CIVIL LEGEND

- APPROXIMATE LIMITS OF WORK
- REMOVE UTILITY LINE
- SWALE
- CONSTRUCTION FENCE
- SAWCUT LINE
- REMOVE BUILDING, FOUNDATIONS & SLABS
- REMOVE ASPHALT PAVEMENT
- REMOVE CONCRETE PAVEMENT
- REMOVE STRUCTURE
- RELOCATE ECO BLOCKS AND WHEEL STOPS
- FILTER FABRIC FENCE
- CB PROTECTION
- STRAW WATTLE/ COMPOST SOCK
- CONSTRUCTION ENTRANCE
- SOLID YELLOW TAXI STRIPE
- SOLID DOUBLE YELLOW STRIPE
- CONTRACTION JOINT
- THICKENED EDGE
- ISOLATION JOINT
- CONSTRUCTION JOINT
- R — REINFORCED CONCRETE PANEL
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- BIODEGRADABLE EROSION CONTROL BLANKET
- SAWCUT LINE
- CONCRETE SIDEWALK
- GRASS FILTER STRIP
- BOLLARD
- CATCH BASIN TYPE 2, W/ GRATE INLET
- GRATE INLET W/ FLOW SPLITTER ASSEMBLY
- GRATE INLET W/FLOW SPLITTER ASSEMBLY
- CPS VAULT
- CATCH BASIN TYPE 2 W/ SOLID COVER
- SD — STORM DRAIN W/ FLOW
- X.X — SPOT ELEVATION
- 11 — FINISH GRADE CONTOUR
- RIDGELINE
- 2% — SLOPE
- QUARRY SPALLS
- RINSE RACK TRENCH DRAIN
- CB TYPE 1
- CB TYPE 1L
- CLEANOUT
- CB TYPE 2
- FD — FOUNDATION DRAIN LINE
- RD — ROOF DRAIN LINE
- FLOW DIRECTION
- DS — DOWNSPOUTS
- W — WATER LINE
- FM — SANITARY SEWER FORCEMAIN W/ FLOW
- G — GAS SERVICE LINE
- SS — SANITARY SEWER SERVICE LINE
- GAS METER – BY MECHANICAL
- FIRE HYDRANT ASSEMBLY
- GATE VALVE
- BALL VALVE
- TEE W/ THRUST BLOCK
- THRUST BLOCK
- REDUCER

SYMBOL	DESCRIPTION
PLAN, SCALE: 1"=20; PROJECT NORTH; TRUE NORTH	NORTH ARROW SYMBOL
A1 / 123; SECTION ID#; SHEET(S) WHERE SECTION IS LOCATED	SECTION TAG
A1 / C-000; DETAIL ID#; SHEET WHERE DETAIL IS LOCATED	DETAIL CALLOUT
1 / C-000; PARTIAL ID#; SHEET WHERE PLAN IS LOCATED	PARTIAL PLAN CALLOUT
1" = 20'; 0, 20, 40, 60; SCALE IN FEET	GRAPHIC SCALE
DETAIL, SCALE: C-123; A1	DETAIL VIEW

CIVIL ABBREVIATION

ACP	ASPHALT CONCRETE PAVEMENT	IAW	IN ACCORDANCE WITH
AD	AREA DRAIN	IE	INVERT OF CHANNEL OR PIPE
AWG	AMERICAN WIRE GAUGE	LT	OFFSET LEFT FROM BASELINE
BLDG	BUILDING	MIN	MINIMUM
BMP	BEST MANAGEMENT PRACTICE	MAX	MAXIMUM
CB	CATCH BASIN	NTS	NOT TO SCALE
CDF	CONTROLLED DENSITY FILL	PCC	PORTLAND CEMENT CONCRETE
CI	CAST IRON	PIV	POST INDICATOR VALVE
CL OR ℄	CENTERLINE	PROP	PROPOSED
CLR	CLEAR	R	RADIUS
CMP	CORRUGATED METAL PIPE	RCP	REINFORCED CONCRETE PIPE
CO	CLEANOUT	RT	OFFSET RIGHT FROM BASELINE
COMM	COMMUNICATION	SD	STORM DRAIN
CPS	COALESCING PLATE OIL/WATER SEPARATOR	SDMH	STORM DRAIN MANHOLE
		SEF	SUPPORT EQUIPMENT FACILITY
DI	DUCTILE IRON	SHT	SHEET
DIA	DIAMETER	SS	SANITARY SEWER
DS	DOWNSPOUT	SSMH	SANITARY SEWER MANHOLE
FFE	FINISH FLOOR ELEVATION	STA	STATION NUMBER
FHA	FIRE HYDRANT ASSEMBLY	T	THICKNESS
FLED	FLIGHT LINE ELECTRICAL DISTRIBUTION	T.E.S.C.	TEMPORARY EROSION AND SEDIMENT CONTROL
FM	FORCE MAIN	TP	TEST PIT/ POT HOLE
FS	FIRE SERVICE	TYP	TYPICAL
FT	FEET	UON	UNLESS OTHERWISE NOTED
EX	EXISTING	W	WATER
G	NATURAL GAS	W/	WITH

SURVEY NOTES:

HORIZONTAL DATUM: NASWI AULT FIELD BASE DATUM

VERTICAL DATUM: NASWI AULT FIELD BASE DATUM

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

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BRANCH MANAGER

CHIEF ENG/ARCH

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DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
NAVAL FACILITIES ENGINEERING COMMAND
AULT FIELD – OAK HARBOR, WA
NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

CIVIL LEGEND & ABBREVIATIONS

SCALE: AS SHOWN

EPROJECT NO.

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030303

SHEET 49 OF 302

C-001

DRAWFORM REVISION: 10 MARCH 2009

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SYM	DESCRIPTION	DATE	APPR

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ACTIVITY
NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD - OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA
FY-15 MCON PROJECT P-259 P-8A AIRCRAFT
APRON EXPANSION - PART A

CIVIL DRAWING INDEX

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO.
N44255-15-C-6003

NAVFAC DRAWING NO.
16030304

SHEET 50 OF 302

C-002

DRAWFORM REVISION: 10 MARCH 2009

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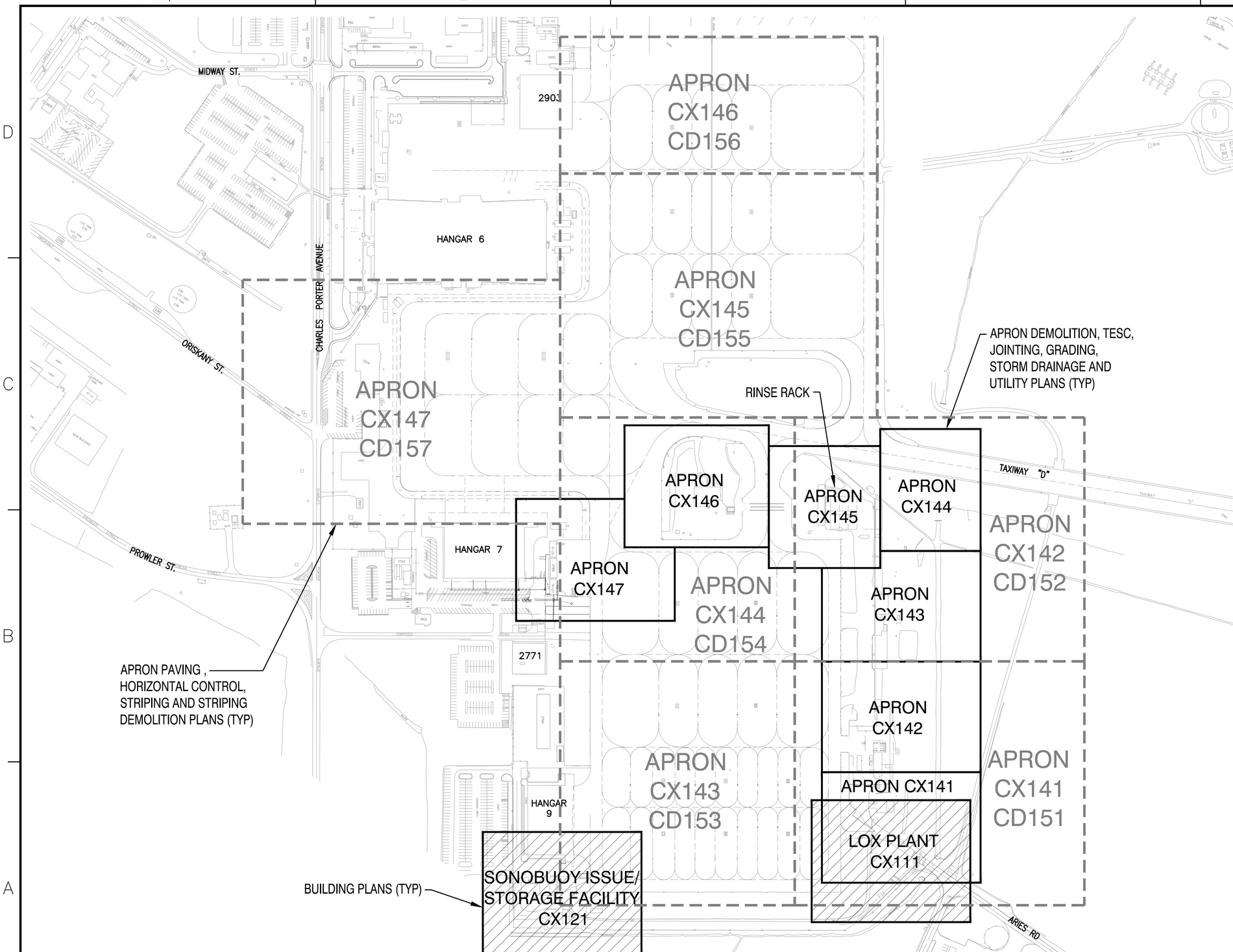

OVERALL KEY PLAN

SCALE: 1"=150'

1" = 150'

0 150 300 450

SCALE IN FEET

DRAWING NUMBER ID

CX14X

- SHEET SEQUENCE IDENTIFIER
- 1 = LOX PLANT
  2 = SONOBUOY
  4 = APRON
  5 = APRON STRIPING DEMO
- SHEET TYPE
  0 = GENERAL
  1 = PLAN
  2 = PROFILES
  3 = SECTIONS
  4 = LARGE SCALE VIEWS
  5 = DETAILS
- D=DEMO
  E=TESC
  S=SITE PLAN
  P=PAVING
  J=CONCRETE JOINTING
  G=GRADING & STORM DRAINAGE
  U=UTILITY
- SHEET DISCIPLINE DESIGNATOR

SYM	DESCRIPTION	DATE	APPR

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ACTIVITY
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BRANCH MANAGER

CHIEF ENG/ARCH

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DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND – NORTHWEST
AULT FIELD – OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT
APRON EXPANSION - PART A

OVERALL KEY PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO.
N44255-15-C-6003

NAVFAC DRAWING NO.
16030305

SHEET 51 OF 302

C-101

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RELOCATE CURB STOPS TO GOVERNMENT STORAGE YARD NEAR BUILDING 2644.

MIDWAY ST.

2903

CHARLES PORTER AVENUE

HANGAR 6

APRON CX146 CD156

APRON CX145 CD155

ORISKANY ST.

APRON CX147 CD157

PROWLER ST.

HANGAR 7

APRON CX146

APRON CX145

APRON CX144

TAXIWAY "D"

APRON CX142 CD152

APRON CX147

APRON CX144 CD154

APRON CX143

2771

APRON CX142

APRON CX143 CD153

APRON CX141

APRON CX141 CD151

HANGAR 9

LOX PLANT CX111

SONOBUOY ISSUE/ STORAGE FACILITY CX121

ARIES RD

FUEL FACILITY

N. KITTY HAWK RD

ARIES ROAD

OLD COLLIE RD

NOTES:

1. COORDINATE PLACEMENT AND SCHEDULE WITH THE CONTRACTING OFFICER.

RELOCATE ECO-BLOCKS TO FORM BARRICADE DURING CONSTRUCTION ALONG TAXIWAY "D", SEE NOTE 1.

DURING DEMOBILIZATION RELOCATE ECO-BLOCKS AS A CONTINUATION OF THE EXISTING ARIES ROAD BARRICADE, SEE NOTE 1.

1" = 200'

0 200 400 600

SCALE IN FEET

DEMOLITION OVERVIEW PLAN

SCALE: 1"=200'

SYM	DESCRIPTION	DATE	APPR

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DAVID E. SCHWARZ, STATE OF WASHINGTON, 25446, REGISTERED PROFESSIONAL ENGINEER, 3/12/15

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DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
AULT FIELD - OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

DEMOLITION OVERVIEW PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030306

SHEET 52 OF 302

CD101

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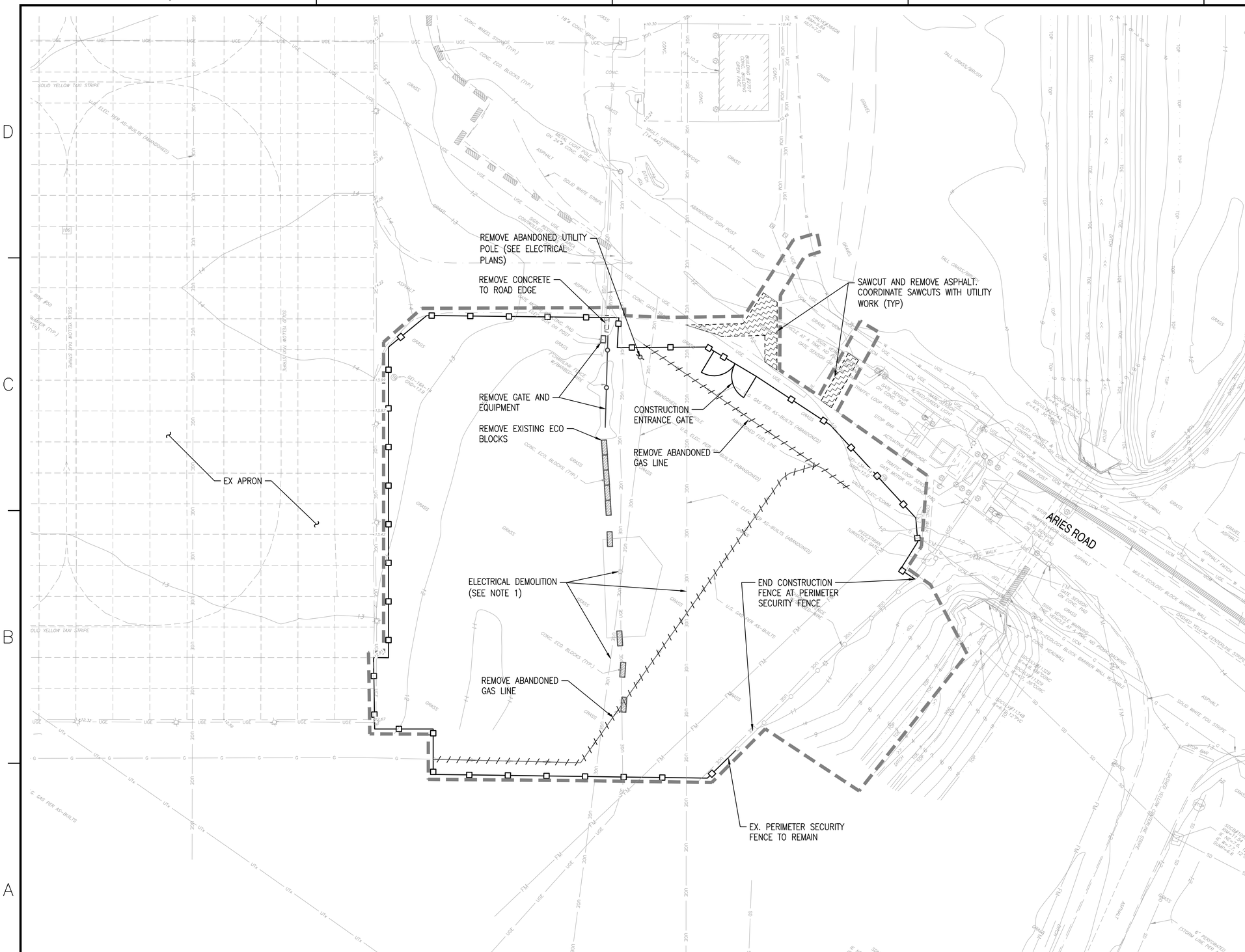
GENERAL NOTES:

1. SEE ELECTRICAL PLANS FOR DEMOLITION OF EX. POWER, COMMUNICATION DUCTS AND VAULTS.
2. ECO-BLOCKS AND CURB STOPS WILL BE RELOCATED PER SHEET CD101.

SHEET LEGEND:

- APPROXIMATE LIMITS OF WORK
- REMOVE UTILITY LINE
- CONSTRUCTION FENCE
- REMOVE ASPHALT PAVEMENT
- REMOVE STRUCTURE
- SAWCUT LINE



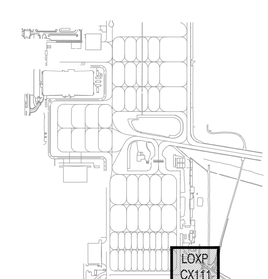
LOX PLANT DEMOLITION PLAN

SCALE: 1"=20'

1" = 20'

0 20 40 60

SCALE IN FEET



KEY PLAN

SCALE: NONE

APPR	DATE	DESCRIPTION	STM

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NAVAL FACILITIES ENGINEERING COMMAND – NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD – OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

LOX PLANT DEMOLITION PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030307

SHEET 53 OF 302

CD111

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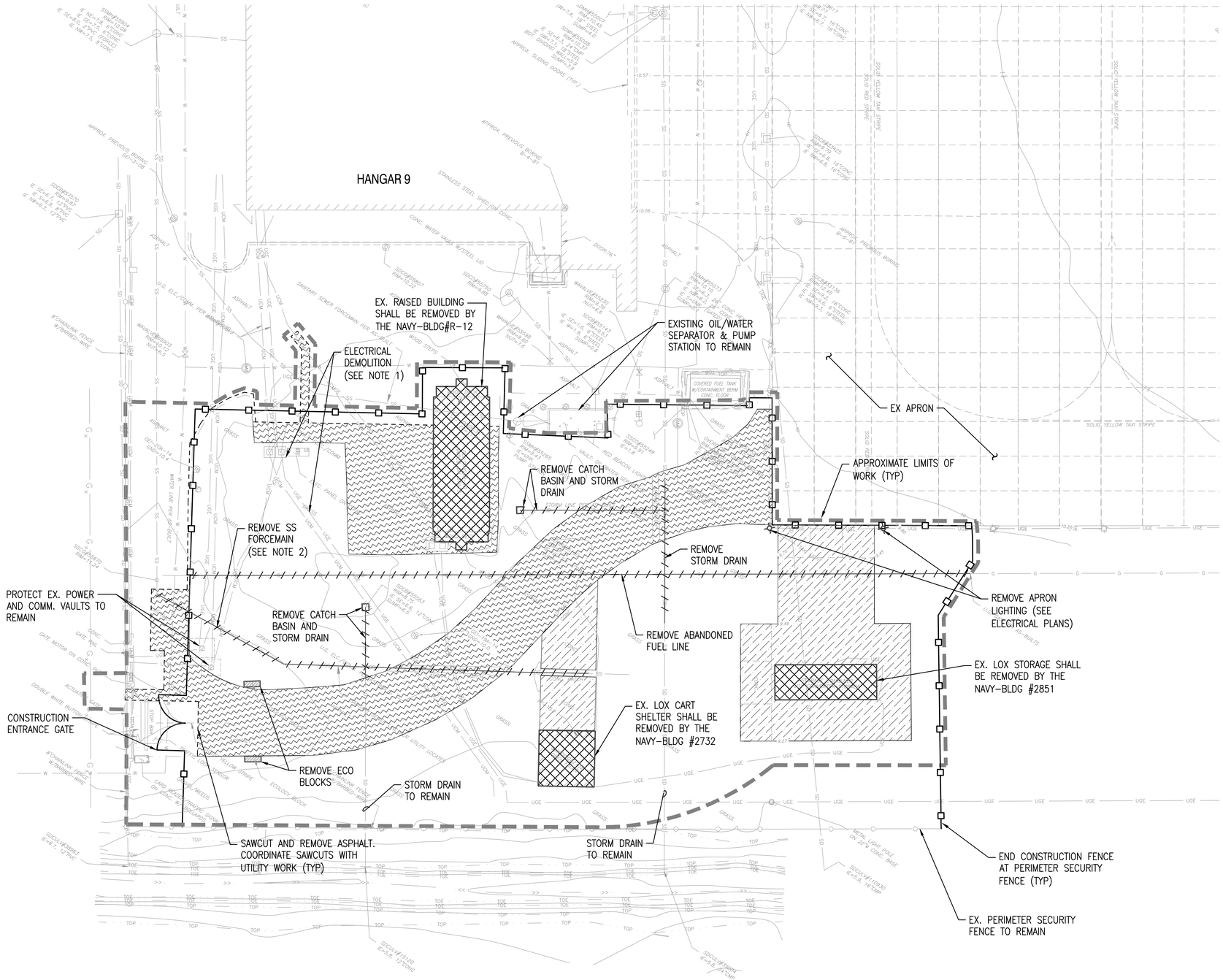


SONOBUOY ISSUE/STORAGE FACILITY DEMOLITION PLAN

SCALE: 1"=20'

GENERAL NOTES:

1. SEE ELECTRICAL PLANS FOR DEMOLITION OF EX. POWER, COMMUNICATION DUCTS AND VAULTS.
2. COORDINATE WITH CONTRACTING OFFICER FOR UTILITY OUTAGE.
3. ECO-BLOCKS AND CURB-STOPS WILL BE RELOCATED PER SHEET CD101.
4. COORDINATE THE SALVAGE OF BACKFLOW PREVENTER, HOT BOX ENCLOSURE, HYDRANTS AND MANHOLE COVERS WITH THE CONTRACTING OFFICER.

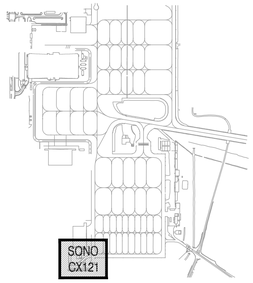
SHEET LEGEND:

- APPROXIMATE LIMITS OF WORK
- REMOVE UTILITY LINE
- CONSTRUCTION FENCE
- REMOVE BUILDING AND SLAB
- REMOVE ASPHALT PAVEMENT
- REMOVE CONCRETE PAVEMENT
- REMOVE STRUCTURE
- SAWCUT LINE

1" = 20'

0 20 40 60

SCALE IN FEET



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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ACTIVITY: NAS WHIDBEY ISLAND

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PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND – NORTHWEST
AULT FIELD – OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

SONOBUOY ISSUE/STORAGE FACILITY DEMOLITION PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030308

SHEET 54 OF 302

CD121

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kurtp

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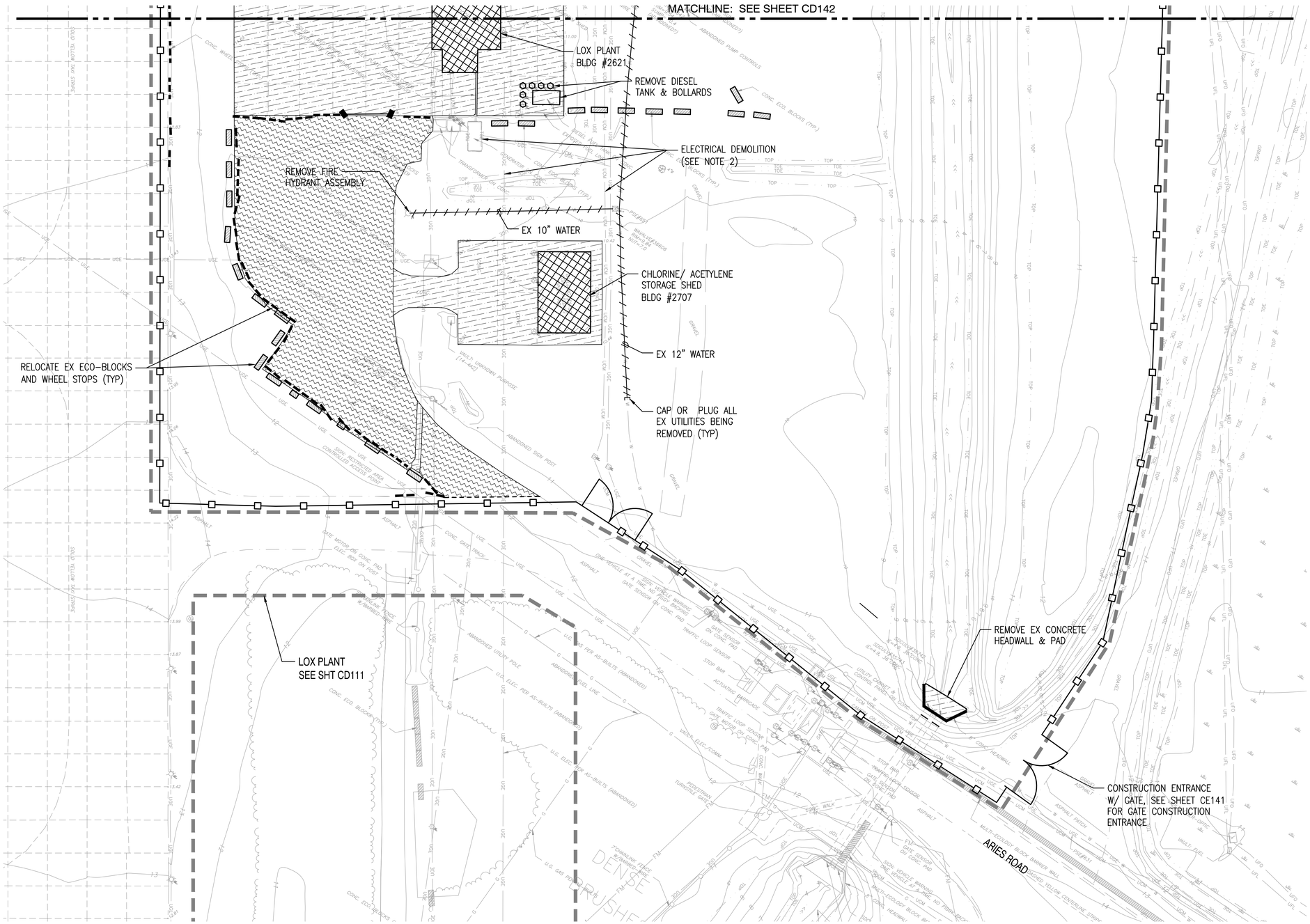


GENERAL NOTES:

1. ECO-BLOCKS AND CURB STOPS WILL BE RELOCATED PER SHEET CD101.
2. SEE ELECTRICAL PLANS FOR DEMOLITION OF EX. POWER, LIGHTING, COMMUNICATION DUCTS AND VAULTS
3. FOR APRON STRIPING DEMOLITION REFER TO SHEETS CD151 THRU CD157.
4. COORDINATE RELOCATION OF EXISTING STRUCTURES WITH CONTRACTING OFFICER.
5. COORDINATE THE SALVAGE OF BACKFLOW PREVENTER, HOT BOX ENCLOSURE, HYDRANTS AND MANHOLE COVERS WITH THE CONTRACTING OFFICER.

