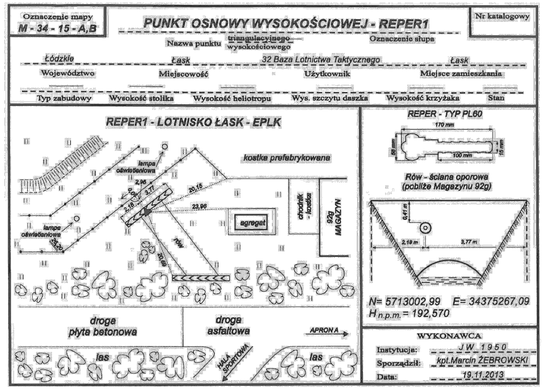
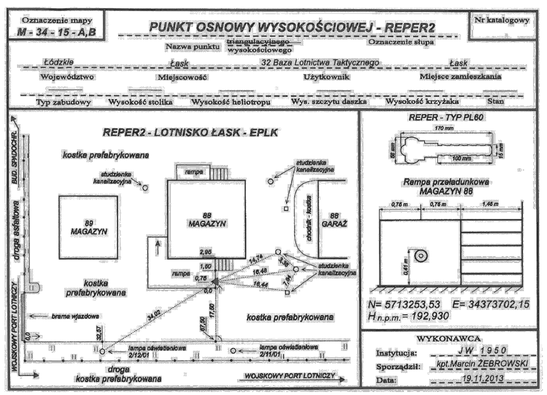
SURVEY BENCHMARK NO.1
USED FOR PROJECT TOPOGRAPHICAL SURVEY ELEVATION DATUM
REPER STANOWIĄCY NAWIĄZANIE WYSOKOŚCIOWE POMIARÓW GEODEZYJNYCH

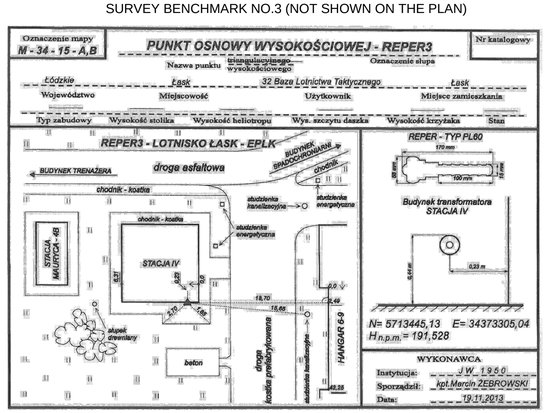


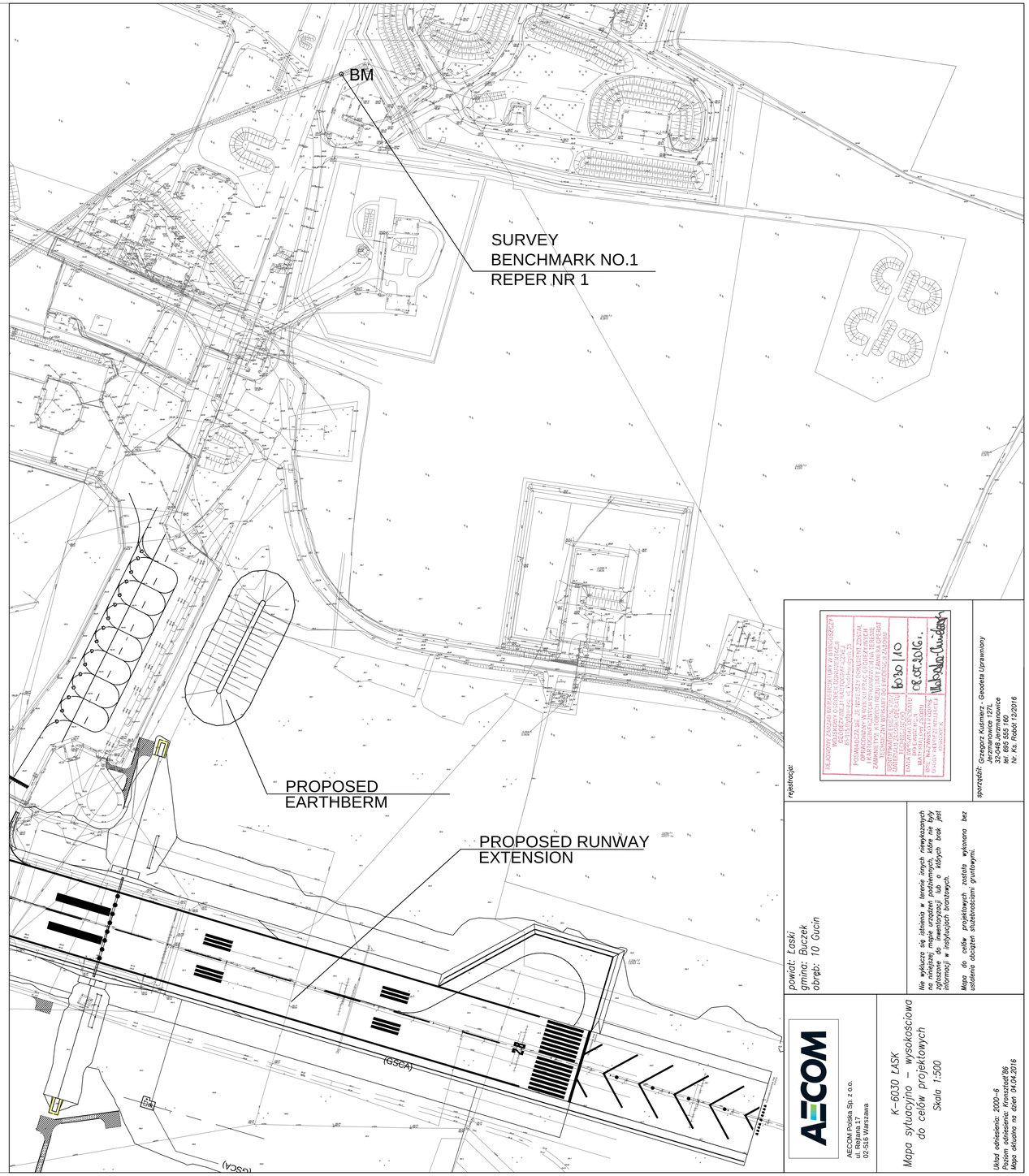
OTHER BENCHMARKS ESTABLISHED FOR THE 32. AIRFIELD BASE
POZOSTAŁE REPERY ZASTABILIZOWANE NA TERENIE 32. BAZY LOTNICZEJ

SURVEY BENCHMARK NO.2 (NOT SHOWN ON THE PLAN)



SURVEY BENCHMARK NO.3 (NOT SHOWN ON THE PLAN)





TOPOGRAPHIC SURVEY FOR THIS PROJECT WAS BASED ON ASG-EUPOS SYSTEM CALIBRATED TO WORKING BENCHMARKS ESTABLISHED FOR POLAF (WBPB) RUNWAY MODERNIZATION PROEJCT (NORTHING, EASTING ONLY). FOR ELEVATION DATUM BENCHAMRKS ESTABLISHED IN THE AIRFIELD BASE BY JW1950 LESZNO WERE USED.
MAP WAS PREPARED IN POLISH NATIONAL GRID PL-2000 ZONE 6 AND KRONSZTAD'86 ELEVATION DATUM.
A DIFFERENCE OF 45 MM WAS OBSERVED BETWEEN ELEVATION DATUM USED FOR THIS PROJECT AND DATUM USED FOR POLAF (WBPB) PROJECT. LEVELS IN POLAF (WBPB) PROJECT NEED TO BE RAISED BY 45 MM TO COMPLY WITH KRONSZTADT'86 ELEVATION DATUM.

NAWIĄZANIE SYTUACYJNE POMIARU WYKONANO BAZUJĄC NA STACJACH REFERENCYJNYCH SYSTEMU ASG-EUPOS. WYKONANO POMIAR KALIBRACYJNY NA PUNKTY OSNOWY POMIAROWEJ WYKONANEJ W RAMACH PROJEKTU MODERNIZACJI DROGI STARTOWEJ (OPRACOWANIE FIRMY WBPB). NAWIAZANIE WYSOKOŚCIOWE WYKONANO W ODNIESIENIU DO REPERÓW ZASTABILIZOWANYCH NA TERENIE BAZY LOTNICZEJ PRZEZ WOJSKOWE SŁUZBY GEODEZYJNE JW1950 LECZNO.
MAPĘ WYKONANO W PAŃSTWOWYM UKŁADZIE WSPÓŁRZĘDNYCH GEODEZYJNYCH PL-200 STREFA 6 ORAZ WYSOKOŚCIOWYM UKŁADZIE ODNIESENIA KRONSZTADT-86.
STWIERDZONO ROŻNICĘ 45 MM MIEDZY UKŁADAMI ODNIESIENIA WYSOKOŚCIOWEGO WYKORZYSTANYMI W NINEJSZYM OPRACOWANIU I PROJEKCIE POLAF (WBPB). RZĘDNE W PROJEKCIE POLAF (WBPB) NALEŻY ZWIĘKSZYĆ O 45 MM BY ODPOWIADAŁY UKŁADOWI KRONSZTADT'86.

NOTICE:
TOPOGRAPHIC MAP IS BASED ON KRONSZTAD 86 ELEVATION DATUM.PRIOR TO SETTING OUT ANY BUILDING OBJECT RZI (REJONOWY ZARZĄDINFRASTRUKTURY W BYDGOSZCZY) APPROVAL IS REQUIRED. IT IS OBLIGATORY TO OBTAIN OFFICIAL BENCHMARKS FROM RZI.

UWAGA:
MAPĘ WYKONANO W UKŁADZIE WYSOKOŚCIOWYM KRONSZTAD 86. WYZNACZENIE OBIEKTÓW BUDOWLANYCH W TERENIE MOŻE NASTĄPIĆ WYŁĄCZNIE PO UZYSKANIU ZGODY WYDANEJ PRZEZ REJONOWY ZARZĄD INFRASTRUKTURY W BYDGOSZCZY, W OPARCIU O PUNKTY OSNOWY WYSOKOŚCIOWEJ UZYSKANE Z RZI BYDGOSZCZ.

rejestracja:
RZĄDOWY ZARZĄD INFRASTRUKTURY W BYDGOSZCZY
OBSZAR NIEMILITARNY I MILITARNY
GEODEZJA I KARTOGRAFIA
PODPISANIE ZA ZGODNOŚĆ Z ORYGINAŁEM
OPRACOWANY W WYN. PRZEC. GEOTEREN. ZATCH
ZAMIANY TYP. KOMÓRKI WEWNĘTRZNYCH NA TERENIE
TERENOWY ZNAK GEODEZYJNY
BRAK ZNAKÓW GEODEZYJNYCH
KATA WYKONAŁ: GEODETA
BRIG. NACZELNIK GEODEZJI I KARTOGRAFII
MAŁGORZATA KOZIEŁŁA
08.05.2016r.

sporządził: Grzegorz Kuźmierz - Geodeta Uprawniony
Jermanowice 127L
32-048 Jerzmanowice
Nr ew. 8/2016
Nr. Ks. Rodzaj 12/2016

powiat: Łaski
gmina: Buczek
obręb: 10 Gucin

Nie wyłącza się istnienia w terenie innych niewyszczególnionych na niniejszej mapie urządzeń podziemnych, które nie były zgłoszone do inwentaryzacji lub o których brak jest informacji w wydziałach branżowych.

Mapa do celów projektowych, została wykonana bez ustalenia obcięć służebnościami gruntowymi.

AECOM

AECOM Polska Sp. z o.o.
ul. Wybrzeże 17
02-516 Warszawa

K-6030 ŁASK
Mapa sytuacyjno – wysokościowa
do celów projektowych
Skala 1:500

Układ odniesienia: 2000-6
Płaszczyzna odniesienia: kronsztad'86
Mapa aktualna na dzień 04.04.2016

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: MARCH 2017
SOLICITATION NO.:
PROJECT NO.: PAYZ150/02A

DESIGNED BY: A. WIECZOREK
DRAWN BY: J. GACZKOWSKI
CHECKED BY: F. HUGHES
SUBMITTED BY: D. DIEHL
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

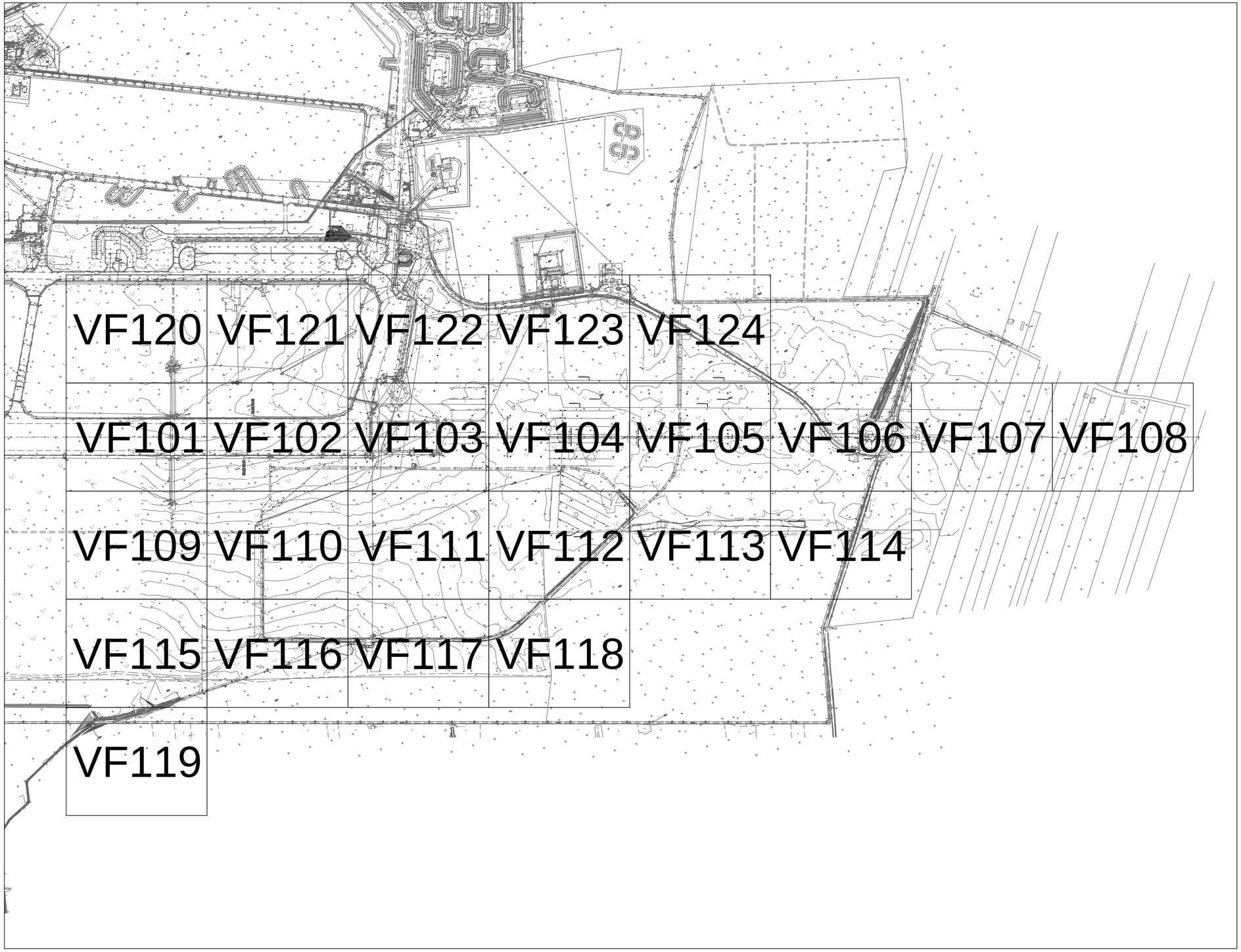
AECOM INTERNATIONAL, INC.
SIEMENSTRABE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

SURVEY CONTROL DATA
OSNOWA GEODEZYJNA

SHEET ID
V-101

C:\PWWORKING\AECOM_EU\JGACZKOWSKI\D0159385\15-D-0008-0003VV-101.DWG
3/2/2017 JACEK.GACZKOWSKI NOT TO SCALE 100%



N

NOTICE:
TOPOGRAPHIC MAP IS BASED ON KRONSZTAD 86 ELEVATION DATUM. PRIOR TO SETTING OUT ANY BUILDING OBJECT RZI (REJONOWY ZARZĄDINFRASTRUKTURY W BYDGOSZCZY) APPROVAL IS REQUIRED. IT IS OBLIGATORY TO OBTAIN OFFICIAL BENCHMARKS FROM RZI.

