

LEGEND

Section Township Range

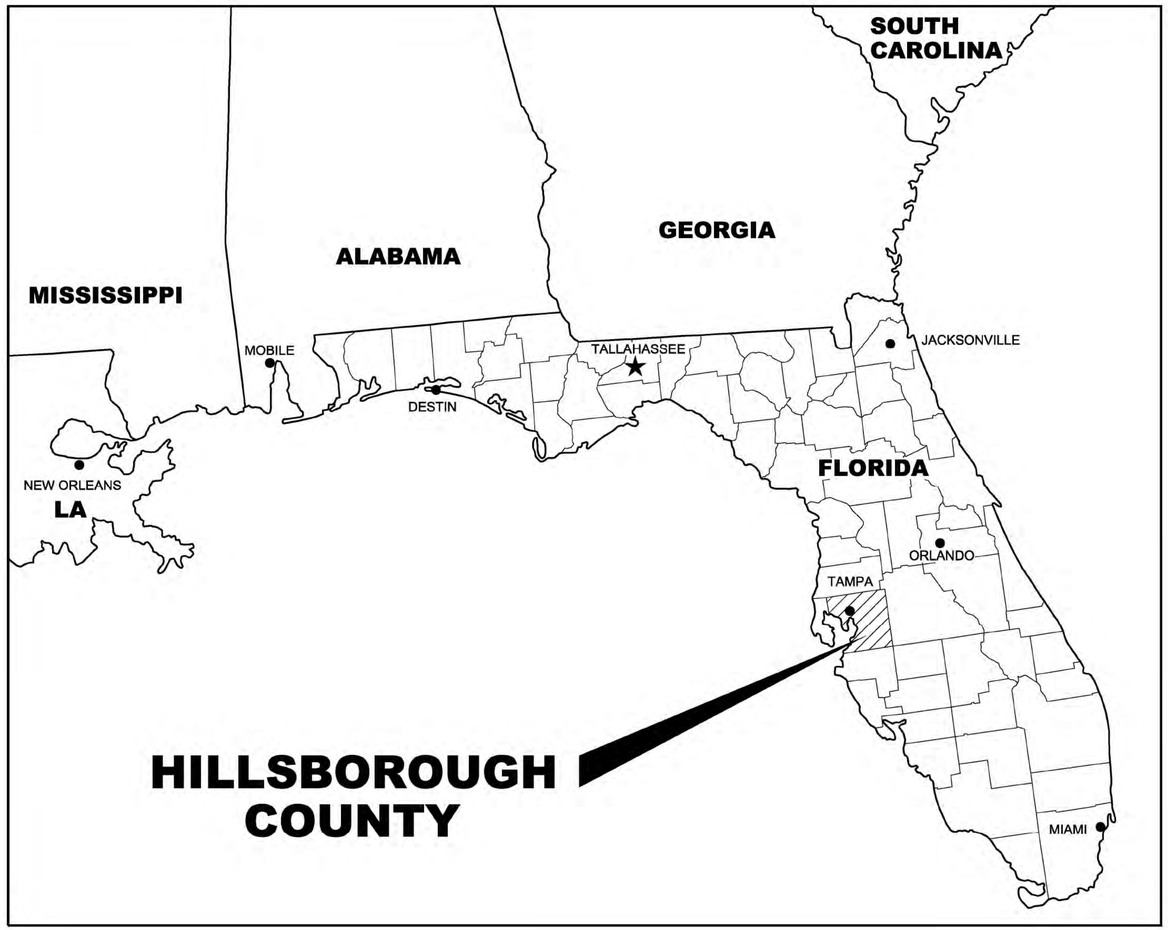
MacDill AFB Base Boundary

North

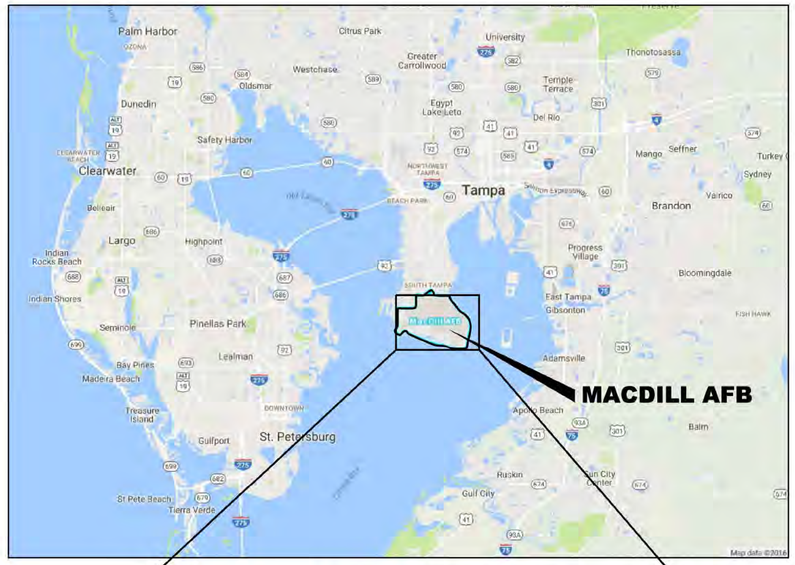
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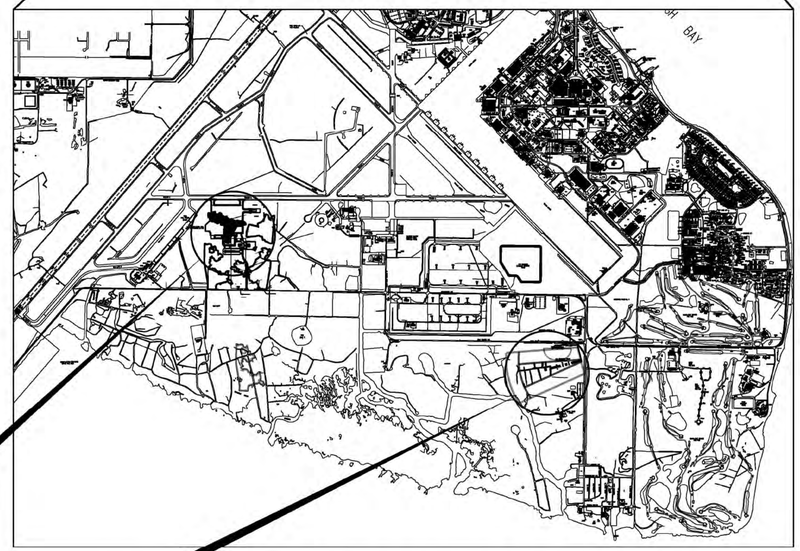
FIGURE 1
Project Location Map



AREA MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE



SITE LOCATION MAP
NOT TO SCALE

**ARMY RESERVE CENTER /
AVIATION SUPPORT FACILITY
BLDG NUMBERS:
TRNG BLDG. = 900 SOUTHSHORE AVE.
OMS BLDG. = 912 SOUTHSHORE AVE.
UHS BLDG. = 914 SOUTHSHORE AVE.
PUMPHOUSE BLDG. = 899 SOUTHSHORE AVE.
SOUTH WATER TANK = 894 SOUTHSHORE AVE.
NORTH WATER TANK = 897 SOUTHSHORE AVE.**

**RELOCATED SKEET /
GRENADE RANGE**

US Army Corps of Engineers®

MARK	DESCRIPTION	APPR	DATE

DESIGNED BY: S. THIBAUDEAU
DRAWN BY: B. SAYLOR
CHECKED BY: J. TOE
SUBMITTED BY: T. O'LEARY
SIZE: ANSI D
ISSUE DATE: JULY 2016
SOLICITATION NO.:
CONTRACT NO.:
DRAWING CODE: F-211-10-14

U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

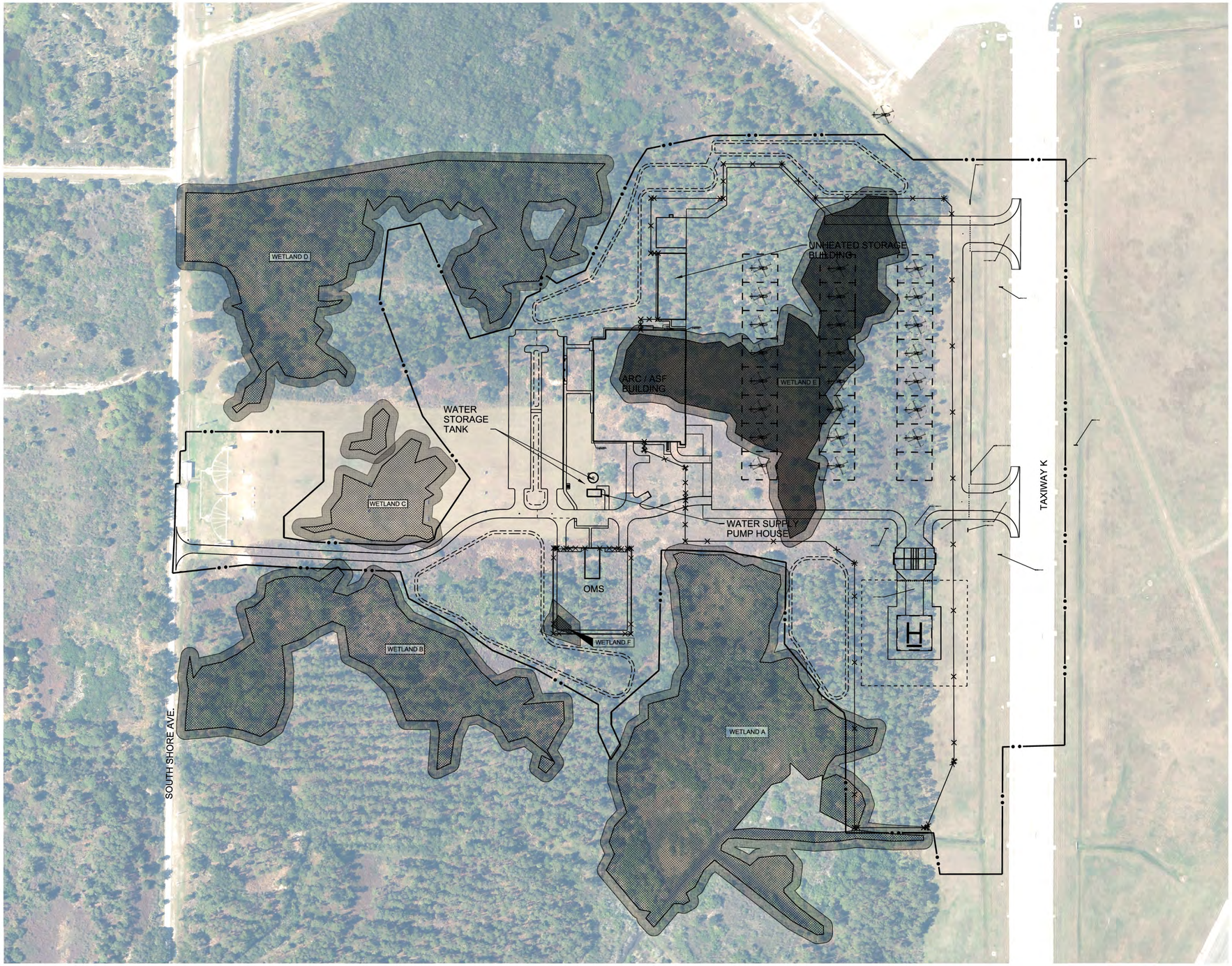
MACDILL AFB, FLORIDA
AR CENTER / AVIATION SUPPORT FACILITY
PN 85813 FY2016 P2 449827

VICINITY AND LOCATION MAPS

SHEET ID
OVR
GI101

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FINAL SUBMITTAL



A1 AERIAL PHOTOGRAPH
1"=150'

N

0 150' 300'

GENERAL SHEET NOTES

LEGEND

CONTRACTOR WORK LIMITS

WETLAND AREA, INCLUDING 25' BUFFER

US Army Corps of Engineers®

MARK	DESCRIPTION	APPR	DATE

DESIGNED BY: S. THIBAUDEAU
DRAWN BY: B. SAYLOR
CHECKED BY: J. TOE
SUBMITTED BY: TANYA O'LEARY
SIZE: ANSI D
ISSUE DATE: JAN 2017
SOLICITATION NO.:
CONTRACT NO.:
DRAWING CODE: F-211-10-14

U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

MACDILL AFB, FLORIDA
AR CENTER / AVIATION SUPPORT FACILITY
PN 85813 FY2016 F2 449827

AERIAL PHOTOGRAPH
AVIATION SUPPORT FACILITY

SHEET ID
ASF
VA101

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FINAL SUBMITTAL



A1 EXISTING CONDITIONS
1"=150'

GENERAL SHEET NOTES

NOTES:

1. PROJECT AREA BOUNDARY IS 55.7 ACRES.
2. WETLAND AREAS E AND F TO BE FILLED. TOTAL WETLAND IMPACT IS 5.675 ACRES.
3. TOTAL FILL IN IMPACTED WETLANDS IS 20,333 CUBIC YARDS.
4. TOTAL WETLANDS ON AND ADJACENT TO THE SITE, INCLUDING IMPACTED WETLANDS IS 32.48 ACRES.

