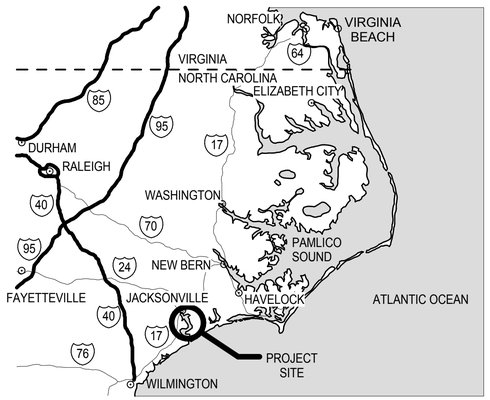
VICINITY MAP



NORTH

P-1346
SIMULATOR CENTER AND RANGE CONTROL

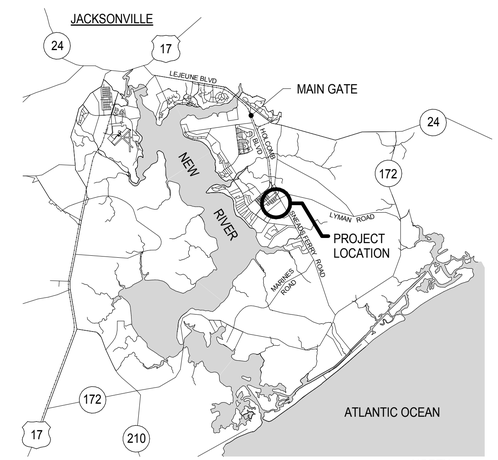
MCB CAMP LEJEUNE
NORTH CAROLINA

NAVAL FACILITIES ENGINEERING COMMAND ~ MID ATLANTIC

FINAL SUBMITTAL

OCTOBER 13, 2015

LOCATION MAP



NORTH

DRAWING INDEX

SHEET NO.	DRAWING TITLE	NAVFAC NO.
GENERAL		
G-001	TITLE SHEET AND DRAWING INDEX	
G-002	SITE PLAN	
SURVEY		
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CIVIL		
C-001	GENERAL NOTES, LEGEND, AND ABBREBIATIONS	
C-002	KEY MAP	
CD101	DEMOLITION PLAN	
CD102	DEMOLITION PLAN	
CD103	DEMOLITION PLAN	
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C-101	DIMENSIONAL LAYOUT PLAN	
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A-102	RANGE CONTROL BUILDING - FLOOR PLAN - BUILDING 'B'	
A-103	SUPPLY & BOAT MAINTENANCE - FLOOR PLAN - BUILDING 'C'	
A-104	BUILDING 26	

HBA ARCHITECTURE & INTERIOR DESIGN, INC.
One Columbus Center, Suite 1000
Virginia Beach, Virginia 23462
Phone: (757) 490-9048 Fax: (757) 490-7081

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CHIEF ENG/ARCH
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NAVAL FACILITIES ENGINEERING COMMAND
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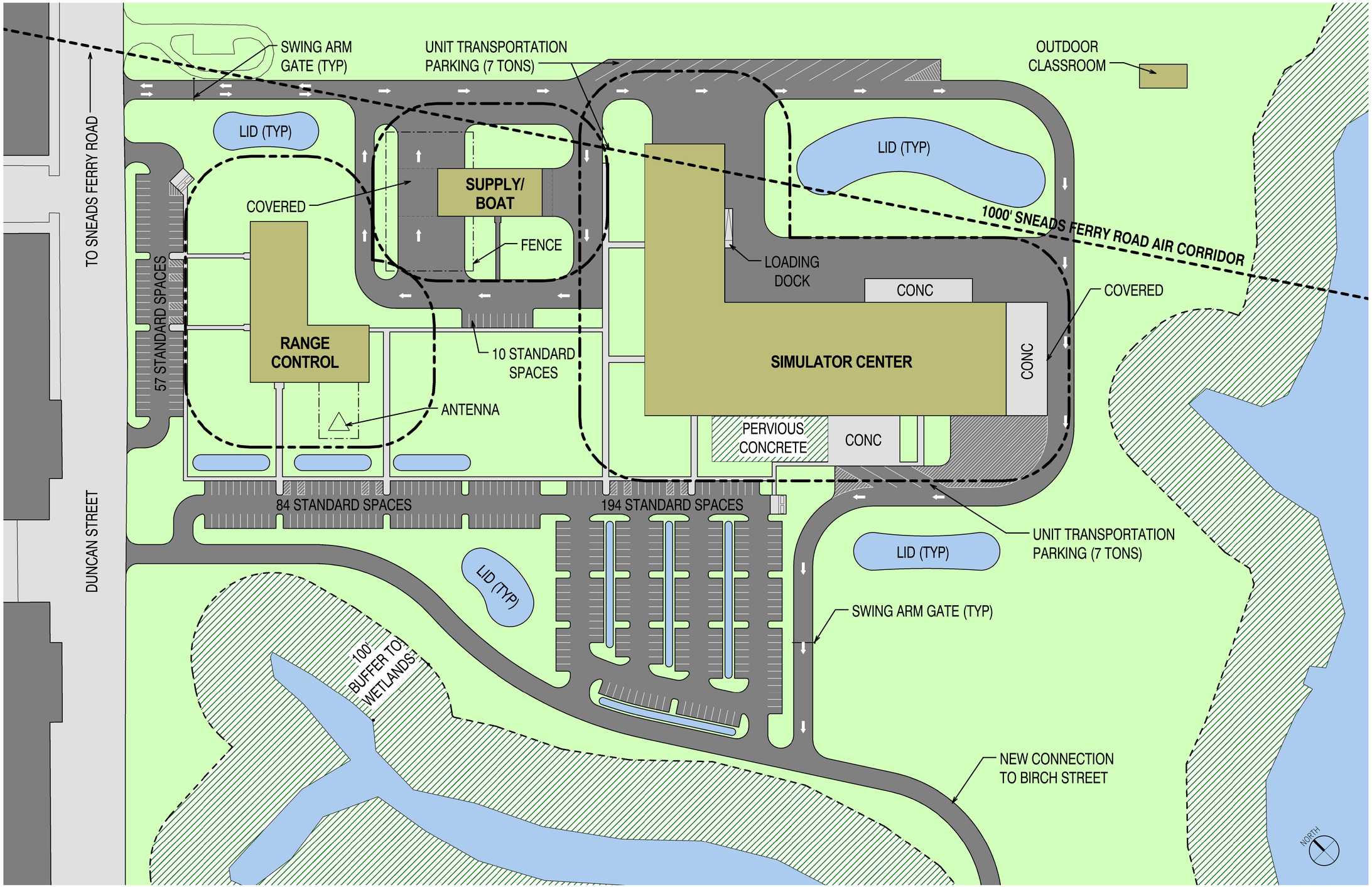
JACKSONVILLE, NORTH CAROLINA
P-1346
SIMULATOR CENTER AND RANGE CONTROL
TITLE SHEET AND DRAWING INDEX

SCALE: GRAPHIC
EPROJECT NO. 1168092
CONSTR. CONTR. NO. N40082-10-D-5301
NAVFAC DRAWING NO.
SHEET 1 OF
G-001



SCALE: 1" = 60'-0" 0 30' 60' 120'

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P-1346
SIMULATOR CENTER AND RANGE CONTROL

SITE PLAN

SCALE: GRAPHIC

EPROJECT NO. 1168092

CONSTR. CONTR. NO. N40082-10-D-5301

NAVFAC DRAWING NO.

SHEET 1 OF

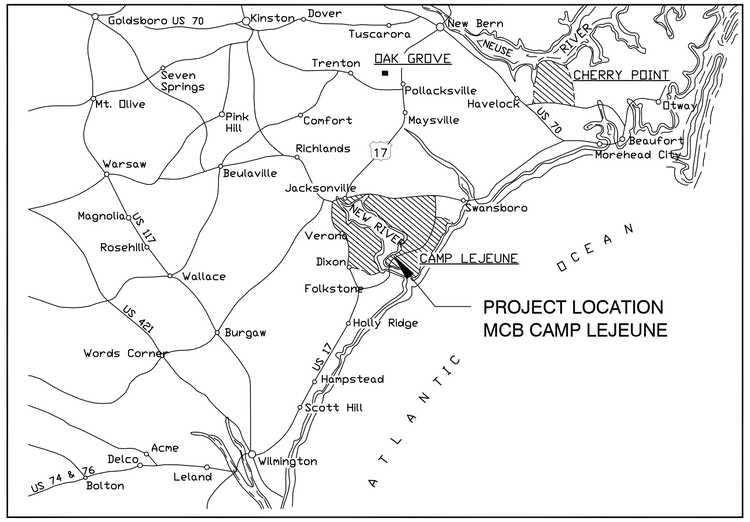
G-002

MCB CAMP LEJEUNE

JACKSONVILLE, NORTH CAROLINA

P-1346 SIMULATOR CENTER AND RANGE CONTROL

NAVAL FACILITIES ENGINEERING COMMAND



VICINITY MAP

NOT TO SCALE

SURVEY NOTES:

1. HORIZONTAL CONTROL: NC GRID, NAD83 (NSRS 2007), FEET.
2. VERTICAL CONTROL: NAVD 1988, FEET.
3. SURVEY CONTROL AND EXISTING MONUMENTS SURVEYED ARE AS SHOWN ON PLANS.
4. THE LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE, BASED UPON ABOVE-GROUND PHYSICAL FEATURES SURVEYED.