SHEET LEGEND:

- APPROXIMATE LIMITS OF WORK
- REMOVE UTILITY LINE
- SWALE
- CONSTRUCTION FENCE
- SAWCUT LINE
- REMOVE BUILDING, FOUNDATIONS & SLABS
- REMOVE ASPHALT PAVEMENT
- REMOVE CONCRETE PAVEMENT
- REMOVE STRUCTURE
- RELOCATE ECO BLOCKS AND CURB STOPS

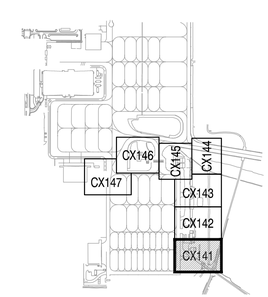
APRON DEMOLITION PLAN

SCALE: 1"=20'

1" = 20'

0 20 40 60

SCALE IN FEET



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARTZ STATE OF WASHINGTON 25448 REGISTERED PROFESSIONAL ENGINEER 2/12/15

kpff Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, Washington 98101-3665
(206) 622-5822 Fax (206) 622-8130

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APPROVED
FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE | DRW KWP | CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD – OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA
FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON DEMOLITION PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030309

SHEET 55 OF 302

CD141

DRAWFORM REVISION: 10 MARCH 2009

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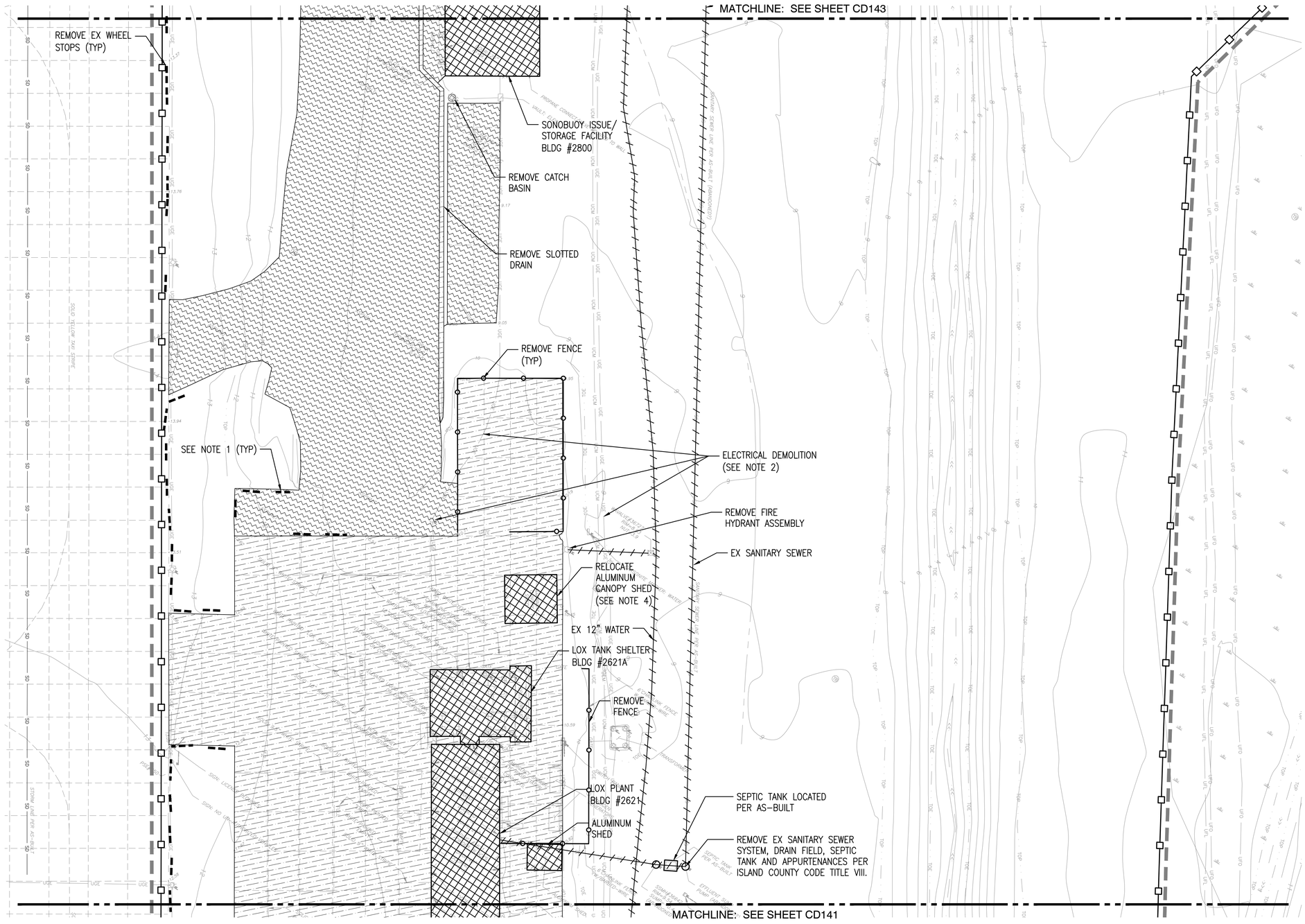
kurtp
Feb 12, 2015 – 4:50pm



APRON DEMOLITION PLAN

SCALE: 1"=20'

1" = 20'

0 20 40 60

SCALE IN FEET

GENERAL NOTES:

1. ECO-BLOCKS AND CURB STOPS WILL BE RELOCATED PER SHEET CD101.
2. SEE ELECTRICAL PLANS FOR DEMOLITION OF EX. POWER, LIGHTING, COMMUNICATION DUCTS AND VAULTS
3. FOR APRON STRIPING DEMOLITION REFER TO SHEETS CD151 THRU CD157.
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5. COORDINATE THE SALVAGE OF BACKFLOW PREVENTER, HOT BOX ENCLOSURE, HYDRANTS AND MANHOLE COVERS WITH THE CONTRACTING OFFICER.

SHEET LEGEND:

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- SWALE
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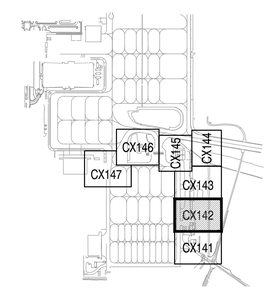
- REMOVE ASPHALT PAVEMENT
- REMOVE CONCRETE PAVEMENT
- REMOVE STRUCTURE
- RELOCATE ECO BLOCKS AND CURB STOPS



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWERTFEGER, STATE OF WASHINGTON, 25448, REGISTERED PROFESSIONAL ENGINEER, 3/27/15

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Seattle, Washington 98101-3665
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A/E INFO

APPROVED
FOR COMMANDER NAVFAC 3/27/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND – NORTHWEST
AULT FIELD – OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON DEMOLITION PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO.
N44255-15-C-6003

NAVFAC DRAWING NO.
16030310

SHEET 56 OF 302

CD142

DRAWFORM REVISION: 10 MARCH 2009

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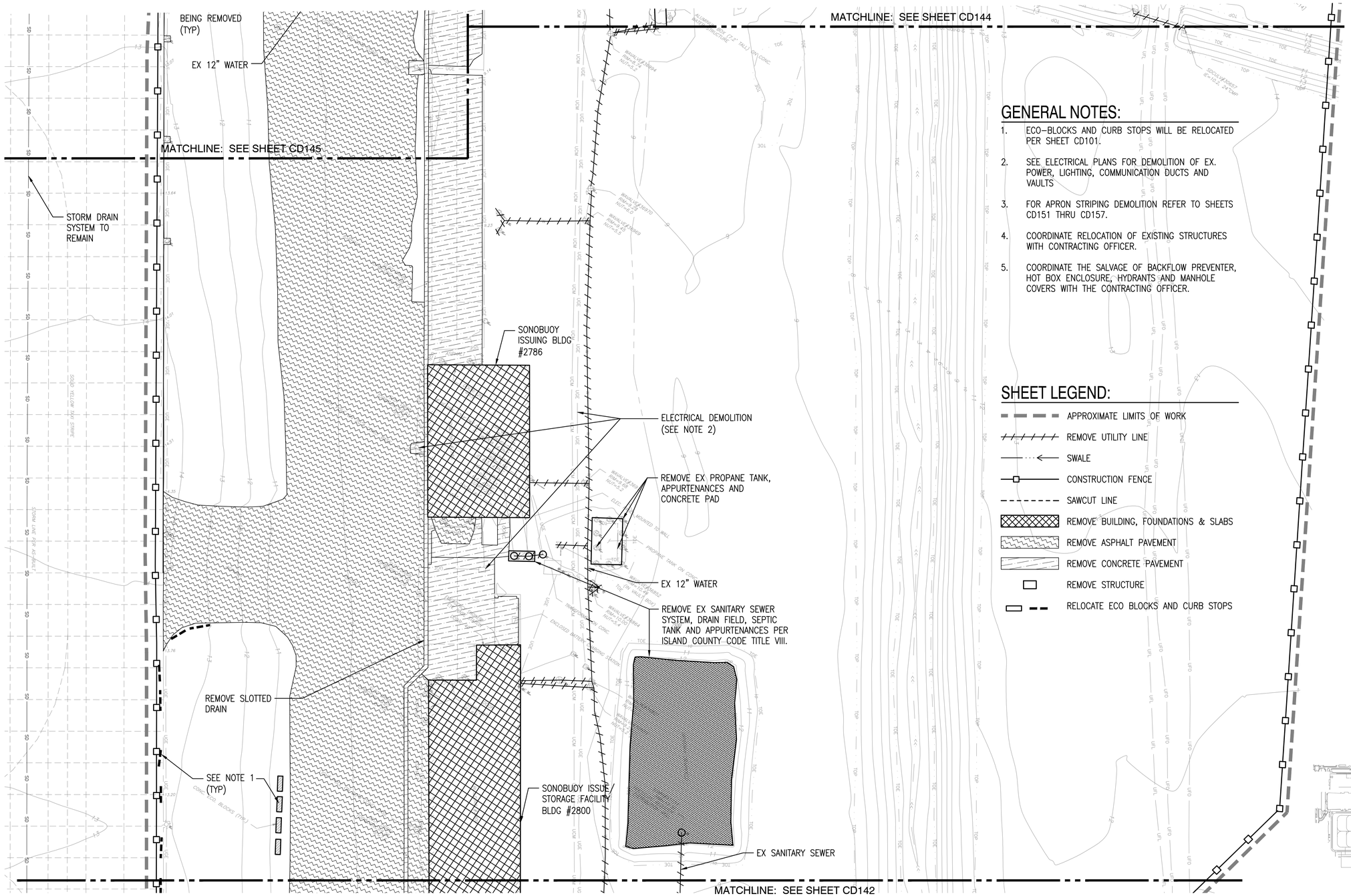
kurtp
Feb 27, 2015 - 10:29am



GENERAL NOTES:

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- SAWCUT LINE
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- REMOVE STRUCTURE
- RELOCATE ECO BLOCKS AND CURB STOPS

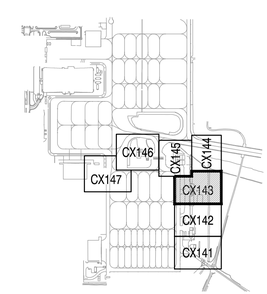
APRON DEMOLITION PLAN

SCALE: 1"=20'

1" = 20'

0 20 40 60

SCALE IN FEET



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARTZ — STATE OF WASHINGTON — 25448 — REGISTERED PROFESSIONAL ENGINEER — 2/27/15

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Seattle, Washington 98101-3665
(206) 622-5822 Fax (206) 622-8130

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A/E INFO

APPROVED
FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
AULT FIELD - OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND — OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON DEMOLITION PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO.: N44255-15-C-6003

NAVFAC DRAWING NO.: 16030311

SHEET 57 OF 302

CD143

DRAWFORM REVISION: 10 MARCH 2009

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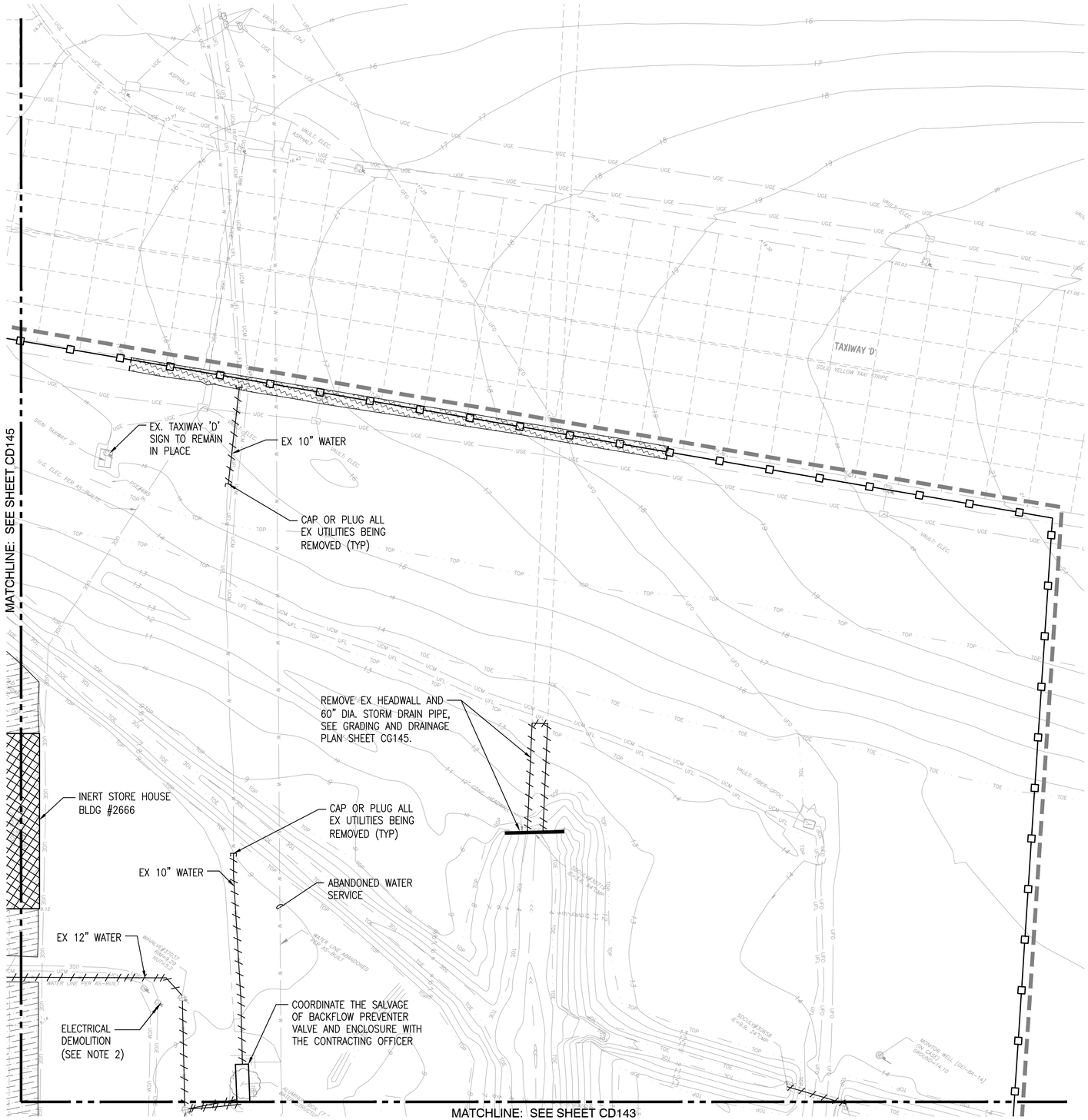
Feb 27, 2015 - 10:29am



APRON DEMOLITION PLAN

SCALE: 1"=20'

1" = 20'

0 20 40 60

SCALE IN FEET

GENERAL NOTES:

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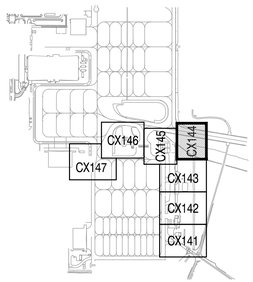
- REMOVE CONCRETE PAVEMENT
- REMOVE STRUCTURE
- RELOCATE ECO BLOCKS AND CURB STOPS



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARZ, STATE OF WASHINGTON, 25446, REGISTERED PROFESSIONAL ENGINEER, 3/12/15

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(206) 622-5822 Fax (206) 622-8130

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A/E INFO

APPROVED

FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

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DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
AULT FIELD - OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON DEMOLITION PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030312

SHEET 58 OF 302

CD144

DRAWFORM REVISION: 10 MARCH 2009

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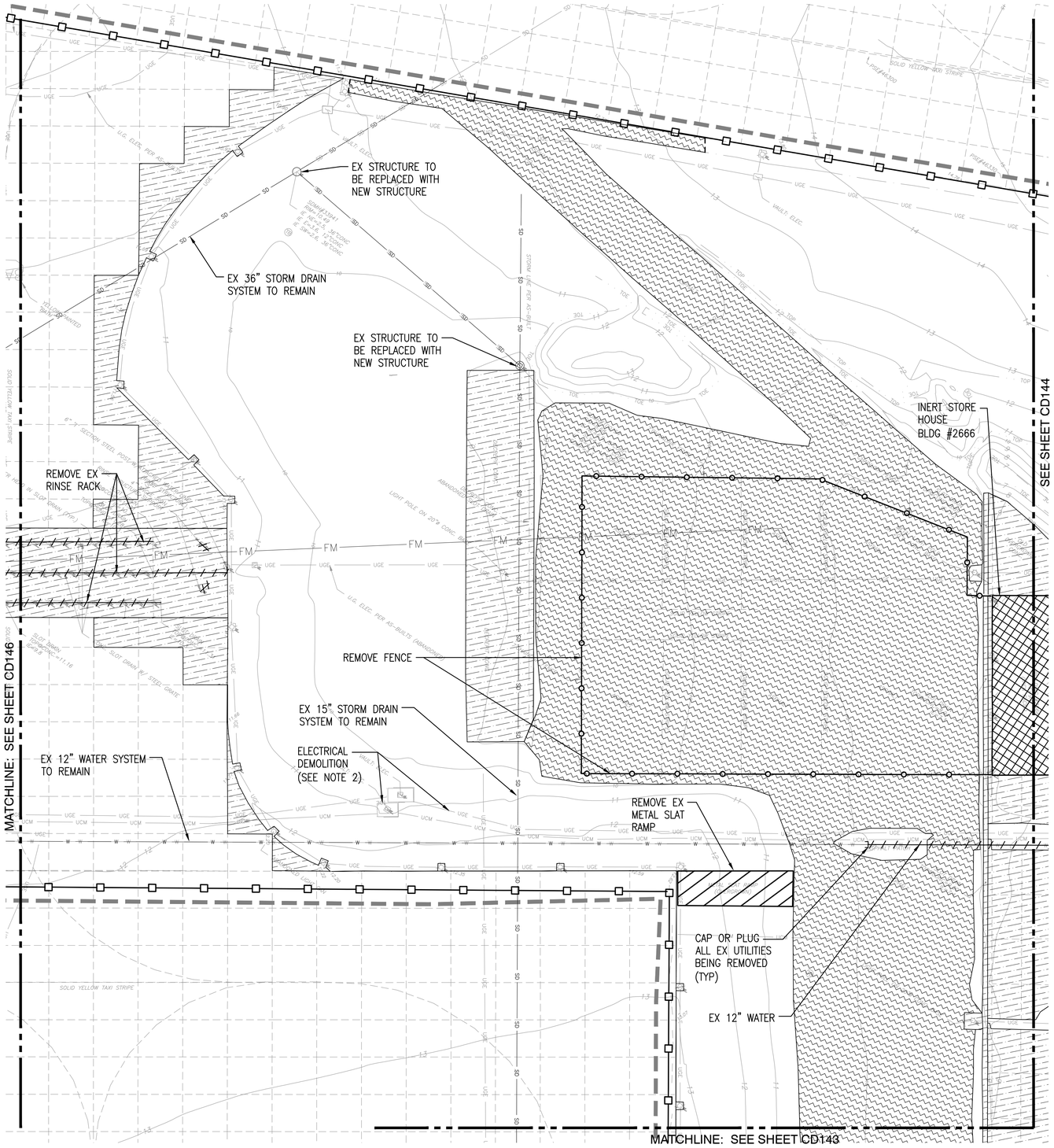

APRON DEMOLITION PLAN

SCALE: 1"=20'

1" = 20'

0 20 40 60

SCALE IN FEET

GENERAL NOTES:

1. ECO-BLOCKS AND CURB STOPS WILL BE RELOCATED PER SHEET CD101.
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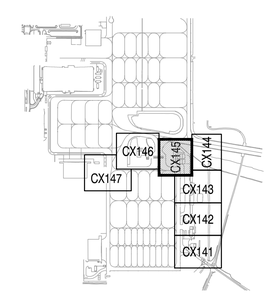
- REMOVE STRUCTURE
- RELOCATE ECO BLOCKS AND CURB STOPS



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARZ, STATE OF WASHINGTON, 25446, REGISTERED PROFESSIONAL ENGINEER, 2/12/15

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(206) 622-5822 Fax (206) 622-8130

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A/E INFO

APPROVED: 3/2/15 FOR COMMANDER NAVFAC

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD - OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA
FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON DEMOLITION PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030313

SHEET 59 OF 302

CD145

DRAWFORM REVISION: 10 MARCH 2009

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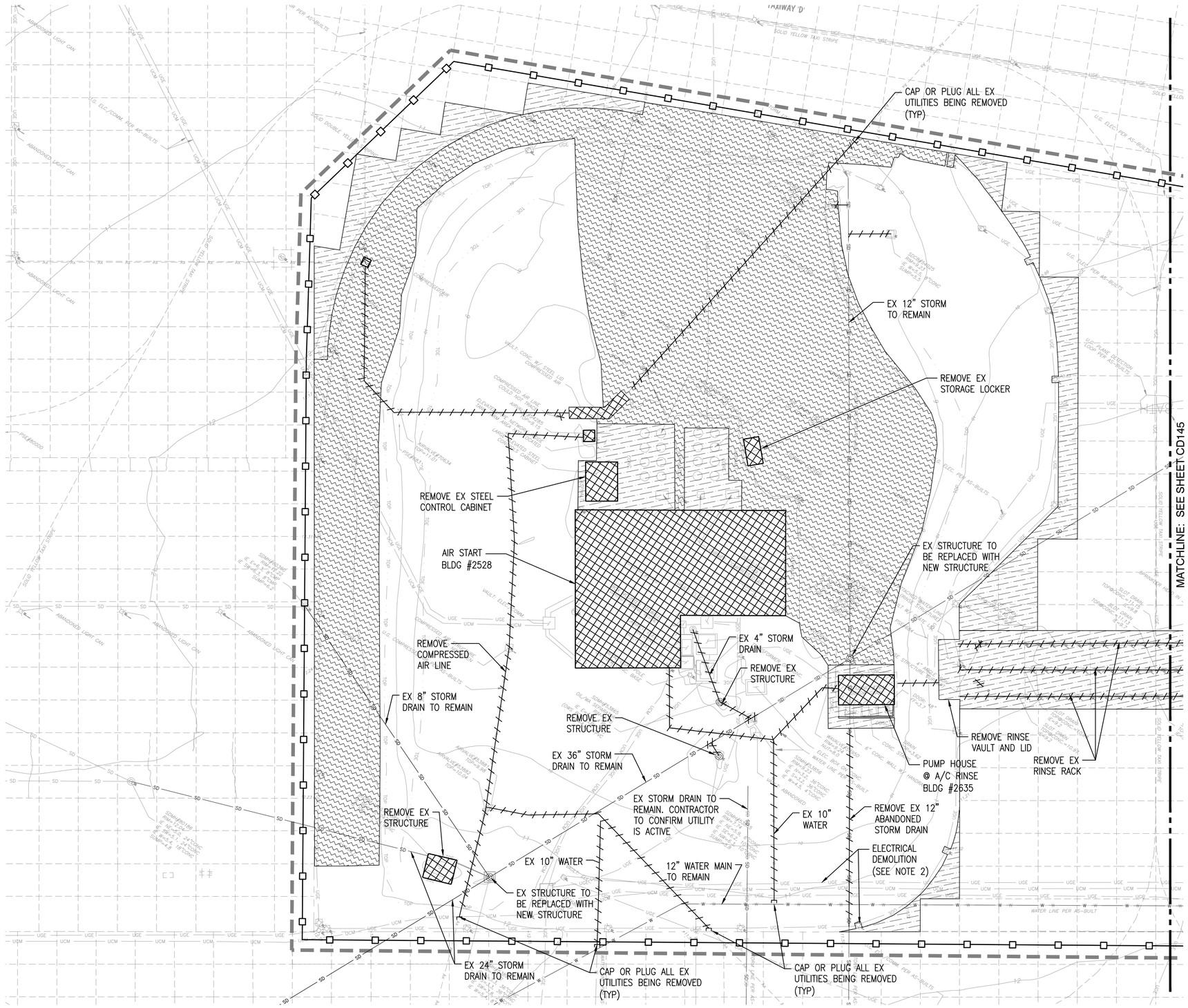

APRON DEMOLITION PLAN

SCALE: 1"=20'

1" = 20'

0 20 40 60

SCALE IN FEET

GENERAL NOTES:

1. ECO-BLOCKS AND CURB STOPS WILL BE RELOCATED PER SHEET CD101.
2. SEE ELECTRICAL PLANS FOR DEMOLITION OF EX. POWER, LIGHTING, COMMUNICATION DUCTS AND VAULTS
3. FOR APRON STRIPING DEMOLITION REFER TO SHEETS CD151 THRU CD157.
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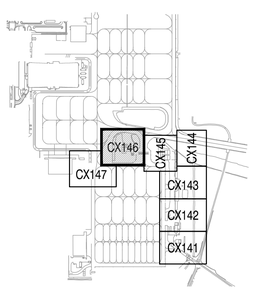
- REMOVE CONCRETE PAVEMENT
- REMOVE STRUCTURE
- RELOCATE ECO BLOCKS AND CURB STOPS



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARZ, STATE OF WASHINGTON, 25448, REGISTERED PROFESSIONAL ENGINEER, 2/12/15

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A/E INFO

APPROVED
FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE | DRW KWP | CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD - OAK HARBOR, WA
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON DEMOLITION PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030314

SHEET 60 OF 302

CD146

DRAWFORM REVISION: 10 MARCH 2009

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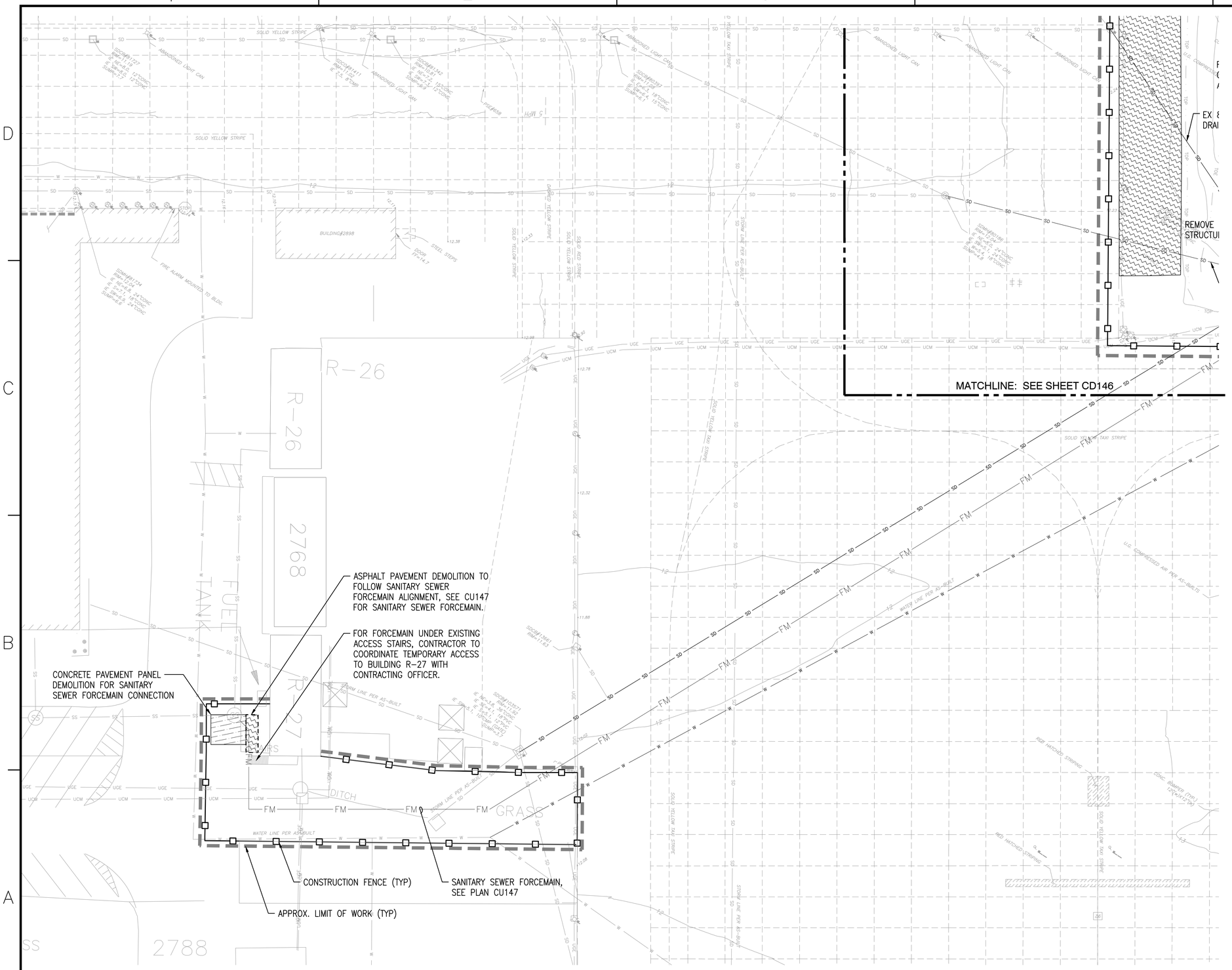


APRON DEMOLITION PLAN

SCALE: 1"=20'

1" = 20'

0 20 40 60

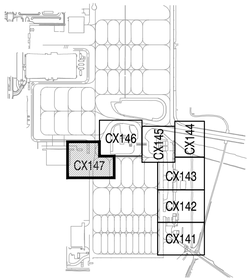
SCALE IN FEET

GENERAL NOTES:

1. ECO-BLOCKS WILL BE RELOCATED PER SHEET CD101.
2. SEE ELECTRICAL PLANS FOR DEMOLITION OF EX. POWER, LIGHTING AND COMMUNICATION DUCTS AND VAULTS
3. FOR APRON STRIPING DEMOLITION REFER TO SHEETS CD151 THRU CD157.
4. COORDINATE RELOCATION OF EXISTING STRUCTURES WITH CONTRACTING OFFICER.
5. CONTRACTOR TO COORDINATE LOCATION OF SANITARY FORCEMAIN WITH EXISTING UTILITIES

SHEET LEGEND:

- APPROXIMATE LIMITS OF WORK
- CONSTRUCTION FENCE
- SAWCUT LINE
- REMOVE ASPHALT PAVEMENT
- REMOVE CONCRETE PAVEMENT



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARZ STATE OF WASHINGTON 25446 REGISTERED PROFESSIONAL ENGINEER 2/12/15

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A/E INFO

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FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE | DRW KWP | CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD - OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON DEMOLITION PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030315

SHEET 61 OF 302

CD147

DRAWFORM REVISION: 10 MARCH 2009

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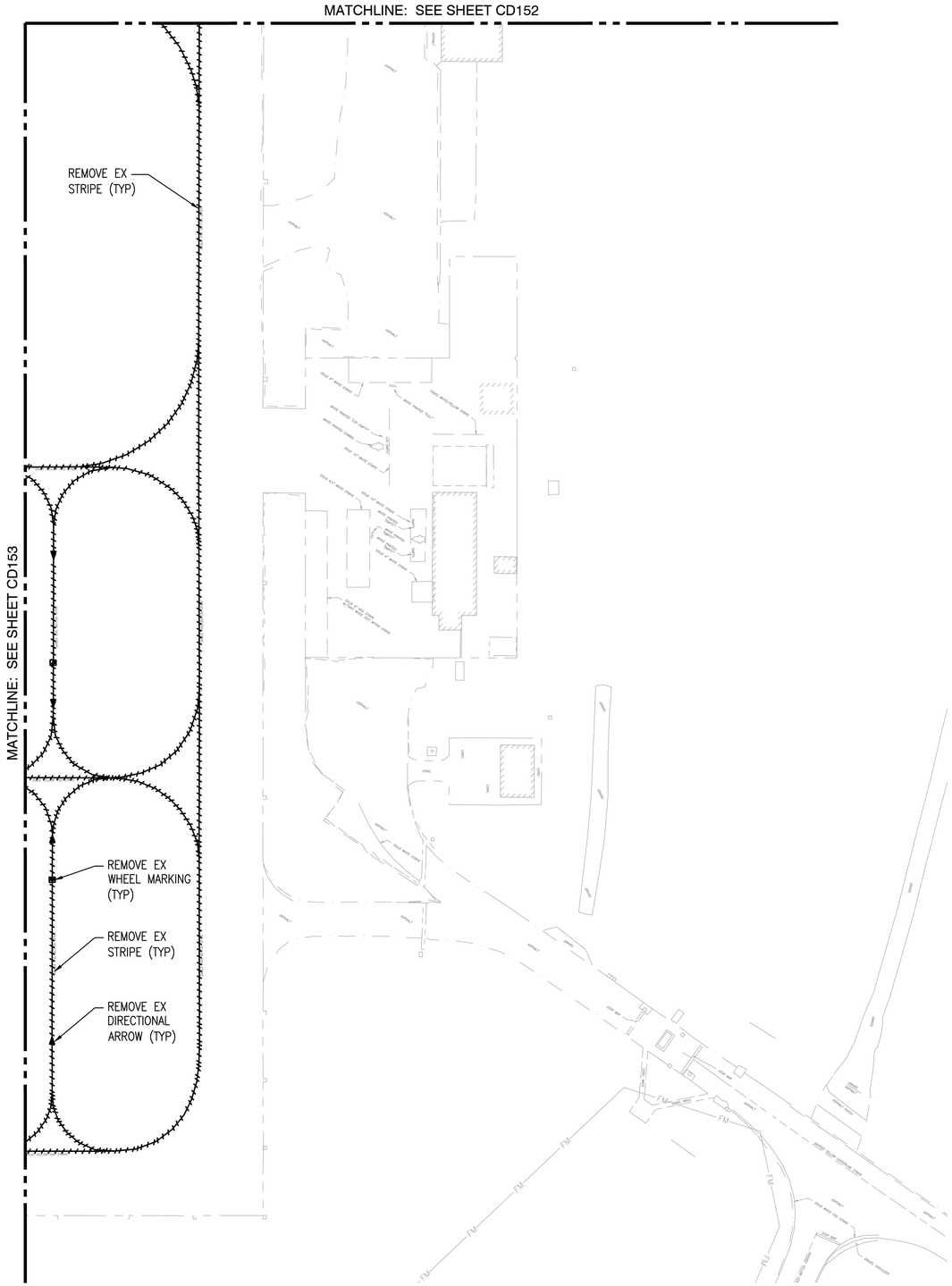


APRON STRIPING DEMOLITION PLAN

SCALE: 1"=40'

1" = 40'

0 40 80 120

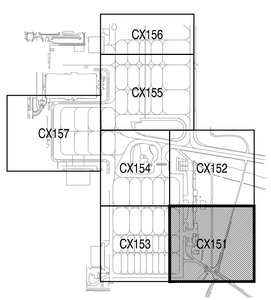
SCALE IN FEET

GENERAL NOTES:

1. FOR APRON DEMOLITION REFER TO SHEETS CD141 THRU CD146.

SHEET LEGEND:

- REMOVE STRIPING
- REMOVE SHOULDER STRIPE
- REMOVE RED SAFETY ZONE STRIPING
- REMOVE DIRECTIONAL ARROWS
- REMOVE WHEEL MARKINGS



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARZ
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25448
REGISTERED
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2/12/15

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ACTIVITY
NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE | DRW KWP | CHK DES
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BRANCH MANAGER
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XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD - OAK HARBOR, WA
NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA
FY-15 MCON PROJECT P-259 P-8A AIRCRAFT
APRON EXPANSION - PART A
APRON STRIPING DEMOLITION PLAN

SCALE: AS SHOWN
EPROJECT NO.:
CONSTR. CONTR. NO.
N44255-15-C-6003
NAVFAC DRAWING NO.
16030316
SHEET 62 OF 302

CD151

DRAWFORM REVISION: 10 MARCH 2009

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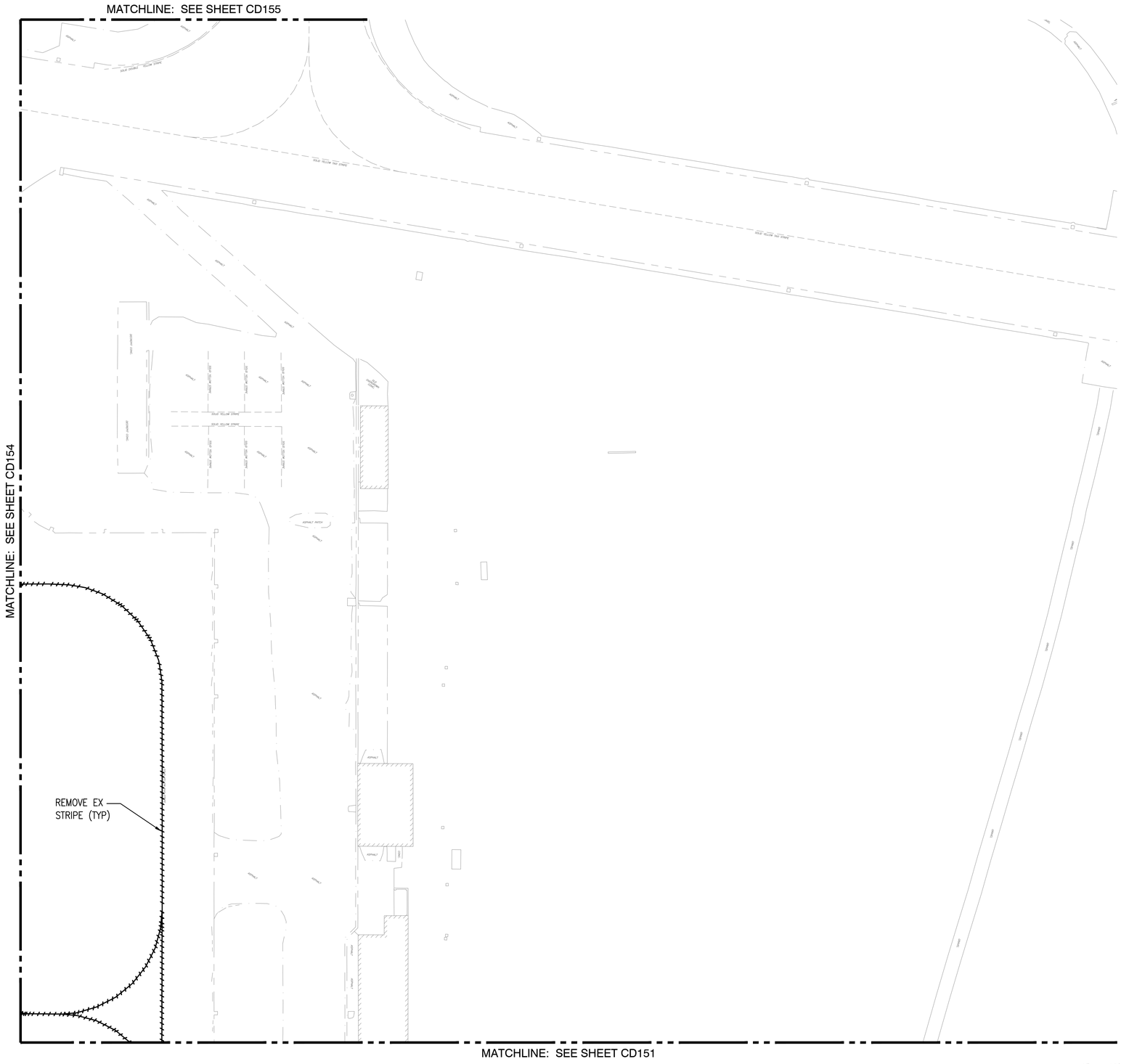
kurtp
Feb 12, 2015 - 4:50pm



APRON STRIPING DEMOLITION PLAN

SCALE: 1"=40'

1" = 40'

0 40 80 120

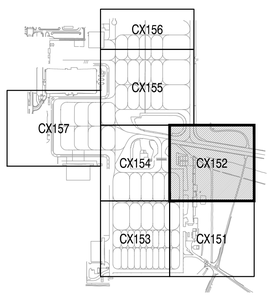
SCALE IN FEET

GENERAL NOTES:

1. FOR APRON DEMOLITION REFER TO SHEETS CD141 THRU CD146.

SHEET LEGEND:

- REMOVE STRIPING
- REMOVE SHOULDER STRIPE
- REMOVE RED SAFETY ZONE STRIPING
- REMOVE DIRECTIONAL ARROWS
- REMOVE WHEEL MARKINGS



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARTZ STATE OF WASHINGTON 25448 REGISTERED PROFESSIONAL ENGINEER 2/12/15

kpff Consulting Engineers
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(206) 622-5822 Fax (206) 622-8130

811 Call 811 two business days before you dig

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD - OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT
APRON EXPANSION - PART A

APRON STRIPING DEMOLITION PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO.: N44255-15-C-6003

NAVFAC DRAWING NO.: 16030317

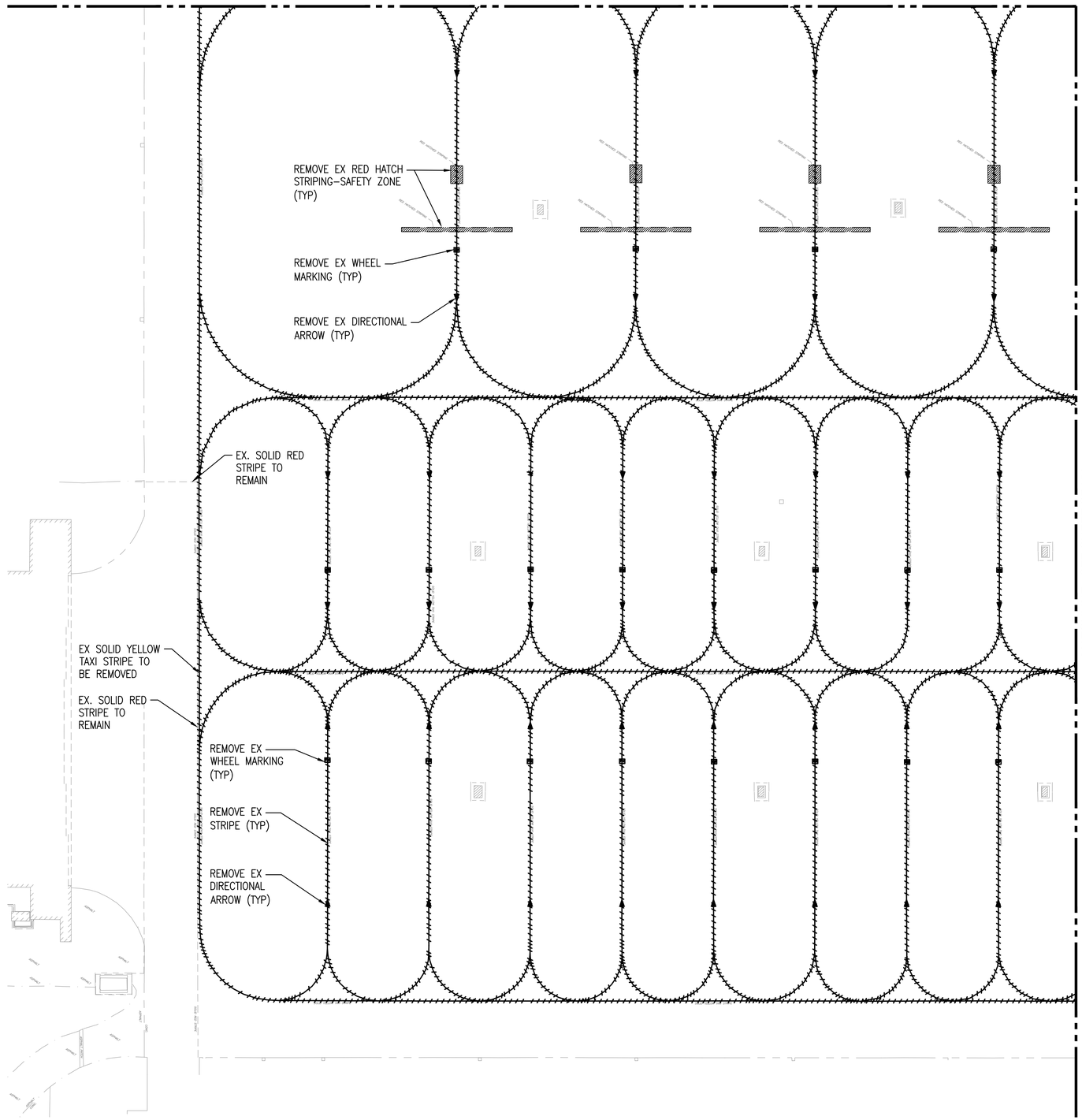
SHEET 63 OF 302

CD152

DRAWFORM REVISION: 10 MARCH 2009

Z:\114000-114400\114300 (naswi p259)\CADD\Design\P259-MAXMO-CD151 APRN.dwg
kurtp
Feb 12, 2015 - 4:50pm

MATCHLINE: SEE SHEET CD154



MATCHLINE: SEE SHEET CD151

APRON STRIPING DEMOLITION PLAN

SCALE: 1"=40'

1" = 40'

0 40 80 120

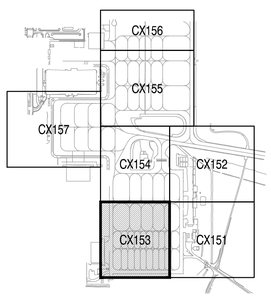
SCALE IN FEET

GENERAL NOTES:

1. FOR APRON DEMOLITION REFER TO SHEETS CD141 THRU CD146.

SHEET LEGEND:

- REMOVE STRIPING
- REMOVE SHOULDER STRIPE
- REMOVE RED SAFETY ZONE STRIPING
- REMOVE DIRECTIONAL ARROWS
- REMOVE WHEEL MARKINGS



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARZ, STATE OF WASHINGTON, 25448, REGISTERED PROFESSIONAL ENGINEER, 2/13/15

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1601 Fifth Avenue, Suite 1600
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(206) 622-5822 Fax (206) 622-8130

811 Call 811 two business days before you dig

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD ~ OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON STRIPING DEMOLITION PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO.: N44255-15-C-6003

NAVFAC DRAWING NO.: 16030318

SHEET 64 OF 302

CD153

DRAWFORM REVISION: 10 MARCH 2009

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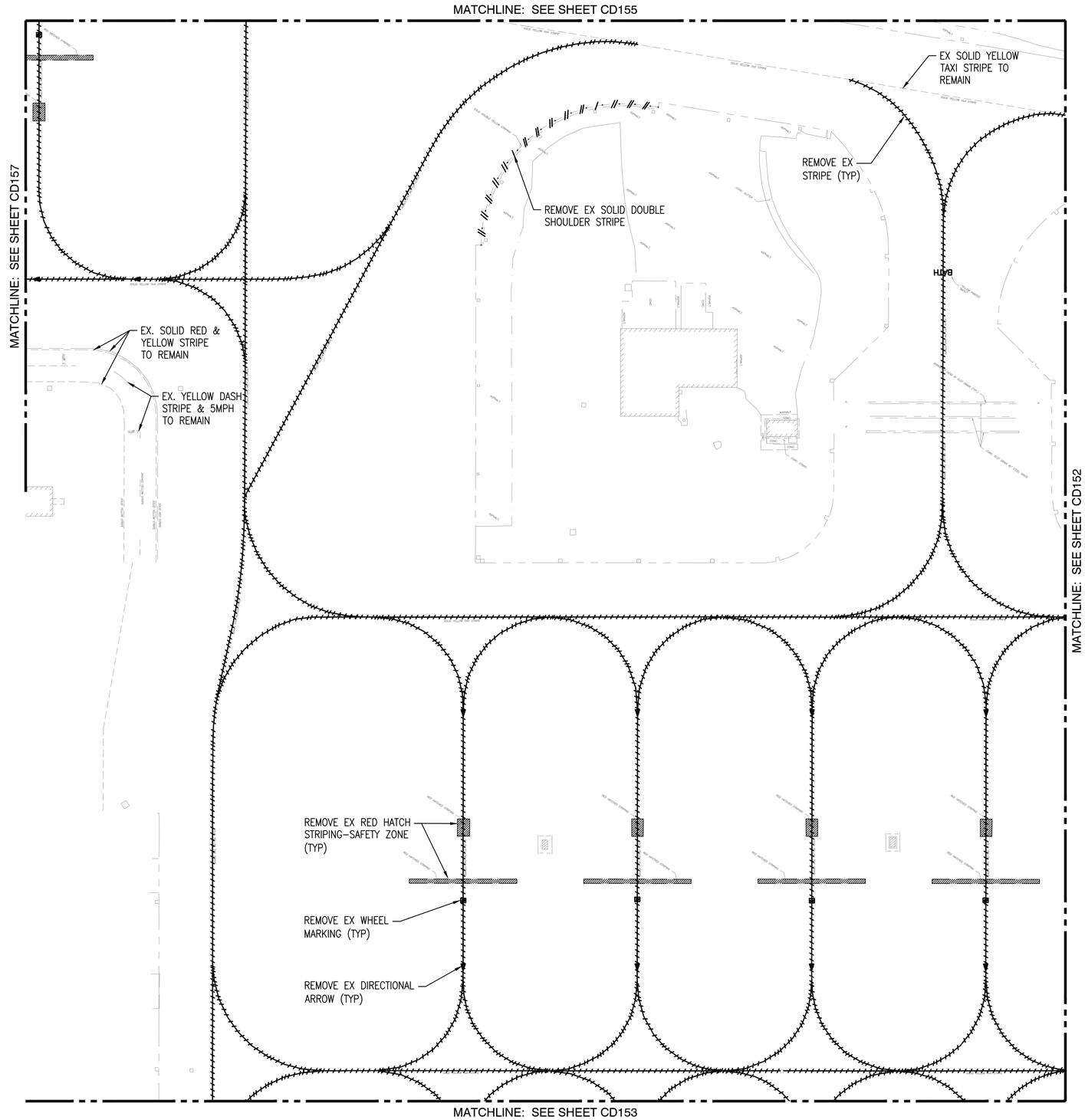


APRON STRIPING DEMOLITION PLAN

SCALE: 1"=40'

1" = 40'

0 40 80 120

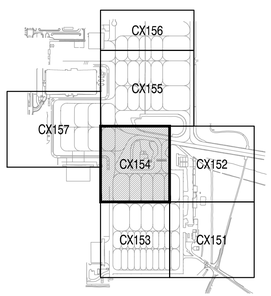
SCALE IN FEET

GENERAL NOTES:

1. FOR APRON DEMOLITION REFER TO SHEETS CD141 THRU CD146.

SHEET LEGEND:

- REMOVE STRIPING
- REMOVE SHOULDER STRIPE
- REMOVE RED SAFETY ZONE STRIPING
- REMOVE DIRECTIONAL ARROWS
- REMOVE WHEEL MARKINGS



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARZ, STATE OF WASHINGTON, 25448, REGISTERED PROFESSIONAL ENGINEER, 2/12/15

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A/E INFO

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FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD - OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON STRIPING DEMOLITION PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO.: N44255-15-C-6003

NAVFAC DRAWING NO.: 16030319

SHEET 65 OF 302

CD154

DRAWFORM REVISION: 10 MARCH 2009

Z:\114000-114400\114300 (nsswi p259)\CADD\Design\P-259-MAXWAO-CD151 APRN.dwg kurtp Feb 12, 2015 - 4:50pm

MATCHLINE: SEE SHEET CD156

EX SOLID RED WARNING STRIPE TO REMAIN (TYP). EX SOLID YELLOW STRIPE TO BE REMOVED

EX YELLOW DASH STRIPE AND 5MPH MARKING TO REMAIN

REMOVE EX STRIPE

REMOVE EX STRIPE (TYP)

EX SOLID RED WARNING STRIPE AND YELLOW STRIPE TO REMAIN

EX SOLID YELLOW TAXI STRIPE TO REMAIN

REMOVE EX DIRECTIONAL ARROW (TYP)

REMOVE EX RED HATCH STRIPING–SAFETY ZONE (TYP)

EX SOLID YELLOW TAXI STRIPE TO REMAIN

REMOVE EX WHEEL MARKING (TYP)

EX SOLID YELLOW TAXI STRIPE TO REMAIN

REMOVE EX STRIPE

EX SOLID YELLOW TAXI STRIPE TO REMAIN

MATCHLINE: SEE SHEET CD157

MATCHLINE: SEE SHEET CD154

MATCHLINE: SEE SHEET CD152

APRON STRIPING DEMOLITION PLAN

SCALE: 1"=40'

1" = 40'

0 40 80 120

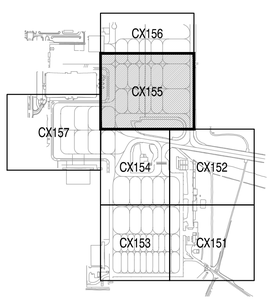
SCALE IN FEET

GENERAL NOTES:

1. FOR APRON DEMOLITION REFER TO SHEETS CD141 THRU CD146.

SHEET LEGEND:

- REMOVE STRIPING
- REMOVE SHOULDER STRIPE
- REMOVE RED SAFETY ZONE STRIPING
- REMOVE DIRECTIONAL ARROWS
- REMOVE WHEEL MARKINGS



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARZ STATE OF WASHINGTON 25446 REGISTERED PROFESSIONAL ENGINEER 3/12/15

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(206) 622-5822 Fax (206) 622-8130

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A/E INFO

APPROVED

FOR COMMANDER NAVFAC 3/12/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE | DRW KWP | CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND – NORTHWEST
AULT FIELD – OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON STRIPING DEMOLITION PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030320

SHEET 66 OF 302

CD155

DRAWFORM REVISION: 10 MARCH 2009

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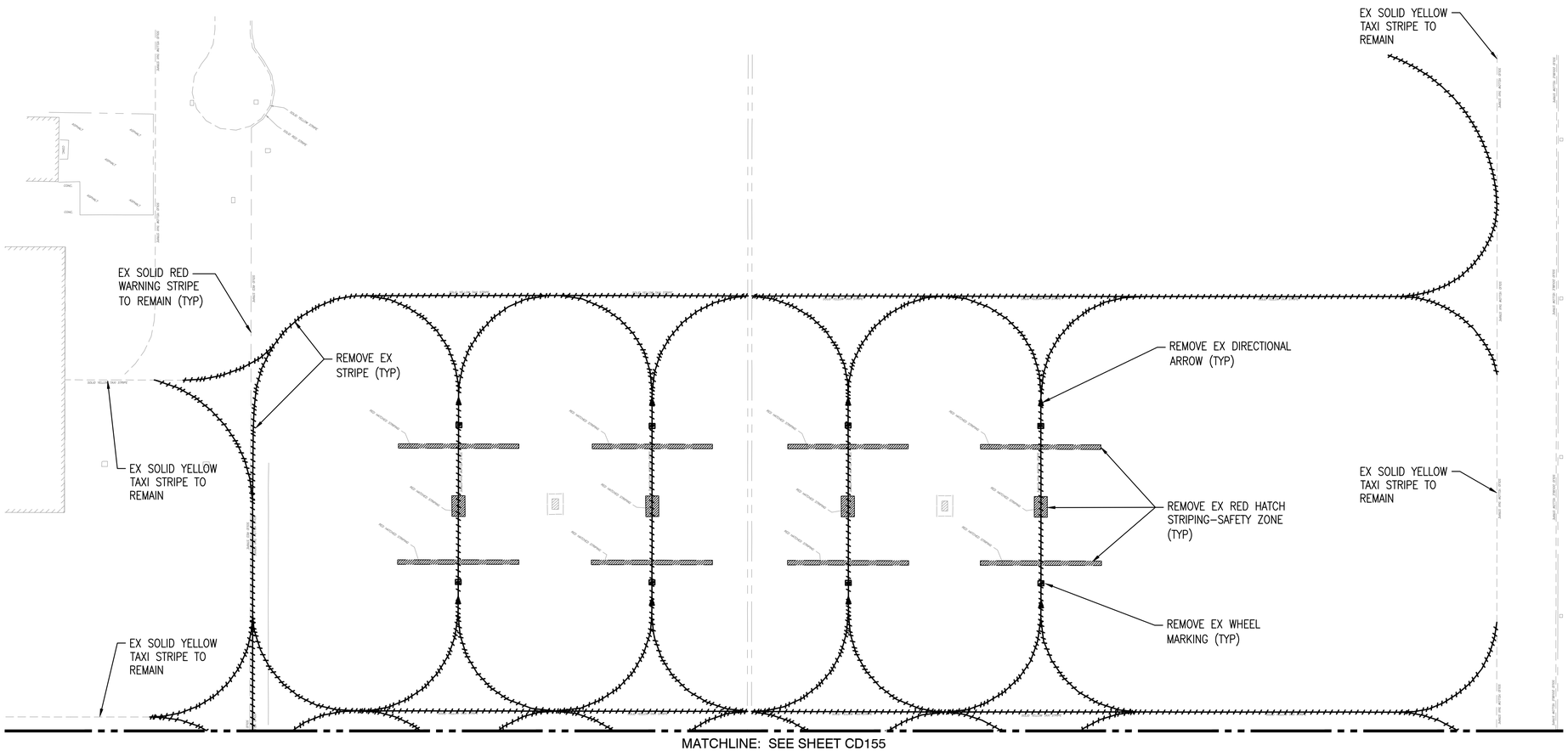
evonl

Feb 13, 2015 - 9:34am

GENERAL NOTES:

1. FOR APRON DEMOLITION REFER TO SHEETS CD141 THRU CD146.



SHEET LEGEND:

- REMOVE STRIPING
- REMOVE SHOULDER STRIPE
- REMOVE RED SAFETY ZONE STRIPING
- REMOVE DIRECTIONAL ARROWS
- REMOVE WHEEL MARKINGS

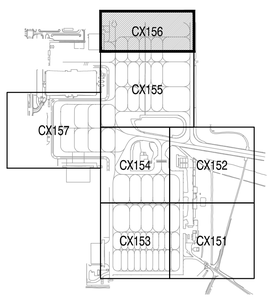
APRON STRIPING DEMOLITION PLAN

SCALE: 1"=40'

1" = 40'

0 40 80 120

SCALE IN FEET



KEY PLAN

SCALE: NONE

STM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARTZ STATE OF WASHINGTON 25448 REGISTERED PROFESSIONAL ENGINEER 2/12/15

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FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD – OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON STRIPING DEMOLITION PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030321