LEGEND

- LIMITS OF CONSTRUCTION
- IMPACTED WETLAND
- WETLAND AREA INCLUDES 25' BUFFER
- DELINEATED WETLANDS OUTLINE

US Army Corps of Engineers®

MARK	DESCRIPTION	APPR	DATE

DESIGNED BY: S. THIBAUDEAU
DRAWN BY: B. SAYLOR
CHECKED BY: J. TOE
SUBMITTED BY: TARA O'LEARY
SIZE: ANSI D
ISSUE DATE: JAN 2017
SOLICITATION NO.:
CONTRACT NO.:
DRAWING CODE: F-211-10-14
SHEET

U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

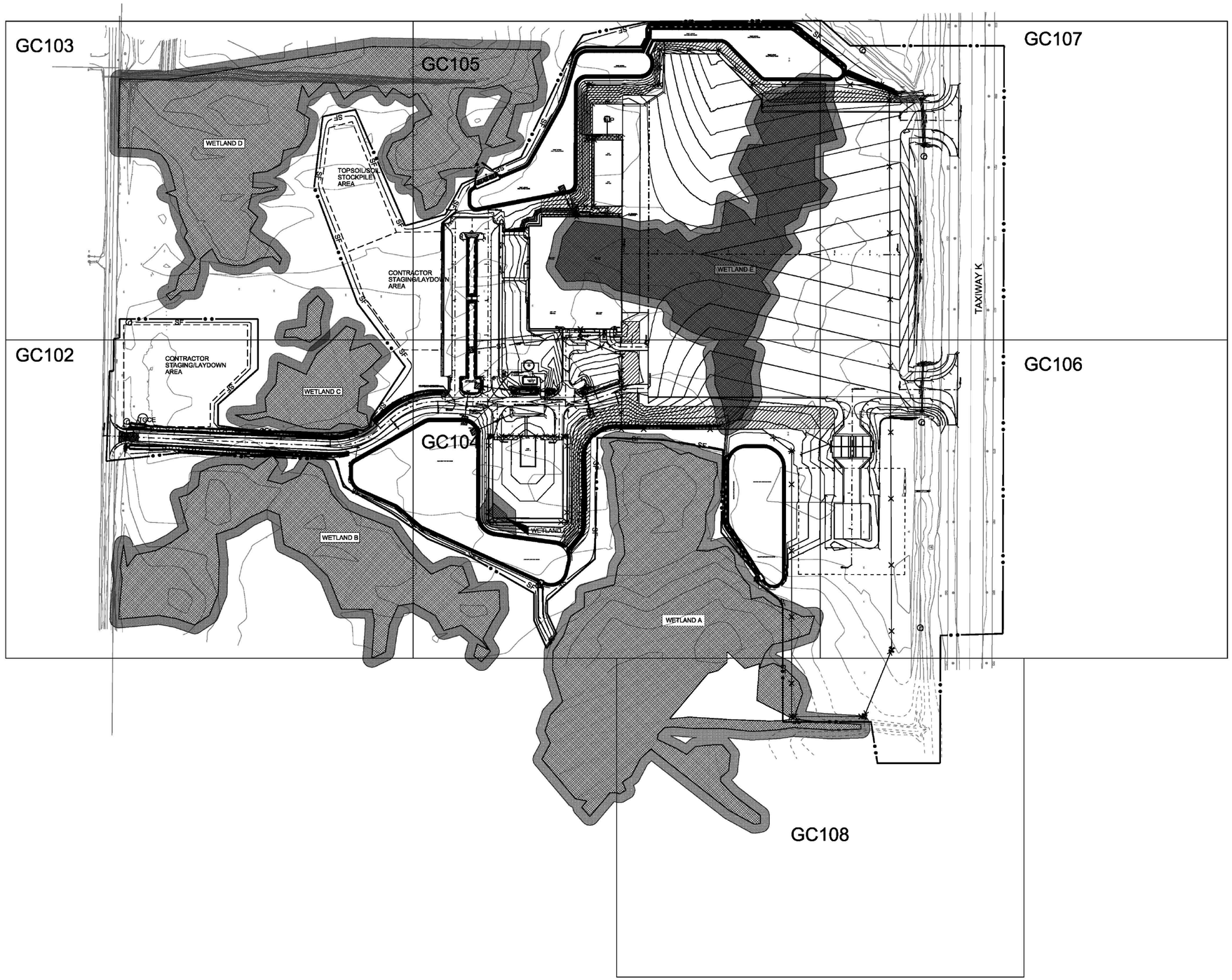
MACDILL AFB, FLORIDA
AR CENTER / AVIATION SUPPORT FACILITY
PN 65813-FY2016 P2 449827

EXISTING CONDITIONS
AVIATION SUPPORT FACILITY

SHEET ID
ASF
PV101

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FINAL SUBMITTAL



A1 OVERALL EROSION CONTROL PLAN - ASF
1"=150'

0 150' 300'

GENERAL SHEET NOTES

1 THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER SEVEN (7) DAYS BEFORE COMMENCING ANY LAND DISTURBING ACTIVITY, AND SHALL BE REQUIRED TO HOLD A PRE- CONSTRUCTION MEETING BETWEEN PROJECT REPRESENTATIVES AND A REPRESENTATIVE OF THE CONTRACTING OFFICER.

2 THE CONTRACTOR MUST NOTIFY THE CONTRACTING OFFICER IN WRITING AND BY TELEPHONE AT THE FOLLOWING POINTS:

A. THE REQUIRED PRE- CONSTRUCTION MEETING.
B. FOLLOWING INSTALLATION OF SEDIMENT CONTROL MEASURES.
C. DURING THE INSTALLATION OF SEDIMENT TRAPS (TO BE CONVERTED INTO PERMANENT INFILTRATION AREAS.)
D. PRIOR TO REMOVAL OR MODIFICATION OF ANY SEDIMENT CONTROL STRUCTURE(S).
E. PRIOR TO REMOVAL OF ALL SEDIMENT CONTROL DEVICES.
F. PRIOR TO FINAL ACCEPTANCE.

3 THE CONTRACTOR SHALL CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES PER THE APPROVED PLAN AND, SHALL HAVE THEM INSPECTED AND APPROVED BY THE CONTRACTING OFFICER PRIOR TO BEGINNING ANY OTHER LAND DISTURBANCES. MINOR SEDIMENT CONTROL DEVICE LOCATION ADJUSTMENTS MAY BE MADE IN THE FIELD WITH THE APPROVAL OF THE CONTRACTING OFFICER. THE CONTRACTOR SHALL ENSURE THAT ALL RUNOFF FROM DISTURBED AREAS IS DIRECTED TO THE SEDIMENT CONTROL MEASURES. THE CONTRACTOR MUST OBTAIN PRIOR APPROVAL FOR CHANGES TO THE SEDIMENT CONTROL PLAN.

4 THE CONTRACTOR SHALL PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT THE DEPOSITION OF MATERIALS ONTO PUBLIC ROADS. ALL MATERIALS DEPOSITED ONTO PUBLIC ROADS SHALL BE REMOVED IMMEDIATELY.

5 THE CONTRACTOR SHALL INSPECT ALL CONTROLS IN ACCORDANCE WITH THE INSPECTION AND MAINTENANCE REQUIREMENTS AND MAINTAIN ALL CONTROLS IN AN EFFECTIVE OPERATING CONDITION UNTIL SUCH TIMES AS THEY ARE REMOVED WITH PRIOR PERMISSION FROM THE CONTRACTING OFFICER.

6 THE CONTRACTOR SHALL APPLY SOD OR SEED AND ANCHORED STRAW MULCH, OR OTHER APPROVED STABILIZATION MEASURES TO ALL DISTURBED AREAS AND STOCKPILES IMMEDIATELY AFTER STRIPPING AND GRADING ACTIVITIES HAVE CEASED IN THE AREA. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION.

7 PERMANENT SWALES OR OTHER POINTS OF CONCENTRATED WATER FLOW SHALL BE STABILIZED WITH SOD, OR SEEDED AND COVERED WITH AN APPROVED EROSION CONTROL MATTING, RIPRAP OR BY OTHER APPROVED STABILIZATION MEASURES.

8 TEMPORARY SEDIMENT CONTROL DEVICES MAY BE REMOVED, WITH PERMISSION OF THE CONTRACTING OFFICER, WITHIN THIRTY (30) CALENDAR DAYS FOLLOWING ESTABLISHMENT OF PERMANENT STABILIZATION IN ALL CONTRIBUTARY DRAINAGE AREAS.

9 FOR FINISHED GRADING, THE CONTRACTOR SHALL PROVIDE ADEQUATE GRADIENTS SO AS TO: PREVENT WATER FROM STANDING ON THE SURFACE MORE THAN TWENTY FOUR (24) HOURS AFTER THE END OF A RAINFALL EXCEPT IN DESIGNATED DRAINAGE COURSES AND SWALE FLOW AREAS WHICH MAY DRAIN AS LONG AS FORTY-EIGHT (48) HOURS AFTER THE END OF A RAINFALL, AREAS DESIGNED TO HAVE STANDING WATER SHALL NOT BE REQUIRED TO MEET THIS REQUIREMENT.

10 TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH PROJECT PLANS. IN ADDITION, SIMILAR MEASURES SHALL BE INSTALLED WHERE AND WHEN FIELD CONDITIONS, OR FIELD OPERATIONS OF THE INDIVIDUAL SITE CONTRACTOR MAY WARRANT. ALL TEMPORARY EROSION CONTROL MEASURES USED SHALL BE PERIODICALLY INSPECTED, CLEANED, MAINTAINED AND OTHERWISE KEPT IN AN EFFECTIVE OPERATIONAL MANNER THROUGHOUT THE CONSTRUCTION PERIOD.

11 ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE NPDES PROGRAM AND APPROVED SWPPP.

12 TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THIS AREA HAS BEEN 90% STABILIZED AND ACCEPTED BY THE CONTRACTING OFFICER'S REPRESENTATIVE.

US Army Corps of Engineers®

MARK	DESCRIPTION	APPR.	DATE

ISSUE DATE: JAN 2017
SOLICITATION NO.:
CONTRACT NO.:
DRAWING CODE: F-211-10-14

DESIGNED BY: R. HOLMBERG
DRAWN BY: B. SAYLOR
CHECKED BY: I. WEILBAKER
SUBMITTED BY: SUE O'LEARY
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

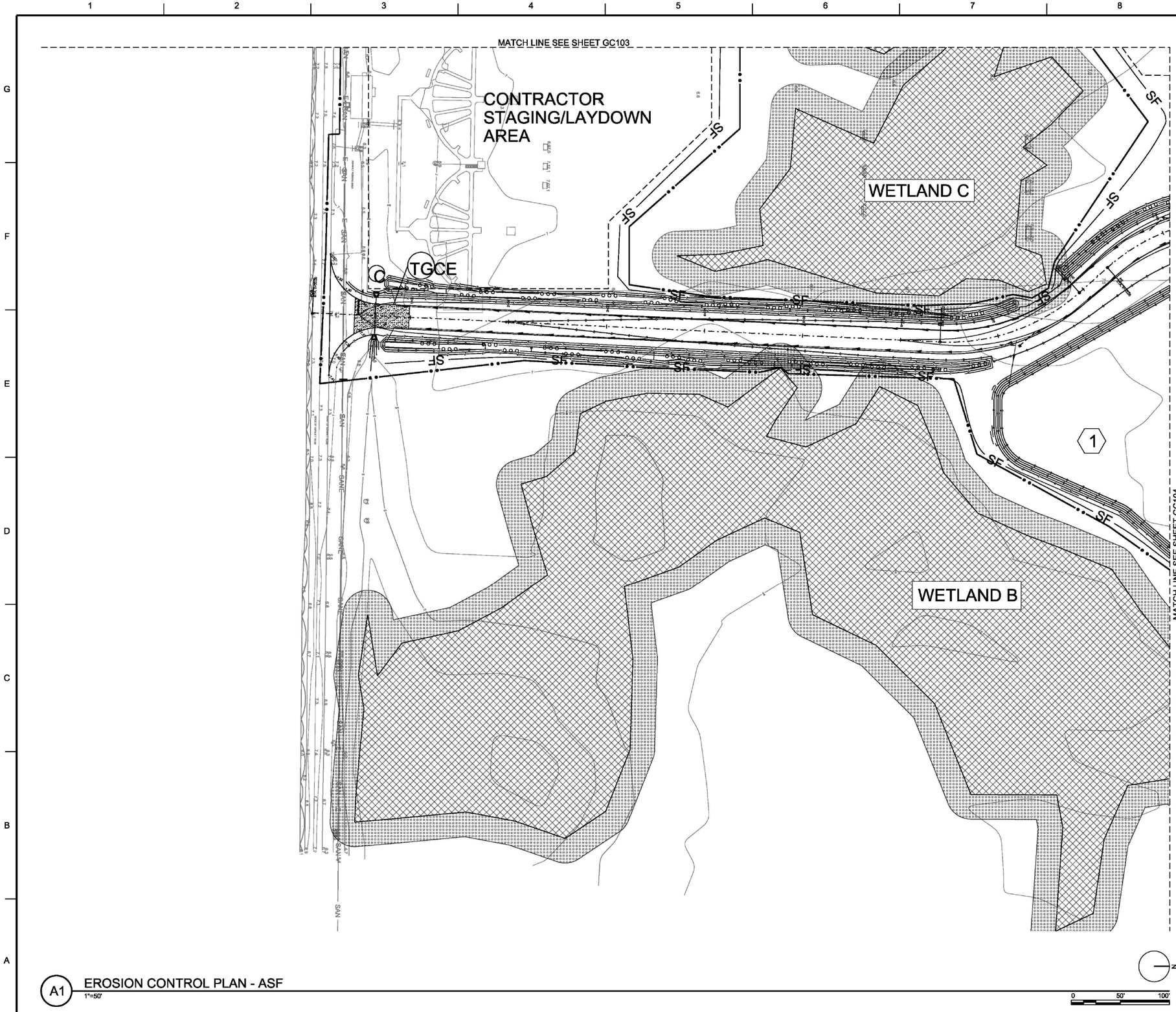
MACDILL AFB, FLORIDA
AR CENTER / AVIATION SUPPORT FACILITY
PN 85813 FY2016 P2 449827

OVERALL EROSION CONTROL PLAN
AVIATION SUPPORT FACILITY

SHEET ID
ASF
GC101

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FINAL SUBMITTAL



A1 EROSION CONTROL PLAN - ASF
1"=50'

0 50' 100'

GENERAL SHEET NOTES

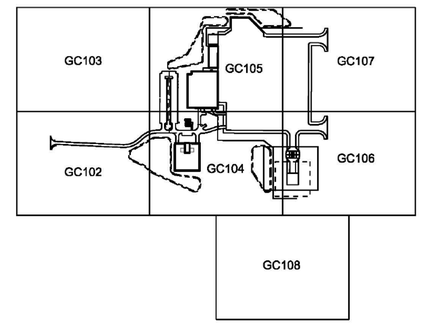
SHEET KEYNOTES

1. NEW SEDIMENT TRAP - CONVERTED TO STORM WATER MANAGEMENT BASIN WHEN 90% OF CONTRIBUTION AREA IS STABILIZED.

LEGEND

- HW 1-1 — NEW HEADWALL
- NEW DITCH LINE
- CP — NEW CULVERT
- SD — NEW STORM DRAIN
- SF — SILT FENCE, SEE DETAIL E5 SH. GC501
- C — STONE SILT CHECK, SEE DETAIL E1 SH. GC501
- RO — SILT FENCE ROCK OVERFLOW, SEE DETAIL A1 ON SHEET GC501.
- CONTRACTOR WORK LIMITS
- FIP — FABRIC INLET PROTECTION, SEE DETAIL A7 ON SHEET GC501.
- EROSION CONTROL BLANKET, SEE DETAIL A1, SHEET GC502
- TGCE — TEMPORARY GRAVEL CONSTRUCTION ENTRANCE, SEE DETAIL A5, SHEET GC501
- WETLAND AREA, INCLUDING 25' BUFFER

KEY MAP



US Army Corps of Engineers®

MARK	DESCRIPTION	APPR.	DATE

DESIGNED BY: R. HOLMBERG
DRAWN BY: B. SAYLOR
CHECKED BY: I. WEILBAKER
SUBMITTED BY: SGT. O'LEARY
SIZE: ANSI D
ISSUE DATE: JAN 2017
SOLICITATION NO.:
CONTRACT NO.:
DRAWING CODE: F-211-10-14
SHEET:

U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

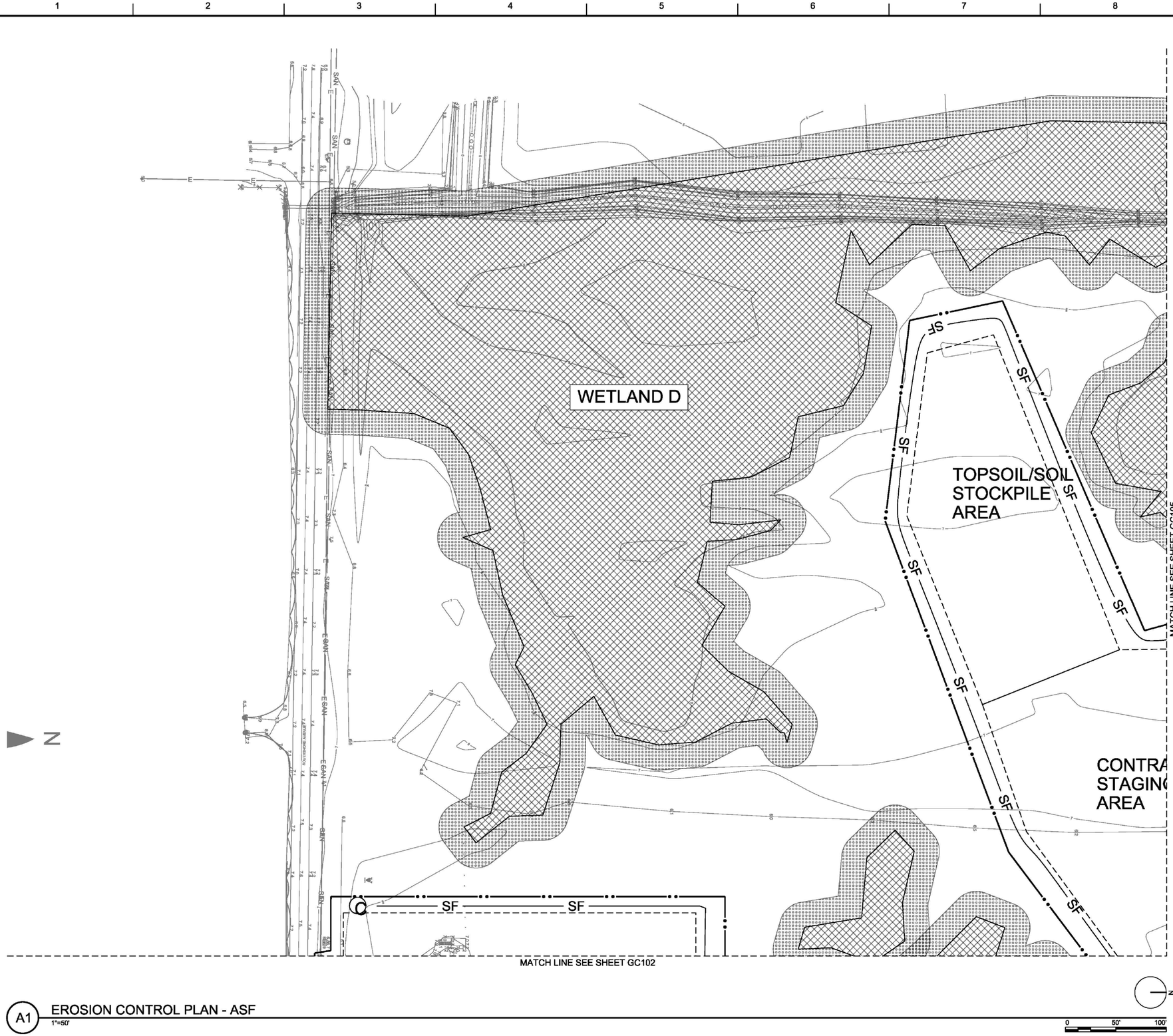
MACDILL AFB, FLORIDA
AR CENTER / AVIATION SUPPORT FACILITY
PN 58813 FY2016 P2 449827

EROSION CONTROL PLAN 1 OF 7
AVIATION SUPPORT FACILITY

SHEET ID
ASF
GC102

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FINAL SUBMITTAL



A1 EROSION CONTROL PLAN - ASF
1"=50'

GENERAL SHEET NOTES

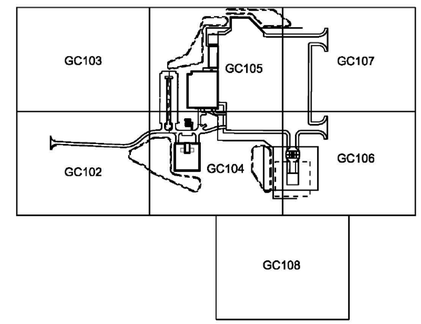
SHEET KEYNOTES

1. NEW SEDIMENT TRAP - CONVERTED TO STORM WATER MANAGEMENT BASIN WHEN 90% OF CONTRIBUTION AREA IS STABILIZED.

LEGEND

- HW 1-1 — NEW HEADWALL
- NEW DITCH LINE
- CP — NEW CULVERT
- SD — NEW STORM DRAIN
- SF — SILT FENCE, SEE DETAIL E5 SH. GC501
- C — STONE SILT CHECK, SEE DETAIL E1 SH. GC501
- RO — SILT FENCE ROCK OVERFLOW, SEE DETAIL A1 ON SHEET GC501.
- CONTRACTOR WORK LIMITS
- FIP — FABRIC INLET PROTECTION, SEE DETAIL A7 ON SHEET GC501.
- EROSION CONTROL BLANKET, SEE DETAIL A1, SHEET GC502
- TGCE — TEMPORARY GRAVEL CONSTRUCTION ENTRANCE, SEE DETAIL A5, SHEET GC501
- WETLAND AREA, INCLUDING 25' BUFFER

KEY MAP



US Army Corps of Engineers®

MARK	DESCRIPTION	APPR.	DATE

DESIGNED BY: R. HOLMBERG
DRAWN BY: B. SAYLOR
CHECKED BY: I. WEILBAKER
SUBMITTED BY: SUZIE O'LEARY
SIZE: ANSI D
ISSUE DATE: JAN 2017
SOLICITATION NO.:
CONTRACT NO.:
DRAWING CODE: F-211-10-14
SCALE:

U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

MACDILL AFB, FLORIDA
AR CENTER / AVIATION SUPPORT FACILITY
PN 88813 FY2016 P2 449827

EROSION CONTROL PLAN 2 OF 7
AVIATION SUPPORT FACILITY

SHEET ID
ASF
GC103

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FINAL SUBMITTAL

MATCH LINE SEE SHEET GC105

MATCH LINE SEE SHEET GC102

MATCH LINE SEE SHEET GC106

MATCH LINE SEE SHEET GC108

WETLAND F

WETLAND A

1

A1 EROSION CONTROL PLAN - ASF
1"=50'

0 50' 100'

N

GENERAL SHEET NOTES

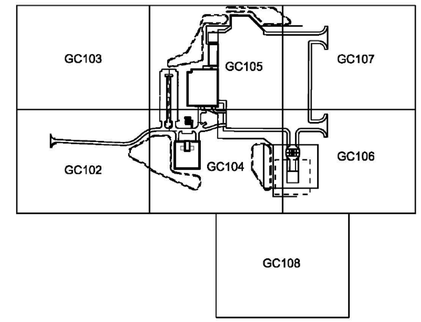
SHEET KEYNOTES

1. NEW SEDIMENT TRAP - CONVERTED TO STORM WATER MANAGEMENT BASIN WHEN 90% OF CONTRIBUTION AREA IS STABILIZED.

LEGEND

HW 1-1	NEW HEADWALL
o o o	NEW DITCH LINE
CP	NEW CULVERT
SD	NEW STORM DRAIN
SF	SILT FENCE, SEE DETAIL E5 SH. GC501
C	STONE SILT CHECK, SEE DETAIL E1 SH. GC501
RO	SILT FENCE ROCK OVERFLOW, SEE DETAIL A1 ON SHEET GC501.
	CONTRACTOR WORK LIMITS
FIP	FABRIC INLET PROTECTION, SEE DETAIL A7 ON SHEET GC501.
	EROSION CONTROL BLANKET, SEE DETAIL A1, SHEET GC502
TGCE	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE, SEE DETAIL A5, SHEET GC501
	WETLAND AREA, INCLUDING 25' BUFFER

KEY MAP



US Army Corps of Engineers®

MARK	DESCRIPTION	APPR.	DATE

ISSUE DATE: JAN 2017
SOLICITATION NO.:
CONTRACT NO.:
DRAWING CODE: F-211-10-14

DESIGNED BY: R. HOLMBERG
DRAWN BY: B. SAYLOR
CHECKED BY: I. WELBAKER
SUBMITTED BY: J. O'LEARY
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

MACDILL AFB, FLORIDA
AR CENTER / AVIATION SUPPORT FACILITY
PN 86813 FY2016 F2 449827

EROSION CONTROL PLAN 3 OF 7
AVIATION SUPPORT FACILITY

SHEET ID
ASF
GC104

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FINAL SUBMITTAL



GENERAL SHEET NOTES

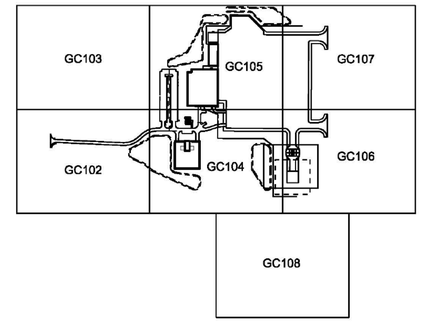
SHEET KEYNOTES

1. NEW SEDIMENT TRAP - CONVERTED TO STORM WATER MANAGEMENT BASIN WHEN 90% OF CONTRIBUTION AREA IS STABILIZED.

LEGEND

HW 1-1	NEW HEADWALL
o o o	NEW DITCH LINE
CP	NEW CULVERT
SD	NEW STORM DRAIN
SF	SILT FENCE, SEE DETAIL E5 SH. GC501
C	STONE SILT CHECK, SEE DETAIL E1 SH. GC501
RO	SILT FENCE ROCK OVERFLOW, SEE DETAIL A1 ON SHEET GC501.
	CONTRACTOR WORK LIMITS
FIP	FABRIC INLET PROTECTION, SEE DETAIL A7 ON SHEET GC501.
	EROSION CONTROL BLANKET, SEE DETAIL A1, SHEET GC502
TGCE	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE, SEE DETAIL A5, SHEET GC501
	WETLAND AREA, INCLUDING 25' BUFFER

KEY MAP



A1 EROSION CONTROL PLAN - ASF
1"=50'

0 50' 100'

US Army Corps of Engineers®

MARK	DESCRIPTION	APPR	DATE

DESIGNED BY:	R. HOLMBERG
DRAWN BY:	B. SAYLOR
CHECKED BY:	L.WEILBAKER
SUBMITTED BY:	T. O'LEARY
SIZE	ANSI D
ISSUE DATE:	JAN 2017
SOLICITATION NO.:	
CONTRACT NO.:	
DRAWING CODE:	F-211-10-14

U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

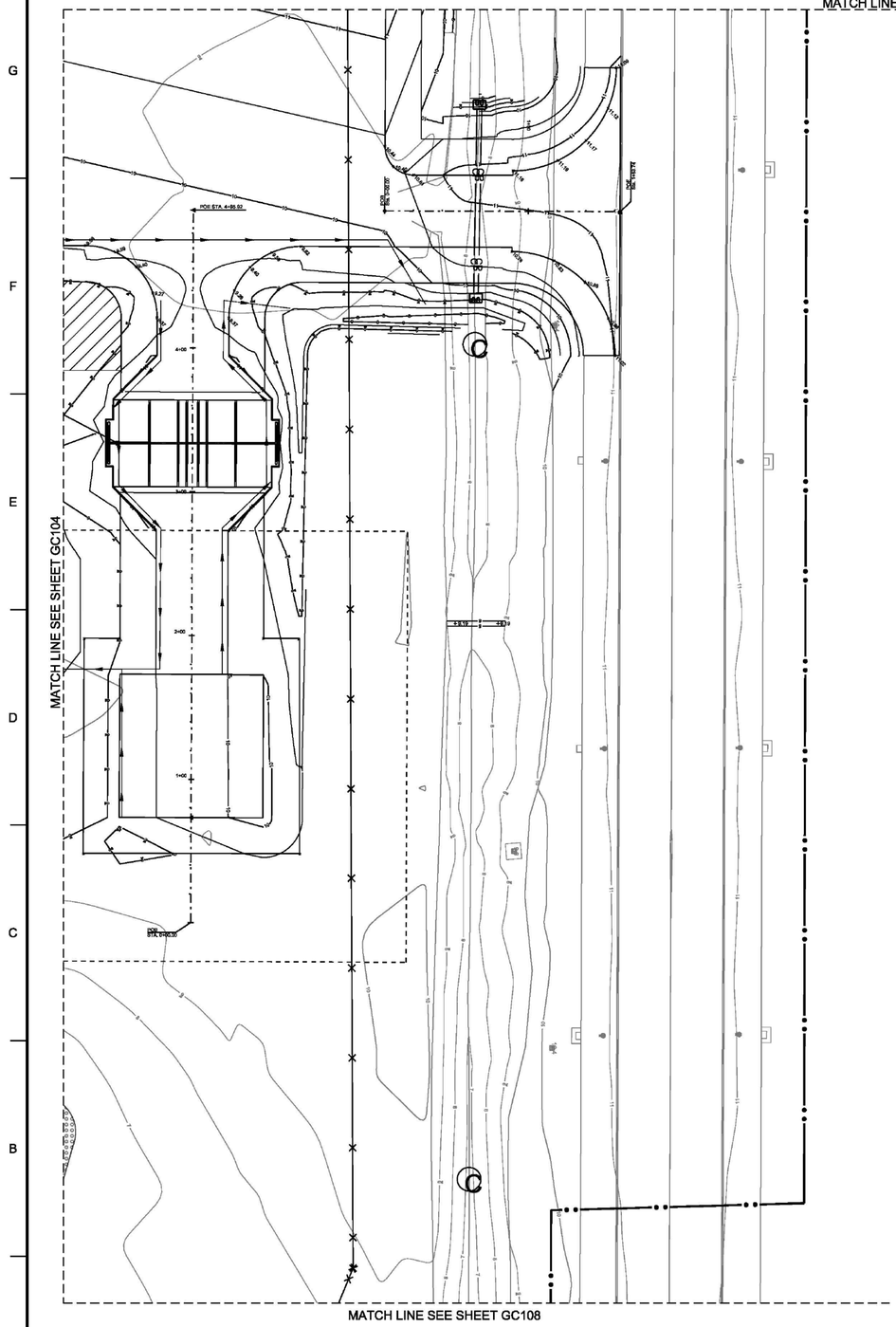
MACDILL AFB, FLORIDA
AR CENTER / AVIATION SUPPORT FACILITY
PN 86813 FY2016 P2 449827