UWAGA:
MAPĘ WYKONANO W UKŁADZIE WYSOKOŚCIOWYM KRONSZTAD 86.
WYZNACZENIE OBIEKTÓW BUDOWLANYCH W TERENIE MOŻE NASTĄPIĆ WYŁĄCZNIE PO UZYSKANIU ZGODY WYDANEJ PRZEZ REJONOWY ZARZĄD INFRASTRUKTURY W BYDGOSZCZY, W OPARCIU O PUNKTY OSNOWY WYSOKOŚCIOWEJ UZYSKANE Z RZI BYDGOSZCZ.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: A. WIECZOREK
DRAWN BY: J. GACZKOWSKI
CHECKED BY: D. HUGHES
SUBMITTED BY: D. DIEHL
SIZE: ANSI D
ISSUE DATE: MARCH 2017
SOLICITATION NO.:
PROJECT NO.: PAY215002A

U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAÈE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - SHEET ARRANGEMENT
STAN ISTNIEJĄCY - ROZKŁAD ARKUSZY

SHEET ID
VF100

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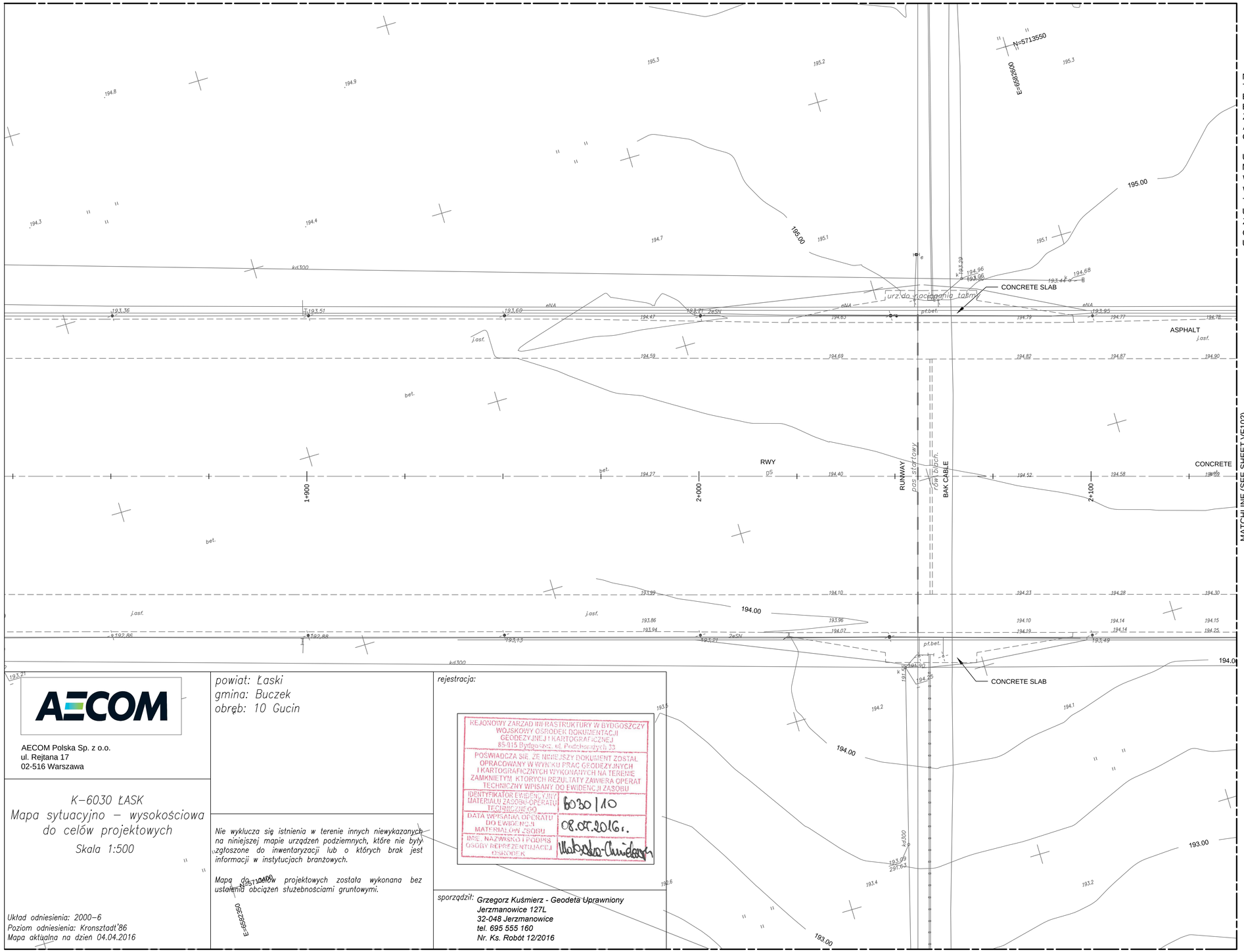
3/2/2017 JACEK.GACZKOWSKI NOT TO SCALE
100%

MATCHLINE (SEE SHEET VF120)



MATCHLINE (SEE SHEET VF109)

NOTICE:
TOPOGRAPHIC MAP IS BASED ON KRONSZTAD 86 ELEVATION DATUM. PRIOR TO SETTING OUT ANY BUILDING OBJECT RZI (REJONOWY ZARZĄDINFRASTRUKTURY W BYDGOSZCZY) APPROVAL IS REQUIRED. IT IS OBLIGATORY TO OBTAIN OFFICIAL BENCHMARKS FROM RZI.

UWAGA:
MAPĘ WYKONANO W UKŁADZIE WYSOKOŚCIOWYM KRONSZTAD 86.
WYZNACZENIE OBIEKTÓW BUDOWLANYCH W TERENIE MOŻE NASTĄPIĆ WYŁĄCZNIE PO UZYSKANIU ZGODY WYDANEJ PRZEZ REJONOWY ZARZĄD INFRASTRUKTURY W BYDGOSZCZY, W OPARCIU O PUNKTY OSNOWY WYSOKOŚCIOWEJ UZYSKANE Z RZI BYDGOSZCZ.

AECOM

AECOM Polska Sp. z o.o.
ul. Rejtana 17
02-516 Warszawa

K-6030 ŁASK
Mapa sytuacyjno – wysokościowa do celów projektowych
Skala 1:500

Układ odniesienia: 2000-6
Poziom odniesienia: Kronsztadt'86
Mapa aktualna na dzień 04.04.2016

powiat: Łaski
gmina: Buczek
obręb: 10 Gucin

Nie wyklucza się istnienia w terenie innych niewykazanych na niniejszej mapie urządzeń podziemnych, które nie były zgłoszone do inwentaryzacji lub o których brak jest informacji w instytucjach branżowych.

Mapa do celów projektowych została wykonana bez ustalenia obciążeń służebnościami gruntowymi.

rejestracja:

REJONOWY ZARZĄD INFRASTRUKTURY W BYDGOSZCZY
WOJSKOWY OŚRODEK DOKUMENTACJI GEODEZYJNEJ I KARTOGRAFICZNEJ
85-915 Bydgoszcz, ul. Podchorążych 33
POŚWIADCZA SIĘ, ŻE NINIEJSZY DOKUMENT ZOSTAŁ OPRACOWANY W WYNIKU PRAC GEODEZYJNYCH I KARTOGRAFICZNYCH WYKONANYCH NA TERENIE ZAMKNIĘTYM, KTÓRYCH REZULTATY ZAWIERA OPERAT TECHNICZNY WPISANY DO EWIDENCJI ZASOBU
IDENTYFIKATOR EWIDENCYJNY MATERIAŁU ZASOBU-OPERATU TECHNICZNEGO: 6030/10
DATA WPISANIA OPERATU DO EWIDENCJI MATERIAŁÓW ZASOBU: 08.09.2016 r.
IMIE, NAZWISKO I PODPIS OSOBY REPREZENTUJĄCEJ OŚRODEK: [illegible]

sporządził: Grzegorz Kuśmierz - Geodeta Uprawniony
Jerzmanowice 127L
32-048 Jerzmanowice
tel. 695 555 160
Nr. Ks. Robót 12/2016

VF120	VF121	VF122	VF123	VF124			
VF101	VF102	VF103	VF104	VF105	VF106	VF107	VF108
VF109	VF110	VF111	VF112	VF113	VF114		
VF115	VF116	VF117	VF118				
VF119							

0 25
SCALE IN METERS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: A. WIECZOREK
DRAWN BY: J. GACZKOWSKI
CHECKED BY: D. HUGHES
SUBMITTED BY: D. DIEHL
SIZE: ANSI D
ISSUE DATE: MARCH 2017
SOLICITATION NO.:
PROJECT NO.: PAY215002A

U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF101

C:\PWWORKING\AECOM_EU\JGACZKOWSKI\D0159385\15-D-0008-0003VVF101.DWG
3/2/2017 JACEK.GACZKOWSKI 1:500

100%

MATCHLINE (SEE SHEET VF121)

UTILITY POLES WITH WEATHER EQUIPMENT

MAST

MAST

PAPI LIGHTS

lampy PAPI

N=5713450

E=5658390

194.00

193.00

ASPHALT

RWY

CONCRETE

2+200

2+300

2+400

MATCHLINE (SEE SHEET VF101)

MATCHLINE (SEE SHEET VF103)

ASPHALT

PAPI LIGHTS

lampy PAPI

N=5713350

E=5658390

CONCRETE PAVEMENT

ROAD 3.0

192.00

MATCHLINE (SEE SHEET VF110)

VF120	VF121	VF122	VF123	VF124				
VF101	VF102	VF103	VF104	VF105	VF106	VF107	VF108	
VF109	VF110	VF111	VF112	VF113	VF114			
VF115	VF116	VF117	VF118					
VF119								

0 25

SCALE IN METERS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

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CHECKED BY: D. HUGHES
SUBMITTED BY: D. DIEHL
SIZE: ANSI D

ISSUE DATE: MARCH 2017
SOLICITATION NO.:
CONTRACT NO.:
PROJECT NO.: PAY215002A

U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAßE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID

VF102

C:\PWWORKING\AECOM_EU\JGACZKOWSKI\D0159385\15-D-0008-0003VVF101.DWG
3/2/2017 JACEK.GACZKOWSKI 1:500

100%

MATCHLINE (SEE SHEET VF122)

MATCHLINE (SEE SHEET VF102)

MATCHLINE (SEE SHEET VF104)

MATCHLINE (SEE SHEET VF111)

CONCRETE PAVEMENT

CONCRETE TILES

CONCRETE SLAB

ROAD 3.0

ASPHALT

EXISTING RWY POE
RWY EXTENSION POB
2+499.16

N=5713300
E=5593200

N=5713350
E=5593200

W18
W19
C_5
C_6
C_7
C_8
C_9
C_10 (CPTU)
C_11
C_12
C_13
C_14
C_15
C_16
C_17 (CPTU)
C_18 (CPTU)
C_19
C_20 (CPTU)
C_21

1+500
2+600
2+700

VF120	VF121	VF122	VF123	VF124			
VF101	VF102	VF103	VF104	VF105	VF106	VF107	VF108
VF109	VF110	VF111	VF112	VF113	VF114		
VF115	VF116	VF117	VF118				
VF119							

0 25
SCALE IN METERS

US Army Corps of Engineers®

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DESIGNED BY: A. WIECZOREK
DRAWN BY: J. GACZKOWSKI
CHECKED BY: D. HUGHES
SUBMITTED BY: D. DIEHL
SIZE: ANSI D
ISSUE DATE: MARCH 2017
SOLICITATION NO.:
PROJECT NO.: PAY215002A

U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAßE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF103

C:\PWWORKING\AECOM_EU\JGACZKOWSKI\D0159385\15-D-0008-0003\VF101.DWG
3/2/2017 JACEK.GACZKOWSKI 1:500

100%

MATCHLINE (SEE SHEET VF123)

MATCHLINE (SEE SHEET VF103)

MATCHLINE (SEE SHEET VF105)

MATCHLINE (SEE SHEET VF112)

W20 191.5

W21 191.6

W22 192.3

192.00

3,258/12
1,659,7 ha

PLOT NUMBER/AREA

PROPERTY BORDER

C_22

C_23 (CPTU)

C_24

C_25 (CPTU)

C_26 (CPTU)

C_27

C_28 (CPTU)

C_29

C_30

C_31 (CPTU)

C_32

C_33 (CPTU)

C_34 (CPTU)

C_35

C_36 (CPTU)

C_37

RWY EXTENSION POE
3+000.01

2+800

2+900

3+000

CONCRETE SLAB

ASPHALT

191.00

192.00

VF120	VF121	VF122	VF123	VF124			
VF101	VF102	VF103	VF104	VF105	VF106	VF107	VF108
VF109	VF110	VF111	VF112	VF113	VF114		
VF115	VF116	VF117	VF118				
VF119							

0 25
SCALE IN METERS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: A. WIECZOREK
DRAWN BY: J. GACZKOWSKI
CHECKED BY: D. HUGHES
SUBMITTED BY: D. DIEHL
SIZE: ANSI D
ISSUE DATE: MARCH 2017
SOLICITATION NO.:
PROJECT NO.: PAY215002A

U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRABE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF104

C:\PWWORKING\AECOM_EU\JGACZKOWSKI\D0159385\15-D-0008-0003\VF101.DWG
3/2/2017 JACEK.GACZKOWSKI 1:500

100%

MATCHLINE (SEE SHEET VF124)

MATCHLINE (SEE SHEET VF104)

MATCHLINE (SEE SHEET VF106)

MATCHLINE (SEE SHEET VF113)

N

N=5713200

E=5658300

PLOT NUMBER/AREA 3.257/7 .4407 ha

PROPERTY BORDER

PROPOSED OVERRUN POE 3+150.01

ASPHALT

N=5713050

E=5658550

W23 W24 W25 W26

C_38 C_39 C_40 C_41 C_42 C_43 C_53 C_54

EN_1 EN_2 EN_3 EN_4 EN_5 EN_6 EN_7 EN_8 EN_9 EN_10

192.00 193.00

3+100 3+200 3+300

VF120	VF121	VF122	VF123	VF124			
VF101	VF102	VF103	VF104	VF105	VF106	VF107	VF108
VF109	VF110	VF111	VF112	VF113	VF114		
VF115	VF116	VF117	VF118				
VF119							

0 25
SCALE IN METERS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: A. WIECZOREK
DRAWN BY: J. GACZKOWSKI
CHECKED BY: D. HUGHES
SUBMITTED BY: D. DIEHL
SIZE: ANSI D
ISSUE DATE: MARCH 2017
SOLICITATION NO.:
PROJECT NO.: PAY215002A

U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRABE 10
NEU-ISENBURG, 63263

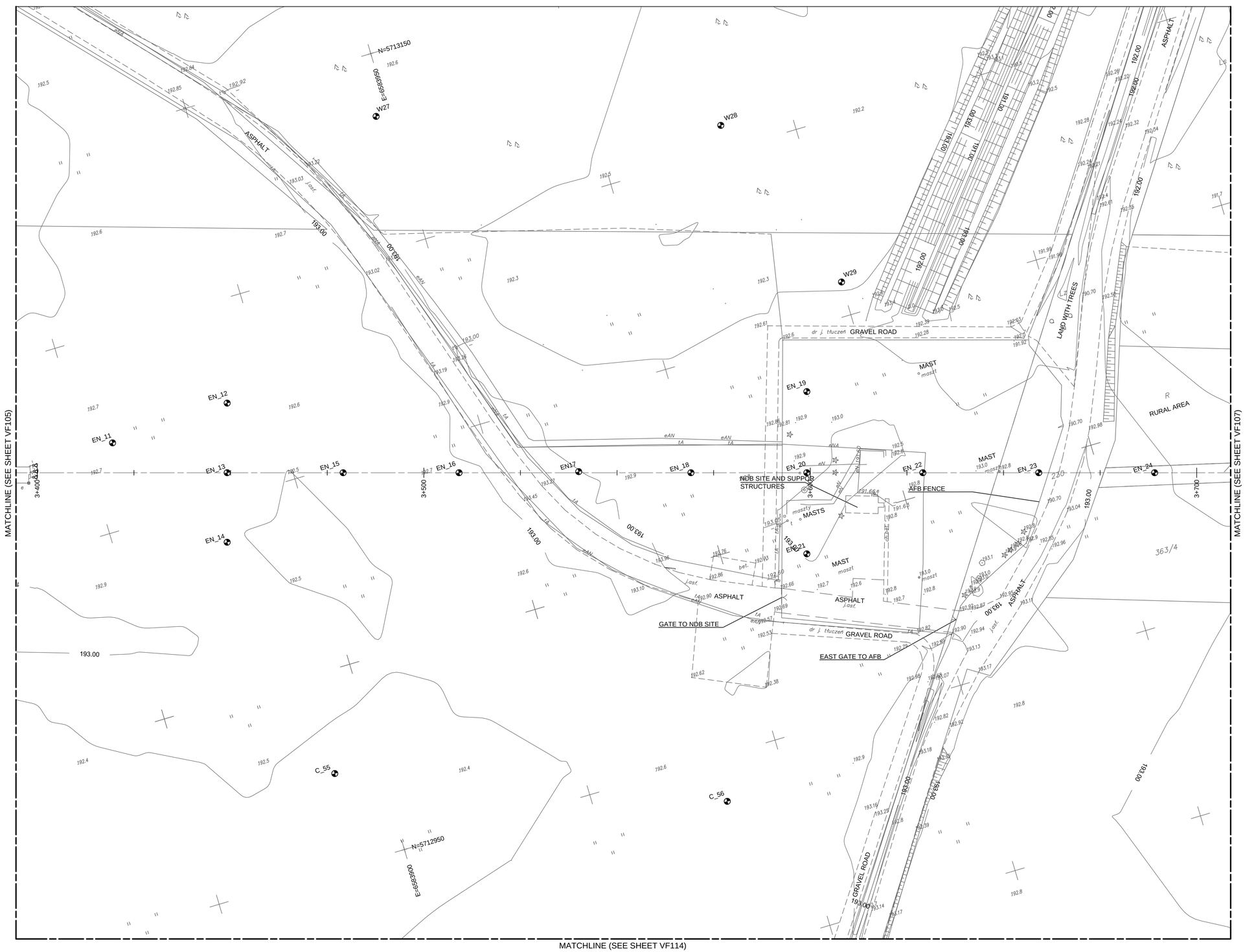
ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF105

