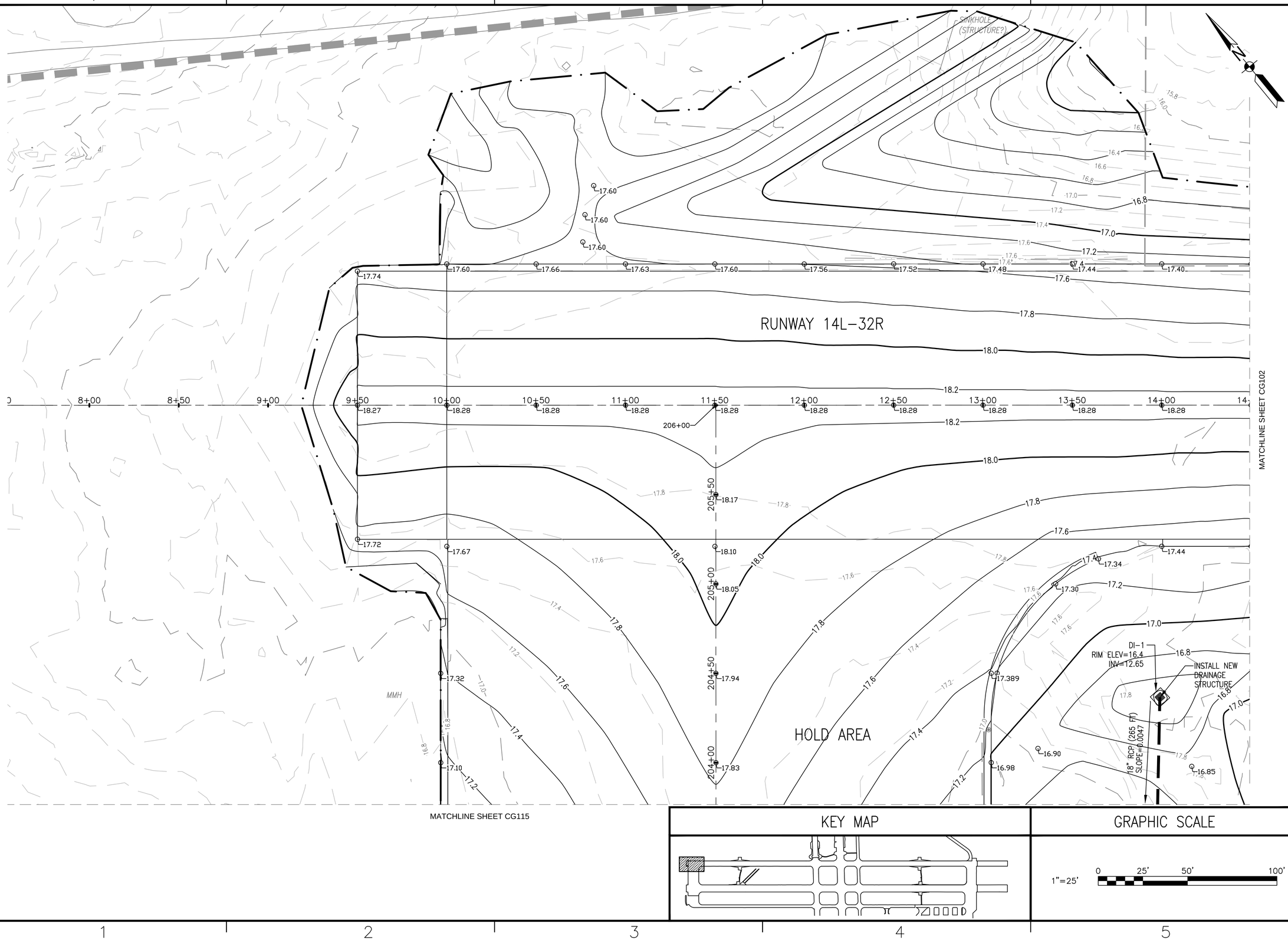


KEY MAP

GRAPHIC SCALE

1"=25'

0 25' 50' 100'

APPR	DATE	DESCRIPTION	SYM

NAVFAC

Mark J. Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES	MJT	DRW	DFD	CHK	ELO

PM/DM

BRANCH MANAGER *BJL*

CHIEF ENG/ARCH

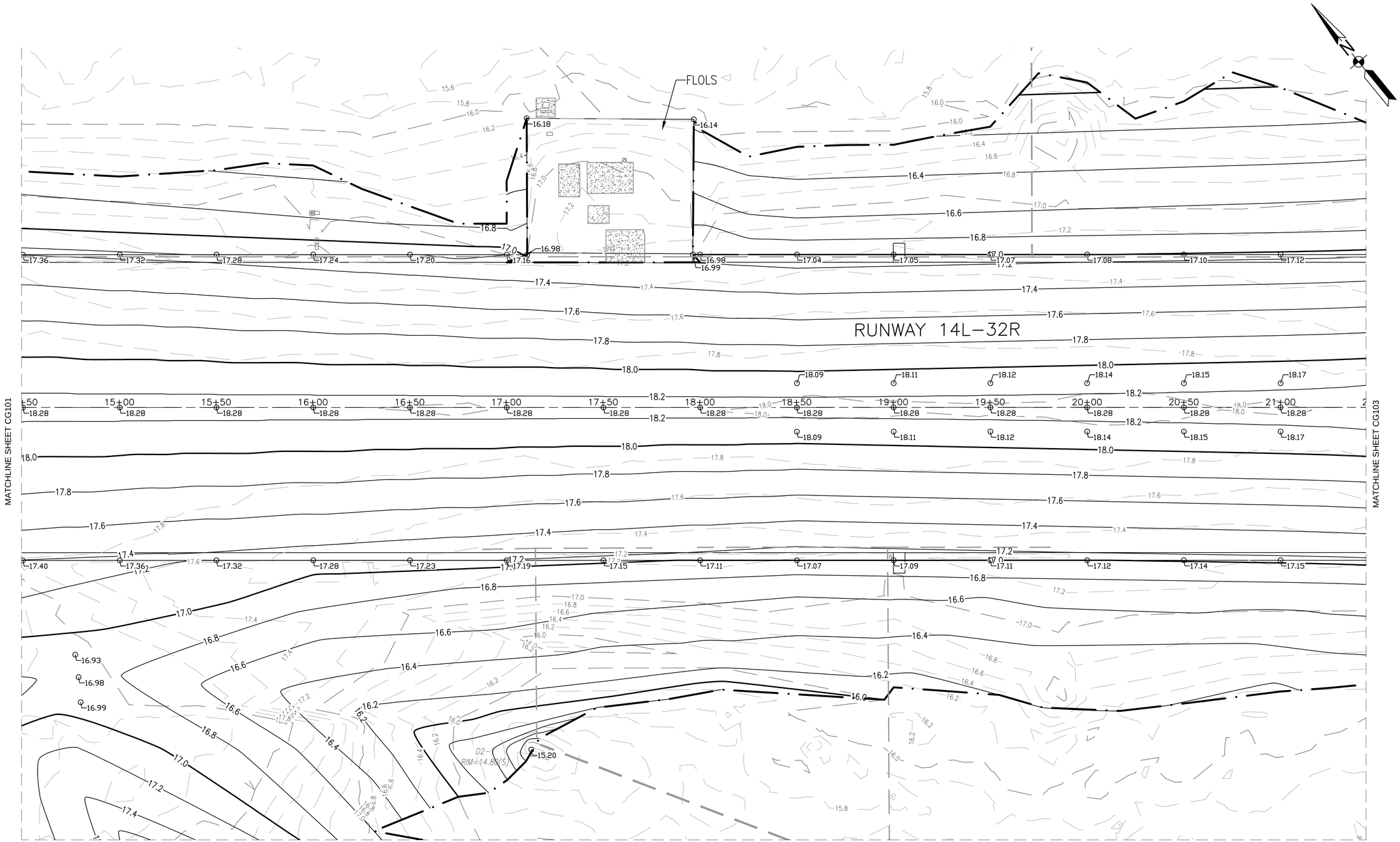
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NAVFAC MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING
GRADING AND DRAINAGE PLAN
STA: 7+54 TO 14+48

SCALE:	AS NOTED
EPROJECT NO.:	1312624
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12690087
SHEET	76 OF 315

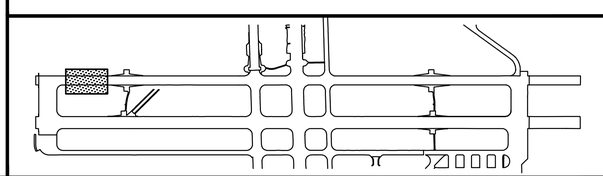
CG101

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-101.dwg LAYOUT NAME: CG101 PLOTTED: Monday, March 23, 2015 - 2:42pm USER: ddschille



KEY MAP



GRAPHIC SCALE

1"=25' 0 25' 50' 100'

APPR	DATE	DESCRIPTION	SYM

NAVFAC

Mark Tiger
COMMONWEALTH OF VIRGINIA
REGISTERED
PROFESSIONAL
MARK J TIGER
ENGINEER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES	MJT	DRW	DFD	CHK	ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

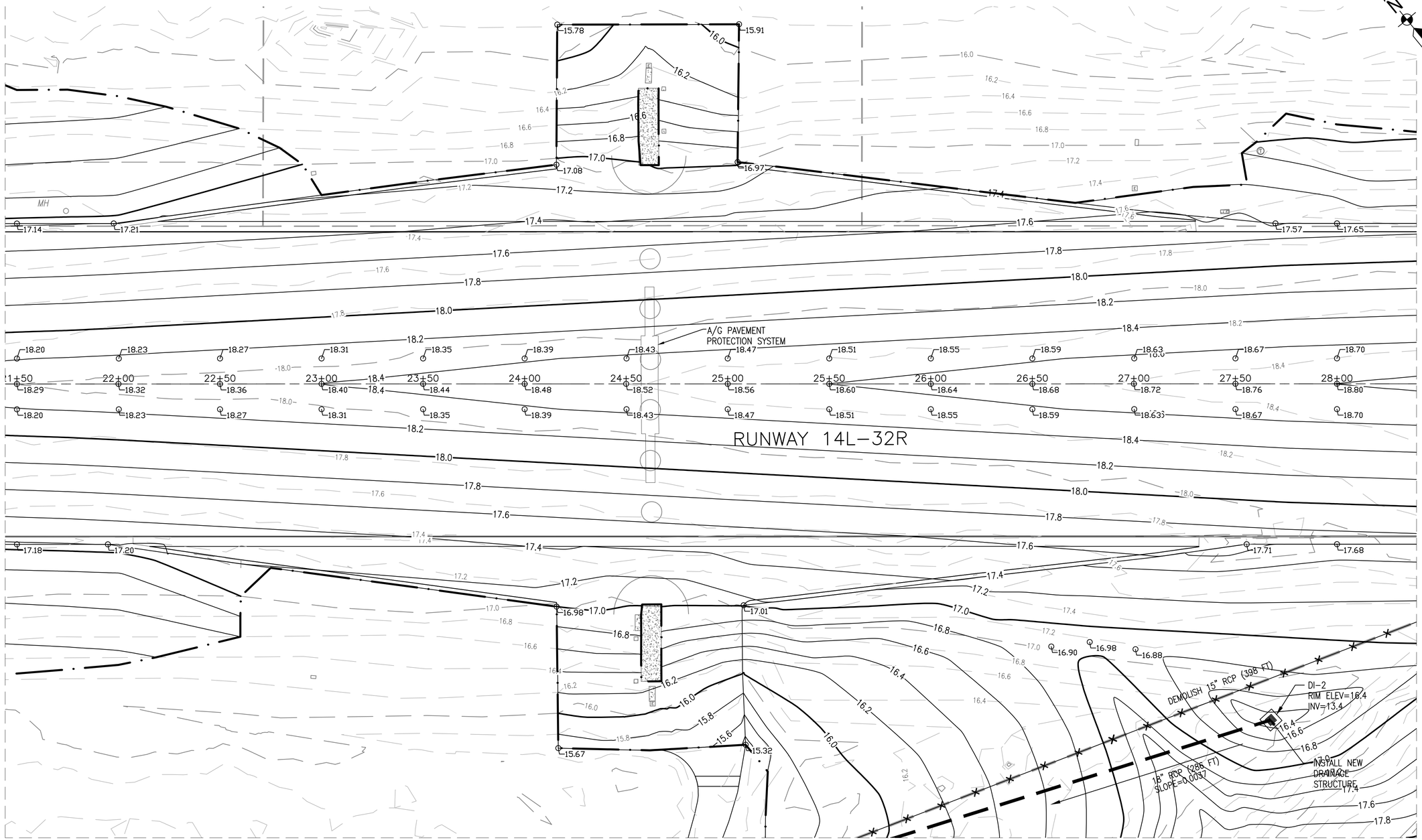
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
HR IPT
NAVFAC MID-ATLANTIC
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING
GRADING AND DRAINAGE PLAN
STA: 14+48 TO 21+44

SCALE:	AS NOTED
EPROJECT NO.:	1312624
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12690088
SHEET	77 OF 315

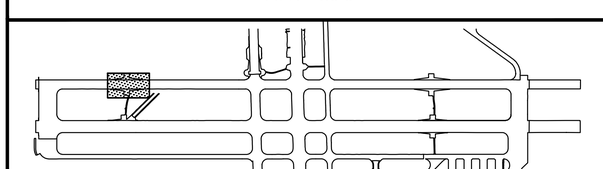
CG102

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-102.dwg LAYOUT NAME: CG102 PLOTTED: Monday, March 23, 2015 - 2:44pm USER: ddschille



KEY MAP



GRAPHIC SCALE

1"=25'

0 25' 50' 100'

NAVFAC

Mark Tiger

MARK J TIGER

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

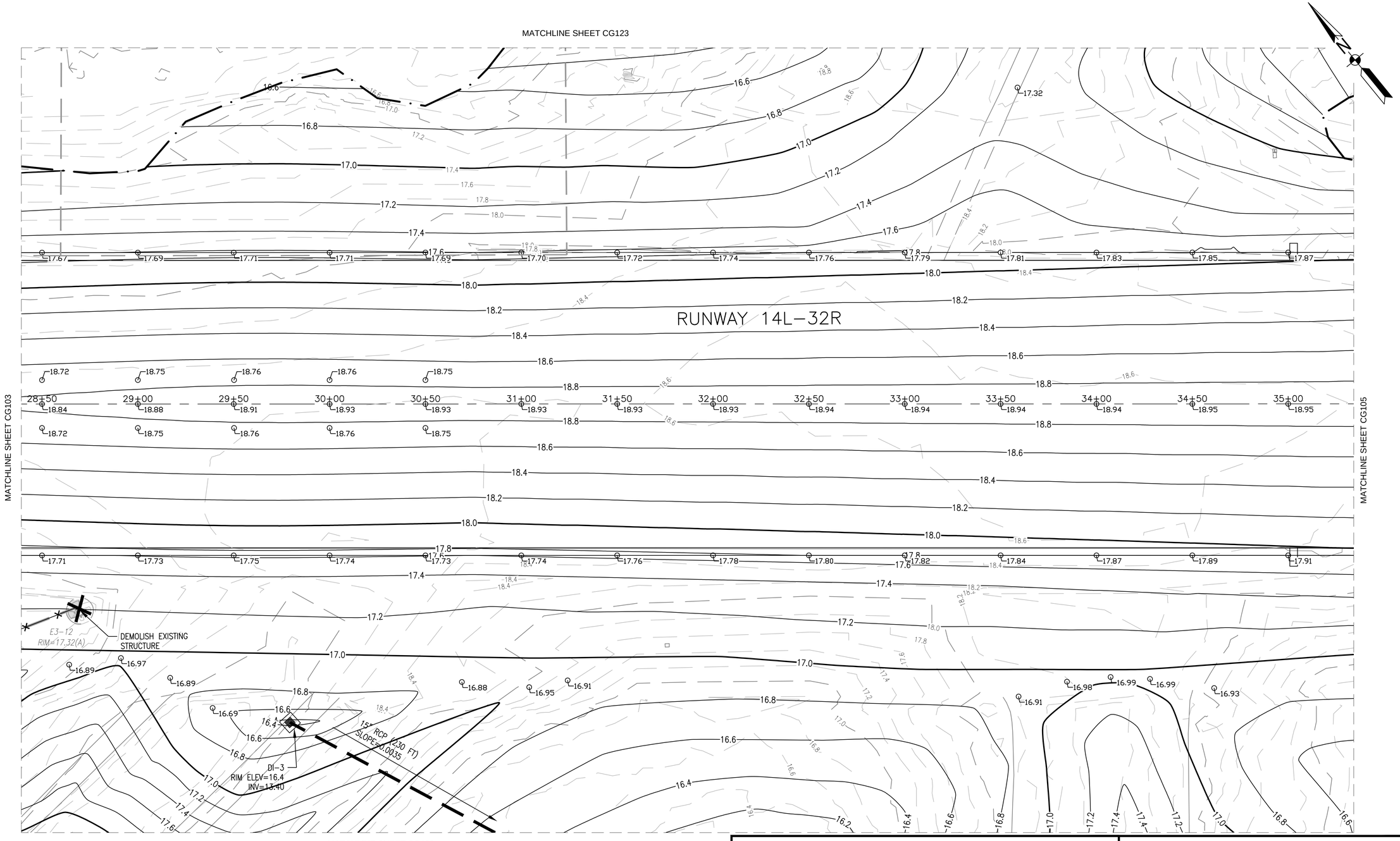
GRADING AND DRAINAGE PLAN
STA: 21+44 TO 28+39

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690089
SHEET 78 OF 315

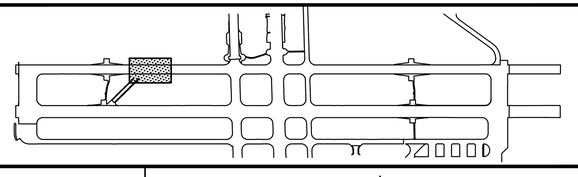
CG103

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-103.dwg LAYOUT NAME: CG103 PLOTTED: Monday, March 23, 2015 - 2:45pm USER: ddachille



KEY MAP



GRAPHIC SCALE

1"=25'

0 25' 50' 100'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

Mark Tiger

MARK J TIGER
REGISTERED PROFESSIONAL ENGINEER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
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272 Bendix Road, Suite 260
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Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

HR IPT

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

GRADING AND DRAINAGE PLAN
STA: 28+39 TO 35+34

SCALE: AS NOTED

EPROJECT NO.: 1312624

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12690090

SHEET 79 OF 315

CG104

DRAWFORM REVISION: 10 MARCH 2009

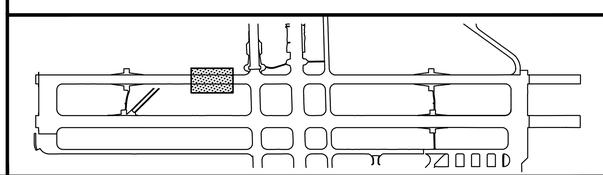
FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-104.dwg LAYOUT NAME: CG104 PLOTTED: Monday, March 23, 2015 - 2:47pm USER: ddachille

RUNWAY 14L–32R

MATCHLINE SHEET CG104

MATCHLINE SHEET CG106

KEY MAP



GRAPHIC SCALE

1"=25'

0 25' 50' 100'

DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
HR IPT	NAVFAC MID-ATLANTIC
NAVAL AIR STATION OCEANA	NORFOLK, VIRGINIA
VIRGINIA BEACH, VIRGINIA	
SPECIAL PROJECT RM10-9004	
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING	
GRADING AND DRAINAGE PLAN	
STA. 35+34 TO 42+29	

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Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT | DRW DFD | CHK ELO

PM/DM

BRANCH MANAGER BJC

CHIEF ENG/ARCH

SCALE: AS NOTED

EPROJECT NO.: 1312624

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12690091

SHEET 80 OF 315

CG105

DRAWFORM REVISION: 10 MARCH 2009

APPR | DATE | DESCRIPTION | NO.

FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-105.dwg LAYOUT NAME: CG105 PLOTTED: Monday, March 23, 2015 - 2:49pm USER: ddschille

RUNWAY 5L–23R

RUNWAY 14L–32R

ARRESTING GEAR #5

EHH

ADVANCE T. SIGN

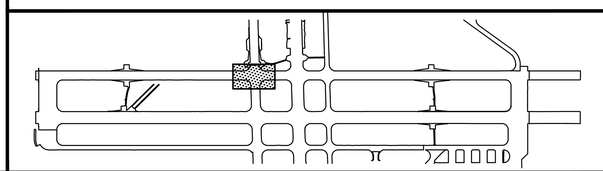
MATCHLINE SHEET CG105

MATCHLINE SHEET CG107

MATCHLINE THIS SHEET

MATCHLINE THIS SHEET

KEY MAP



GRAPHIC SCALE

1"=25' 0 25' 50' 100'

APPR	
DATE	
DESCRIPTION	
SYM	

NAVFAC

Mark J. Tiger

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

GRADING AND DRAINAGE PLAN
STA. 42+29 TO 49+24

HR IPT

JOHNSON, MIRMIRAN THOMPSON
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272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
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WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES: MJT | DRW: DFD | CHK: ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690092
SHEET 81 OF 315

CG106

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL–CIVIL\10–8863–007–GI–106.dwg LAYOUT NAME: GI106 PLOTTED: Monday, March 23, 2015 – 2:50pm USER: ddoschille

RUNWAY 5R–23L

RUNWAY 14L–32R

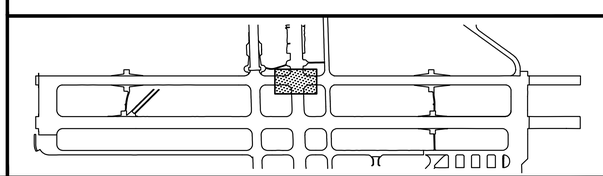
MATCHLINE SHEET CG106

MATCHLINE SHEET CG108

MATCHLINE THIS SHEET

MATCHLINE THIS SHEET

KEY MAP



GRAPHIC SCALE

1"=25' 0 25' 50' 100'

DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND NORFOLK, VIRGINIA
HR IPT	NAVFAC MID-ATLANTIC
NAVAL AIR STATION OCEANA	VIRGINIA BEACH, VIRGINIA
SPECIAL PROJECT RM10-9004	
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING	
GRADING AND DRAINAGE PLAN STA. 49+24 TO 56+19	
SCALE: AS NOTED	
EPROJECT NO.: 1312624	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO. 12690093	
SHEET 82 OF 315	
CG107	

DRAWFORM REVISION: 10 MARCH 2009

APPR | DATE | DESCRIPTION | SYM

NAVFAC

Mark J. Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES	MJT	DRW	DFD	CHK	ELO

PM/DM

BRANCH MANAGER BJC

CHIEF ENG/ARCH

FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL–CIVIL\10–0863–007–CG–107.dwg LAYOUT NAME: CG107 PLOTTED: Monday, March 23, 2015 – 2:53pm USER: ddachille

MATCHLINE SHEET CG116

MATCHLINE SHEET CG107

MATCHLINE SHEET CG109

MATCHLINE SHEET CG117

RUNWAY 14L–32R

TAXIWAY A

505+00 18.81

506+50 18.61

505+50 19.13

504+50 19.13

504+00 18.93

503+50 18.95

503+00 18.97

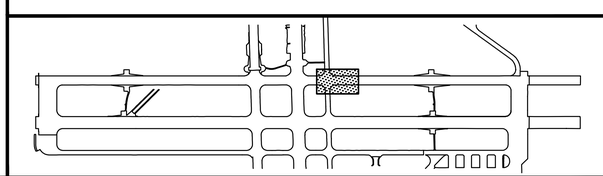
DEMOLISH 12" RCP (47 FT)

DEMOLISH EXISTING DRAINAGE STRUCTURE

INSTALL NEW DRAINAGE STRUCTURE DI-4
RIM ELEV=16.10
MATCH EXISTING PIPE INV AT THIS LOCATION

E4-23
RIM 16.95(A)

KEY MAP



GRAPHIC SCALE

1"=25' 0 25' 50' 100'

DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
HR IPT	NAVFAC MID-ATLANTIC
	NORFOLK, VIRGINIA
NAVAL AIR STATION OCEANA	VIRGINIA BEACH, VIRGINIA
SPECIAL PROJECT RM10-9004	
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING	
GRADING AND DRAINAGE PLAN	
STA: 56+19 TO 63+14	

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Mark J. Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES: MJT DRW: DFD CHK: ELO
PM/QM
BRANCH MANAGER BJL
CHIEF ENG/ARCH

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690094
SHEET 83 OF 315

CG108

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\PP_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-108.dwg LAYOUT NAME: CG108 PLOTTED: Monday, March 23, 2015 - 2:54pm USER: ddochille

MATCHLINE SHEET CG124

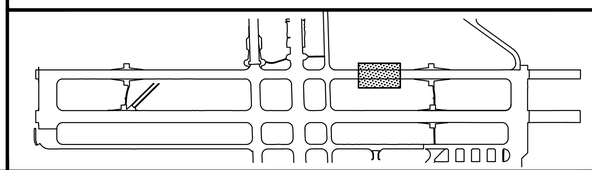
MATCHLINE SHEET CG108

MATCHLINE SHEET CG110

RUNWAY 14L–32R

63+50 64+00 64+50 65+00 65+50 66+00 66+50 67+00 67+50 68+00 68+50 69+00 69+50 70+00

KEY MAP



GRAPHIC SCALE

1"=25' 0 25' 50' 100'

FILE NAME: G:\PHPIA\pg_ Misc\Aviation\Oceana\Task 007\GENERAL–CIVIL\10–0863–007–CG–109.dwg LAYOUT NAME: CG109 PLOTTED: Monday, March 23, 2015 - 2:56pm USER: ddechille

APPR | DATE | DESCRIPTION | SYM

NAVFAC

Mark J. Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499–1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES: MJT | DRW: DFD | CHK: ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NAVFAC MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING
GRADING AND DRAINAGE PLAN
STA: 63+14 TO 70+09

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690095
SHEET 84 OF 315

CG109

DRAWFORM REVISION: 10 MARCH 2009

MATCHLINE SHEET CG126

MATCHLINE SHEET CG109

MATCHLINE SHEET CG111

RUNWAY 14L–32R

ARRESTING GEAR #6

A/G PAVEMENT PROTECTION SYSTEM

ABAND. SIGN/LIGHT BASE W/EHH

KEY MAP

GRAPHIC SCALE

1"=25' 0 25' 50' 100'

APPR			
DATE			
DESCRIPTION			
SYM			

NAVFAC

Mark J. Tiger

REGISTERED PROFESSIONAL ENGINEER MARK J TIGER 041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT | DRW DFD | CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NAVFAC MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

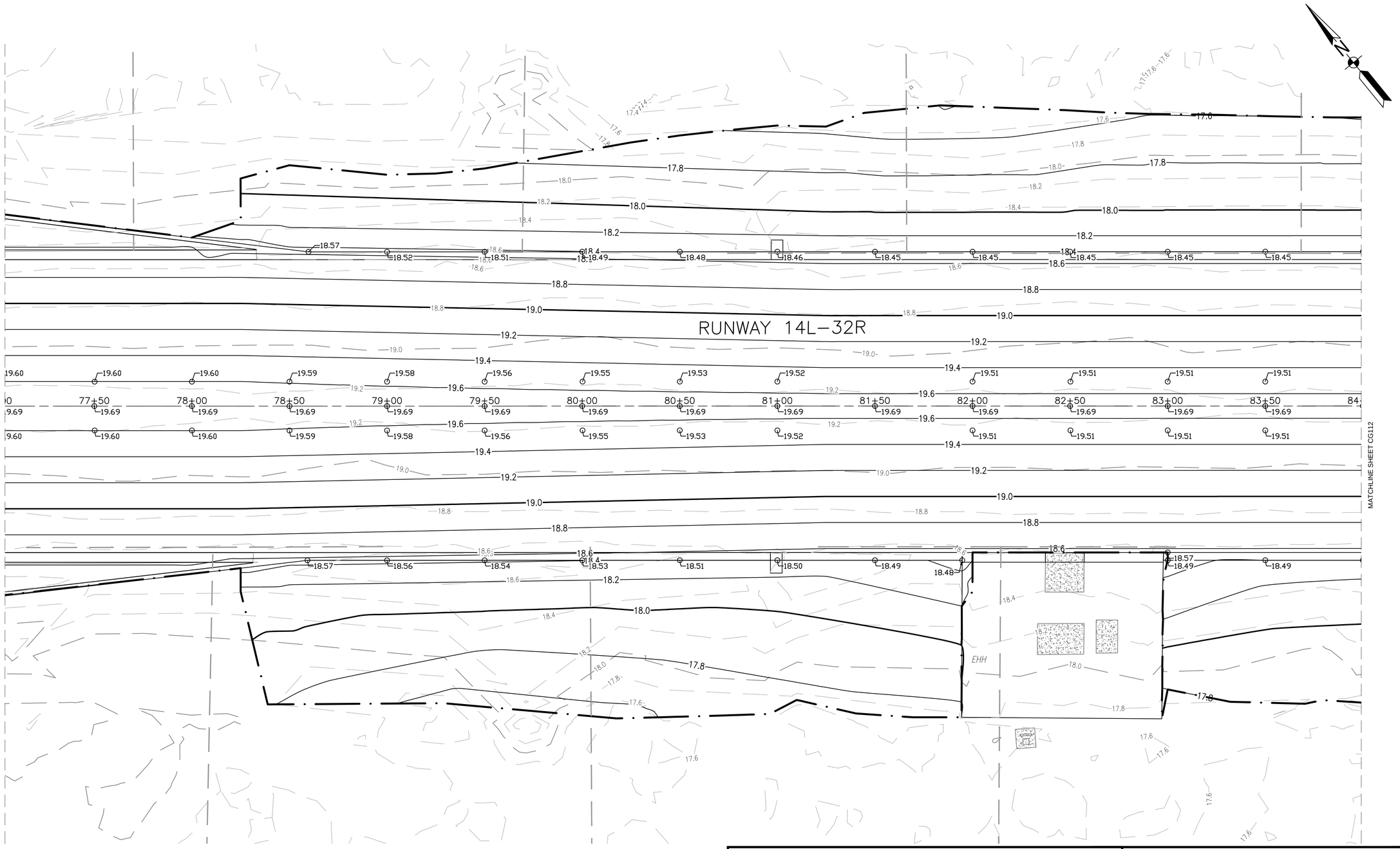
GRADING AND DRAINAGE PLAN
STA: 70+09 TO 77+04

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690096
SHEET 85 OF 315

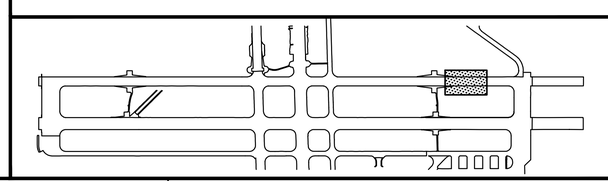
CG110

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-110.dwg LAYOUT NAME: CG110 PLOTTED: Monday, March 23, 2015 - 2:57pm USER: ddschille



KEY MAP



GRAPHIC SCALE

1"=25'

0 25' 50' 100'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

Mark Tiger

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL MARK J TIGER ENGINEER 041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

HR IPT

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

GRADING AND DRAINAGE PLAN
STA: 77+04 TO 83+99

SCALE: AS NOTED

EPROJECT NO.: 1312624

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.
12690097

SHEET 86 OF 315

CG111

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-111.dwg LAYOUT NAME: CG111 PLOTTED: Monday, March 23, 2015 - 2:59pm USER: ddachille

MATCHLINE SHEET CG118

MATCHLINE SHEET CG111

MATCHLINE SHEET CG113

RUNWAY 14L–32R

TAXIWAY P

HOLD AREA

EHH

84+00 84+50 85+00 85+50 86+00 86+50 87+00 87+50 88+00 88+50 89+00 89+50 90+00 90+50

700+00 701+00 701+50

606+50 606+00 605+50 605+00 604+50

MATCHLINE SHEET CG119

KEY MAP

GRAPHIC SCALE

1"=25' 0 25' 50' 100'

APPR		
DATE		
DESCRIPTION		
SYM		

NAVFAC

Mark J. Tiger

COMMONWEALTH OF VIRGINIA REGISTERED PROFESSIONAL ENGINEER MARK J TIGER 041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT | DRW DFD | CHK ELO

PM/DM

BRANCH MANAGER *BJC*

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

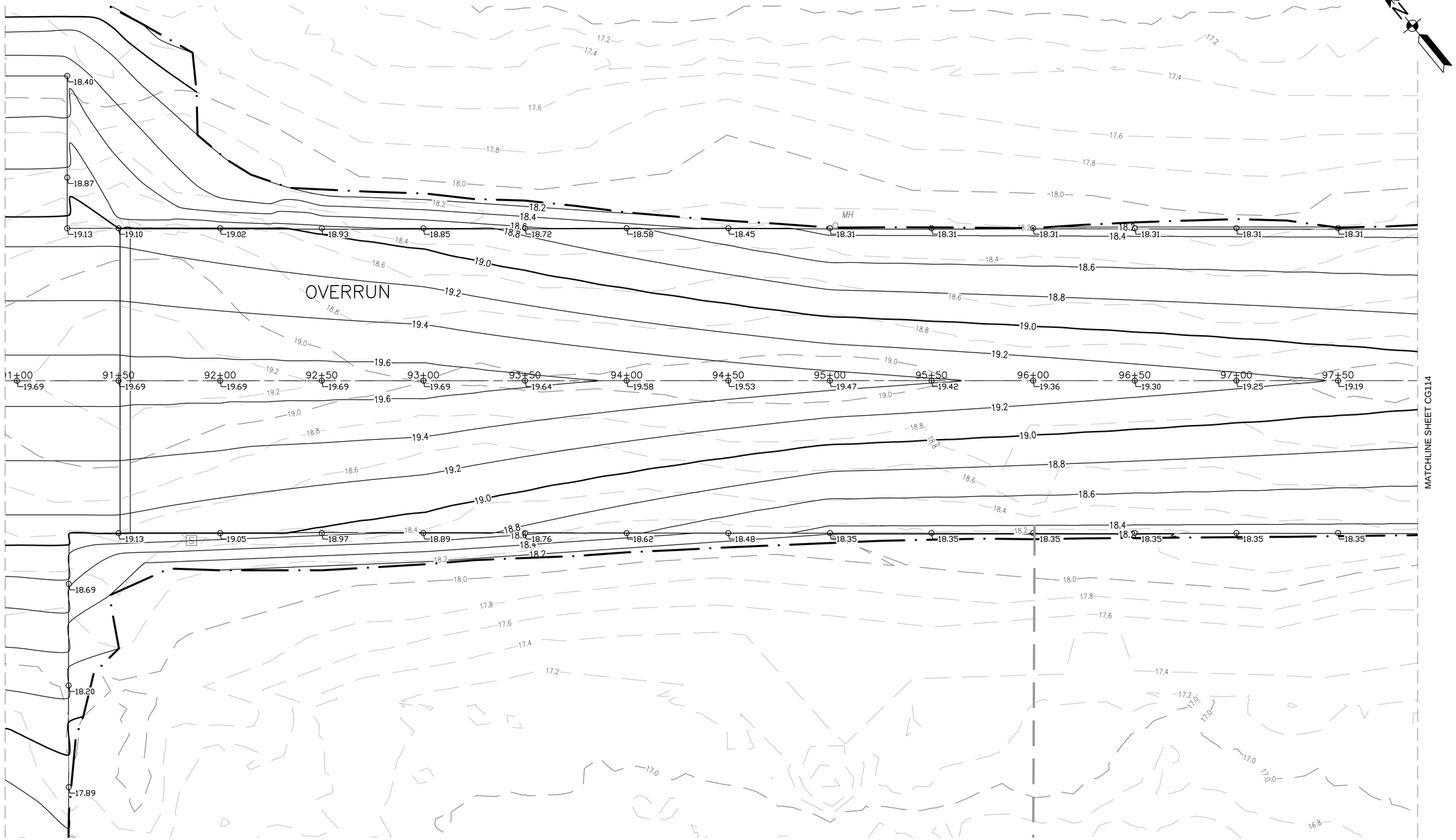
GRADING AND DRAINAGE PLAN
STA. 83+99 TO 90+94

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690098
SHEET 87 OF 315

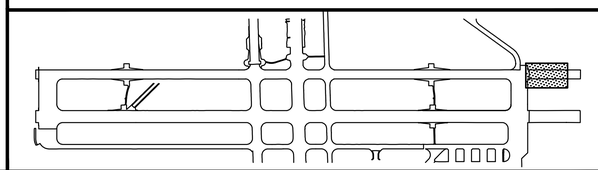
CG112

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-112.dwg LAYOUT NAME: CG112 PLOTTED: Monday, March 23, 2015 - 3:00pm USER: ddachille



KEY MAP



GRAPHIC SCALE

1"=25'

0 25' 50' 100'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

Mark Tiger

REGISTERED PROFESSIONAL ENGINEER MARK J TIGER 041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

HR IPT

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

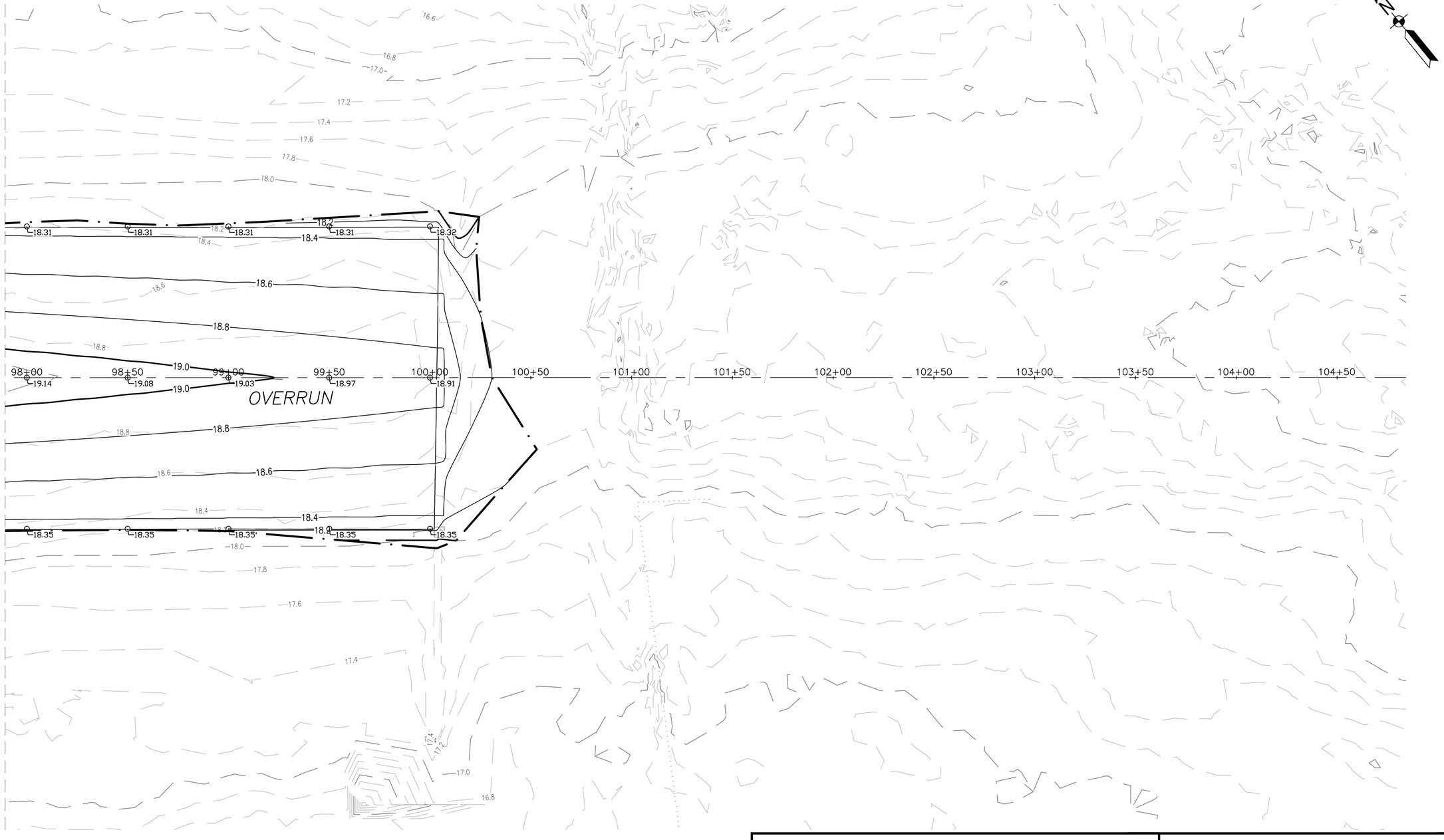
GRADING AND DRAINAGE PLAN
STA: 90+94 TO 97+89