INDEX OF DRAWINGS

SHEET NO.	SHEET	SHEET TITLE
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7 OF 18	V-105	TOPOGRAPHIC SURVEY
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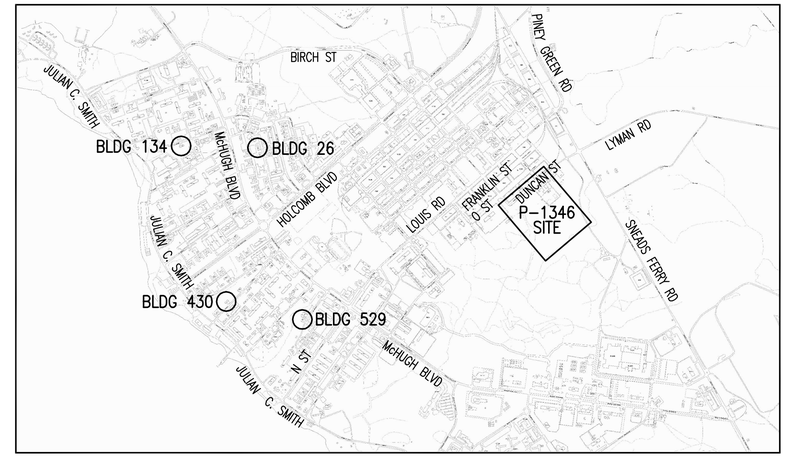
17 OF 18	V-115	TOPOGRAPHIC SURVEY – BUILDING 430
18 OF 18	V-116	TOPOGRAPHIC SURVEY – BUILDING 529

CIVIL LEGEND

EXISTING	DESCRIPTION	NEW
	WATER VALVE	
PIV	POST INDICATOR VALVE	
Ⓢ	SANITARY SEWER MANHOLE	
Ⓔ	ELECTRIC MANHOLE	
Ⓒ	COMMUNICATIONS MANHOLE	
Ⓓ	STORM DRAIN MANHOLE	
CO	SANITARY SEWER CLEANOUT	
MW	MONITORING WELL	
	STORM DRAIN DROP INLET	
	STORM DRAIN CURB INLET	
	FIRE HYDRANT	
	FIRE DEPARTMENT CONNECTION	
	PEDESTAL	
	UTILITY POLE	
	UTILITY POLE WITH LIGHT	
	GUY WIRE	
	DITCH/SWALE CENTERLINE	
xx"SS	SANITARY SEWER (GRAVITY)	
xx"SD	STORM SEWER	
W	DOMESTIC WATER	
OHE	OVERHEAD ELECTRICAL	
UGE	UNDERGROUND ELECTRICAL	
UGS	UNDERGROUND STEAM	
UGG	UNDERGROUND GAS	
UGC	UNDERGROUND COMMUNICATIONS	
FO	UNDERGROUND FIBER OPTIC CABLE	
	FENCE	
	CONCRETE	
	ASPHALT	
	GRAVEL	
	SURVEY CONTROL POINT	
× 5.00	SPOT ELEVATIONS	
5.00	CONTOUR LINES	
	TREE	
	TREELINE	
	SOURCE/DESTINATION UNKNOWN	



LOCATION MAP

SCALE: 1"=2000'

ABBREVIATIONS

A/C	CLIMATE CONTROL EQUIPMENT
APPROX.	APPROXIMATE/APPROXIMATELY
CL, C/L	CENTER LINE
COMM.	TELECOMMUNICATIONS
CONC.	CONCRETE
DI	(STORM DRAIN) DROP INLET
EL=, ELEV	ELEVATION
E:	EASTING
ELEC.	ELECTRIC; ELECTRICAL
ETC.	ET CETERA
EX., EXIST.	EXISTING
FH	FIRE HYDRANT
HVAC	HEATING, VENTILATION AND AIR CONDITIONING (EQUIPMENT)
INV	INVERT
MAX	MAXIMUM
MIN	MINIMUM
N:	NORTHING
NO./#	NUMBER
PVC	POLYVINYLCHLORIDE (PIPE)
RCP	REINFORCED CONCRETE PIPE
SMH	SANITARY SEWER MANHOLE
TBM	TEMPORARY BENCHMARK
XFMR	(ELECTRIC) TRANSFORMER
TYP	TYPICAL
&	AND
±	PLUS OR MINUS
%	PERCENT

MAPPING BY:

AVOLIS ENGINEERING, P.A.
P.O. BOX 15564
NEW BERN, NC 28561
PH.(252) 633-0068, FAX (252) 633-6507

PHYSICAL AND TOPOGRAPHIC SURVEY DATA PROVIDED BY:

Atlantic Survey & Design, PA
1305 Country Club Road
New Bern, North Carolina
(252) 633-6649 JOB #33001-04

SYM	DESCRIPTION	DATE	APPR

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CHIEF ENG/ARCH

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JACKSONVILLE, NORTH CAROLINA
P-1346
SIMULATOR CENTER AND RANGE CONTROL
TITLE SHEET, VICINITY AND LOCATION MAP

SCALE: GRAPHIC

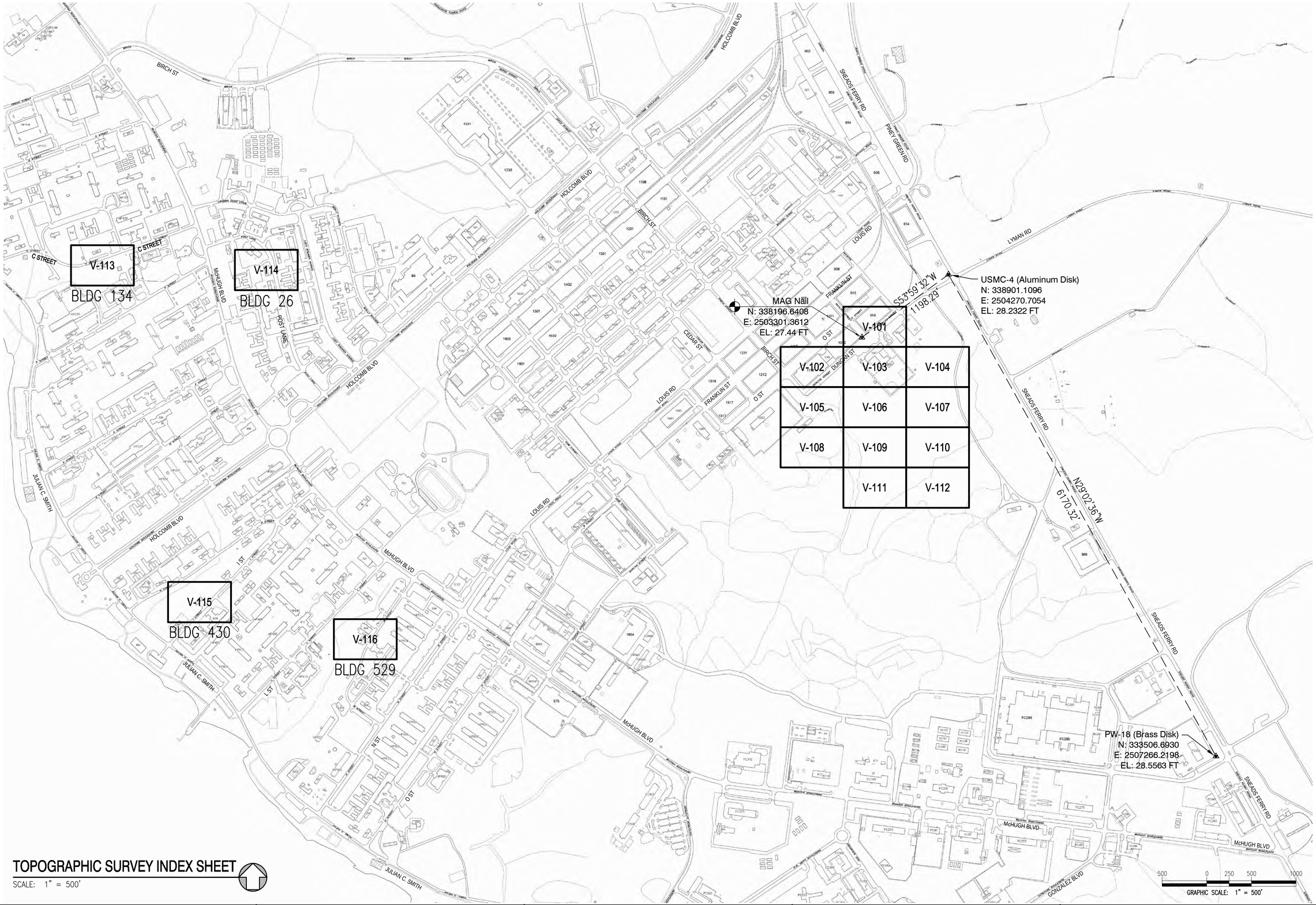
EPROJECT NO. 1168092

CONSTR. CONTR. NO. N40082-10-D-5301

NAVFAC DRAWING NO.

SHEET 1 OF 18

V-001



TOPOGRAPHIC SURVEY INDEX SHEET

SCALE: 1" = 500'

SYM	DESCRIPTION	DATE	APPR

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P-1346
SIMULATOR CENTER AND RANGE CONTROL

TOPOGRAPHIC SURVEY INDEX SHEET

SCALE: GRAPHIC

EPROJECT NO. 1168092

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NAVFAC DRAWING NO.

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V-105	V-106	V-107
V-108	V-109	V-110
	V-111	V-112

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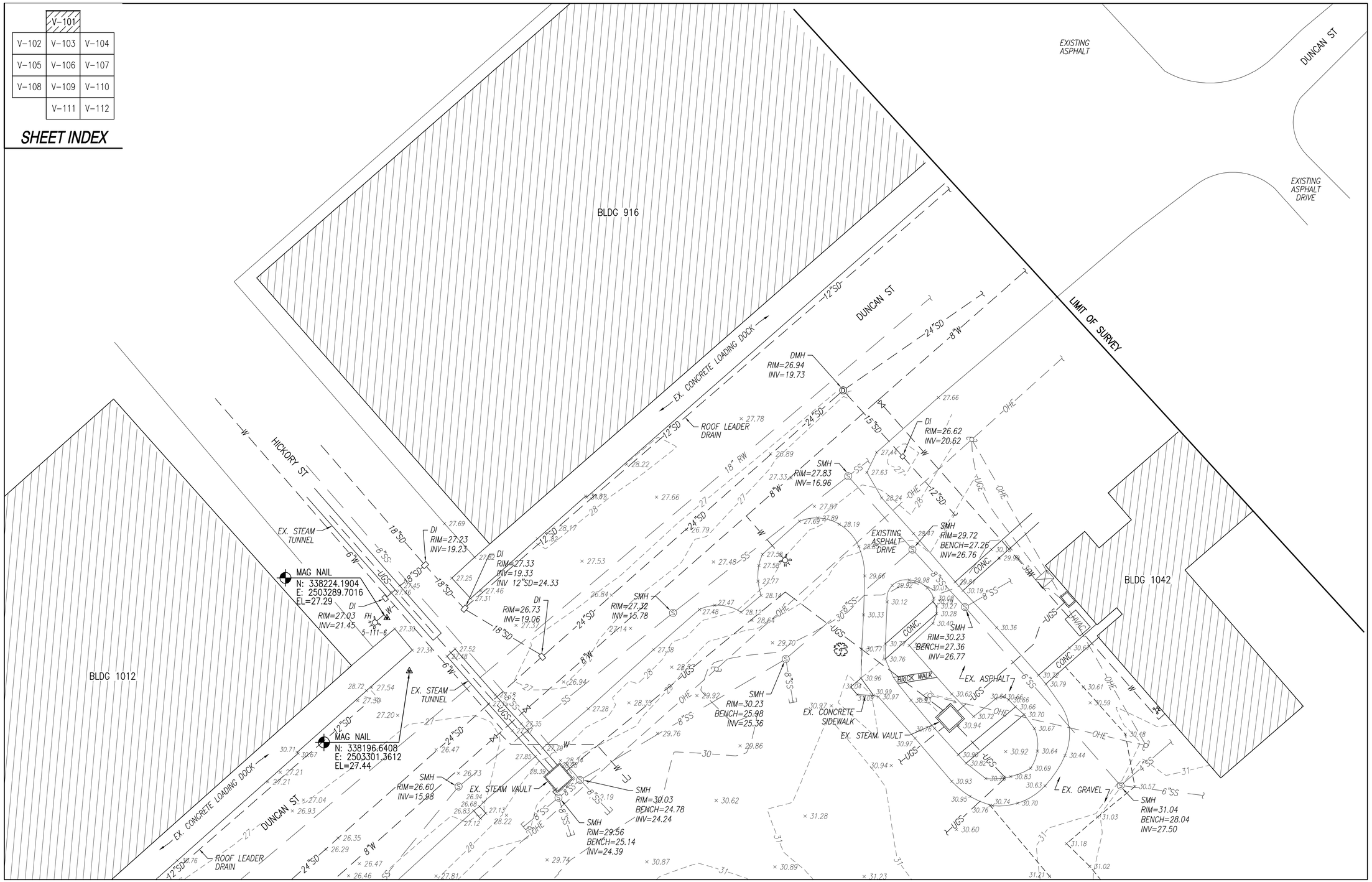