C:\PWWORKING\AECOM_EU\JGACZKOWSKI\D0159385\15-D-0008-0003VVF101.DWG
3/2/2017 JACEK.GACZKOWSKI 1:500

100%



VF120	VF121	VF122	VF123	VF124			
VF101	VF102	VF103	VF104	VF105	VF106	VF107	VF108
VF109	VF110	VF111	VF112	VF113	VF114		
VF115	VF116	VF117	VF118				
VF119							

0 25
SCALE IN METERS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: MARCH 2017
SOLICITATION NO.:
PROJECT NO.: PAY215002A

DESIGNED BY: A. WIECZOREK
DRAWN BY: J. GACZKOWSKI
CHECKED BY: D. HUGHES
SUBMITTED BY: D. DIEHL
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAE 10
NEU-ISENBURG, 63263

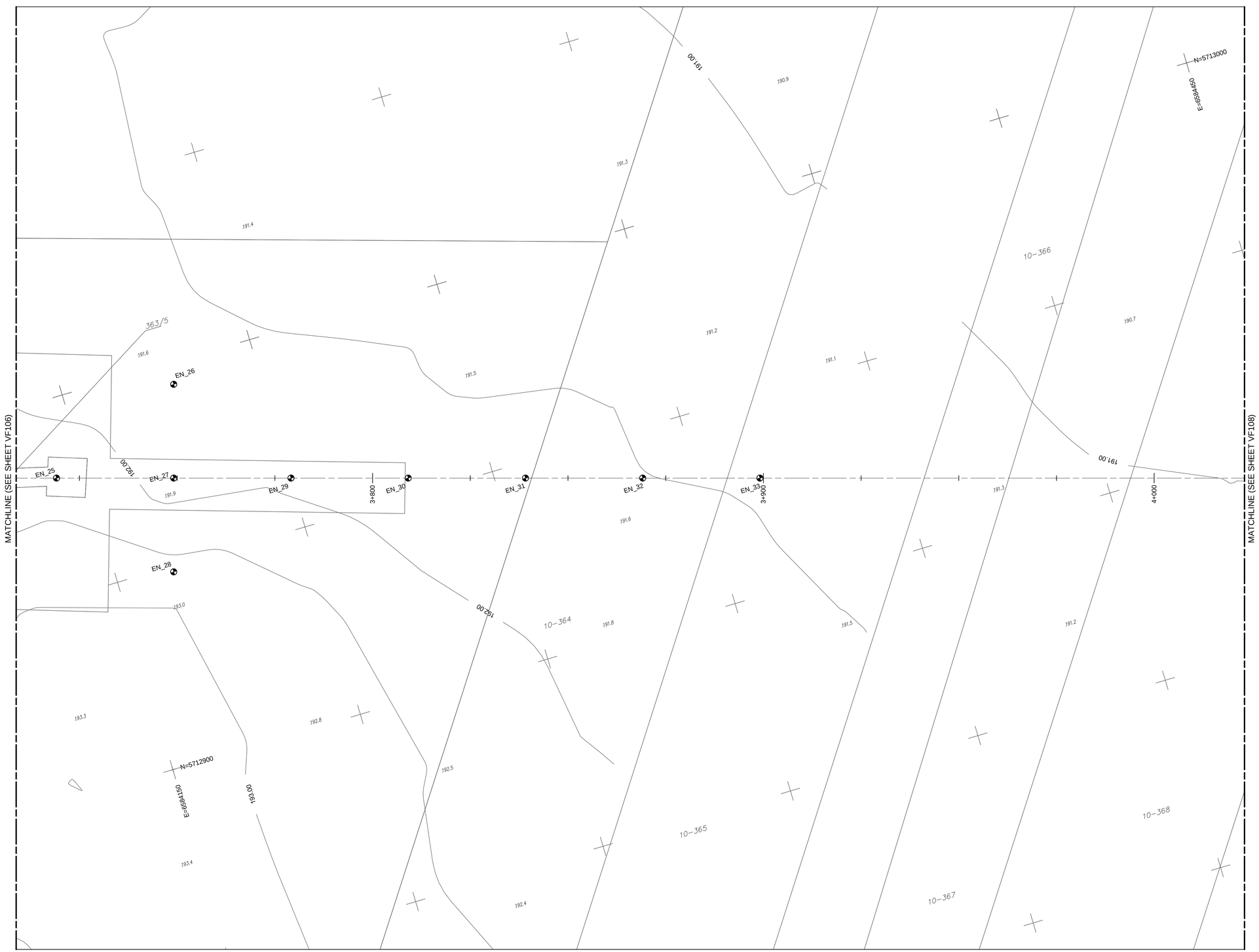
ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF106

C:\PWWORKING\AECOM_EU\JGACZKOWSKI\D0159385\15-D-0008-0003VVF101.DWG
3/2/2017 JACEK.GACZKOWSKI 1:500

100%



N

VF120	VF121	VF122	VF123	VF124				
VF101	VF102	VF103	VF104	VF105	VF106	VF107	VF108	
VF109	VF110	VF111	VF112	VF113	VF114			
VF115	VF116	VF117	VF118					
VF119								

0 25
SCALE IN METERS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: MARCH 2017
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PROJECT NO.: PAY215002A

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DRAWN BY: J. GACZKOWSKI
CHECKED BY: D. HUGHES
SUBMITTED BY: D. DIEHL
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL; INC.
SIEMENSSTRAAE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF107

C:\PWWORKING\AECOM_EU\JGACZKOWSKI\D0159385\15-D-0008-0003VVF101.DWG
3/2/2017 JACEK.GACZKOWSKI 1:500

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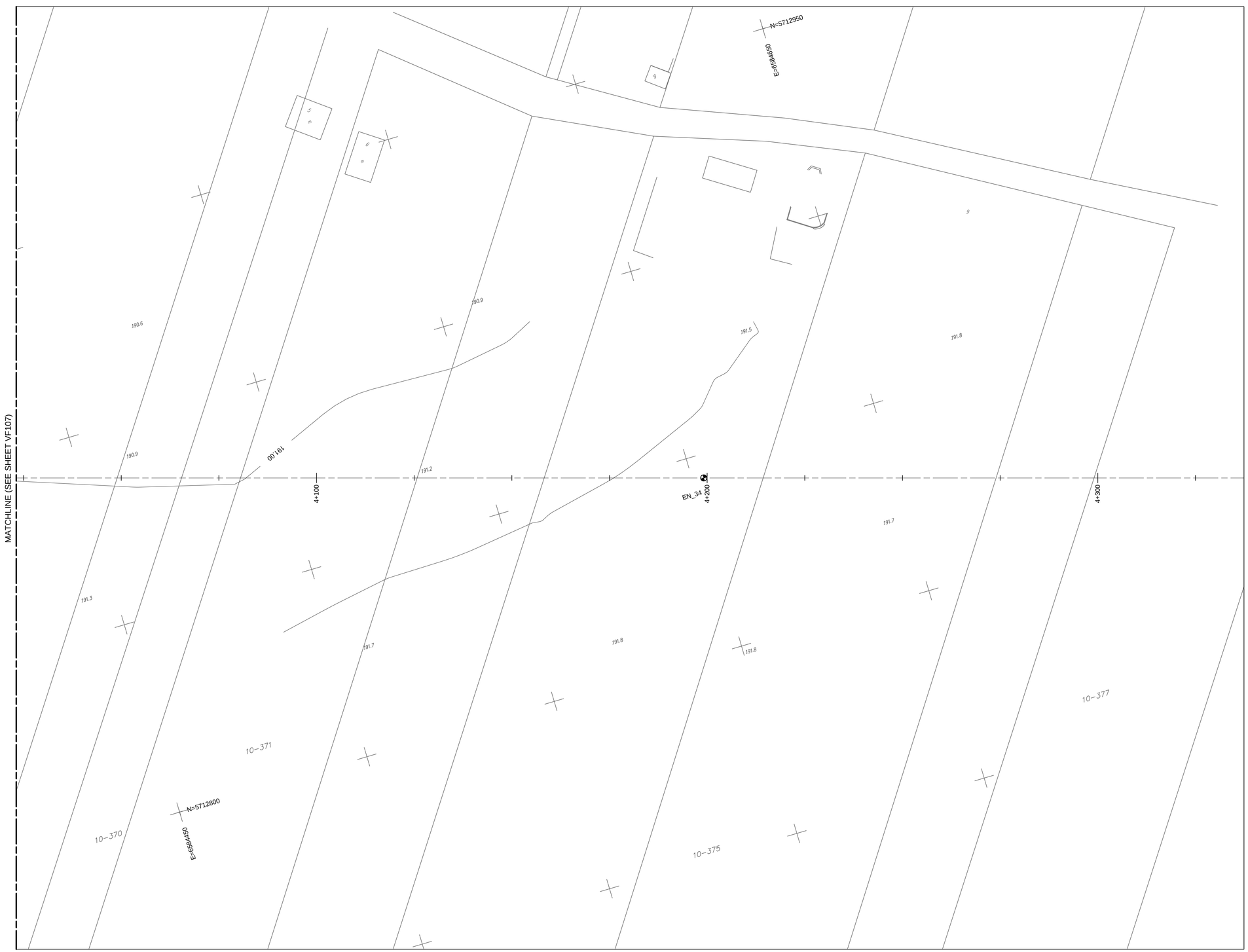

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VF120	VF121	VF122	VF123	VF124			
VF101	VF102	VF103	VF104	VF105	VF106	VF107	VF108
VF109	VF110	VF111	VF112	VF113	VF114		
VF115	VF116	VF117	VF118				
VF119							

0 25
SCALE IN METERS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: A. WIECZOREK
DRAWN BY: J. GACZKOWSKI
CHECKED BY: D. HUGHES
SUBMITTED BY: D. DIEHL
SIZE: ANSI D
ISSUE DATE: MARCH 2017
SOLICITATION NO.:
PROJECT NO.: PAY215002A

U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAßE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF108

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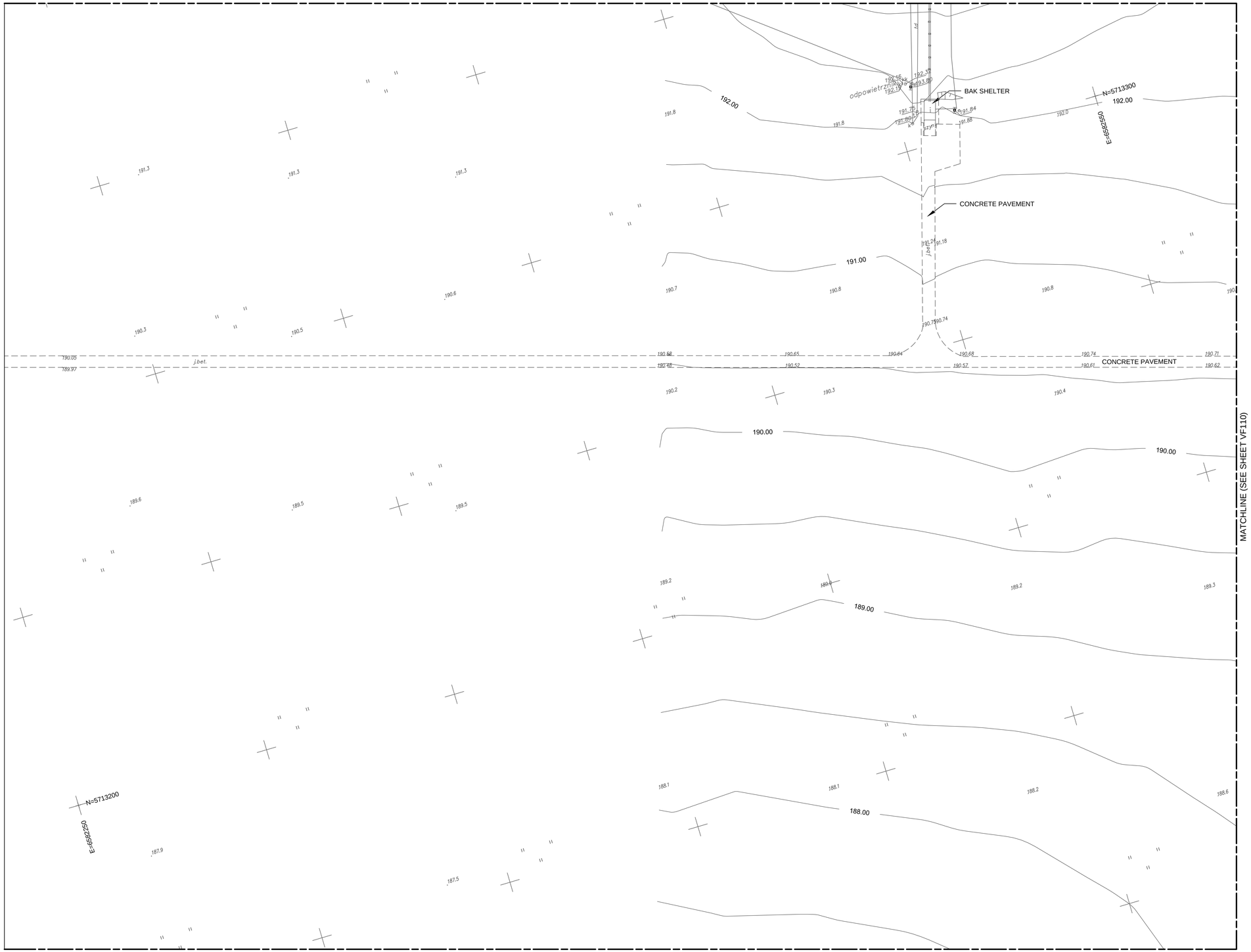
3/2/2017 JACEK.GACZKOWSKI 1:500

100%

MATCHLINE (SEE SHEET VF101)



MATCHLINE (SEE SHEET VF110)

MATCHLINE (SEE SHEET VF115)

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VF109	VF110	VF111	VF112	VF113	VF114		
VF115	VF116	VF117	VF118				
VF119							

0 25
SCALE IN METERS

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U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAGE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF109

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3/2/2017 JACEK.GACZKOWSKI 1:500

100%

MATCHLINE (SEE SHEET VF102)

MATCHLINE (SEE SHEET VF109)

MATCHLINE (SEE SHEET VF111)

MATCHLINE (SEE SHEET VF116)

CONCRETE PAVEMENT

CONCRETE SLAB

CONCRETE PAVEMENT

ASPHALT

192.00

191.00

190.00

189.00

N=5713200

E=5528250

N=5713100

E=5528250

N

0 25

SCALE IN METERS

VF120	VF121	VF122	VF123	VF124				
VF101	VF102	VF103	VF104	VF105	VF106	VF107	VF108	
VF109	VF110	VF111	VF112	VF113	VF114			
VF115	VF116	VF117	VF118					
VF119								

US Army Corps of Engineers®

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U.S. ARMY CORPS OF ENGINEERS
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WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAßE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
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STAN ISTNIEJĄCY