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690099
SHEET 88 OF 315

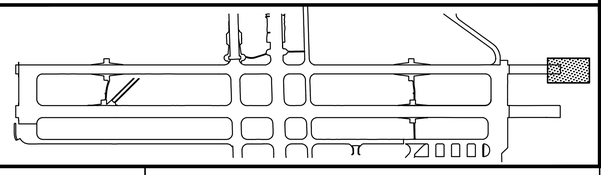
CG113

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-113.dwg LAYOUT NAME: CG113 PLOTTED: Monday, March 23, 2015 - 3:02pm USER: ddachille



KEY MAP



GRAPHIC SCALE

1"=25'

0 25' 50' 100'

NO.	DESCRIPTION	DATE	APPR

NAVFAC

Mark J. Tiger

REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES: MJT | DRW: DFD | CHK: ELO

PM/DM

BRANCH MANAGER BJC

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
HR IPT

NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

GRADING AND DRAINAGE PLAN
STA. 97+89 TO 104+84

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12690100
SHEET 89 OF 315

CG114

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\99... Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-114.dwg LAYOUT NAME: CG114 PLOTTED: Monday, March 23, 2015 - 3:03pm USER: ddochille

MATCHLINE SHEET CG101

HOLD AREA

MODIFY EXISTING DRAINAGE STRUCTURE

18" RCP (265 FT) SLOPE=0.0047

RIM ELEV=15.53
INV (NEW 18" RCP)=11.40
INV OUT=11.31

MATCH EXISTING GRADES

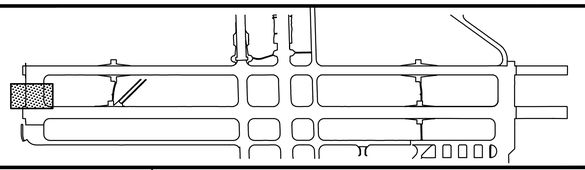
RUNWAY 14R–32L

MATCHLINE SHEET CG120

203+50 17.73
203+00 17.64
202+50 17.55
202+00 17.46
201+50 17.37
201+00 17.28
17.26
200+50
200+00

16.89 16.87 16.86 16.84 16.83 16.67
16.77 16.76 16.74 16.73 16.81 16.85

KEY MAP



GRAPHIC SCALE

1"=25' 0 25' 50' 100'

APPR	DATE	DESCRIPTION	SYM

NAVFAC

Mark Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
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272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES: MJT DRW: DFD CHK: ELO

PM/QM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
HR IPT

NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

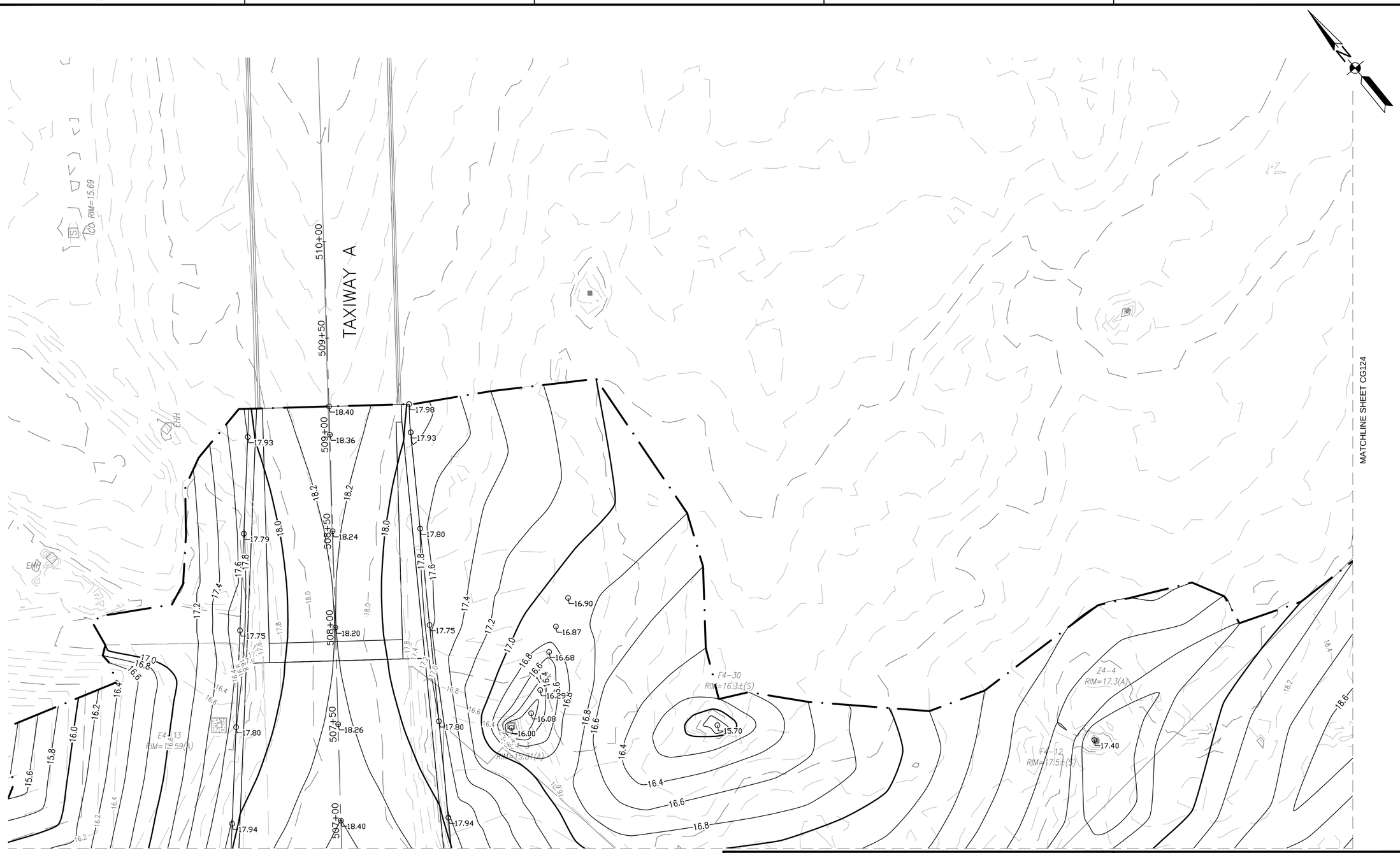
GRADING AND DRAINAGE PLAN
STA: 199+67 TO 203+77

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12690101
SHEET 90 OF 315

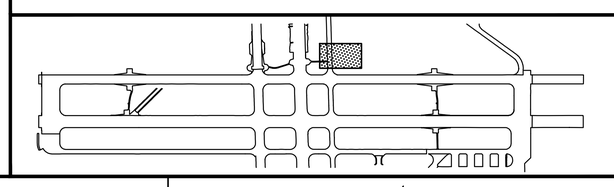
CG115

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPIA\pg_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-115.dwg LAYOUT NAME: CG115 PLOTTED: Monday, March 23, 2015 - 3:05pm USER: ddechille



KEY MAP



GRAPHIC SCALE

1"=25'

0 25' 50' 100'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

Mark Tiger

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER MARK J TIGER 041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
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Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

HR IPT

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

GRADING AND DRAINAGE PLAN
STA: 506+86 TO 509+29

SCALE: AS NOTED

EPROJECT NO.: 1312624

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12690102

SHEET 91 OF 315

CG116

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-116.dwg LAYOUT NAME: CG116 PLOTTED: Monday, March 23, 2015 - 3:06pm USER: ddachille

MATCHLINE SHEET CG108

RIM=15.56(A)

E4-26
RIM=16.95±
(S)

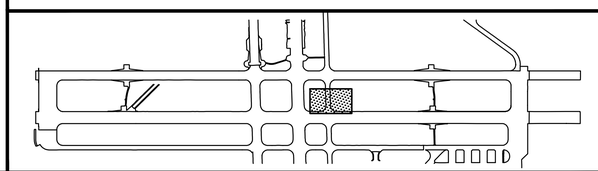
E4-28
RIM=15.3(

502+50
502+00
501+50
501+00
500+50
500+00

TAXIWAY A

RUNWAY 14R-32L

KEY MAP



GRAPHIC SCALE

1"=25' 0 25' 50' 100'

APPR	DATE	DESCRIPTION	SYM

NAVFAC

Mark J Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

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Gannett Fleming
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Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES: MJT | DRW: DFD | CHK: ELO

PM/DM

BRANCH MANAGER BJC

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
HR IPT

NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

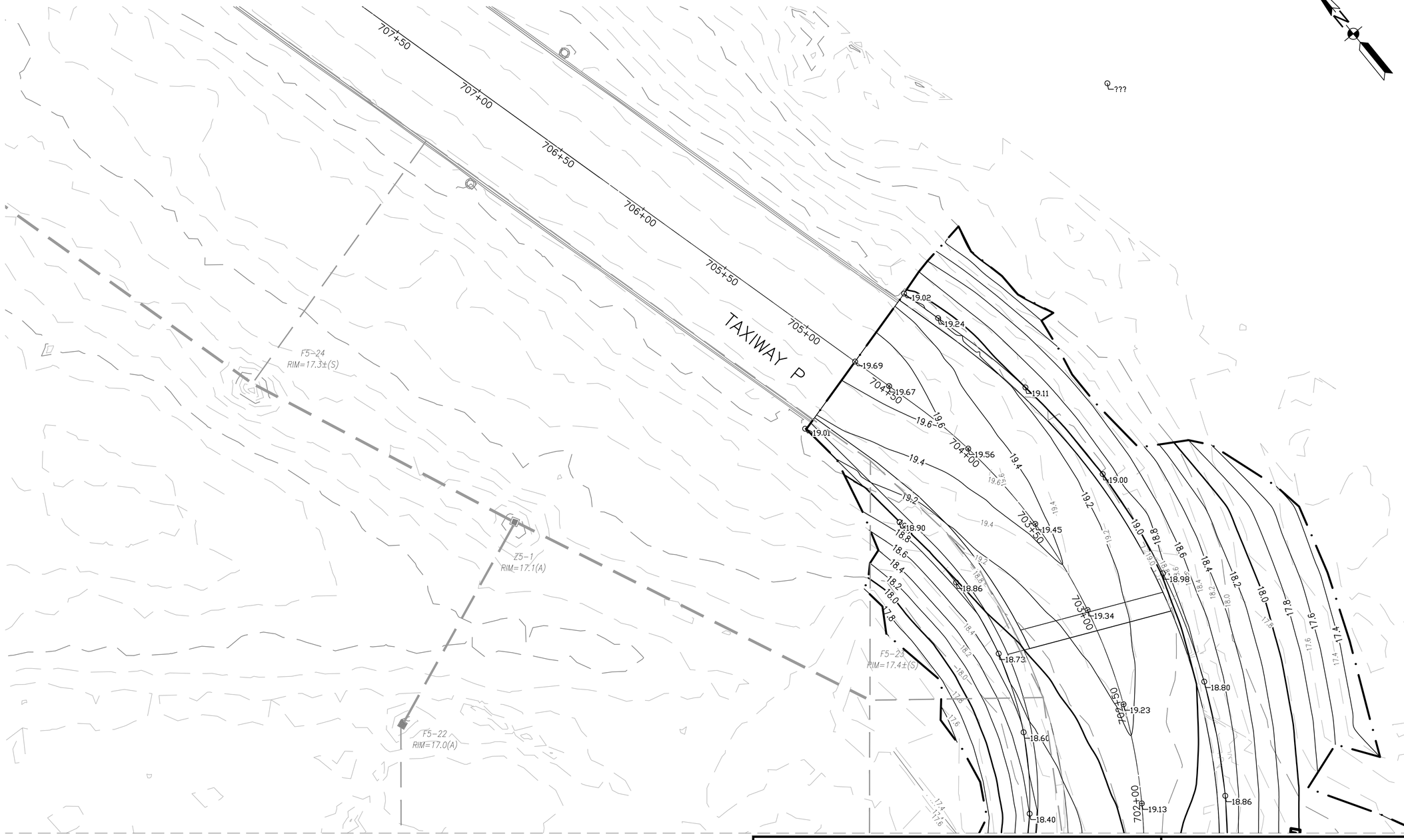
GRADING AND DRAINAGE PLAN
STA: 500+00 TO 502+76

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12690103
SHEET 92 OF 315

CG117

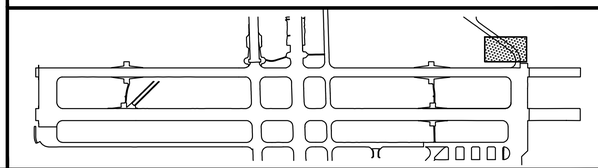
DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\99... Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-117.dwg LAYOUT NAME: CG117 PLOTTED: Monday, March 23, 2015 - 3:08pm USER: ddoschille



MATCHLINE SHEET CG112

KEY MAP



GRAPHIC SCALE

1"=25'

0 25' 50' 100'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

Mark Tiger

REGISTERED PROFESSIONAL ENGINEER MARK J TIGER 041439-E

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Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

HR IPT

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

GRADING AND DRAINAGE PLAN
STA: 701+85 TO 707+72

SCALE: AS NOTED

EPROJECT NO.: 1312624

CONSTR. CONTR. NO.

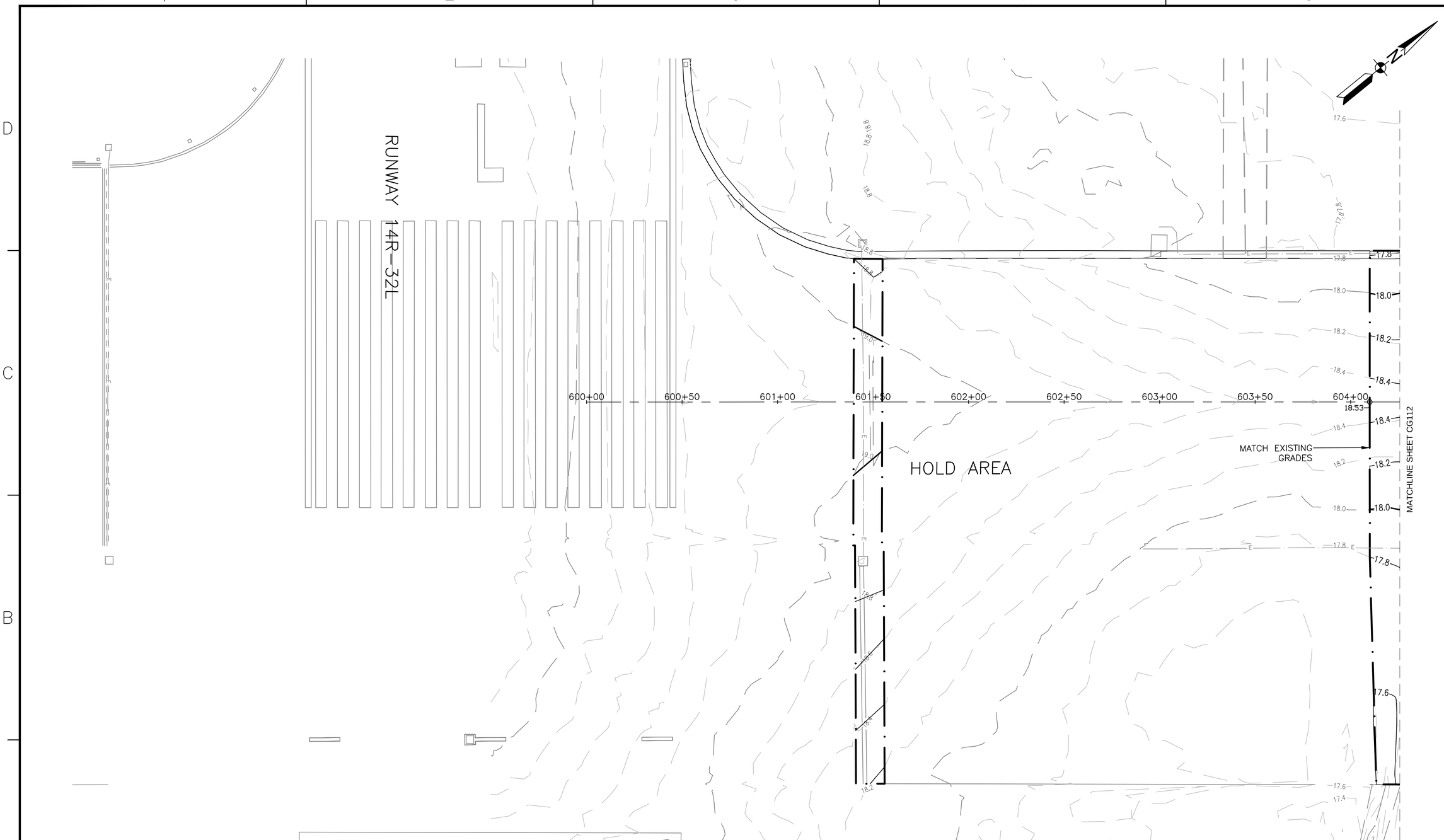
NAVFAC DRAWING NO.
12690104

SHEET 93 OF 315

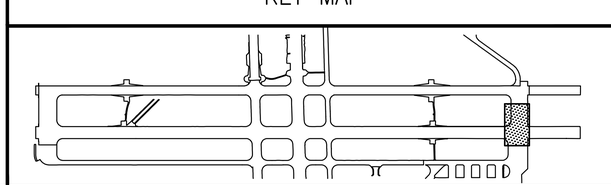
CG118

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-118.dwg LAYOUT NAME: CG118 PLOTTED: Monday, March 23, 2015 - 3:09pm USER: ddachille



KEY MAP



GRAPHIC SCALE

1"=25'

0 25' 50' 100'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

Mark Tiger

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL MARK J TIGER ENGINEER 041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

HR IPT

NAVAL AIR STATION OCEANA
VIRIGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

GRADING AND DRAINAGE PLAN
STA: 600+00 TO 604+25

SCALE: AS NOTED

EPROJECT NO.: 1312624

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.
12690105

SHEET 94 OF 315

CG119

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-119.dwg LAYOUT NAME: CG119 PLOTTED: Monday, March 23, 2015 - 3:11pm USER: ddachille

MATCHLINE SHEET CG102

MATCHLINE SHEET CG115

D3-29
RIM=14.40
±(S)

UNK. MH

LIGHT TRAILER

ELEC. TRANS
ON CONC

IFLOLS

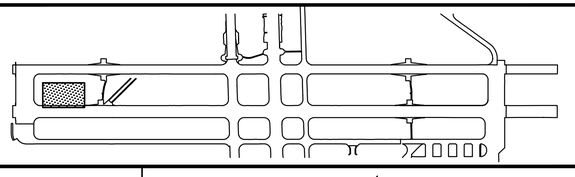
EHH

EHH

EHH

EHH

KEY MAP



GRAPHIC SCALE

1"=25'

0 25' 50' 100'

APPR			
DATE			
DESCRIPTION			
SYM			

NAVFAC

Mark J. Tiger

COMMONWEALTH OF VIRGINIA
REGISTERED
PROFESSIONAL
MARK J TIGER
ENGINEER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT | DRW DFD | CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
HR IPT

NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

GRADING AND DRAINAGE PLAN
INFIELD GRADING 1

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12690106
SHEET 95 OF 315

CG120

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-120.dwg LAYOUT NAME: CG120 PLOTTED: Monday, March 23, 2015 - 3:13pm USER: ddochille

MATCHLINE SHEET CG103

DEMOLISH 15" RCP (398 FT)

18" RCP (286 FT)
SLOPE=0.0057

D3=15
RIM=15.15
±
(S)

MODIFY EXISTING
DRAINAGE STRUCTURE
RIM ELEV=15.15
INV (NEW 18" RCP)=12.35
INV OUT=12.25

19.60

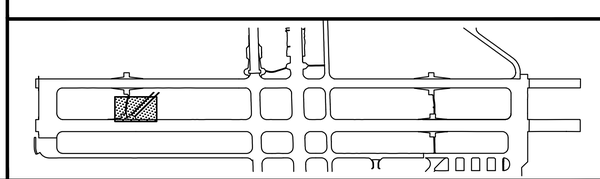
THH RWY 14R RIM=18.85

ARRESTING GEAR #9

RUNWAY 14R–32L

MATCHLINE SHEET CG122

KEY MAP



GRAPHIC SCALE

1"=25'

0 25' 50' 100'

APPR	DATE	DESCRIPTION	SYM

NAVFAC

Mark J Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT | DRW DFD | CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
HR IPT

NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

GRADING AND DRAINAGE PLAN
INFIELD GRADING 2

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12690107
SHEET 96 OF 315

CG121

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-121.dwg LAYOUT NAME: CG121 PLOTTED: Monday, March 23, 2015 - 3:14pm USER: ddochille

MATCHLINE SHEET CG104

MATCHLINE SHEET CG121

15" RCP (230 FT)
SLOPE=0.0035

MODIFY EXISTING DRAINAGE STRUCTURE

RIM ELEV=14.7
INV (NEW 15" RCP)=12.59
INV OUT=12.59

E3-7
RIM=14.7(A)

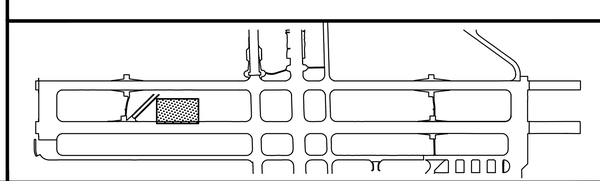
E3-7
RIM=14.8(A)

18.54

EHH

EHH

KEY MAP



GRAPHIC SCALE

1"=25' 0 25' 50' 100'

APPR	DATE	DESCRIPTION	SYM

NAVFAC

Mark J Tiger

COMMONWEALTH OF VIRGINIA
REGISTERED
PROFESSIONAL
MARK J TIGER
ENGINEER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
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Telephone: (757)499-1895
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A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT | DRW DFD | CHK ELO

PM/DM

BRANCH MANAGER BJC

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
HR IPT

NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

GRADING AND DRAINAGE PLAN
INFIELD GRADING 3

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12690108
SHEET 97 OF 315

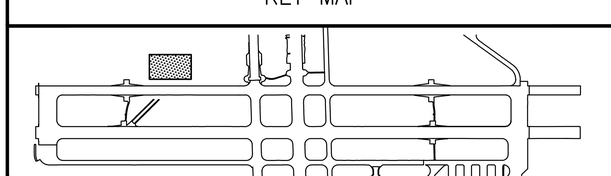
CG122

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-122.dwg LAYOUT NAME: CG122 PLOTTED: Monday, March 23, 2015 - 3:16pm USER: ddochille

MATCHLINE SHEET CG104

KEY MAP



GRAPHIC SCALE

1"=25'

0 25' 50' 100'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

Mark Tiger

REGISTERED PROFESSIONAL ENGINEER MARK J TIGER 041439-E

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Gannett Fleming
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Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

HR IPT

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

GRADING AND DRAINAGE PLAN
INFIELD GRADING 4

SCALE: AS NOTED

EPROJECT NO.: 1312624

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12690109

SHEET 98 OF 315

CG123

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-123.dwg LAYOUT NAME: CG123 PLOTTED: Monday, March 23, 2015 - 3:17pm USER: ddachille

MATCHLINE SHEET CG125

MATCHLINE SHEET CG116

MATCHLINE SHEET CG126

MATCHLINE SHEET CG109

F4-2
RIM= 15.9(A)

F4-3
RIM= 16.2(A)

17.74

17.70

17.72

EPH

KEY MAP

GRAPHIC SCALE

1"=25' 0 25' 50' 100'

NO.	DESCRIPTION	DATE	APPR

NAVFAC

Mark J Tiger

COMMONWEALTH OF VIRGINIA
REGISTERED
PROFESSIONAL
MARK J TIGER
ENGINEER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED:

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT | DRW DFD | CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

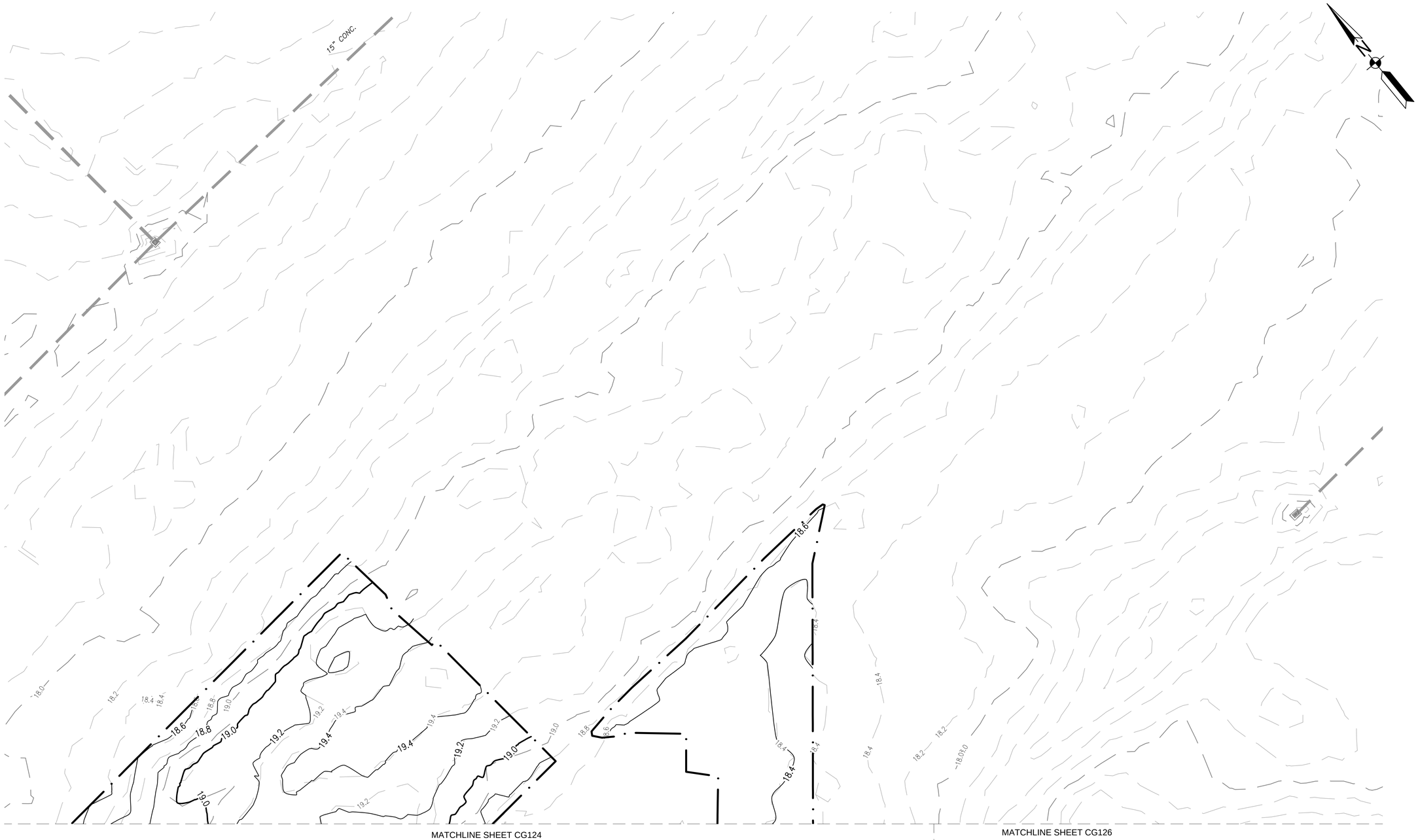
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
HR IPT
NAVFAC MID-ATLANTIC
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING
GRADING AND DRAINAGE PLAN
INFIELD GRADING 5

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690110
SHEET 99 OF 315

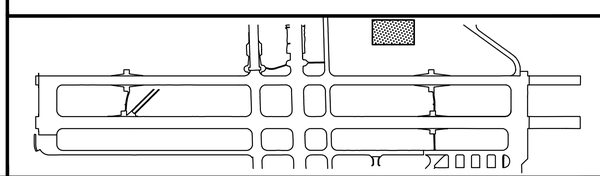
CG124

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-124.dwg LAYOUT NAME: CG124 PLOTTED: Monday, March 23, 2015 - 3:19pm USER: ddpchille



KEY MAP



GRAPHIC SCALE

1"=25' 0 25' 50' 100'

NO.	DESCRIPTION	DATE	APPR

NAVFAC

Mark J. Tiger

REGISTERED PROFESSIONAL ENGINEER MARK J TIGER 041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
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WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES	MJT	DRW	DFD	CHK	ELO

PM/DM

BRANCH MANAGER BJC

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NAVFAC MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING
GRADING AND DRAINAGE PLAN
INFIELD GRADING 6

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690111
SHEET 100 OF 315

CG125

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-CG-125.dwg LAYOUT NAME: CG125 PLOTTED: Monday, March 23, 2015 - 3:21pm USER: ddachille

MATCHLINE SHEET CG125

MATCHLINE SHEET CG124

MATCHLINE SHEET CG110

F5-17
RIM=16.8(A)

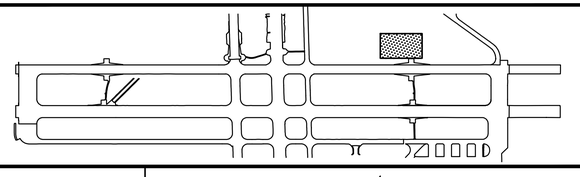
F5-16-1
RIM=17.2(A)

F5-15
RIM=16.8±(S)

F5-16
RIM=16.4(A)

F5-14
RIM=16.2(A)

KEY MAP



GRAPHIC SCALE

1"=25' 0 25' 50' 100'

APPR	DATE	DESCRIPTION	SYM

NAVFAC

Mark J. Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

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Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES: MJT | DRW: DFD | CHK: ELO

PM/DM

BRANCH MANAGER BJC

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
HR IPT

NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

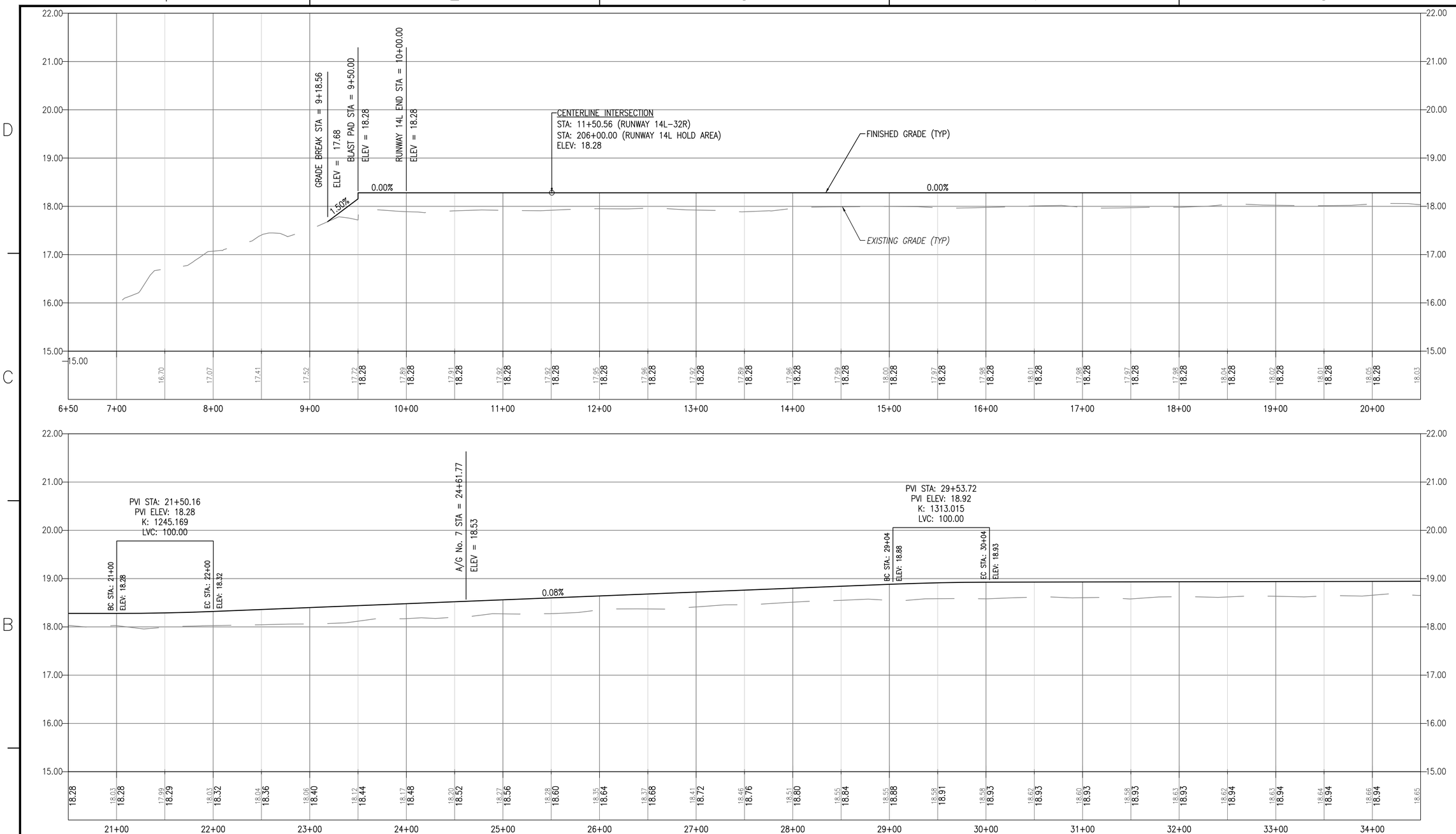
GRADING AND DRAINAGE PLAN
INFIELD GRADING 7

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12690112
SHEET 101 OF 315

CG126

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\99... Misc\Aviation\Oceana\Task 0077\GENERAL-CIVIL\10-0863-007-CG-126.dwg LAYOUT NAME: CG126 PLOTTED: Monday, March 23, 2015 - 3:22pm USER: ddschille



GRAPHIC SCALE

VERTICAL 1"=1' — 0, 1', 2', 4'

HORIZONTAL 1"=50' — 0, 50', 100', 200'

APPR | DATE | DESCRIPTION | STM

NAVFAC

Mark J Tiger

REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

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WEB: WWW.JMT.COM

A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES MJT | DRW DFD | CHK ELO
PM/DM
BRANCH MANAGER BJL
CHIEF ENG/ARCH

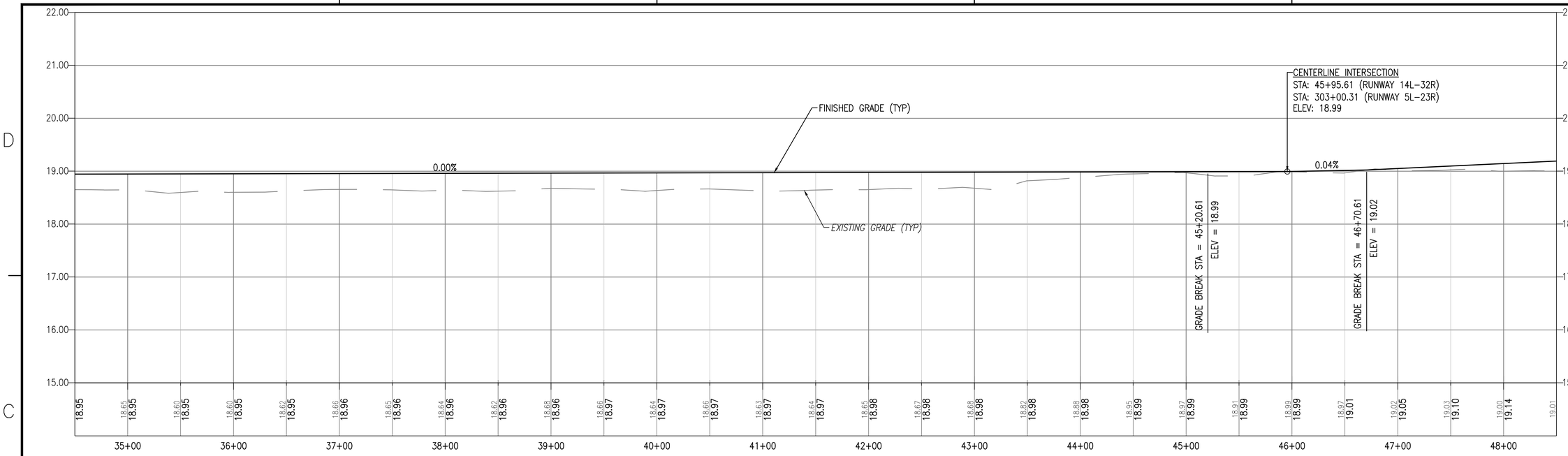
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NAVFAC MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING
RUNWAY 14L–32R CENTERLINE PROFILE STA: 6+50 – 34+50