MATCHLINE SEE DRAWING V-103

TOPOGRAPHIC SURVEY

SCALE: 1" = 25'

25 0 12.5 25 50

GRAPHIC SCALE: 1" = 25'

SYM	DESCRIPTION	DATE	APPR

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JACKSONVILLE, NORTH CAROLINA

P-1346

SIMULATOR CENTER AND RANGE CONTROL

TOPOGRAPHIC SURVEY

SCALE: GRAPHIC

EPROJECT NO. 1168092

CONSTR. CONTR. NO. N40082-10-D-5301

NAVFAC DRAWING NO.

SHEET 3 OF 18

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V-102	V-103	V-104
V-105	V-106	V-107
V-108	V-109	V-110
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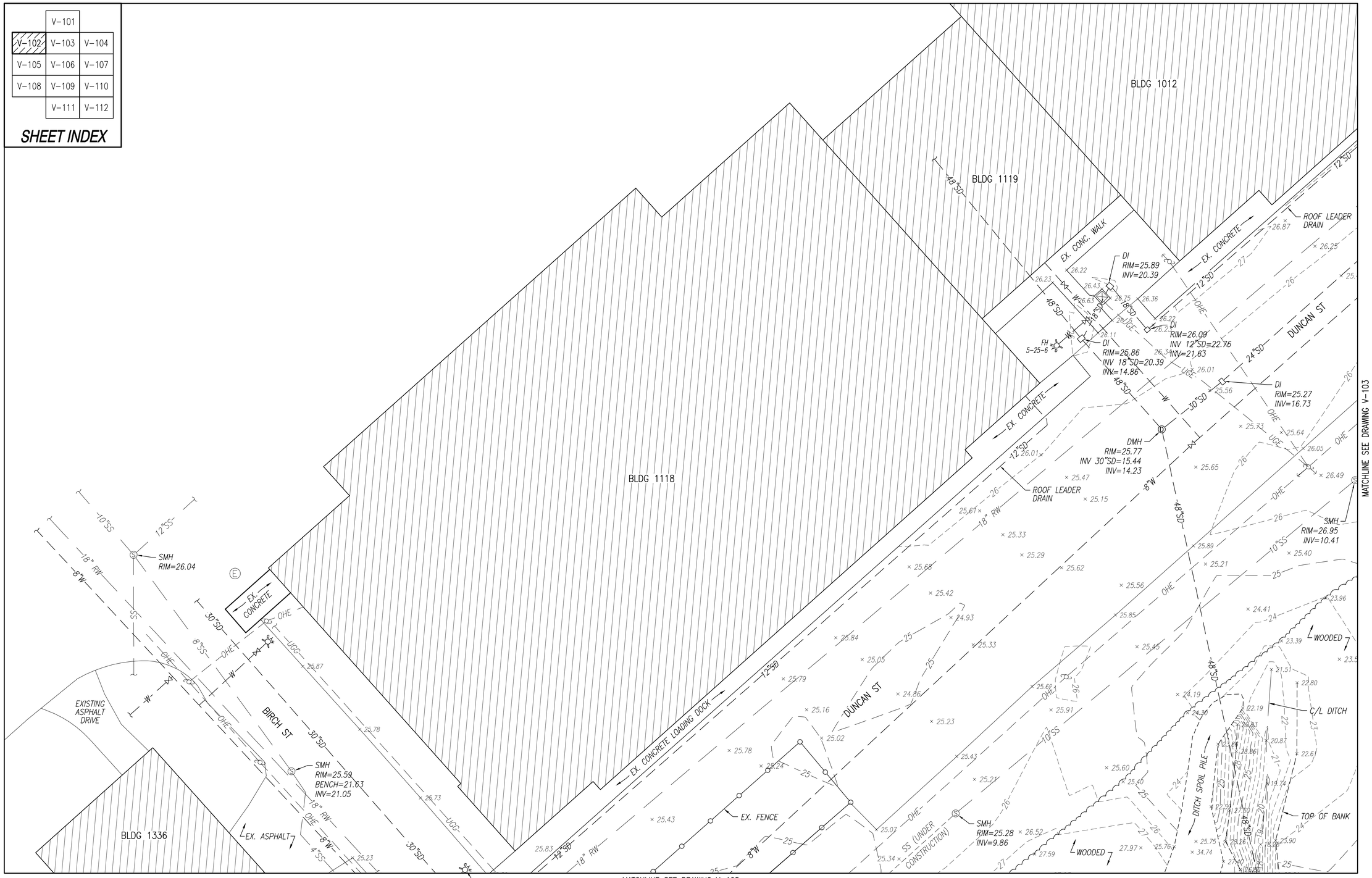

TOPOGRAPHIC SURVEY

SCALE: 1" = 25'

GRAPHIC SCALE: 1" = 25'

SYM	DESCRIPTION	DATE	APPR

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P-1346

SIMULATOR CENTER AND RANGE CONTROL

TOPOGRAPHIC SURVEY

SCALE: GRAPHIC

EPROJECT NO. 1168092

CONSTR. CONTR. NO. N40082-10-D-5301

NAVFAC DRAWING NO.

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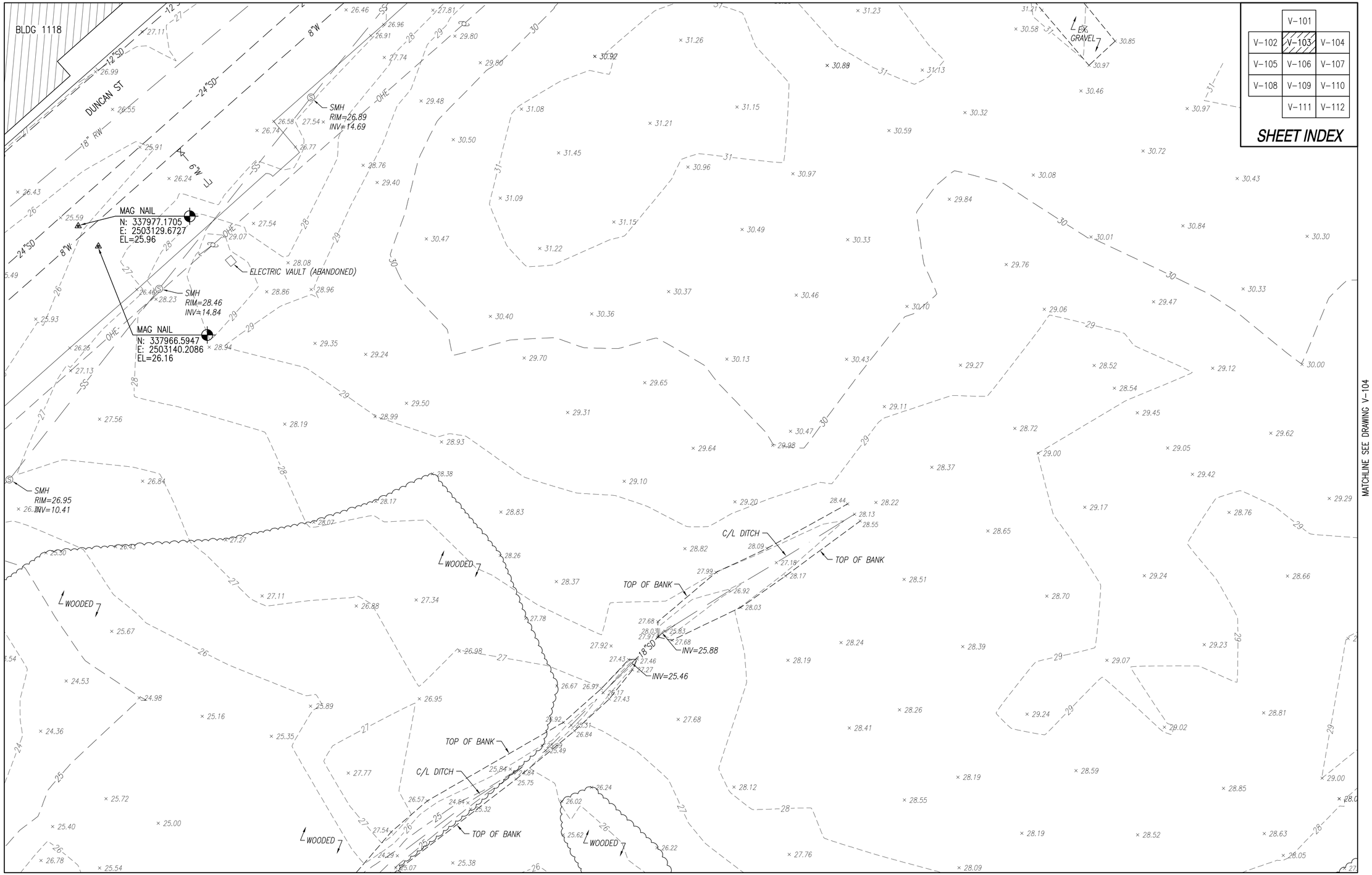
V-102

MATCHLINE SEE DRAWING V-101



MATCHLINE SEE DRAWING V-102

MATCHLINE SEE DRAWING V-104

MATCHLINE SEE DRAWING V-106

	V-101	
V-102	V-103	V-104
V-105	V-106	V-107
V-108	V-109	V-110
	V-111	V-112

SHEET INDEX

TOPOGRAPHIC SURVEY

SCALE: 1" = 25'