EROSION CONTROL PLAN 4 OF 7
AVIATION SUPPORT FACILITY

SHEET ID
ASF
GC105

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FINAL SUBMITTAL



GENERAL SHEET NOTES

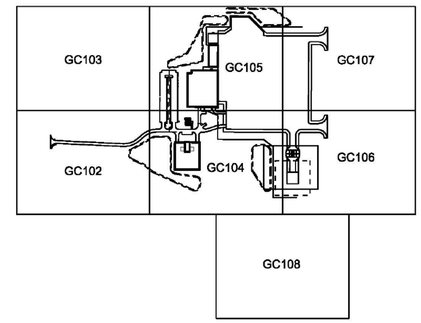
SHEET KEYNOTES

1. NEW SEDIMENT TRAP - CONVERTED TO STORM WATER MANAGEMENT BASIN WHEN 90% OF CONTRIBUTION AREA IS STABILIZED.

LEGEND

HW 1-1	NEW HEADWALL
o o o	NEW DITCH LINE
CP	NEW CULVERT
SD	NEW STORM DRAIN
SF	SILT FENCE, SEE DETAIL E5 SH. GC501
C	STONE SILT CHECK, SEE DETAIL E1 SH. GC501
RO	SILT FENCE ROCK OVERFLOW, SEE DETAIL A1 ON SHEET GC501.
	CONTRACTOR WORK LIMITS
FIP	FABRIC INLET PROTECTION, SEE DETAIL A7 ON SHEET GC501.
	EROSION CONTROL BLANKET, SEE DETAIL A1, SHEET GC502
TGCE	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE, SEE DETAIL A5, SHEET GC501
	WETLAND AREA, INCLUDING 25' BUFFER

KEY MAP



A1 EROSION CONTROL PLAN - ASF
1"=50'

N

0 50' 100'

US Army Corps of Engineers®

MARK	DESCRIPTION	APPR	DATE

ISSUE DATE: JAN 2017
SOLICITATION NO.:
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DESIGNED BY: R. HOLMBERG
DRAWN BY: B. SAYLOR
CHECKED BY: I. WEILBAKER
SUBMITTED BY: TOM O'LEARY
SIZE ANSI D

U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

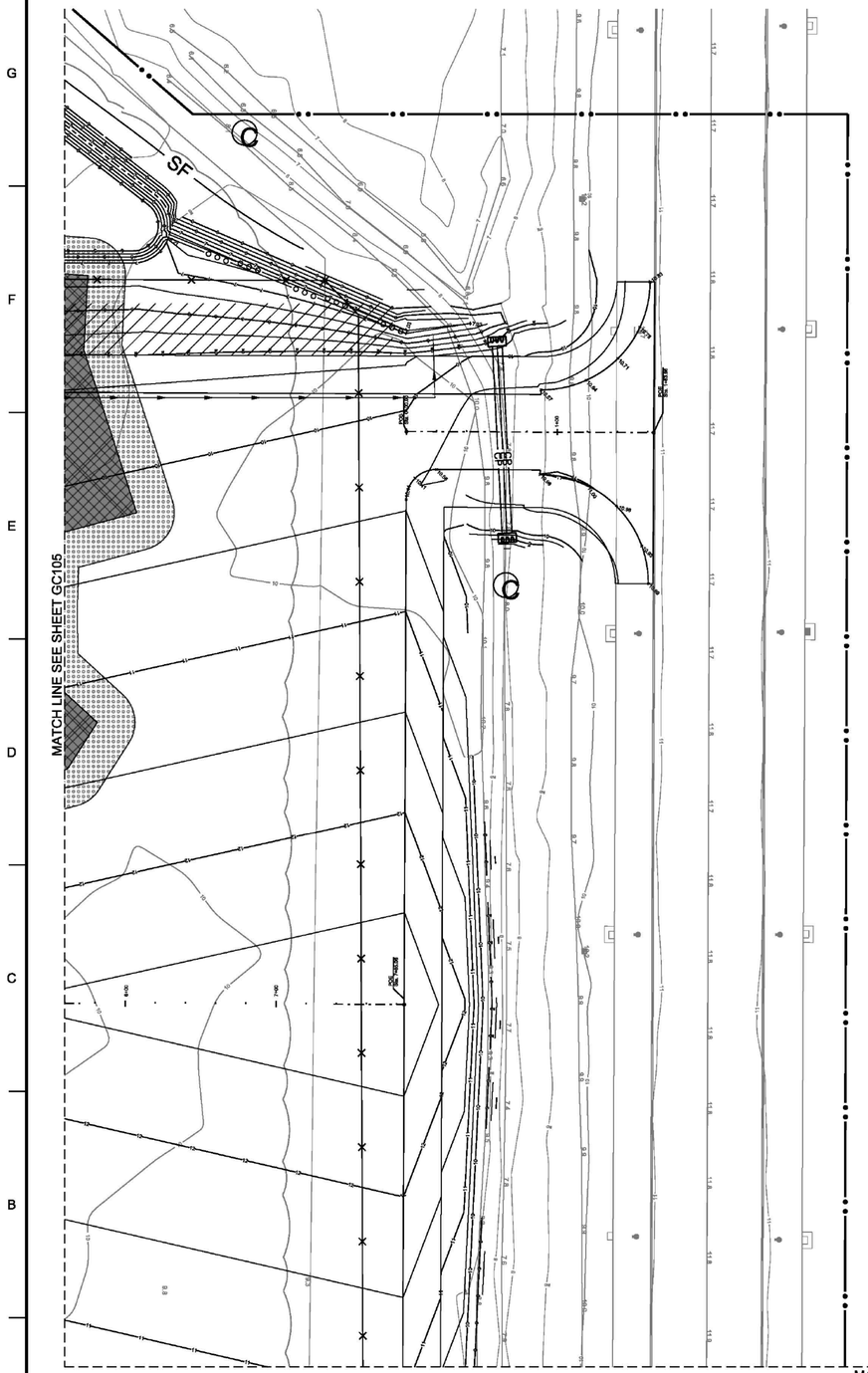
MACDILL AFB, FLORIDA
AR CENTER / AVIATION SUPPORT FACILITY
PN 86913 FY2016 PZ 449827

EROSION CONTROL PLAN 5 OF 7
AVIATION SUPPORT FACILITY

SHEET ID
ASF
GC106

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FINAL SUBMITTAL



A1 EROSION CONTROL PLAN - ASF
1"=50'

N

0 50' 100'

GENERAL SHEET NOTES

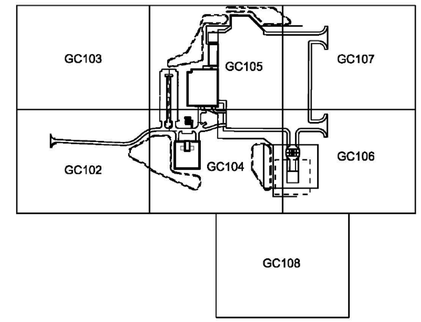
SHEET KEYNOTES

1. NEW SEDIMENT TRAP - CONVERTED TO STORM WATER MANAGEMENT BASIN WHEN 90% OF CONTRIBUTION AREA IS STABILIZED.

LEGEND

- HW 1-1 — NEW HEADWALL
- NEW DITCH LINE
- CP — NEW CULVERT
- SD — NEW STORM DRAIN
- SF — SILT FENCE, SEE DETAIL E5 SH. GC501
- C — STONE SILT CHECK, SEE DETAIL E1 SH. GC501
- RO — SILT FENCE ROCK OVERFLOW, SEE DETAIL A1 ON SHEET GC501.
- CONTRACTOR WORK LIMITS
- FIP — FABRIC INLET PROTECTION, SEE DETAIL A7 ON SHEET GC501.
- EROSION CONTROL BLANKET, SEE DETAIL A1, SHEET GC502
- TGCE — TEMPORARY GRAVEL CONSTRUCTION ENTRANCE, SEE DETAIL A5, SHEET GC501
- WETLAND AREA, INCLUDING 25' BUFFER

KEY MAP



US Army Corps of Engineers®

MARK	DESCRIPTION	APPR	DATE

ISSUE DATE:	JAN 2017
SOLICITATION NO.:	
CONTRACT NO.:	
DRAWING CODE:	F-211-10-14
DESIGNED BY:	R. HOLMBERG
DRAWN BY:	B. SAYLOR
CHECKED BY:	I. WEILBAKER
SUBMITTED BY:	M. O'LEARY
SIZE:	ANSI D

U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

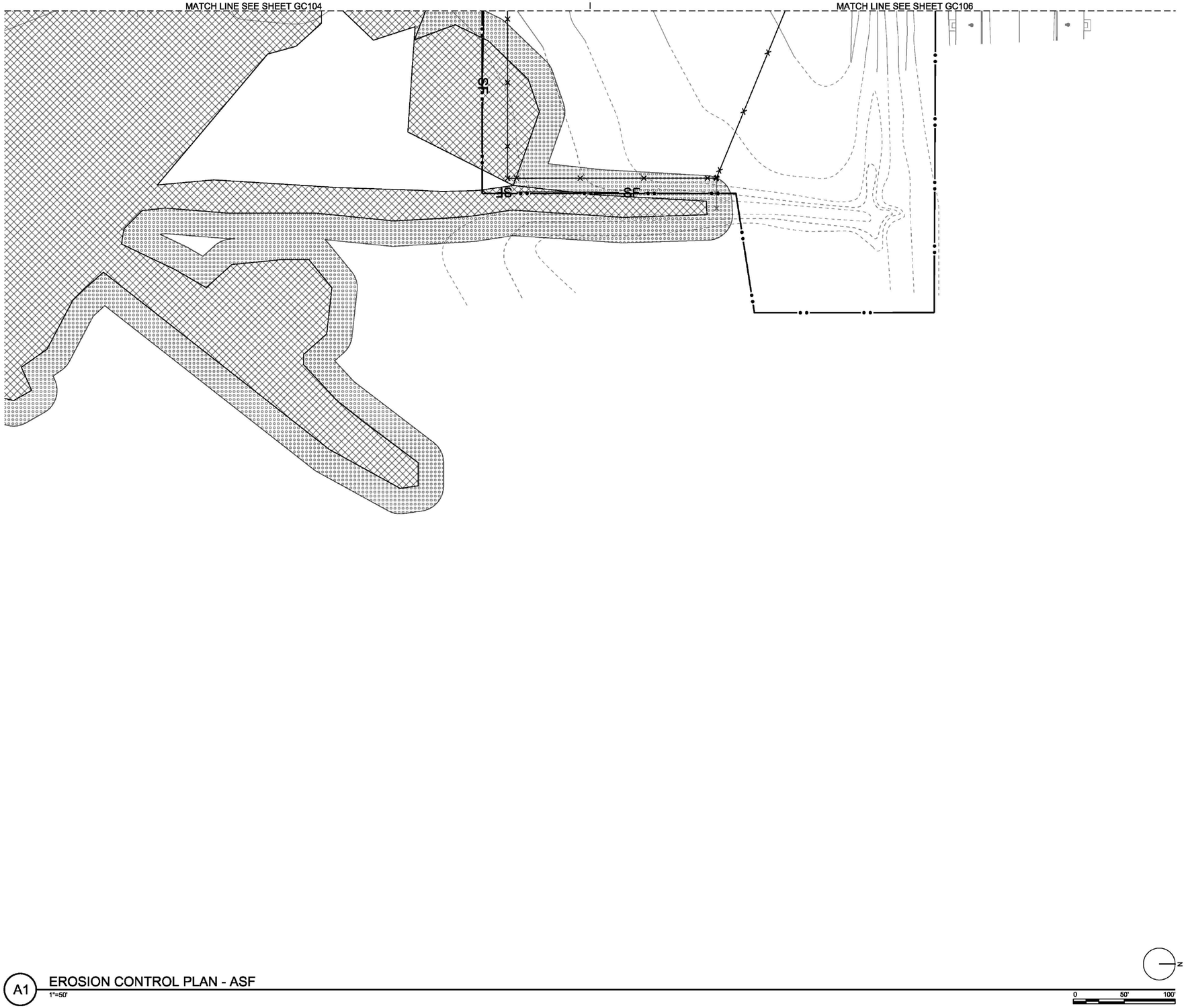
MACDILL AFB, FLORIDA
AR CENTER / AVIATION SUPPORT FACILITY
PN 65813 FY2016 P2 449827

EROSION CONTROL PLAN 6 OF 7
AVIATION SUPPORT FACILITY

SHEET ID
ASF
GC107

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FINAL SUBMITTAL



GENERAL SHEET NOTES

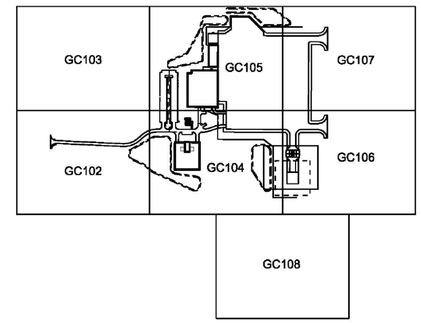
SHEET KEYNOTES

1. NEW SEDIMENT TRAP - CONVERTED TO STORM WATER MANAGEMENT BASIN WHEN 90% OF CONTRIBUTION AREA IS STABILIZED.

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- NEW DITCH LINE
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- SD — NEW STORM DRAIN
- SF — SILT FENCE, SEE DETAIL E5 SH. GC501
- (C) — STONE SILT CHECK, SEE DETAIL E1 SH. GC501
- (RO) — SILT FENCE ROCK OVERFLOW, SEE DETAIL A1 ON SHEET GC501.
- CONTRACTOR WORK LIMITS
- (FIP) — FABRIC INLET PROTECTION, SEE DETAIL A7 ON SHEET GC501.
- EROSION CONTROL BLANKET, SEE DETAIL A1, SHEET GC502
- (TGCE) — TEMPORARY GRAVEL CONSTRUCTION ENTRANCE, SEE DETAIL A5, SHEET GC501
- WETLAND AREA, INCLUDING 25' BUFFER

KEY MAP



A1 EROSION CONTROL PLAN - ASF
1"=50'

N

0 50' 100'

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MARK	DESCRIPTION	APPR	DATE

DESIGNED BY: R. HOLMBERG	ISSUE DATE: JAN 2017		
DRAWN BY: B. SAYLOR	SOLICITATION NO.:	CONTRACT NO.:	
CHECKED BY: I. WEILBAKER	SUBMITTED BY: SARA O'LEARY	DRAWING CODE: F-211-10-14	
	SIZE: ANSI D		

U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

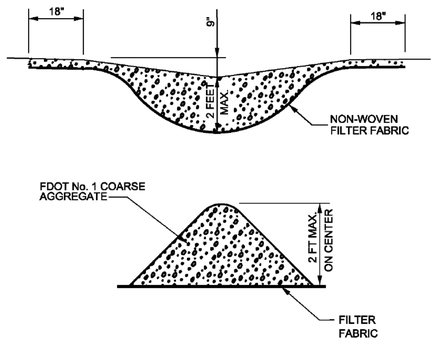
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AR CENTER / AVIATION SUPPORT FACILITY
PN 85813 FY2016 F2 449827