SHEET ID

VF110

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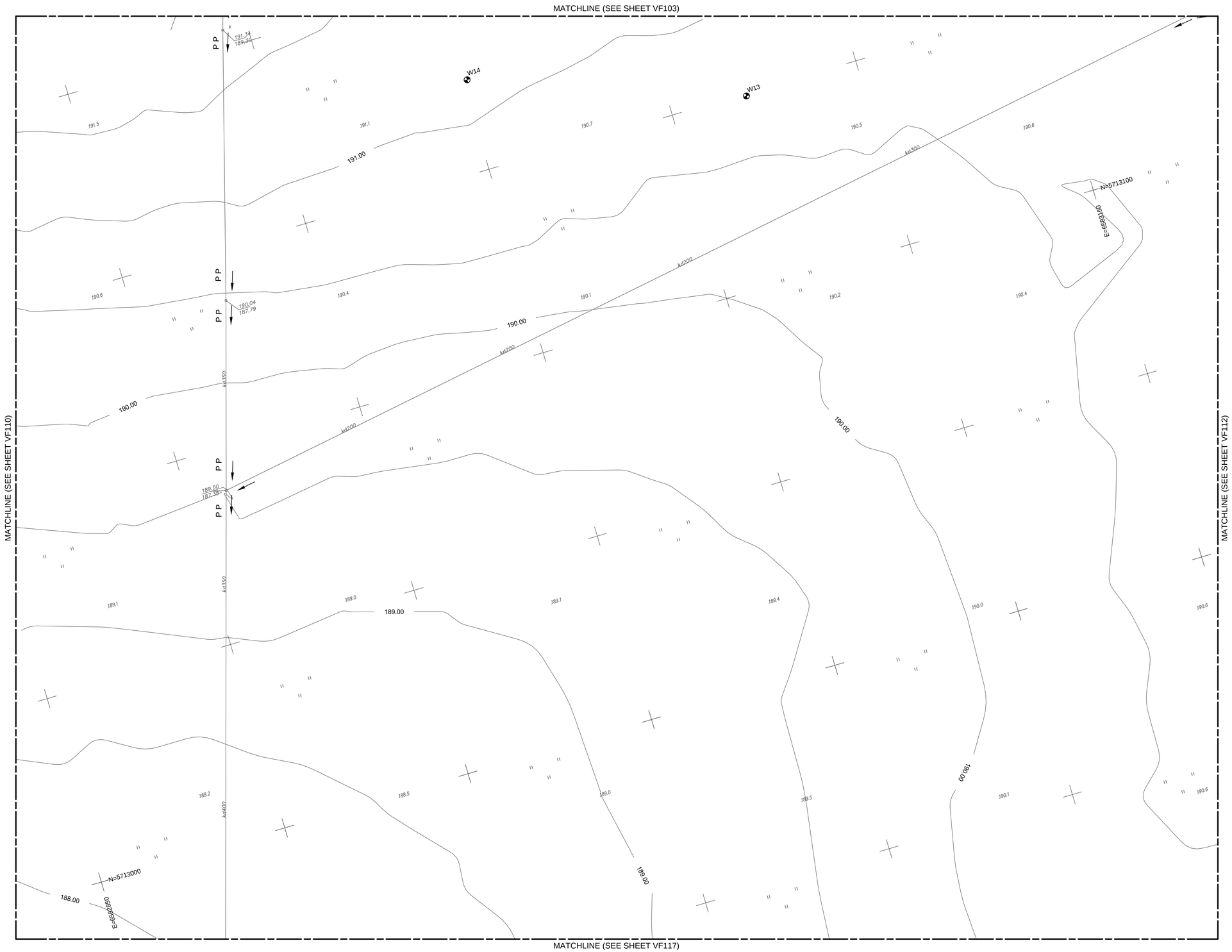

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VF109	VF110	VF111	VF112	VF113	VF114			
VF115	VF116	VF117	VF118					
VF119								

0 25
SCALE IN METERS

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U.S. ARMY CORPS OF ENGINEERS
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WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF111

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3/2/2017 JACEK.GACZKOWSKI 1:500

100%

MATCHLINE (SEE SHEET VF104)

MATCHLINE (SEE SHEET VF111)

MATCHLINE (SEE SHEET VF113)

MATCHLINE (SEE SHEET VF118)

W12 W15 W16 W17 W11 W10

191.00 191.2 191.3 191.4 191.5 190.8 190.9 190.5 190.95 191.16 191.26 191.32 191.36 191.37 191.43 191.48 191.54 191.61

ASPHALT

LAND TYPE CHANGE
TREE AREA/NON-TREE AREA

PROPERTY BORDER

3.261/2
1.1100

3.261/4
25.5338

VF120	VF121	VF122	VF123	VF124			
VF101	VF102	VF103	VF104	VF105	VF106	VF107	VF108
VF109	VF110	VF111	VF112	VF113	VF114		
VF115	VF116	VF117	VF118				
VF119							

0 25
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U.S. ARMY CORPS OF ENGINEERS
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WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF112

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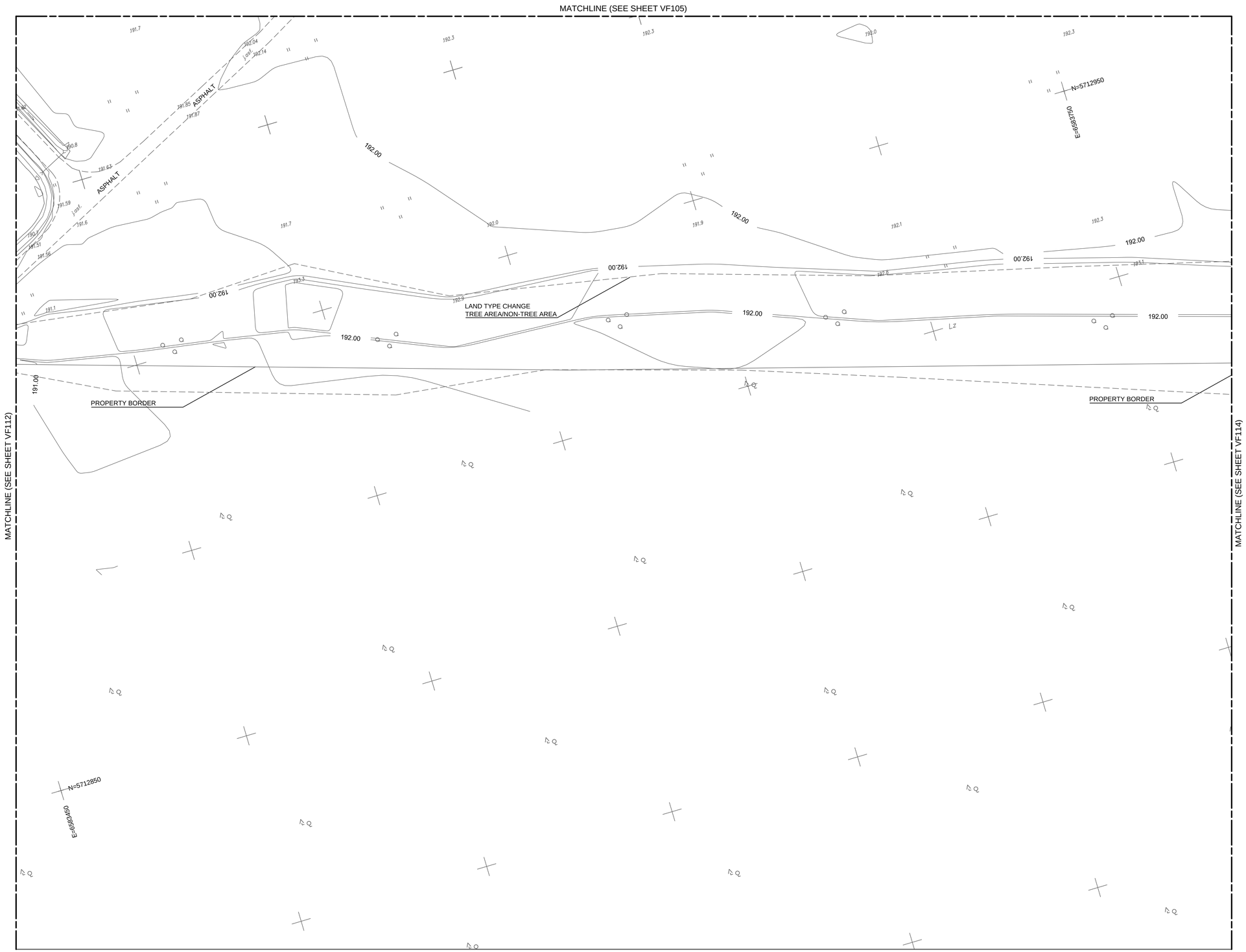
3/2/2017 JACEK.GACZKOWSKI 1:500

100%



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VF109	VF110	VF111	VF112	VF113	VF114			
VF115	VF116	VF117	VF118					
VF119								

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KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAÑE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF113

C:\PWWORKING\AECOM_EU\JGACZKOWSKI\D0159385\15-D-0008-0003VVF101.DWG
3/2/2017 JACEK.GACZKOWSKI 1:500

100%

MATCHLINE (SEE SHEET VF106)

MATCHLINE (SEE SHEET VF113)

GRAVEL ROAD

N=5712850

E=6568050

N=5712750

E=6568150

192.00

192.00

192.00

192.00

1.363/6

VF120	VF121	VF122	VF123	VF124				
VF101	VF102	VF103	VF104	VF105	VF106	VF107	VF108	
VF109	VF110	VF111	VF112	VF113	VF114			
VF115	VF116	VF117	VF118					
VF119								

0 25
SCALE IN METERS

US Army Corps of Engineers®

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U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAGE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

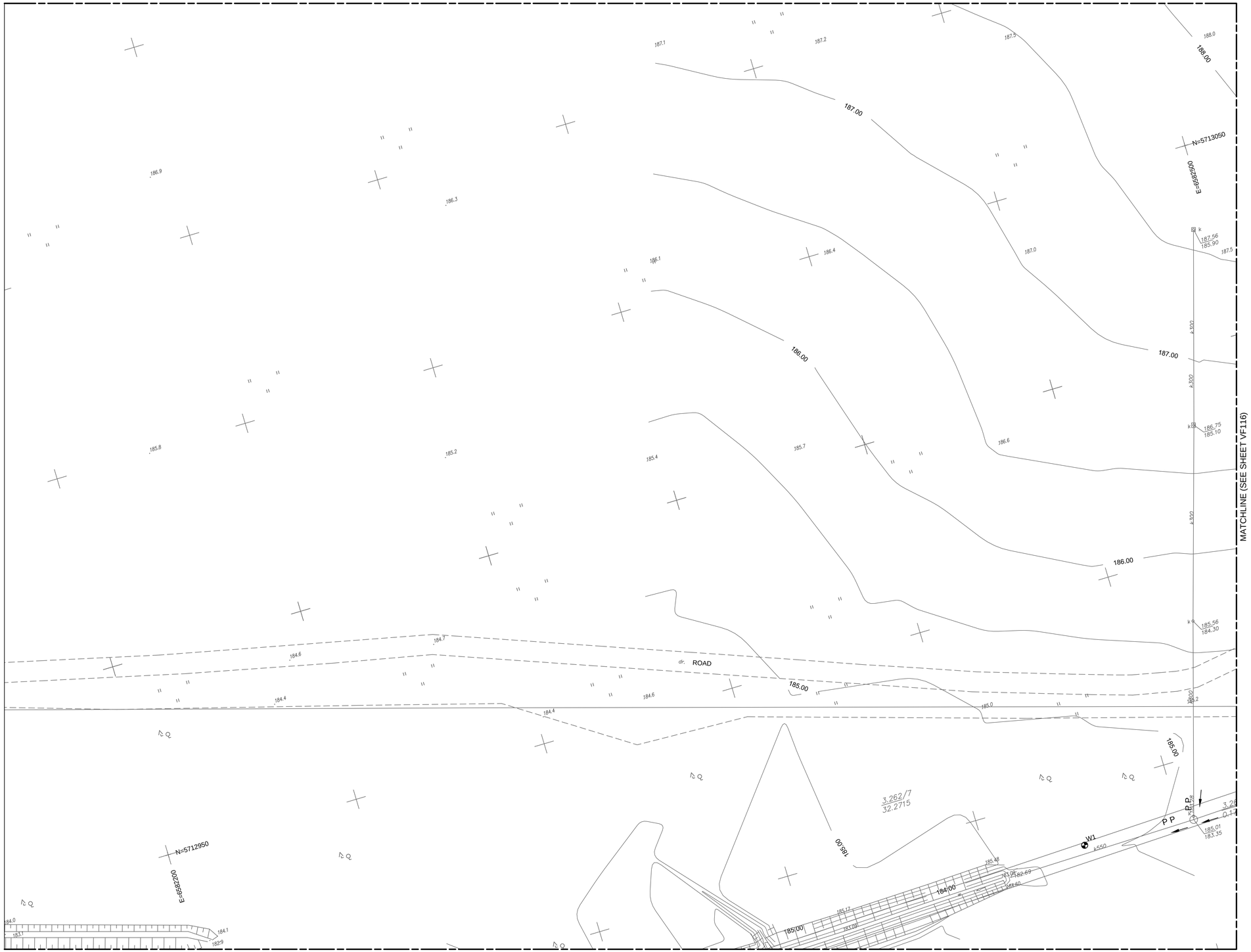
EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF114

C:\PWWORKING\AECOM_EU\JGACZKOWSKI\D0159385\15-D-0008-0003VVF101.DWG
3/2/2017 JACEK.GACZKOWSKI 1:500

100%

MATCHLINE (SEE SHEET VF109)



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VF109	VF110	VF111	VF112	VF113	VF114			
VF115	VF116	VF117	VF118					
VF119								

0 25
SCALE IN METERS

US Army Corps of Engineers®

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CHECKED BY: D. HUGHES
SUBMITTED BY: D. DIEHL
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ISSUE DATE: MARCH 2017
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PROJECT NO.: PAY215002A

U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAGE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF115

C:\PWWORKING\AECOM_EU\JGACZKOWSKI\D0159385\15-D-0008-0003VVF101.DWG
3/2/2017 JACEK.GACZKOWSKI 1:500

100%

MATCHLINE (SEE SHEET VF110)

MATCHLINE (SEE SHEET VF115)

MATCHLINE (SEE SHEET VF117)

ASPHALT

ROAD

N=5712950

E=6582800

N=5712850

E=6582900

W2

W3

W4

SCALE IN METERS

VF120	VF121	VF122	VF123	VF124				
VF101	VF102	VF103	VF104	VF105	VF106	VF107	VF108	
VF109	VF110	VF111	VF112	VF113	VF114			
VF115	VF116	VF117	VF118					
VF119								

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: A. WIECZOREK
DRAWN BY: J. GACZKOWSKI
CHECKED BY: D. HUGHES
SUBMITTED BY: D. DIEHL
SIZE: ANSI D
ISSUE DATE: MARCH 2017
SOLICITATION NO.:
PROJECT NO.: PAY215002A

U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAGE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID

VF116

C:\PWWORKING\AECOM_EU\JGACZKOWSKI\D0159385\15-D-0008-0003VVF101.DWG
3/2/2017 JACEK.GACZKOWSKI 1:500

100%

MATCHLINE (SEE SHEET VF111)

MATCHLINE (SEE SHEET VF116)

MATCHLINE (SEE SHEET VF118)

ASPHALT

EXIS. OIL SEPARATOR

N=5712900

E=6568100

N=5712800

E=6568200

VF120	VF121	VF122	VF123	VF124			
VF101	VF102	VF103	VF104	VF105	VF106	VF107	VF108
VF109	VF110	VF111	VF112	VF113	VF114		
VF115	VF116	VF117	VF118				
VF119							

0 25
SCALE IN METERS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: A. WIECZOREK
DRAWN BY: J. GACZKOWSKI
CHECKED BY: D. HUGHES
SUBMITTED BY: D. DIEHL
SIZE: ANSI D
ISSUE DATE: MARCH 2017
SOLICITATION NO.:
PROJECT NO.: PAYZ15002A

U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAGE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF117

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3/2/2017 JACEK.GACZKOWSKI 1:500

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VF120	VF121	VF122	VF123	VF124				
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VF109	VF110	VF111	VF112	VF113	VF114			
VF115	VF116	VF117	VF118					
VF119								

0 25
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ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF118