GRAPHIC SCALE: 1" = 25'

SYM	DESCRIPTION	DATE	APPR

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P-1346
SIMULATOR CENTER AND RANGE CONTROL
TOPOGRAPHIC SURVEY

SCALE: GRAPHIC

EPROJECT NO. 1168092

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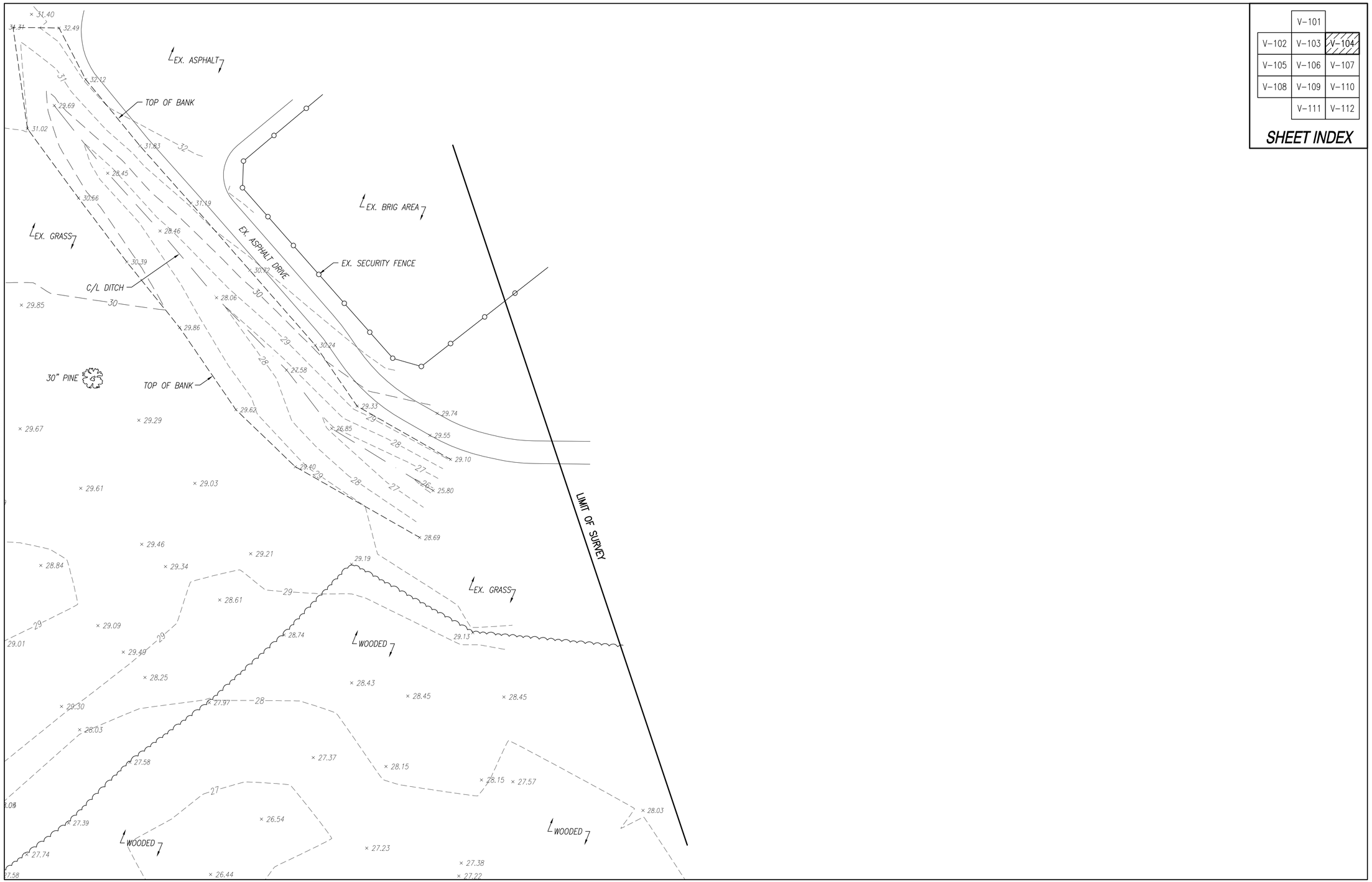
NAVFAC DRAWING NO.

SHEET 5 OF 18

V-103



	V-101	
V-102	V-103	V-104
V-105	V-106	V-107
V-108	V-109	V-110
	V-111	V-112

SHEET INDEX

TOPOGRAPHIC SURVEY

SCALE: 1" = 25'

GRAPHIC SCALE: 1" = 25'

SYM	DESCRIPTION	DATE	APPR

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P-1346
SIMULATOR CENTER AND RANGE CONTROL

TOPOGRAPHIC SURVEY

SCALE: GRAPHIC

EPROJECT NO. 1168092

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V-102	V-103	V-104
V-105	V-106	V-107
V-108	V-109	V-110
	V-111	V-112

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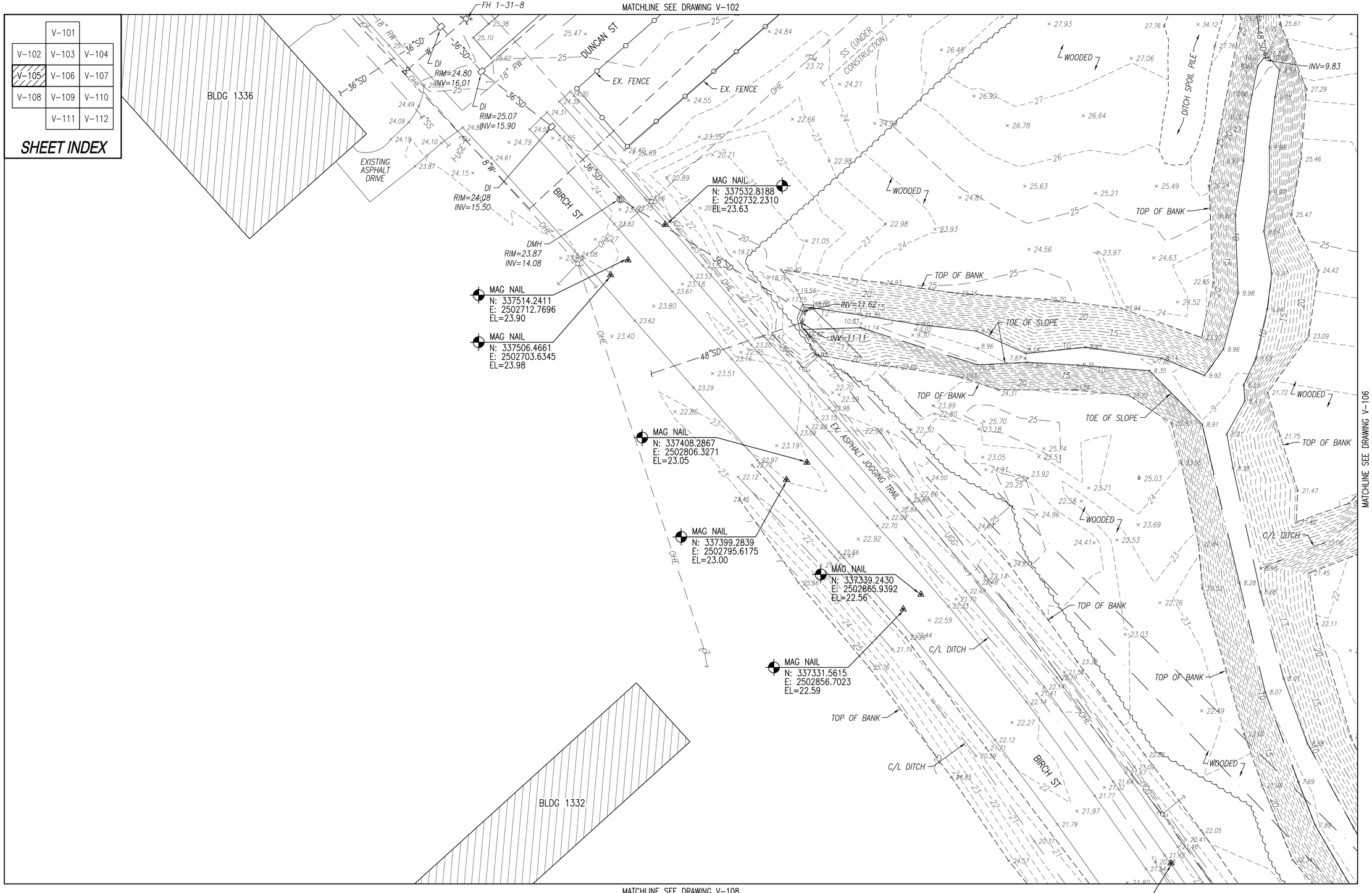

TOPOGRAPHIC SURVEY

SCALE: 1" = 25'