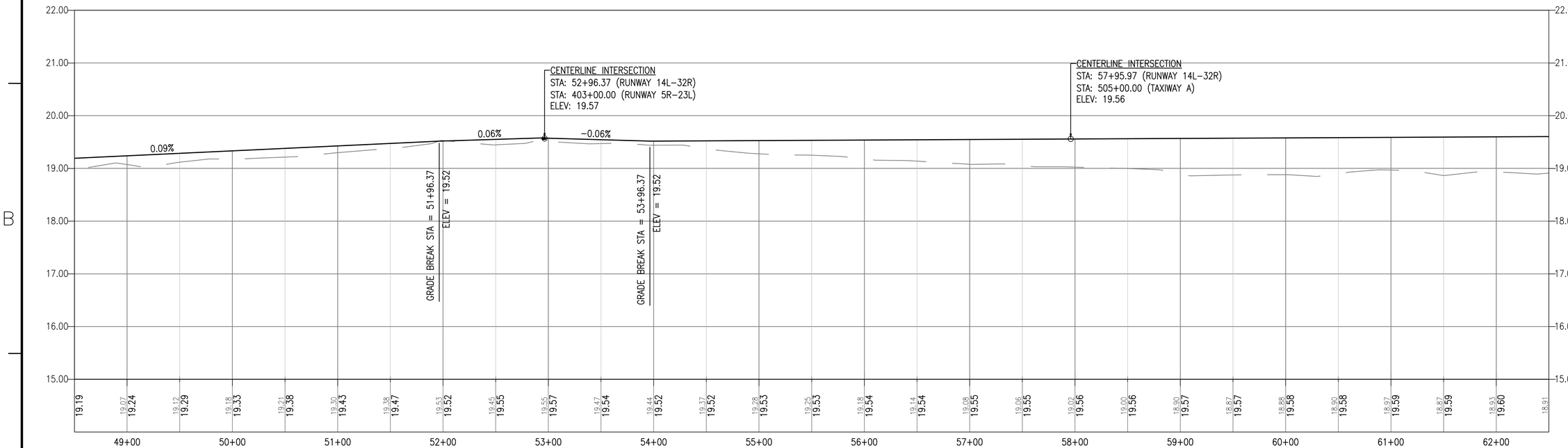
SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12690113
SHEET 102 OF 315

C-201

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-201.dwg LAYOUT NAME: C-201 PLOTTED: Monday, March 23, 2015 - 3:02pm USER: jgeorge





GRAPHIC SCALE

VERTICAL
1"=1'
0 1' 2' 4'

HORIZONTAL
1"=50'
0 50' 100' 200'

NO.	DESCRIPTION	DATE	APPR

NAVFAC

Mark J. Tiger
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041439-E

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WEB: WWW.JMT.COM
A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES MJT | DRW DFD | CHK ELO
PM/DM
BRANCH MANAGER BJC
CHIEF ENG/ARCH

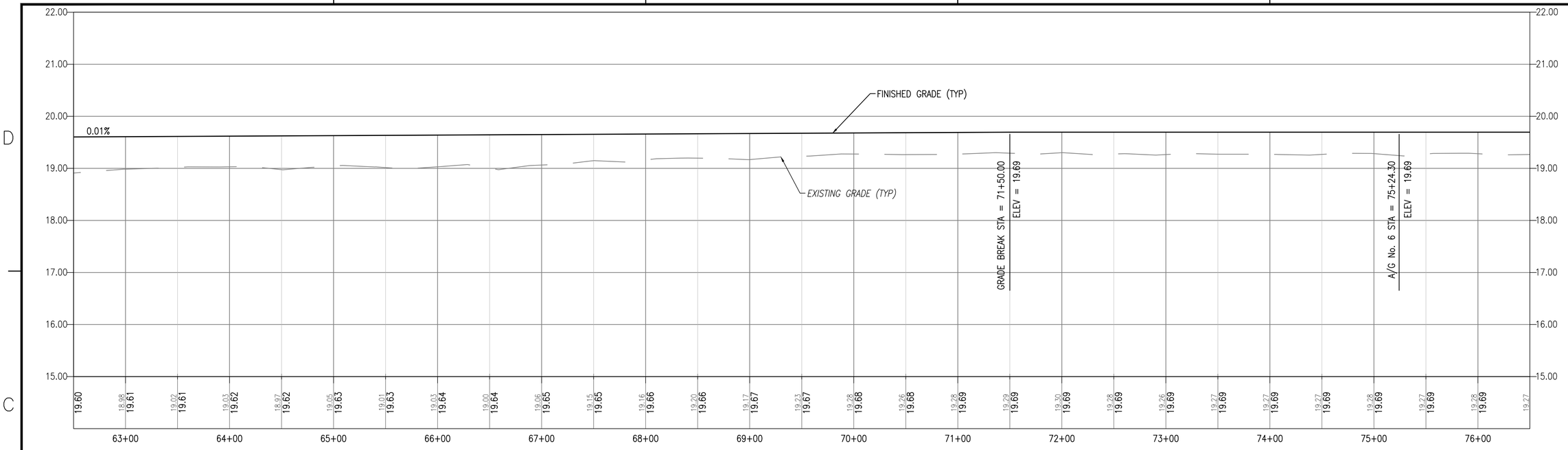
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NAVFAC MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING
RUNWAY 14L–32R CENTERLINE PROFILE STA: 34+50 – 62+50

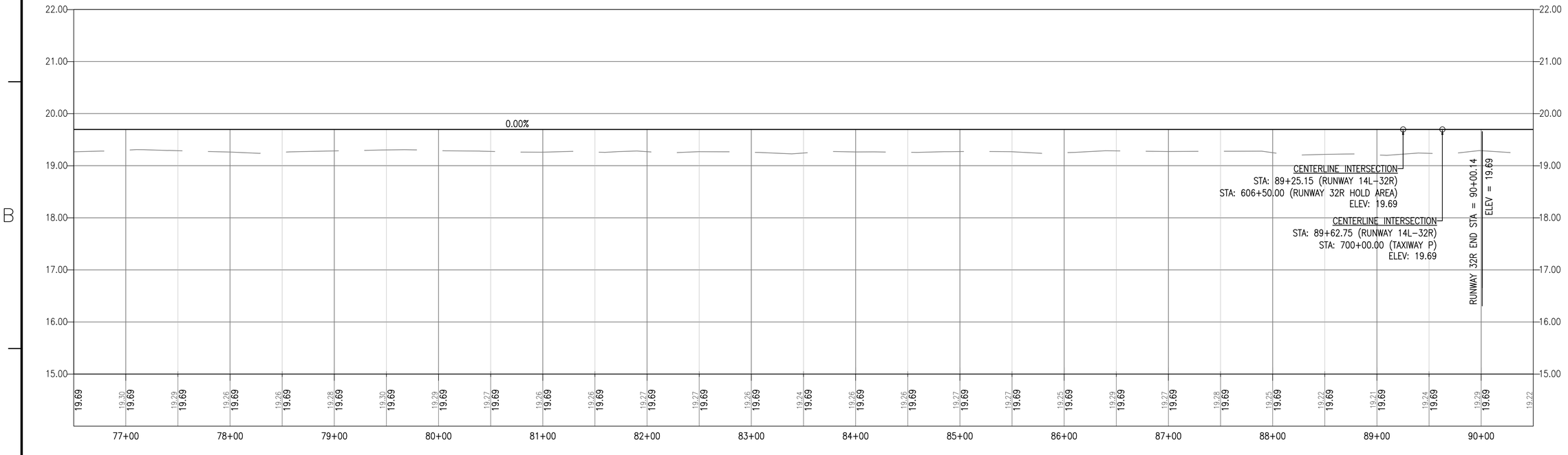
SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690114
SHEET 103 OF 315

C-202

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-202.dwg LAYOUT NAME: C-202 PLOTTED: Monday, March 23, 2015 - 3:03pm USER: jgeorge





GRAPHIC SCALE

VERTICAL
1"=1'
0 1' 2' 4'

HORIZONTAL
1"=50'
0 50' 100' 200'

APPR | DATE | DESCRIPTION | STM

NAVFAC

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A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT | DRW DFD | CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
HR IPT

NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

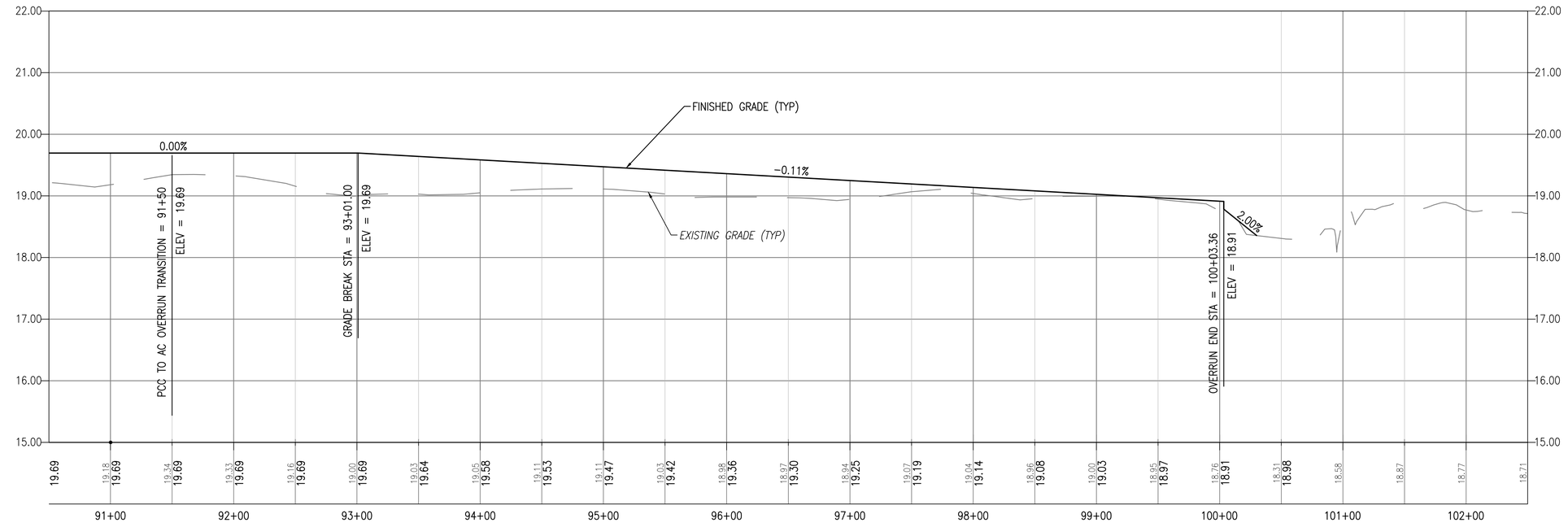
RUNWAY 14L-32R CENTERLINE PROFILE STA: 62+50 - 90+50

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12690115
SHEET 104 OF 315

C-203

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-203.dwg LAYOUT NAME: C-203 PLOTTED: Monday, March 23, 2015 - 3:04pm USER: jgeorge



GRAPHIC SCALE

VERTICAL
1"=1'
0 1' 2' 4'

HORIZONTAL
1"=50'
0 50' 100' 200'

		APPR
		DATE
		DESCRIPTION
		SYM

NAVFAC

Mark J. Tiger

REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

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A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT | DRW DFD | CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

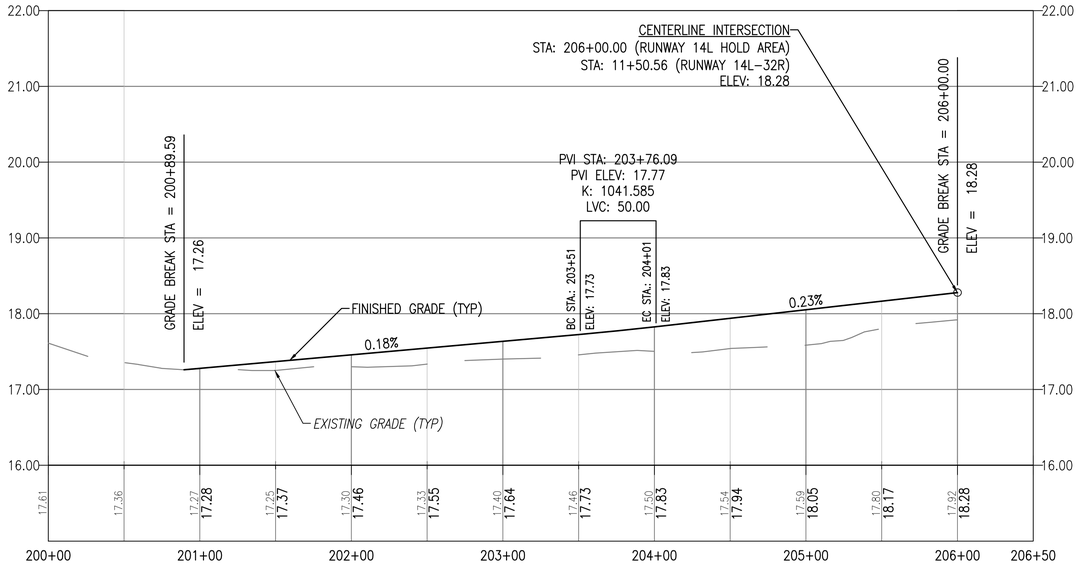
RUNWAY 14L-32R CENTERLINE PROFILE STA: 90+50-102+50

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12690116
SHEET 105 OF 315

C-204

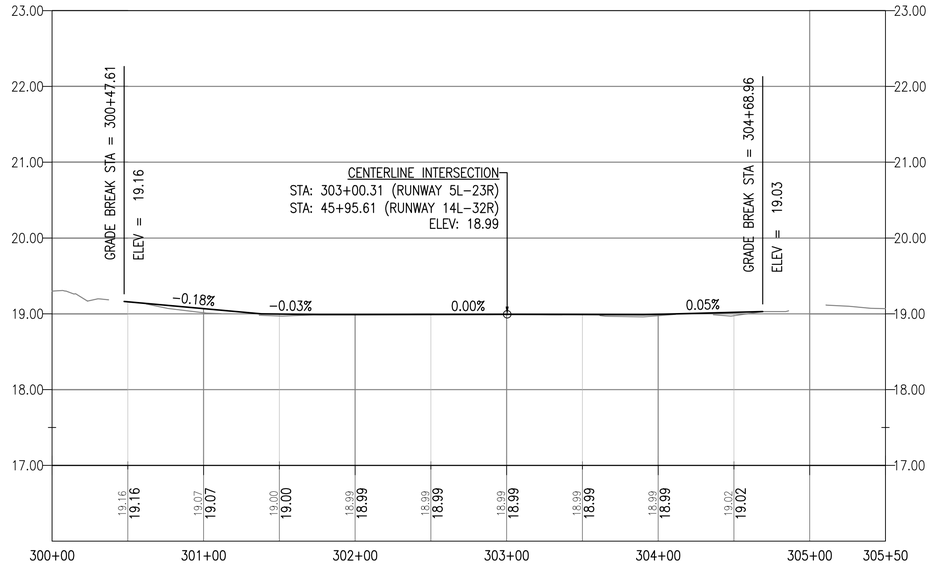
DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-204.dwg LAYOUT NAME: C-204 PLOTTED: Monday, March 23, 2015 - 3:04pm USER: jgeorge



RUNWAY 14L HOLD AREA CENTERLINE PROFILE

STATIONS 200+00 TO 206+50



RUNWAY 5L-23R CENTERLINE PROFILE

STATIONS 300+00 TO 305+50

GRAPHIC SCALE

VERTICAL
1"=1'
0 1' 2' 4'

HORIZONTAL
1"=50'
0 50' 100' 200'

APPR | DATE | DESCRIPTION | SYM

NAVFAC

Mark J. Tiger
REGISTERED PROFESSIONAL
MARK J TIGER
ENGINEER
041439-E

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Gannett Fleming
A Joint Venture
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Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES MJT | DRW DFD | CHK ELO
PM/DM
BRANCH MANAGER BJC
CHIEF ENG/ARCH

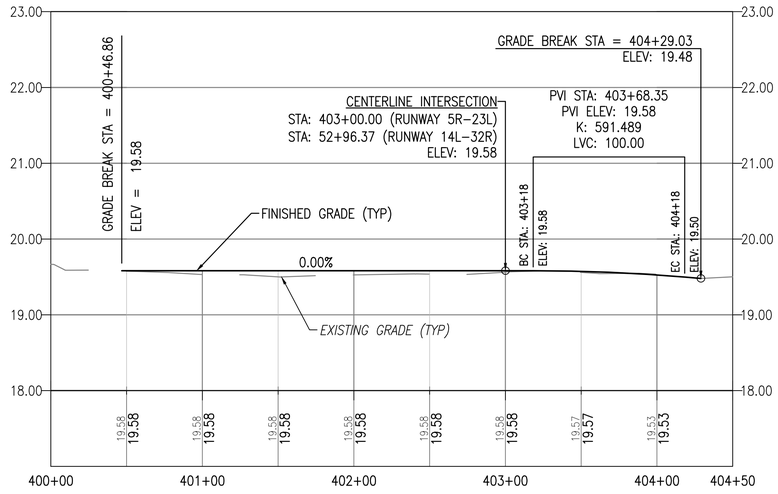
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NAVFAC MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING
CENTERLINE PROFILES – RW 14L HOLD AREA & RW 5L–23R

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690117
SHEET 106 OF 315

C-205

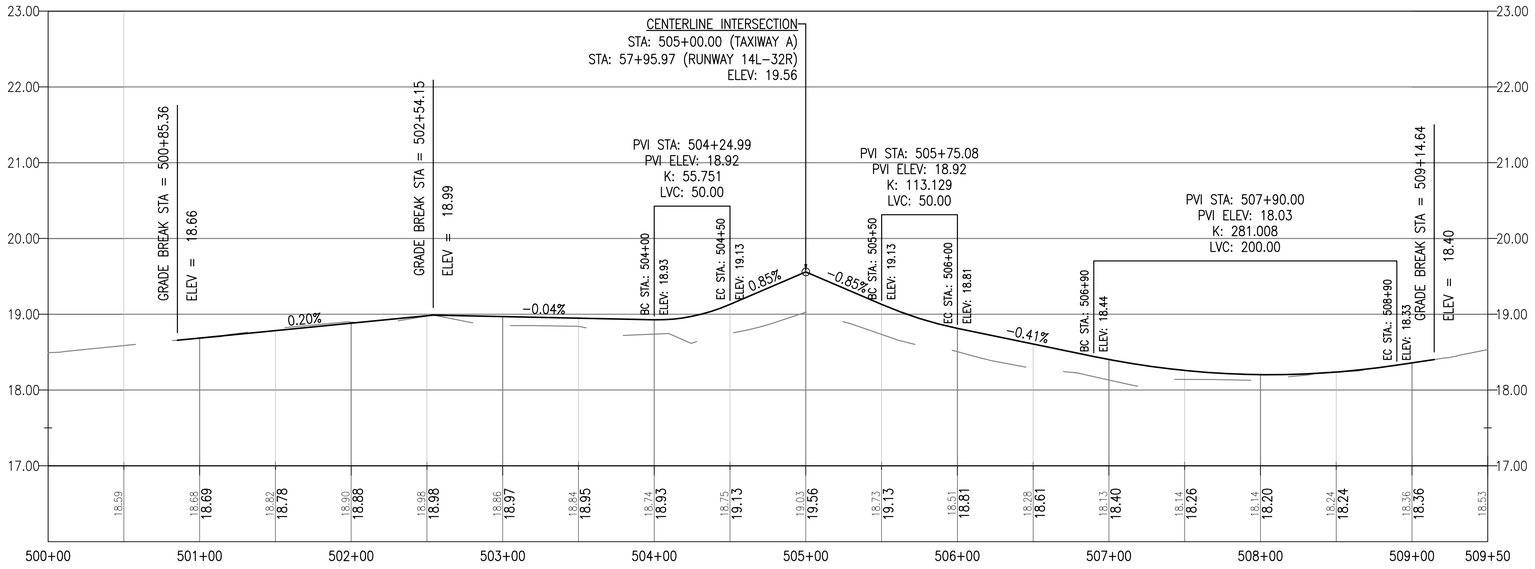
DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL–CIVIL\10–0863–007–C–205.dwg LAYOUT NAME: C–205 PLOTTED: Monday, March 23, 2015 – 3:04pm USER: jgeorge



RUNWAY 5R-23L CENTERLINE PROFILE

STATIONS 400+00 TO 406+00



TAXIWAY A CENTERLINE PROFILE

STATIONS 500+00 TO 510+00

GRAPHIC SCALE

VERTICAL
1"=1'
0 1' 2' 4'

HORIZONTAL
1"=50'
0 50' 100' 200'

APPR	DATE	DESCRIPTION	SYM

NAVFAC

Mark J Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
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WEB: WWW.JMT.COM
A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT | DRW DFD | CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

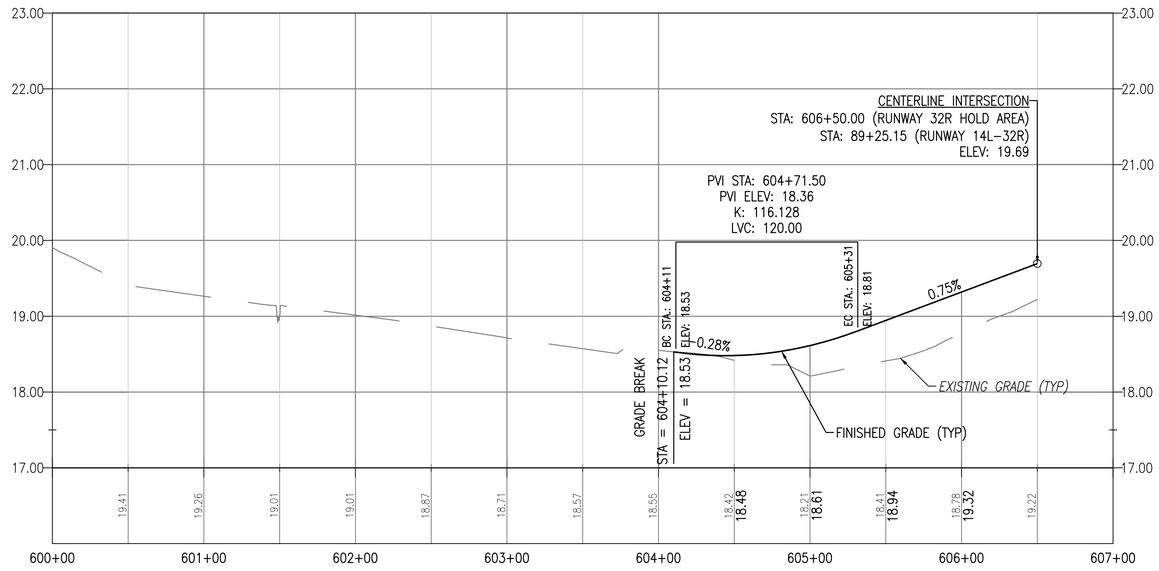
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING
CENTERLINE PROFILES – RW 5R–23L & TW A

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12690118
SHEET 107 OF 315

C-206

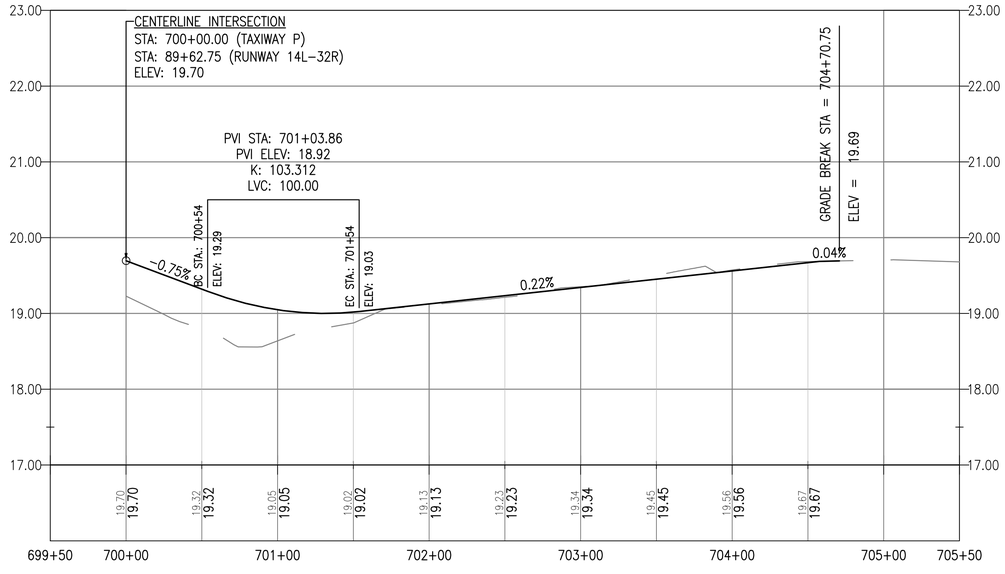
DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-206.dwg LAYOUT NAME: C-206 PLOTTED: Monday, March 23, 2015 - 3:04pm USER: jgeorge



RUNWAY 32R HOLD AREA CENTERLINE PROFILE

STATIONS 600+00 TO 607+00



TAXIWAY P CENTERLINE PROFILE

STATIONS 699+50 TO 705+50

GRAPHIC SCALE

VERTICAL
1"=1'
0 1' 2' 4'

HORIZONTAL
1"=50'
0 50' 100' 200'

APPR	
DATE	
DESCRIPTION	
STM	

NAVFAC

Mark J Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
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Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES MJT DRW DFD CHK ELO
PM/DM
BRANCH MANAGER BJL
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NAVFAC MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

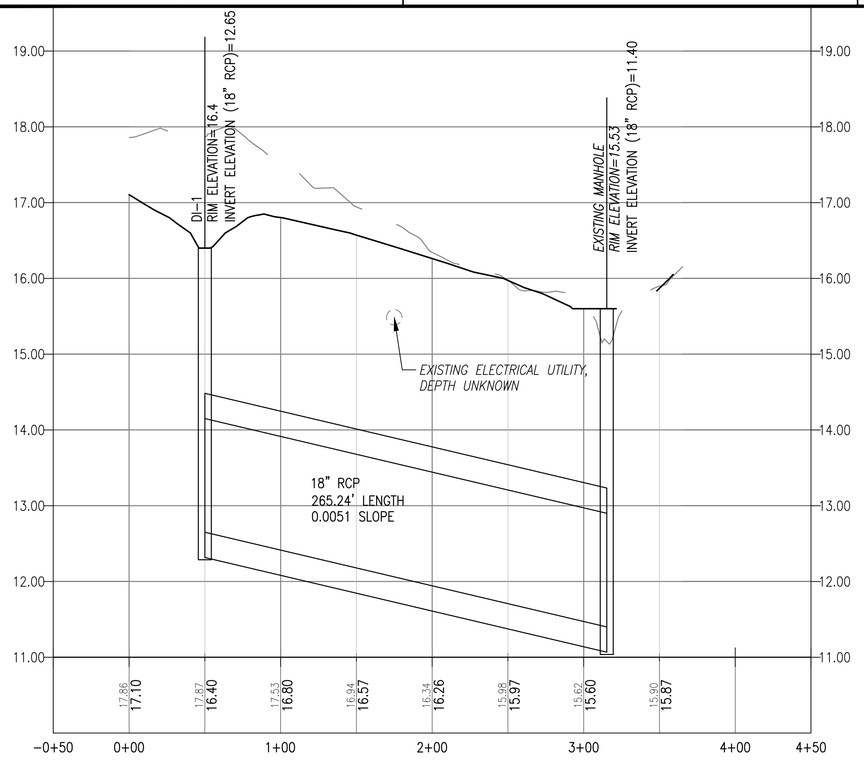
CENTERLINE PROFILES – RW 32R HOLD AREA & TW P

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12690119
SHEET 108 OF 315

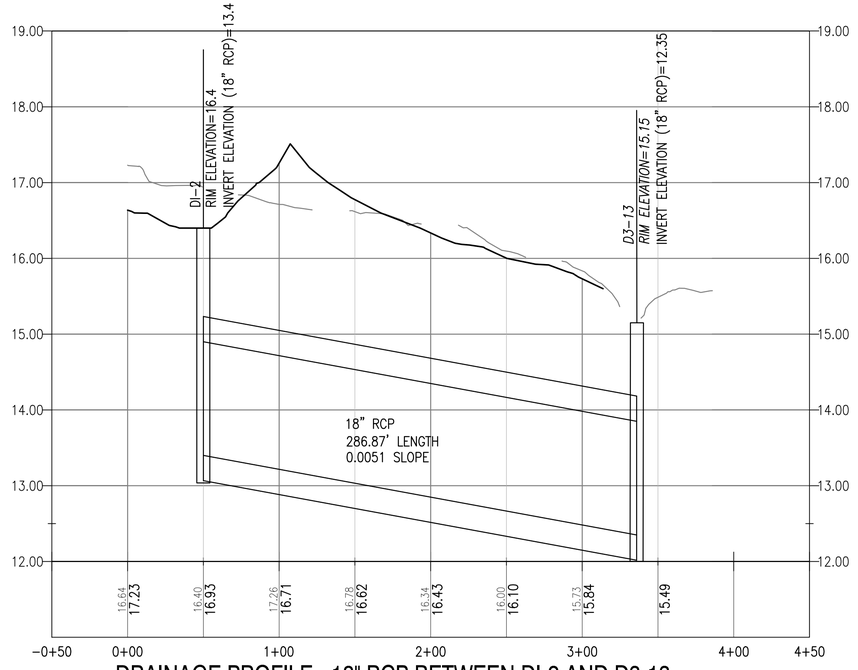
C-207

DRAWFORM REVISION: 10 MARCH 2009

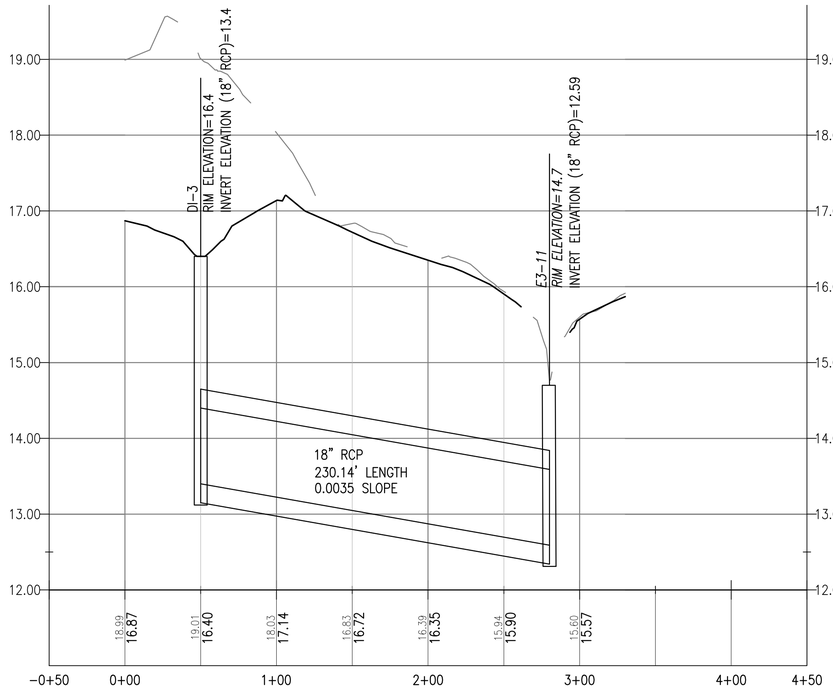
FILE NAME: G:\PHPA\99... Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-207.dwg LAYOUT NAME: C-207 PLOTTED: Monday, March 23, 2015 - 3:05pm USER: jgeorge



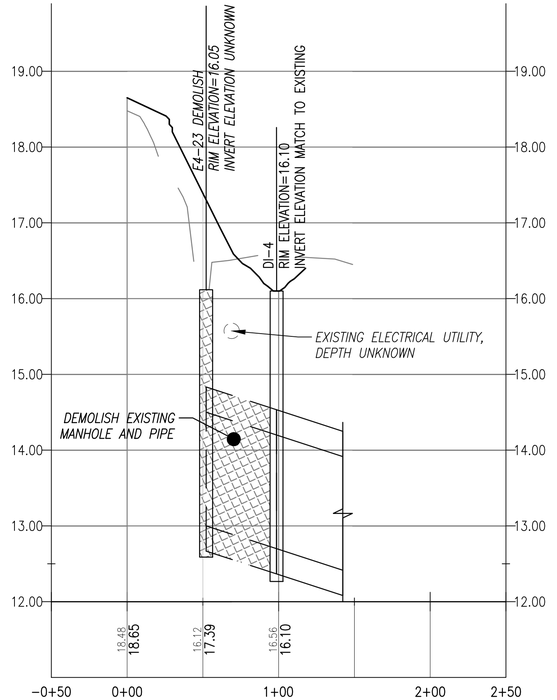
DRAINAGE PROFILE - 18" RCP BETWEEN DI-1 AND EXISTING MANHOLE



DRAINAGE PROFILE - 18" RCP BETWEEN DI-2 AND D3-13



DRAINAGE PROFILE - 18" RCP BETWEEN DI-3 AND E3-11



DRAINAGE PROFILE - PCP PIPE DEMOLITION BETWEEN E-24 AND D1-4

GRAPHIC SCALE

VERTICAL 1"=1' — 0, 1', 2', 4'

HORIZONTAL 1"=50' — 0, 50', 100', 200'

NO.	DESCRIPTION	DATE	APPR

NAVFAC

Mark J Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

JOHNSON, MIRMIRAN THOMPSON
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WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

EM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

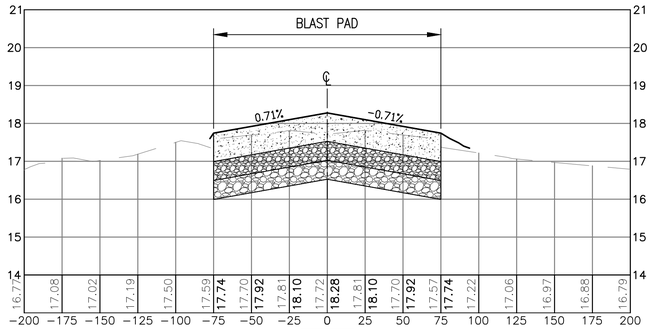
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING
DRAINAGE PROFILES

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690120
SHEET 109 OF 315

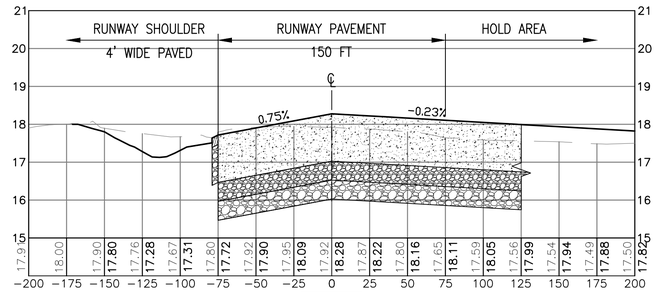
C-208

DRAWFORM REVISION: 10 MARCH 2009

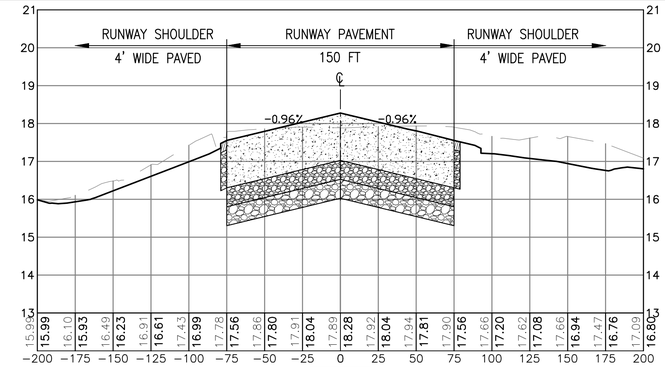
FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-208.dwg LAYOUT NAME: C-208 PLOTTED: Monday, March 23, 2015 - 3:05pm USER: jgeorge



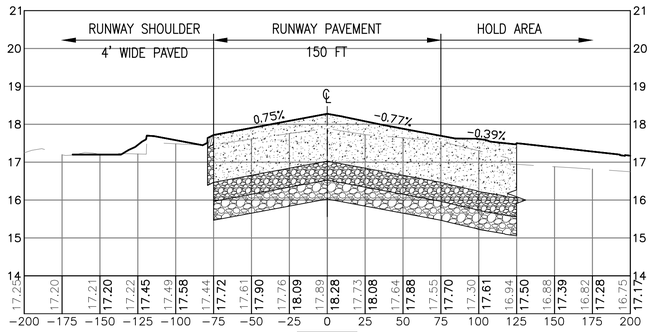
9+50



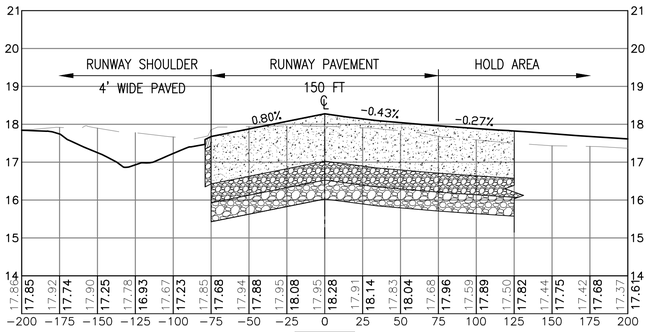
11+50



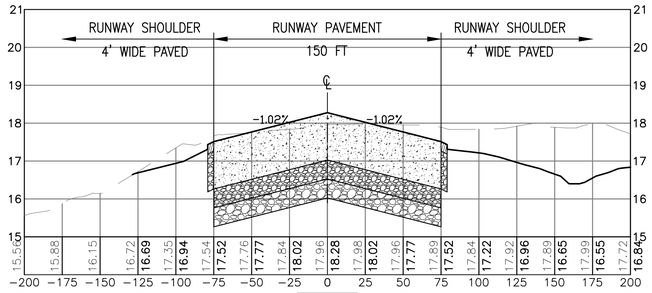
13+50



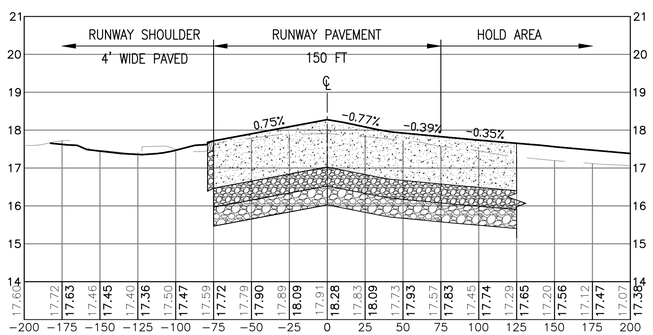
10+00



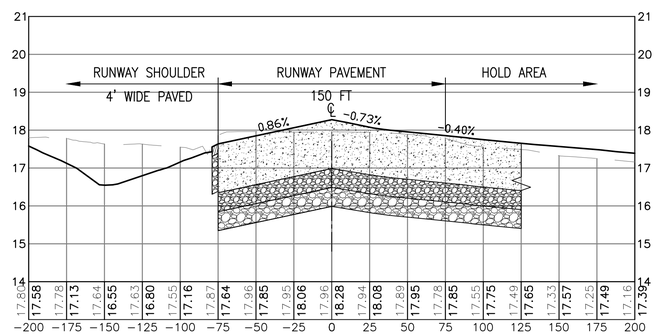
12+00



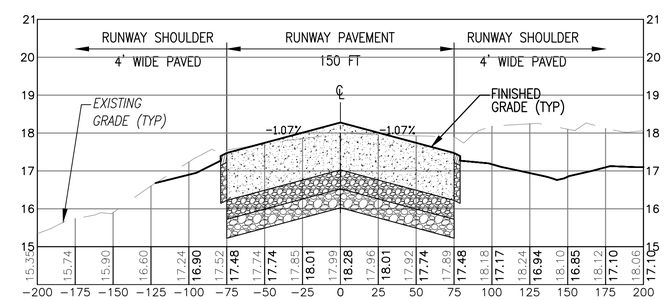
14+00



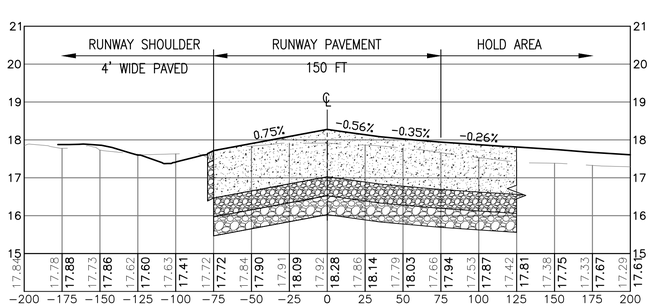
10+50



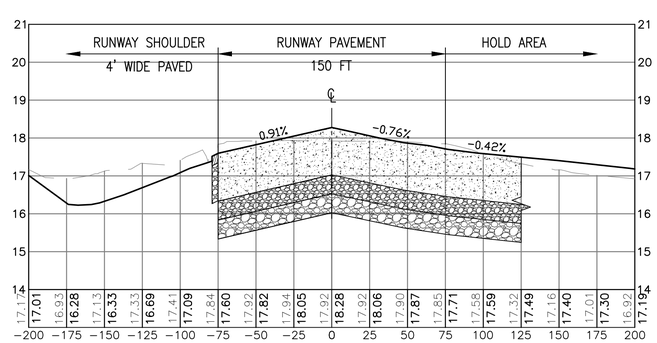
12+50



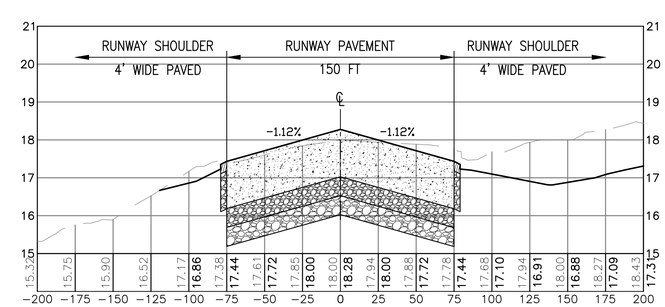
14+50



11+00



13+00



15+00

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

Mark Tiger

REGISTERED PROFESSIONAL ENGINEER MARK J TIGER 041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
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272 Bendix Road, Suite 260
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A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

RUNWAY 14L-32R CROSS SECTIONS STA: 9+50 – 15+00

SCALE: AS NOTED

EPROJECT NO.: 1312624

CONSTR. CONTR. NO.