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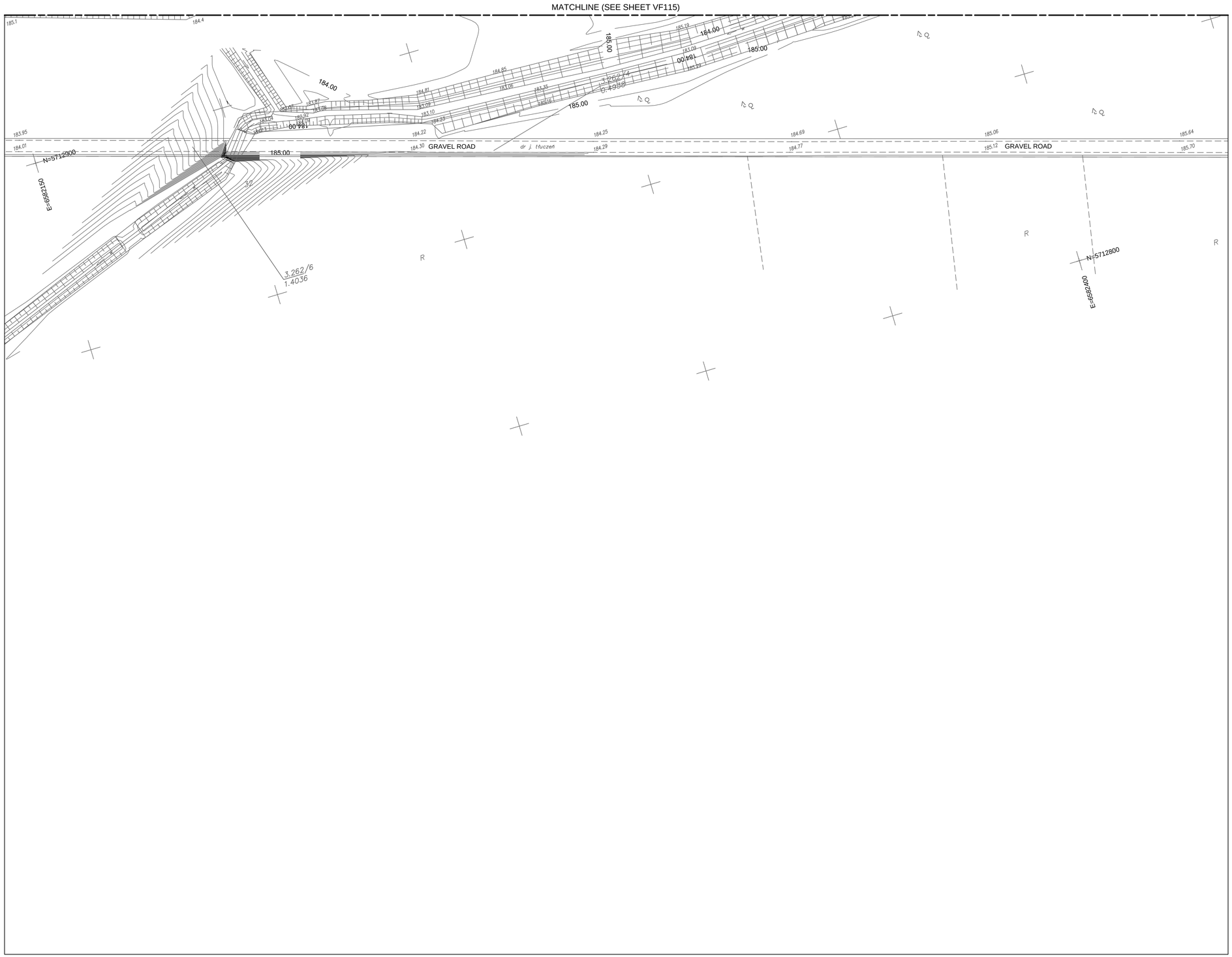

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VF115	VF116	VF117	VF118					
VF119								

0 25
SCALE IN METERS

US Army Corps of Engineers®

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U.S. ARMY CORPS OF ENGINEERS
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WIESBADEN, D-65187 / GERMANY

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SIEMENSSTRAßE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF119

C:\PWWORKING\AECOM_EU\JGACZKOWSKI\ID0159385\15-D-0008-0003VVF101.DWG
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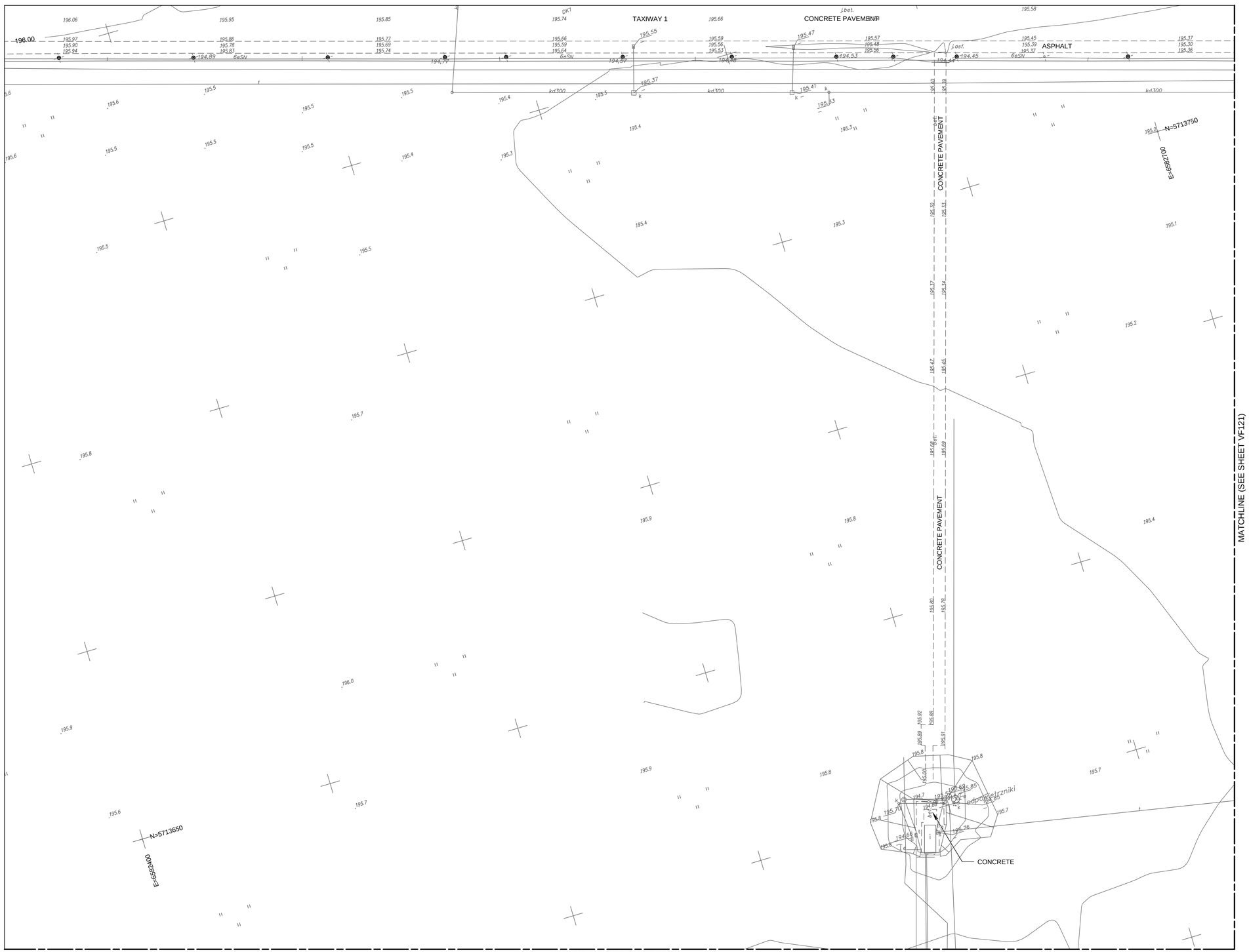

VF120	VF121	VF122	VF123	VF124				
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VF115	VF116	VF117	VF118					
VF119								

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SHEET ID
VF120

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3/2/2017 JACEK.GACZKOWSKI 1:500

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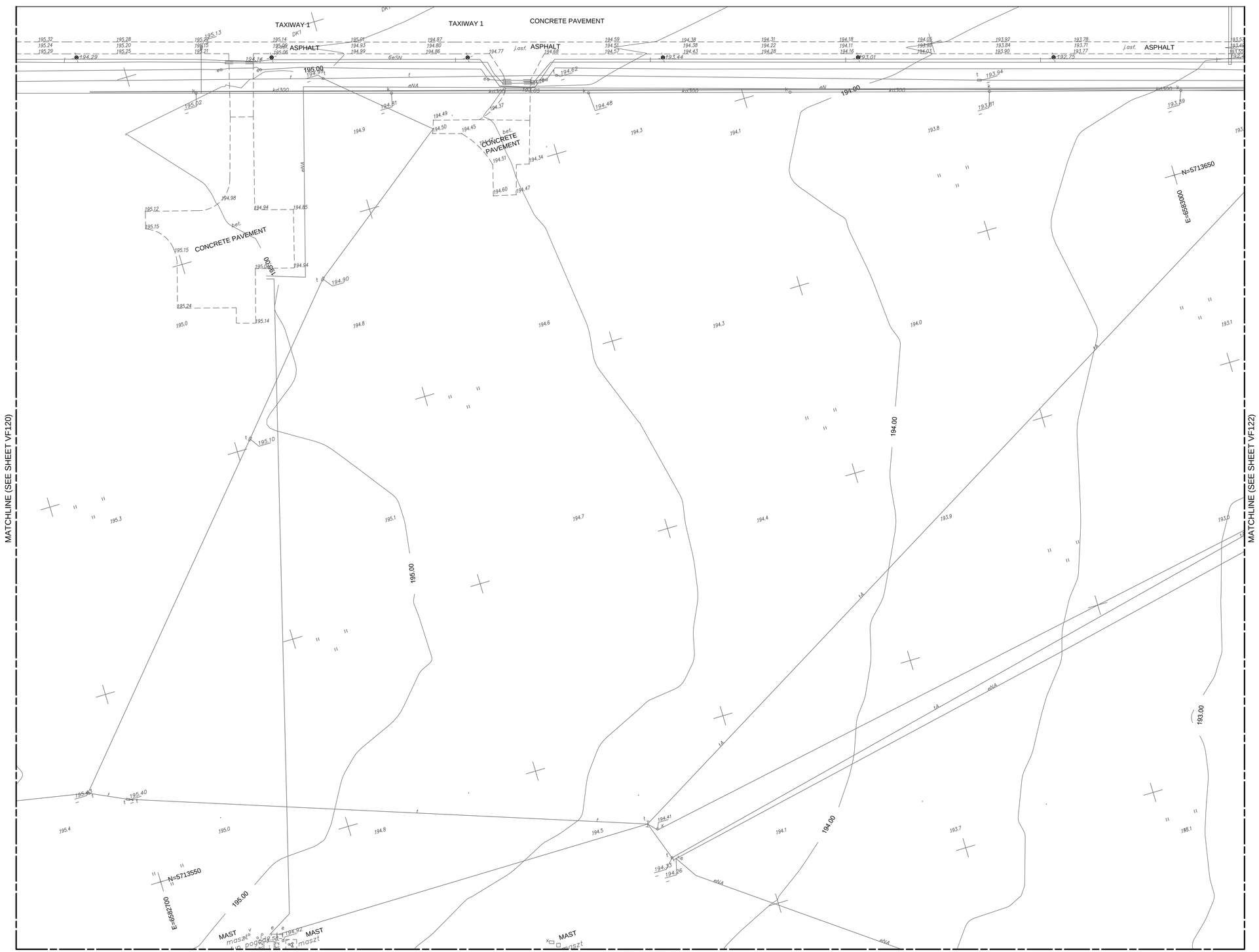

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VF109	VF110	VF111	VF112	VF113	VF114			
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VF119								

0 25
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AECOM INTERNATIONAL, INC.
SIEMENSSTRAGE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF121

C:\PWWORKING\AECOM_EU\JGACZKOWSKI\D0159385\15-D-0008-0003VVF101.DWG
3/2/2017 JACEK.GACZKOWSKI 1:500

100%

VF120	VF121	VF122	VF123	VF124				
VF101	VF102	VF103	VF104	VF105	VF106	VF107	VF108	
VF109	VF110	VF111	VF112	VF113	VF114			
VF115	VF116	VF117	VF118					
VF119								

0 25
SCALE IN METERS

US Army Corps of Engineers®

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CHECKED BY: D. HUGHES
SUBMITTED BY: D. DIEHL
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAAE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF122

C:\PWWORKING\AECOM_EU\JGACZKOWSKI\ID0159385\15-D-0008-0003VVF101.DWG
3/2/2017 JACEK.GACZKOWSKI 1:500

100%

VF120	VF121	VF122	VF123	VF124				
VF101	VF102	VF103	VF104	VF105	VF106	VF107	VF108	
VF109	VF110	VF111	VF112	VF113	VF114			
VF115	VF116	VF117	VF118					
VF119								

0 25
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U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAGE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID
VF123

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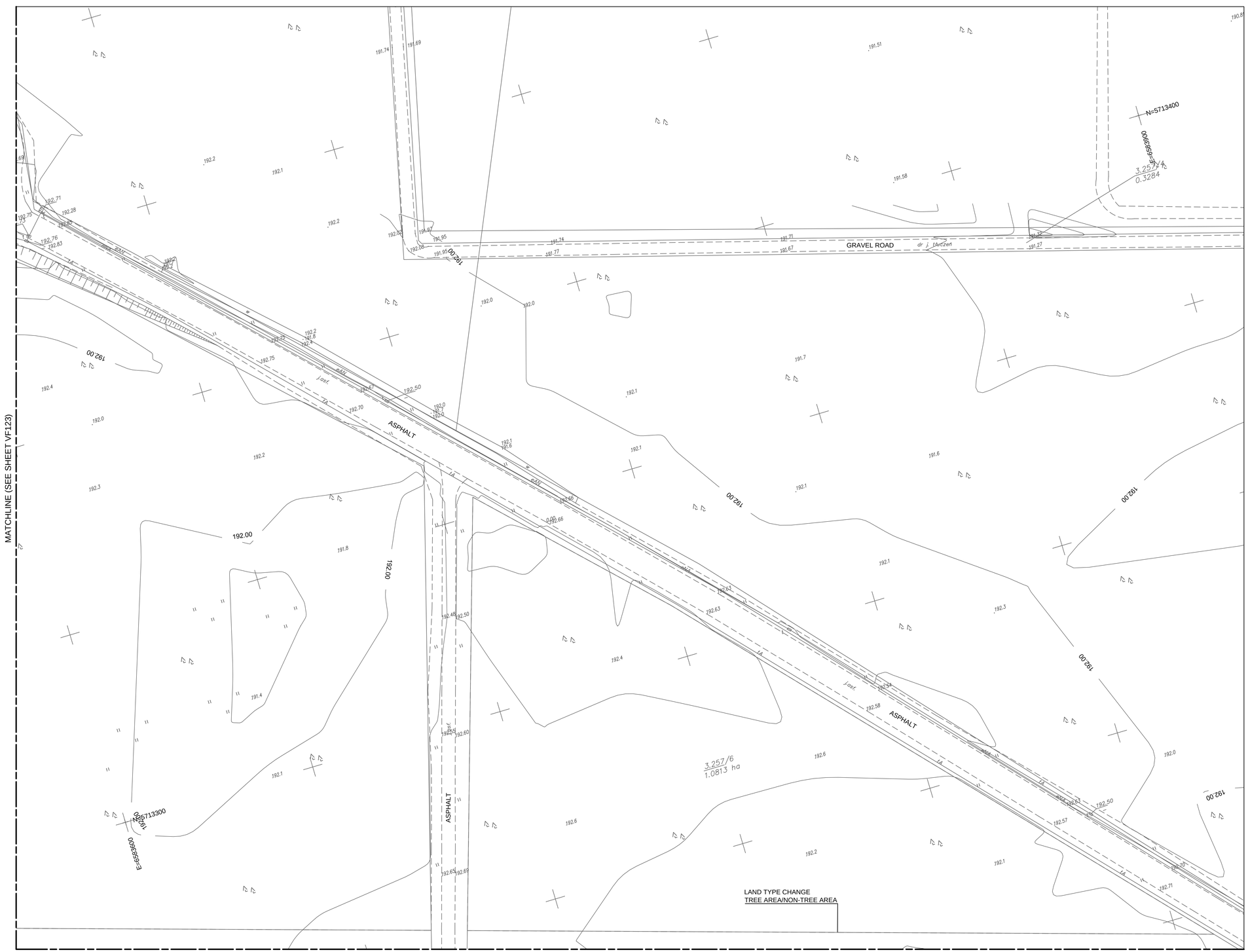

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VF109	VF110	VF111	VF112	VF113	VF114			
VF115	VF116	VF117	VF118					
VF119								

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DRAWN BY: J. GACZKOWSKI
CHECKED BY: D. HUGHES
SUBMITTED BY: D. DIEHL
SIZE: ANSI D
ISSUE DATE: MARCH 2017
SOLICITATION NO.:
PROJECT NO.: PAY215002A

U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAGE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