SYM	DESCRIPTION	DATE	APPR

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TOPOGRAPHIC SURVEY

SCALE: GRAPHIC
EPROJECT NO. 1168092
CONSTR. CONTR. NO. N40082-10-D-5301
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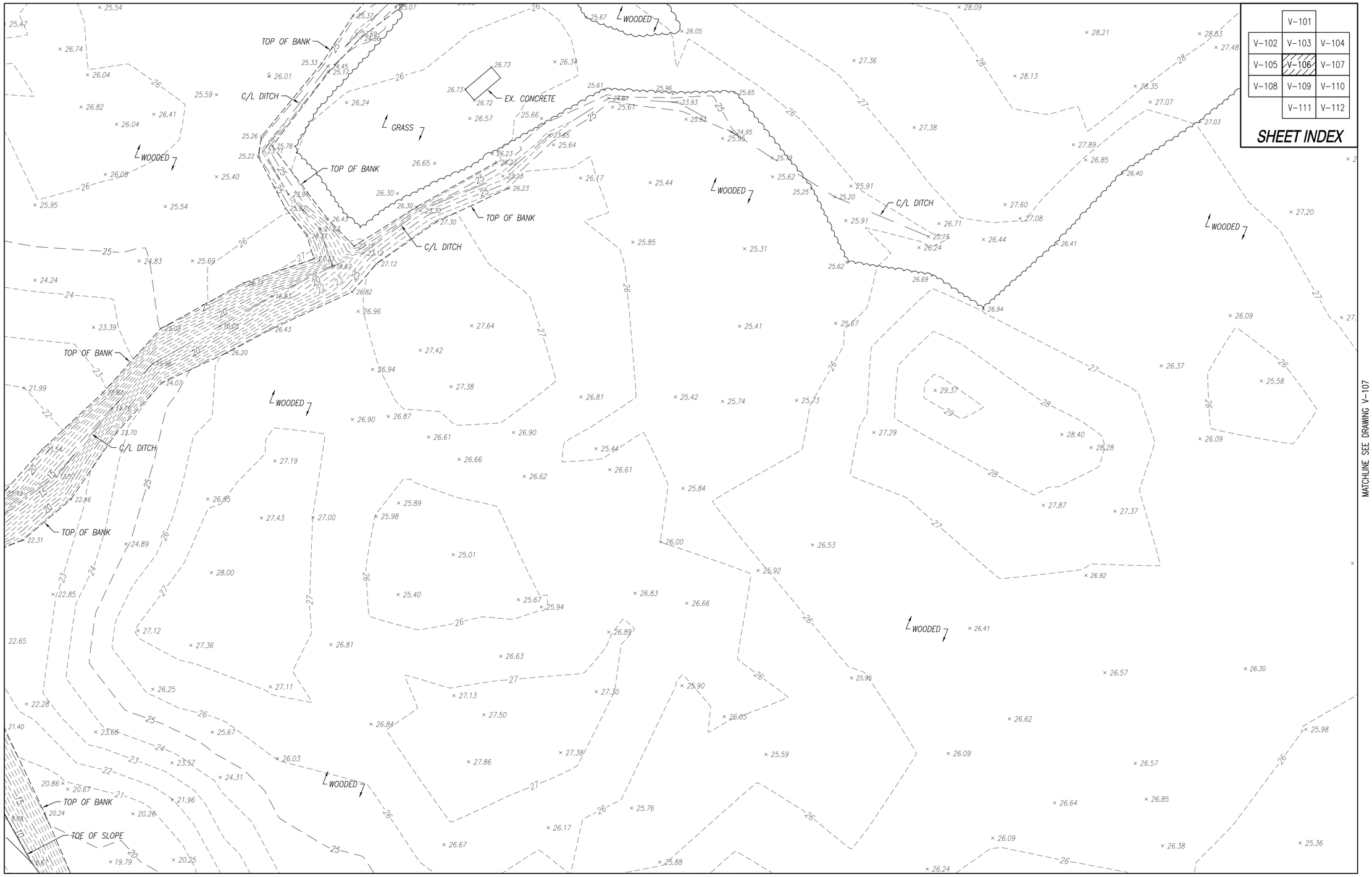
SHEET 7 OF 18

V-105

MATCHLINE SEE DRAWING V-103



MATCHLINE SEE DRAWING V-105

MATCHLINE SEE DRAWING V-107

MATCHLINE SEE DRAWING V-109

	V-101	
V-102	V-103	V-104
V-105	V-106	V-107
V-108	V-109	V-110
	V-111	V-112

SHEET INDEX

TOPOGRAPHIC SURVEY

SCALE: 1" = 25'

25 0 12.5 25 50

GRAPHIC SCALE: 1" = 25'

SYM	DESCRIPTION	DATE	APPR

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SIMULATOR CENTER AND RANGE CONTROL

TOPOGRAPHIC SURVEY

SCALE: GRAPHIC

EPROJECT NO. 1168092

CONSTR. CONTR. NO. N40082-10-D-5301

NAVFAC DRAWING NO.

SHEET 8 OF 18

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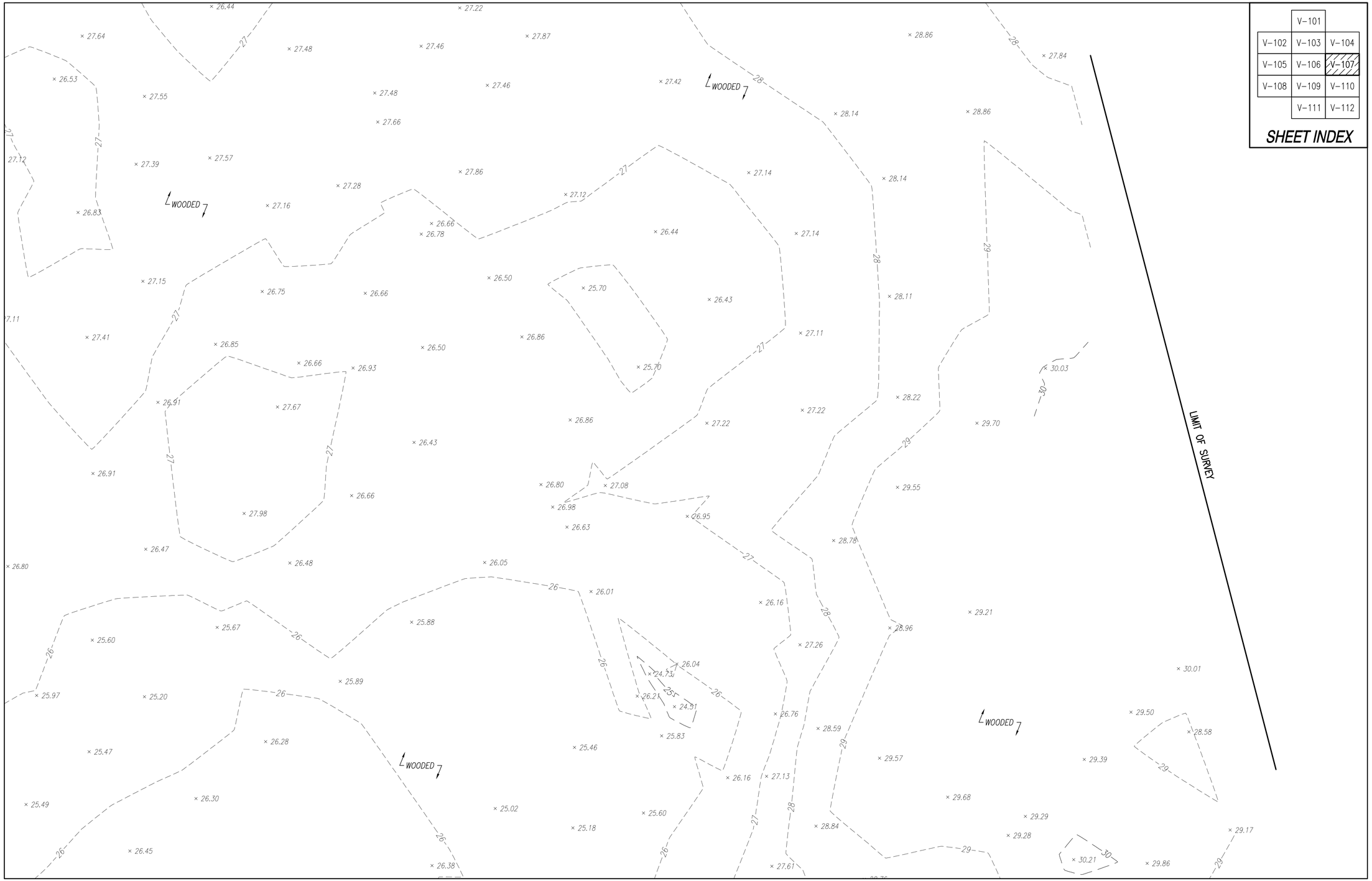
MATCHLINE SEE DRAWING V-104



MATCHLINE SEE DRAWING V-106

MATCHLINE SEE DRAWING V-110

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V-102	V-103	V-104
V-105	V-106	V-107
V-108	V-109	V-110
	V-111	V-112

SHEET INDEX

TOPOGRAPHIC SURVEY

SCALE: 1" = 25'

25 0 12.5 25 50

GRAPHIC SCALE: 1" = 25'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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P-1346
SIMULATOR CENTER AND RANGE CONTROL

TOPOGRAPHIC SURVEY

SCALE: GRAPHIC

EPROJECT NO. 1168092

CONSTR. CONTR. NO. N40082-10-D-5301

NAVFAC DRAWING NO.

SHEET 9 OF 18

V-107

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V-105	V-106	V-107
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SHEET INDEX

TOPOGRAPHIC SURVEY

SCALE: 1" = 25'

GRAPHIC SCALE: 1" = 25'

SYM	DESCRIPTION	DATE	APPR

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NAVAL STATION – NORFOLK, VIRGINIA
NCIPT
MCB CAMP LEJEUNE
JACKSONVILLE, NORTH CAROLINA