EROSION CONTROL PLAN 7 OF 7
AVIATION SUPPORT FACILITY

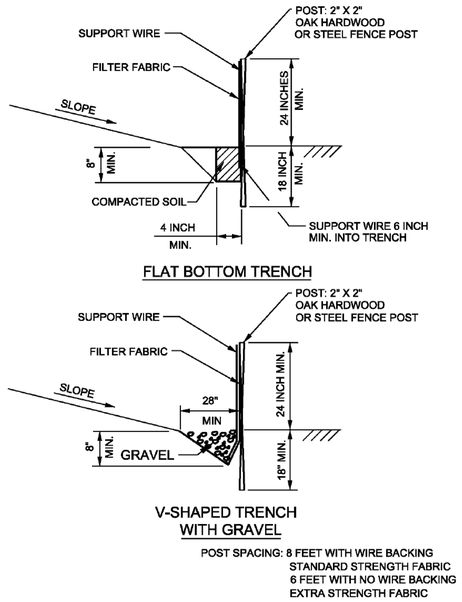
SHEET ID
ASF
GC108

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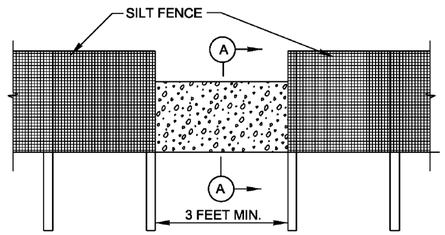
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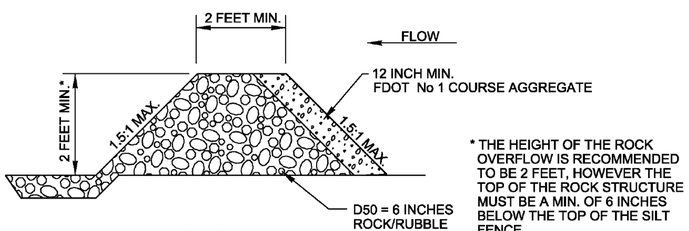
E1 STONE SILT CHECK (C)
NTS



E5 SILT FENCE (SF)
NTS



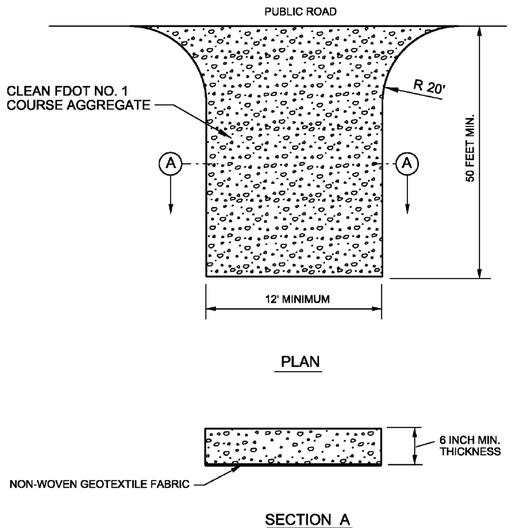
TO BE USED IN THE LOWEST SECTION OF THE SILT FENCE WHERE THERE WILL BE CONCENTRATED FLOW



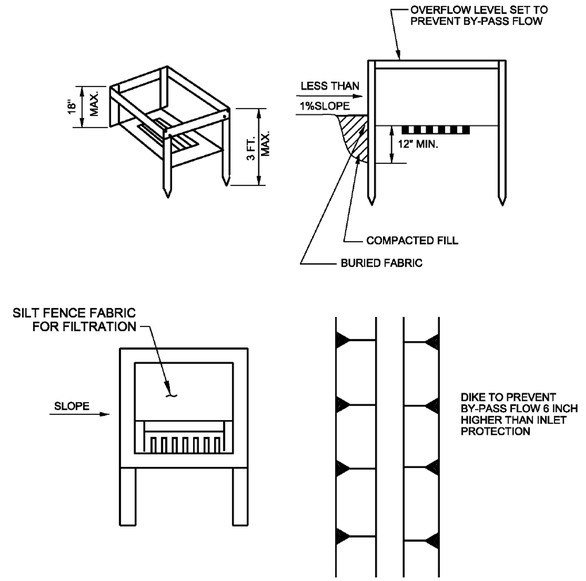
SECTION A

* THE HEIGHT OF THE ROCK OVERFLOW IS RECOMMENDED TO BE 2 FEET, HOWEVER THE TOP OF THE ROCK STRUCTURE MUST BE A MIN. OF 6 INCHES BELOW THE TOP OF THE SILT FENCE.

A1 SILT FENCE ROCK OVERFLOW
NTS



A5 TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/ EXIT PAD (TGCE)
NTS



A7 FABRIC INLET PROTECTION (FIP)
NTS

US Army Corps of Engineers®

MARK	DESCRIPTION	APPR.	DATE

ISSUE DATE:	JULY 2016
SOLICITATION NO.:	
CONTRACT NO.:	
DRAWING CODE:	F-211-10-14

DESIGNED BY:	R. HOLMBERG
DRAWN BY:	B. SAYLOR
CHECKED BY:	I. WEILBAKER
SUBMITTED BY:	SARA O'LEARY
SIZE:	ANSI D

U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

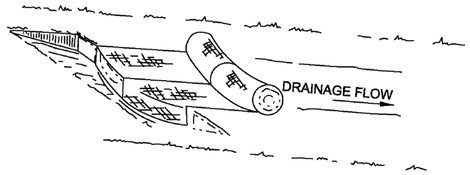
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AR CENTER / AVIATION SUPPORT FACILITY
PN 65813 FY2016 PZ 449827

EROSION CONTROL DETAILS
AVIATION SUPPORT FACILITY

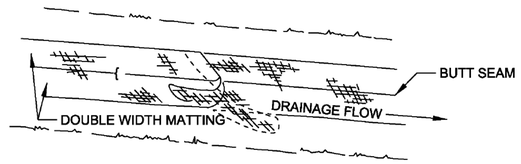
SHEET ID
ASF
GC501

SWALE OR DITCH

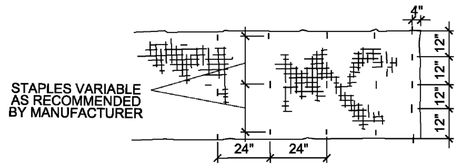
DOUBLE WIDTH MATTING AND BLANKETS IN SWALE, USE 3'-6" OVERLAP WHERE TWO OR MORE STRIPS ARE REQUIRED, AND STAPLE ON 2'-0" CENTERS



BURY TOP END OF MATTING AND BLANKETS IN A 6" TRENCH
TAMP TRENCH FULL OF SOIL. SECURE WITH ROW OF STAPLES,
12" MAXIMUM SPACING 4" DOWN FROM TRENCH.

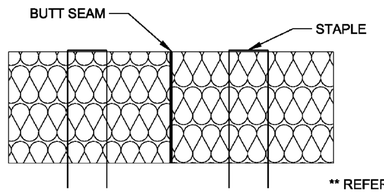


OVERLAP: BURY UPPER END OF LOWER STRIP
AS PER ABOVE DETAIL. OVERLAP END OF TOP
STRIP 6" AND STAPLE EITHER SIDE OF JOINT.



* DEPENDANT ON
WIDTH OF PRODUCT

SECURE MATTING AND BLANKETS WITH STAPLES SPACED 24" APART
ALONG THE SIDES AND DOWN THE CENTER. AT THE ENDS OF THE
MATTING AND AT 50 FOOT INTERVALS STAPLES SHALL BE PLACED
12" APART ACROSS THE WIDTH.



EXCELSIOR BUTT SEAM

** REFER TO SE&SC MANUAL
CHAPTER 3.9 FOR WHERE THIS
TREATMENT IS TO BE USED.

A1 TOPSOIL STABILIZATION MATTING

NTS

US Army Corps of Engineers®

MARK	DESCRIPTION	APPR.	DATE

DESIGNED BY: R. HOLMBERG
DRAWN BY: B. SAYLOR
CHECKED BY: L. WEILBAKER
SUBMITTED BY: SARA O'LEARY
SIZE: ANSI D
ISSUE DATE: JULY 2016
SOLICITATION NO.:
CONTRACT NO.:
DRAWING CODE: F-211-10-14

U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

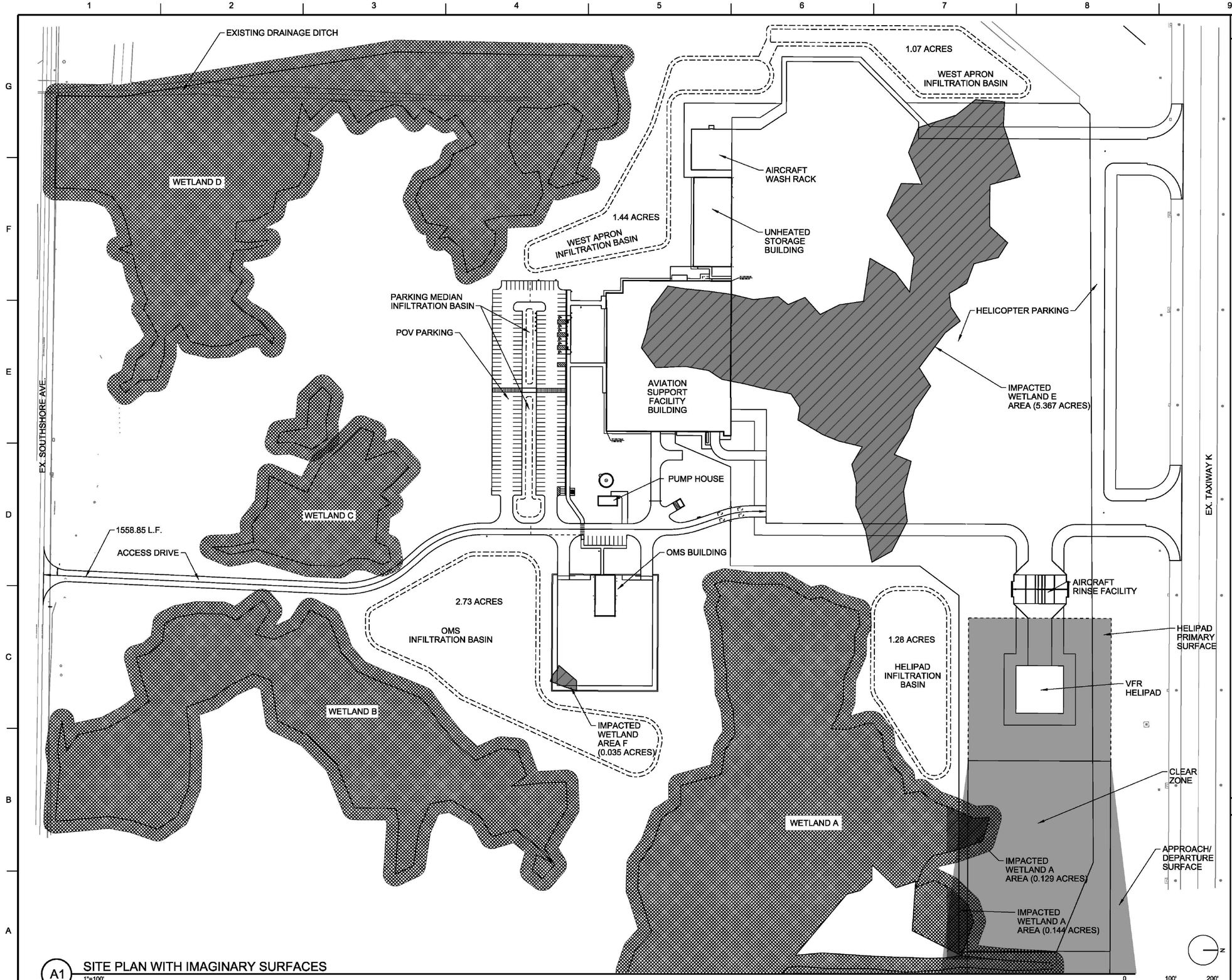
MACDILL AFB, FLORIDA
AR CENTER / AVIATION SUPPORT FACILITY
PN 88613 FY2016 P2 449827

EROSION CONTROL DETAILS
AVIATION SUPPORT FACILITY

SHEET ID
ASF
GC502

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FINAL SUBMITTAL



A1 SITE PLAN WITH IMAGINARY SURFACES
1"=100'

GENERAL SHEET NOTES

NOTES:

1. PROJECT AREA BOUNDARY IS 55.7 ACRES.
2. WETLAND AREAS E AND F TO BE FILLED. TOTAL WETLAND IMPACT IS 5.675 ACRES.
3. TOTAL FILL IN IMPACTED WETLANDS IS 20,333 CUBIC YARDS.
4. TOTAL WETLANDS ON AND ADJACENT TO THE SITE, INCLUDING IMPACTED WETLANDS IS 32.48 ACRES.
5. THE CONTRACTOR SHALL SUBMIT A PROJECT SCHEDULE FOR APPROVAL. GENERALLY, THE CONSTRUCTION SEQUENCE SHALL BE AS FOLLOWS:
   1. BEGIN WETLANDS MITIGATION CONSTRUCTION
   2. INSTALL EROSION CONTROL MEASURES AT BOTH SITES
   3. DEMOLISH EXISTING SKEET RANGE AND GRENADE RANGE STRUCTURES
   4. CLEAR AND GRUB BOTH SITES
   5. BEGIN CONSTRUCTION OF NEW SKEET RANGE
   6. BEGIN CONSTRUCTION OF NEW ASF FACILITY

LEGEND

- LIMITS OF CONSTRUCTION
- IMPACTED WETLAND
- WETLAND AREA INCLUDES 25' BUFFER
- DELINEATED WETLANDS OUTLINE

US Army Corps of Engineers®

MARK	DESCRIPTION	APPR	DATE
RAI-1	REVISIONS FOR ADDITIONAL IMPACTED WETLANDS AND RAI-1		FEB 2017

DESIGNED BY: S. THIBAUDEAU
DRAWN BY: B. SAYLOR
CHECKED BY: J. TOE
SUBMITTED BY: SARA O'LEARY
SIZE: ANSI D
ISSUE DATE: JAN 2017
SOLICITATION NO.:
CONTRACT NO.:
DRAWING CODE: F-211-10-14

U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
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in-house IHDT design team

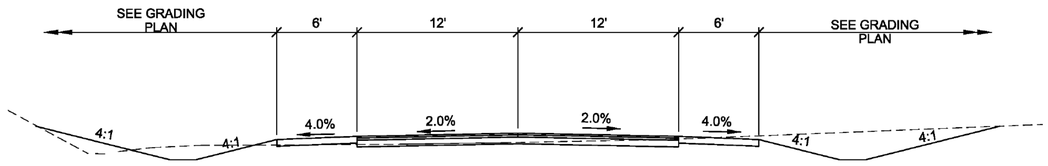
MACDILL AFB, FLORIDA
AR CENTER / AVIATION SUPPORT FACILITY
PN 88813 FY2016 P2 449827