EXIST. CONDITIONS - RZI APPROVED TOPO SURVEY
STAN ISTNIEJĄCY

SHEET ID

VF124

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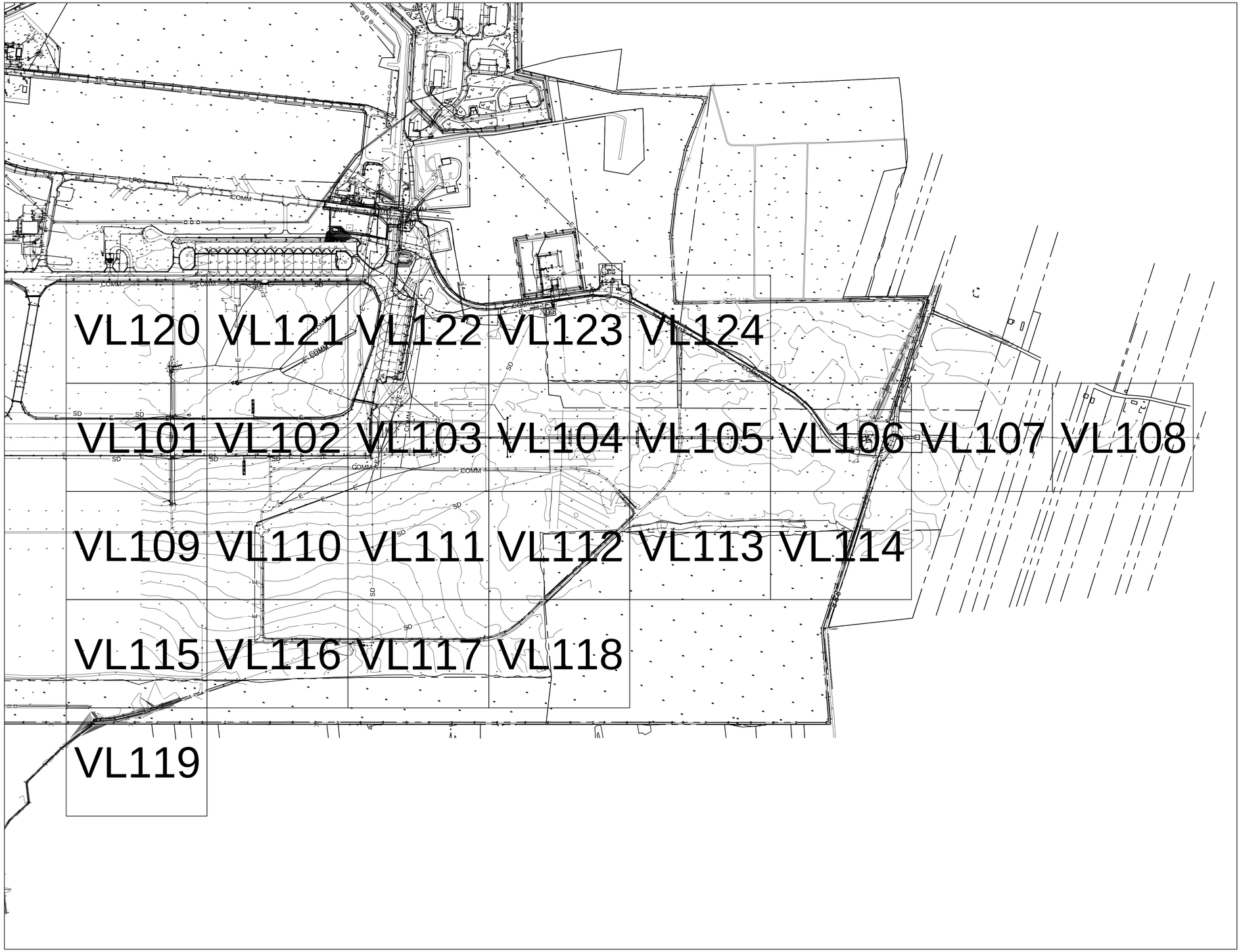

NOTICE:
TOPOGRAPHIC MAP IS BASED ON KRONSZTAD 86 ELEVATION DATUM. PRIOR TO SETTING OUT ANY BUILDING OBJECT RZI (REJONOWY ZARZĄDINFRASTRUKTURY W BYDGOSZCZY) APPROVAL IS REQUIRED. IT IS OBLIGATORY TO OBTAIN OFFICIAL BENCHMARKS FROM RZI.

UWAGA:
MAPĘ WYKONANO W UKŁADZIE WYSOKOŚCIOWYM KRONSZTAD 86. WYZNACZENIE OBIEKTÓW BUDOWLANYCH W TERENIE MOŻE NASTĄPIĆ WYŁĄCZNIE PO UZYSKANIU ZGODY WYDANEJ PRZEZ REJONOWY ZARZĄD INFRASTRUKTURY W BYDGOSZCZY, W OPARCIU O PUNKTY OSNOWY WYSOKOŚCIOWEJ UZYSKANE Z RZI BYDGOSZCZ.

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AECOM INTERNATIONAL, INC.
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NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

TOPO SURVEY - USACE CAD STANDARD
SHEET ARRANGEMENT
MAPA WG STAND USA - ROZKŁAD ARKUSZY

SHEET ID
VL100

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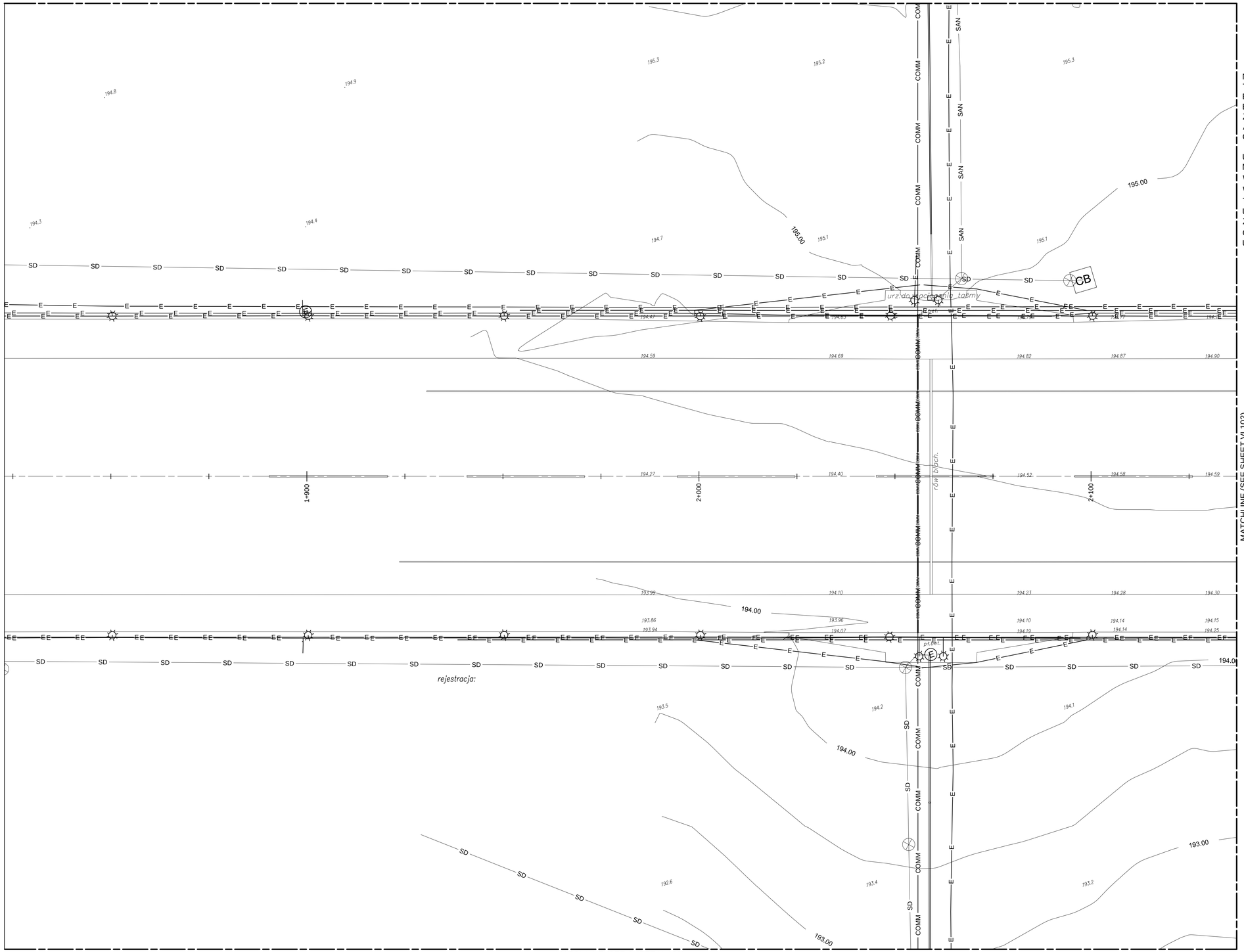
MATCHLINE (SEE SHEET VL120)



MATCHLINE (SEE SHEET VL109)

NOTICE:
TOPOGRAPHIC MAP IS BASED ON KRONSZTAD 86 ELEVATION DATUM. PRIOR TO SETTING OUT ANY BUILDING OBJECT RZI (REJONOWY ZARZĄDINFRASTRUKTURY W BYDGOSZCZY) APPROVAL IS REQUIRED. IT IS OBLIGATORY TO OBTAIN OFFICIAL BENCHMARKS FROM RZI.

UWAGA:
MAPĘ WYKONANO W UKŁADZIE WYSOKOŚCIOWYM KRONSZTAD 86.
WYZNACZENIE OBIEKTÓW BUDOWLANYCH W TERENIE MOŻE NASTĄPIĆ WYŁĄCZNIE PO UZYSKANIU ZGODY WYDANEJ PRZEZ REJONOWY ZARZĄD INFRASTRUKTURY W BYDGOSZCZY, W OPARCIU O PUNKTY OSNOWY WYSOKOŚCIOWEJ UZYSKANE Z RZI BYDGOSZCZ.

VL120	VL121	VL122	VL123	VL124			
VL101	VL102	VL103	VL104	VL105	VL106	VL107	VL108
VL109	VL110	VL111	VL112	VL113	VL114		
VL115	VL116	VL117	VL118				
VL119							

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SCALE IN METERS

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NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

TOPO SURVEY – USACE CAD STANDARD
MAPA WG STANDARDÓW AMERYKAŃSKICH

SHEET ID
VL101

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MATCHLINE (SEE SHEET VL121)

MATCHLINE (SEE SHEET VL101)

MATCHLINE (SEE SHEET VL103)

MATCHLINE (SEE SHEET VL110)

2+200

2+300

2+400

CB

VL120	VL121	VL122	VL123	VL124			
VL101	VL102	VL103	VL104	VL105	VL106	VL107	VL108
VL109	VL110	VL111	VL112	VL113	VL114		
VL115	VL116	VL117	VL118				
VL119							

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ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

TOPO SURVEY – USACE CAD STANDARD
MAPA WG STANDARDÓW AMERYKAŃSKICH

SHEET ID
VL102

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3/2/2017 JACEK.GACZKOWSKI 1:500

100%

MATCHLINE (SEE SHEET VL122)

MATCHLINE (SEE SHEET VL102)

MATCHLINE (SEE SHEET VL104)

MATCHLINE (SEE SHEET VL111)

EXISTING RWY POE
RWY EXTENSION POB
2+499.16

VL120	VL121	VL122	VL123	VL124			
VL101	VL102	VL103	VL104	VL105	VL106	VL107	VL108
VL109	VL110	VL111	VL112	VL113	VL114		
VL115	VL116	VL117	VL118				
VL119							

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AECOM INTERNATIONAL, INC.
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ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

TOPO SURVEY – USACE CAD STANDARD
MAPA WG STANDARDÓW AMERYKAŃSKICH

SHEET ID
VL103

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3/2/2017 JACEK.GACZKOWSKI 1:500

100%

MATCHLINE (SEE SHEET VL123)

MATCHLINE (SEE SHEET VL103)

MATCHLINE (SEE SHEET VL105)

MATCHLINE (SEE SHEET VL112)

W20 W21 W22

C_22 C_23 (CPTU) C_24 C_25 (CPTU) C_26 (CPTU) C_27 C_28 (CPTU) C_29 C_30 C_31 (CPTU) C_32 C_33 (CPTU) C_34 (CPTU) C_35 C_36 (CPTU) C_37

RWY EXTENSION POE
3+000.01

2+800 2+900 3+000

191.00 192.00

VL120	VL121	VL122	VL123	VL124			
VL101	VL102	VL103	VL104	VL105	VL106	VL107	VL108
VL109	VL110	VL111	VL112	VL113	VL114		
VL115	VL116	VL117	VL118				
VL119							

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AECOM INTERNATIONAL, INC.
SIEMENSSTRABE 10
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ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

TOPO SURVEY – USACE CAD STANDARD
MAPA WG STANDARDÓW AMERYKAŃSKICH

SHEET ID
VL104

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100%

MATCHLINE (SEE SHEET VL124)

MATCHLINE (SEE SHEET VL104)

MATCHLINE (SEE SHEET VL106)

MATCHLINE (SEE SHEET VL113)

PROPOSED OVERRUN POE
3+150.01

W23 W24 W25 W26
C_38 C_39 C_40 C_41 C_42 C_43 C_53 C_54
EN_1 EN_2 EN_3 EN_4 EN_5 EN_6 EN_7 EN_8 EN_9 EN_10
3+100 3+200 3+300

VL120	VL121	VL122	VL123	VL124			
VL101	VL102	VL103	VL104	VL105	VL106	VL107	VL108
VL109	VL110	VL111	VL112	VL113	VL114		
VL115	VL116	VL117	VL118				
VL119							

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TOPO SURVEY – USACE CAD STANDARD
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SHEET ID
VL105

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VL109	VL110	VL111	VL112	VL113	VL114			
VL115	VL116	VL117	VL118					
VL119								

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ŁASK AB, POLAND

TOPO SURVEY – USACE CAD STANDARD
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SHEET ID
VL106

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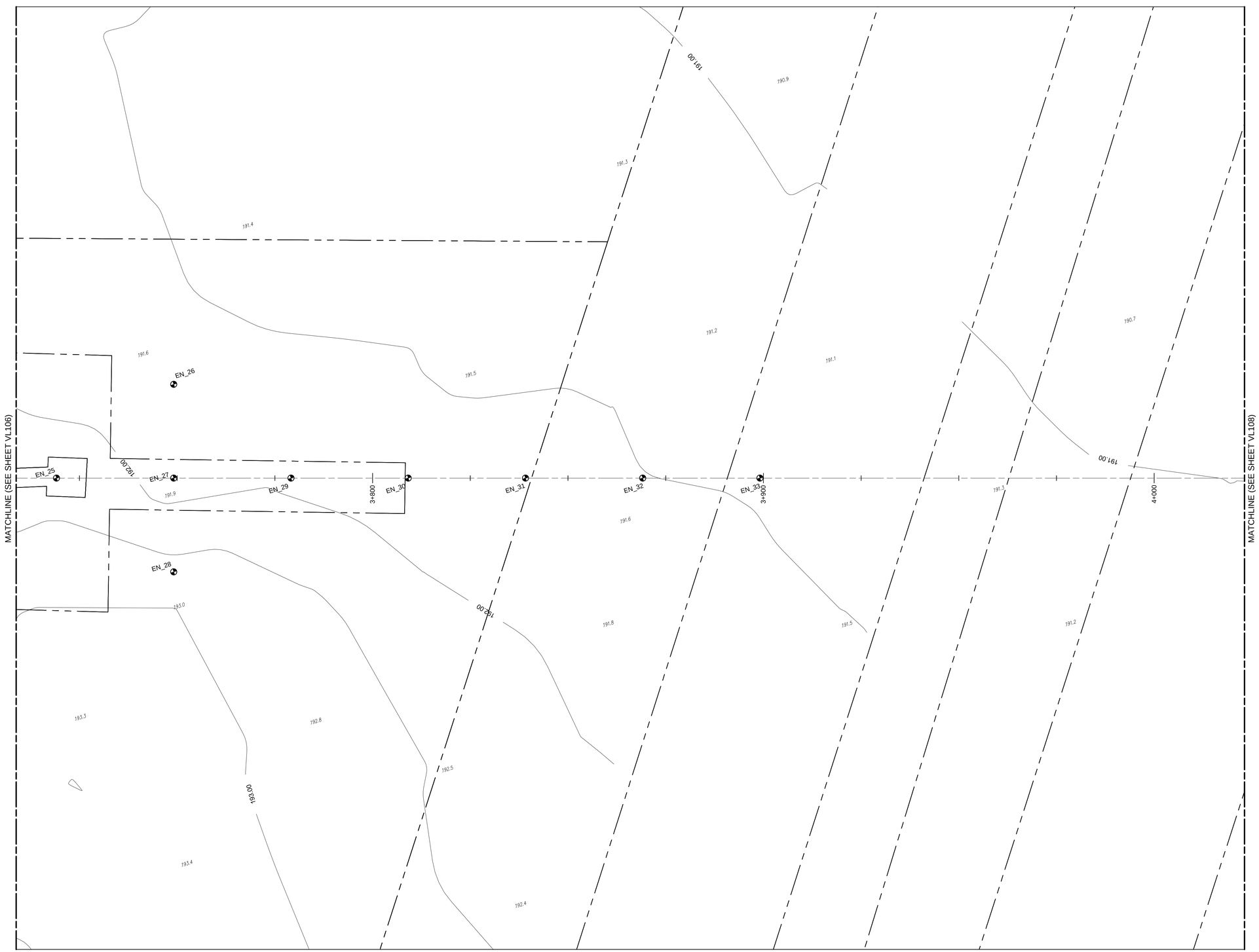