P-1346
SIMULATOR CENTER AND RANGE CONTROL

TOPOGRAPHIC SURVEY

SCALE: GRAPHIC

EPROJECT NO. 1168092

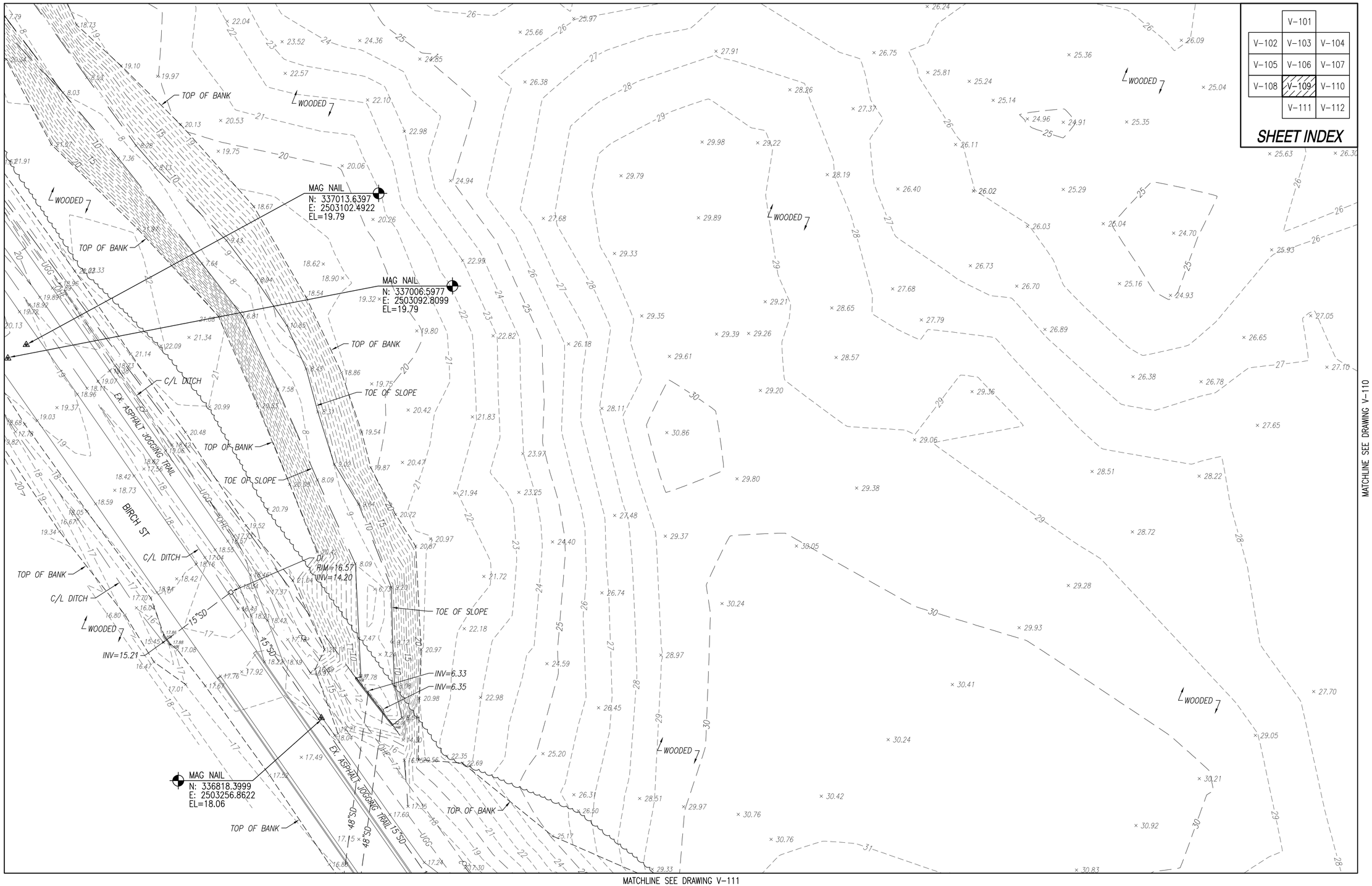
CONSTR. CONTR. NO. N40082-10-D-5301

NAVFAC DRAWING NO.

SHEET 10 OF 18

V-108

MATCHLINE SEE DRAWING V-106



MATCHLINE SEE DRAWING V-108

MATCHLINE SEE DRAWING V-110

MATCHLINE SEE DRAWING V-111

	V-101	
V-102	V-103	V-104
V-105	V-106	V-107
V-108	V-109	V-110
	V-111	V-112

SHEET INDEX

TOPOGRAPHIC SURVEY

SCALE: 1" = 25'

GRAPHIC SCALE: 1" = 25'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 15738 3/22/12 ENGINEER JOHN K. AVOLIS

HBA

H&A

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES JB DRW DS CHK DE

PM

BRANCH MANAGER

CHIEF ENG/ARCH

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
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P-1346

SIMULATOR CENTER AND RANGE CONTROL

TOPOGRAPHIC SURVEY

SCALE: GRAPHIC

EPROJECT NO. 1168092

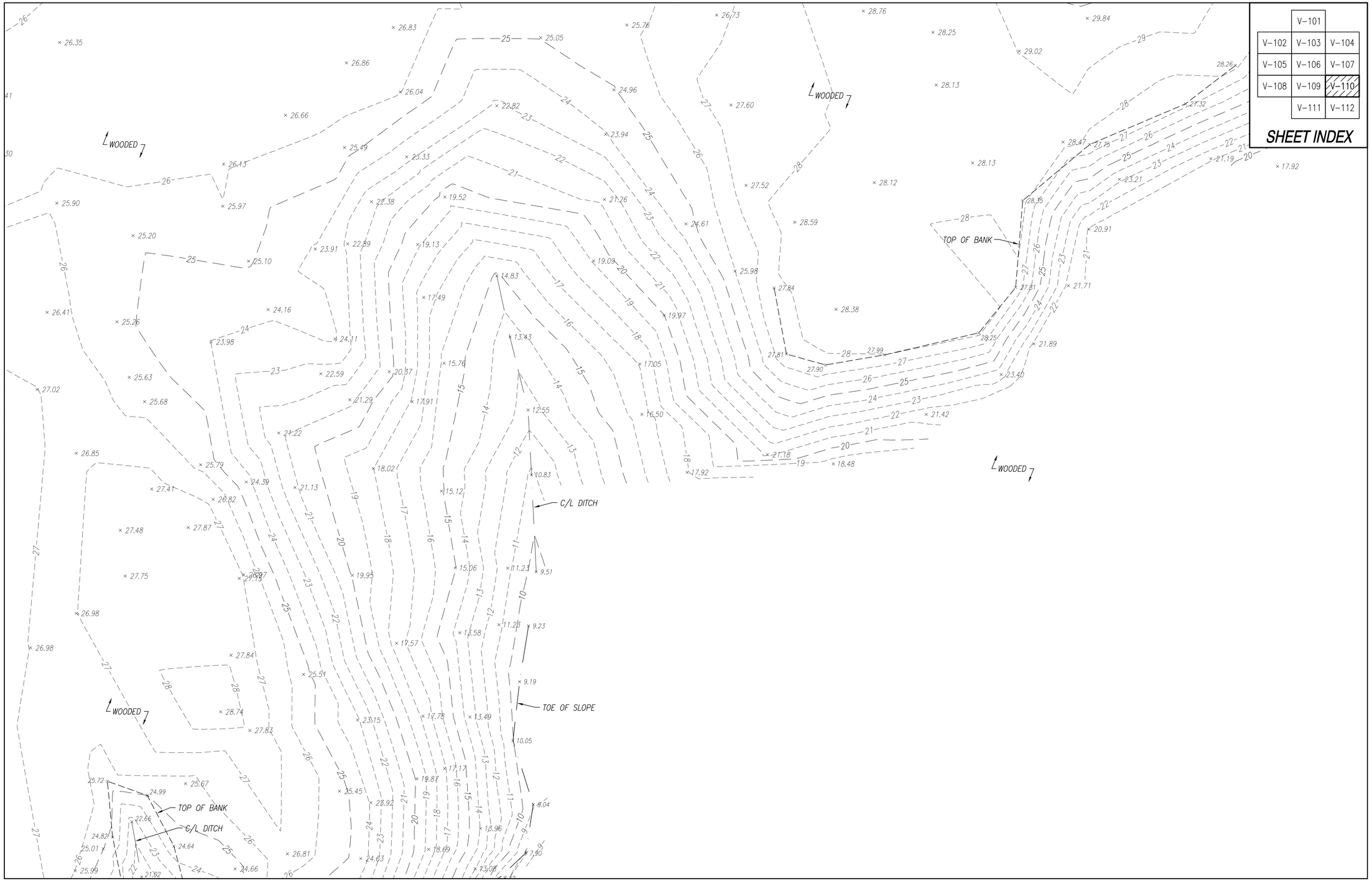
CONSTR. CONTR. NO. N40082-10-D-5301

NAVFAC DRAWING NO.

SHEET 11 OF 18

V-109

MATCHLINE SEE DRAWING V-107



MATCHLINE SEE DRAWING V-109

MATCHLINE SEE DRAWING V-112

	V-101	
V-102	V-103	V-104
V-105	V-106	V-107
V-108	V-109	V-110
	V-111	V-112

SHEET INDEX

TOPOGRAPHIC SURVEY

SCALE: 1" = 25'

GRAPHIC SCALE: 1" = 25'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 15738 3/22/13 ENGINEER JOHN K. AVOLIS

H&A

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TOPOGRAPHIC SURVEY

SCALE: GRAPHIC

EPROJECT NO. 1168092

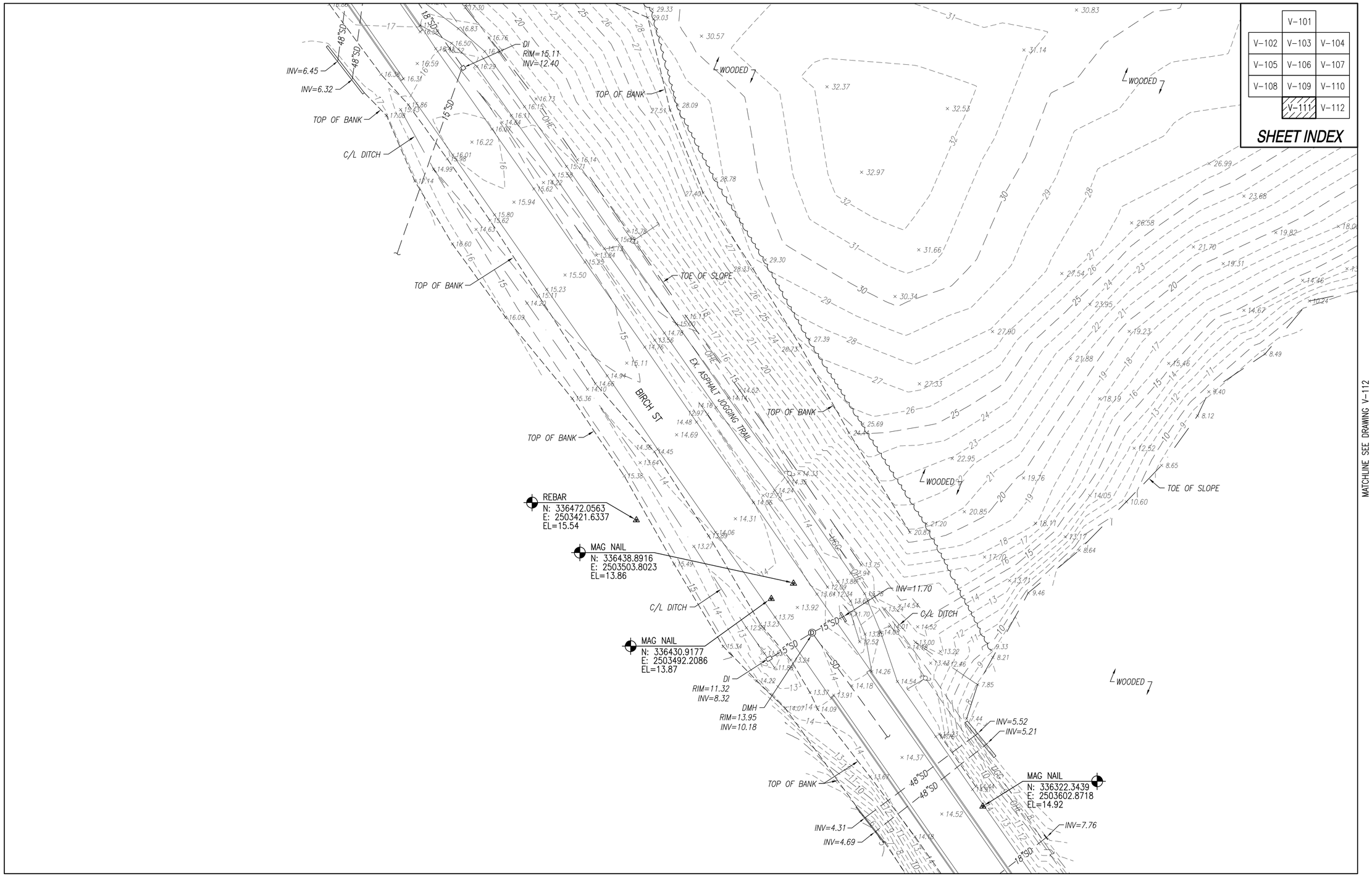
CONSTR. CONTR. NO. N40082-10-D-5301

NAVFAC DRAWING NO.