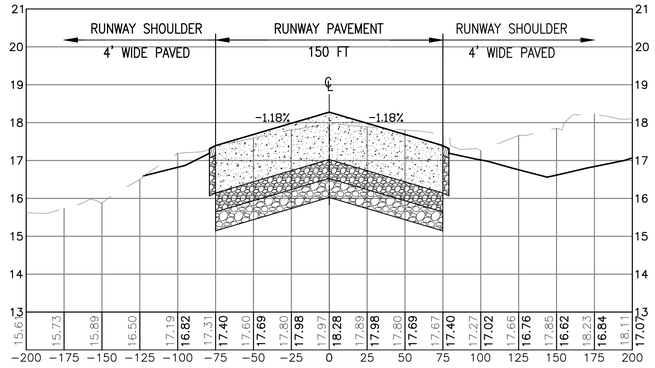
NAVFAC DRAWING NO. 12690121

SHEET 110 OF 315

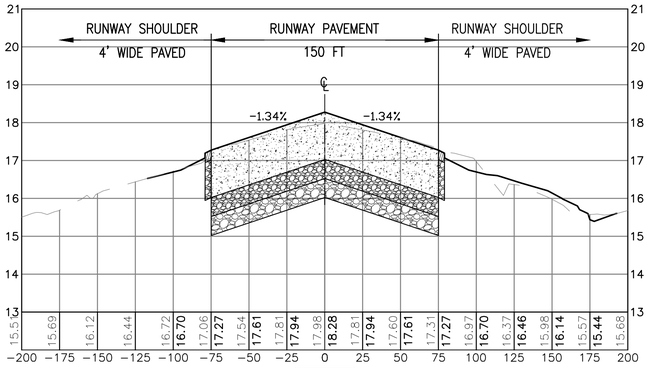
C-301

DRAWFORM REVISION: 10 MARCH 2009

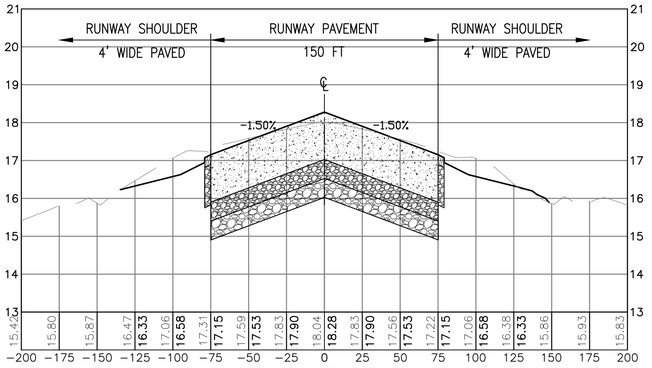
FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-301.dwg LAYOUT NAME: C-301 PLOTTED: Monday, March 23, 2015 - 3:07pm USER: jgeorge



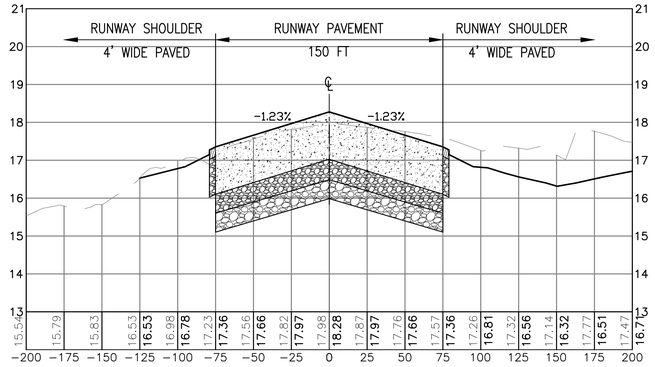
15+50



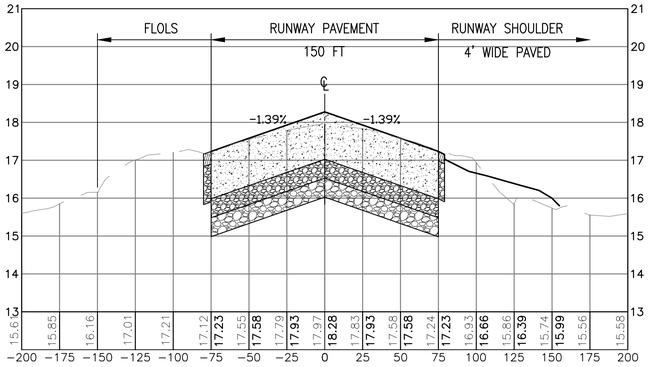
17+00



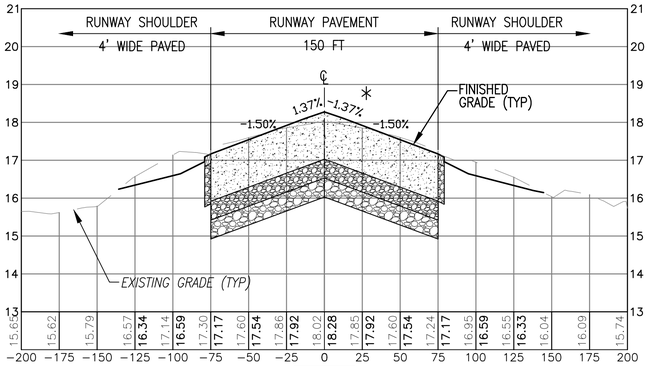
18+50



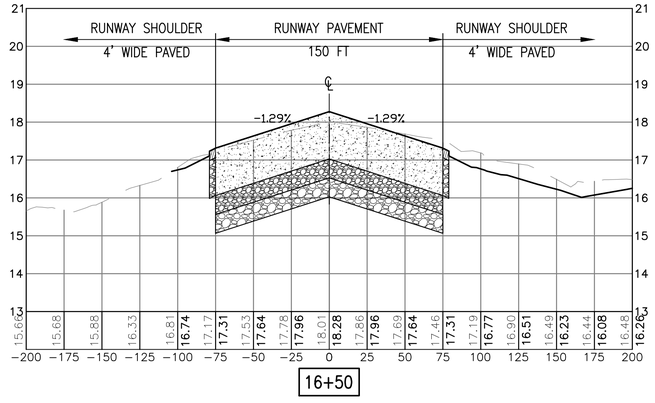
16+00



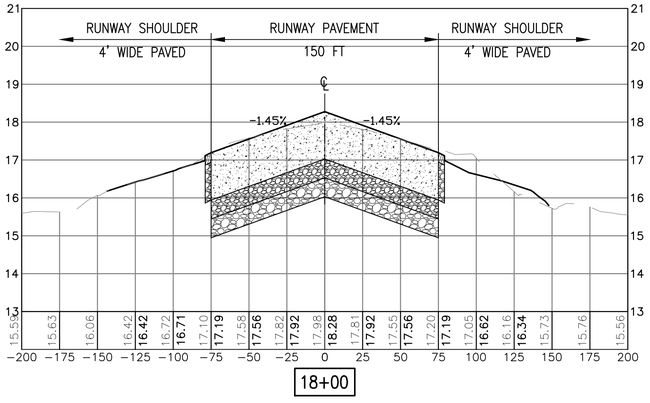
17+50



19+00



16+50



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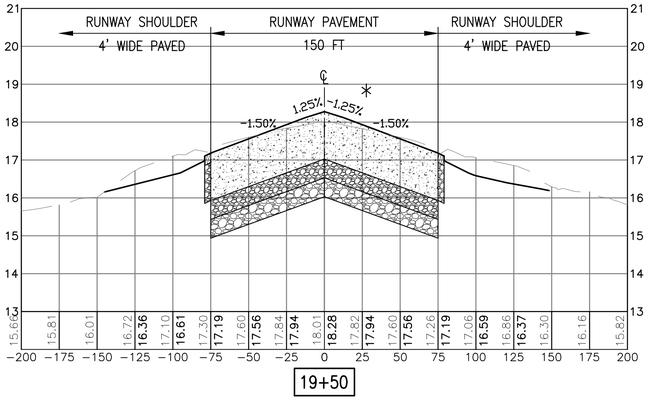

19+50

* GRADE CHANGE AT CENTER TWO SLABS FOR A/G APPROACH TRANSITION

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

NO.	DESCRIPTION	DATE	APPR

NAVFAC

Mark J. Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
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272 Bendix Road, Suite 260
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WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJC

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
HR IPT
NAVFAC MID-ATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

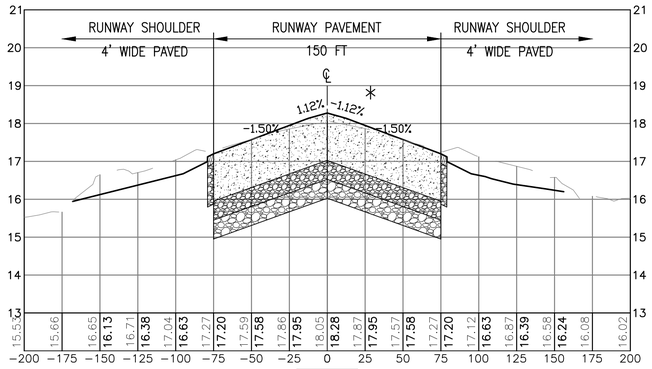
RUNWAY 14L-32R CROSS SECTIONS STA: 15+50 – 19+50

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690122
SHEET 111 OF 315

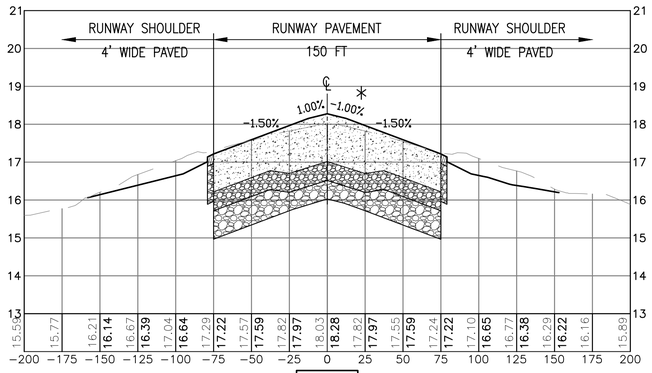
C-302

DRAWFORM REVISION: 10 MARCH 2009

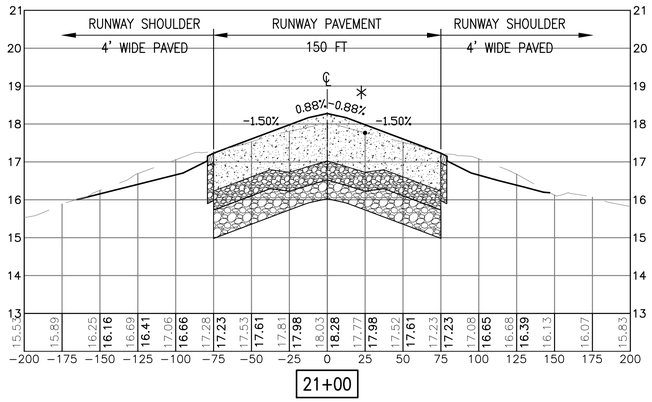
FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-302.dwg LAYOUT NAME: C-302 PLOTTED: Monday, March 23, 2015 - 3:08pm USER: jgeorge



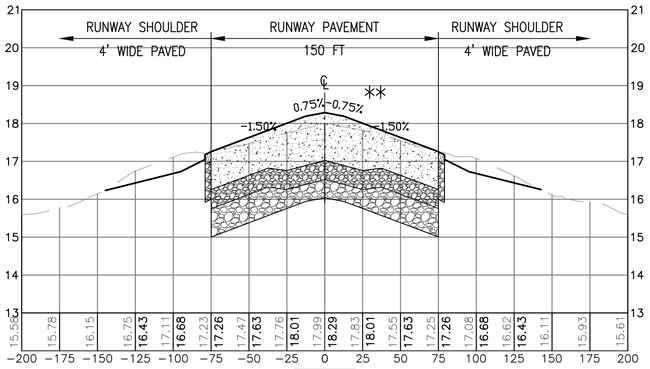
20+00



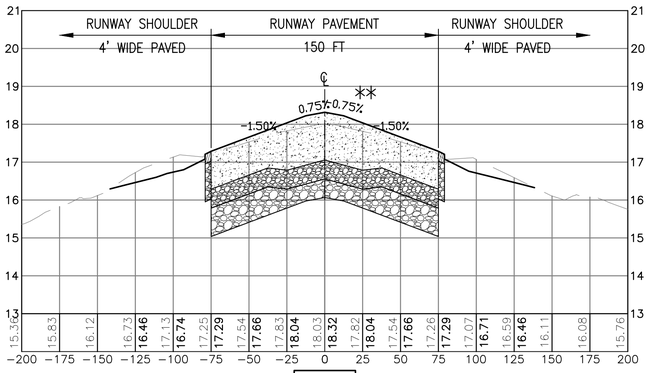
20+50



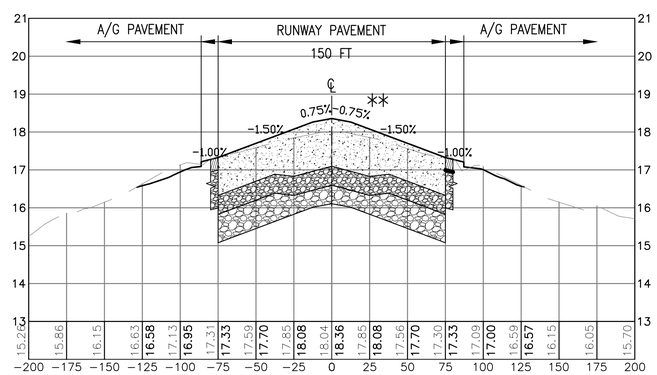
21+00



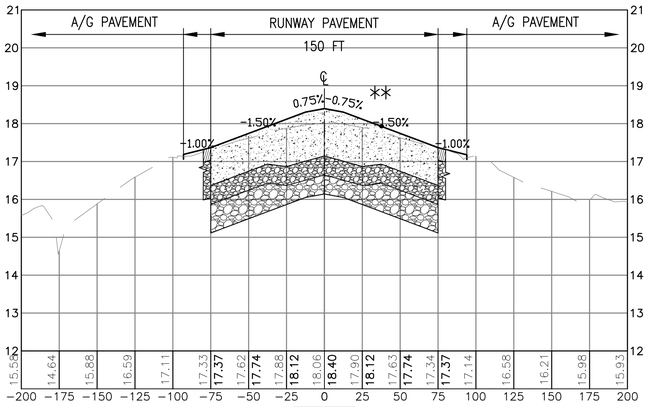
21+50



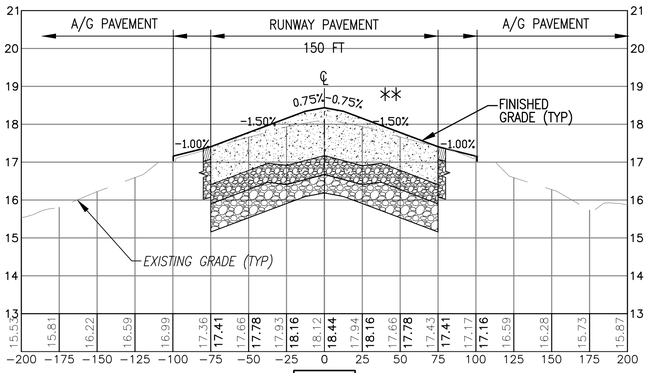
22+00



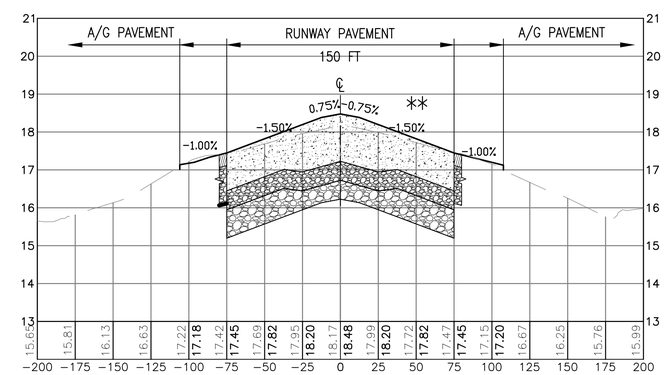
22+50



23+00



23+50



24+00

* GRADE CHANGE AT CENTER TWO SLABS FOR A/G APPROACH TRANSITION

** 0.75% RUNWAY TRANSVERSE SLOPE FOR CENTER TWO SLABS

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

Mark Tiger

REGISTERED PROFESSIONAL ENGINEER MARK J TIGER 041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA

HR IPT

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

RUNWAY 14L-32R CROSS SECTIONS STA: 20+00 – 24+00

SCALE: AS NOTED

EPROJECT NO.: 1312624

CONSTR. CONTR. NO.

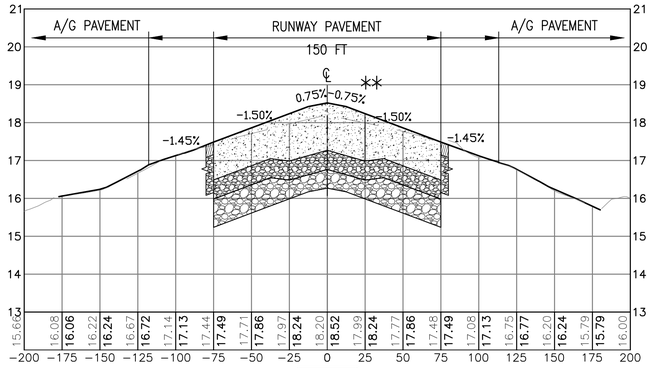
NAVFAC DRAWING NO. 12690123

SHEET 112 OF 315

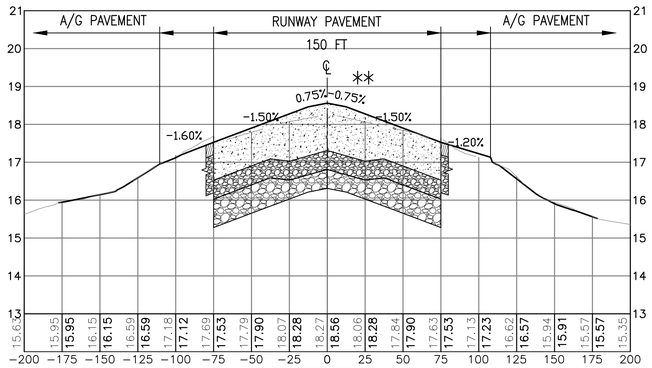
C-303

DRAWFORM REVISION: 10 MARCH 2009

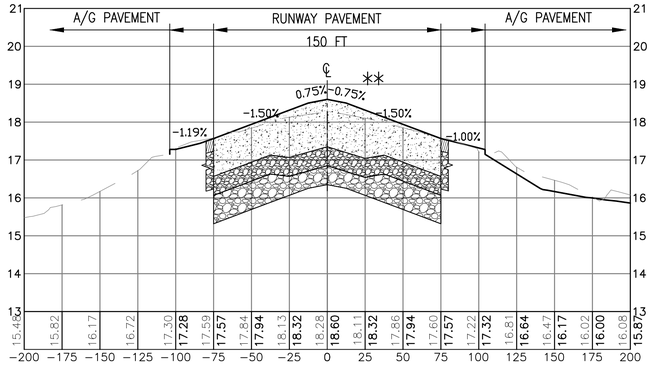
FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-303.dwg LAYOUT NAME: C-303 PLOTTED: Monday, March 23, 2015 - 3:09pm USER: jgeorge



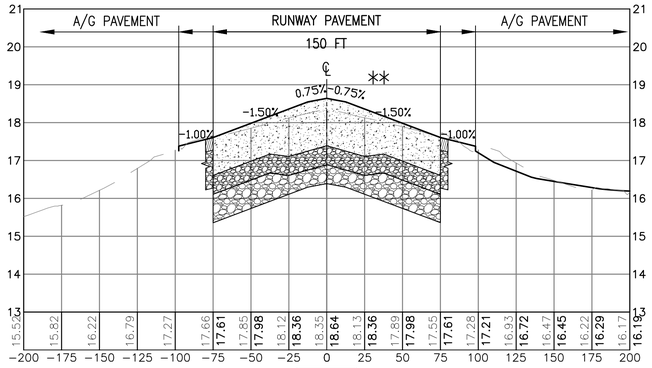
24+50



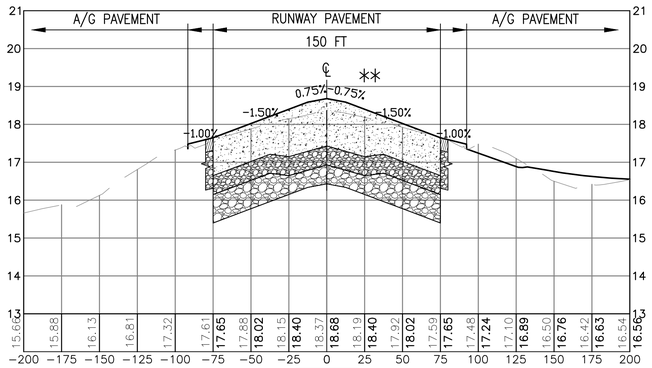
25+00



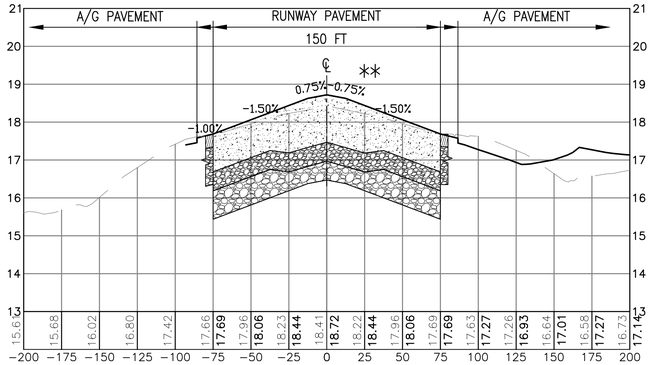
25+50



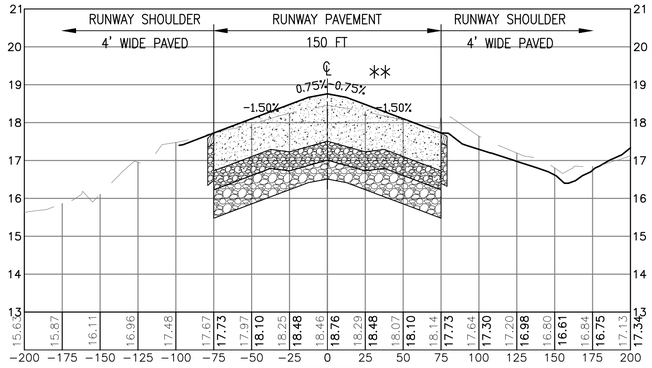
26+00



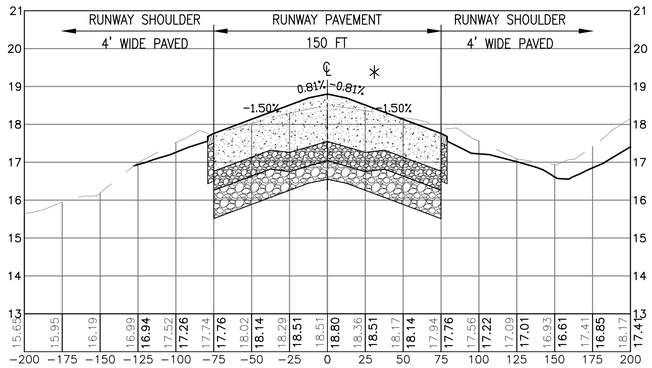
26+50



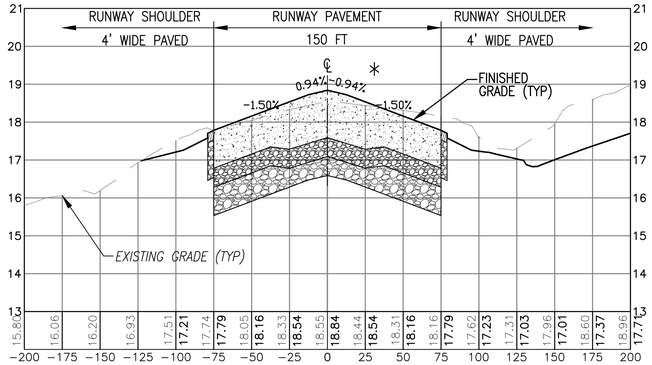
27+00



27+50



28+00



28+50

* GRADE CHANGE AT CENTER TWO SLABS FOR A/G APPROACH TRANSITION

** 0.75% RUNWAY TRANSVERSE SLOPE FOR CENTER TWO SLABS

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

Mark Tiger

COMMONWEALTH OF VIRGINIA REGISTERED PROFESSIONAL ENGINEER MARK J TIGER 041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA

HR IPT

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

RUNWAY 14L-32R CROSS SECTIONS STA: 24+50 – 28+50

SCALE: AS NOTED

EPROJECT NO.: 1312624

CONSTR. CONTR. NO.

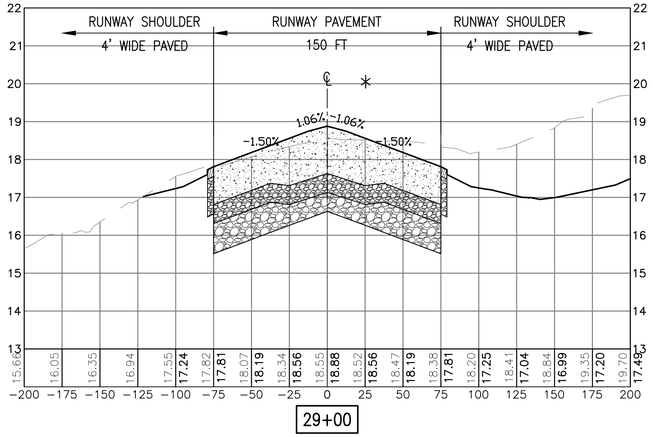
NAVFAC DRAWING NO. 12690124

SHEET 113 OF 315

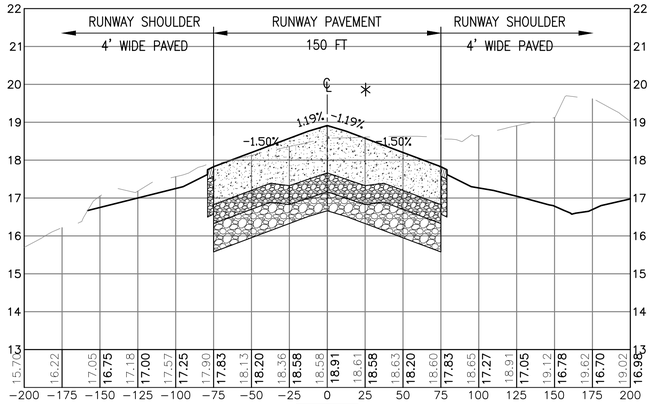
C-304

DRAWFORM REVISION: 10 MARCH 2009

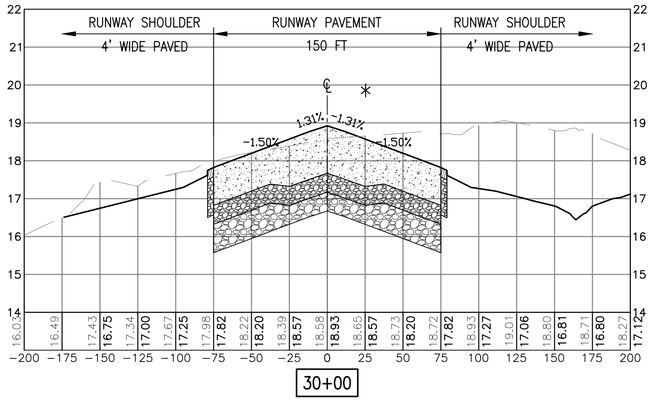
FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-304.dwg LAYOUT NAME: C-304 PLOTTED: Monday, March 23, 2015 - 3:10pm USER: jgeorge



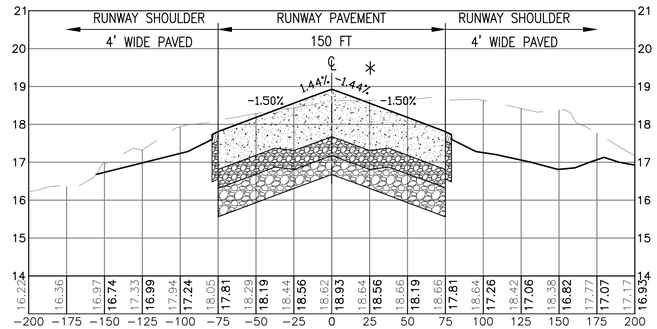
29+00



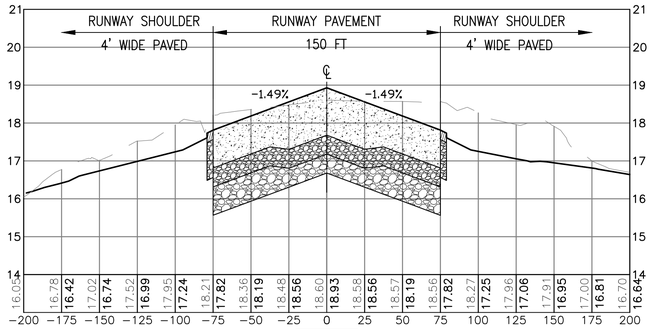
29+50



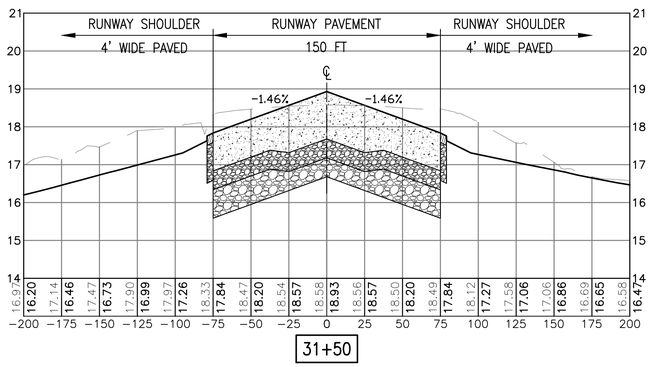
30+00



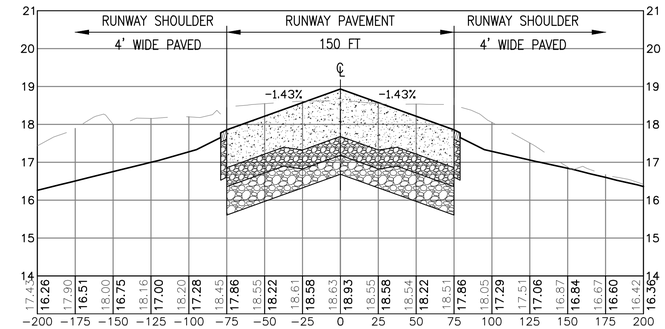
30+50



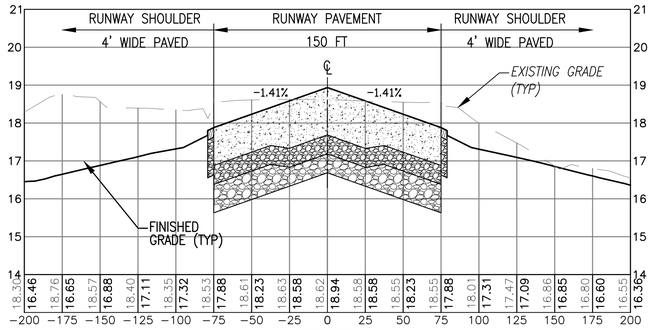
31+00



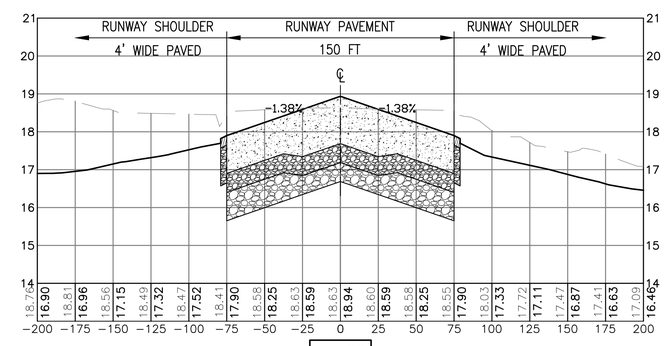
31+50



32+00



32+50



33+00

* GRADE CHANGE AT CENTER TWO SLABS FOR A/G APPROACH TRANSITION

** 0.75% RUNWAY TRANSVERSE SLOPE FOR CENTER TWO SLABS

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

Mark Tiger

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL MARK J TIGER ENGINEER 041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

HR IPT

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

RUNWAY 14L-32R CROSS SECTIONS STA: 29+00 – 33+00

SCALE: AS NOTED

EPROJECT NO.: 1312624

CONSTR. CONTR. NO.