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VL120	VL121	VL122	VL123	VL124			
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VL115	VL116	VL117	VL118				
VL119							

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SCALE IN METERS

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SIZE: ANSI D

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WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAÈE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

TOPO SURVEY – USACE CAD STANDARD
MAPA WG STANDARDÓW AMERYKAŃSKICH

SHEET ID

VL107

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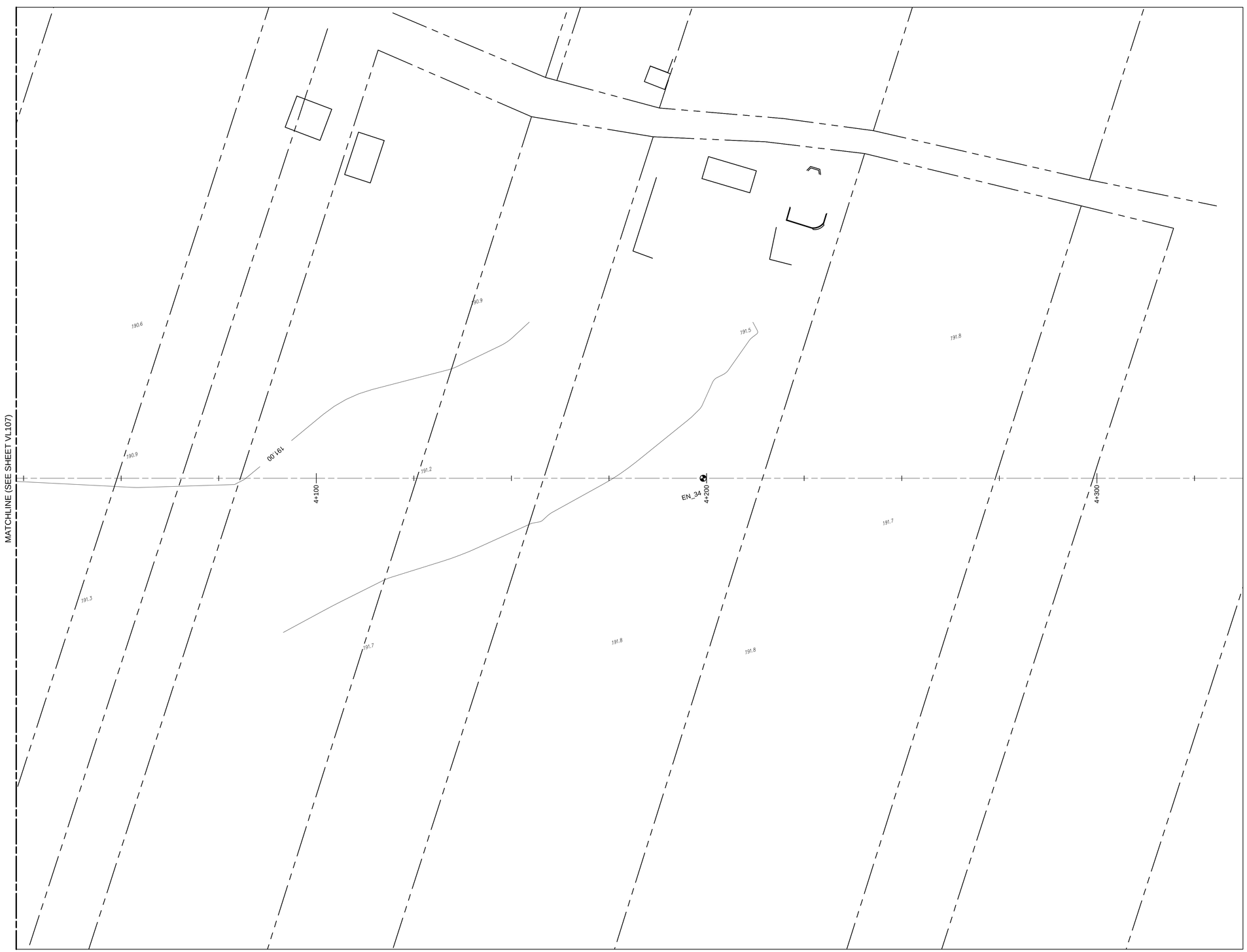

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VL120	VL121	VL122	VL123	VL124			
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VL109	VL110	VL111	VL112	VL113	VL114		
VL115	VL116	VL117	VL118				
VL119							

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ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

TOPO SURVEY – USACE CAD STANDARD
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SHEET ID

VL108

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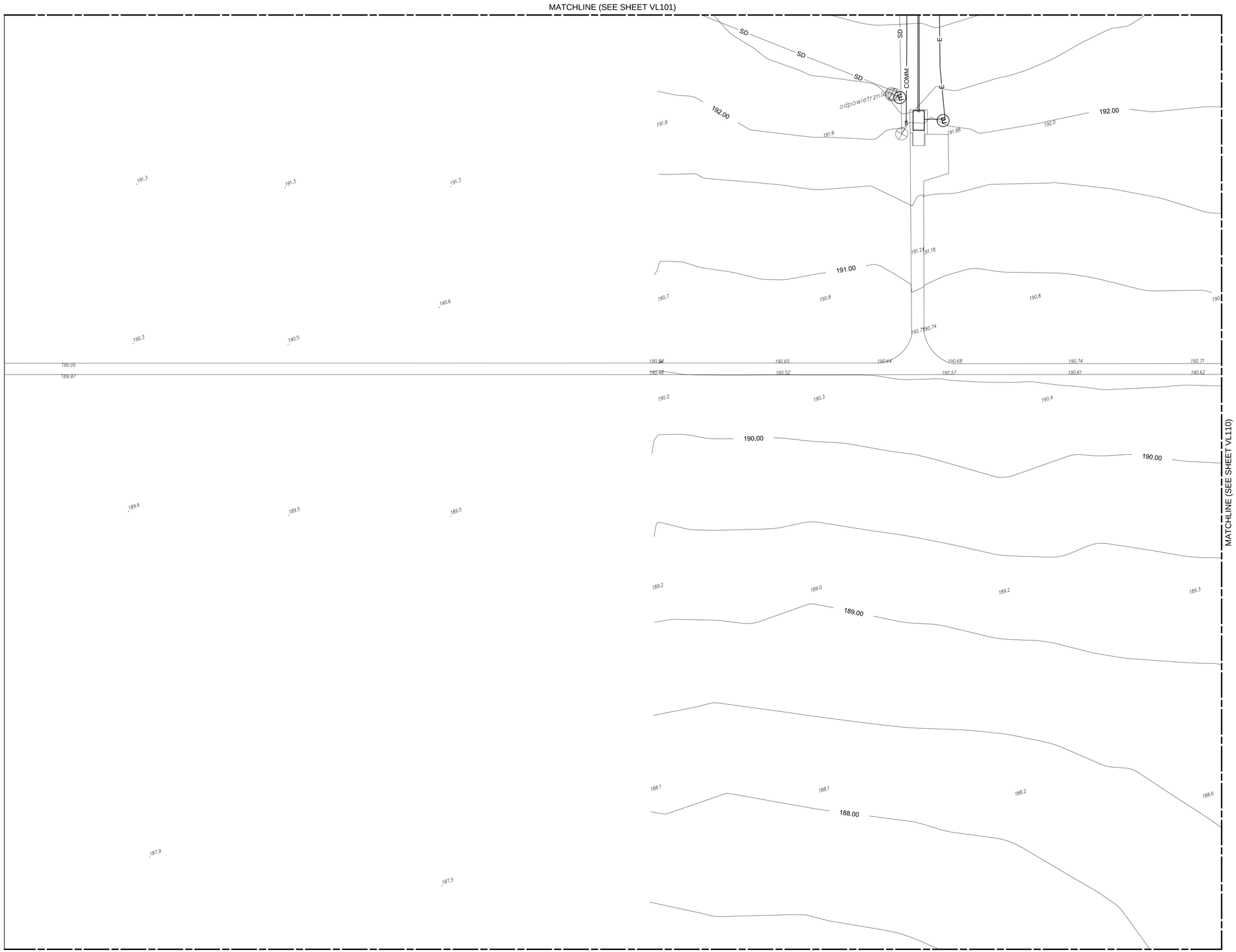

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VL119							

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ERI: IMPROVE SUPPORT INFRASTRUCTURE
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TOPO SURVEY – USACE CAD STANDARD
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SHEET ID
VL109

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3/2/2017 JACEK.GACZKOWSKI 1:500

100%

MATCHLINE (SEE SHEET VL102)

MATCHLINE (SEE SHEET VL109)

MATCHLINE (SEE SHEET VL111)

MATCHLINE (SEE SHEET VL116)

192.00

191.00

190.00

189.00

COMM

VL120	VL121	VL122	VL123	VL124			
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VL115	VL116	VL117	VL118				
VL119							

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SCALE IN METERS

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MARK	DESCRIPTION	DATE

ISSUE DATE: MARCH 2017
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PROJECT NO.: PAYZ15002A

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CHECKED BY: D. HUGHES
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WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAßE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

TOPO SURVEY – USACE CAD STANDARD
MAPA WG STANDARDÓW AMERYKAŃSKICH

SHEET ID

VL110

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3/2/2017 JACEK.GACZKOWSKI 1:500

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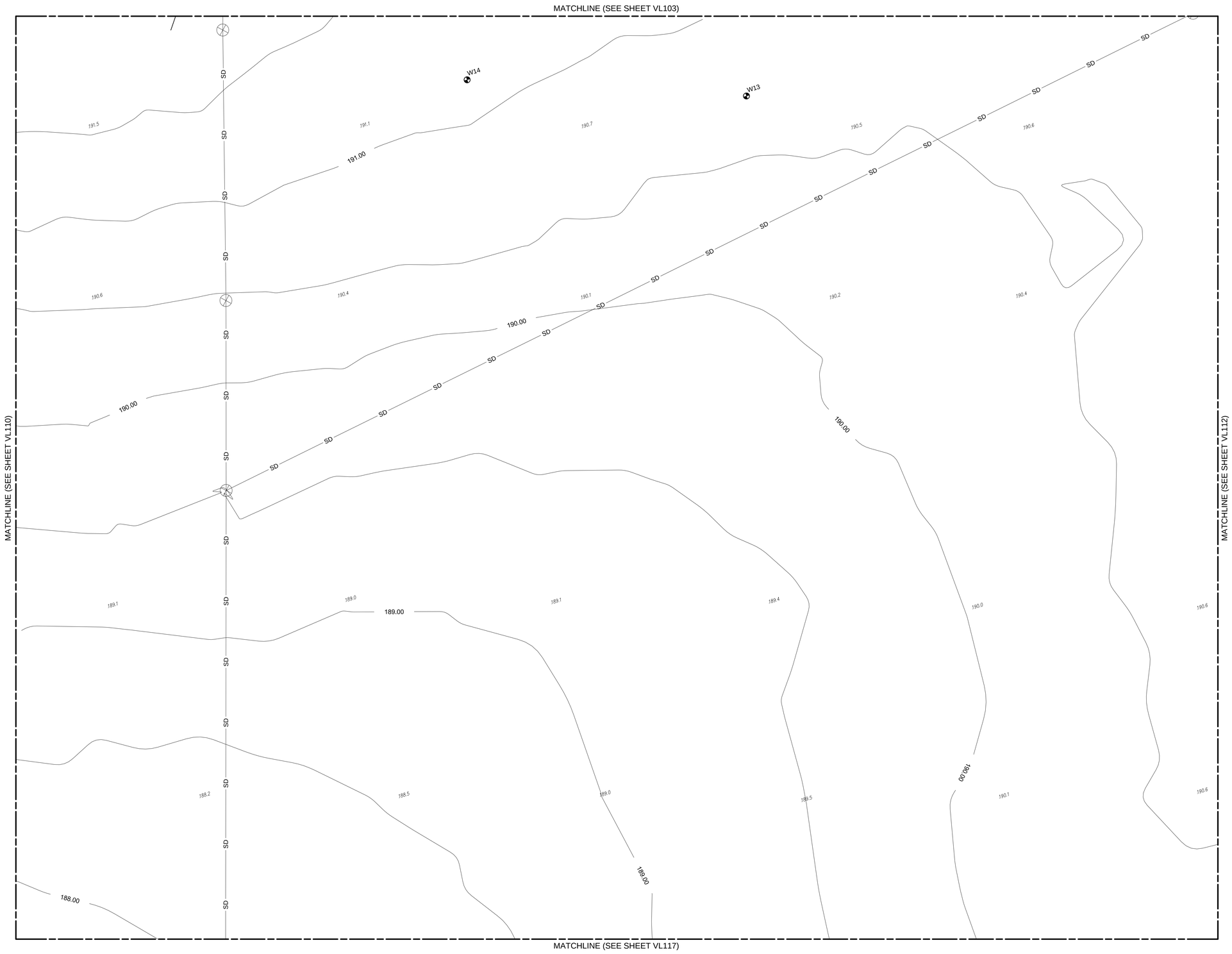

VL120	VL121	VL122	VL123	VL124			
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VL119							

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AECOM INTERNATIONAL, INC.
SIEMENSSTRAÈE 10
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ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

TOPO SURVEY – USACE CAD STANDARD
MAPA WG STANDARDÓW AMERYKAŃSKICH

SHEET ID
VL111

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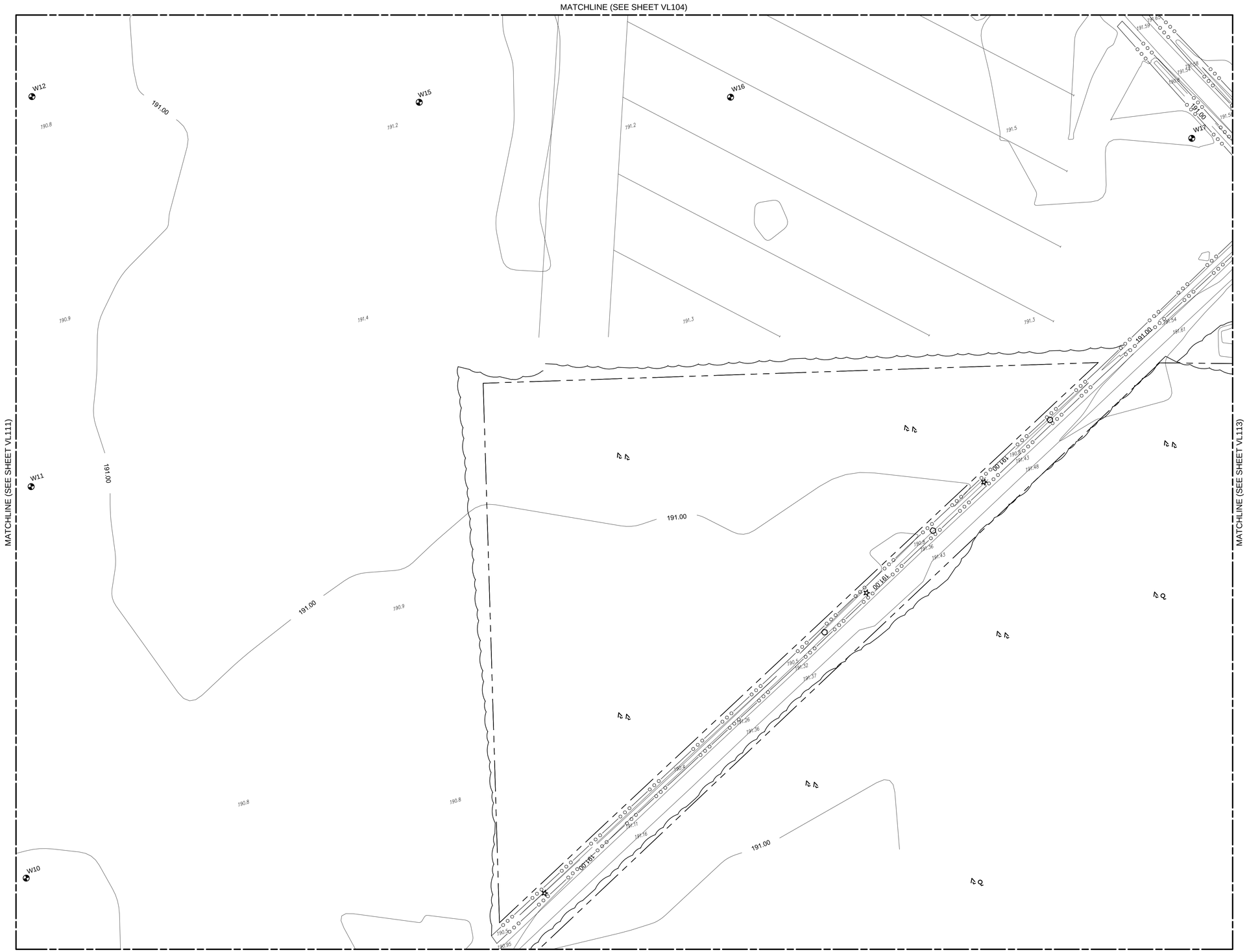