SHEET 67 OF 302

CD156

DRAWFORM REVISION: 10 MARCH 2009

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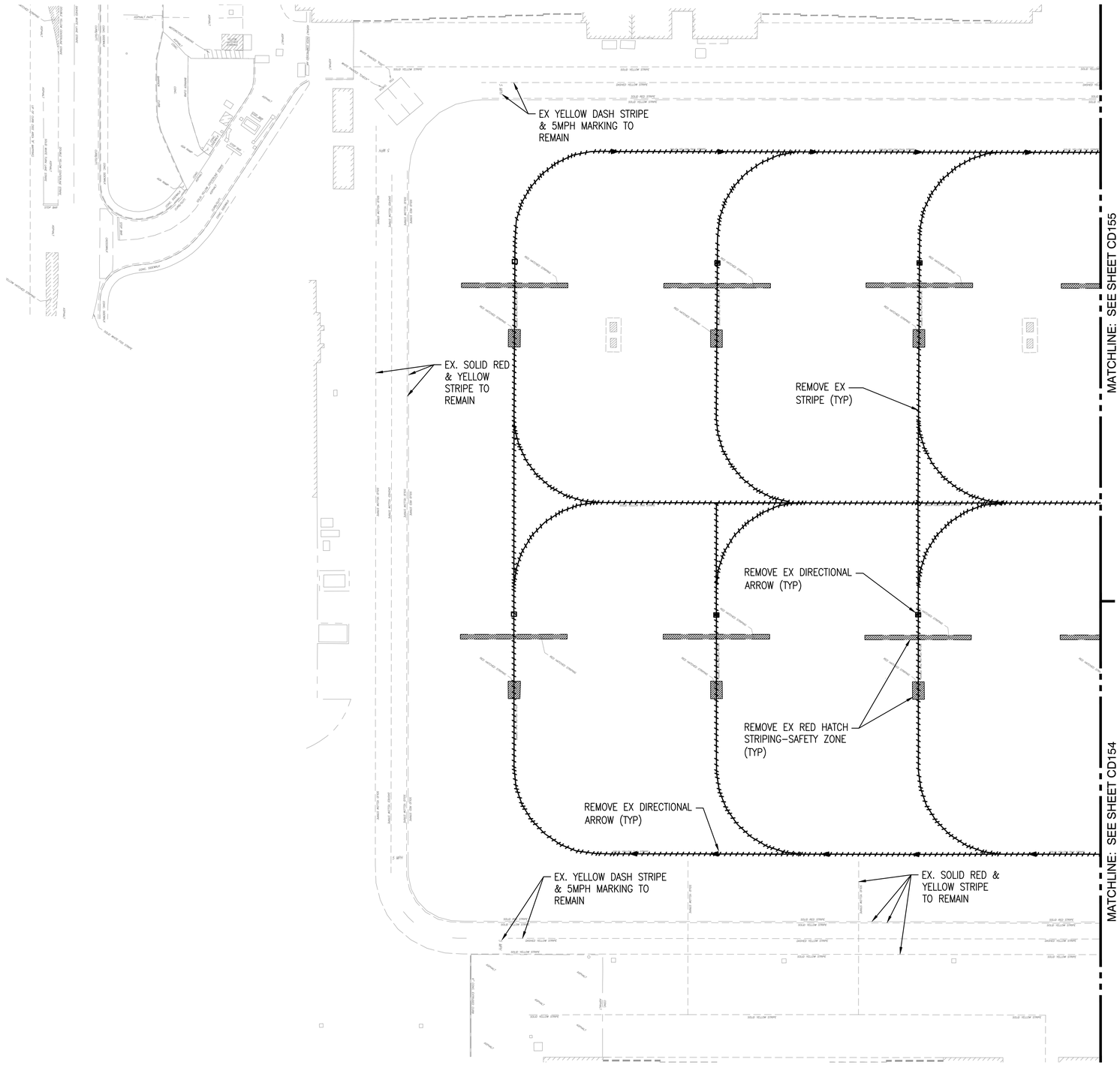


APRON STRIPING DEMOLITION PLAN

SCALE: 1"=40'

1" = 40'

0 40 80 120

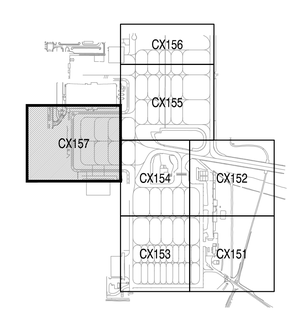
SCALE IN FEET

GENERAL NOTES:

1. FOR APRON DEMOLITION REFER TO SHEETS CD141 THRU CD146.

SHEET LEGEND:

- REMOVE STRIPING
- REMOVE SHOULDER STRIPE
- REMOVE RED SAFETY ZONE STRIPING
- REMOVE DIRECTIONAL ARROWS
- REMOVE WHEEL MARKINGS



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARZ, STATE OF WASHINGTON, 25448, REGISTERED PROFESSIONAL ENGINEER, 2/12/15

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(206) 622-5822 Fax (206) 622-8130

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A/E INFO

APPROVED
FOR COMMANDER NAVFAC 3/2/15

ACTIVITY
NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE | DRW KWP | CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND – NORTHWEST
AULT FIELD – OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON STRIPING DEMOLITION PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO.
N44255-15-C-6003

NAVFAC DRAWING NO.
16030322

SHEET 68 OF 302

CD157

DRAWFORM REVISION: 10 MARCH 2009

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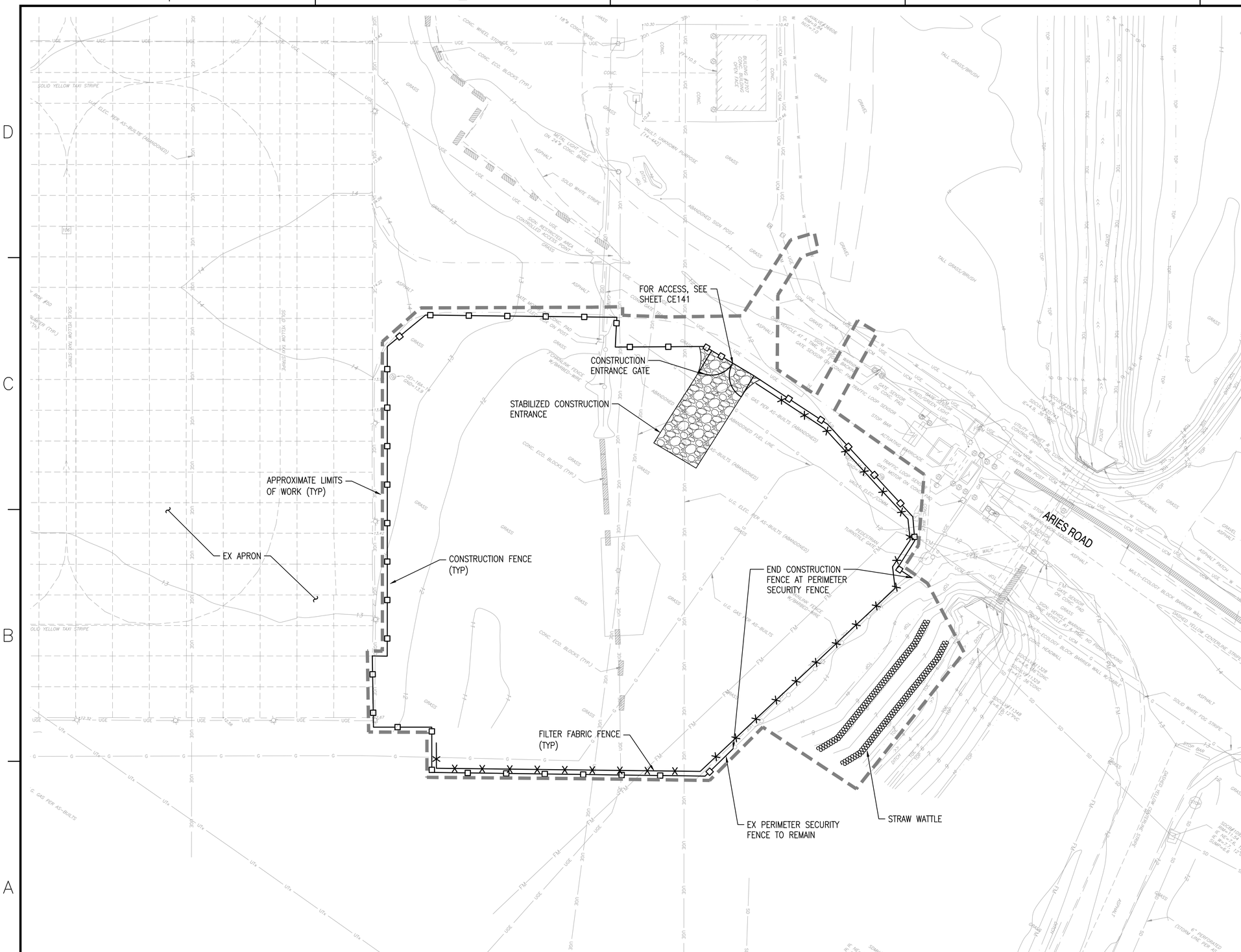
Feb 12, 2015 - 4:50pm



LOX PLANT T.E.S.C. PLAN

SCALE: 1"=20'

1" = 20'

0 20 40 60

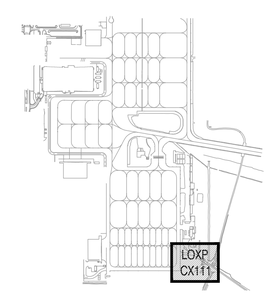
SCALE IN FEET

GENERAL NOTES:

1. CONTRACTOR SHALL ENSURE THAT PAVED ROADWAYS ADJACENT TO THE SITE ARE KEPT FREE OF DIRT AND DEBRIS.
2. CONTRACTOR SHALL VERIFY WITH CONTRACTING OFFICER THAT TESC MEASURES ARE ADEQUATE DEPENDING ON THE CURRENT SITE CONDITIONS, EXPECTED WEATHER, CONSTRUCTION SCHEDULE AND DURATION.
3. THE IMPLEMENTATION, CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE TESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
4. THE TESC FACILITIES MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT LEAVE THE SITE, ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS.
5. THE TESC FACILITIES SHOWN ON THIS PLAN ARE THOSE ANTICIPATED TO BE REQUIRED FOR THE SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE TESC FACILITIES SHALL BE UPGRADED (E.G. RELOCATION OF DITCHES AND SILT FENCES, ETC.) BY THE CONTRACTOR AS NEEDED FOR UNEXPECTED STORM EVENTS. ADDITIONAL BMP'S MAY BE NEEDED FOR CHANGING SITE CONDITIONS.
6. THE TESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.

SHEET LEGEND

- APPROXIMATE LIMITS OF WORK
- CONSTRUCTION FENCE
- FILTER FABRIC FENCE (C3 / CE501)
- STRAW WATTLE/ COMPOST SOCK (A1 / CE501)
- CONSTRUCTION ENTRANCE (A3 / CE501)



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARZ, STATE OF WASHINGTON, 25448, REGISTERED PROFESSIONAL ENGINEER, 3/12/15

kpff Consulting Engineers
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Seattle, Washington 98101-3665
(206) 622-5822 Fax (206) 622-8130

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A/E INFO

APPROVED
FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE | DRW KWP | CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND – NORTHWEST
AULT FIELD – OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

LOX PLANT T.E.S.C. PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030323

SHEET 69 OF 302

CE111

DRAWFORM REVISION: 10 MARCH 2009

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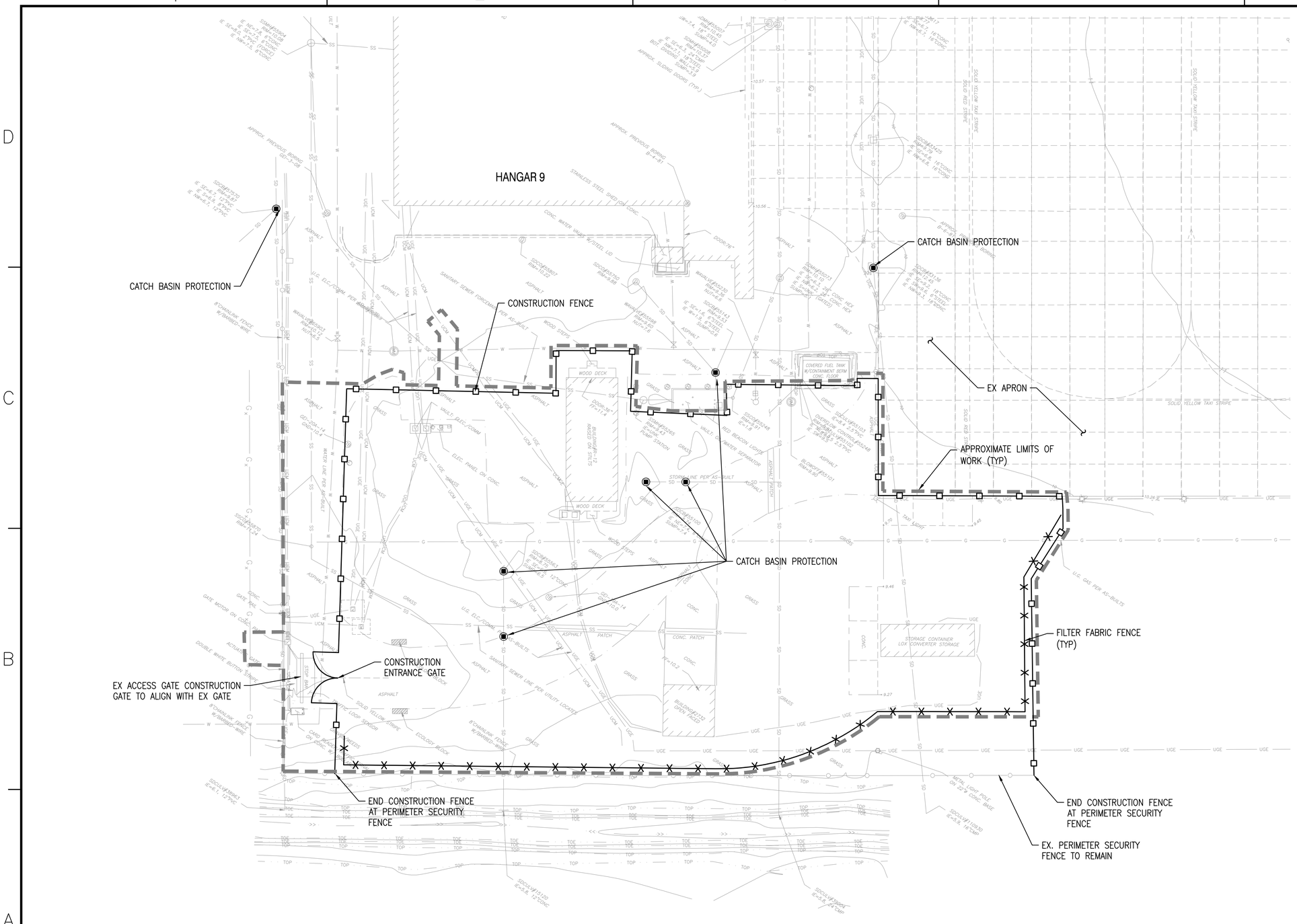

GENERAL NOTES:

1. CONTRACTOR SHALL ENSURE THAT PAVED ROADWAYS ADJACENT TO THE SITE ARE KEPT FREE OF DIRT AND DEBRIS.
2. CONTRACTOR SHALL VERIFY WITH CONTRACTING OFFICER THAT TESC MEASURES ARE ADEQUATE DEPENDING ON THE CURRENT SITE CONDITIONS, EXPECTED WEATHER, CONSTRUCTION SCHEDULE AND DURATION.
3. THE IMPLEMENTATION, CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE TESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
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SHEET LEGEND

- APPROXIMATE LIMITS OF WORK
- CONSTRUCTION FENCE
- FILTER FABRIC FENCE — C3 CE501
- CATCH BASIN PROTECTION — C1 CE501

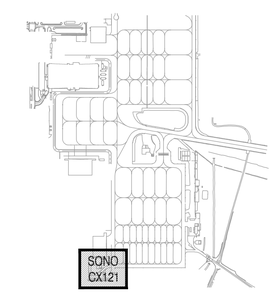
SONOBUOY ISSUE/STORAGE FACILITY T.E.S.C PLAN

SCALE: 1"=20'

1" = 20'

0 20 40 60

SCALE IN FEET



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARZ, STATE OF WASHINGTON, 25448, REGISTERED PROFESSIONAL ENGINEER, 3/2/15

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Seattle, Washington 98101-3665
(206) 622-5822 Fax (206) 622-8130

811 Call 811 two business days before you dig

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND – NORTHWEST
AULT FIELD – OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

SONOBUOY ISSUE/STORAGE FACILITY T.E.S.C PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030324

SHEET 70 OF 302

CE121

DRAWFORM REVISION: 10 MARCH 2009

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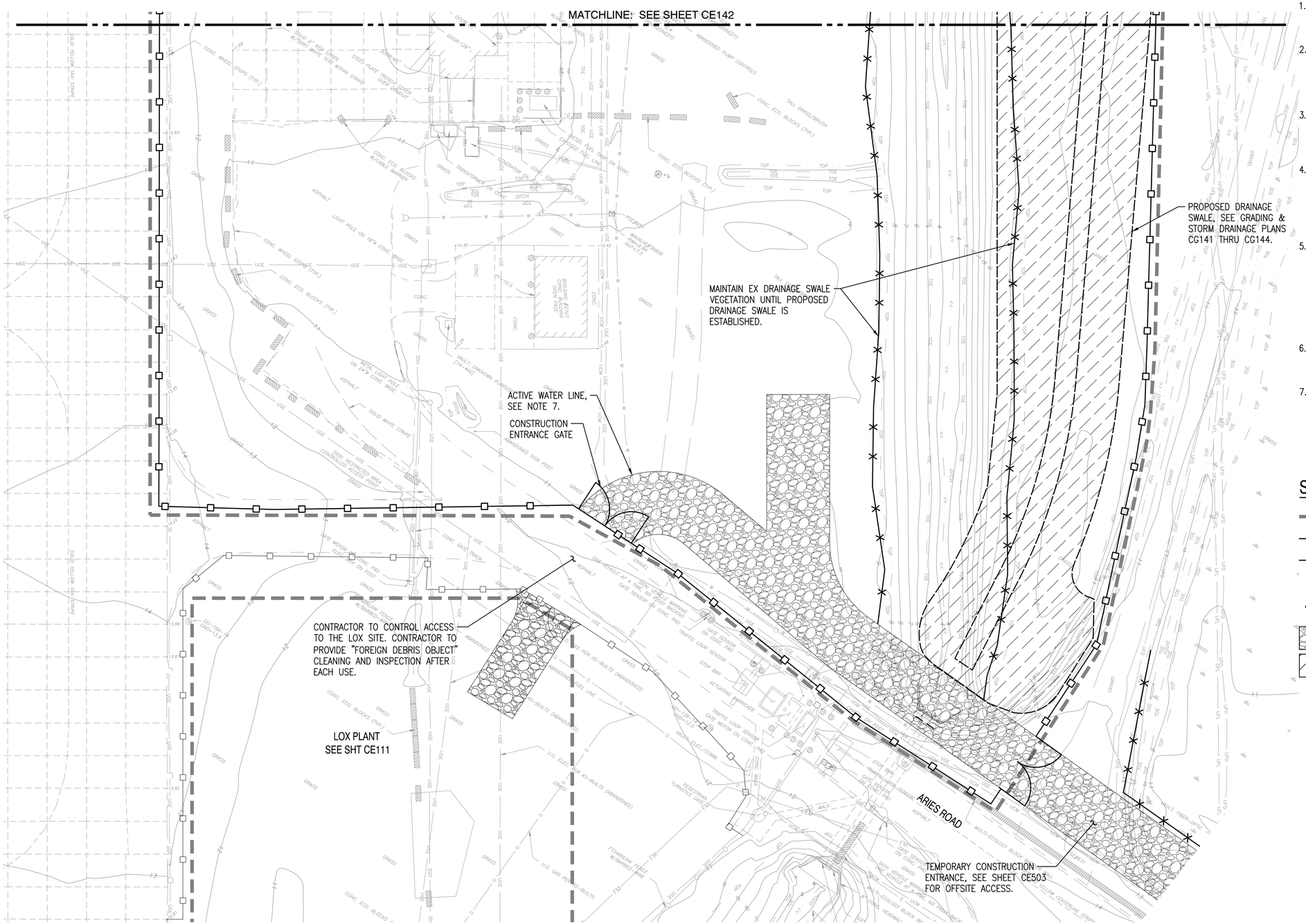

GENERAL NOTES:

1. CONTRACTOR SHALL ENSURE THAT PAVED ROADWAYS ADJACENT TO THE SITE ARE KEPT FREE OF DIRT AND DEBRIS.
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- CB PROTECTION — C1 / CE501
- STRAW WATTLE/ COMPOST SOCK — A1 / CE501
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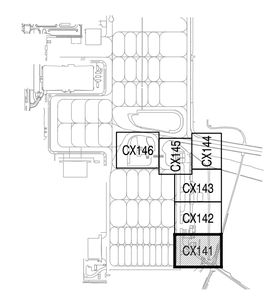

KEY PLAN

SCALE: NONE

APRON T.E.S.C. PLAN

SCALE: 1"=20'

1" = 20'

0 20 40 60

SCALE IN FEET

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARZ, STATE OF WASHINGTON, 25446, REGISTERED PROFESSIONAL ENGINEER, 3/12/15

kpff Consulting Engineers
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Seattle, Washington 98101-3665
(206) 622-5822 Fax (206) 622-8130

811 Call 811 two business days before you dig

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 3/12/15

ACTIVITY
NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE | DRW KWP | CHK DES
PM/DM JOSEPH KISIDAY
BRANCH MANAGER
CHIEF ENG/ARCH
XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
AULT FIELD - OAK HARBOR, WA
NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON T.E.S.C. PLAN

SCALE: AS SHOWN
EPROJECT NO.:
CONSTR. CONTR. NO. N44255-15-C-6003
NAVFAC DRAWING NO. 16030325
SHEET 71 OF 302

CE141

DRAWFORM REVISION: 10 MARCH 2009

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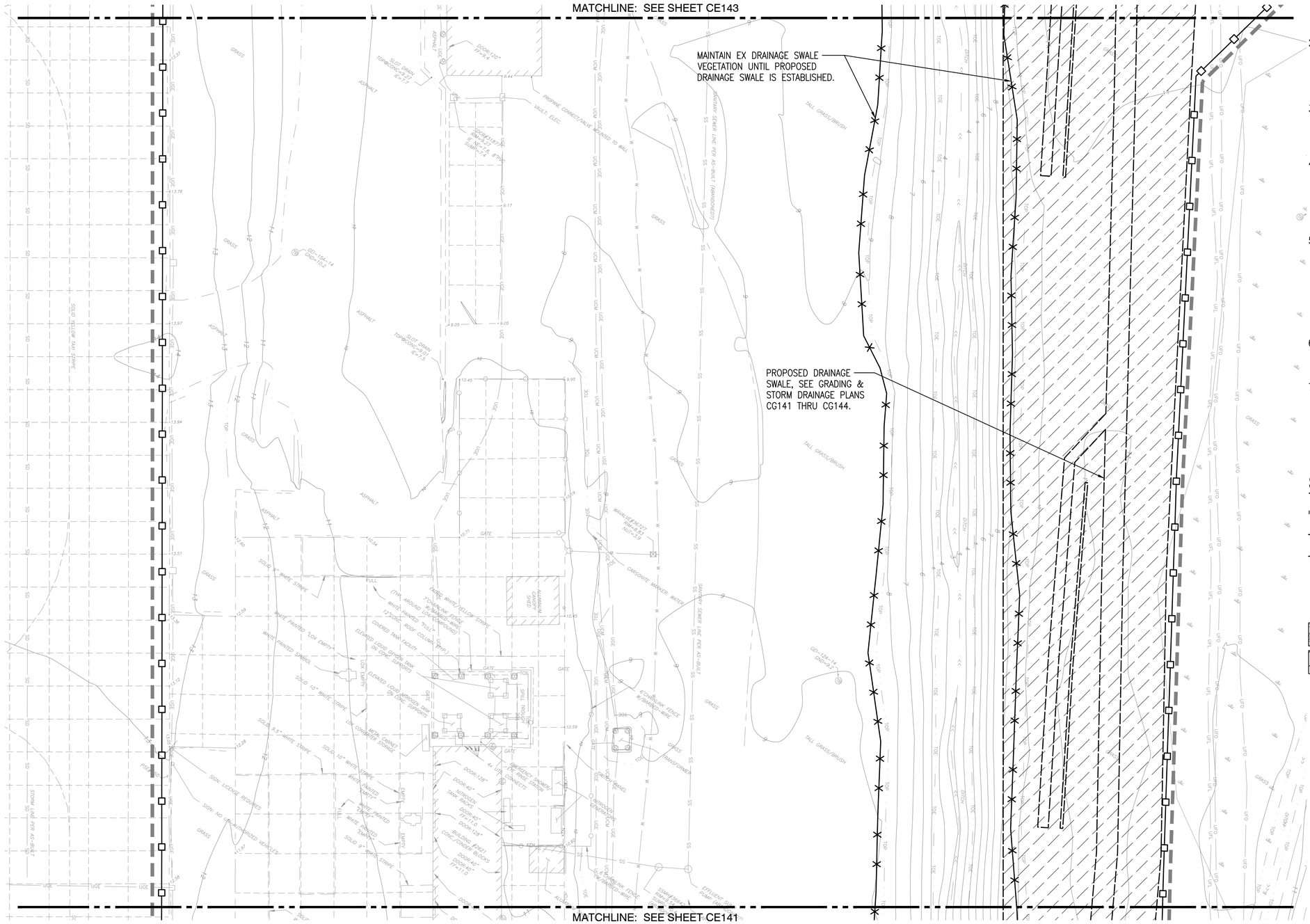

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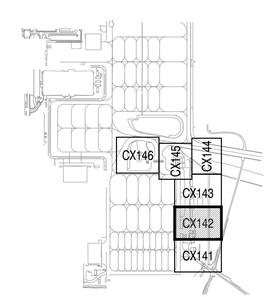

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SCALE: NONE

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SCALE IN FEET

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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A/E INFO

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FOR COMMANDER NAVFAC 3/12/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE | DRW KWP | CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD ~ OAK HARBOR, WA
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON T.E.S.C. PLAN

SCALE: AS SHOWN

EPROJECT NO.