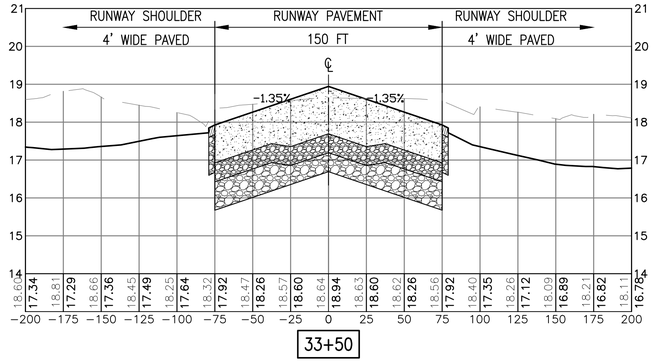
NAVFAC DRAWING NO. 12690125

SHEET 114 OF 315

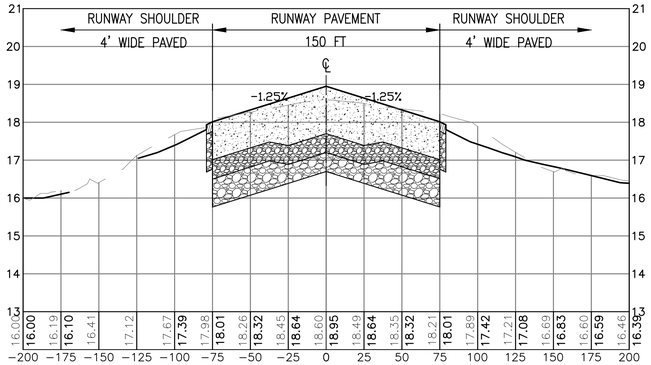
C-305

DRAWFORM REVISION: 10 MARCH 2009

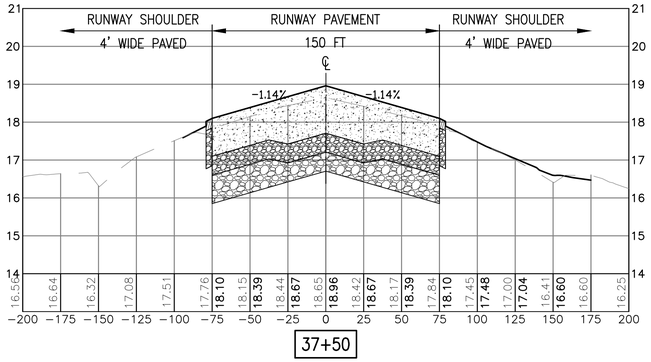
FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-305.dwg LAYOUT NAME: C-305 PLOTTED: Monday, March 23, 2015 - 3:12pm USER: jgeorge



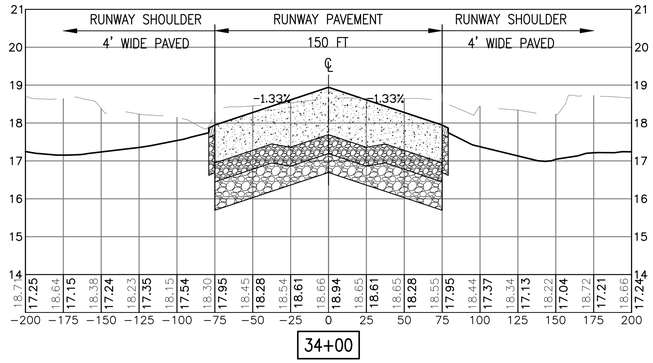
33+50



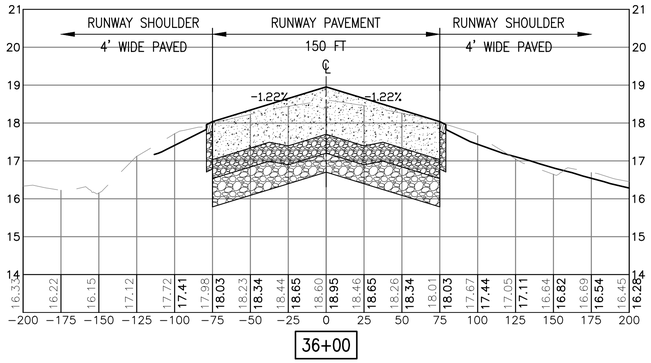
35+50



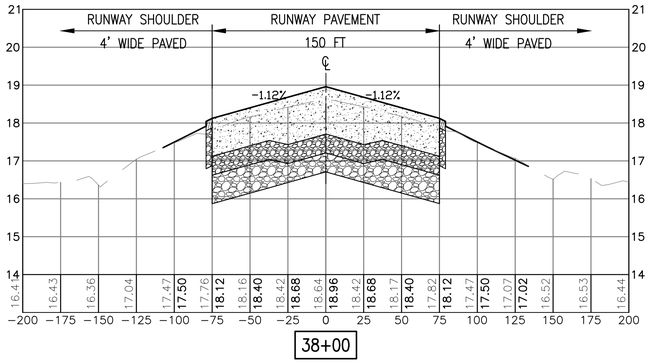
37+50



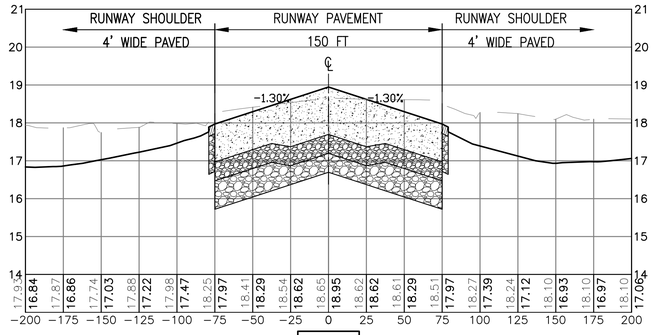
34+00



36+00



38+00



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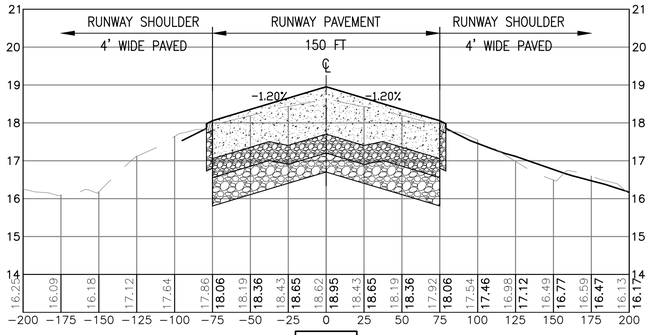

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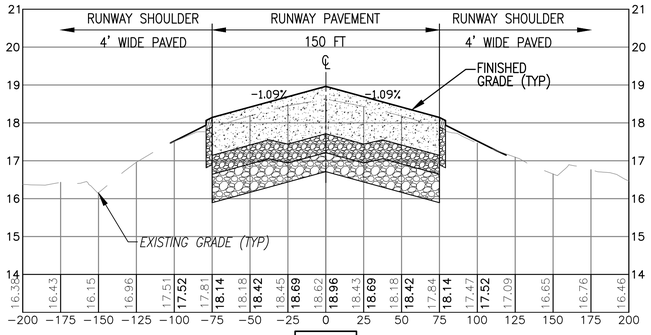
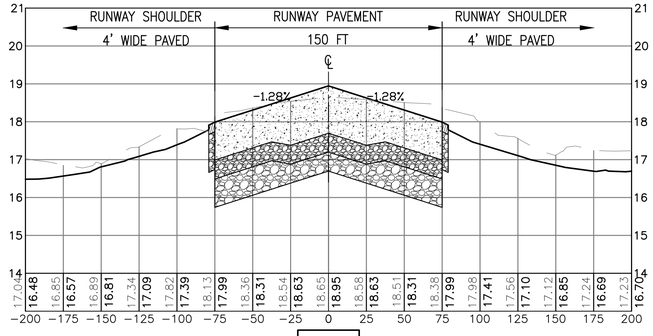
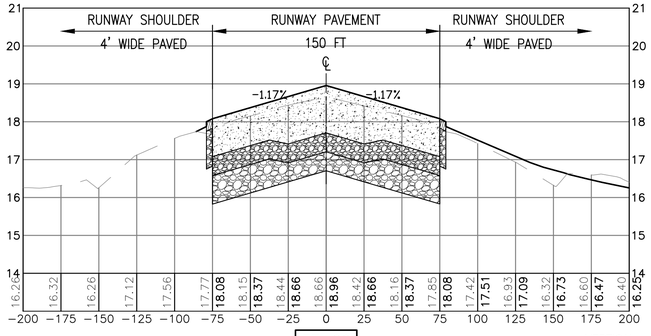


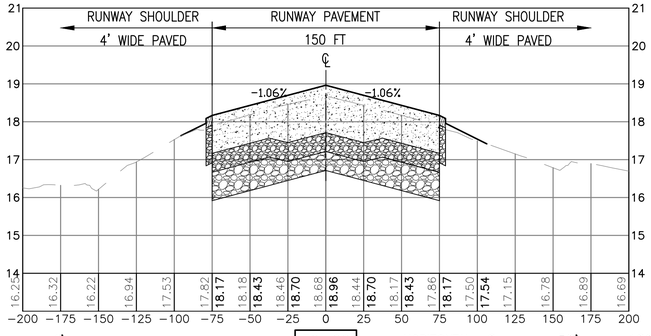
38+50



35+00



37+00



39+00

VERTICAL 1"=2'

0 2' 4'

HORIZONTAL 1"=50'

0 50' 100'

APPR	DATE	DESCRIPTION	SYM

NAVFAC

Mark J. Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
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A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES	MJT	DRW	DFD	CHK	ELO

PM/DM

BRANCH MANAGER *BJC*

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVFAC MID-ATLANTIC
HR IPT

NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

RUNWAY 14L–32R CROSS SECTIONS STA: 33+50 – 39+00

SCALE: AS NOTED

EPROJECT NO.: 1312624

CONSTR. CONTR. NO.

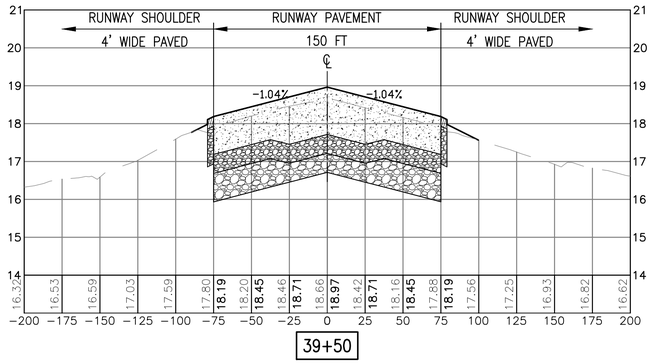
NAVFAC DRAWING NO.
12690126

SHEET 115 OF 315

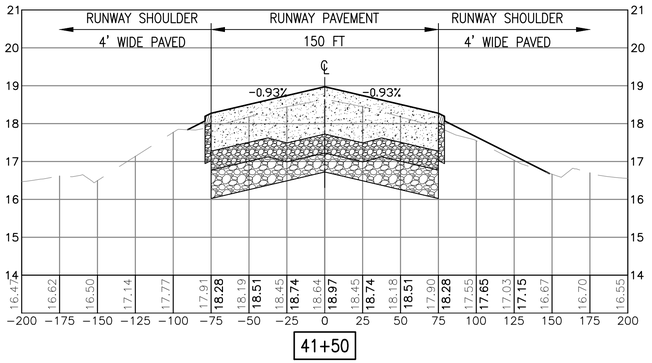
C-306

DRAWFORM REVISION: 10 MARCH 2009

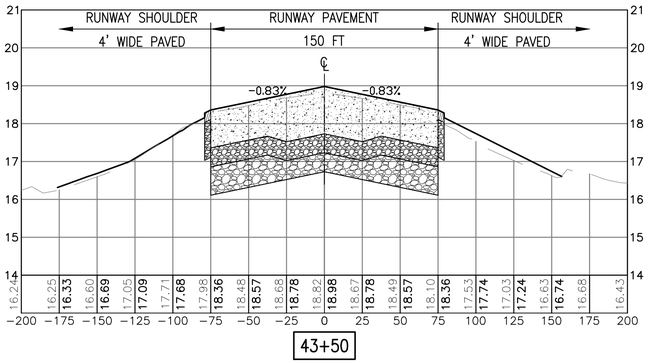
FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL–CIVIL\10–0863–007–C–306.dwg LAYOUT NAME: C–306 PLOTTED: Monday, March 23, 2015 – 3:13pm USER: jgeorge



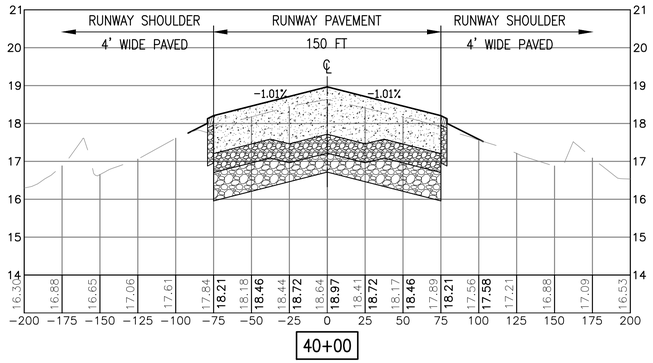
39+50



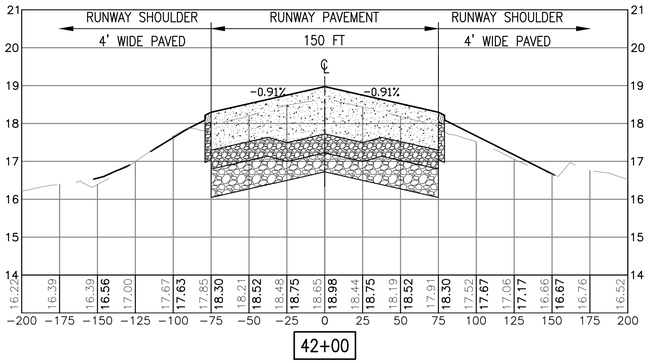
41+50



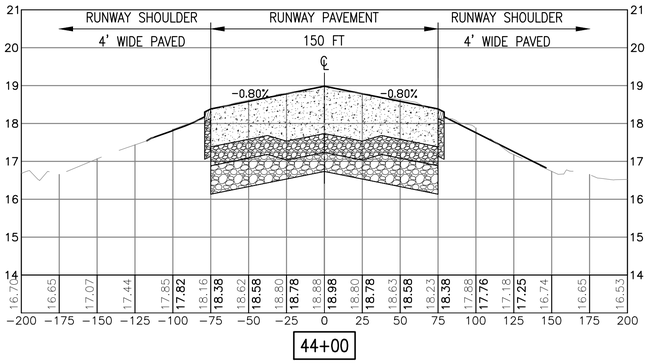
43+50



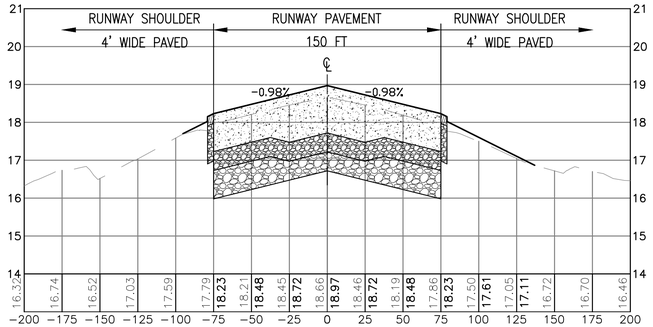
40+00



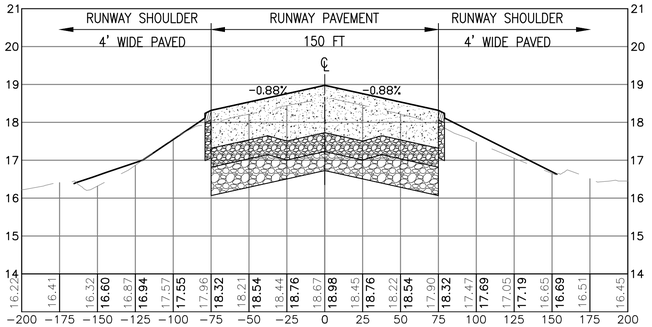
42+00



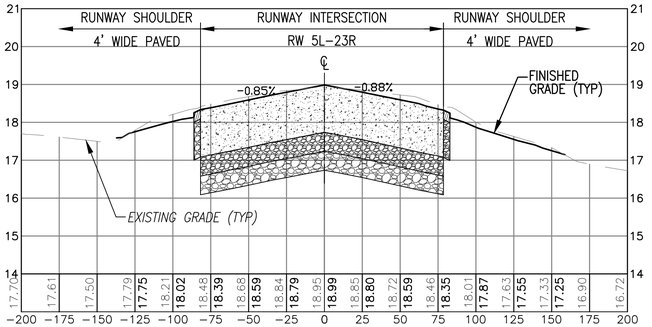
44+00



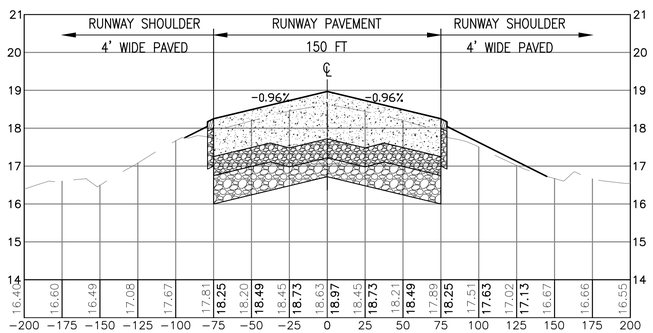
40+50



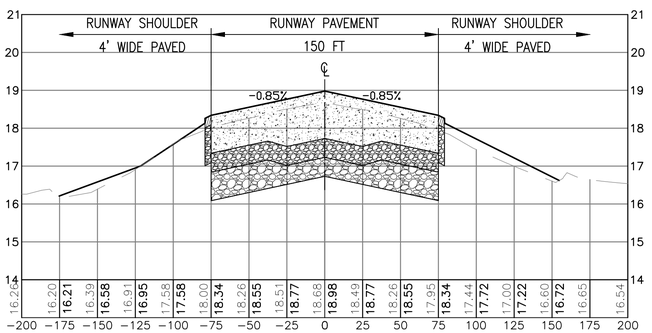
42+50



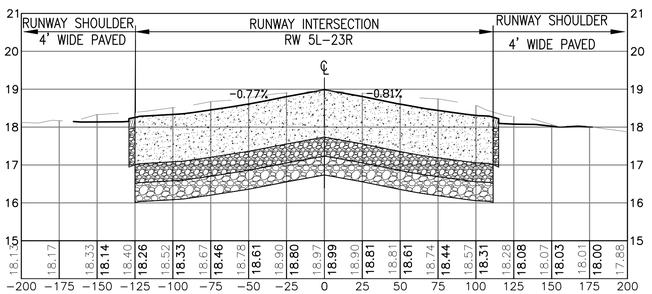
44+50



41+00



43+00



45+00

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-307.dwg LAYOUT NAME: C-307 PLOTTED: Monday, March 23, 2015 - 3:14pm USER: jgeorge

APPR | DATE | DESCRIPTION | SYM

NAVFAC

Mark J. Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E
COMMONWEALTH OF VIRGINIA

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES MJT | DRW DFD | CHK ELO
PM/DM
BRANCH MANAGER BJL
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVFAC MID-ATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
HR IPT

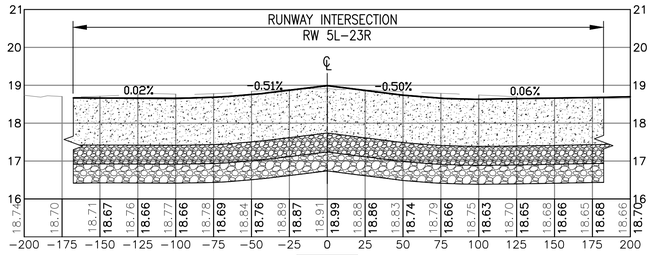
SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

RUNWAY 14L-32R CROSS SECTIONS STA: 39+50 - 45+00

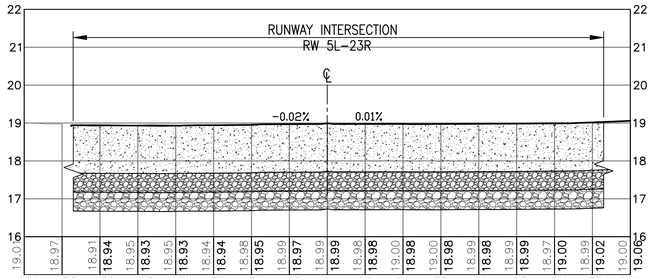
SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690127
SHEET 116 OF 315

C-307

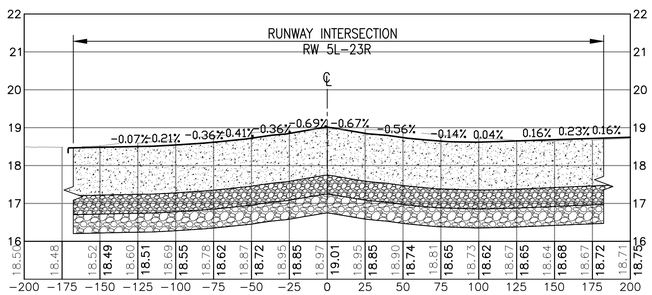
DRAWFORM REVISION: 10 MARCH 2009



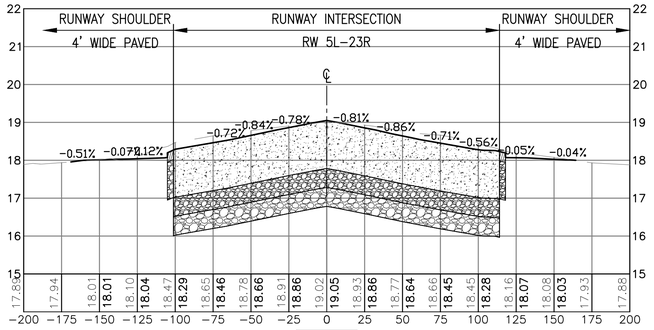
45+50



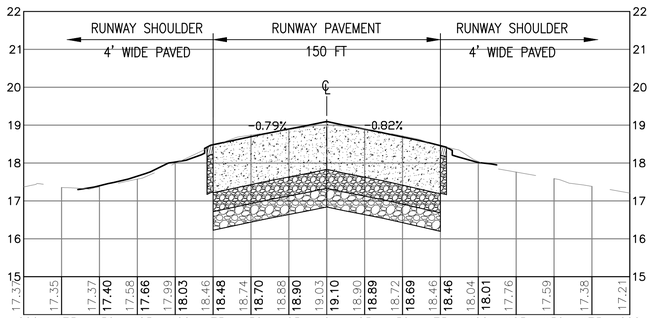
46+00



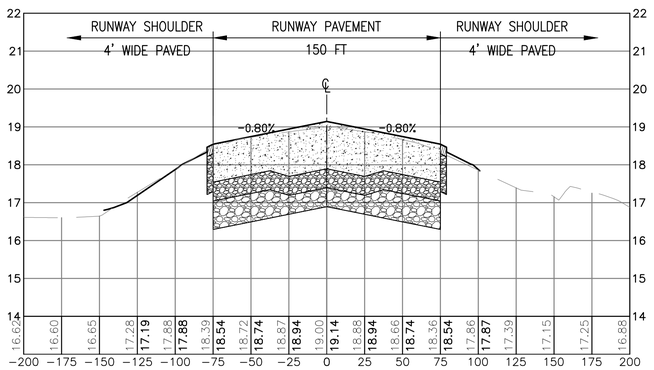
46+50



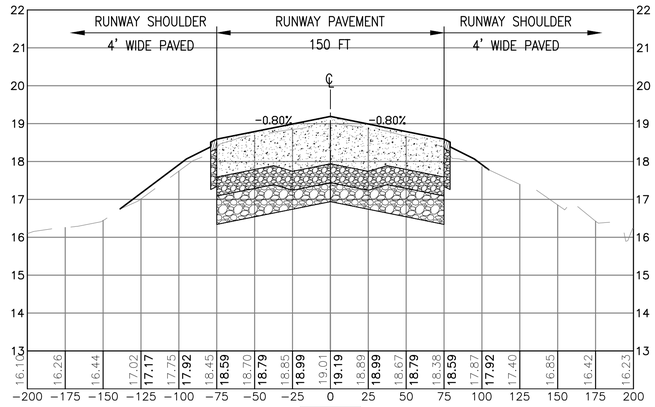
47+00



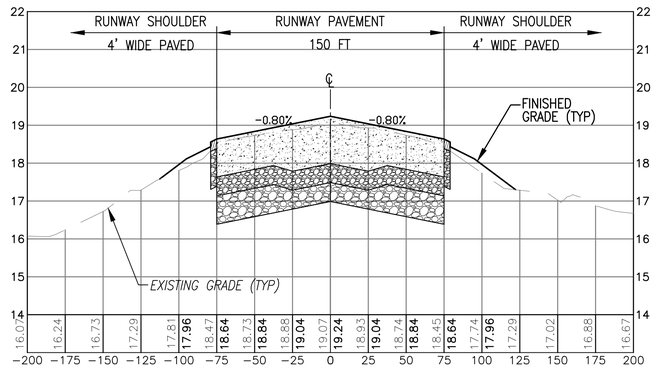
47+50



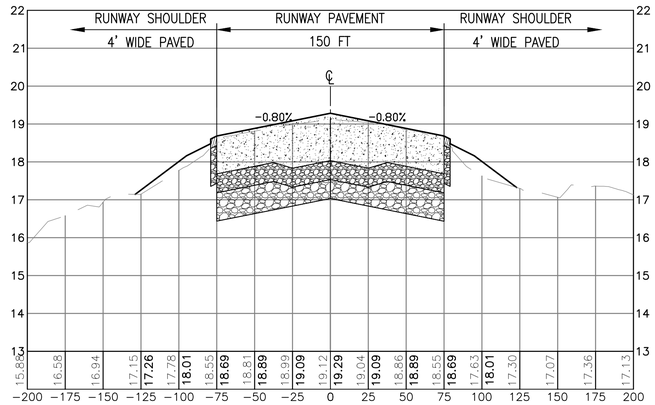
48+00



48+50



49+00



49+50

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

Mark Tiger

COMMONWEALTH OF VIRGINIA REGISTERED PROFESSIONAL ENGINEER MARK J TIGER 041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

HR IPT

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

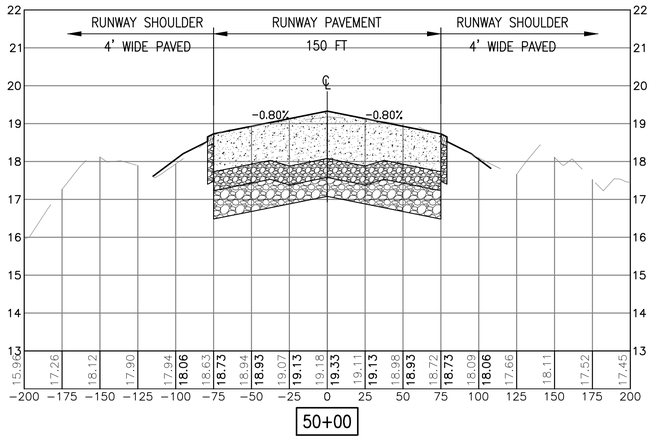
RUNWAY 14L-32R CROSS SECTIONS STA: 45+50 – 49+50

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690128
SHEET 117 OF 315

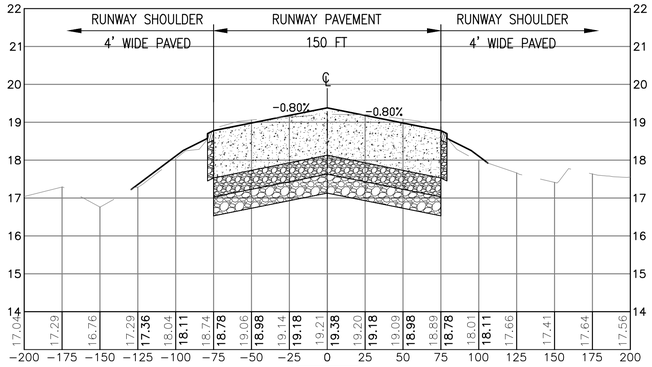
C-308

DRAWFORM REVISION: 10 MARCH 2009

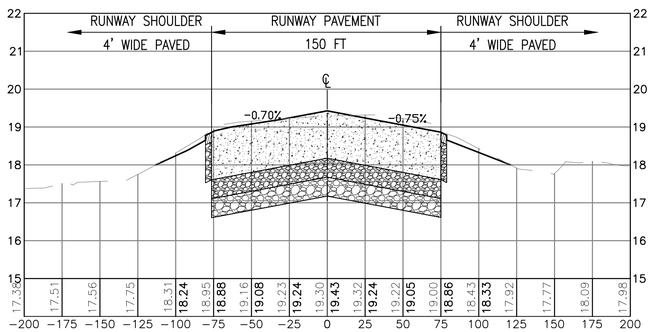
FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-308.dwg LAYOUT NAME: C-308 PLOTTED: Monday, March 23, 2015 - 3:15pm USER: jgeorge



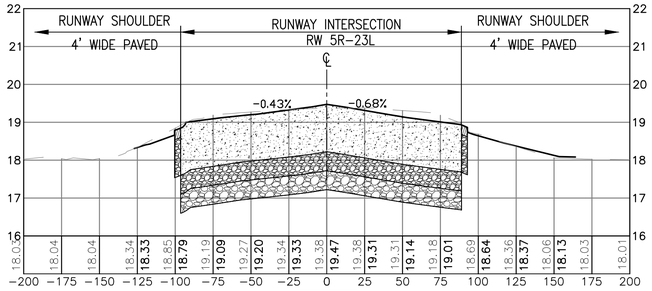
50+00



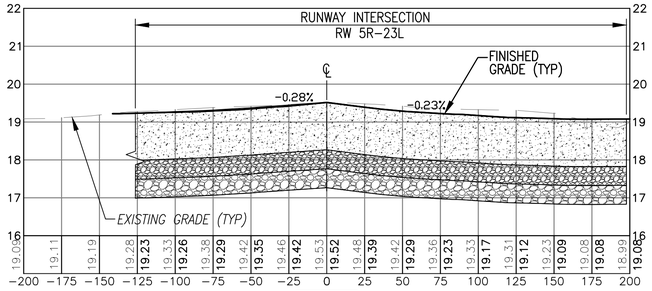
50+50



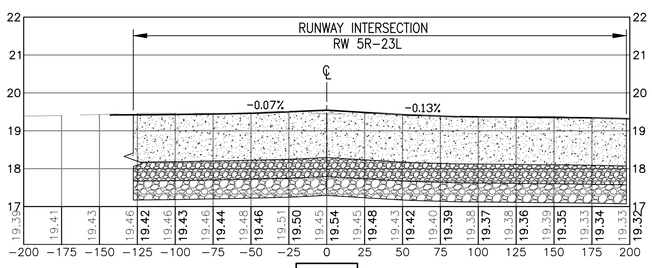
51+00



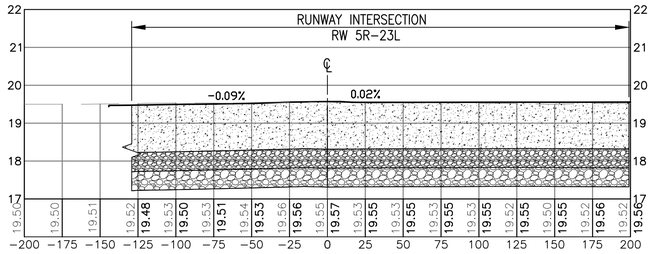
51+50



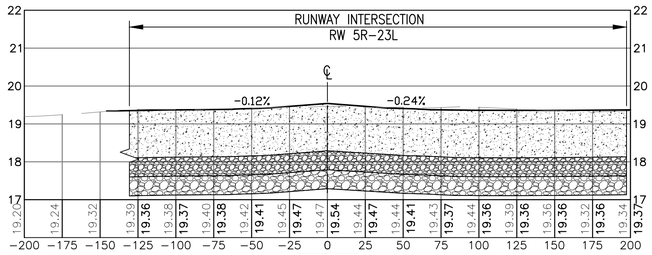
52+00



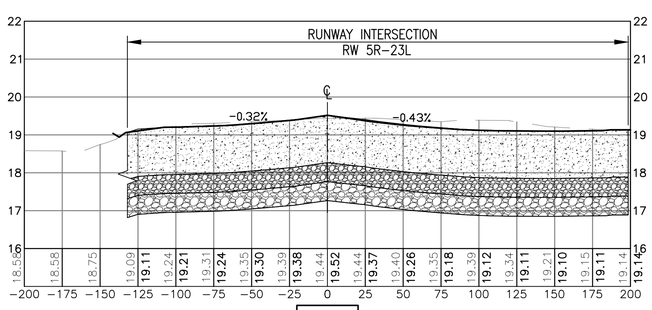
52+50



53+00



53+50



54+00

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

Mark Tiger

COMMONWEALTH OF VIRGINIA REGISTERED PROFESSIONAL ENGINEER MARK J TIGER 041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

HR IPT

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

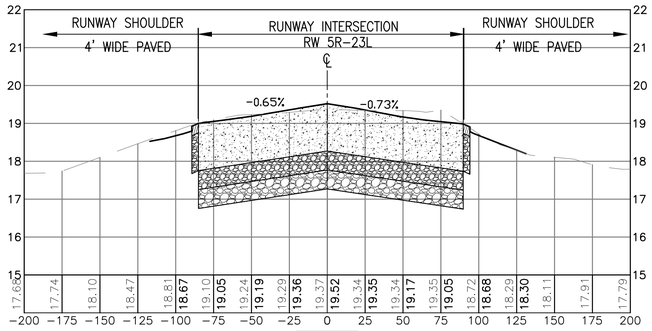
RUNWAY 14L-32R CROSS SECTIONS STA: 50+00 – 54+00

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690129
SHEET 118 OF 315

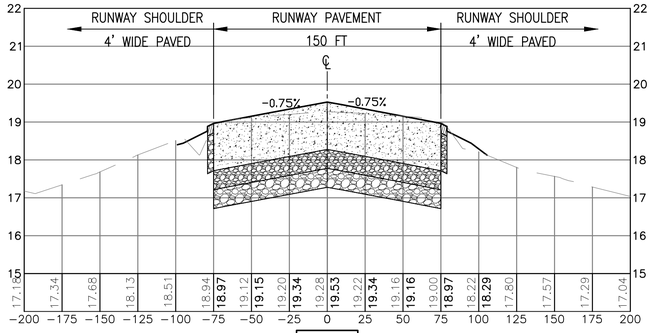
C-309

DRAWFORM REVISION: 10 MARCH 2009

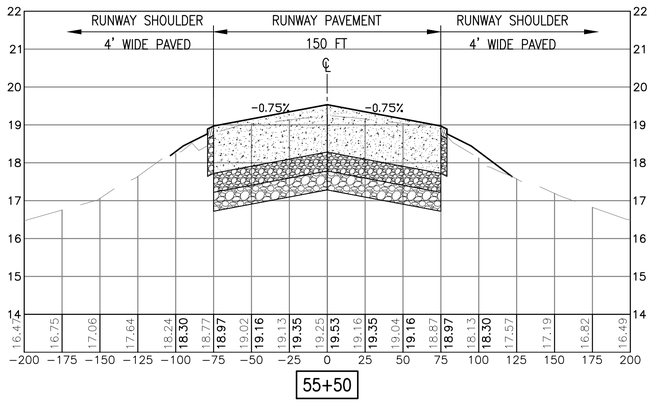
FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-309.dwg LAYOUT NAME: C-309 PLOTTED: Monday, March 23, 2015 - 3:17pm USER: jgeorge



54+50



55+00



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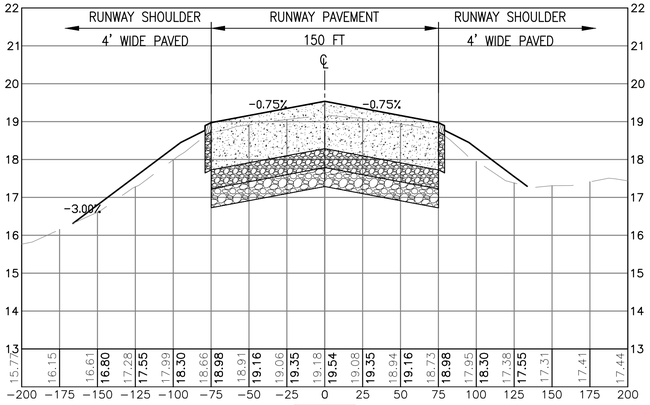
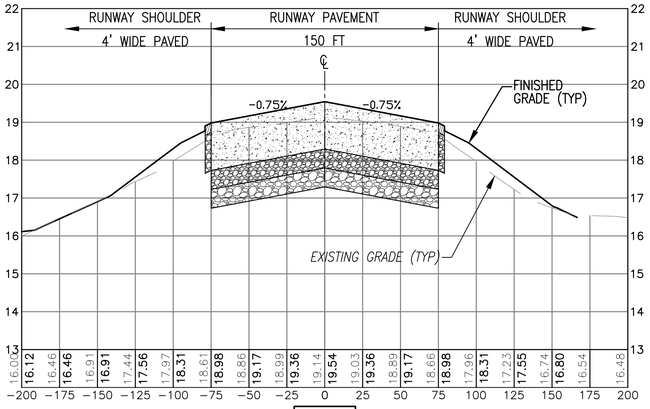
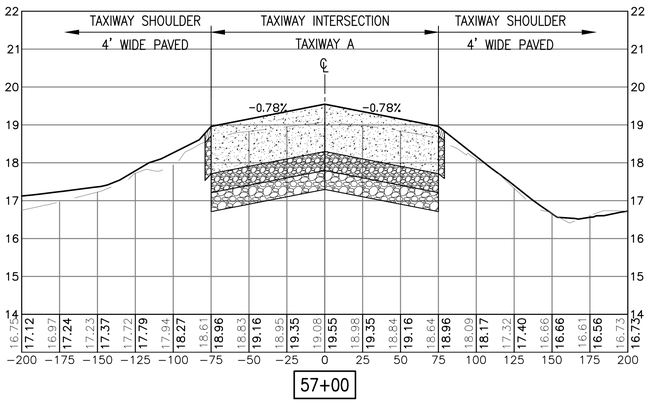


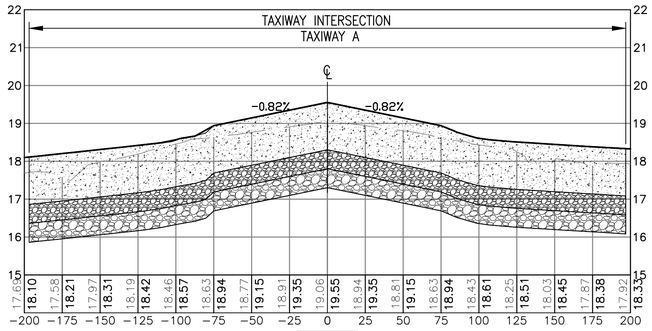
56+00



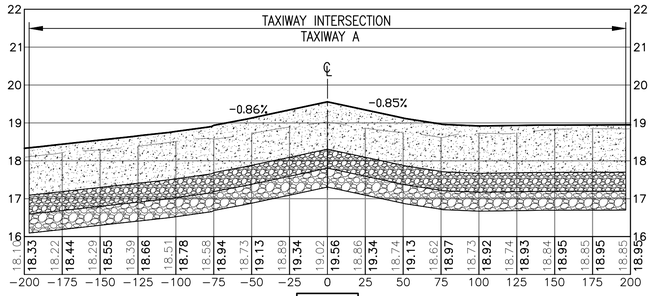
56+50



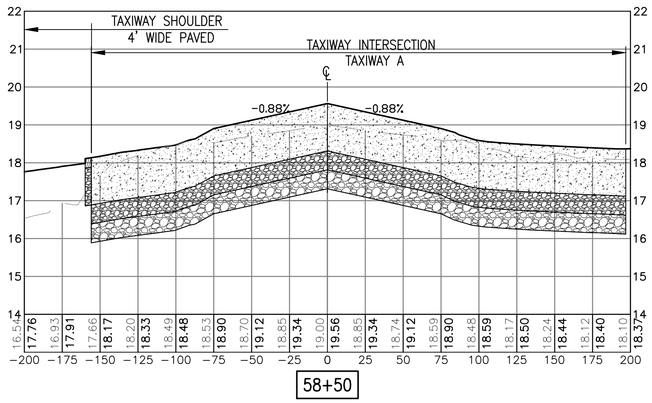
57+00



57+50



58+00



58+50

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

Mark Tiger

MARK J TIGER
REGISTERED PROFESSIONAL ENGINEER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
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Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

HR IPT

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

RUNWAY 14L-32R CROSS SECTIONS STA: 54+50 – 58+50

SCALE: AS NOTED

EPROJECT NO.: 1312624

CONSTR. CONTR. NO.