SHEET 12 OF 18

V-110

MATCHLINE SEE DRAWING V-109



	V-101	
V-102	V-103	V-104
V-105	V-106	V-107
V-108	V-109	V-110
	V-111	V-112

SHEET INDEX

MATCHLINE SEE DRAWING V-112

TOPOGRAPHIC SURVEY

SCALE: 1" = 25'

25 0 12.5 25 50

GRAPHIC SCALE: 1" = 25'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 15738 3/20/12 ENGINEER JOHN C. AVOLIO

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TOPOGRAPHIC SURVEY

SCALE: GRAPHIC

EPROJECT NO. 1168092

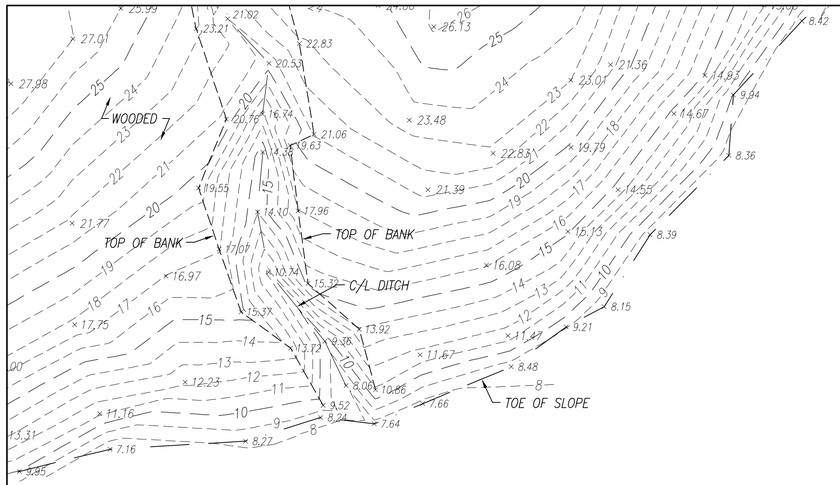
CONSTR. CONTR. NO. N40082-10-D-5301

NAVFAC DRAWING NO.

SHEET 13 OF 18

V-111

MATCHLINE SEE DRAWING V-110



MATCHLINE SEE DRAWING V-111

	V-101	
V-102	V-103	V-104
V-105	V-106	V-107
V-108	V-109	V-110
	V-111	V-112

SHEET INDEX

TOPOGRAPHIC SURVEY

SCALE: 1" = 25'

25 0 12.5 25 50

GRAPHIC SCALE: 1" = 25'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 15738 3/20/12 ENGINEER JOHN K. AVOLIS

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TOPOGRAPHIC SURVEY

SCALE: GRAPHIC

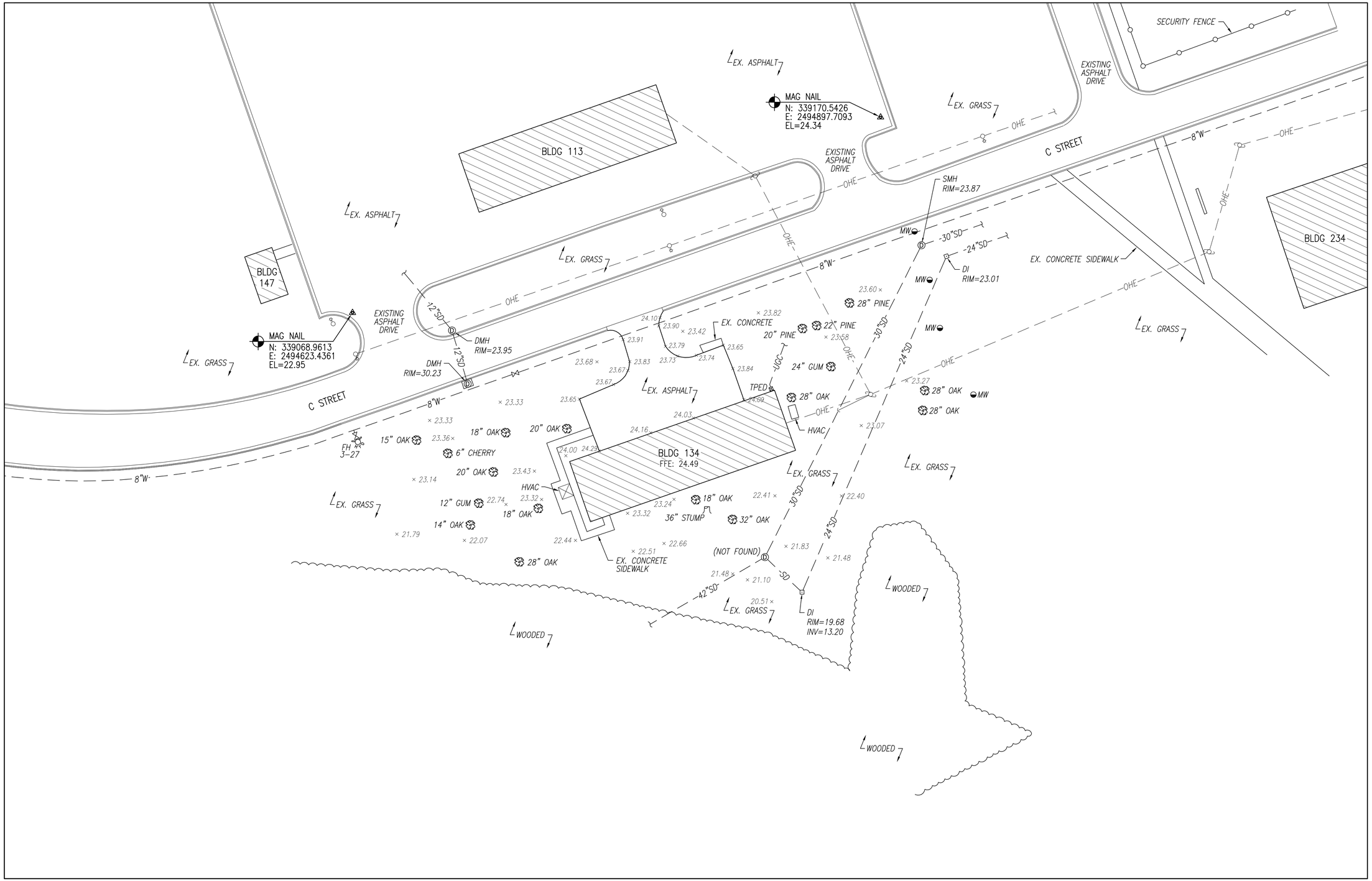
EPROJECT NO. 1168092

CONSTR. CONTR. NO. N40082-10-D-5301

NAVFAC DRAWING NO.

SHEET 14 OF 18

V-112



TOPOGRAPHIC SURVEY - BUILDING 134

SCALE: 1" = 25'

GRAPHIC SCALE: 1" = 25'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 15738 3/22/12 ENGINEER JOHN C. AVOLIO

HBA

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P-1346
SIMULATOR CENTER AND RANGE CONTROL

TOPOGRAPHIC SURVEY - BUILDING 134

SCALE: GRAPHIC

EPROJECT NO. 1168092

CONSTR. CONTR. NO. N40082-10-D-5301

NAVFAC DRAWING NO.

SHEET 15 OF 18

V-113

TOPOGRAPHIC SURVEY - BUILDING 26

SCALE: 1" = 25'

25 0 12.5 25 50

GRAPHIC SCALE: 1" = 25'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 15738 3/20/12 ENGINEER JOHN K. AVOLIS

HBA

H&A

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SATISFACTORY TO DATE

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P-1346

SIMULATOR CENTER AND RANGE CONTROL

TOPOGRAPHIC SURVEY - BUILDING 26

SCALE: GRAPHIC

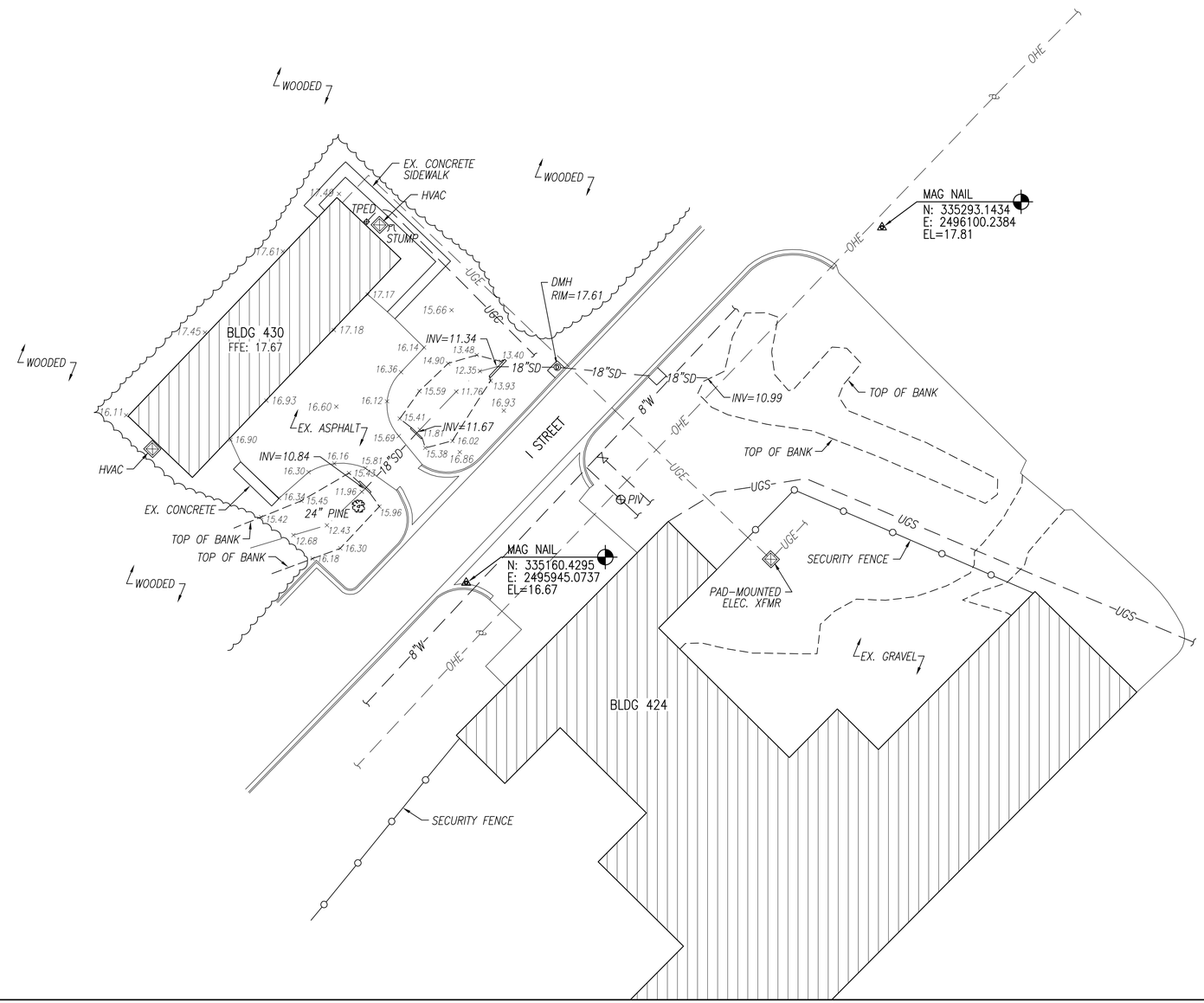
EPROJECT NO. 1168092

CONSTR. CONTR. NO. N40082-10-D-5301

NAVFAC DRAWING NO.