SITE PLAN WITH IMAGINARY SURFACES
AVIATION SUPPORT FACILITY

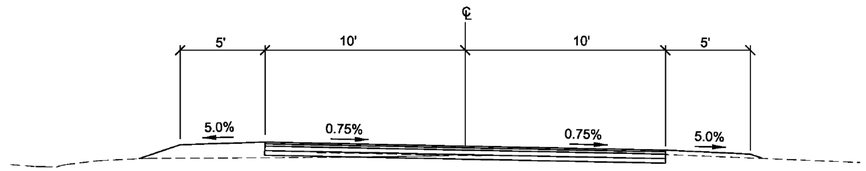
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PI101

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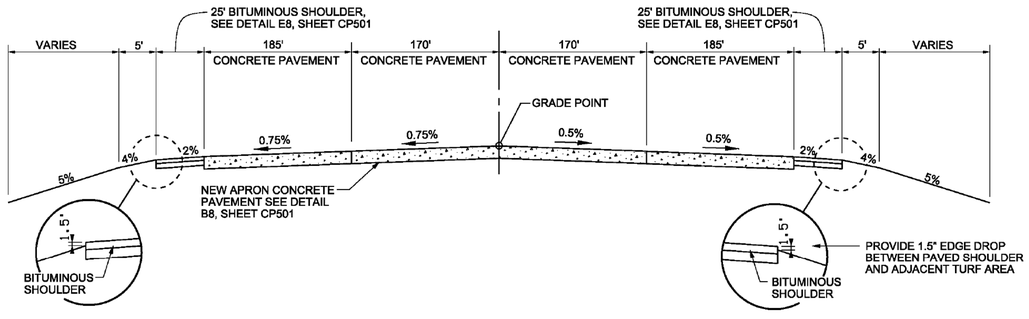
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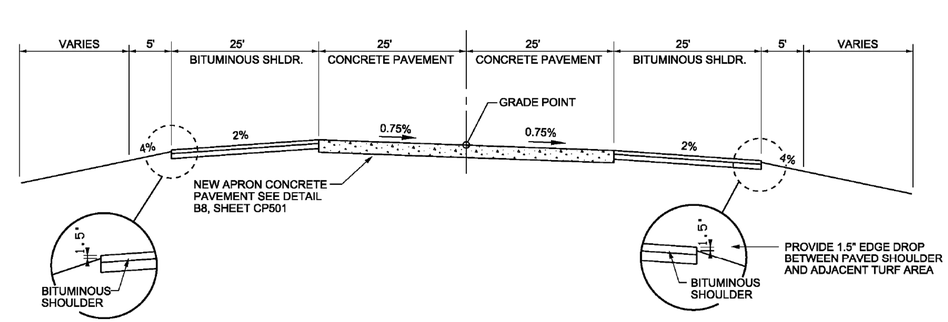
E1 TYPICAL SECTION - ACCESS DRIVE
N.T.S.



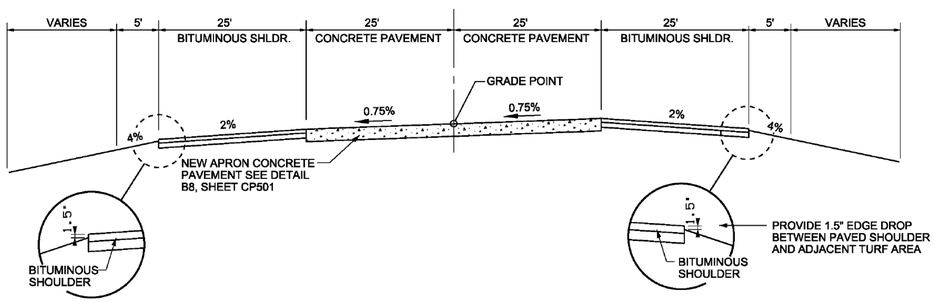
E6 TYPICAL SECTION - APRON ACCESS
N.T.S.



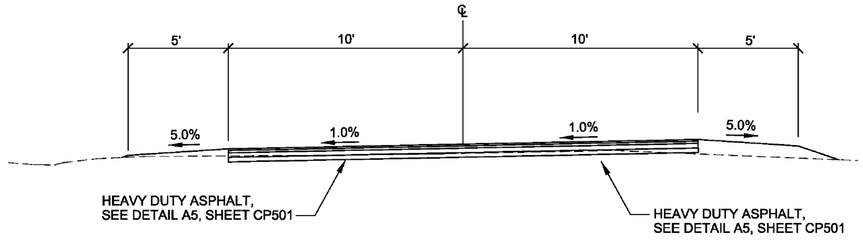
C1 TYPICAL SECTION - APRON CENTERLINE
N.T.S.



C6 TYPICAL SECTION - APRON EAST ENTRANCE
N.T.S.



A1 TYPICAL SECTION - APRON WEST ENTRANCE
N.T.S.



A6 TYPICAL SECTION - ASF DRIVE
N.T.S.

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DESIGNED BY: S. THIBAUDEAU
DRAWN BY: B. SAYLOR
CHECKED BY: J. TOE
SUBMITTED BY: MIKE O'LEARY
SIZE: ANSI D
ISSUE DATE: JULY 2016
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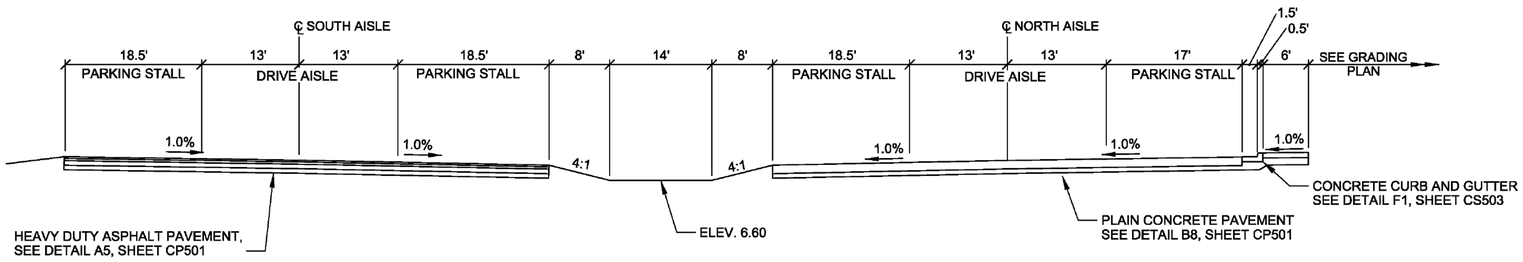
U.S. ARMY CORPS OF ENGINEERS
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600 DR. MARTIN LUTHER KING JR. PLACE
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in-house IHDT design team

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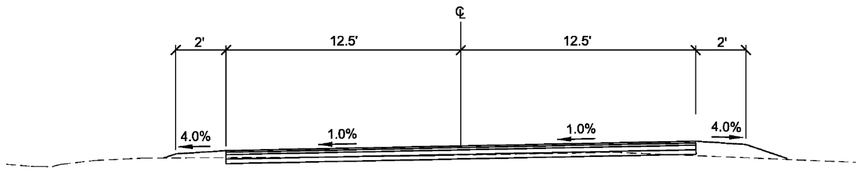
TYPICAL SECTIONS
AVIATION SUPPORT FACILITY

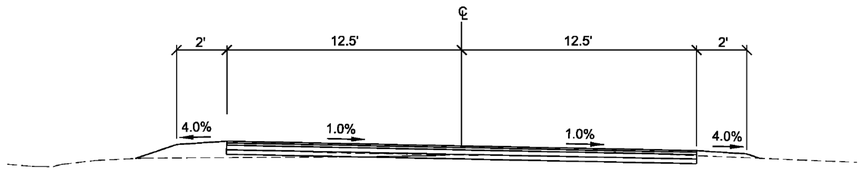
SHEET ID
ASF
CG501



E1 TYPICAL SECTION - POV PARKING

N.T.S.



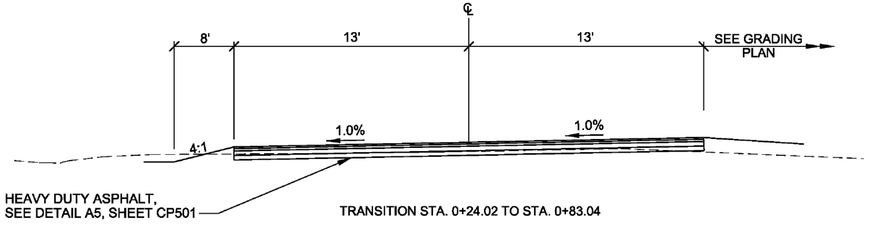


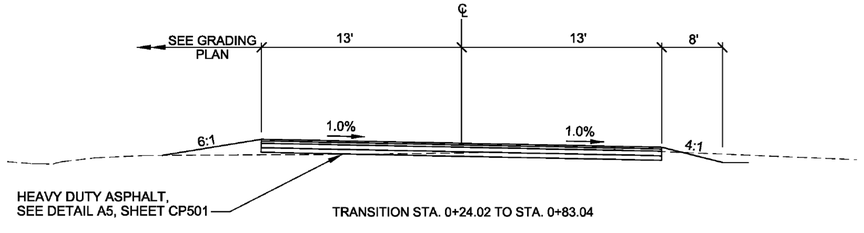
C1 TYPICAL SECTION - OMS SOUTH DRIVE

N.T.S.

C6 TYPICAL SECTION - OMS NORTH DRIVE

N.T.S.





A1 TYPICAL SECTION - NORTH AISLE

N.T.S.

A6 TYPICAL SECTION - SOUTH AISLE

N.T.S.

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MARK	DESCRIPTION	APPR.	DATE

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DRAWN BY: B. SAYLOR
CHECKED BY: J. TOE
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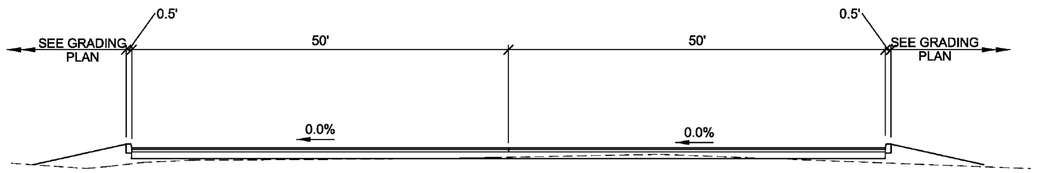
U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

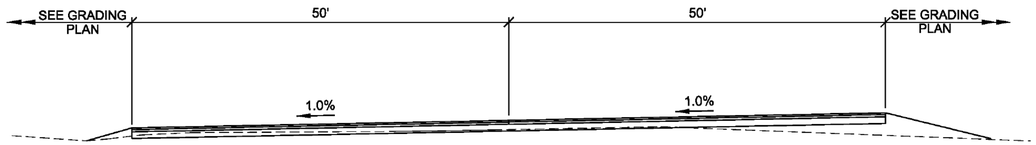
MACDILL AFB, FLORIDA
AR CENTER / AVIATION SUPPORT FACILITY
PN 85813 FY2016 P2 449827

MISCELLANEOUS DETAILS 1 OF 2
AVIATION SUPPORT FACILITY

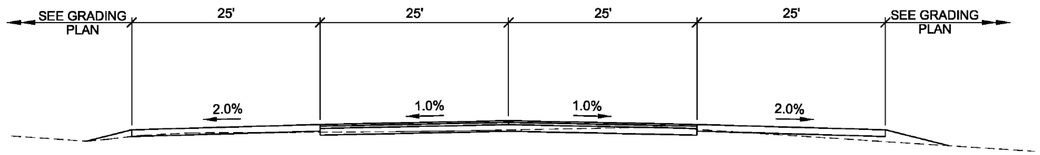
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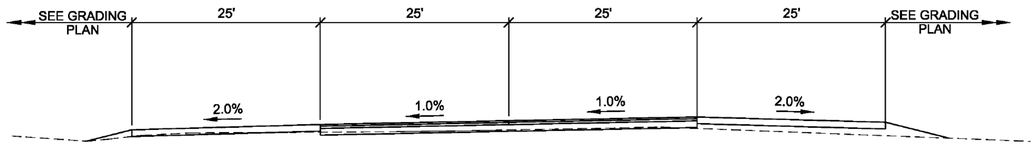
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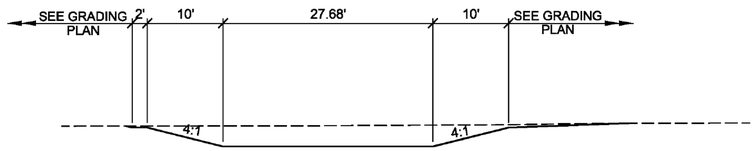
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TRANSITION STA. 1+80.00 - STA. 2+00.00

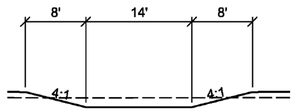
E1 TYPCIAL SECTION - HELIPAD TAXIWAY

NTS



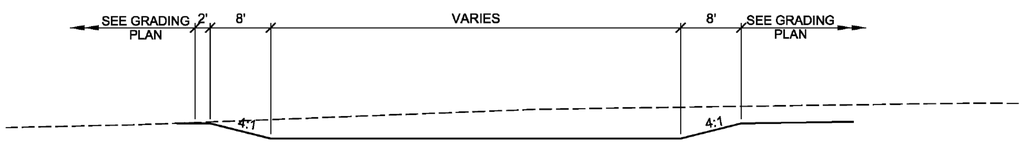
C1 TYPICAL SECTION - OMS STORAGE BASIN

N.T.S.



C7 TYPICAL SECTION - PARKING MEDIAN

NTS



A1 TYPICAL SECTION - HELIPAD BASIN

N.T.S.



A6 TYPICAL SECTION - WEST APRON STORAGE BASIN

N.T.S.