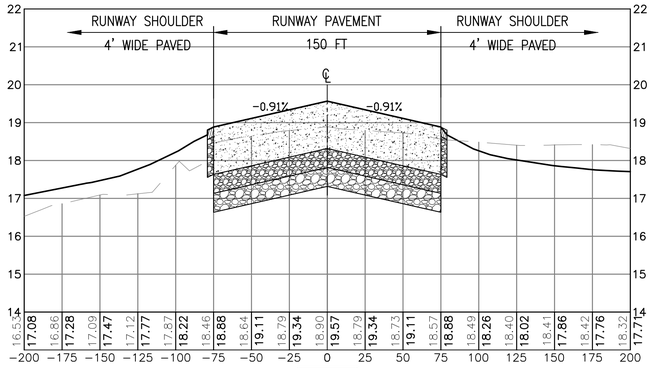
NAVFAC DRAWING NO. 12690130

SHEET 119 OF 315

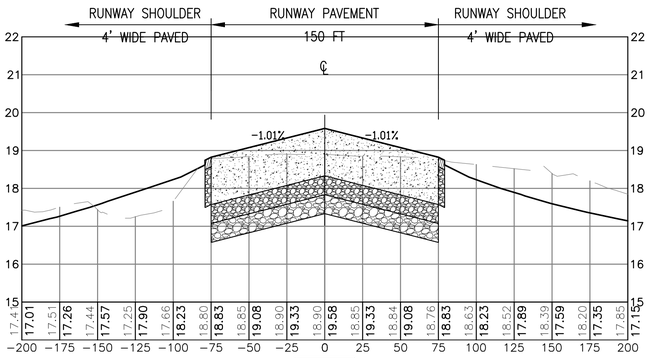
C-310

DRAWFORM REVISION: 10 MARCH 2009

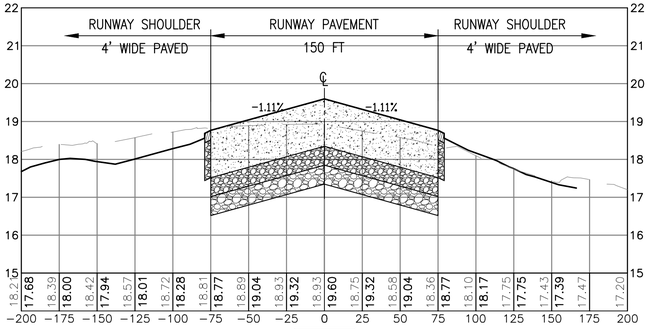
FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-310.dwg LAYOUT NAME: C-310 PLOTTED: Monday, March 23, 2015 - 3:18pm USER: jgeorge



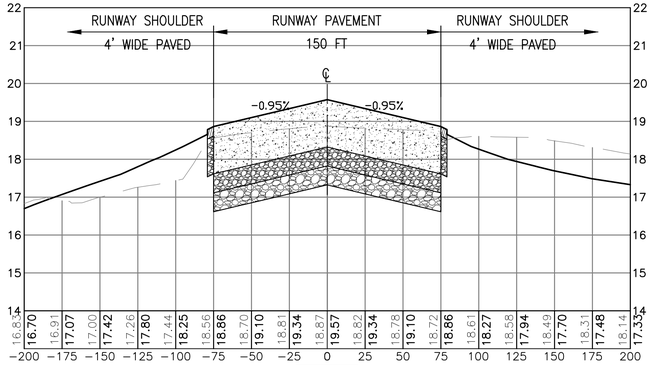
59+00



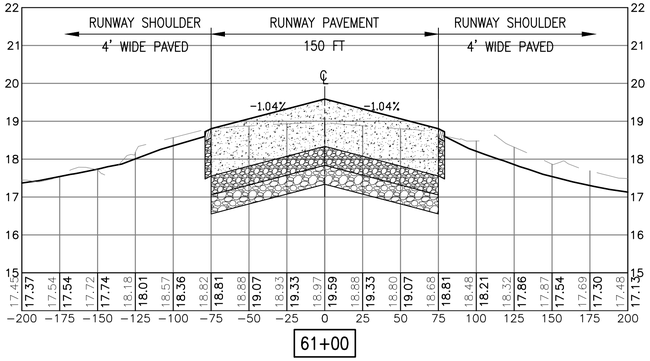
60+50



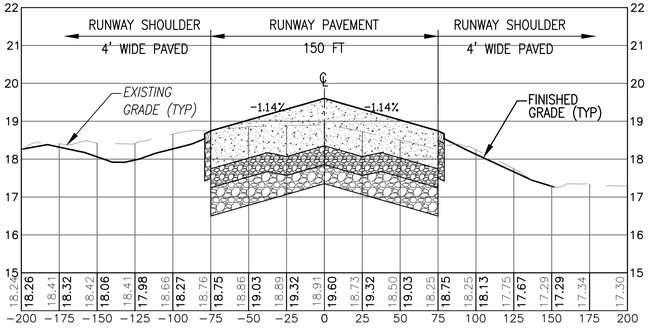
62+00



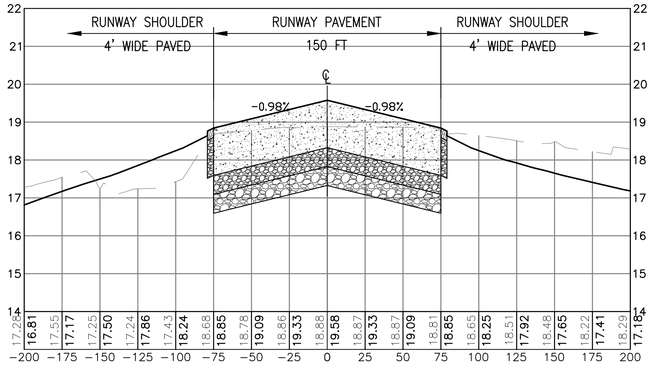
59+50



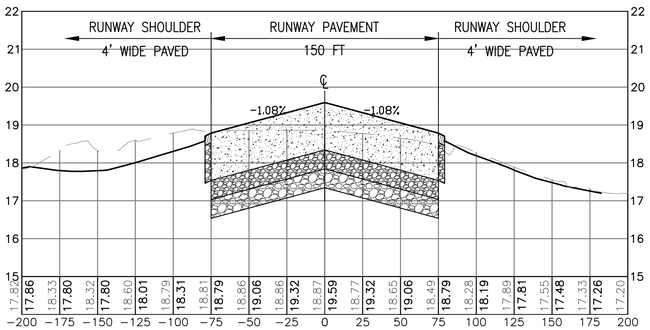
61+00



62+50



60+00



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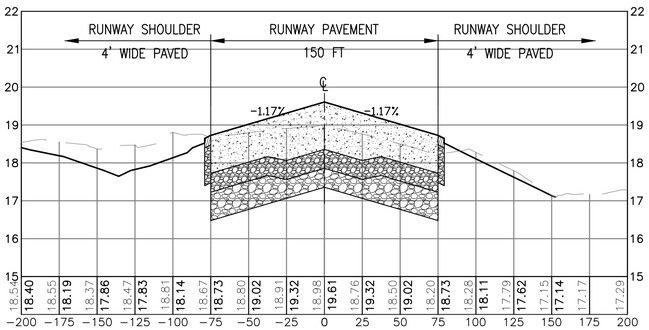


63+00

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

APPR | DATE | DESCRIPTION | SYM

NAVFAC

Mark J. Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT | DRW DFD | CHK ELO

PM/DM

BRANCH MANAGER BJC

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NAVFAC MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

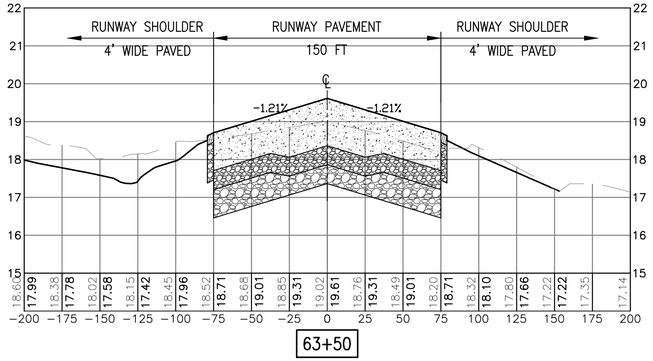
RUNWAY 14L–32R CROSS SECTIONS STA: 59+00 – 63+00

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690131
SHEET 120 OF 315

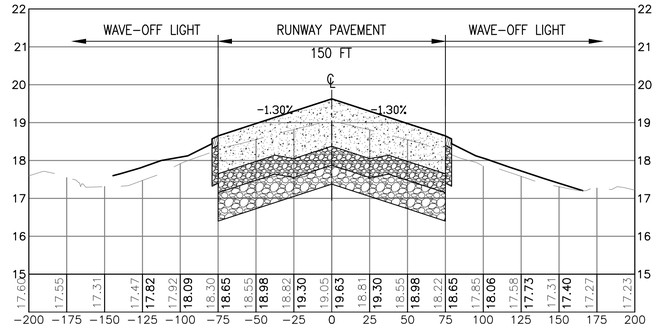
C-311

DRAWFORM REVISION: 10 MARCH 2009

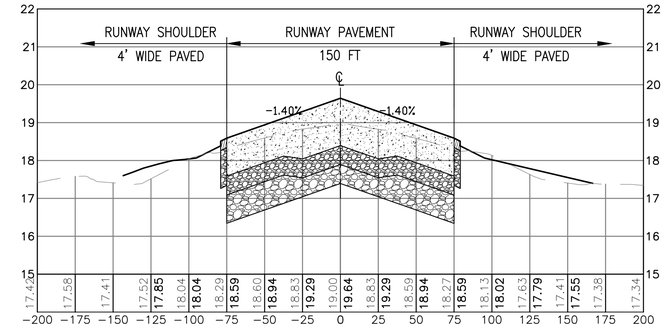
FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-311.dwg LAYOUT NAME: C-311 PLOTTED: Monday, March 23, 2015 - 3:19pm USER: jgeorge



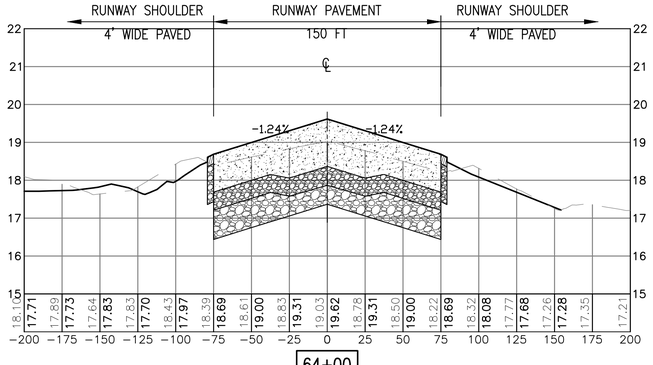
63+50



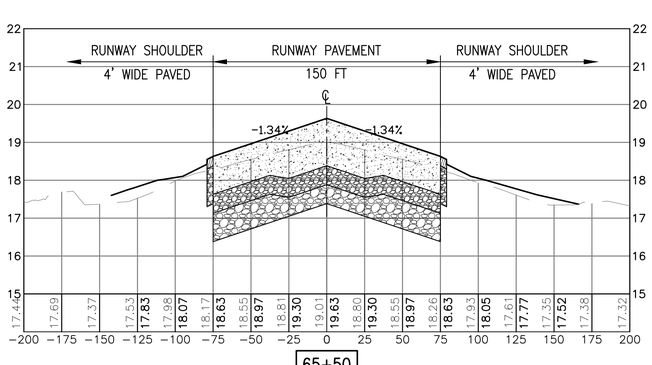
65+00



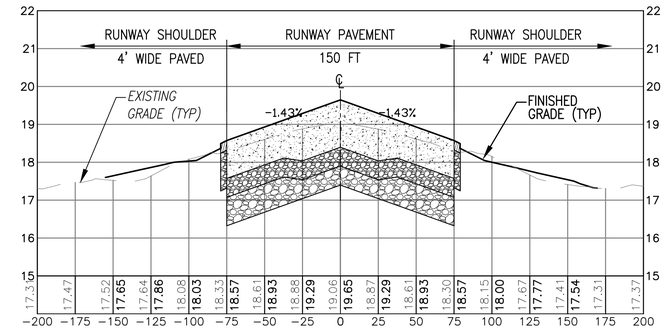
66+50



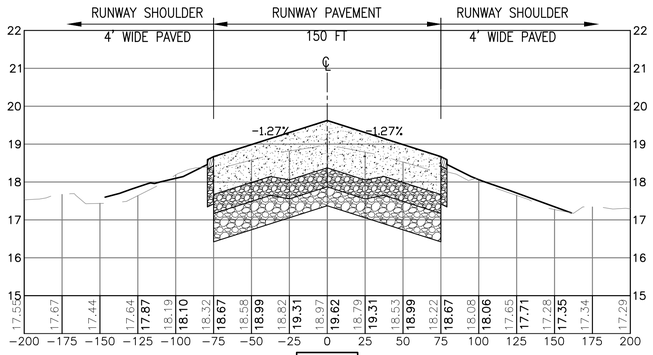
64+00



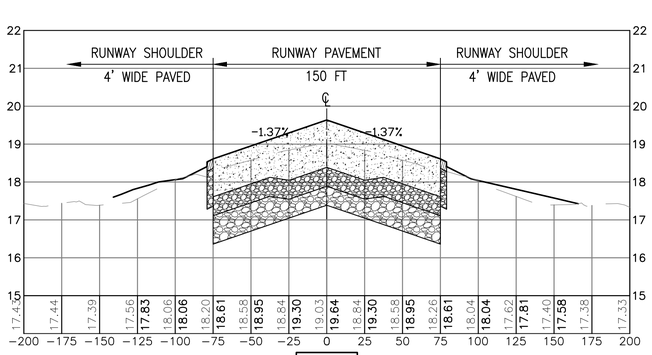
65+50



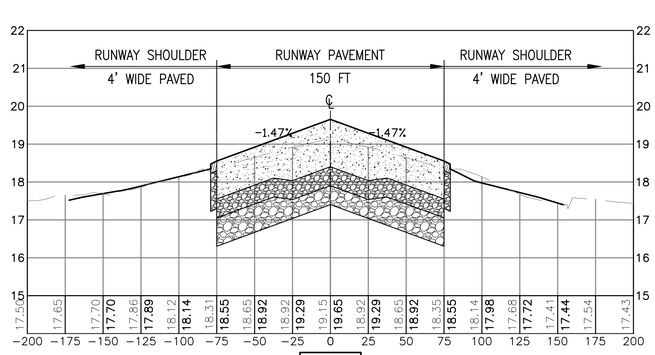
67+00



64+50



66+00



67+50

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

NAVFAC

Mark Tiger

MARK J TIGER

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
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Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

HR IPT

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

RUNWAY 14L-32R CROSS SECTIONS STA: 63+50 - 67+50

SCALE: AS NOTED

EPROJECT NO.: 1312624

CONSTR. CONTR. NO.

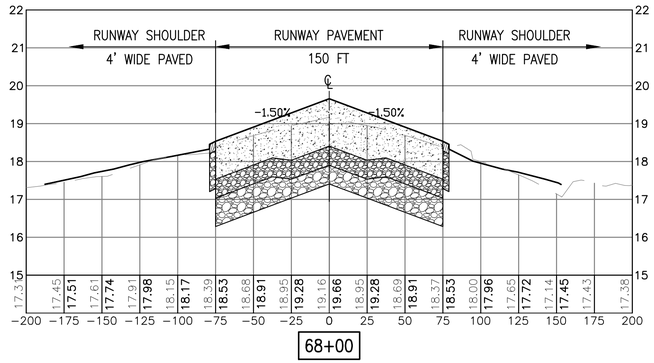
NAVFAC DRAWING NO. 12690132

SHEET 121 OF 315

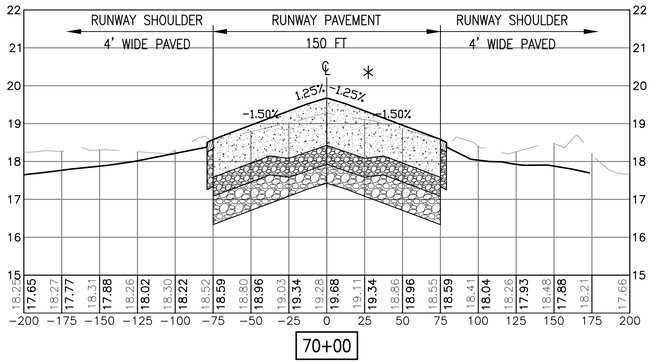
C-312

DRAWFORM REVISION: 10 MARCH 2009

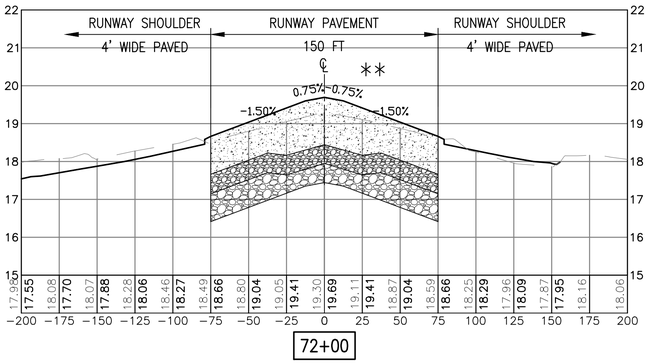
FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-312.dwg LAYOUT NAME: C-312 PLOTTED: Monday, March 23, 2015 - 3:20pm USER: jgeorge



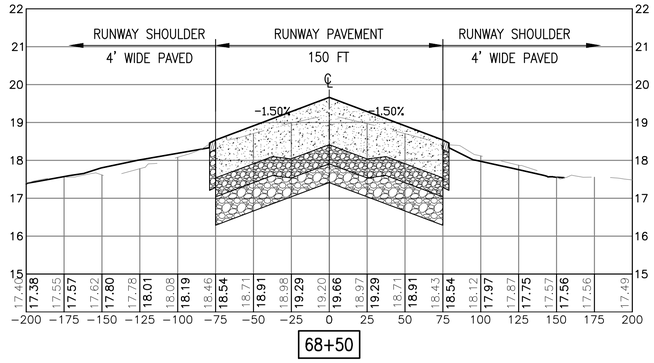
68+00



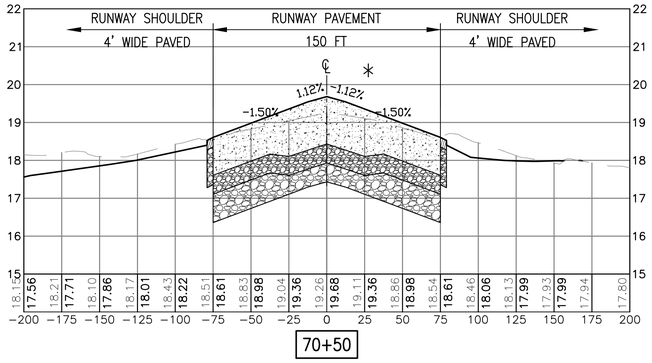
70+00



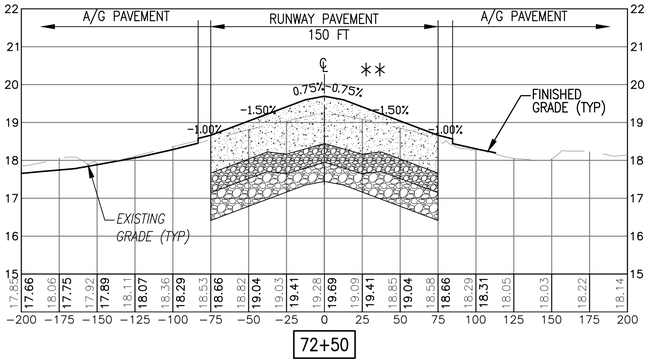
72+00



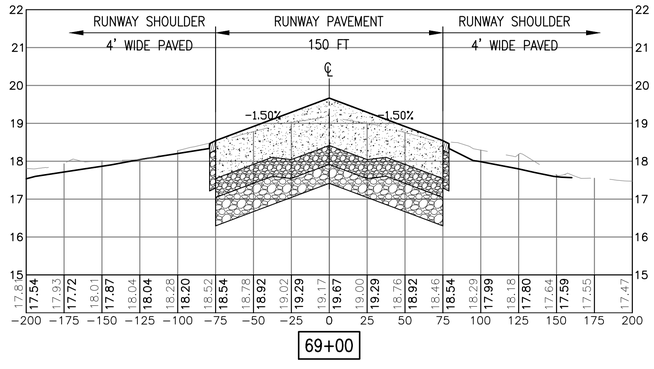
68+50



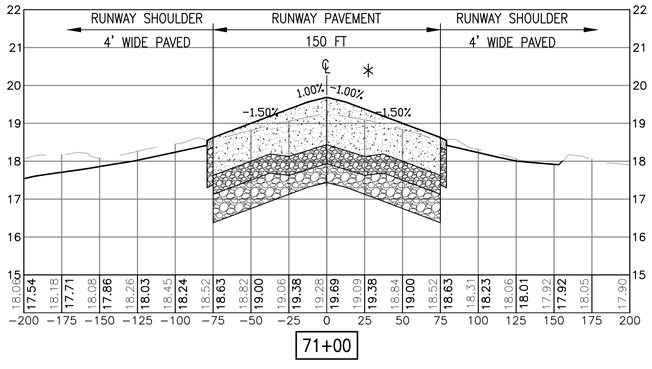
70+50



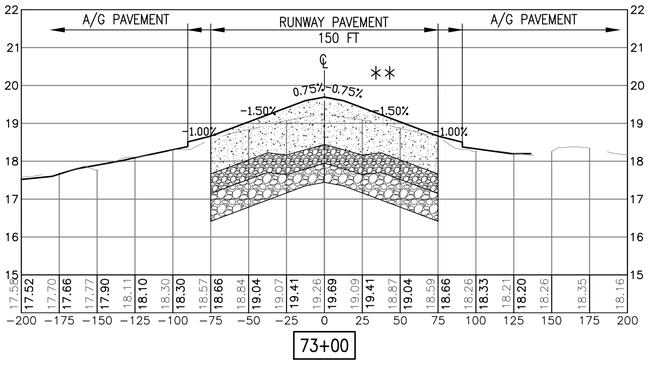
72+50



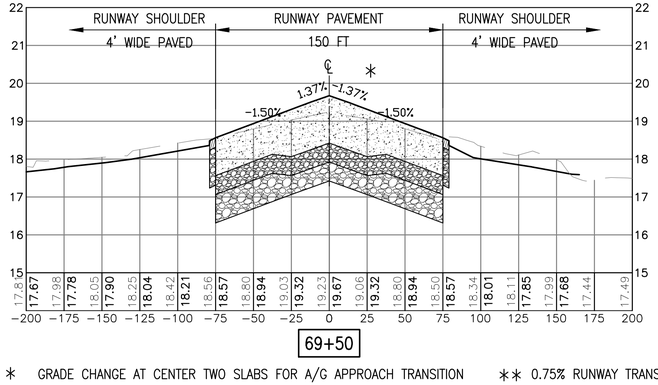
69+00



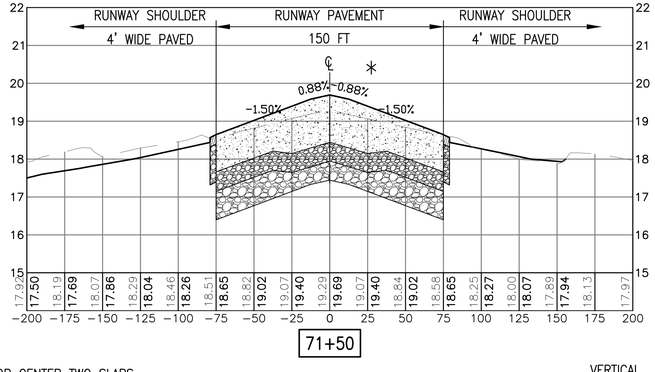
71+00



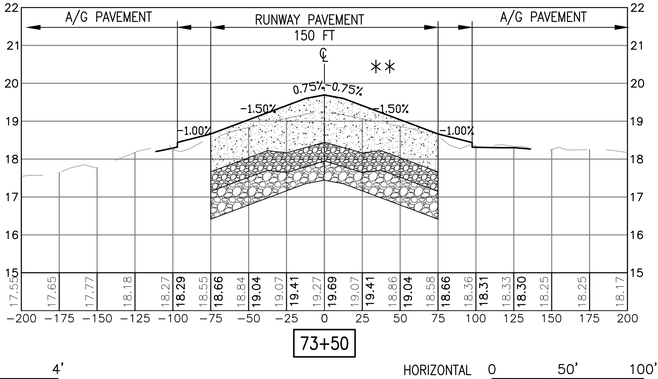
73+00



69+50



71+50



73+50

* GRADE CHANGE AT CENTER TWO SLABS FOR A/G APPROACH TRANSITION

** 0.75% RUNWAY TRANSVERSE SLOPE FOR CENTER TWO SLABS

VERTICAL 1"=2' (0, 2', 4')

HORIZONTAL 1"=50' (0, 50', 100')

	APPR	DATE	DESCRIPTION	SYM

NAVFAC

Mark J Tiger — Professional Engineer — 041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES	MJT	DRW	DFD	CHK	ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG./ARCH

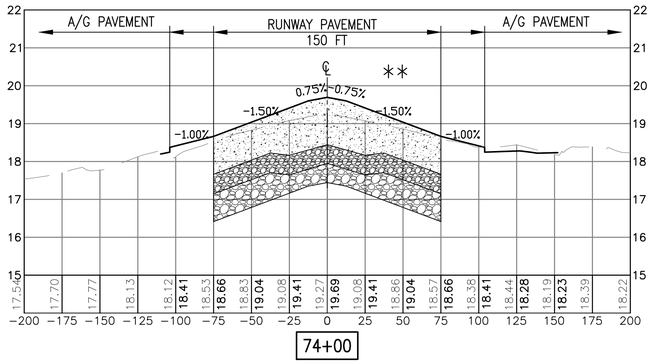
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NAVFAC MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING
RUNWAY 14L–32R CROSS SECTIONS STA: 68+00 – 73+50

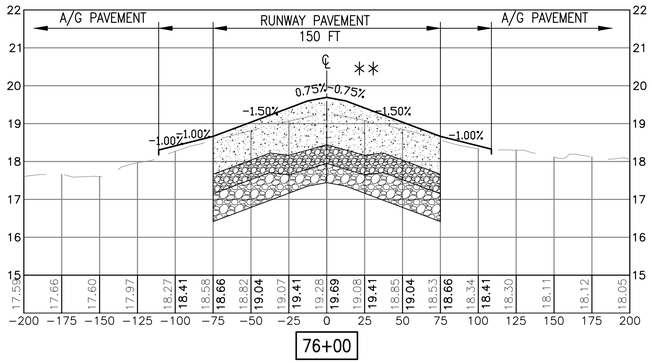
SCALE:	AS NOTED
EPROJECT NO.:	1312624
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12690133
SHEET	122 OF 315

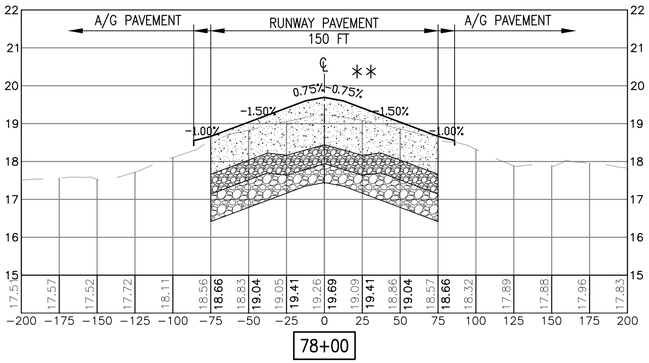
C-313

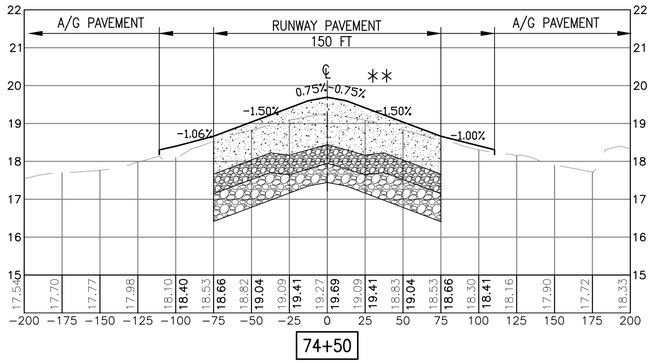
DRAWFORM REVISION: 10 MARCH 2009

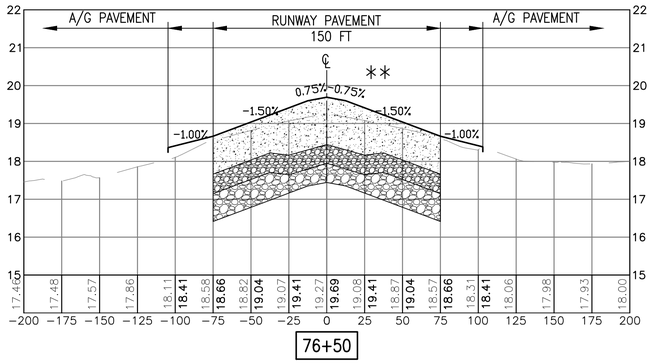
FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-313.dwg LAYOUT NAME: C-313 PLOTTED: Monday, March 23, 2015 - 3:21pm USER: jgeorge

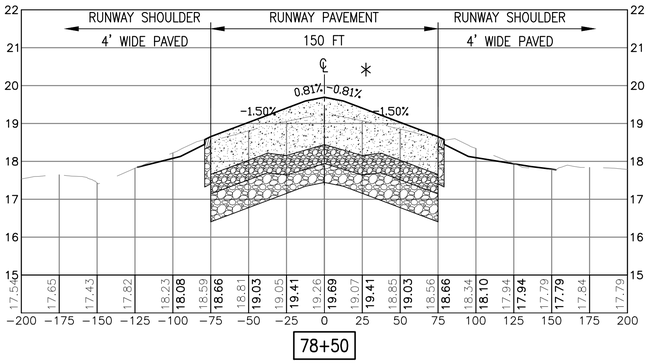


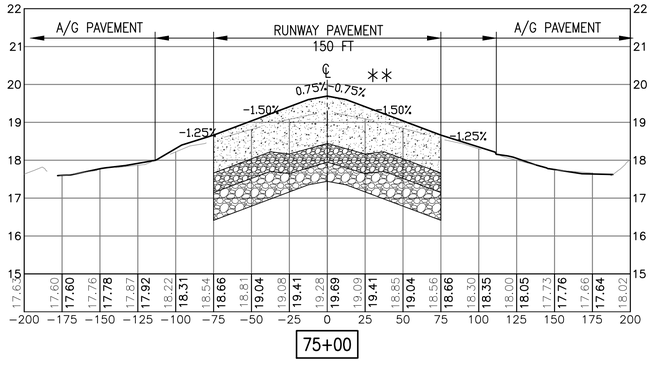


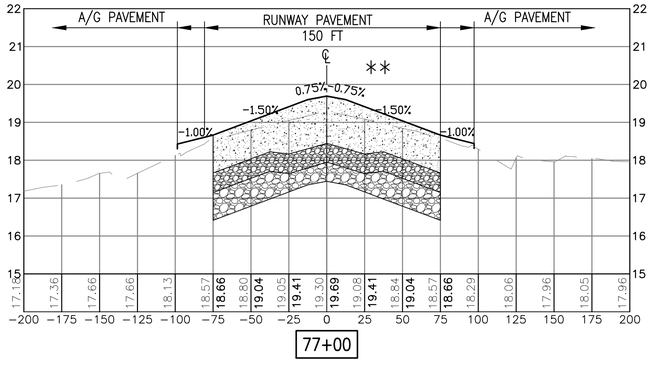


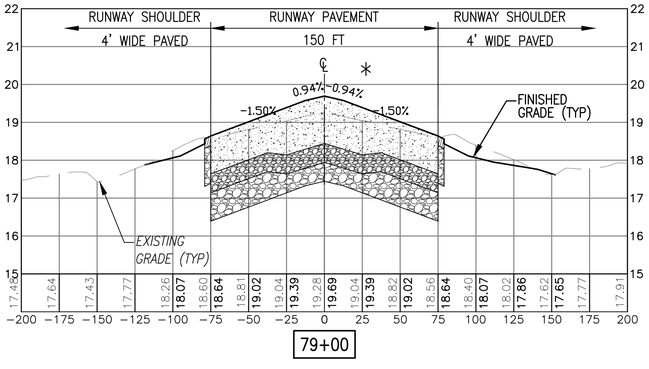


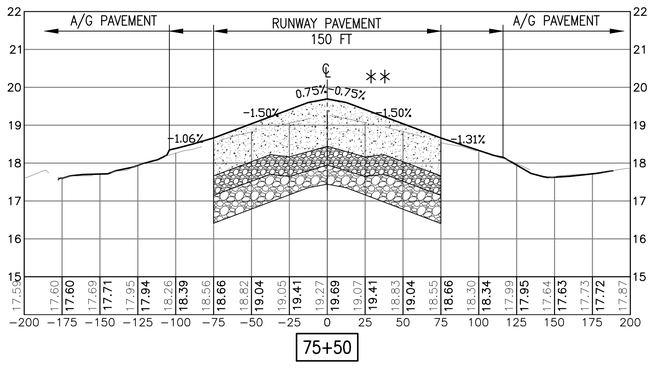


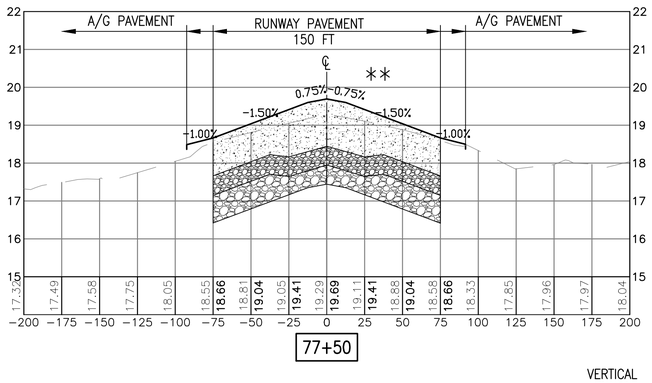


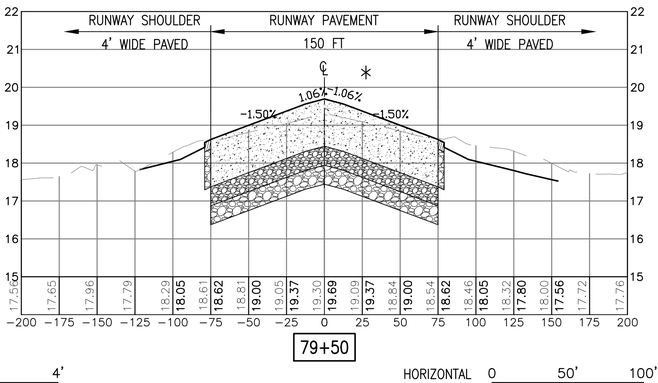












* GRADE CHANGE AT CENTER TWO SLABS FOR A/G APPROACH TRANSITION

** 0.75% RUNWAY TRANSVERSE SLOPE FOR CENTER TWO SLABS

VERTICAL 1"=2' (0, 2', 4')

HORIZONTAL 1"=50' (0, 50', 100')

APPR	DATE	DESCRIPTION	SYM

NAVFAC

Mark J Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

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Gannett Fleming
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Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES	MJT	DRW	DFD	CHK	ELO

PM/DM

BRANCH MANAGER *BJL*

CHIEF ENG./ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

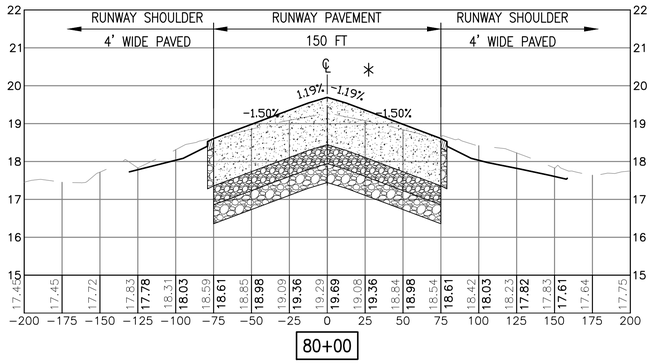
RUNWAY 14L–32R CROSS SECTIONS STA: 74+00 – 79+50

SCALE:	AS NOTED
EPROJECT NO.:	1312624
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12690134
SHEET	123 OF 315

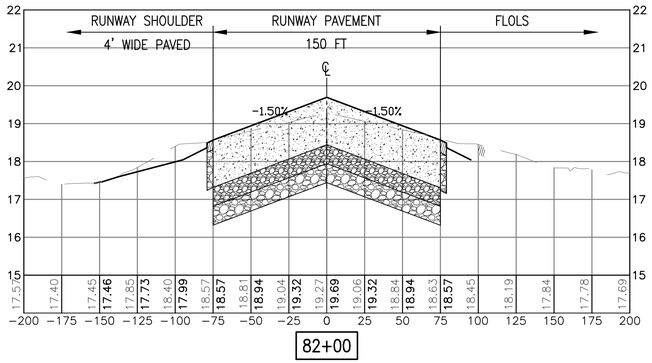
C-314

DRAWFORM REVISION: 10 MARCH 2009

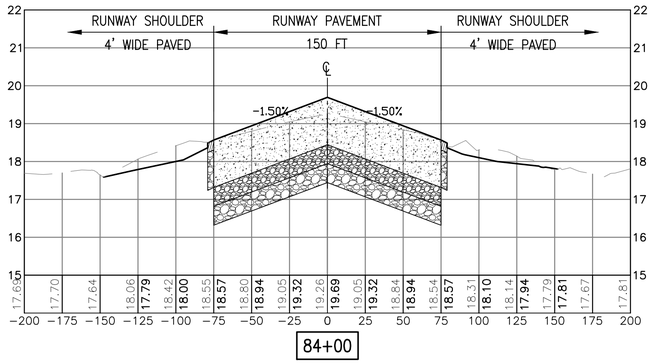
FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-314.dwg LAYOUT NAME: C-314 PLOTTED: Monday, March 23, 2015 - 3:23pm USER: jgeorge