SHEET 16 OF 18

V-114



TOPOGRAPHIC SURVEY - BUILDING 430

SCALE: 1" = 25'

25 0 12.5 25 50

GRAPHIC SCALE: 1" = 25'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 15738 3/20/12 ENGINEER JOHN K. AVOLIS

HBA

H&A

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PM

BRANCH MANAGER

CHIEF ENG/ARCH

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NC/PT MCB CAMP LEJEUNE

JACKSONVILLE, NORTH CAROLINA

P-1346

SIMULATOR CENTER AND RANGE CONTROL

TOPOGRAPHIC SURVEY – BUILDING 430

SCALE: GRAPHIC

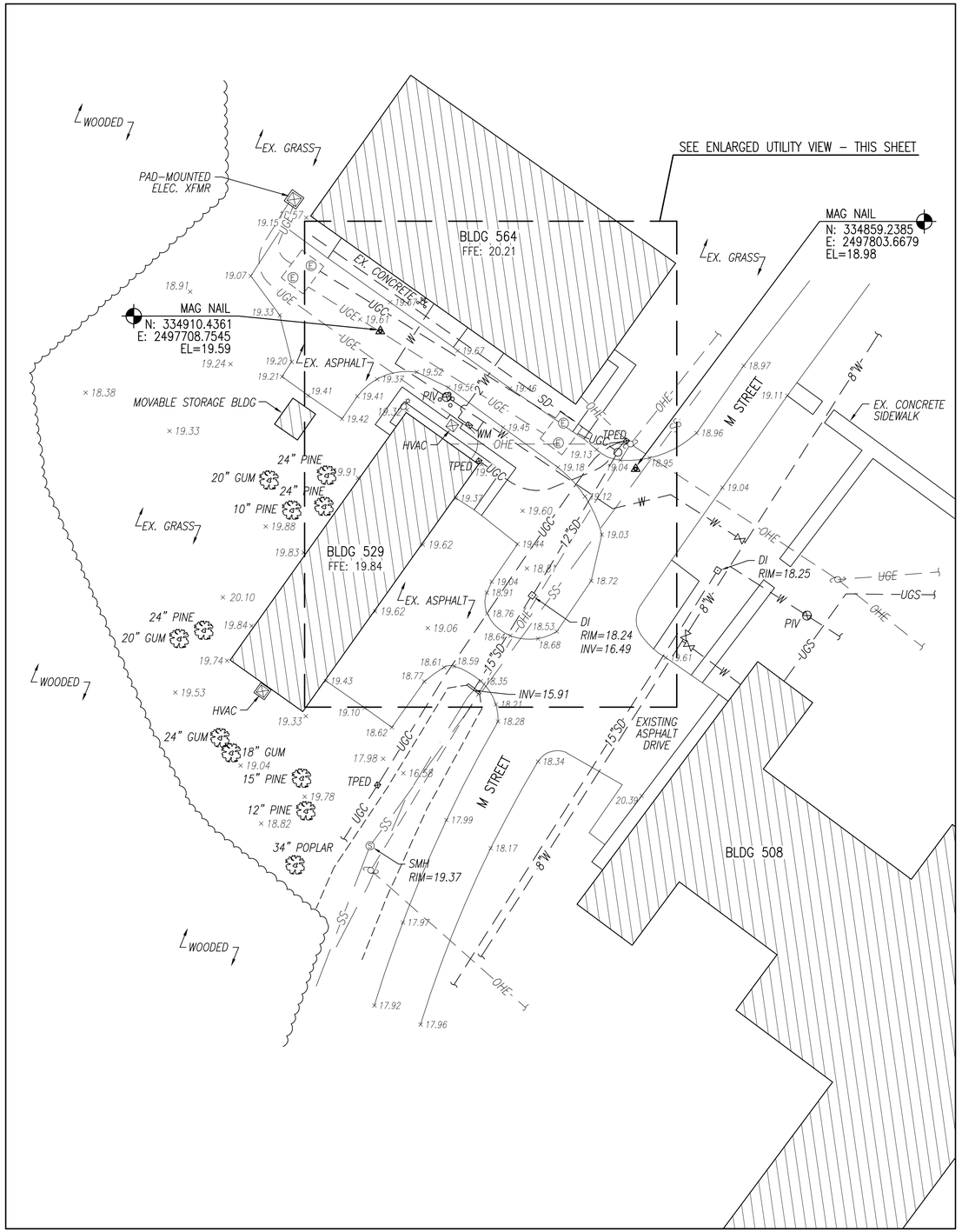
EPROJECT NO. 1168092

CONSTR. CONTR. NO. N40082-10-D-5301

NAVFAC DRAWING NO.

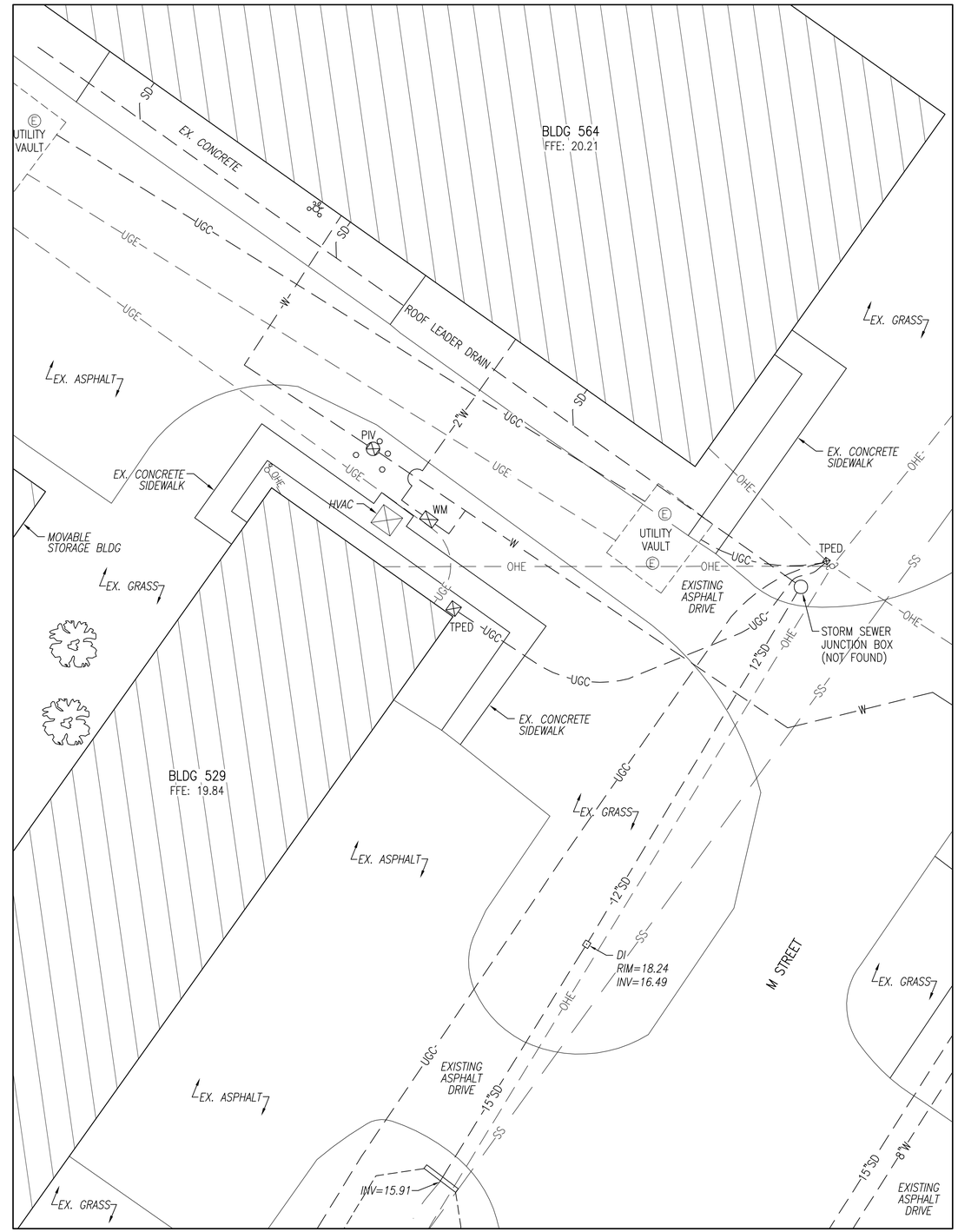
SHEET 17 OF 18

V-115



TOPOGRAPHIC SURVEY - BUILDING 529

SCALE: 1" = 25'



ENLARGED UTILITY VIEW - BUILDING 529

SCALE: 1" = 10'

GRAPHIC SCALE: 1" = 10'

GRAPHIC SCALE: 1" = 25'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 15738 3/20/13 ENGINEER JOHN K. AVOLIS

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P-1346
SIMULATOR CENTER AND RANGE CONTROL

TOPOGRAPHIC SURVEY – BUILDING 529

SCALE: GRAPHIC

EPROJECT NO. 1168092

CONSTR. CONTR. NO. N40082-10-D-5301

NAVFAC DRAWING NO.

SHEET 18 OF 18

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