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030326

SHEET 72 OF 302

CE142

DRAWFORM REVISION: 10 MARCH 2009

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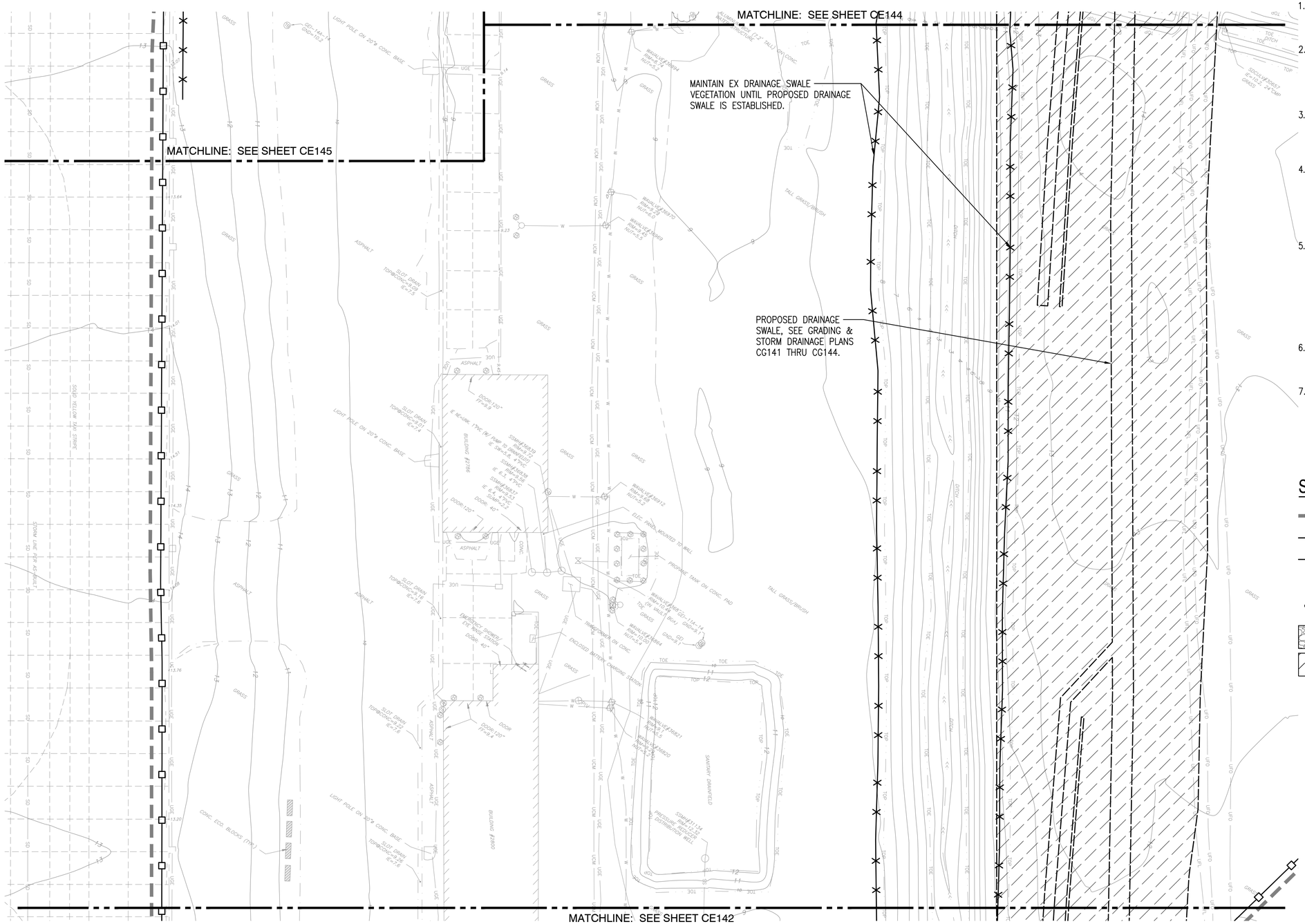

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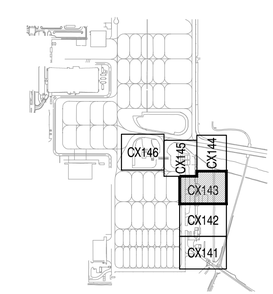

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ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

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XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
AULT FIELD - OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON T.E.S.C. PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030327

SHEET 73 OF 302

CE143

DRAWFORM REVISION: 10 MARCH 2009

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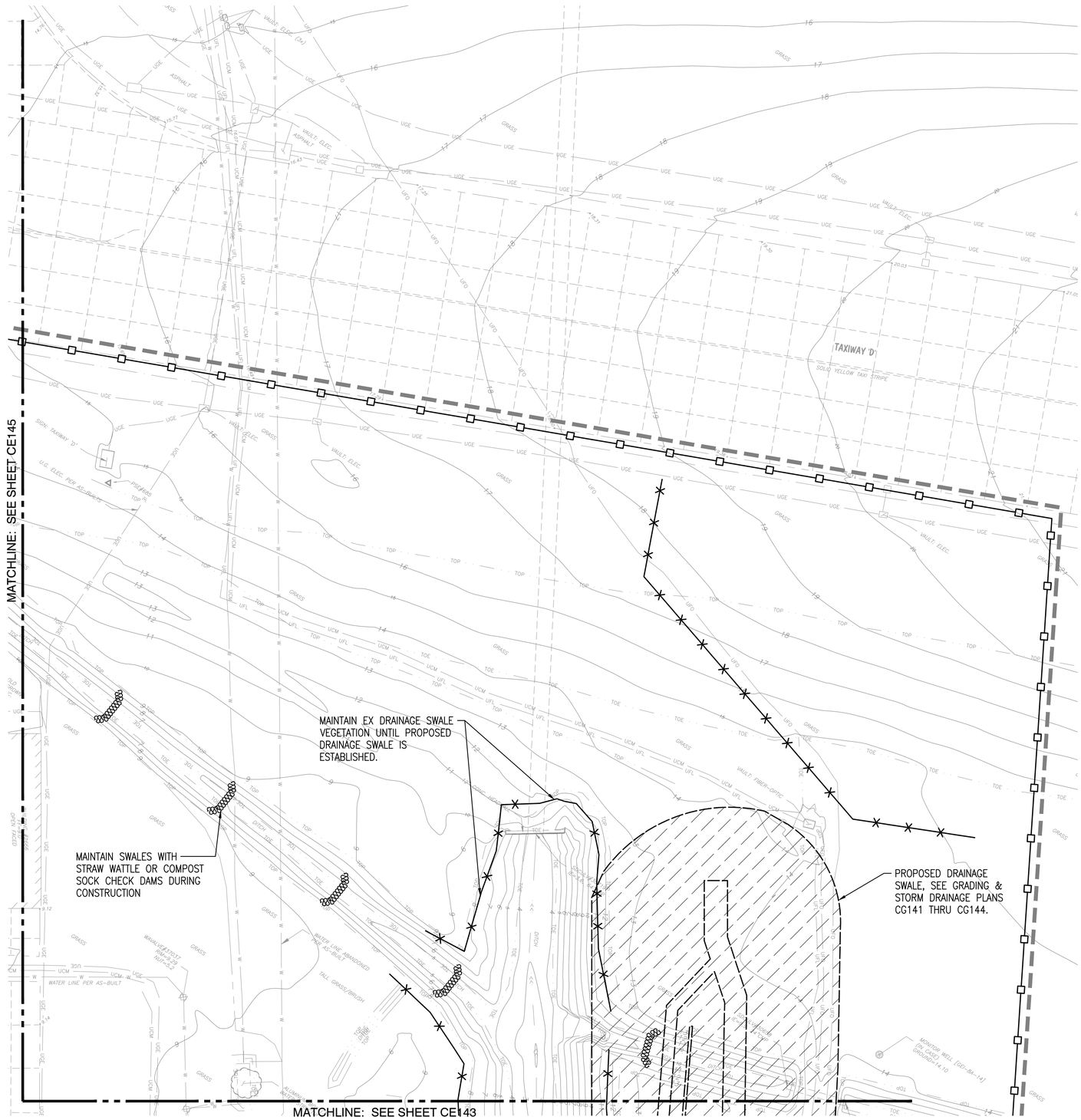

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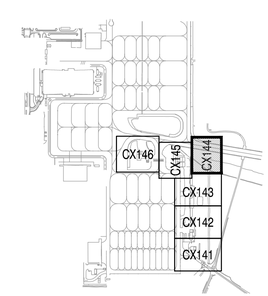

KEY PLAN

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ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
AULT FIELD - OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON T.E.S.C. PLAN

SCALE: AS SHOWN

EPROJECT NO.

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030328

SHEET 74 OF 302

CE144

DRAWFORM REVISION: 10 MARCH 2009

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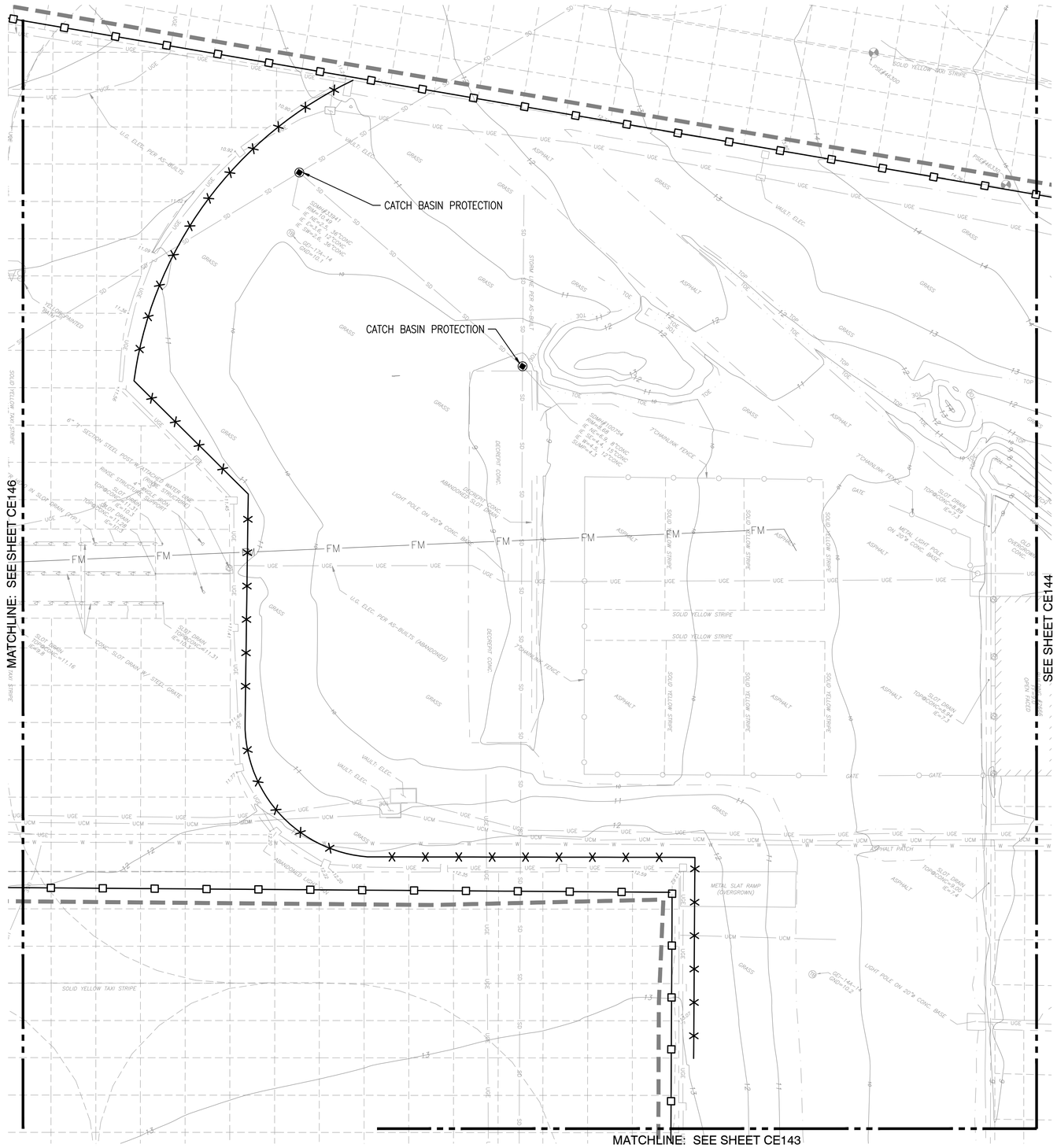

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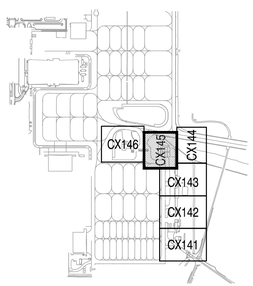

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NAVFAC

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ACTIVITY: NAS WHIDBEY ISLAND

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DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

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NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
AULT FIELD ~ OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND — OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON T.E.S.C. PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030329

SHEET 75 OF 302

CE145

DRAWFORM REVISION: 10 MARCH 2009

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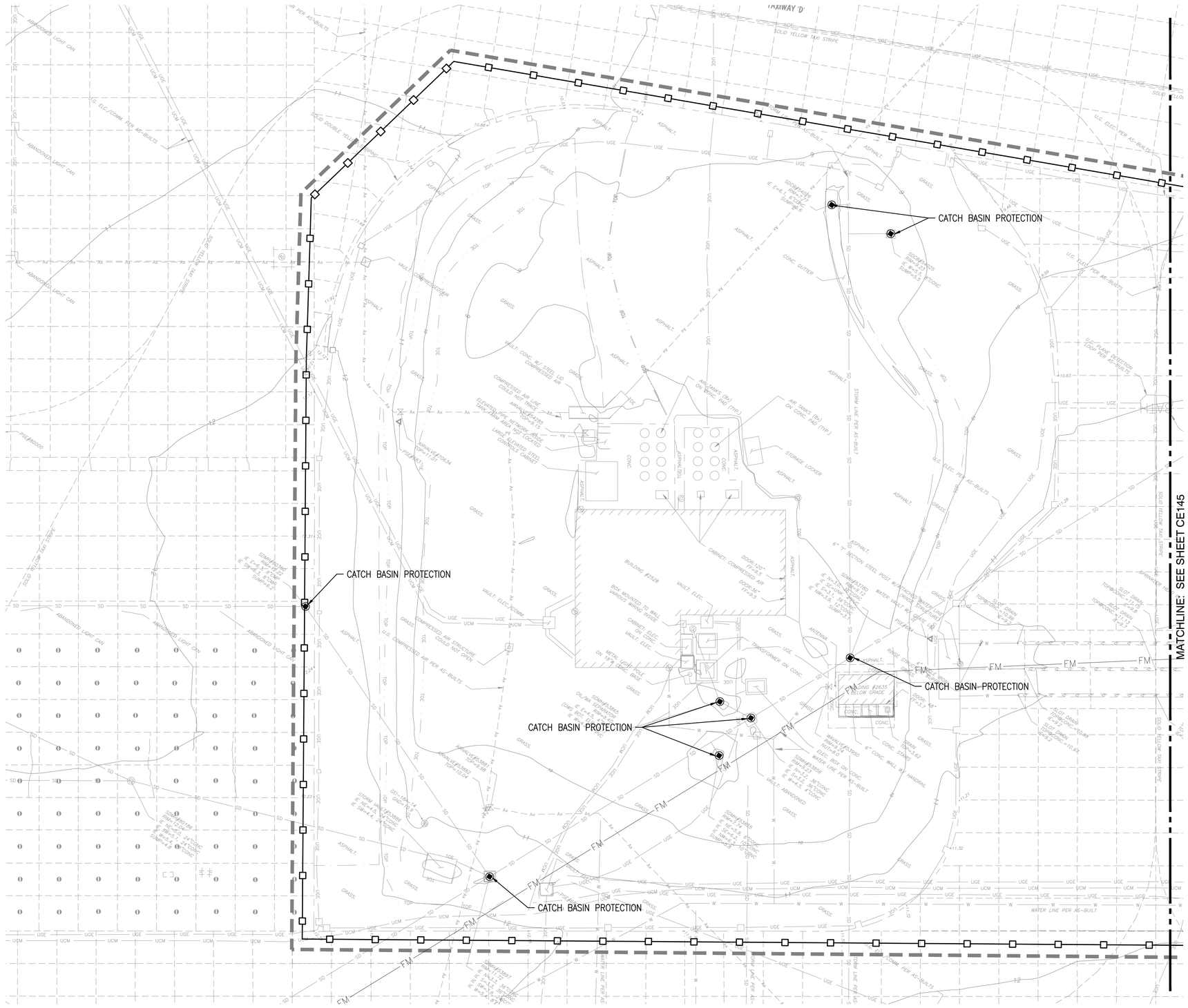

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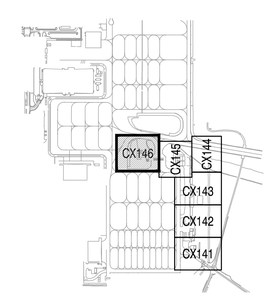

KEY PLAN

SCALE: NONE

						APPR
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NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
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NAVAL AIR STATION WHIDBEY ISLAND — OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON T.E.S.C. PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO.: N44255-15-C-6003

NAVFAC DRAWING NO.: 16030330

SHEET 76 OF 302

CE146

DRAWFORM REVISION: 10 MARCH 2009

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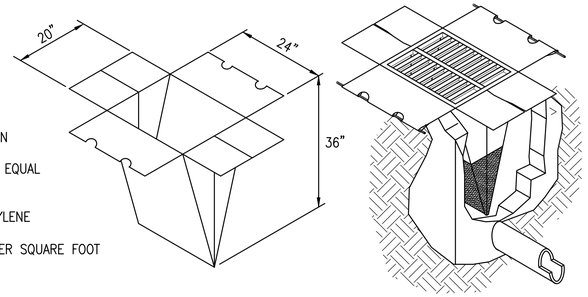
DIRECTIONS FOR USE:
- REMOVE DRAIN GRATE
- INSERT FILTER
- REPLACE GRATE TO HOLD IN POSITION

MANUFACTURER:
- FOSS ENVIRONMENTAL OR APPROVED EQUAL

SPECIFICATIONS:
- FILTERS MIN. 3 FEET DEEP
- CONSTRUCTED OF WOVEN POLYPROPYLENE
- SEAMS DOUBLE-STITCHED
- PERMEABILITY-40GAL. PER MINUTE PER SQUARE FOOT
- REUSEABLE OR THROW-AWAY

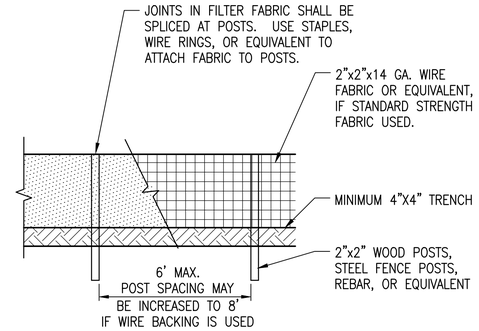


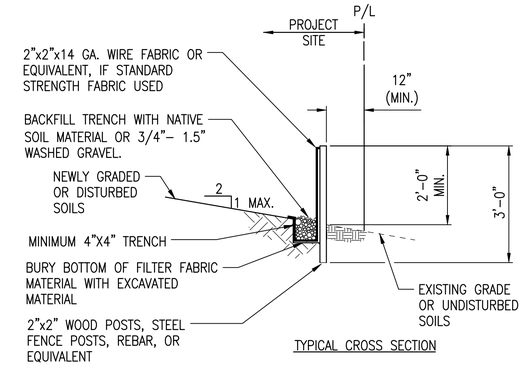
NOTES:

1. CATCH BASIN INSERTS SHALL BE INSTALLED PRIOR TO CLEARING AND GRADING ACTIVITY, OR UPON PLACEMENT OF A NEW CATCH BASIN.
2. CATCH BASIN INSERTS ARE ONLY TO BE INSTALLED IN DRAINAGE DEVICES PER THE MANUFACTURER'S RECOMMENDATIONS. CATCH BASIN INLET INSERTS ARE NOT TO BE INSTALLED IN CURB INLETS.
3. CATCH BASIN INSERTS SHALL BE INSPECTED AND MAINTAINED WHEN A 1/4 INCH RAIN ACCUMULATES WITHIN A 24 HOUR PERIOD.
4. INSPECTIONS SHOULD BE MADE ON A REGULAR BASIS, ESPECIALLY AFTER LARGE STORM EVENTS. INLET PROTECTION DEVICES SHALL BE CLEANED OR REMOVED AND REPLACED WHEN SEDIMENT HAS FILLED ONE-THIRD OF THE AVAILABLE STORAGE (UNLESS A DIFFERENT STANDARD IS SPECIFIED BY THE PRODUCT MANUFACTURER).
5. SEDIMENT REMOVAL SHALL BE ACCOMPLISHED BY REMOVING THE INLET INSERTS, EMPTYING, AND RE-INSERTING IT INTO THE CATCH BASIN.
6. DO NOT WASH SEDIMENT INTO STORM DRAINS WHILE CLEANING. SPREAD ALL EXCAVATED MATERIAL EVENLY OVER THE SURROUNDING LAND AREA OR STOCKPILE AND STABILIZE AS APPROPRIATE.
7. THIS BMP SHALL BE REMOVED WITHIN 5 BUSINESS DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED, OR AFTER IT IS NO LONGER NEEDED, WHICHEVER IS LONGER (BMP E3.65). IF INSERTS ARE REMOVED DURING TIMES OF FLOODING, THE BUILDER IS RESPONSIBLE FOR RE-INSTALLING THEM PER REGULATIONS.

CATCH BASIN / INLET PROTECTION DETAIL (C1)

SCALE: NTS — CE121, CE141 thru CE146





TYPICAL CROSS SECTION

MAINTENANCE STANDARDS

1. ANY DAMAGE TO THE FENCE SHALL BE REPAIRED IMMEDIATELY.
2. IF CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEY MUST BE INTERCEPTED AND CONVEYED TO A SEDIMENT TRAP OR POND.
3. IT IS IMPORTANT TO CHECK THE UPHILL SIDE OF THE FENCE FOR SIGNS OF THE FENCE CLOGGING AND ACTING AS A BARRIER TO FLOW AND THEN CAUSING CHANNELIZATION OF FLOWS PARALLEL TO THE FENCE. IF THIS OCCURS, REPLACE THE FENCE OR REMOVE THE TRAPPED SEDIMENT.
4. SEDIMENT MUST BE REMOVED WHEN THE SEDIMENT IS 6" HIGH.
5. IF THE FILTER FABRIC HAS DETERIORATED DUE TO ULTRAVIOLET BREAKDOWN, IT SHALL BE REPLACED.
6. WHERE THE FENCE IS INSTALLED, THE SLOPE SHALL BE NO STEEPER THAN 2H:1V.

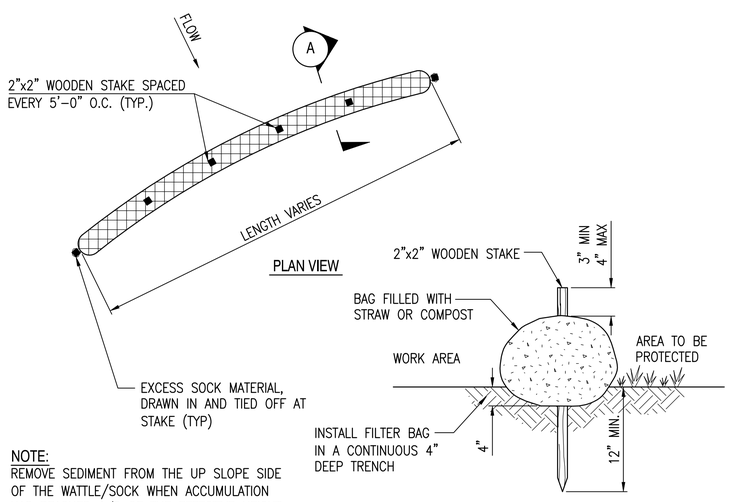
NOTE:

STANDARD STRENGTH FABRIC REQUIRES USE OF FABRIC REINFORCING. USE 2"x2" WIRE MESH, PRE-FABRICATED POLYMERIC MESH, SAFETY FENCE OR EQUAL TO INCREASE THE STRENGTH OF THE FABRIC. THE STRENGTH OF THE REINFORCING MATERIAL SHALL BE EQUIVALENT TO OR GREATER THAN 180 LBS GRAB TENSILE STRENGTH.

FILTER FABRIC SPECIFICATIONS	
AOS (ASTM D4751)	30 SIEVE MAX. SIZE (0.60 mm) FOR SLIT FILM WOVEN 50 MAX.-100 MIN. SIEVE SIZE (0.30-0.15 mm) FOR ALL OTHER GEOTEXTILE TYPES
WATER PERMITTIVITY (ASTM D4491)	0.02 SEC^{-1} MINIMUM
GRAB TENSILE STRENGTH (ASTM D4632)	180LBS MIN. FOR EXTRA STRENGTH FABRIC 100LBS MIN. FOR STANDARD STRENGTH FABRIC
GRAB TENSILE ELONGATION (ASTM D4632)	30% MAX.
ULTRAVIOLET RESISTANCE (ASTM D4355)	70% MAX.

FILTER FABRIC FENCE DETAIL (C3)

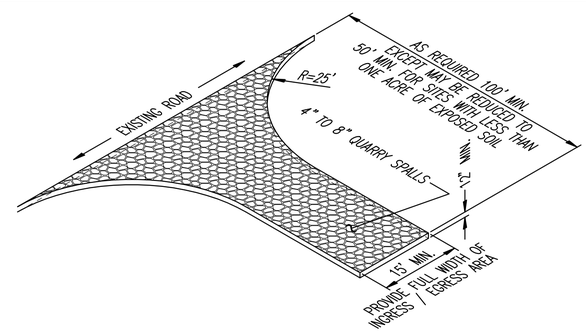
SCALE: NTS — CE111, CE121, CE141 thru CE146, CE503



NOTE:
REMOVE SEDIMENT FROM THE UP SLOPE SIDE OF THE WATTLE/SOCK WHEN ACCUMULATION HAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE BAG.

STRAW WATTLE \ COMPOST SOCK DETAIL (A1)

SCALE: NTS — CE111, CE141 thru CE146



MAINTENANCE STANDARDS

1. QUARRY SPALLS (TYPE I) SHALL BE ADDED IF THE PAD IS NO LONGER IN ACCORDANCE WITH THE SPECIFICATIONS.
2. A SEPARATION GEOTEXTILE SHALL BE PLACED UNDER THE QUARRY SPALLS TO PREVENT FINE SEDIMENT FROM PUMPING UP INTO THE ROCK PAD.
3. IF THE ENTRANCE IS NOT PREVENTING SEDIMENT FROM BEING TRACKED ONTO PAVEMENT, THEN ALTERNATIVE MEASURES TO KEEP THE ROADS FREE OF SEDIMENT SHALL BE USED. THESE MAY INCLUDE STREET SWEEPING, AN INCREASING IN THE DIMENSIONS OF THE ENTRANCE, OR INSTALLING A WHEEL WASH. IF WASHING IS USED, IT SHALL BE DONE ON AN AREA COVERED WITH CRUSHED ROCK, AND WASH WATER SHALL DRAIN TO A SEDIMENT TRAP.
4. ANY SEDIMENT THAT IS TRACKED ONTO PAVEMENT SHALL BE REMOVED IMMEDIATELY BY SWEEPING. THE SEDIMENT COLLECTED BY SWEEPING SHALL BE REMOVED OR STABILIZED ON-SITE. THE PAVEMENT SHALL NOT BE CLEANED BY WASHING DOWN THE STREET, EXCEPT WHEN SWEEPING IS INEFFECTIVE AND THERE IS A THREAT TO PUBLIC SAFETY. IF IT IS NECESSARY TO WASH THE STREETS, THE CONSTRUCTION OF A SMALL SUMP SHALL BE CONSIDERED. THE SEDIMENT WOULD THEN BE WASHED INTO THE SUMP.
5. ANY QUARRY SPALLS THAT ARE LOOSENED FROM THE PAD AND END UP ON THE ROADWAY SHALL BE REMOVED IMMEDIATELY.
6. IF VEHICLES ARE ENTERING OR EXITING THE SITE AT POINTS OTHER THAN THE CONSTRUCTION ENTRANCE(S), FENCING SHALL BE INSTALLED TO CONTROL TRAFFIC.

STABILIZED CONSTRUCTION ENTRANCE DETAIL (A3)

SCALE: NTS — CE111, CE141, CE503

APPR	DATE	DESCRIPTION	SYM

NAVFAC

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A/E INFO

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FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE | DRW KWP | CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

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DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
AULT FIELD - OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND — OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

T.E.S.C. DETAILS

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030331

SHEET 77 OF 302

CE501

DRAWFORM REVISION: 10 MARCH 2009

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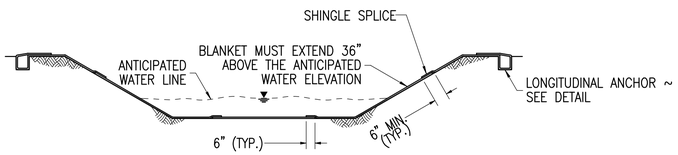
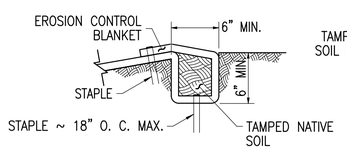
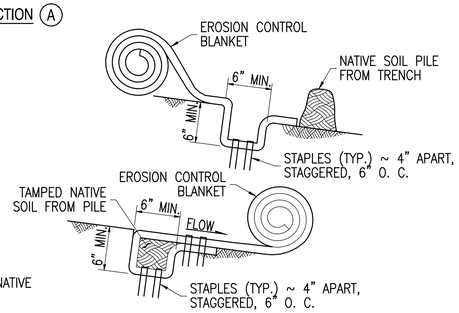


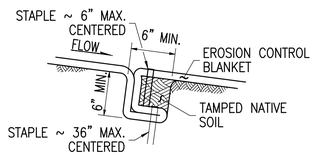
CHANNEL INSTALLATION ~ SECTION (A)



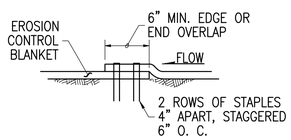
LONGITUDINAL ANCHOR DETAIL



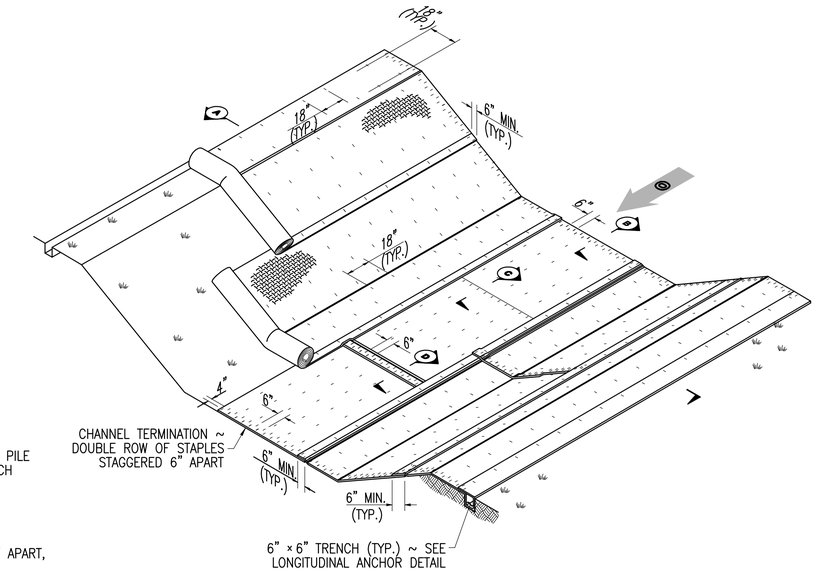
INITIAL ANCHOR ~ SECTION (B)



CHECK SLOT ~ SECTION (C)



SHINGLE SPLICE AT END OF ROLL SECTION (D)



ISOMETRIC VIEW

INSTALLATION STEPS:

1. PREPARE SMOOTH SLOPE.
2. AMEND SOIL AND SEED, AS SPECIFIED.
3. DIG ANCHOR TRENCH. SET ASIDE NATIVE SOIL REMOVED FROM TRENCH.
4. SECURE BLANKET IN ANCHOR TRENCH, STAKING OR STAPLING BLANKET AS SHOWN.
5. REPLACE NATIVE SOIL PREVIOUSLY REMOVED FROM TRENCH.
6. ROLL BLANKET PARALLEL TO THE SLOPE IN A CONTROLLED MANNER, TAKING CARE TO REMOVE EXCESS SLACK, AND TAKING CARE NOT TO STRETCH BLANKET.
7. STAKE OR STAPLE BLANKET AS SHOWN SO THERE ARE NO GAPS BETWEEN THE BLANKET AND THE SOIL. STAPLE WHILE UNROLLING BLANKET TO MINIMIZE WALKING ON BLANKET.