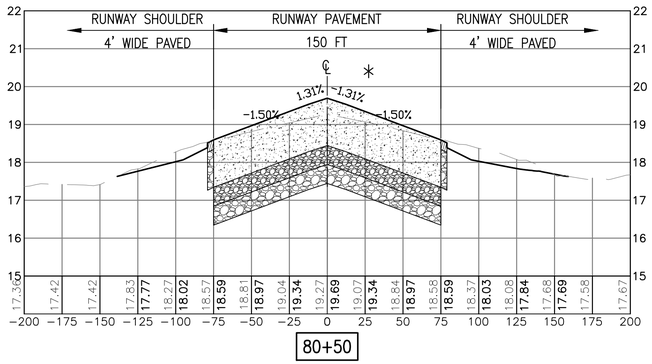
80+00



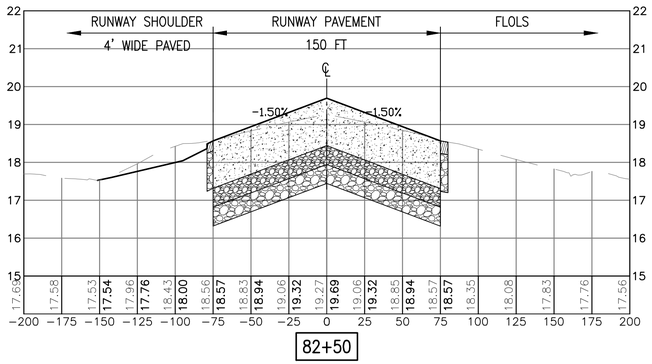
82+00



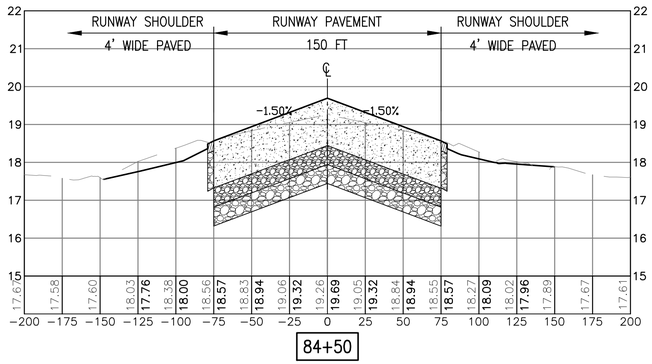
84+00



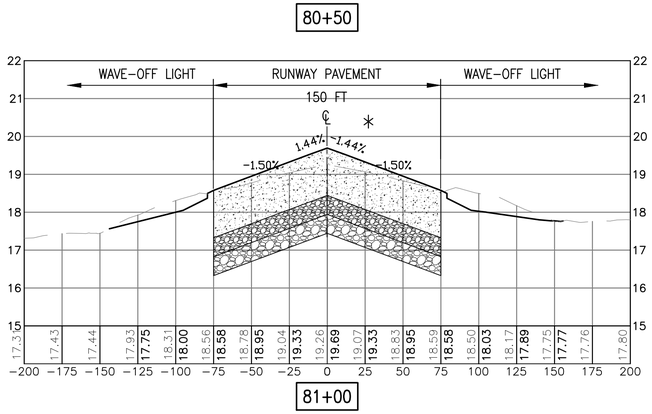
80+50



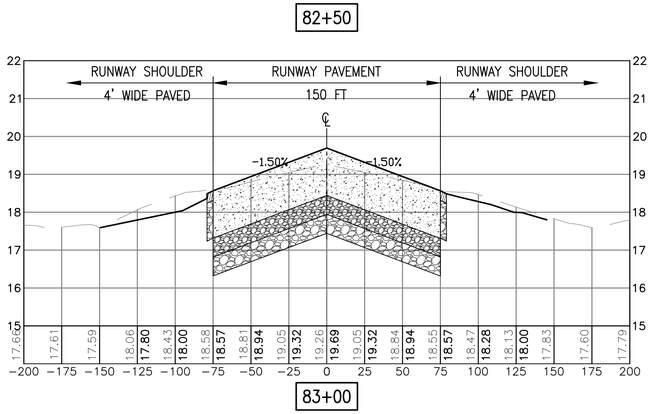
82+50



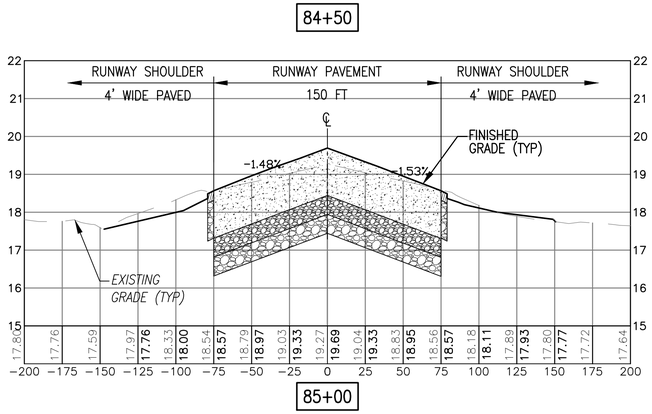
84+50



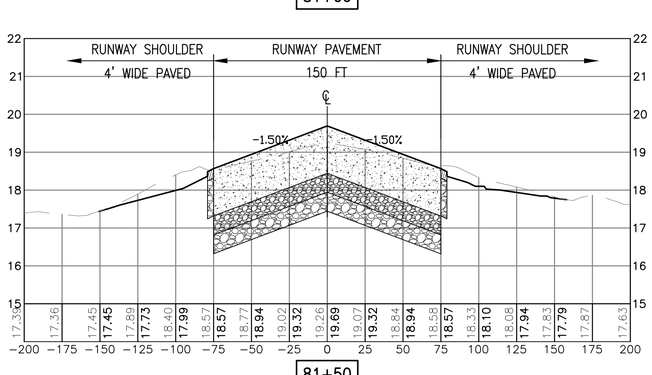
81+00



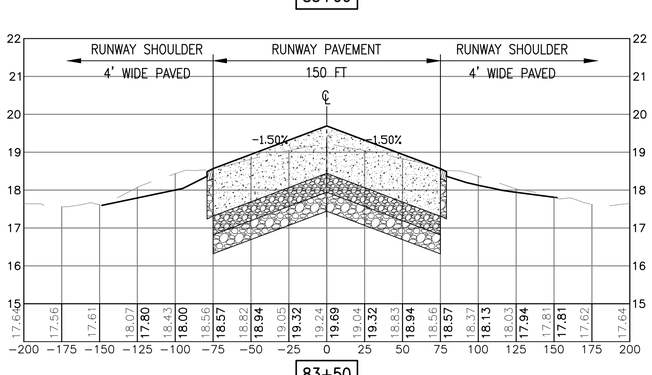
83+00



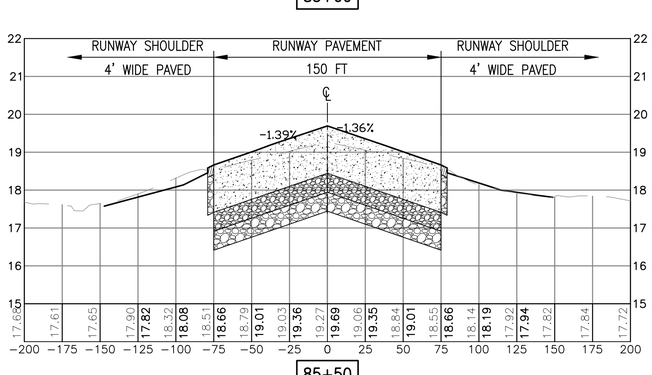
85+00



81+50



83+50



85+50

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

APPR	DATE	DESCRIPTION	SYM

NAVFAC

Mark J. Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
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Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES	MJT	DRW	DFD	CHK	ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

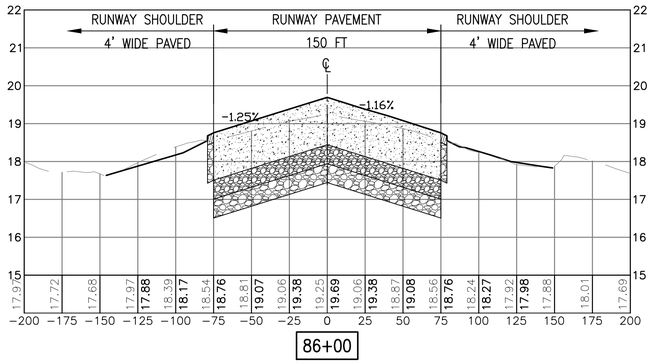
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
HR IPT
NAVFAC MID-ATLANTIC
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING
RUNWAY 14L–32R CROSS SECTIONS STA: 80+00 – 85+50

SCALE:	AS NOTED
EPROJECT NO.:	1312624
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12690135
SHEET	124 OF 315

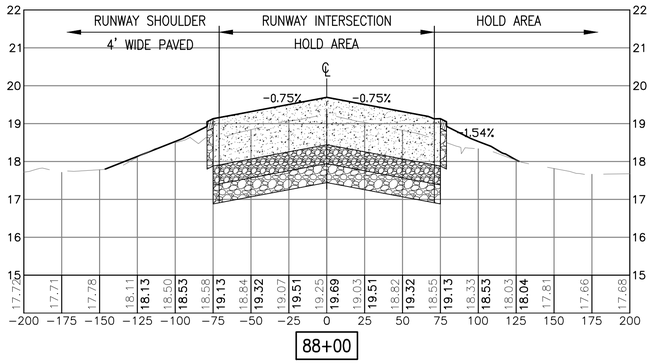
C-315

DRAWFORM REVISION: 10 MARCH 2009

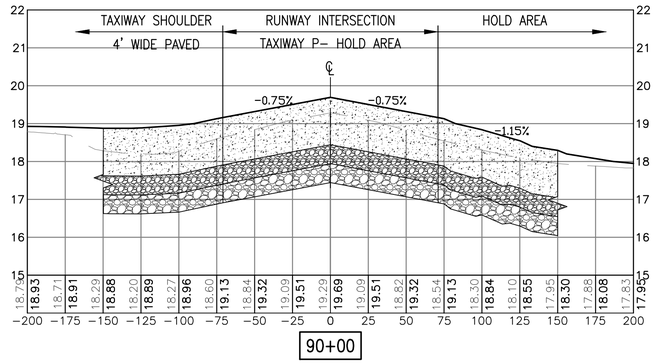
FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-315.dwg LAYOUT NAME: C-315 PLOTTED: Monday, March 23, 2015 - 3:24pm USER: jgeorge



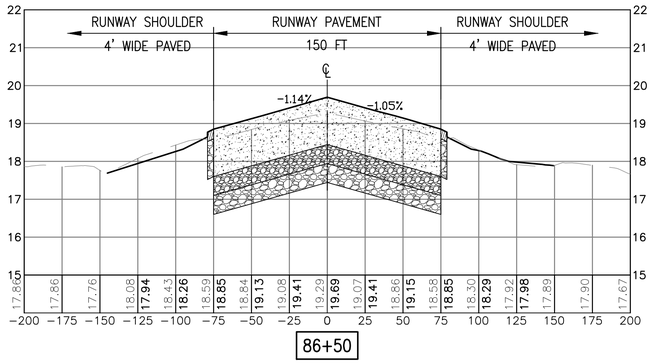
86+00



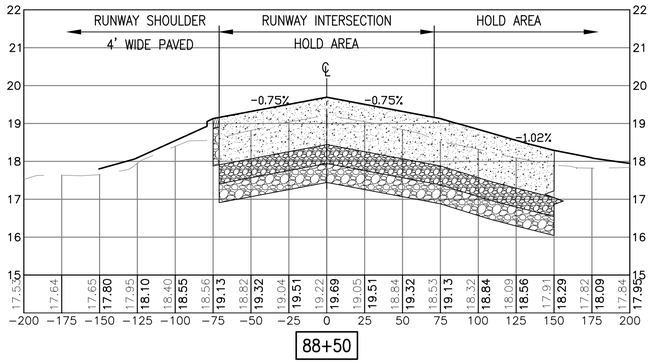
88+00



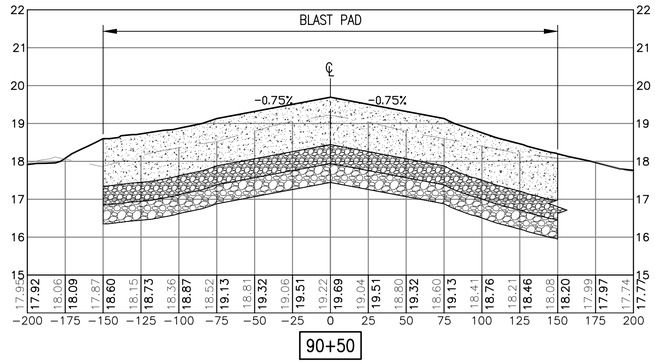
90+00



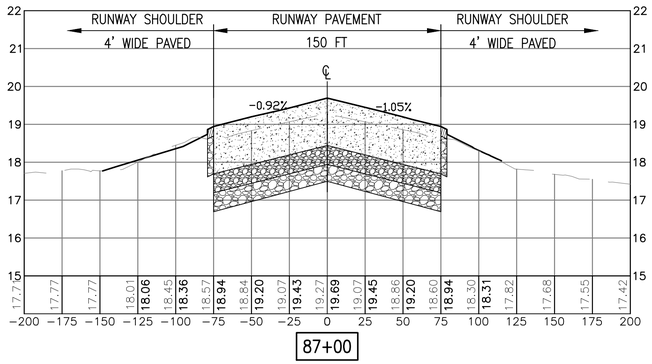
86+50



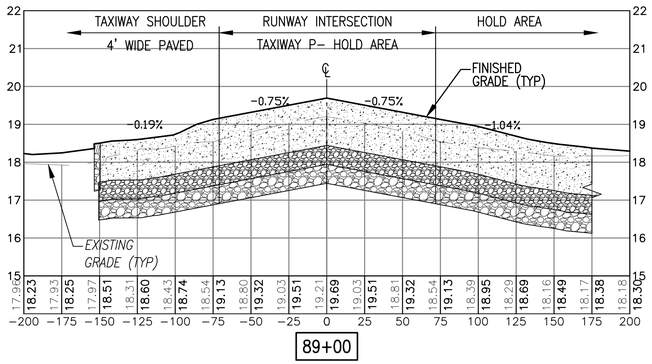
88+50



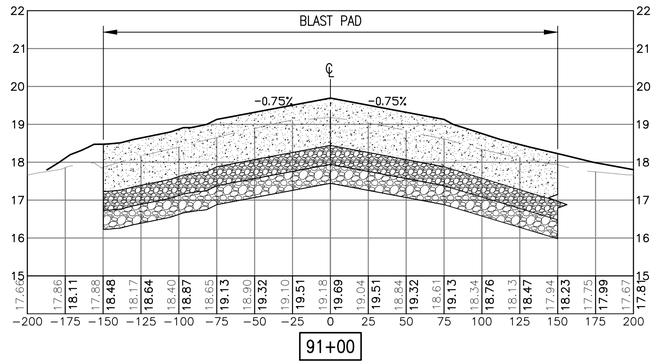
90+50



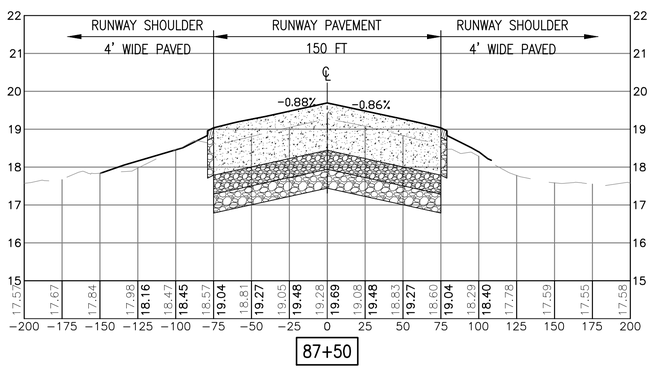
87+00



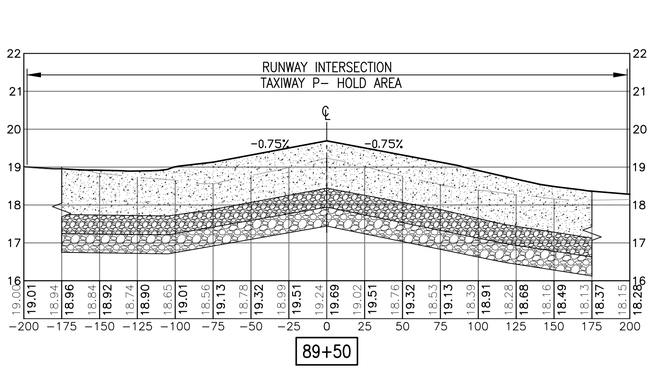
89+00



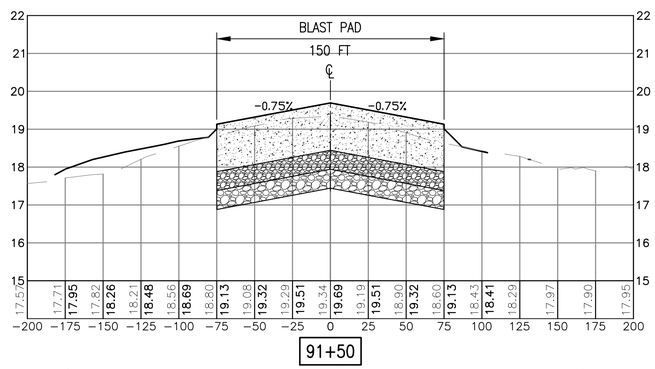
91+00



87+50



89+50



91+50

VERTICAL 1"=2' (0, 2', 4')

HORIZONTAL 1"=50' (0, 50', 100')

APPR | DATE | DESCRIPTION | SYM

NAVFAC

Mark J Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
Virginia Beach, Virginia, 23452
Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES MJT | DRW DFD | CHK ELO
PM/DM
BRANCH MANAGER BJL
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVFAC MID-ATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

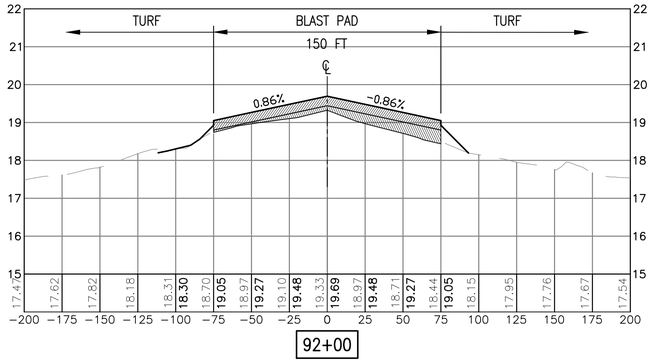
RUNWAY 14L–32R CROSS SECTIONS STA: 86+00 – 91+50

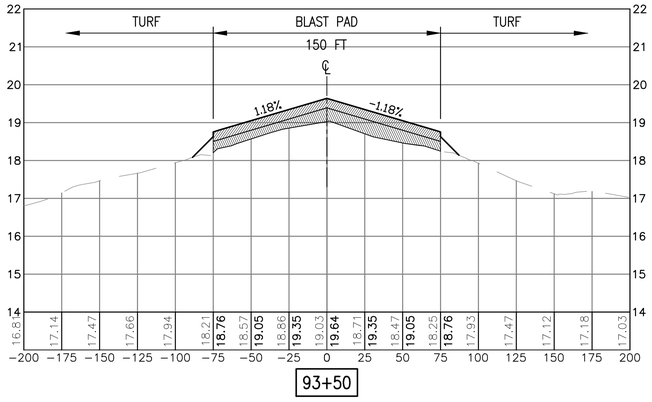
SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690136
SHEET 125 OF 315

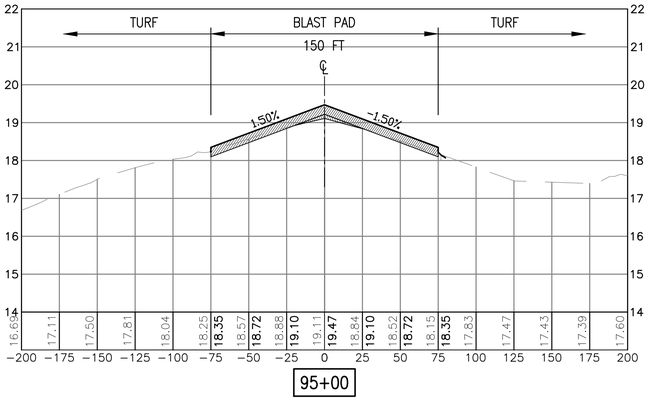
C-316

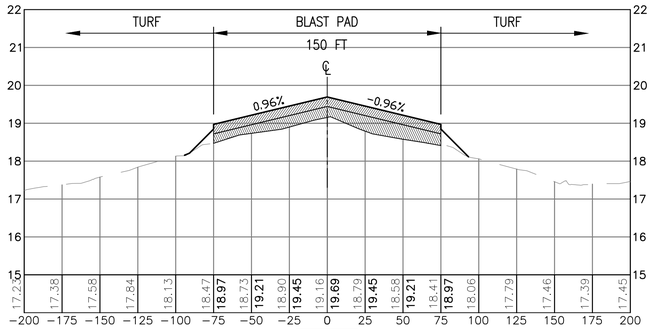
DRAWFORM REVISION: 10 MARCH 2009

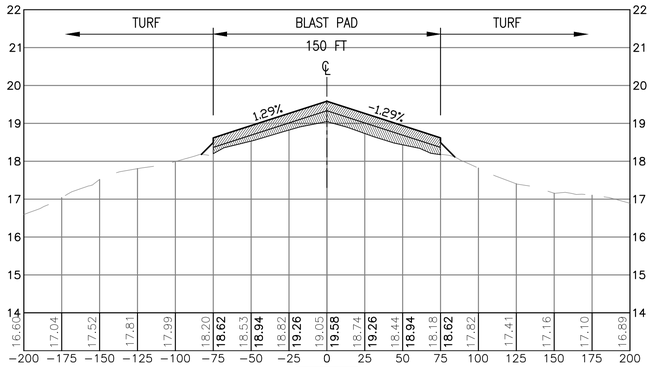
FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL–CIVIL\10–0863–007–C–316.dwg LAYOUT NAME: C–316 PLOTTED: Monday, March 23, 2015 – 3:25pm USER: jgeorge

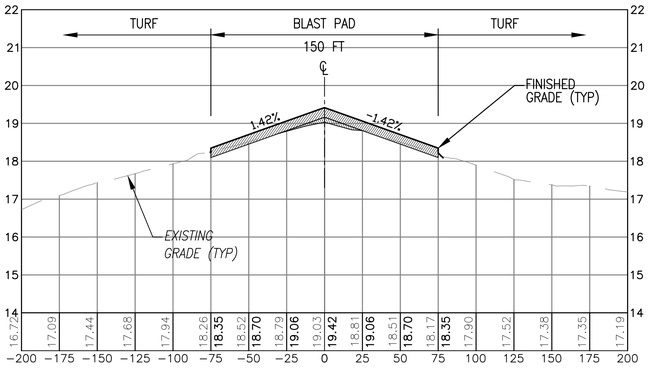


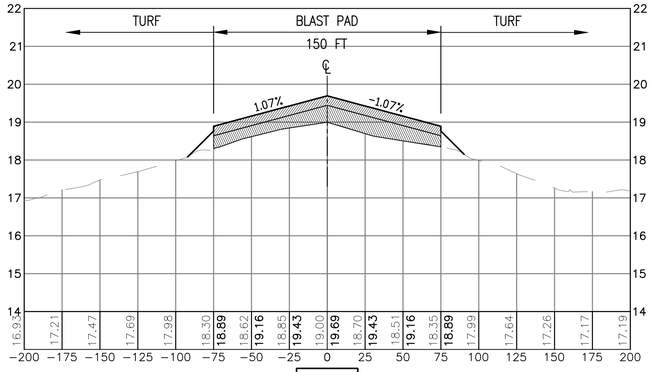


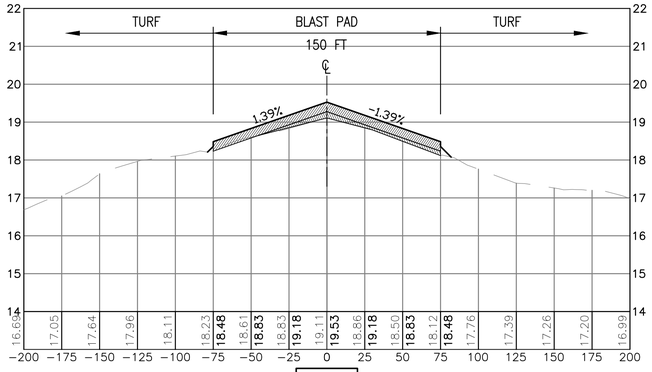


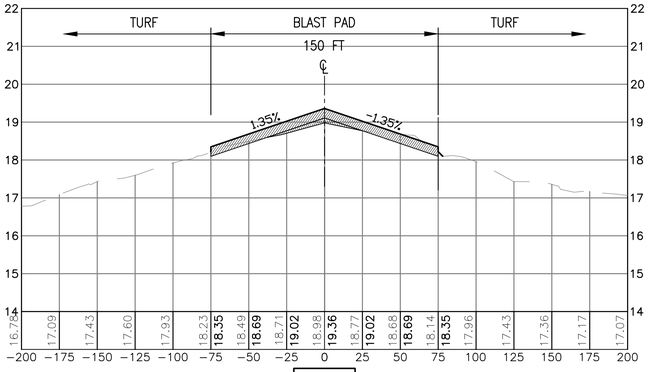












VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

APPR	DATE	DESCRIPTION	SYM

NAVFAC

Mark J Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

JOHNSON, MIRMIRAN THOMPSON
Gannett Fleming
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Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT | DRW DFD | CHK ELO

PM/DM

BRANCH MANAGER BJC

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NAVFAC MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

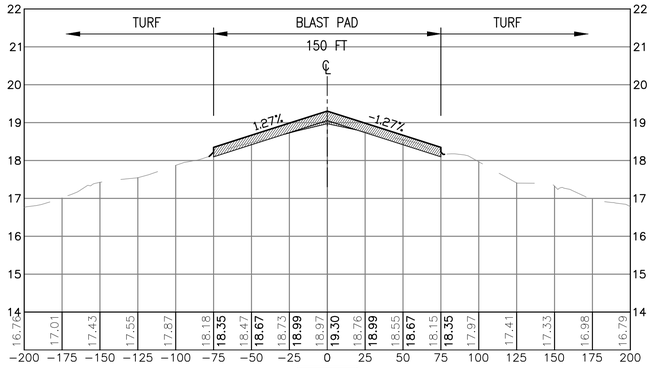
RUNWAY 14L–32R CROSS SECTIONS STA: 92+00 – 96+00

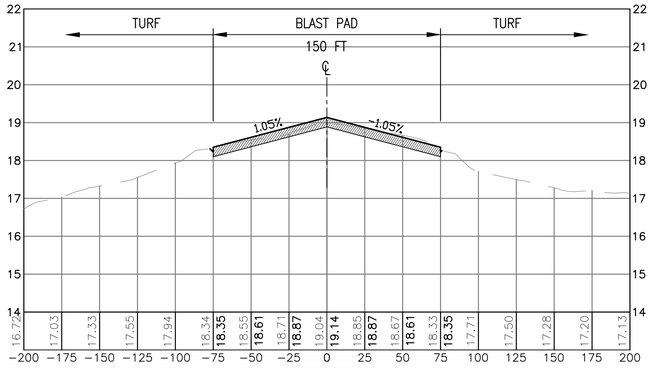
SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690137
SHEET 126 OF 315

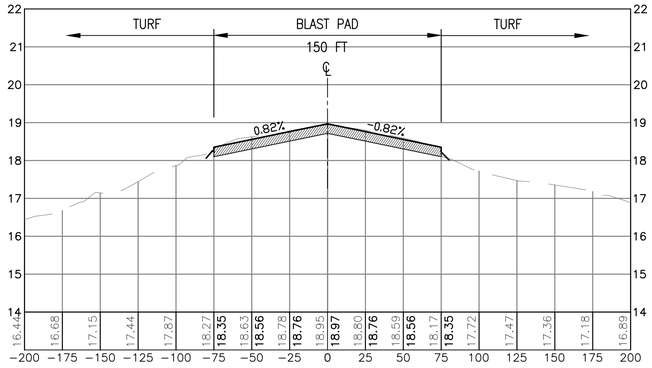
C-317

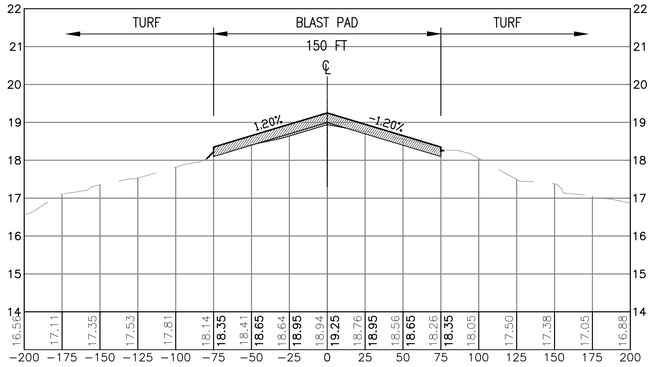
DRAWFORM REVISION: 10 MARCH 2009

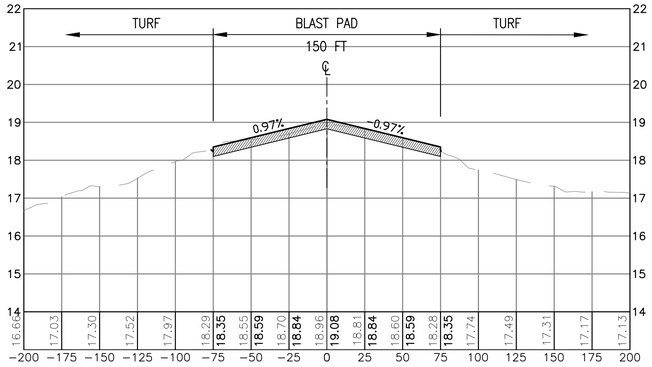
FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-317.dwg LAYOUT NAME: C-317 PLOTTED: Monday, March 23, 2015 - 3:26pm USER: jgeorge

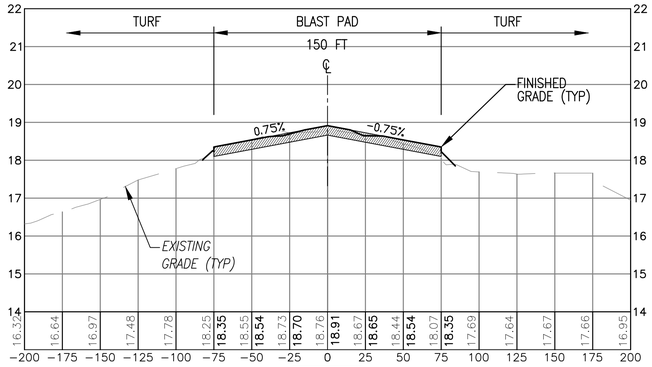


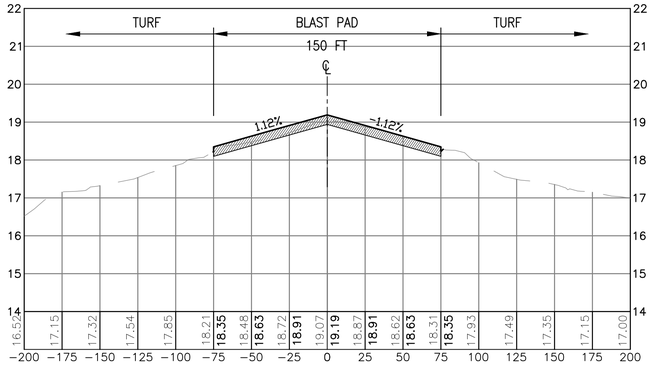


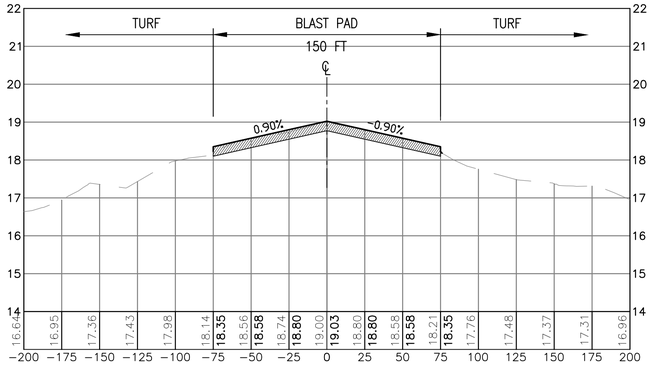


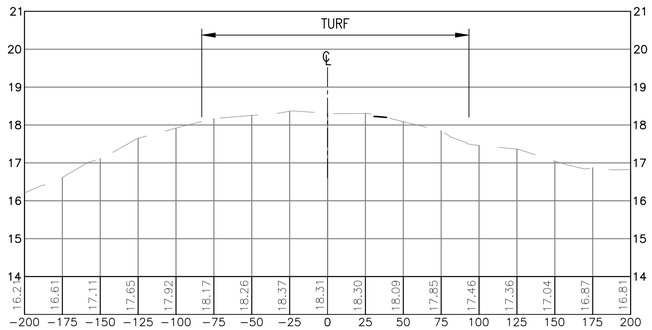












VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

APPR	DATE	DESCRIPTION	SYM

NAVFAC

Mark J Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E
Mark J Tiger

JOHNSON, MIRMIRAN THOMPSON
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Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT | DRW DFD | CHK ELO

PM/DM

BRANCH MANAGER BJC

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NAVFAC MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

RUNWAY 14L–32R CROSS SECTIONS STA: 96+50 – 100+50

SCALE: AS NOTED

EPROJECT NO.: 1312624

CONSTR. CONTR. NO.

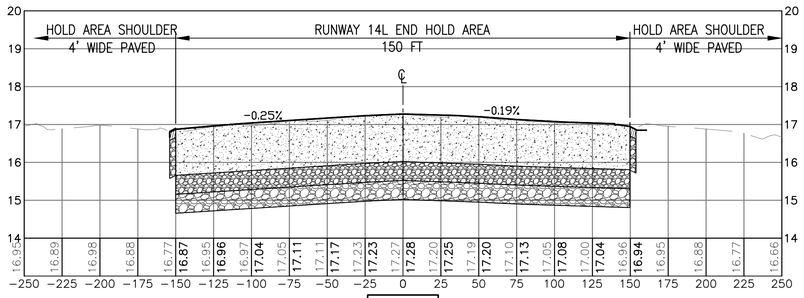
NAVFAC DRAWING NO.
12690138

SHEET 127 OF 315

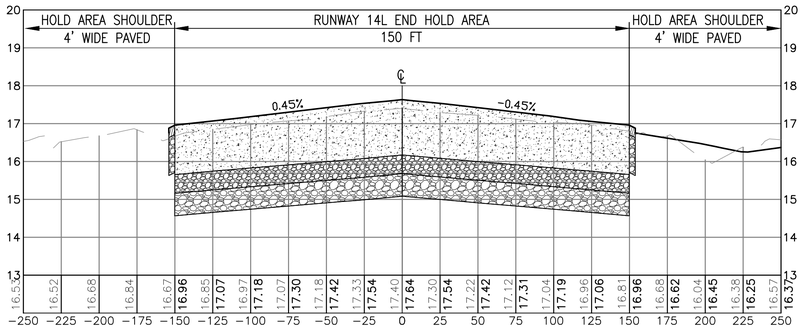
C-318

DRAWFORM REVISION: 10 MARCH 2009

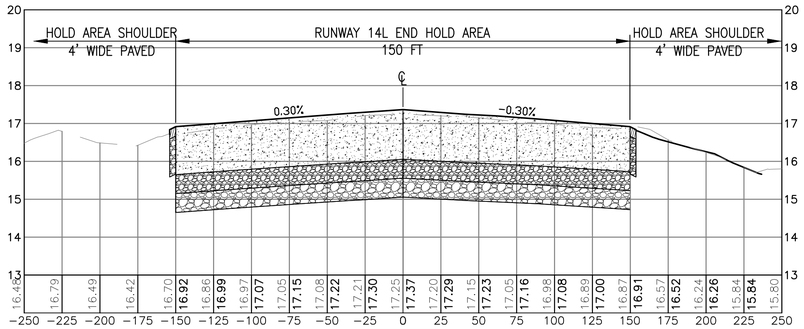
FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-318.dwg LAYOUT NAME: C-318 PLOTTED: Monday, March 23, 2015 - 3:28pm USER: jgeorge



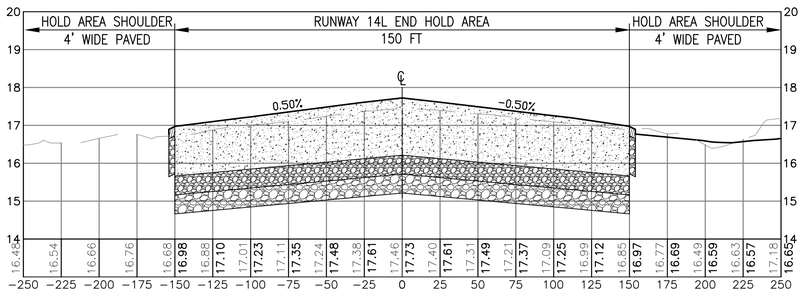
201+00



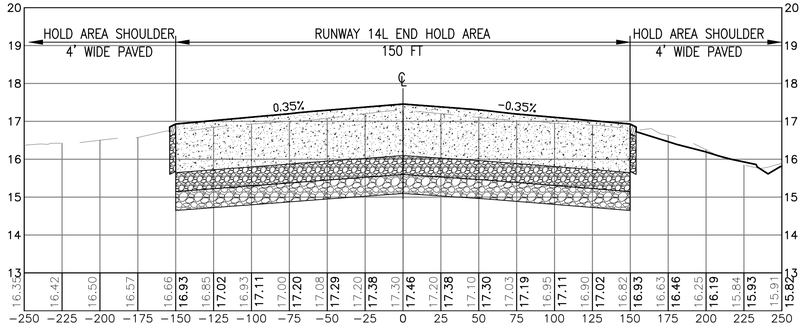
203+00



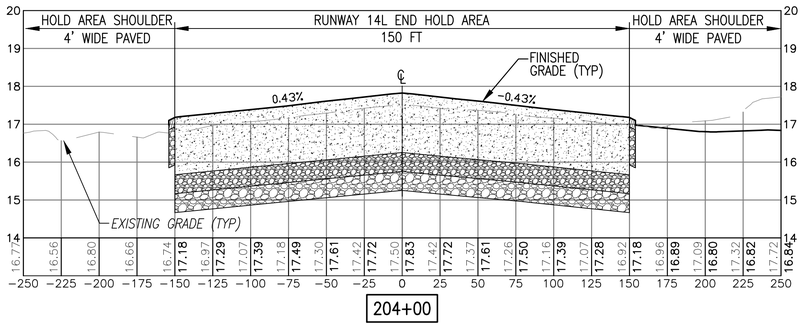
201+50



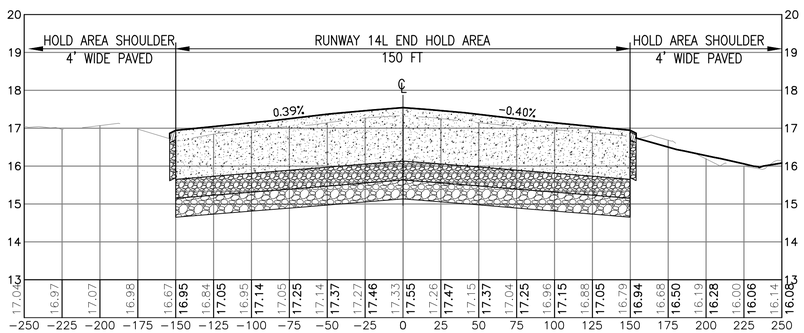
203+50



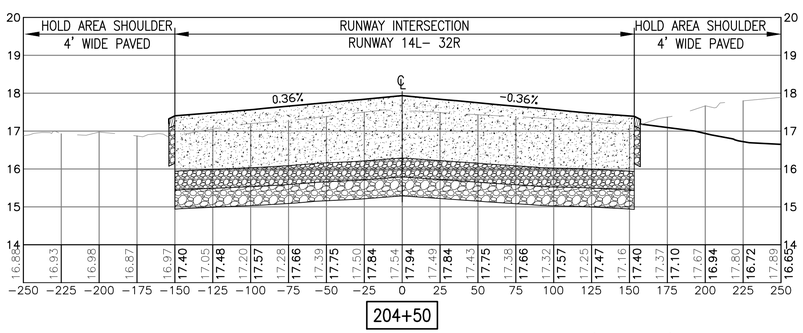
202+00



204+00



202+50



204+50

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-319.dwg LAYOUT NAME: C-319 PLOTTED: Monday, March 23, 2015 - 3:29pm USER: jgeorge

