & 7\P383\DRYD-568932-V-101.dwg LAYOUT NAME: Layout1 PLOTTED: Wednesday, March 16, 2016 - 11:08am USER: janaya