NOTES

1. MORE THAN THE MINIMUM OF ONE FASTENER PER SQUARE YARD MAY BE REQUIRED DUE TO CONDITIONS SUCH AS BLANKET COMPOSITION, SOIL TYPE, SURFACE UNIFORMITY, AND FLOW VELOCITY.
2. INSTALL CHECK SLOTS PER MANUFACTURER'S RECOMMENDATIONS.
3. USE MANUFACTURER'S REQUIREMENTS. WHEN MANUFACTURER'S REQUIREMENTS ARE NOT PROVIDED, USE INSTALLATION REQUIREMENTS SHOWN ON STANDARD PLAN.
4. ADDITIONAL STAPLES MAY BE REQUIRED FOR HIGH FLOW EXPOSURE.

EROSION CONTROL BLANKET DETAIL (B1)

SCALE: NTS

CE141 thru CE144, CP141, CP142

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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A/E INFO

APPROVED
FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

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DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
AULT FIELD ~ OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

T.E.S.C. DETAILS

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030332

SHEET 78 OF 302

CE502

DRAWFORM REVISION: 10 MARCH 2009

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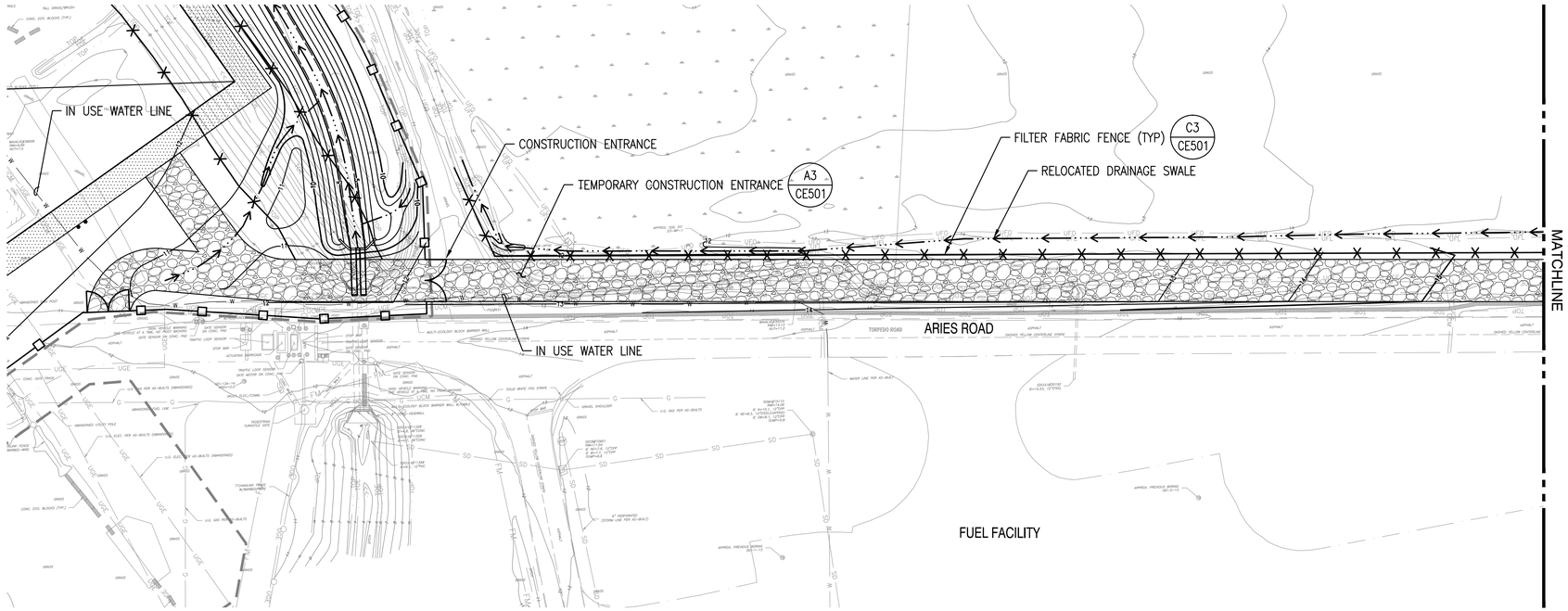
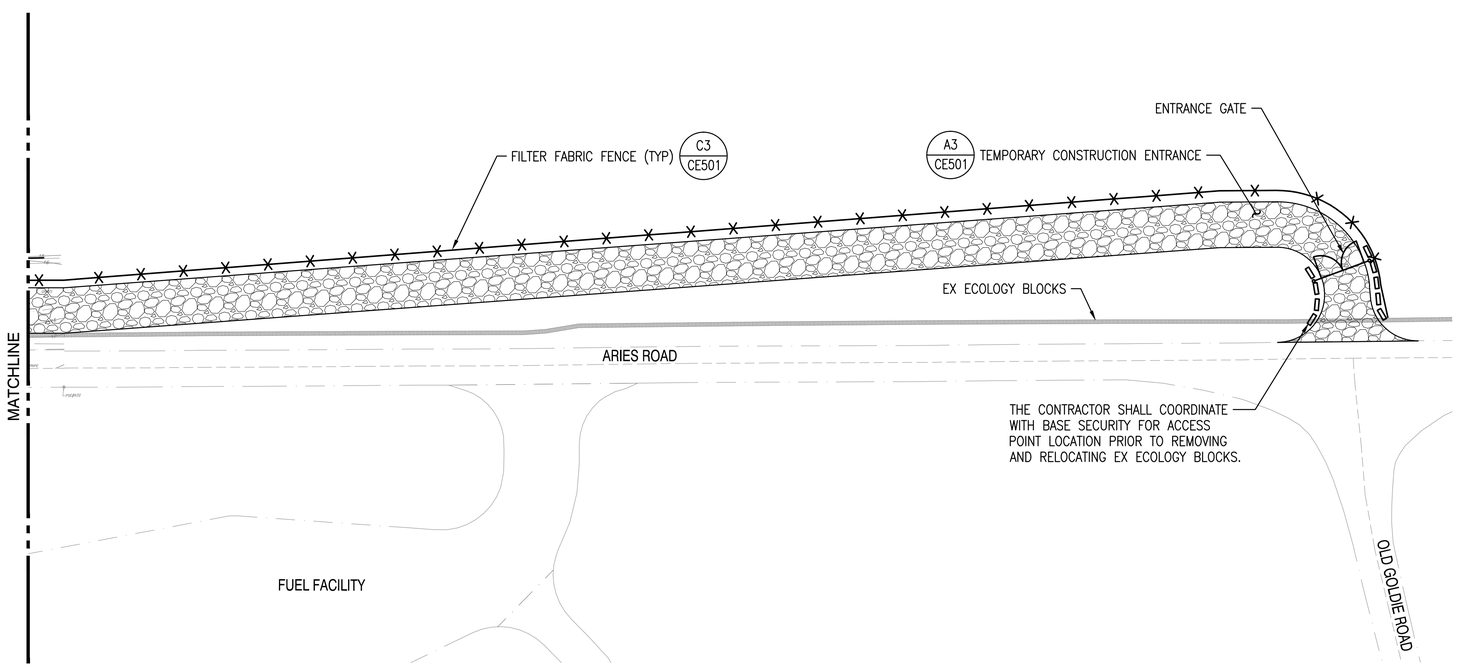


GENERAL NOTES:

1. PROTECT EXISTING UTILITIES EXPOSED TO CONSTRUCTION TRAFFIC AS NECESSARY TO PREVENT DAMAGE AND MAINTAIN SERVICES DURING CONSTRUCTION.

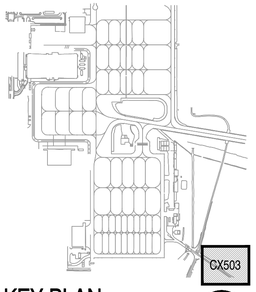


APRON T.E.S.C. CONSTRUCTION ENTRANCE

SCALE: 1"=40'

1" = 40'

0 40 80 120



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

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DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
AULT FIELD - OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT
APRON EXPANSION - PART A

APRON T.E.S.C. CONSTRUCTION ENTRANCE

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO.
N44255-15-C-6003

NAVFAC DRAWING NO.
16030333

SHEET 79 OF 302

CE503

DRAWFORM REVISION: 10 MARCH 2009

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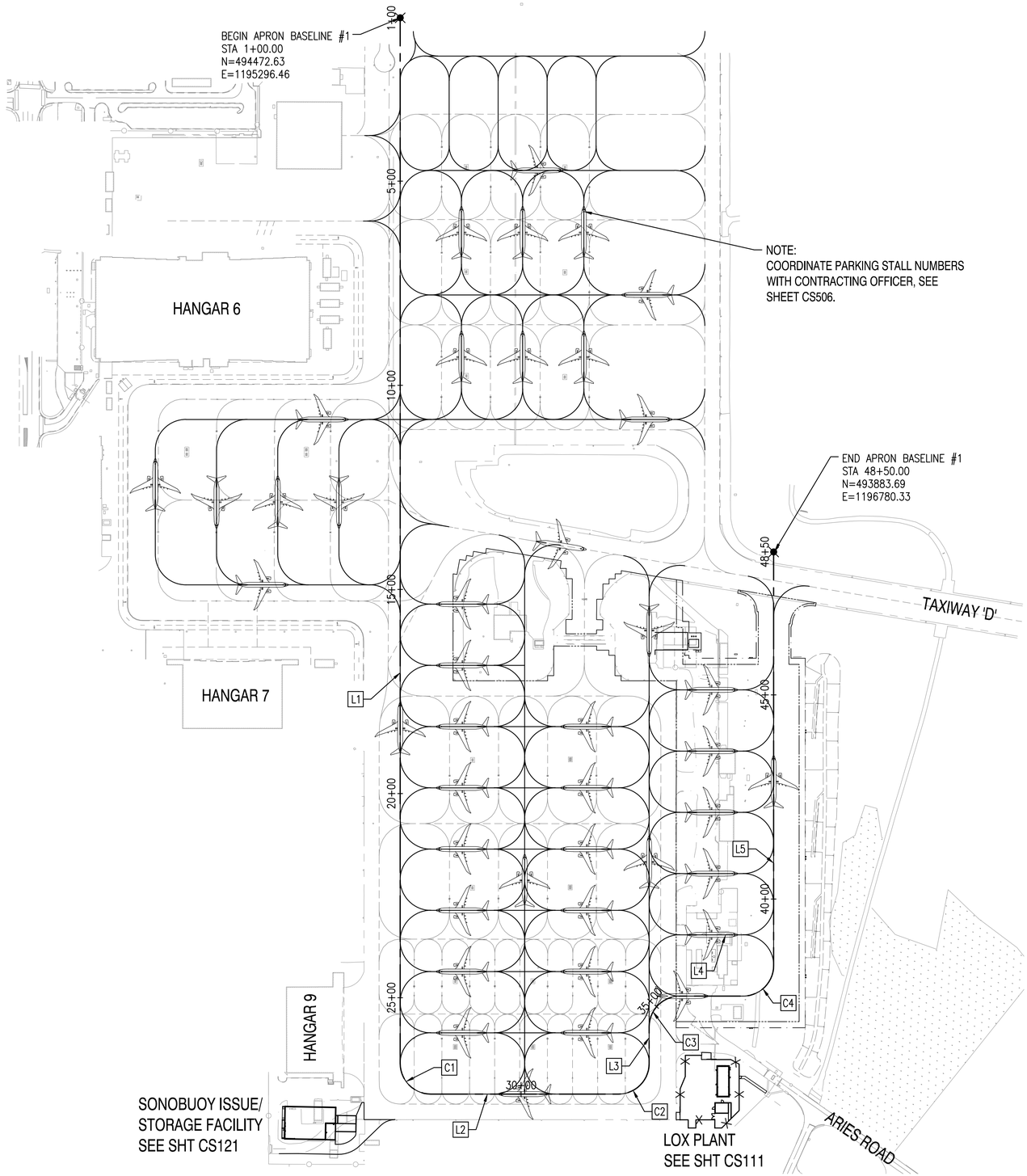


HORIZONTAL CONTROL & STRIPING OVERVIEW PLAN

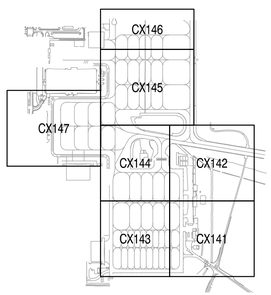
SCALE: 1"=150'

APRON BASELINE #1 ALIGNMENT TABLE					
LINE/CURVE	START STATION	END STATION	DIRECTION/DELTA	LENGTH	RADIUS
L1	1+00.00	26+61.00	S33°22'59"E	2561.00'	
C1	26+61.00	27+78.81	90°00'00"	117.81'	75.00'
L2	27+78.81	32+38.81	N56°37'01"E	460.00'	
C2	32+38.81	33+56.62	90°00'00"	117.81'	75.00'
L3	33+56.62	34+46.58	N33°22'59"W	89.96'	
C3	34+46.58	35+64.39	90°00'00"	117.81'	75.00'
L4	35+64.39	37+19.39	N56°37'01"E	155.00'	
C4	37+19.39	38+37.19	90°00'00"	117.81'	75.00'
L5	38+37.19	48+50.00	N33°22'59"W	1012.81'	

1" = 150

0 150 300 450

SCALE IN FEET



KEY PLAN

SCALE: NONE

APPR	DATE	DESCRIPTION	STM

NAVFAC

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CHIEF ENG/ARCH

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NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD - OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

HORIZONTAL CONTROL & STRIPING OVERVIEW PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO.
N44255-15-C-6003

NAVFAC DRAWING NO.
16030334

SHEET 80 OF 302

CS101

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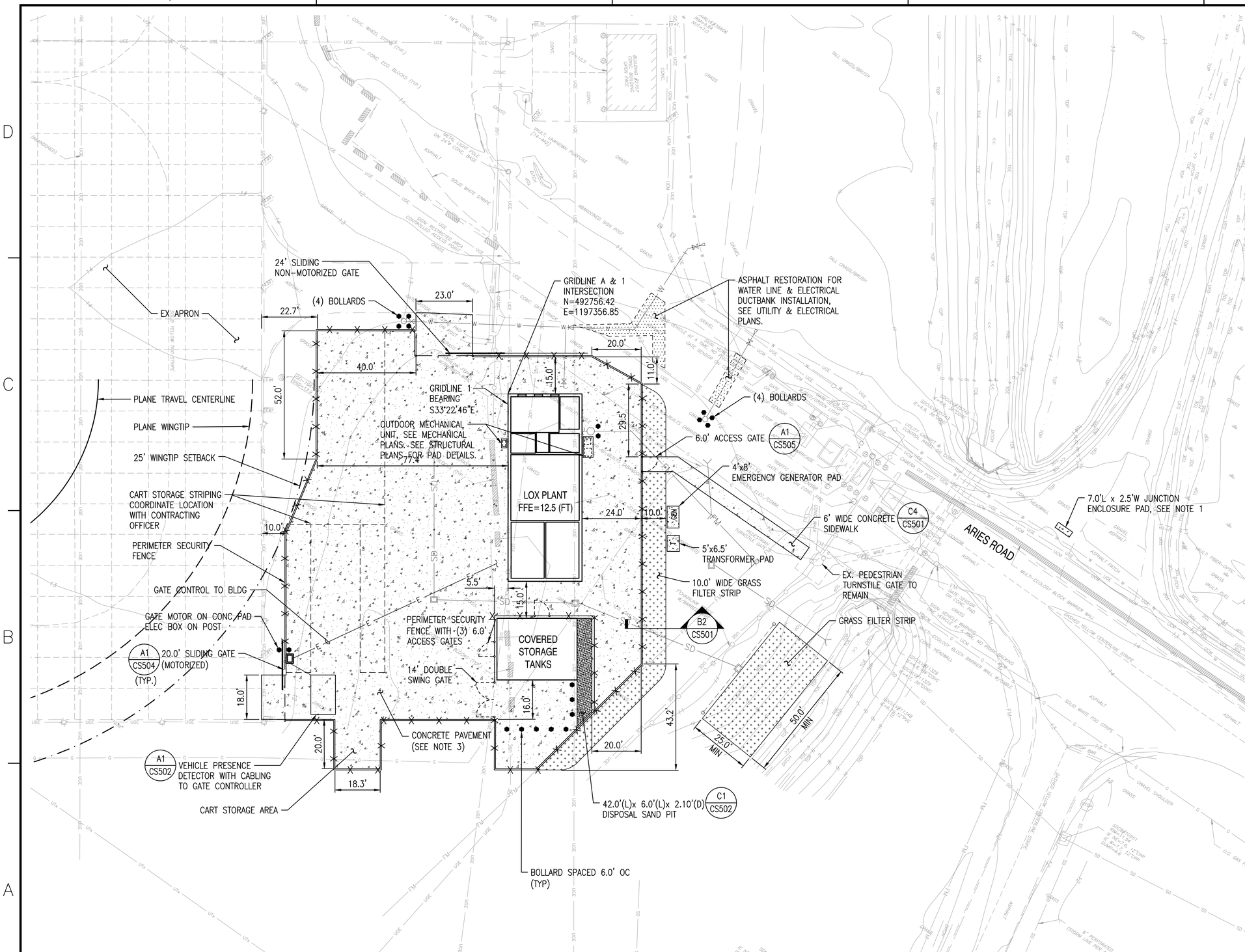


LOX PLANT HORIZONTAL CONTROL & PAVING PLAN

SCALE: 1" = 20'

1" = 20'

0 20 40 60

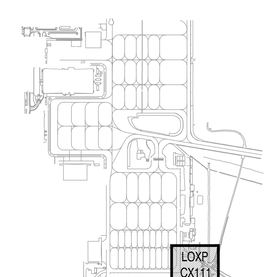
SCALE IN FEET

GENERAL NOTES:

1. SEE DETAIL C2 SHEET CS501 FOR ELECTRICAL EQUIPMENT PADS. SEE ELECTRICAL PLANS FOR EQUIPMENT AND ASSOCIATED CONDUITS.
2. SEE SHEET A-111 FOR BUILDING DIMENSIONS.
3. SEE CJ411 FOR CONCRETE JOINTING PLAN.

SHEET LEGEND:

- PERIMETER SECURITY FENCE — C1 / CS503
- SAWCUT LINE
- CONCRETE PAVEMENT/ SIDEWALK
- ASPHALT RESTORATION — B1 / CS501
- GRASS FILTER STRIP — B2 / CS501
- BOLLARD — C3 / CS502



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

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PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD – OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA
FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

LOX PLANT HORIZONTAL CONTROL & PAVING PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030335

SHEET 81 OF 302

CS111

DRAWFORM REVISION: 10 MARCH 2009

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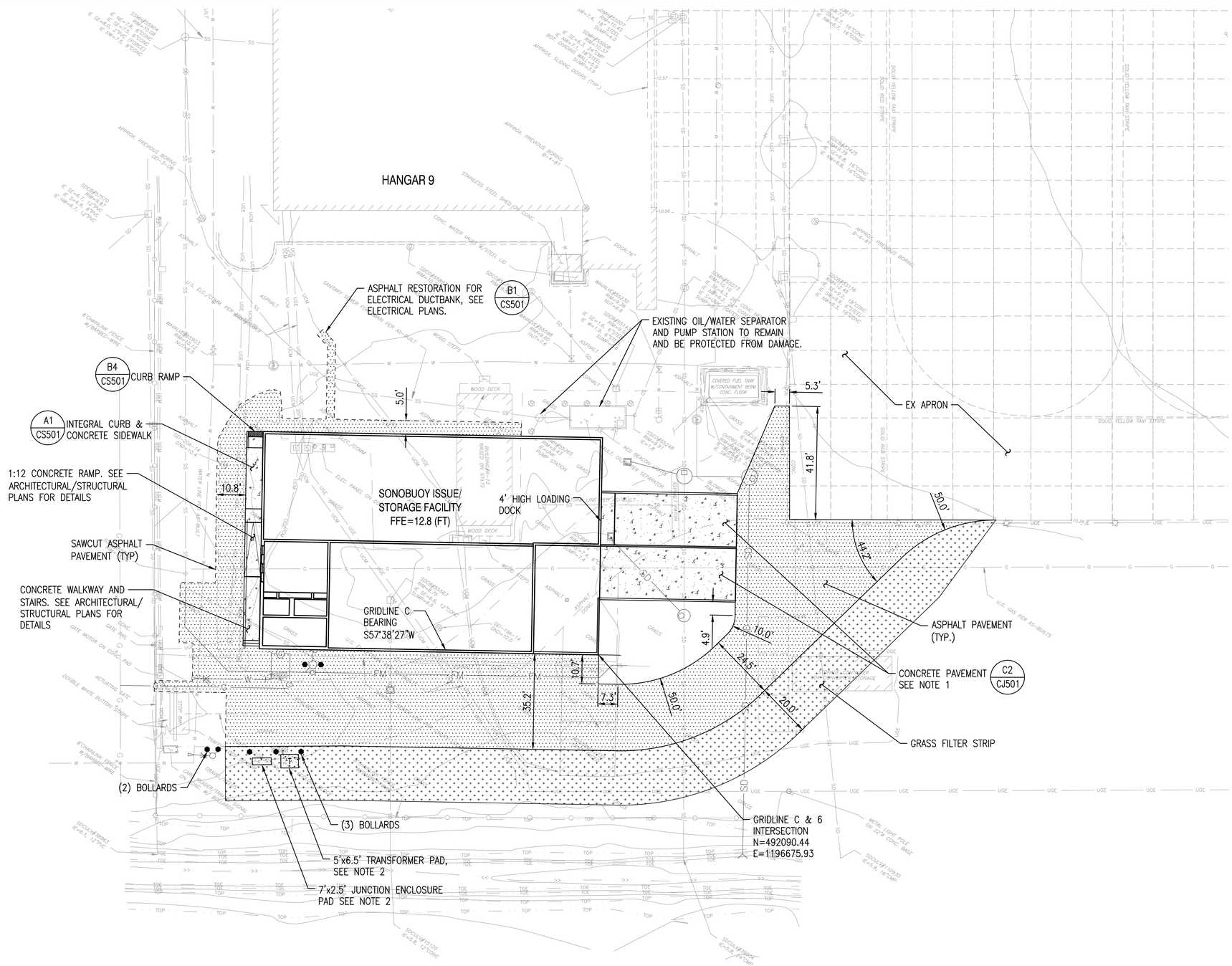


GENERAL NOTES:

1. SEE SHEET CJ421 FOR CONCRETE JOINTING PLAN.
2. SEE DETAIL C2 SHEET CS501 FOR ELECTRICAL EQUIPMENT PADS. SEE ELECTRICAL PLANS FOR EQUIPMENT AND ASSOCIATED CONDUITS.
3. SEE SHEET A-121 FOR BUILDING DIMENSIONS.

SHEET LEGEND:

- SAWCUT LINE
- CONCRETE PAVEMENT/ SIDE WALK
- ASPHALT PAVEMENT — C1 CS501
- GRASS FILTER STRIP — B2 CS501
- BOLLARD — C3 CS502

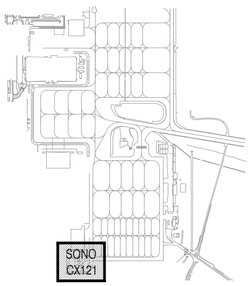
SONOBUOY ISSUE/STORAGE FACILITY HORIZONTAL CONTROL & PAVING PLAN

SCALE: 1" = 20'

1" = 20'

0 20 40 60

SCALE IN FEET



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARTZ, STATE OF WASHINGTON, 25446, REGISTERED PROFESSIONAL ENGINEER, 2/12/15

kpff Consulting Engineers
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Seattle, Washington 98101-3665
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A/E INFO

APPROVED
FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
AULT FIELD - OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

SONOBUOY ISSUE/STORAGE FACILITY HORIZONTAL CONTROL & PAVING PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO.: N44255-15-C-6003

NAVFAC DRAWING NO.: 16030336

SHEET 82 OF 302

CS121

DRAWFORM REVISION: 10 MARCH 2009

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kurtp
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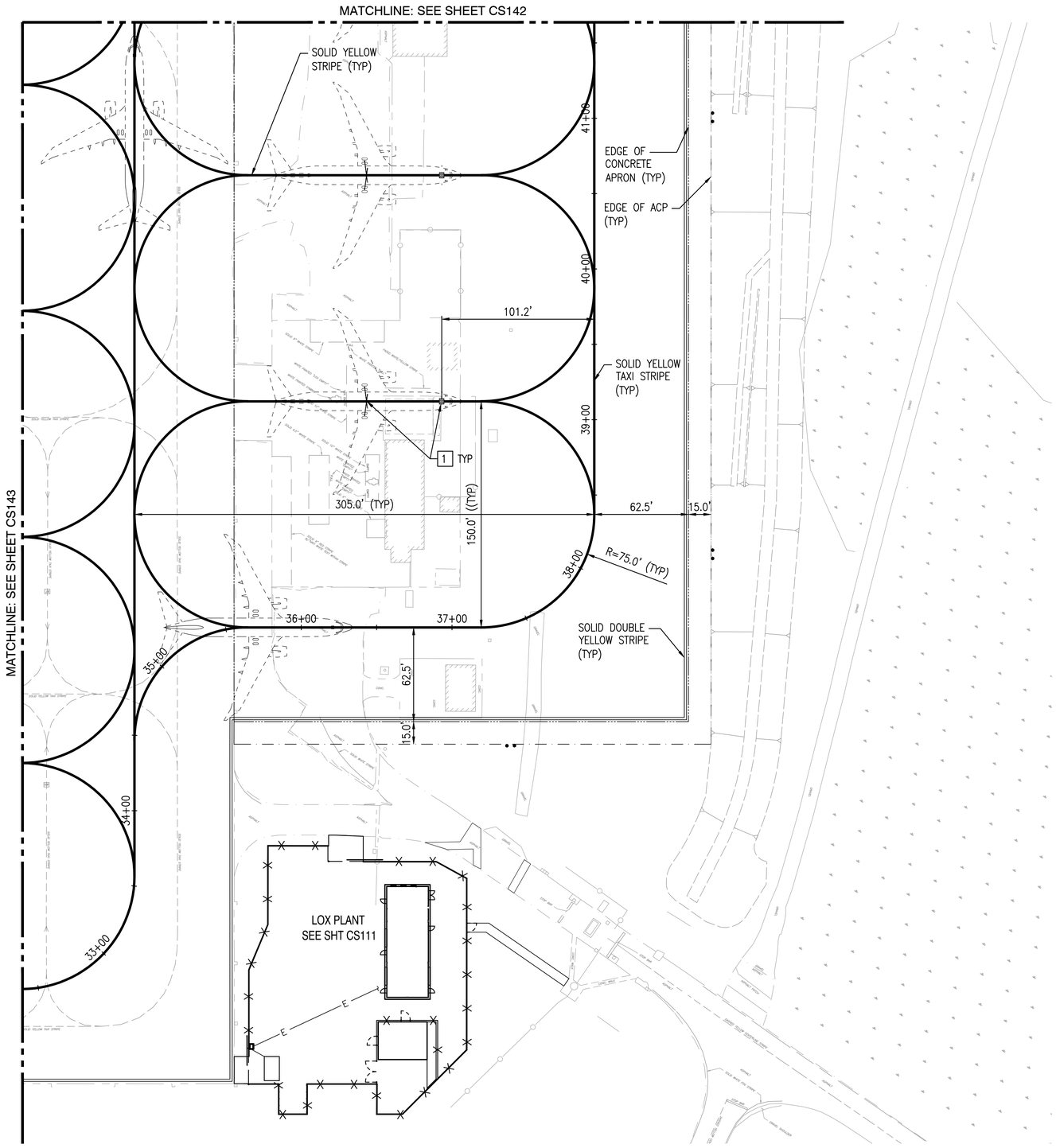


APRON HORIZONTAL CONTROL & STRIPING PLAN

SCALE: 1"=40'

1" = 40'

0 40 80 120

SCALE IN FEET

GENERAL NOTES:

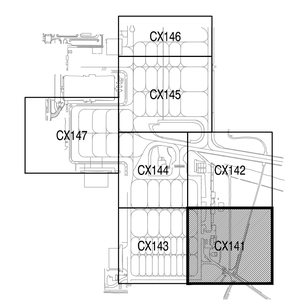
1. APRON AND TAXI LANE STRIPES TO TIE INTO EXISTING STRIPING, AS INDICATED ON PLANS.
2. REFER TO THE APRON STRIPING DEMOLITION SHEETS CD151 THRU CD157 FOR THE REMOVAL OF EXISTING APRON AND TAXI LANE MARKINGS.
3. SEE SHEET CS101 FOR BASELINE HORIZONTAL CONTROL.

SHEET LEGEND:

- SOLID YELLOW TAXI STRIPE (C3 CS506)
- SOLID DOUBLE YELLOW STRIPE (B2 CS506)
- EDGE OF ACP
- EDGE OF CONCRETE APRON

FLAG NOTES:

1. FOR P-8A GROUNDING POINTS, TIE-DOWN POINTS AND APRON MARKINGS, SEE DETAIL A1 SHEET CS506.
2. TIE INTO EXISTING STRIPING (MEET & MATCH EX)
3. EXISTING STRIPING TO REMAIN



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARZ, STATE OF WASHINGTON, 25448, REGISTERED PROFESSIONAL ENGINEER, 3/12/15

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A/E INFO

APPROVED: FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE | DRW KWP | CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD - OAK HARBOR, WA
NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON HORIZONTAL CONTROL & STRIPING PLAN

SCALE: AS SHOWN

EPROJECT NO.