APPR	DATE	DESCRIPTION	SYM

NAVFAC

Mark J Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
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A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES	MJT	DRW	DFD	CHK	ELO

PM/DM

BRANCH MANAGER BJL

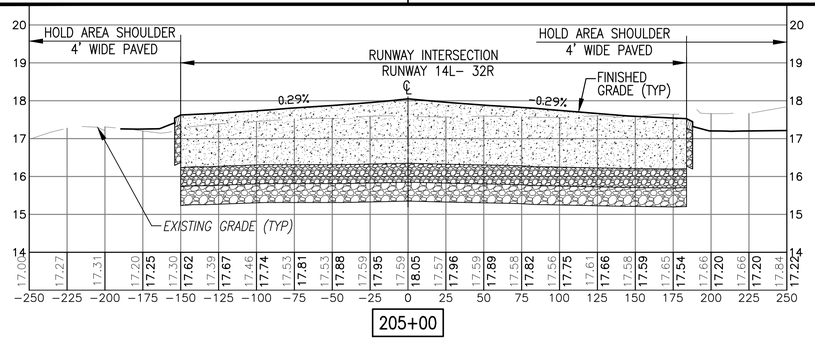
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NAVFAC MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING
RW 14L HOLD AREA CROSS SECTIONS STA: 201+00 - 204+50

SCALE:	AS NOTED
EPROJECT NO.:	1312624
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12690139
SHEET	128 OF 315

C-319

DRAWFORM REVISION: 10 MARCH 2009



205+00

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

APPR		
DATE		
DESCRIPTION		
SYM		

NAVFAC

Mark J Tiger

REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
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A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT | DRW DFD | CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
HR IPT

NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

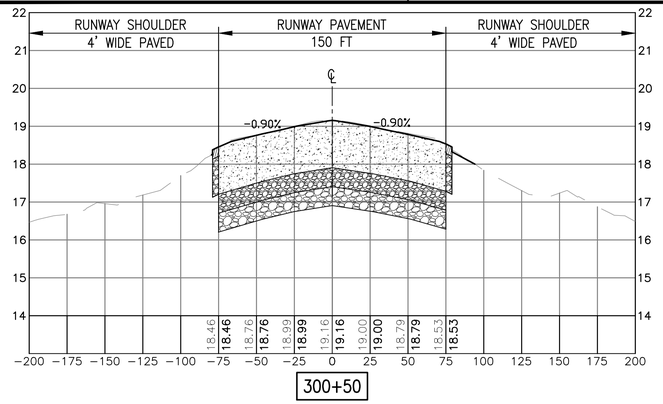
RW 14L HOLD AREA CROSS SECTION STA: 205+00

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12690140
SHEET 129 OF 315

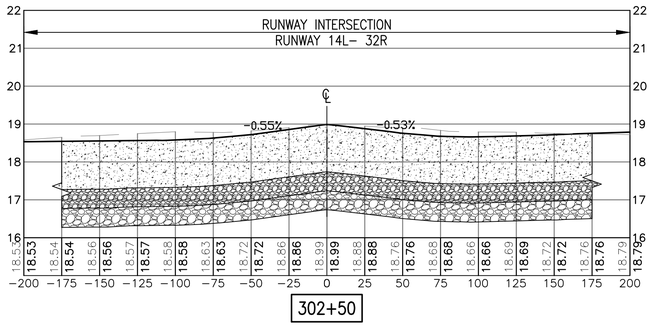
C-320

DRAWFORM REVISION: 10 MARCH 2009

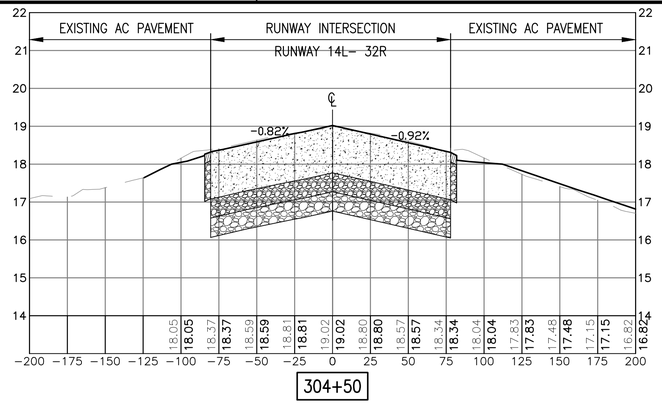
FILE NAME: G:\PHPA\99... Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-320.dwg LAYOUT NAME: C-320 PLOTTED: Monday, March 23, 2015 - 3:30pm USER: jgeorge



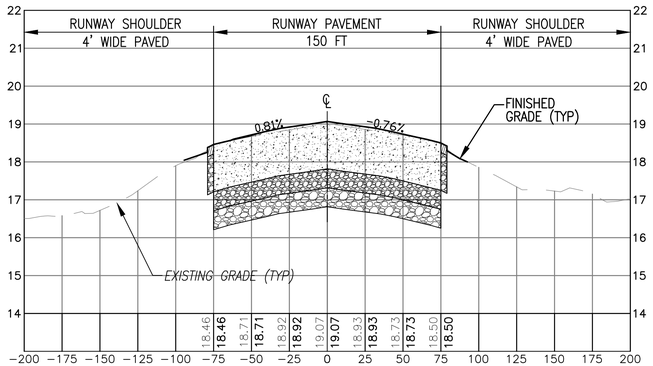
300+50



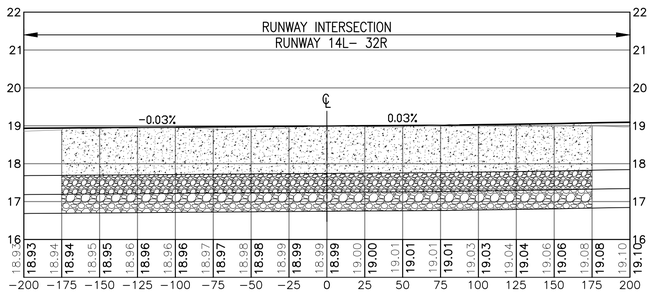
302+50



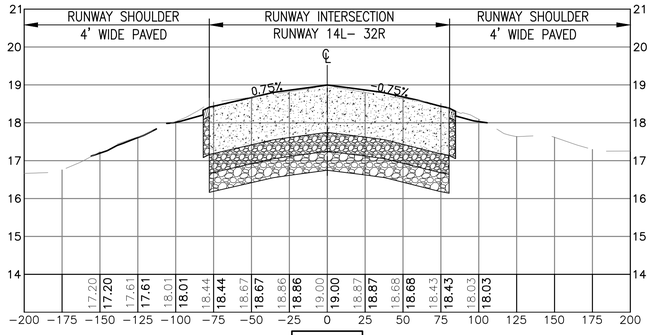
304+50



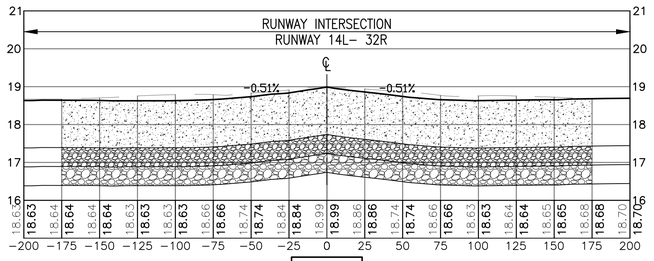
301+00



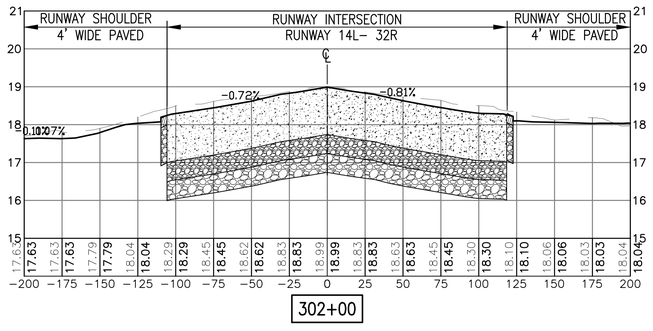
303+00



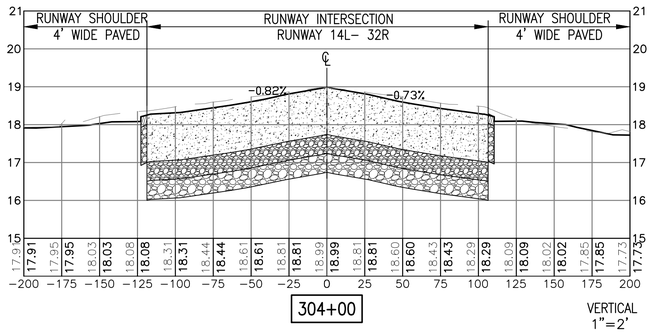
301+50



303+50



302+00



304+00

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

				APPR
				DATE
				DESCRIPTION
				SYM

NAVFAC

Mark J Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

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Telephone: (757)499-1895
WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT | DRW DFD | CHK ELO

PM/DM

BRANCH MANAGER BJC

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NAVFAC MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

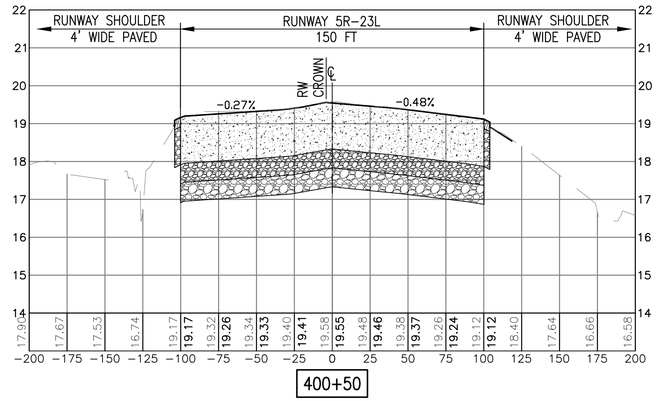
RUNWAY 5L-23R CROSS SECTIONS STA: 300+50 – 304+50

SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690141
SHEET 130 OF 315

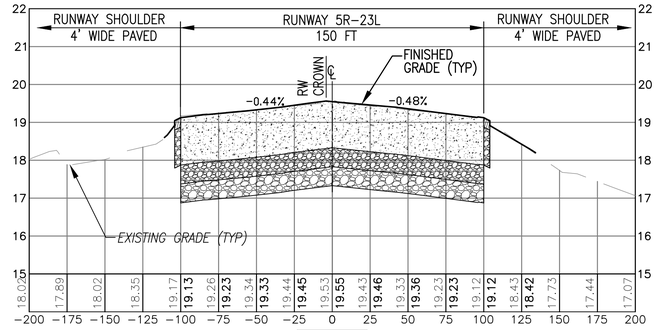
C-321

DRAWFORM REVISION: 10 MARCH 2009

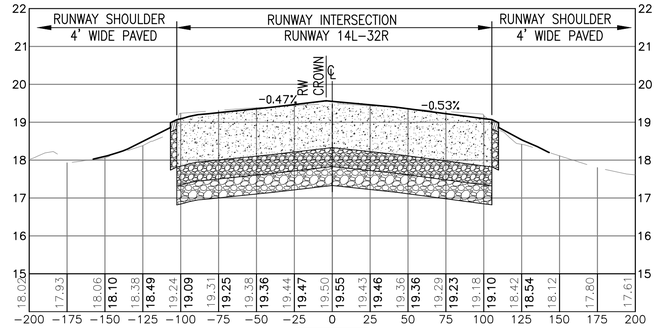
FILE NAME: G:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-321.dwg LAYOUT NAME: C-321 PLOTTED: Monday, March 23, 2015 - 3:31pm USER: jgeorge



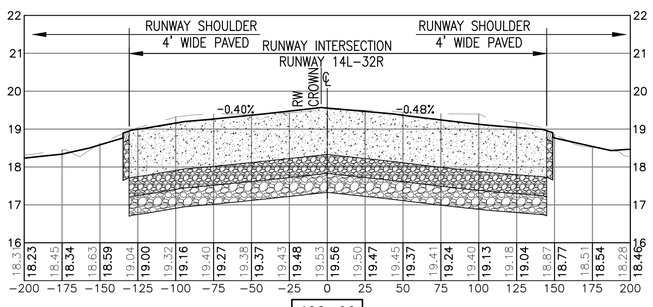
400+50



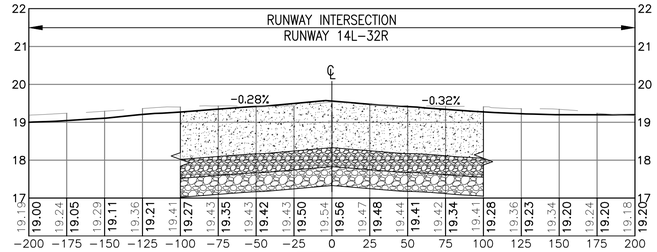
401+00



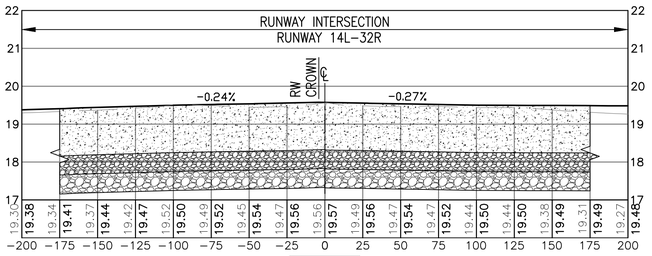
401+50



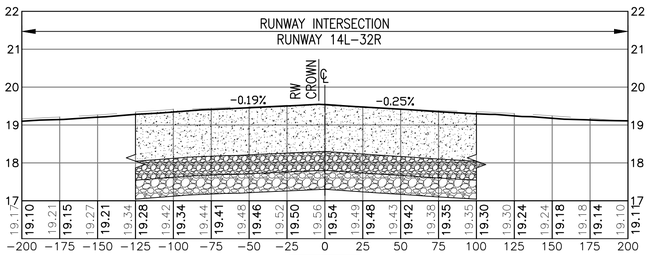
402+00



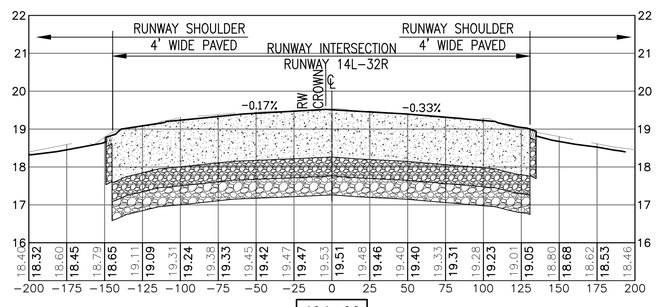
402+50



403+00



403+50



404+00

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

Mark Tiger

REGISTERED PROFESSIONAL ENGINEER MARK J TIGER 041439-E

JOHNSON, MIRMIRAN THOMPSON
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WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

HR IPT

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

RUNWAY 5R-23L CROSS SECTIONS STA: 400+50 – 404+00

SCALE: AS NOTED

EPROJECT NO.: 1312624

CONSTR. CONTR. NO.

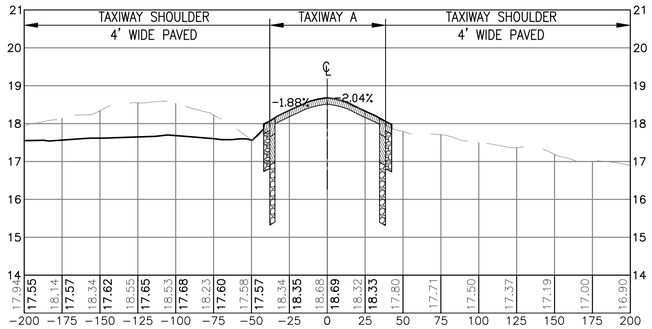
NAVFAC DRAWING NO. 12690142

SHEET 131 OF 315

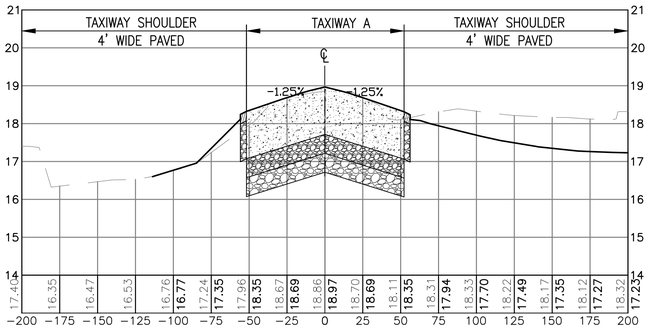
C-322

DRAWFORM REVISION: 10 MARCH 2009

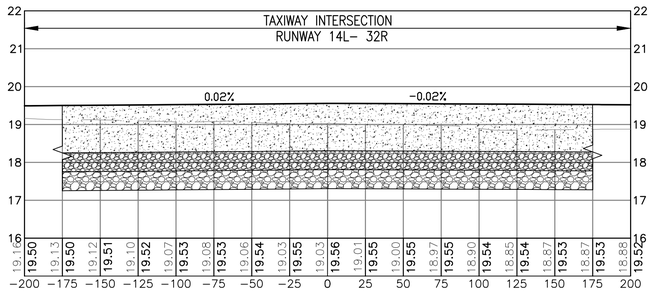
FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-322.dwg LAYOUT NAME: C-322 PLOTTED: Monday, March 23, 2015 - 3:33pm USER: jgeorge



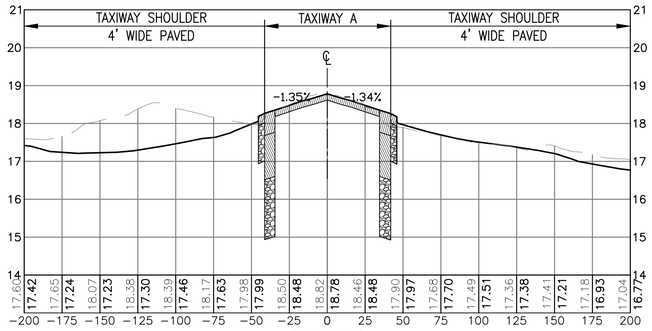
501+00



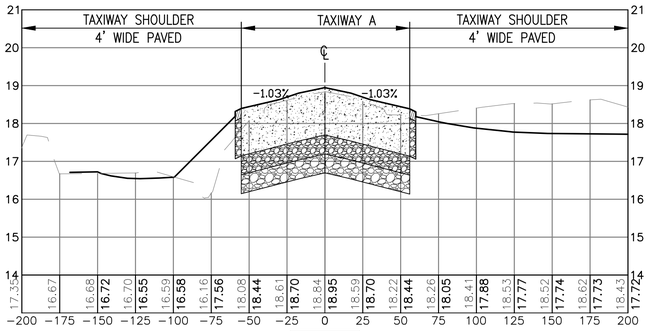
503+00



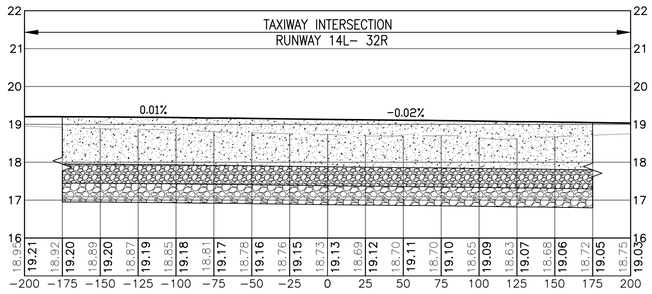
505+00



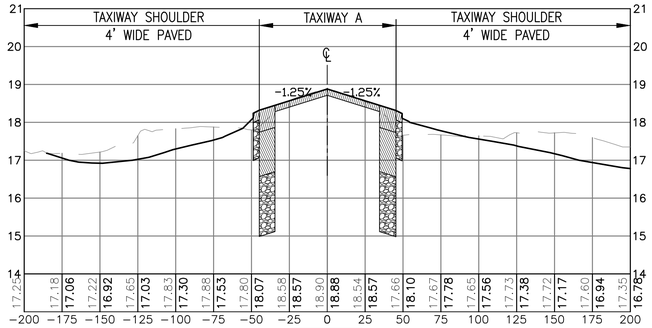
501+50



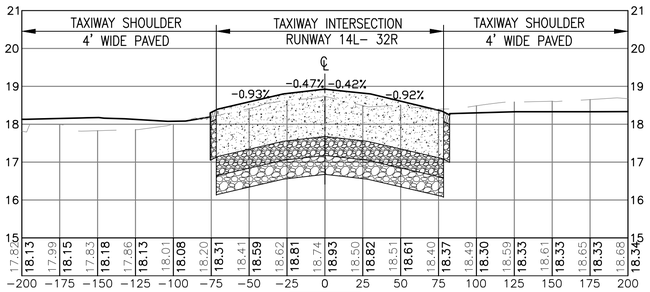
503+50



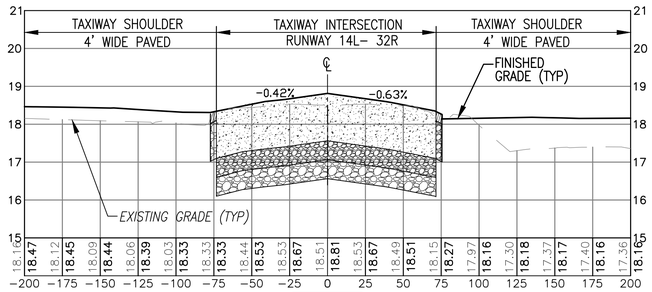
505+50



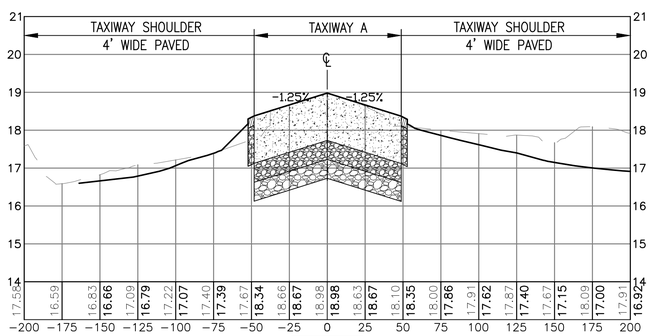
502+00



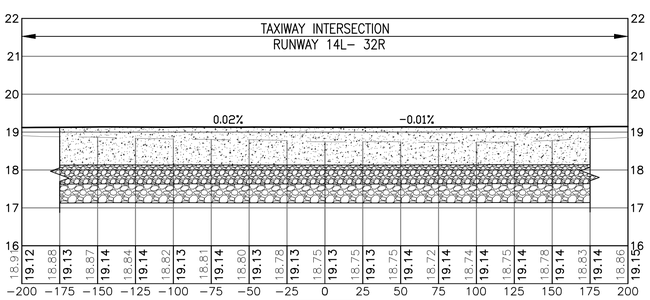
504+00



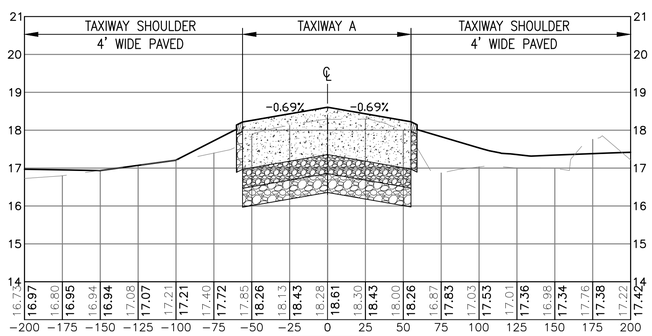
506+00



502+50



504+50



506+50

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-323.dwg LAYOUT NAME: C-323 PLOTTED: Monday, March 23, 2015 - 3:34pm USER: jgeorge

APPR	DATE	DESCRIPTION	SYM

NAVFAC

Mark J Tiger
REGISTERED PROFESSIONAL ENGINEER
MARK J TIGER
041439-E

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Gannett Fleming
A Joint Venture
272 Bendix Road, Suite 260
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A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES	MJT	DRW	DFD	CHK	ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVFAC MID-ATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

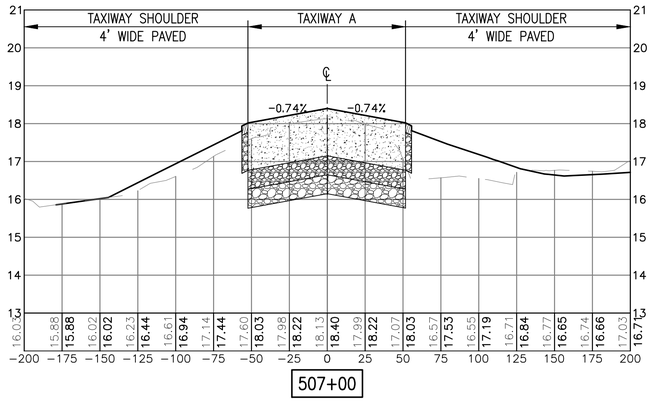
SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

TAXIWAY A CROSS SECTIONS STA: 501+00 – 506+50

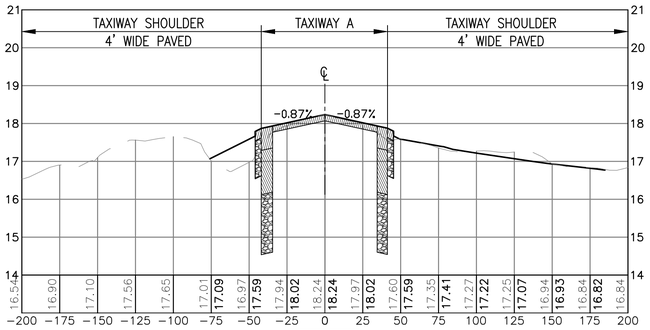
SCALE:	AS NOTED
EPROJECT NO.:	1312624
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12690143
SHEET	132 OF 315

C-323

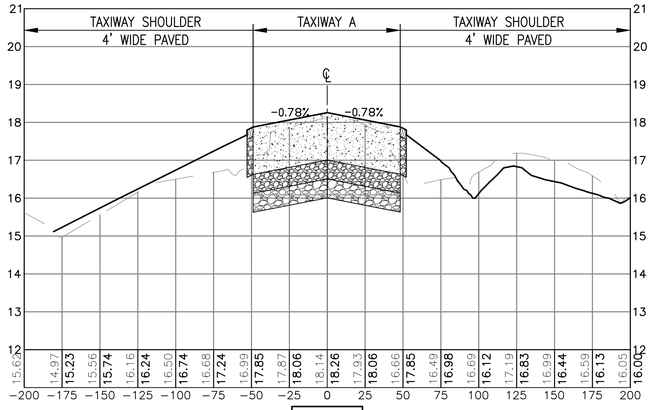
DRAWFORM REVISION: 10 MARCH 2009



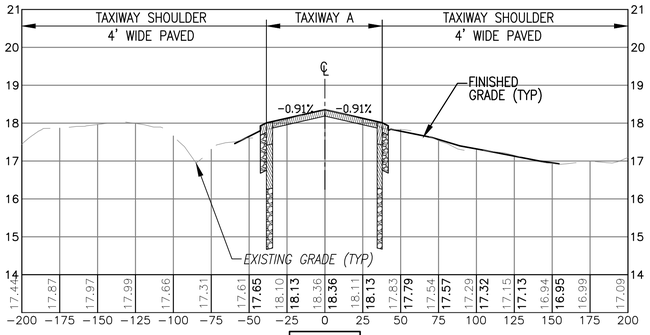
507+00



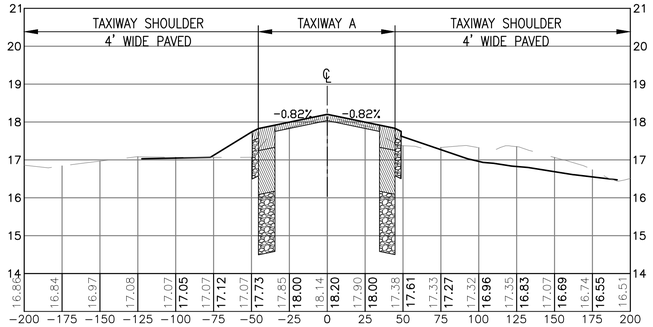
508+50



507+50



509+00



508+00

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

			APPR
			DATE
			DESCRIPTION
			SYM

NAVFAC

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A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT | DRW DFD | CHK ELO

PM/DM

BRANCH MANAGER BJC

CHIEF ENG/ARCH

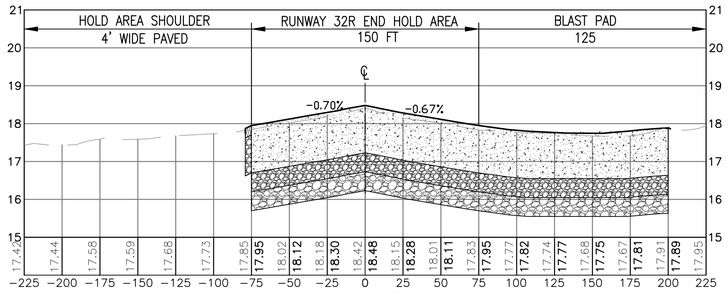
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING
TAXIWAY A CROSS SECTIONS STA: 507+00 – 509+00

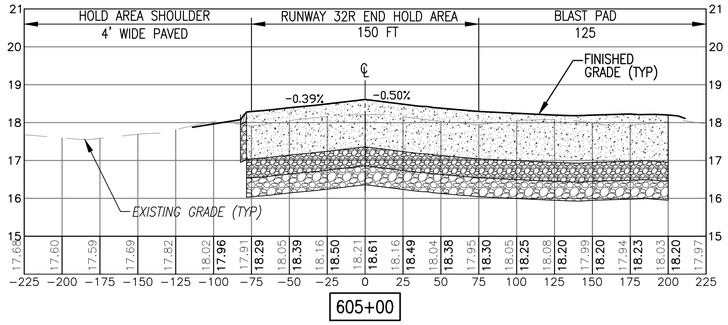
SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12690144
SHEET 133 OF 315

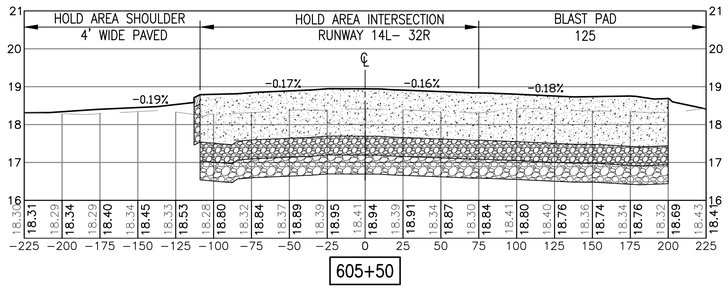
C-324

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\PHPA\99... Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-324.dwg LAYOUT NAME: C-324 PLOTTED: Monday, March 23, 2015 - 3:35pm USER: jgeorge







VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

APPR			
DATE			
DESCRIPTION			
SYM			

NAVFAC

Mark J Tiger
COMMONWEALTH OF VIRGINIA
REGISTERED
PROFESSIONAL
MARK J TIGER
ENGINEER
041439-E

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A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT | DRW DFD | CHK ELO

PM/DM

BRANCH MANAGER BJC

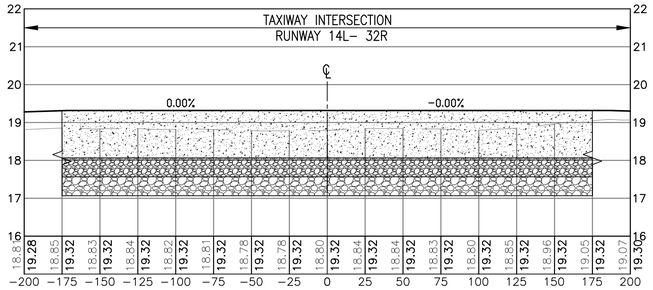
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING
RW 32R HOLD AREA CROSS SECTIONS STA: 604+50 – 605+50

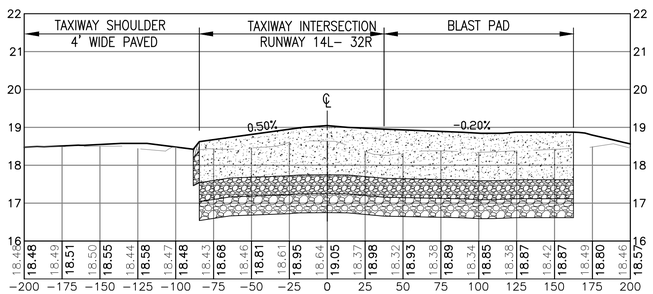
SCALE: AS NOTED
EPROJECT NO.: 1312624
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12690145
SHEET 134 OF 315
C-325

DRAWFORM REVISION: 10 MARCH 2009

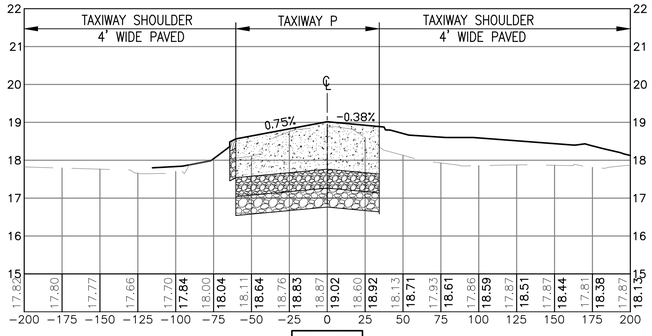
FILE NAME: Q:\PHPA\99... Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-325.dwg LAYOUT NAME: C-325 PLOTTED: Monday, March 23, 2015 - 3:36pm USER: jgeorge



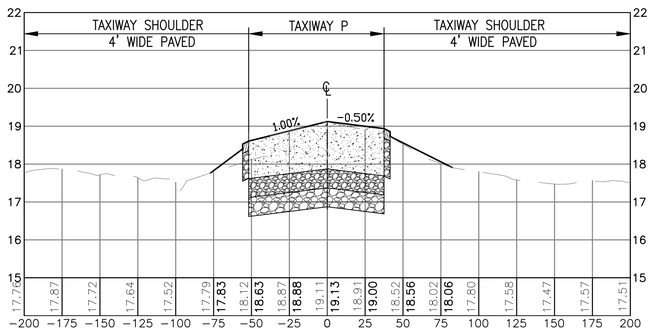
700+50



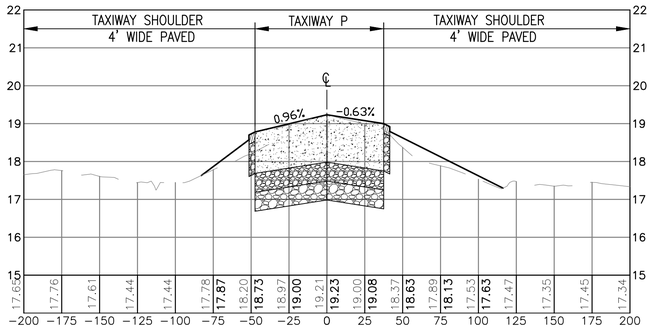
701+00



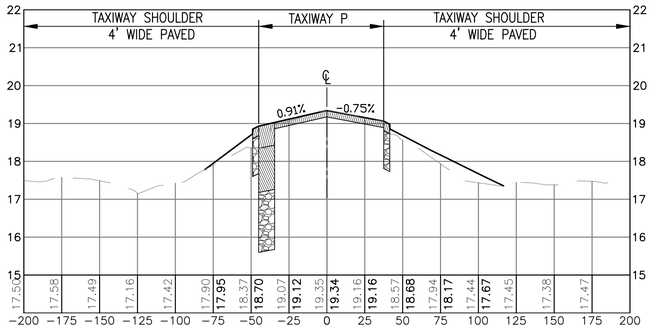
701+50



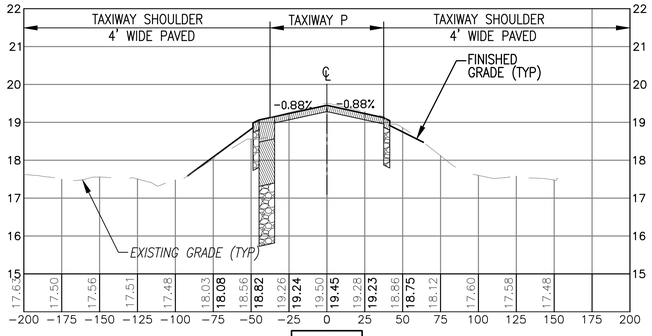
702+00



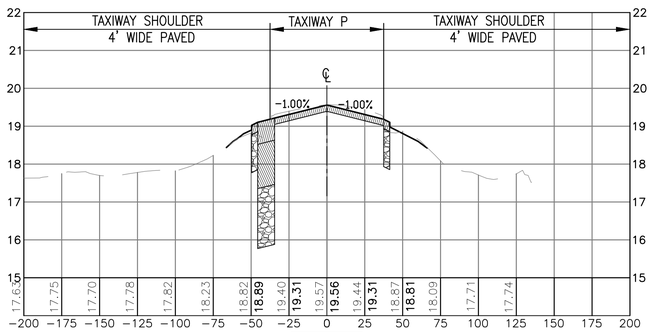
702+50



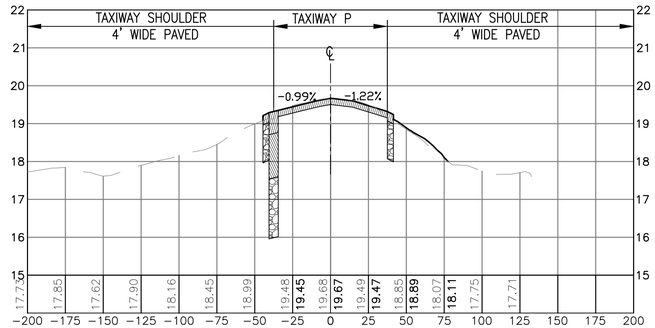
703+00



703+50



704+00



704+50

VERTICAL 1"=2' 0 2' 4'

HORIZONTAL 1"=50' 0 50' 100'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

Mark Tiger

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WEB: WWW.JMT.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJT DRW DFD CHK ELO

PM/DM

BRANCH MANAGER BJL

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC MID-ATLANTIC
NORFOLK, VIRGINIA

HR IPT

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

SPECIAL PROJECT RM10-9004
REPAIR RUNWAY 14L-32R PAVEMENT AND LIGHTING

TAXIWAY P CROSS SECTIONS STA: 700+50 – 704+50

SCALE: AS NOTED

EPROJECT NO.: 1312624

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12690146

SHEET 135 OF 315

C-326

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\PHPA\99_ Misc\Aviation\Oceana\Task 007\GENERAL-CIVIL\10-0863-007-C-326.dwg LAYOUT NAME: C-326 PLOTTED: Monday, March 23, 2015 - 3:38pm USER: jgeorge