US Army Corps of Engineers®

MARK	DESCRIPTION	APPR.	DATE

ISSUE DATE: JULY 2016
SOLICITATION NO.:
CONTRACT NO.:
DRAWING CODE: F-211-10-14

DESIGNED BY: S. THIBAUDEAU
DRAWN BY: B. SAYLOR
CHECKED BY: J. TOE
SUBMITTED BY: SARA O'LEARY
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

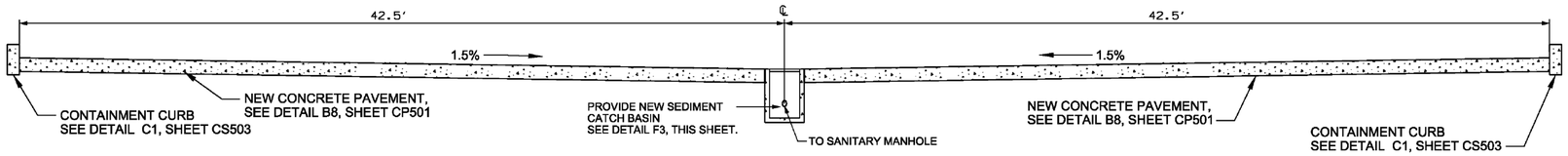
MACDILL AFB, FLORIDA
AR CENTER / AVIATION SUPPORT FACILITY
PN 88813 FY2016 P2 449827

MISCELLANEOUS DETAILS 2 OF 2
AVIATION SUPPORT FACILITY

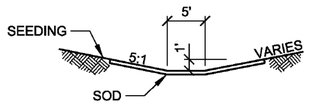
SHEET ID
ASF
CG503

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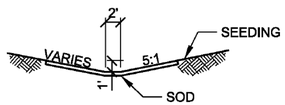


F1 NEW CONCRETE WASH RACK - SECTION
N.T.S.



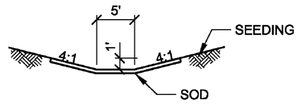
LOOKING DOWNSTREAM

D1 DITCH 1 (NORTH OF OMS)
N.T.S.

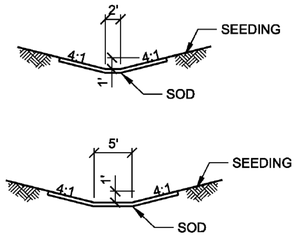


LOOKING DOWNSTREAM

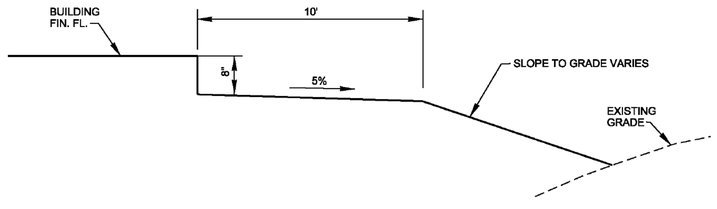
D3 DITCH 2 (TAXIWAY TO BASIN)
N.T.S.



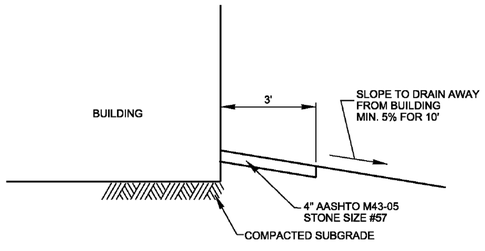
D6 DITCH 3 (BETWEEN BASINS)
N.T.S.



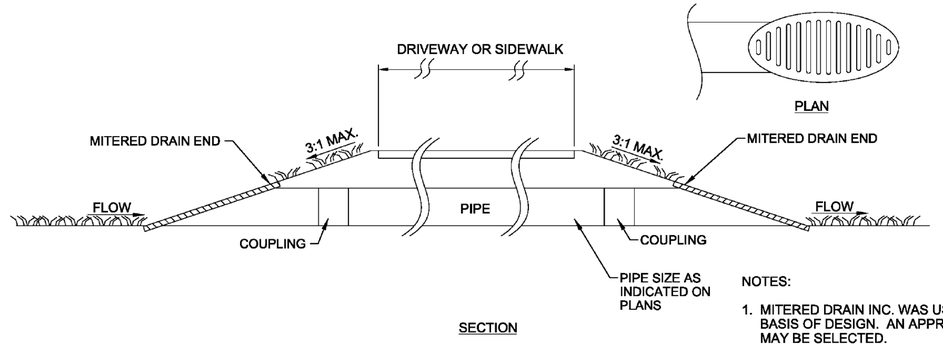
D8 ENTRANCE ROAD DITCHES
N.T.S.



B1 BUILDING GRADE
NTS



A1 GRAVEL PAD AROUND BUILDING
NTS



NOTES:

1. MITERED DRAIN INC. WAS USED FOR THE BASIS OF DESIGN. AN APPROVED ALTERNATIVE MAY BE SELECTED.
2. MATERIALS AND INSTALLATION SHALL BE PER THE MANUFACTURER'S RECOMMENDATIONS AND COMPATIBLE WITH THE SIZE AND TYPE OF PIPE SERVED.

A5 MITERED DRAIN END
N.T.S.

US Army Corps of Engineers®

MARK	DESCRIPTION	APPR	DATE

DESIGNED BY: S. THIBAUDEAU
DRAWN BY: B. SAYLOR
CHECKED BY: J. TOE
SUBMITTED BY: KYLE O'LEARY
SIZE: ANSI D
ISSUE DATE: JULY 2016
SOLICITATION NO.:
CONTRACT NO.:
DRAWING CODE: F-211-10-14

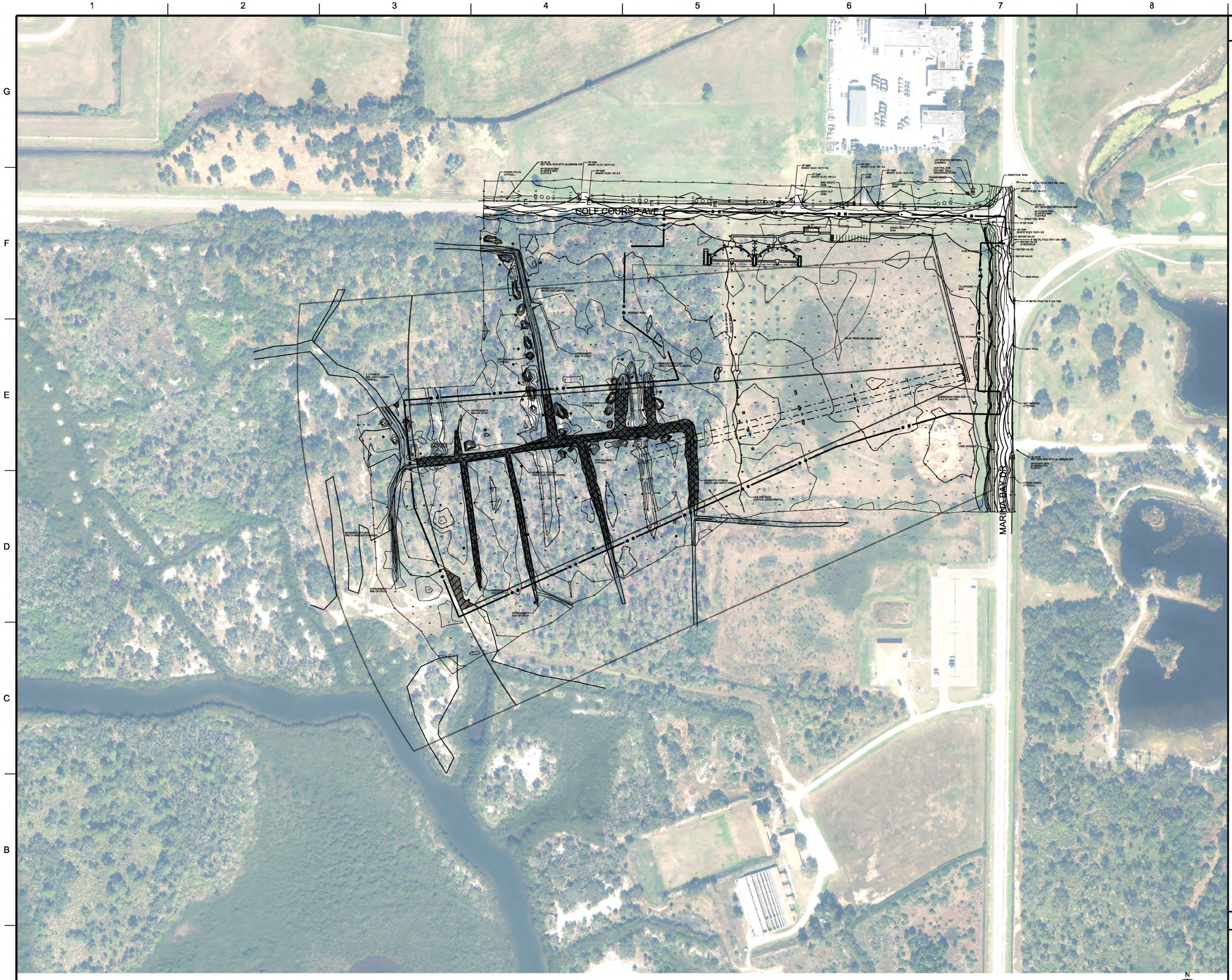
U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

MACDILL AFB, FLORIDA
AR CENTER / AVIATION SUPPORT FACILITY
PN 65813 FY2016 P2 449827

DRAINAGE DETAILS
AVIATION SUPPORT FACILITY

SHEET ID
ASF
CG504



A1 AERIAL PHOTOGRAPH
1"=150'

GENERAL SHEET NOTES

LEGEND

CONTRACTOR WORK LIMITS

US Army Corps of Engineers®

MARK	DESCRIPTION	APPR.	DATE

ISSUE DATE: JULY 2016
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CONTRACT NO.:
DRAWING CODE: F-211-10-14

DESIGNED BY: S. THIBAUDEAU
DRAWN BY: B. SAYLOR
CHECKED BY: J. TOE
SUBMITTED BY: TIM O'LEARY
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

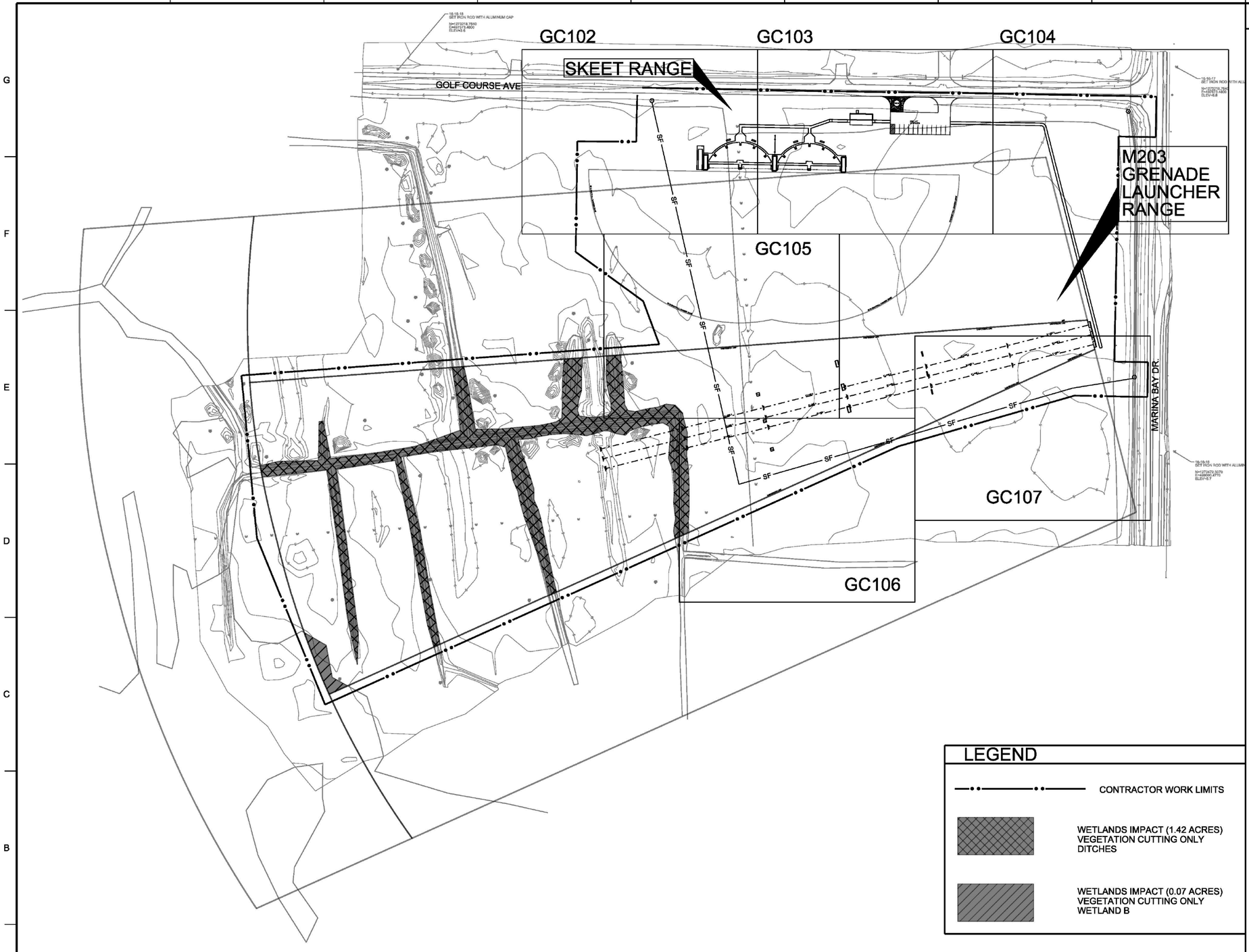
MACDILL AFB, FLORIDA
AR CENTER / AVIATION SUPPORT FACILITY
PN 85813 FY2016 F2 449827

AERIAL PHOTOGRAPH
SKEET / GRENADE RANGE

SHEET ID
SGR
VA101

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FINAL SUBMITTAL



GENERAL SHEET NOTES

1 THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER SEVEN (7) DAYS BEFORE COMMENCING ANY LAND DISTURBING ACTIVITY, AND SHALL BE REQUIRED TO HOLD A PRE- CONSTRUCTION MEETING BETWEEN PROJECT REPRESENTATIVES AND A REPRESENTATIVE OF THE CONTRACTING OFFICER.

2 THE CONTRACTOR MUST NOTIFY THE CONTRACTING OFFICER IN WRITING AND BY TELEPHONE AT THE FOLLOWING POINTS:

A. THE REQUIRED PRE- CONSTRUCTION MEETING.
B. FOLLOWING INSTALLATION OF SEDIMENT CONTROL MEASURES.
C. DURING THE INSTALLATION OF SEDIMENT BASINS (TO BE CONVERTED INTO PERMANENT BIORETENTION AREAS.)
D. PRIOR TO REMOVAL OR MODIFICATION OF ANY SEDIMENT CONTROL STRUCTURE(S).
E. PRIOR TO REMOVAL OF ALL SEDIMENT CONTROL DEVICES.
F. PRIOR TO FINAL ACCEPTANCE.

3 THE CONTRACTOR SHALL CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES PER THE APPROVED PLAN AND, SHALL HAVE THEM INSPECTED AND APPROVED BY THE CONTRACTING OFFICER PRIOR TO BEGINNING ANY OTHER LAND DISTURBANCES. MINOR SEDIMENT CONTROL DEVICE LOCATION ADJUSTMENTS MAY BE MADE IN THE FIELD WITH THE APPROVAL OF THE CONTRACTING OFFICER. THE CONTRACTOR SHALL ENSURE THAT ALL RUNOFF FROM DISTURBED AREAS IS DIRECTED TO THE SEDIMENT CONTROL MEASURE WITHOUT PRIOR PERMISSION FROM THE CONTRACTING OFFICER. THE CONTRACTOR MUST OBTAIN PRIOR APPROVAL FOR CHANGES TO THE SEDIMENT CONTROL PLAN.