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030337

SHEET 83 OF 302

CS141

DRAWFORM REVISION: 10 MARCH 2009

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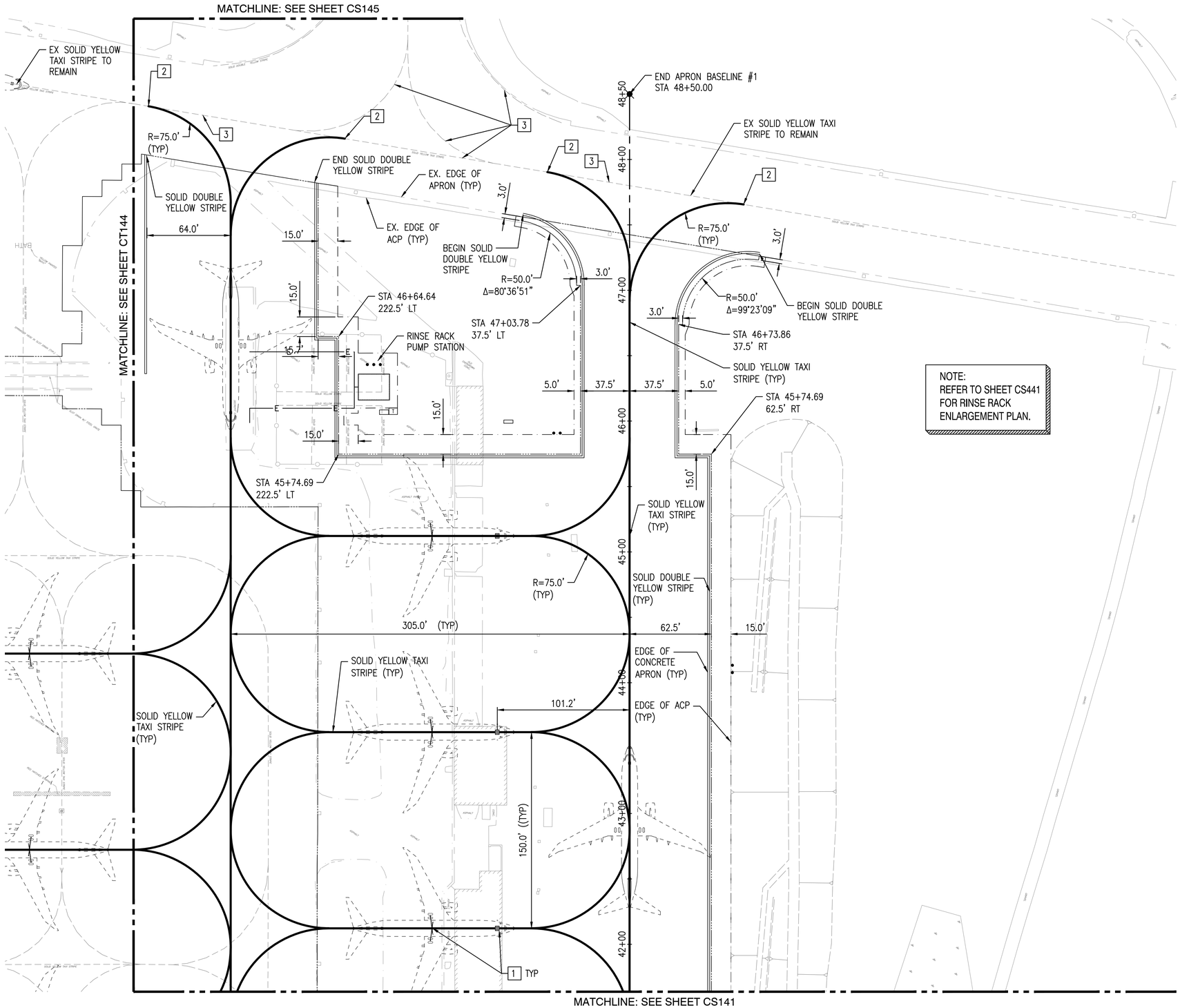


NOTE:
REFER TO SHEET CS441 FOR RINSE RACK ENLARGEMENT PLAN.

APRON HORIZONTAL CONTROL & STRIPING PLAN

SCALE: 1"=40'

1" = 40'

0 40 80 120

SCALE IN FEET

GENERAL NOTES:

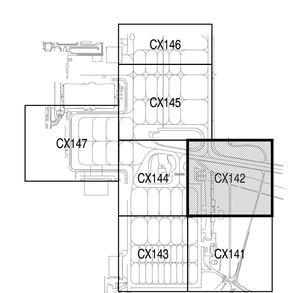
1. APRON AND TAXI LANE STRIPES TO TIE INTO EXISTING STRIPING, AS INDICATED ON PLANS.
2. REFER TO THE APRON STRIPING DEMOLITION SHEETS CD151 THRU CD157 FOR THE REMOVAL OF EXISTING APRON AND TAXI LANE MARKINGS.
3. SEE SHEET CS101 FOR BASELINE HORIZONTAL CONTROL.

SHEET LEGEND:

- SOLID YELLOW TAXI STRIPE (C3 CS506)
- SOLID DOUBLE YELLOW STRIPE (B2 CS506)
- EDGE OF ACP
- EDGE OF CONCRETE APRON

FLAG NOTES:

1. FOR P-8A GROUNDING POINTS, TIE-DOWN POINTS AND APRON MARKINGS, SEE DETAIL A1 SHEET CS506.
2. TIE INTO EXISTING STRIPING (MEET & MATCH EX)
3. EXISTING STRIPING TO REMAIN



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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A/E INFO

APPROVED: FOR COMMANDER NAVFAC 3/12/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

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DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD – OAK HARBOR, WA
NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA
FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A
APRON HORIZONTAL CONTROL & STRIPING PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030338

SHEET 84 OF 302

CS142

DRAWFORM REVISION: 10 MARCH 2009

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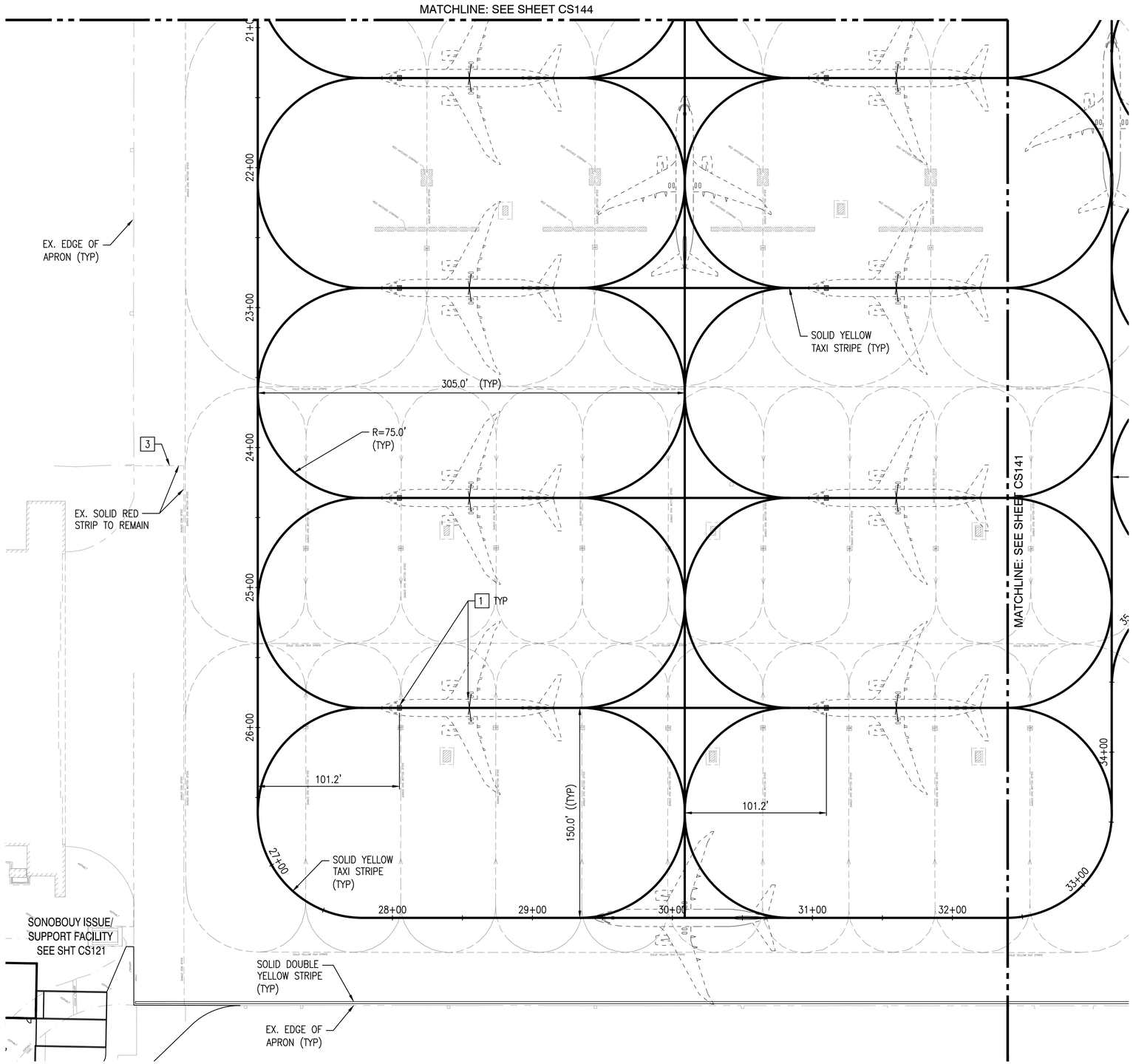


APRON HORIZONTAL CONTROL & STRIPING PLAN

SCALE: 1"=40'

1" = 40'

0 40 80 120

SCALE IN FEET

GENERAL NOTES:

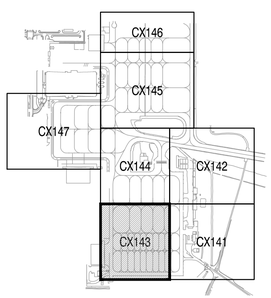
1. APRON AND TAXI LANE STRIPES TO TIE INTO EXISTING STRIPING, AS INDICATED ON PLANS.
2. REFER TO THE APRON STRIPING DEMOLITION SHEETS CD151 THRU CD157 FOR THE REMOVAL OF EXISTING APRON AND TAXI LANE MARKINGS.
3. SEE SHEET CS101 FOR BASELINE HORIZONTAL CONTROL.

SHEET LEGEND:

- SOLID YELLOW TAXI STRIPE (C3 / CS506)
- SOLID DOUBLE YELLOW STRIPE (B2 / CS506)
- EDGE OF ACP
- EDGE OF CONCRETE APRON

FLAG NOTES:

1. FOR P-8A GROUNDING POINTS, TIE-DOWN POINTS AND APRON MARKINGS, SEE DETAIL A1 SHEET CS506.
2. TIE INTO EXISTING STRIPING (MEET & MATCH EX)
3. EXISTING STRIPING TO REMAIN



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARZ, STATE OF WASHINGTON, 25448, REGISTERED PROFESSIONAL ENGINEER, 2/12/15

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A/E INFO

APPROVED: FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE | DRW KWP | CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD – OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON HORIZONTAL CONTROL & STRIPING PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030339

SHEET 85 OF 302

CS143

DRAWFORM REVISION: 10 MARCH 2009

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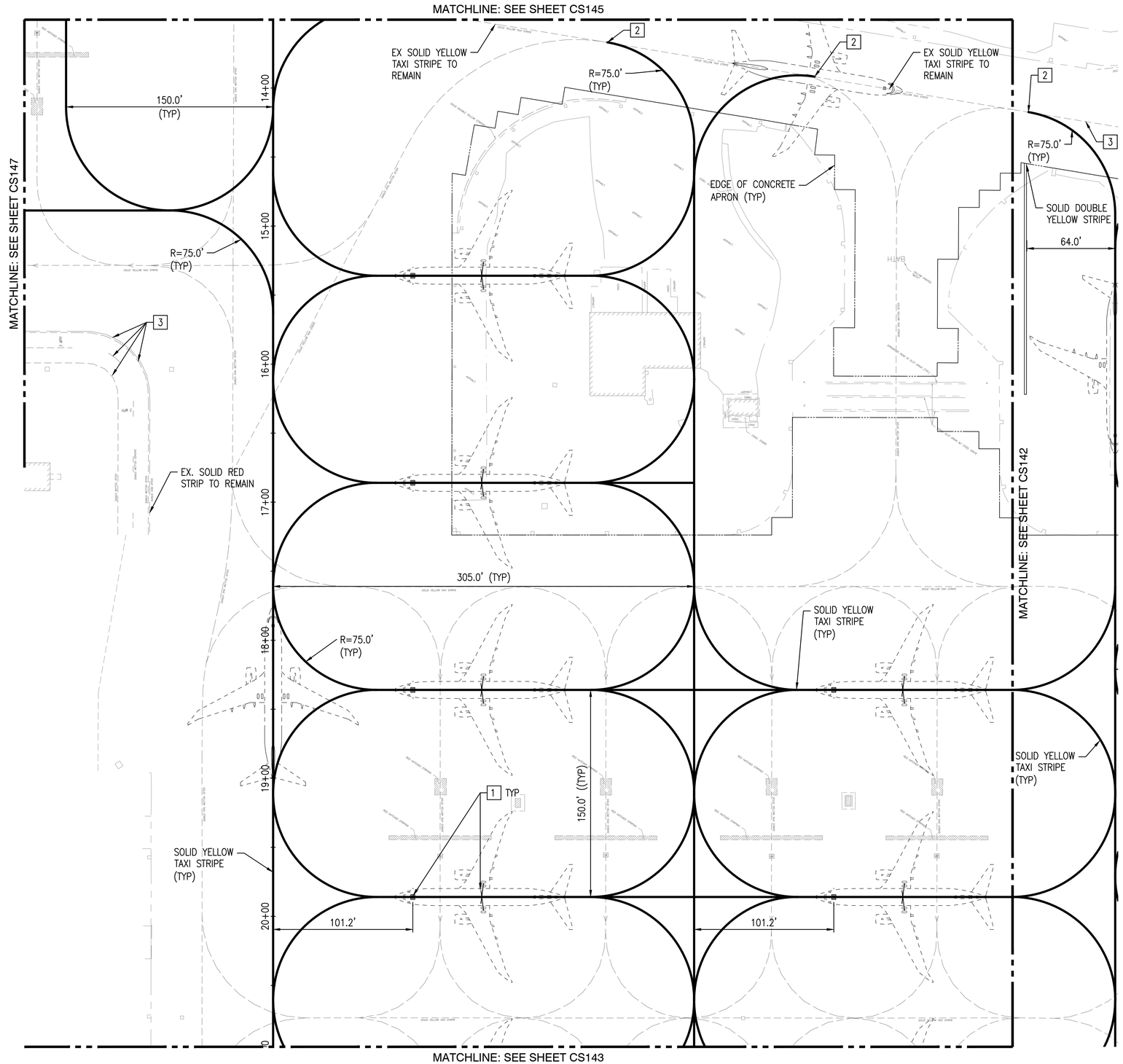


APRON HORIZONTAL CONTROL & STRIPING PLAN

SCALE: 1"=40'

1" = 40'

0 40 80 120

SCALE IN FEET

GENERAL NOTES:

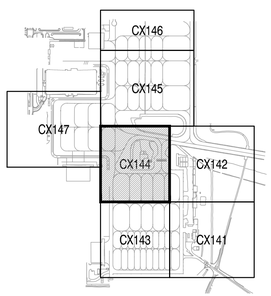
1. APRON AND TAXI LANE STRIPES TO TIE INTO EXISTING STRIPING, AS INDICATED ON PLANS.
2. REFER TO THE APRON STRIPING DEMOLITION SHEETS CD151 THRU CD157 FOR THE REMOVAL OF EXISTING APRON AND TAXI LANE MARKINGS.
3. SEE SHEET CS101 FOR BASELINE HORIZONTAL CONTROL.

SHEET LEGEND:

- SOLID YELLOW TAXI STRIPE (C3 CS506)
- SOLID DOUBLE YELLOW STRIPE (B2 CS506)
- EDGE OF ACP
- EDGE OF CONCRETE APRON

FLAG NOTES:

1. FOR P-8A GROUNDING POINTS, TIE-DOWN POINTS AND APRON MARKINGS, SEE DETAIL A1 SHEET CS506.
2. TIE INTO EXISTING STRIPING (MEET & MATCH EX)
3. EXISTING STRIPING TO REMAIN



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARZ, STATE OF WASHINGTON, 25446, REGISTERED PROFESSIONAL ENGINEER, 2/12/15

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A/E INFO

APPROVED

FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD ~ OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON HORIZONTAL CONTROL & STRIPING PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030340

SHEET 86 OF 302

CS144

DRAWFORM REVISION: 10 MARCH 2009

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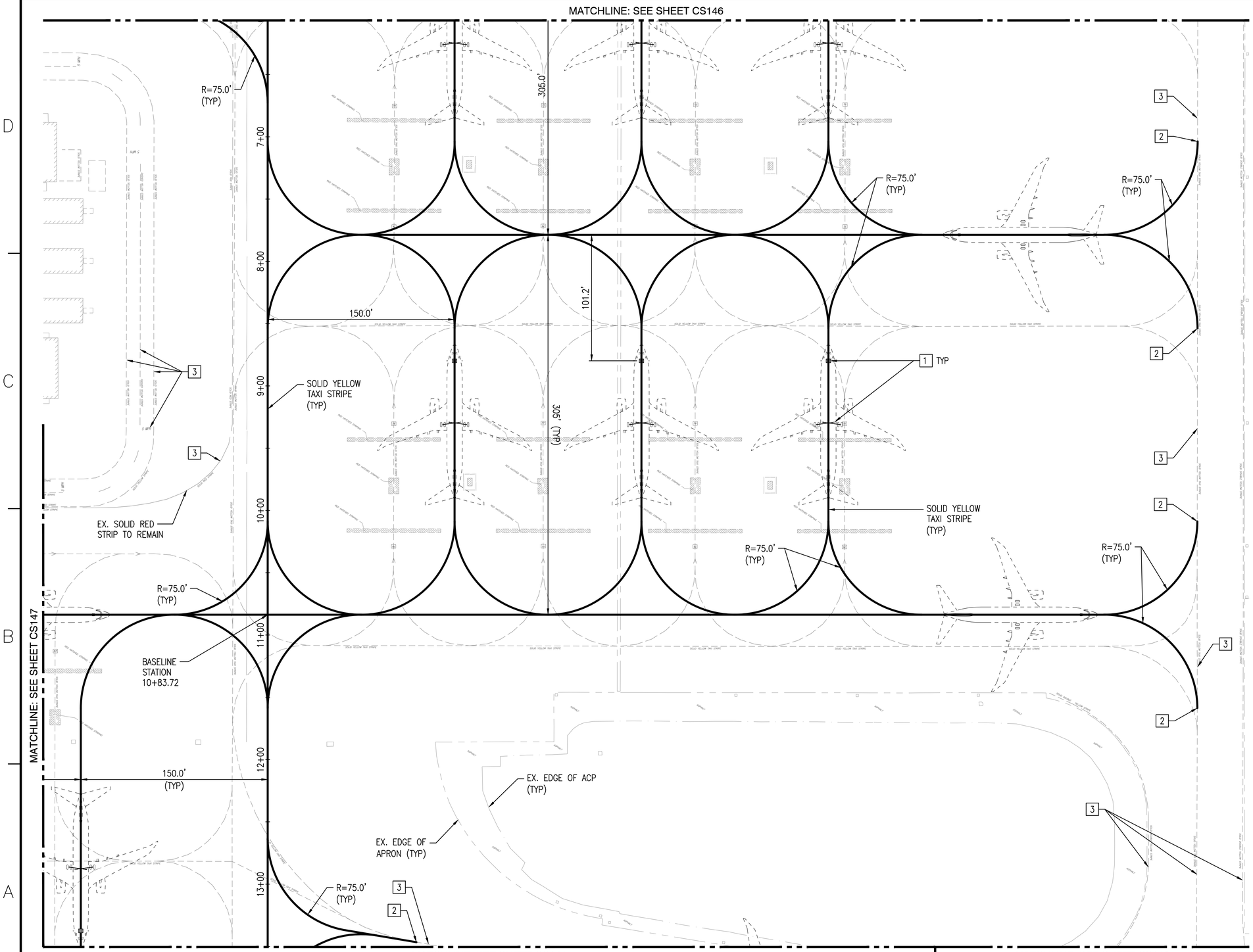


APRON HORIZONTAL CONTROL & STRIPING PLAN

SCALE: 1"=40'

1" = 40'

0 40 80 120

SCALE IN FEET

GENERAL NOTES:

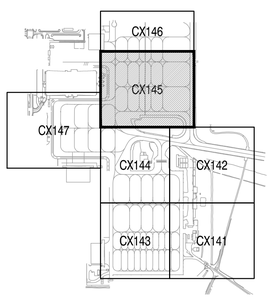
1. APRON AND TAXI LANE STRIPES TO TIE INTO EXISTING STRIPING, AS INDICATED ON PLANS.
2. REFER TO THE APRON STRIPING DEMOLITION SHEETS CD151 THRU CD157 FOR THE REMOVAL OF EXISTING APRON AND TAXI LANE MARKINGS.
3. SEE SHEET CS101 FOR BASELINE HORIZONTAL CONTROL.

SHEET LEGEND:

- SOLID YELLOW TAXI STRIPE (C3 / CS506)
- SOLID DOUBLE YELLOW STRIPE (B2 / CS506)
- EDGE OF ACP
- EDGE OF CONCRETE APRON

FLAG NOTES:

1. FOR P-8A GROUNDING POINTS, TIE-DOWN POINTS AND APRON MARKINGS, SEE DETAIL A1 SHEET CS506.
2. TIE INTO EXISTING STRIPING (MEET & MATCH EX)
3. EXISTING STRIPING TO REMAIN



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARZ, STATE OF WASHINGTON, 25446, REGISTERED PROFESSIONAL ENGINEER, 2/12/15

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A/E INFO

APPROVED
FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE | DRW KWP | CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD ~ OAK HARBOR, WA
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON HORIZONTAL CONTROL & STRIPING PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030341

SHEET 87 OF 302

CS145

DRAWFORM REVISION: 10 MARCH 2009

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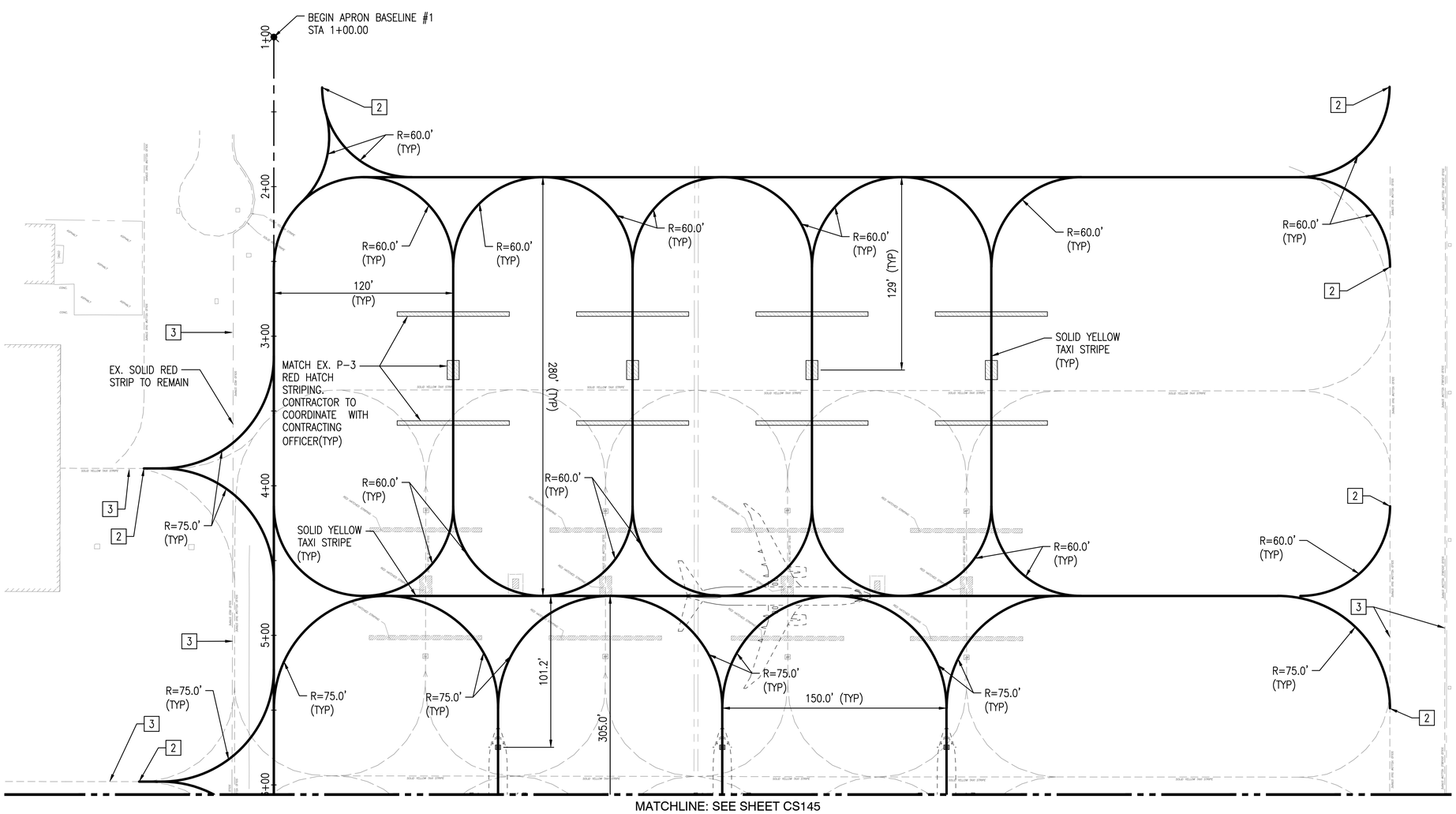

GENERAL NOTES:

1. APRON AND TAXI LANE STRIPES TO TIE INTO EXISTING STRIPING, AS INDICATED ON PLANS.
2. REFER TO THE APRON STRIPING DEMOLITION SHEETS CD151 THRU CD157 FOR THE REMOVAL OF EXISTING APRON AND TAXI LANE MARKINGS.
3. SEE SHEET CS101 FOR BASELINE HORIZONTAL CONTROL.

SHEET LEGEND:

- SOLID YELLOW TAXI STRIPE (C3 CS506)
- SOLID DOUBLE YELLOW STRIPE (B2 CS506)
- EDGE OF ACP
- EDGE OF CONCRETE APRON

FLAG NOTES:

1. FOR P-8A GROUNDING POINTS, TIE-DOWN POINTS AND APRON MARKINGS, SEE DETAIL A1 SHEET CS506.
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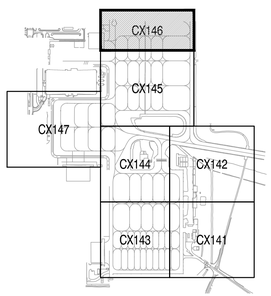
3. EXISTING STRIPING TO REMAIN



KEY PLAN

SCALE: NONE

APRON HORIZONTAL CONTROL & STRIPING PLAN

SCALE: 1"=40'

1" = 40'
0 40 80 120
SCALE IN FEET

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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A/E INFO

APPROVED
FOR COMMANDER NAVFAC 3/2/15

ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD ~ OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA
FY-15 MCON PROJECT P-259 P-8A AIRCRAFT
APRON EXPANSION - PART A

APRON HORIZONTAL CONTROL & STRIPING PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030342

SHEET 88 OF 302

CS146

DRAWFORM REVISION: 10 MARCH 2009

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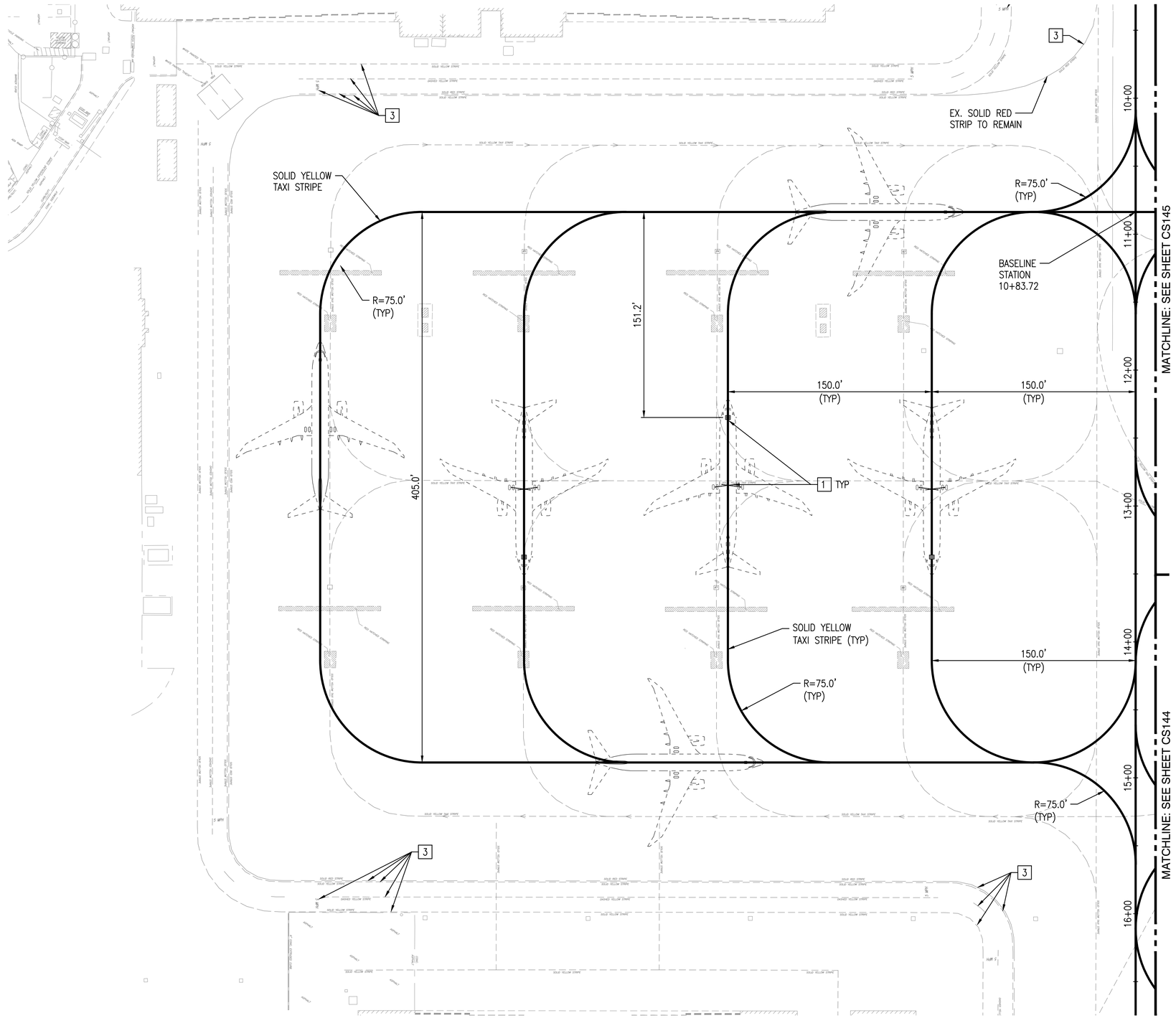

APRON HORIZONTAL CONTROL & STRIPING PLAN

SCALE: 1"=40'

1" = 40'

0 40 80 120

SCALE IN FEET

GENERAL NOTES:

1. APRON AND TAXI LANE STRIPES TO TIE INTO EXISTING STRIPING, AS INDICATED ON PLANS.
2. REFER TO THE APRON STRIPING DEMOLITION SHEETS CD151 THRU CD157 FOR THE REMOVAL OF EXISTING APRON AND TAXI LANE MARKINGS.
3. SEE SHEET CS101 FOR BASELINE HORIZONTAL CONTROL.

SHEET LEGEND:

- SOLID YELLOW TAXI STRIPE (C3 CS506)
- SOLID DOUBLE YELLOW STRIPE (B2 CS506)
- EDGE OF ACP
- EDGE OF CONCRETE APRON

FLAG NOTES:

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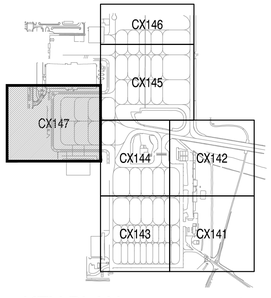
2. TIE INTO EXISTING STRIPING (MEET & MATCH EX)
3. EXISTING STRIPING TO REMAIN



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARTZ, STATE OF WASHINGTON, 25448, REGISTERED PROFESSIONAL ENGINEER, 3/12/15

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ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

DES JDE DRW KWP CHK DES

PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
AULT FIELD - OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

APRON HORIZONTAL CONTROL & STRIPING PLAN

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO.
N44255-15-C-6003

NAVFAC DRAWING NO.
16030343

SHEET 89 OF 302

CS147

DRAWFORM REVISION: 10 MARCH 2009

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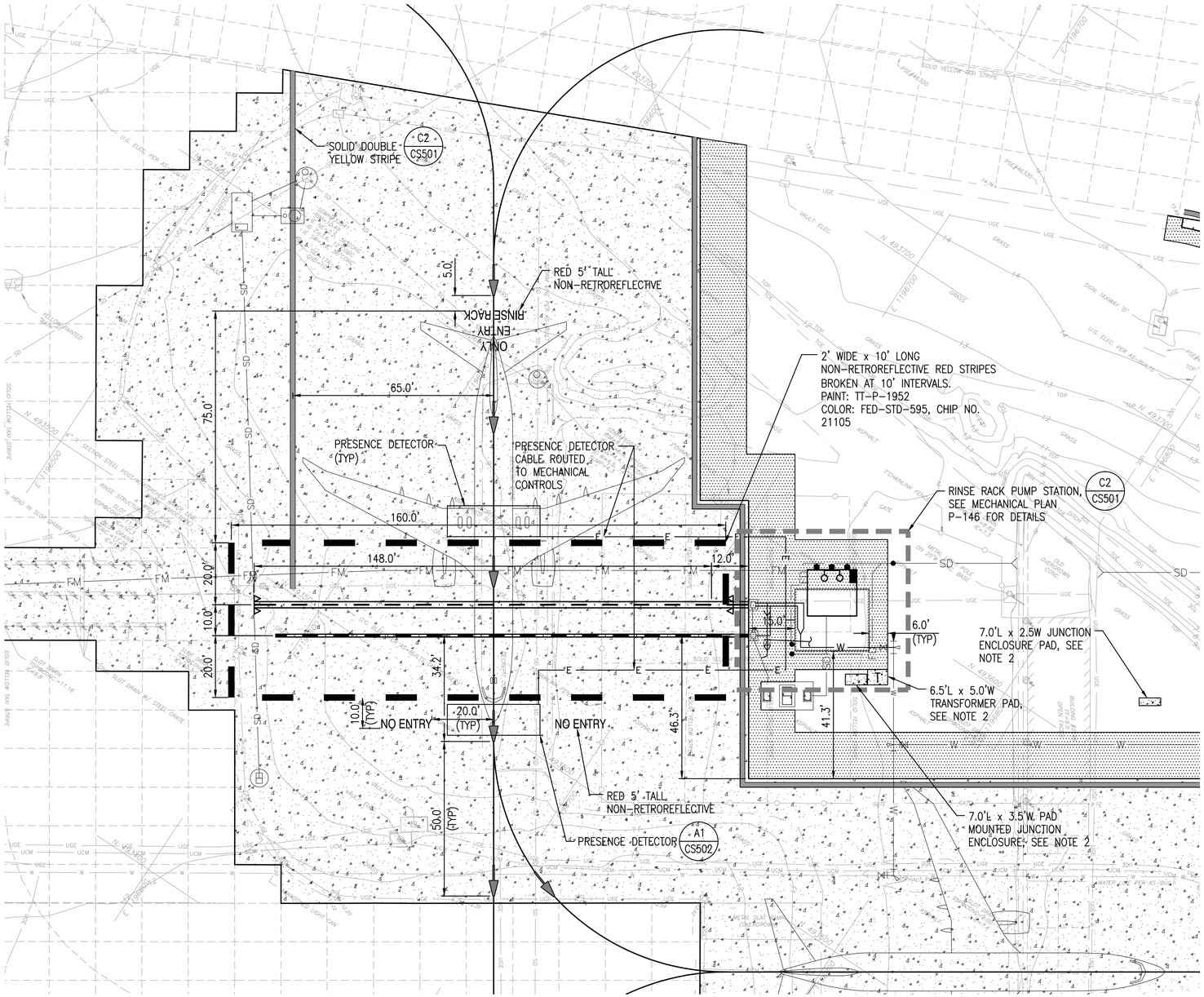


GENERAL NOTES:

1. LETTERING PER NAVAIR 51-50 AAA-2, 003 01, FIGURE 1.
2. SEE DETAIL C2/CS501 FOR TRANSFORMER AND JUNCTION ENCLOSURE PADS. SEE ELECTRICAL PLANS FOR EQUIPMENT AND ASSOCIATED CONDUITS.
3. SEE SHEET CS142 FOR PAVEMENT EDGE HORIZONTAL CONTROL.

SHEET LEGEND:

- ASPHALT PAVEMENT — C1 / CS501
- CONCRETE PAVEMENT — C1 / CJ501
- SOLID YELLOW TAXI STRIPE WITH ARROW — C3 / CS506
- BOLLARDS — C3 / CS502

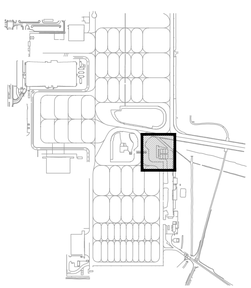
RINSE RACK HORIZONTAL CONTROL & STRIPING ENLARGEMENT

SCALE: 1"=20'

1" = 20'

0 20 40 60

SCALE IN FEET



KEY PLAN

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

DAVID E. SCHWARZ, STATE OF WASHINGTON, 25446, REGISTERED PROFESSIONAL ENGINEER, 2/12/15

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ACTIVITY: NAS WHIDBEY ISLAND

SATISFACTORY TO DATE

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PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

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NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
NAVAL AIR STATION WHIDBEY ISLAND
AULT FIELD - OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

RINSE RACK HORIZONTAL CONTROL & STRIPING ENLARGEMENT

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030344

SHEET 90 OF 302

CS441

DRAWFORM REVISION: 10 MARCH 2009

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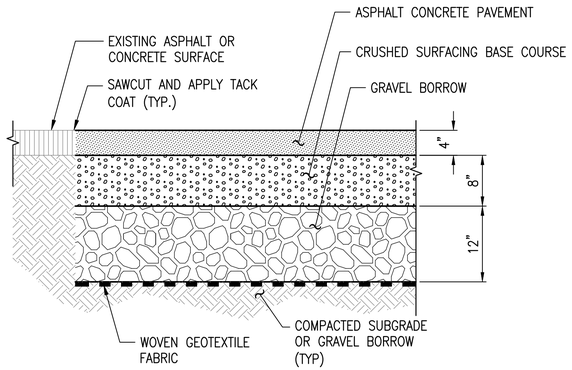
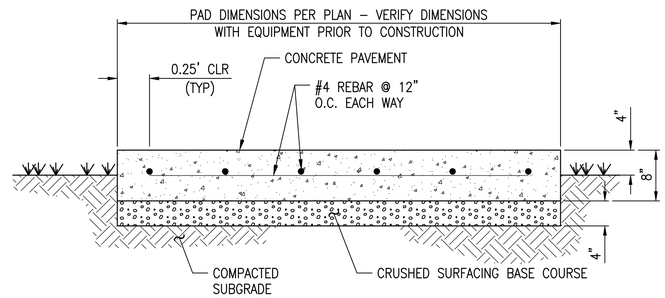


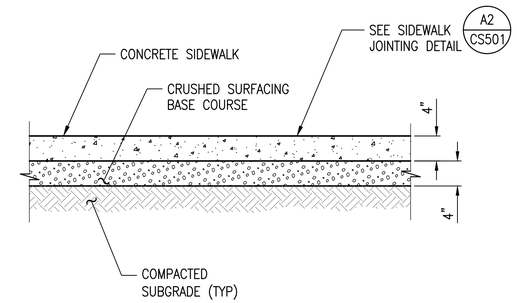
ASPHALT PAVEMENT SECTION

SCALE: NTS — CS121,CS441, CP141, CP142 — C1



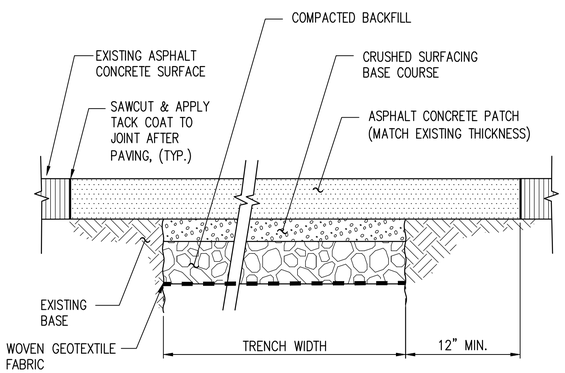
TYPICAL EQUIPMENT PAD DETAIL

SCALE: NTS — CS111, CS121, CS441, CU145, CU242 — C2



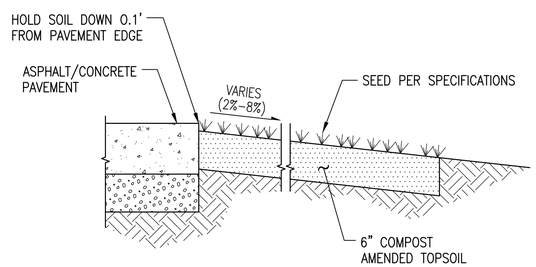
CONCRETE SIDEWALK SECTION

SCALE: NTS — CS111, CS501 — C4



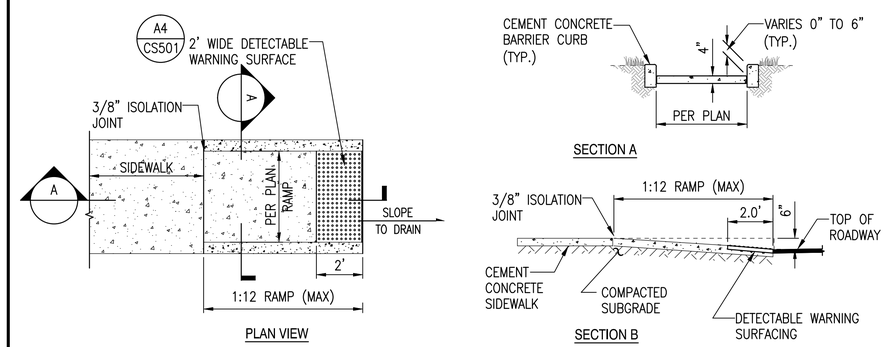
ASPHALT PAVEMENT RESTORATION SECTION

SCALE: NTS — CS111, CS121 — B1



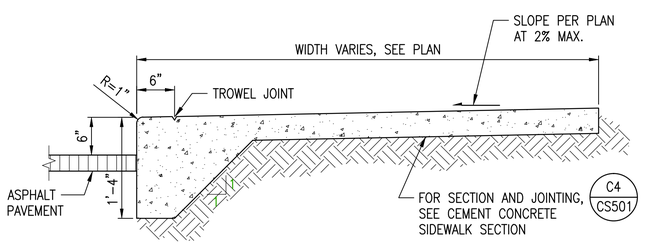
GRASS FILTER STRIP DETAIL

SCALE: NTS — CS111, CS121 — B2



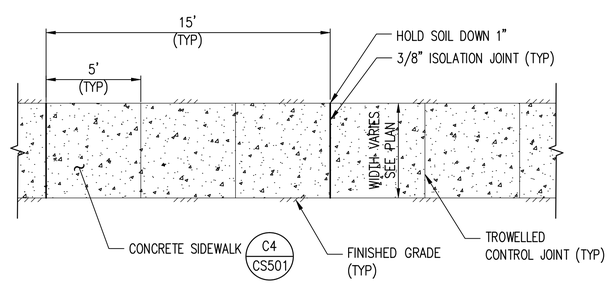
ABA CURB RAMP DETAIL

SCALE: NTS — CS121 — B4



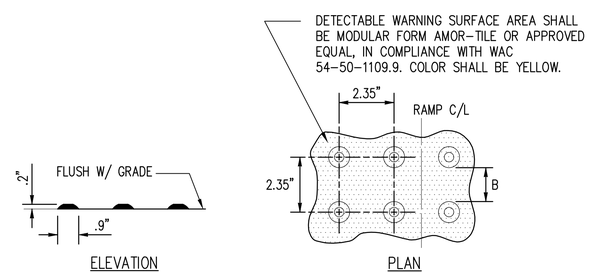
INTEGRAL CURB & SIDEWALK

SCALE: NTS — CS121 — A1



CONCRETE SIDEWALK JOINTING DETAIL

SCALE: NTS — CS501 — A2



DETECTABLE WARNING SURFACE DETAIL

SCALE: NTS — CS501 — A4

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ACTIVITY: NAS WHIDBEY ISLAND

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PM/DM JOSEPH KISIDAY

BRANCH MANAGER

CHIEF ENG/ARCH

EIC

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION WHIDBEY ISLAND

NAVAL FACILITIES ENGINEERING COMMAND – NORTHWEST
AULT FIELD – OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND — OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

PAVING DETAILS

SCALE: AS SHOWN

EPROJECT NO.:

CONSTR. CONTR. NO. N44255-15-C-6003

NAVFAC DRAWING NO. 16030345

SHEET 91 OF 302

CS501

DRAWFORM REVISION: 10 MARCH 2009

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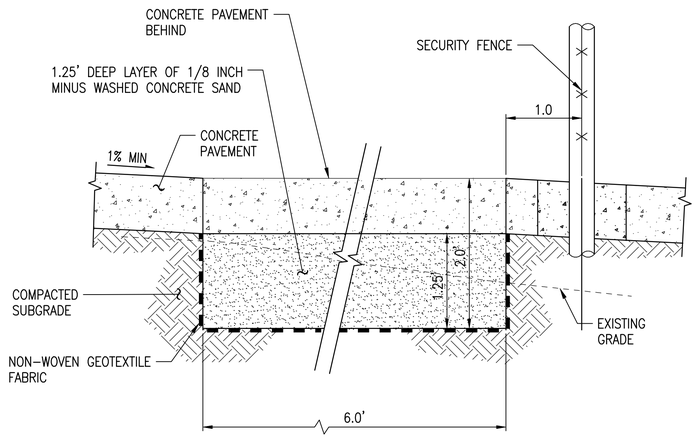
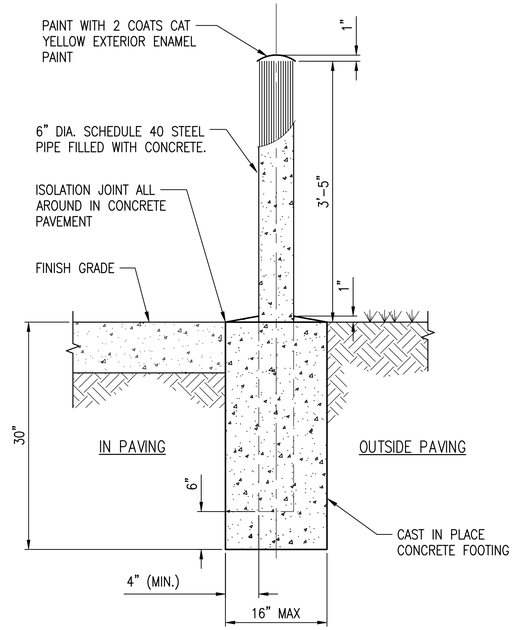
NOTE:
LOX DISPOSAL SAND BED TO BE CONFINED ON ALL SIDES. WHERE PAVEMENT DOES NOT EXIST, PROVIDE 6 INCH THICK CONCRETE RETAINING WALL TO TOP OF LOX PAVEMENT.



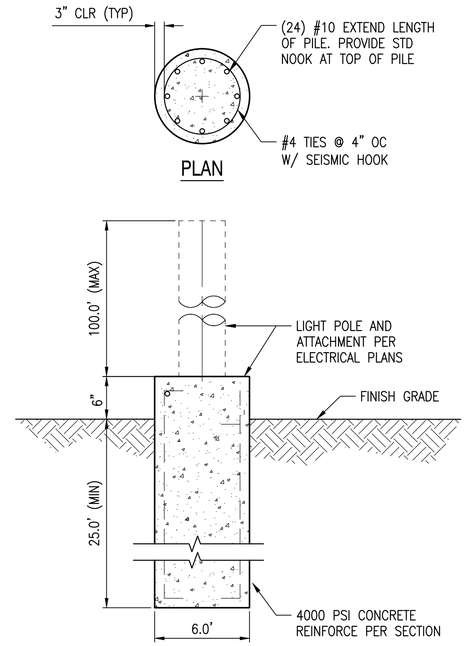
LOX DISPOSAL SAND BED DETAIL (C1)

SCALE: NTS CS111



PROTECTIVE/ FIXED BOLLARD DETAIL (C3)

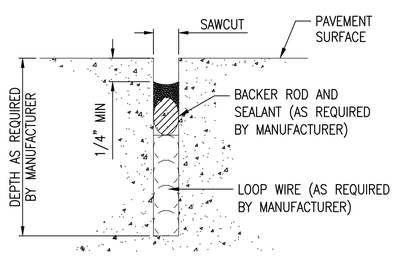
SCALE: NTS CS111, CS121, CS441, CU111, CU121, CU141-CU145



LIGHT POLE BASE (C4)

SCALE: NTS

NOTE:
DEPTH OF SLOT WILL VARY WITH NUMBER OF TURNS



VEHICLE PRESENCE DETECTOR (A1)

SCALE: NTS CS111, CS441

SYM	DESCRIPTION	DATE	APPR

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NAVAL FACILITIES ENGINEERING COMMAND ~ NORTHWEST
AULT FIELD - OAK HARBOR, WA

NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA

FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A

PAVING DETAILS

SCALE: AS SHOWN

EPROJECT NO.:

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NAVFAC DRAWING NO. 16030346

SHEET 92 OF 302

CS502

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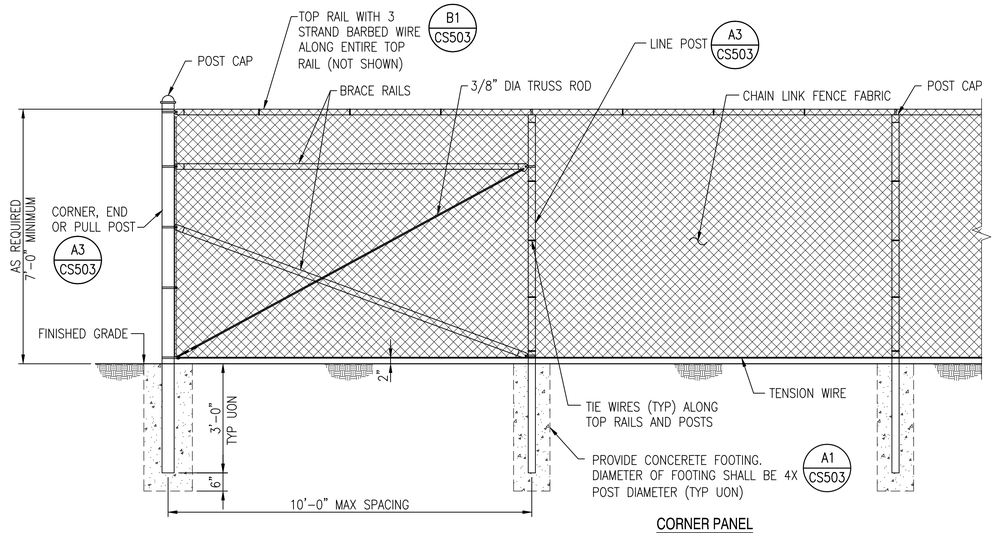
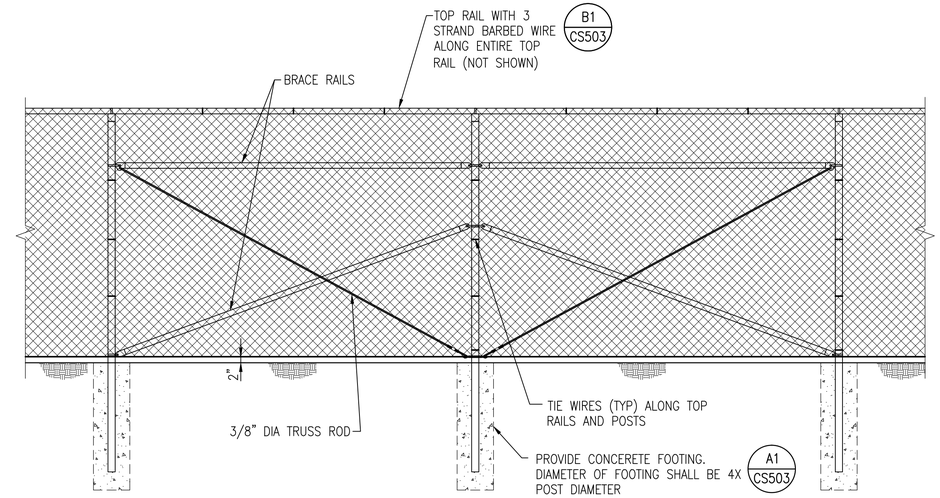


CORNER PANEL

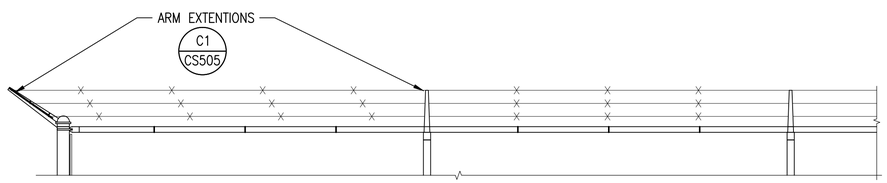


BRACED PANEL

TYPICAL FENCE DETAIL

SCALE: NTS

CS111 C1

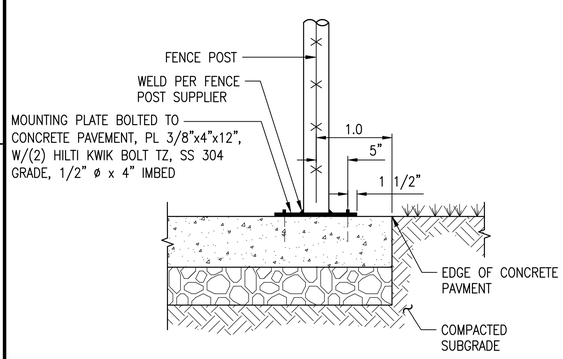


ELEVATION

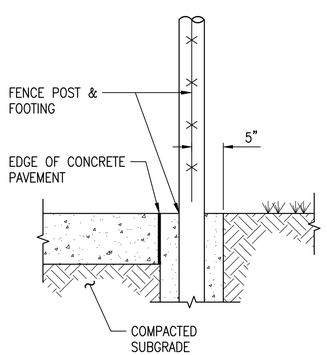
TYPICAL 3 STRAND BARBED WIRE AND SINGLE EXTENSION ARM CONFIGURATION

SCALE: NTS

CS503 B1



WITHIN CONCRETE PAVEMENT

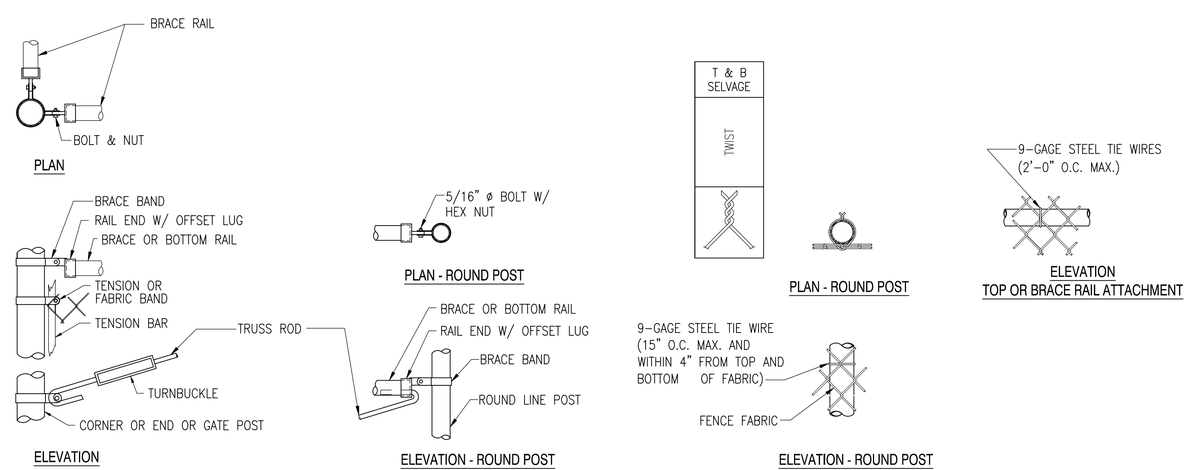


OUTSIDE CONCRETE PAVEMENT

TYPICAL FENCE POST LOCATION DETAIL

SCALE: NTS

CS503 A1



TYPICAL CORNER OR END AND LINE POST DETAILS

SCALE: NTS

CS503 A3

STM	DESCRIPTION	DATE	APPR

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AULT FIELD - OAK HARBOR, WA
NAVAL AIR STATION WHIDBEY ISLAND
OAK HARBOR, WA
FY-15 MCON PROJECT P-259 P-8A AIRCRAFT APRON EXPANSION - PART A
FENCE DETAILS

SCALE: AS SHOWN

EPROJECT NO.:

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SHEET 93 OF 302

CS503

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