4 THE CONTRACTOR SHALL PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT THE DEPOSITION OF MATERIALS ONTO PUBLIC ROADS. ALL MATERIALS DEPOSITED ONTO PUBLIC ROADS SHALL BE REMOVED IMMEDIATELY.

5 THE CONTRACTOR SHALL INSPECT ALL CONTROLS IN ACCORDANCE WITH THE INSPECTION AND MAINTENANCE REQUIREMENTS AND MAINTAIN ALL CONTROLS IN AN EFFECTIVE OPERATING CONDITION UNTIL SUCH TIMES AS THEY ARE REMOVED WITH PRIOR PERMISSION FROM THE CONTRACTING OFFICER.

6 THE CONTRACTOR SHALL APPLY SOD OR SEED AND ANCHORED STRAW MULCH, OR OTHER APPROVED STABILIZATION MEASURES TO ALL DISTURBED AREAS AND STOCKPILES IMMEDIATELY AFTER STRIPPING AND GRADING ACTIVITIES HAVE CEASED IN THE AREA. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION.

7 PERMANENT SWALES OR OTHER POINTS OF CONCENTRATED WATER FLOW SHALL BE STABILIZED WITH SOD, OR SEED WITH AN APPROVED EROSION CONTROL MATTING, RIPRAP OR BY OTHER APPROVED STABILIZATION MEASURES.

8 TEMPORARY SEDIMENT CONTROL DEVICES MAY BE REMOVED, WITH PERMISSION OF THE CONTRACTING OFFICER, WITHIN THIRTY (30) CALENDAR DAYS FOLLOWING ESTABLISHMENT OF PERMANENT STABILIZATION IN ALL CONTRIBUTARY DRAINAGE AREAS.

9 FOR FINISHED GRADING, THE CONTRACTOR SHALL PROVIDE ADEQUATE GRADIENTS SO AS TO: PREVENT WATER FROM STANDING ON THE SURFACE MORE THAN TWENTY FOUR (24) HOURS AFTER THE END OF A RAINFALL EXCEPT IN DESIGNATED DRAINAGE COURSES AND SWALE FLOW AREAS WHICH MAY DRAIN AS LONG AS FORTY-EIGHT (48) HOURS AFTER THE END OF A RAINFALL, AREAS DESIGNED TO HAVE STANDING WATER SHALL NOT BE REQUIRED TO MEET THIS REQUIREMENT.

10 TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH PROJECT PLANS. IN ADDITION, SIMILAR MEASURES SHALL BE INSTALLED WHERE AND WHEN FIELD CONDITIONS, OR FIELD OPERATIONS OF THE INDIVIDUAL SITE CONTRACTOR MAY WARRANT. ALL TEMPORARY EROSION CONTROL MEASURES USED SHALL BE PERIODICALLY INSPECTED, CLEANED, MAINTAINED AND OTHERWISE KEPT IN AN EFFECTIVE OPERATIONAL MANNER THROUGHOUT THE CONSTRUCTION PERIOD.

11 ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE NPDES PROGRAM AND APPROVED SWPPP.

12 TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE PERMANENT VEGETATION HAS BEEN ESTABLISHED AND ACCEPTED BY THE CONTRACTING OFFICER'S REPRESENTATIVE.

LEGEND

CONTRACTOR WORK LIMITS

WETLANDS IMPACT (1.42 ACRES) VEGETATION CUTTING ONLY DITCHES

WETLANDS IMPACT (0.07 ACRES) VEGETATION CUTTING ONLY WETLAND B

N

0 100' 200'

A1 OVERALL EROSION CONTROL PLAN - SGR
1"=100'

US Army Corps of Engineers®

MARK	DESCRIPTION	APPR.	DATE

DESIGNED BY: S. THIBAUDEAU
DRAWN BY: B. SAYLOR
CHECKED BY: J. TOE
SUBMITTED BY: SUZIE O'LEARY
SIZE: ANSI D
ISSUE DATE: JULY 2016
SOLICITATION NO.:
CONTRACT NO.:
DRAWING CODE: F-211-10-14

U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

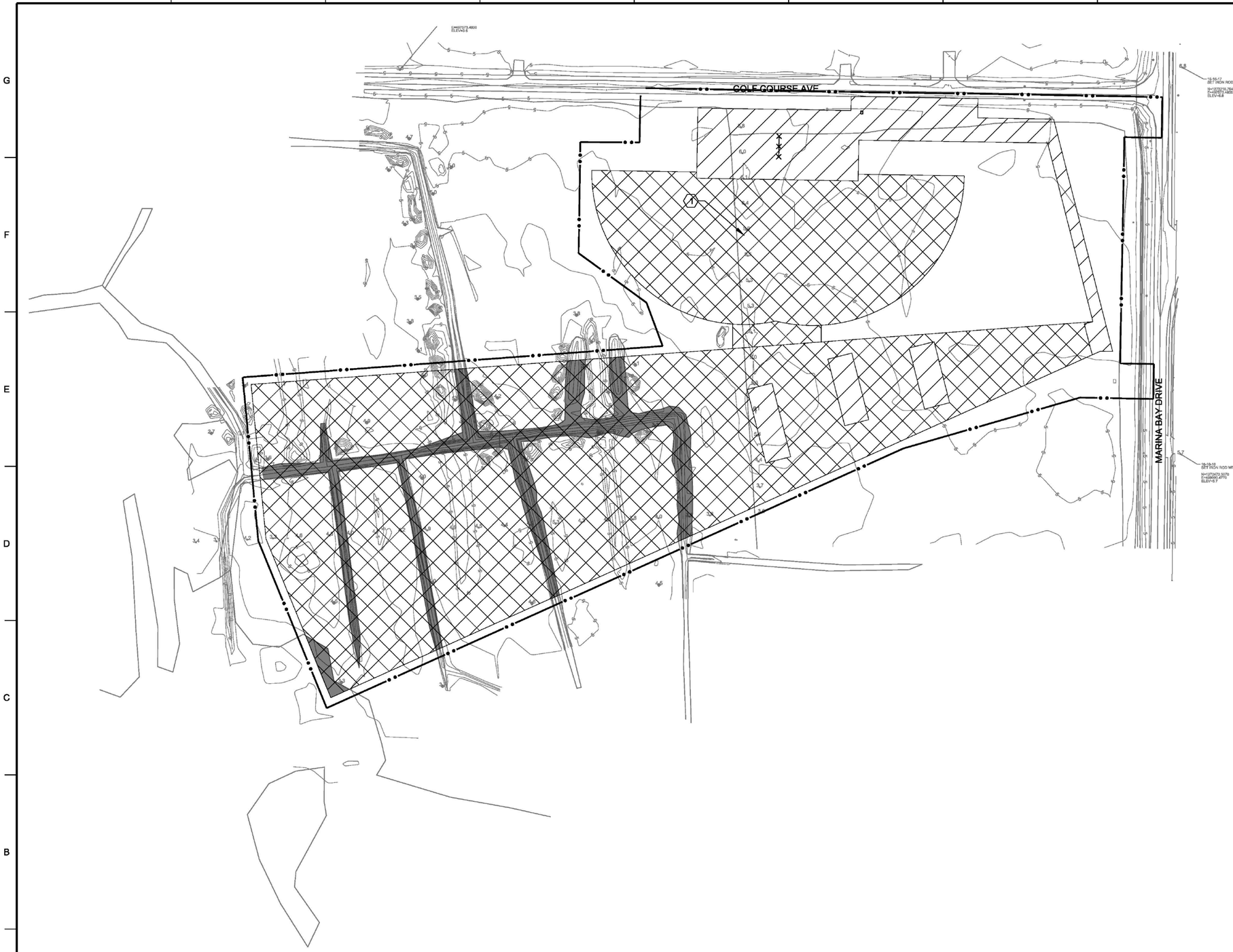
MACDILL AFB, FLORIDA
AR CENTER / AVIATION SUPPORT FACILITY
PN 88813 FY2016 P2 449827

OVERALL EROSION CONTROL PLAN
SKEET / GRENADE RANGE

SHEET ID
SGR
GC101

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FINAL SUBMITTAL



GENERAL SHEET NOTES

1. CLEARING AND GRUBBING AREAS TOTAL 19.0 ACRES.

SHEET KEYNOTES

1. APPROXIMATELY 60 TREES TO BE REMOVED AND RELOCATED. SEE LANDSCAPE SHEETS FOR NEW LOCATIONS.

LEGEND

- CLEARING
- CLEARING AND GRUBBING
- TREES TO BE REMOVED
- CONTRACTOR WORK LIMITS
- WETLANDS IMPACT (1.42 ACRES) VEGETATION CUTTING ONLY DITCHES
- WETLANDS IMPACT (0.07 ACRES) VEGETATION CUTTING ONLY WETLAND B

A1 OVERALL SITE PLAN - SGR
1"=100'

N

0 100' 200'

US Army Corps of Engineers®

MARK	DESCRIPTION	APPR.	DATE

DESIGNED BY: S. THIBAUDEAU
DRAWN BY: B. SAYLOR
CHECKED BY: J. TOE
SUBMITTED BY: DIANA O'LEARY
SIZE: ANSI D
ISSUE DATE: JULY 2016
SOLICITATION NO.:
CONTRACT NO.:
DRAWING CODE: F-211-10-14

U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING, JR. PLACE
LOUISVILLE, KY 40202

in-house IHDT design team

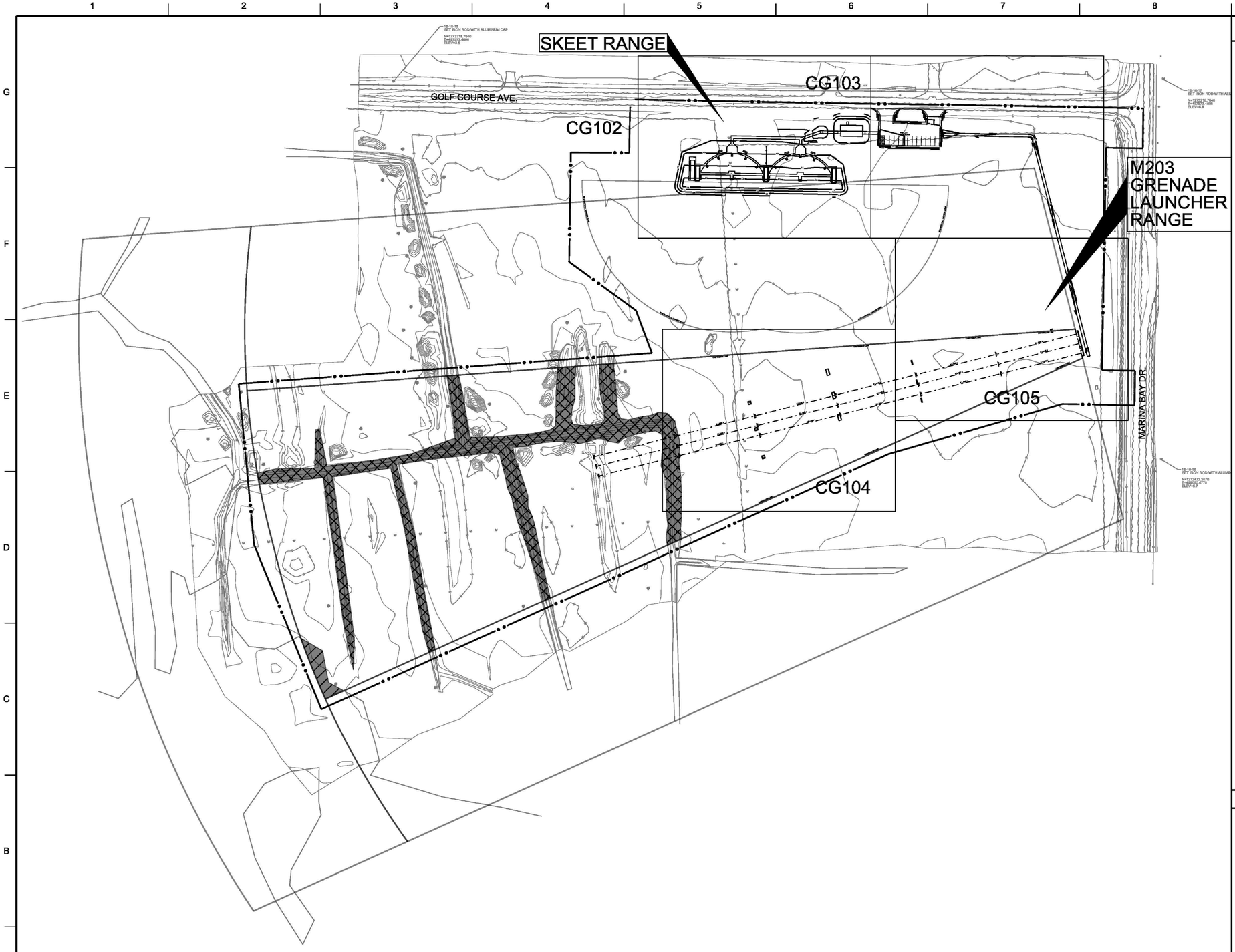
MACDILL AFB, FLORIDA
AR CENTER / AVIATION SUPPORT FACILITY
PN 85813 FY2016 P2 449827

DEMOLITION PLAN
SKEET / GRENADE RANGE

SHEET ID
SGR
CD101

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FINAL SUBMITTAL



GENERAL SHEET NOTES

1. UNLESS OTHERWISE NOTED, ALL DISTURBED AREAS TO BE SEEDED PER SPECIFICATIONS.
2. CONTOUR INTERVAL IS 1 FT.
3. SPOT ELEVATION INDICATED AT PAVEMENT EDGE OR PAVEMENT SWALE.
4. SEE SHEETS CG201 THROUGH CG205 FOR VERTICAL ALIGNMENT PROFILES.
5. SEE SHEET CG501 FOR TYPICAL SECTIONS.

LEGEND

CONTRACTOR WORK LIMITS

WETLANDS IMPACT (1.42 ACRES)
VEGETATION CUTTING ONLY
DITCHES

WETLANDS IMPACT (0.07 ACRES)
VEGETATION CUTTING ONLY
WETLAND B

A1 OVERALL GRADING PLAN - SGR
1"=100'

US Army Corps of Engineers®

MARK	DESCRIPTION	APPR.	DATE

DESIGNED BY: S. THIBAUDEAU
DRAWN BY: B. SAYLOR
CHECKED BY: J. TOE
SUBMITTED BY: MIKE O'LEARY
SIZE: ANSI D
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OVERALL GRADING PLAN
SKEET / GRENADE RANGE

SHEET ID
SGR
CG101

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