VL120	VL121	VL122	VL123	VL124			
VL101	VL102	VL103	VL104	VL105	VL106	VL107	VL108
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AECOM INTERNATIONAL, INC.
SIEMENSSTRAÈE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

TOPO SURVEY – USACE CAD STANDARD
MAPA WG STANDARDÓW AMERYKAŃSKICH

SHEET ID
VL112

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3/2/2017 JACEK.GACZKOWSKI 1:500

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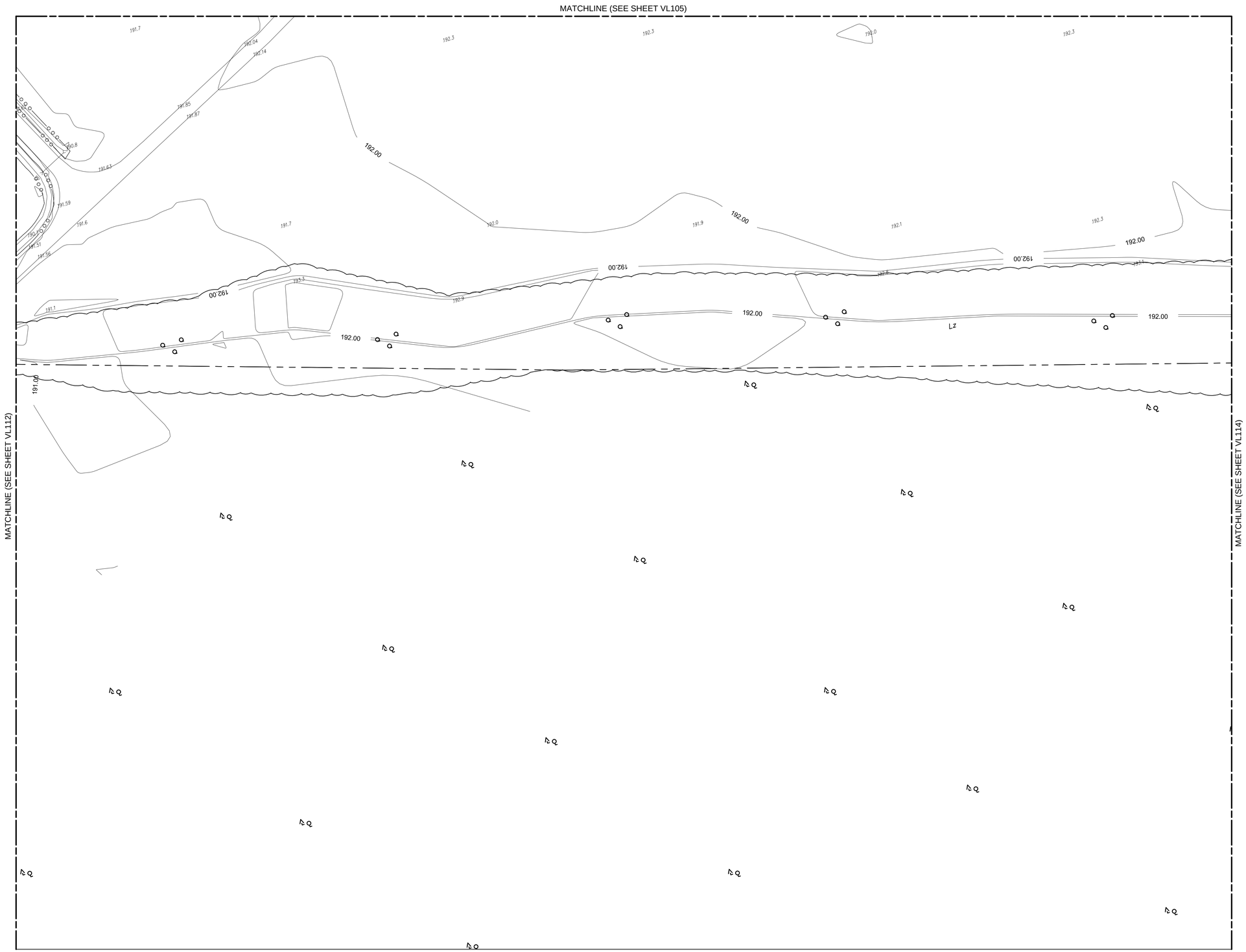

VL120	VL121	VL122	VL123	VL124			
VL101	VL102	VL103	VL104	VL105	VL106	VL107	VL108
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PROJECT NO.: PAY215002A

U.S. ARMY CORPS OF ENGINEERS
KONRAD ADENAUER RING 39
WIESBADEN, D-65187 / GERMANY

AECOM INTERNATIONAL, INC.
SIEMENSSTRAÈE 10
NEU-ISENBURG, 63263

ERI: IMPROVE SUPPORT INFRASTRUCTURE
ŁASK AB, POLAND

TOPO SURVEY – USACE CAD STANDARD
MAPA WG STANDARDÓW AMERYKAŃSKICH

SHEET ID
VL113

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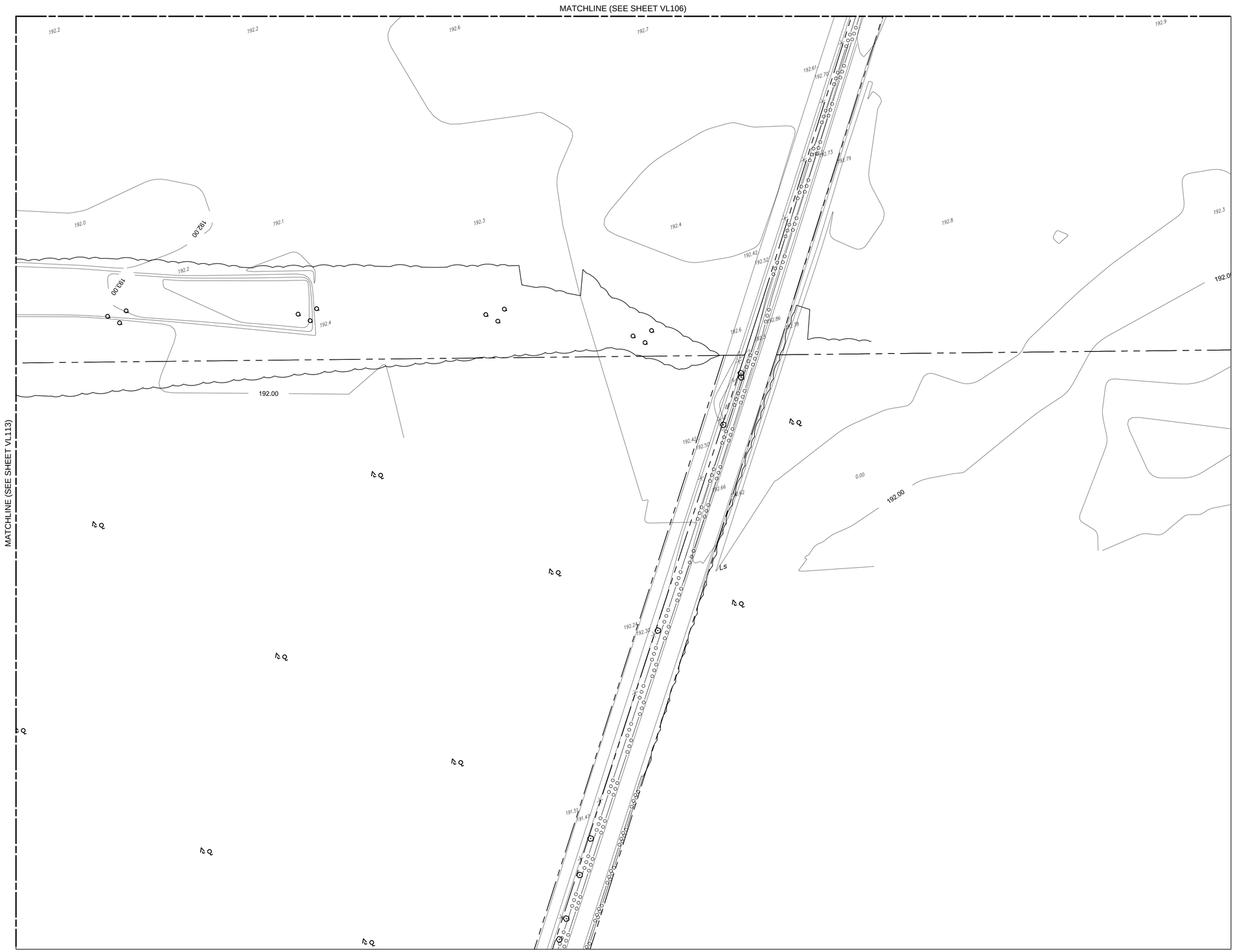

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VL109	VL110	VL111	VL112	VL113	VL114		
VL115	VL116	VL117	VL118				
VL119							

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SCALE IN METERS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: A. WIECZOREK
DRAWN BY: J. GACZKOWSKI
CHECKED BY: D. HUGHES
SUBMITTED BY: D. DIEHL
SIZE: ANSI D
ISSUE DATE: MARCH 2017
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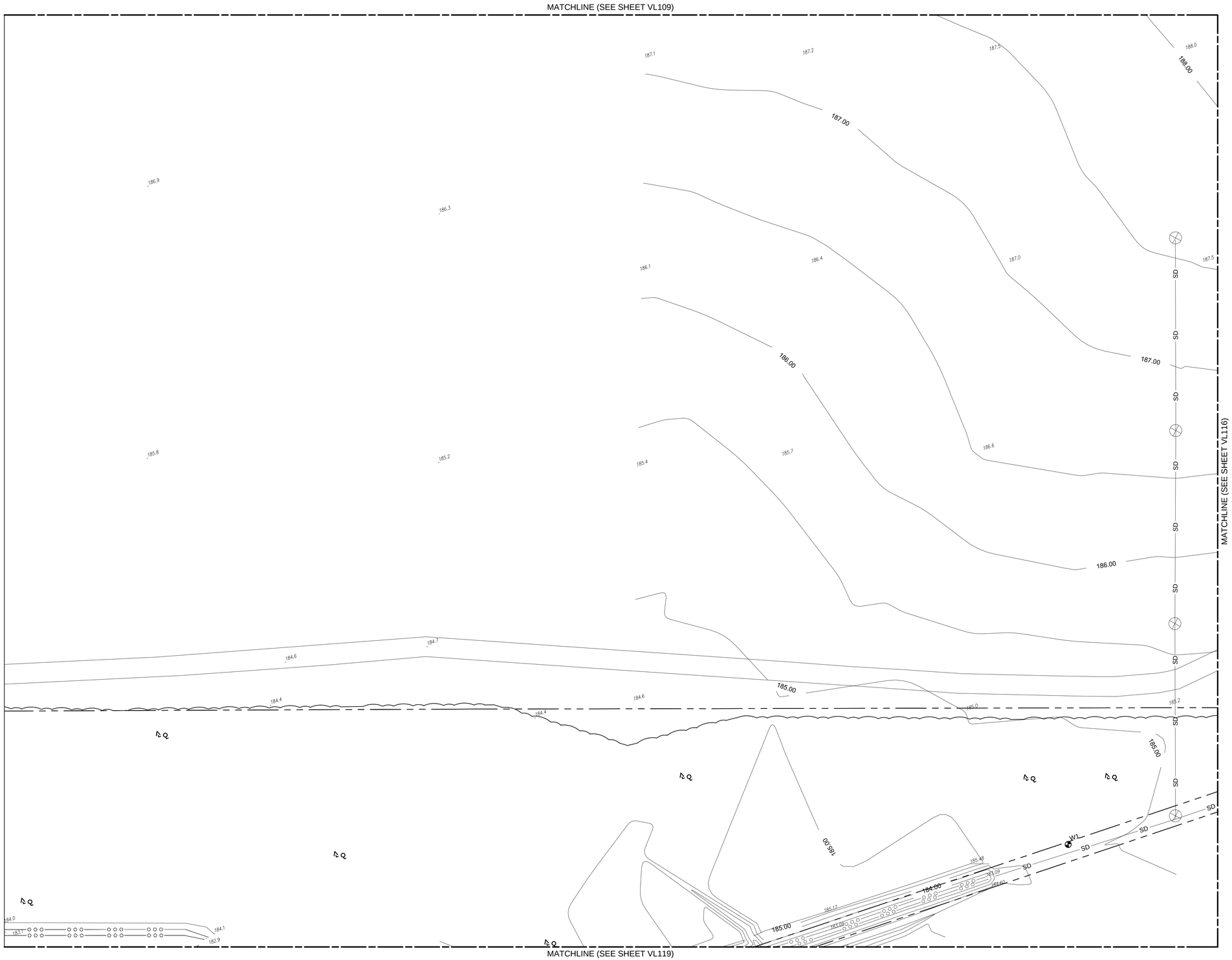

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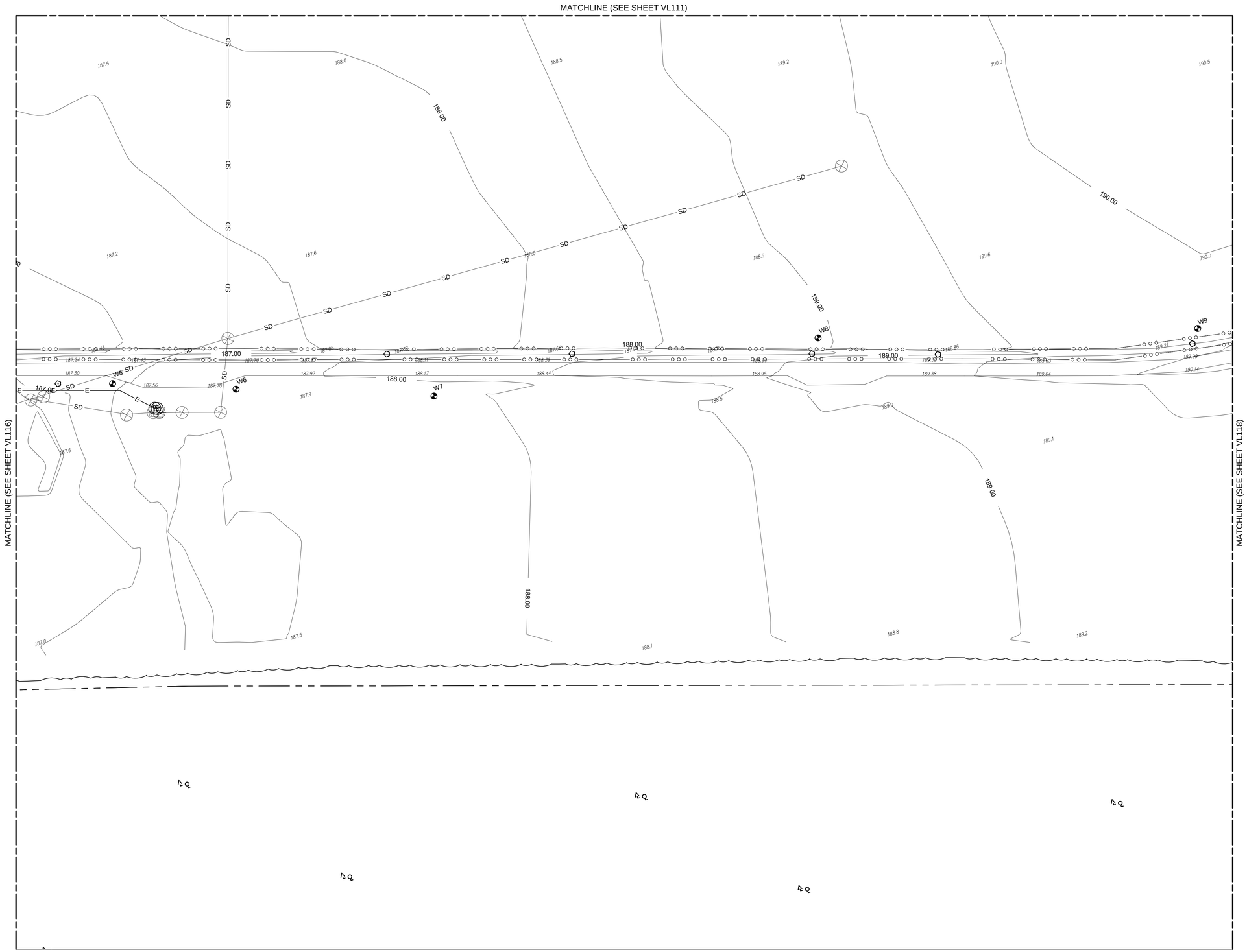

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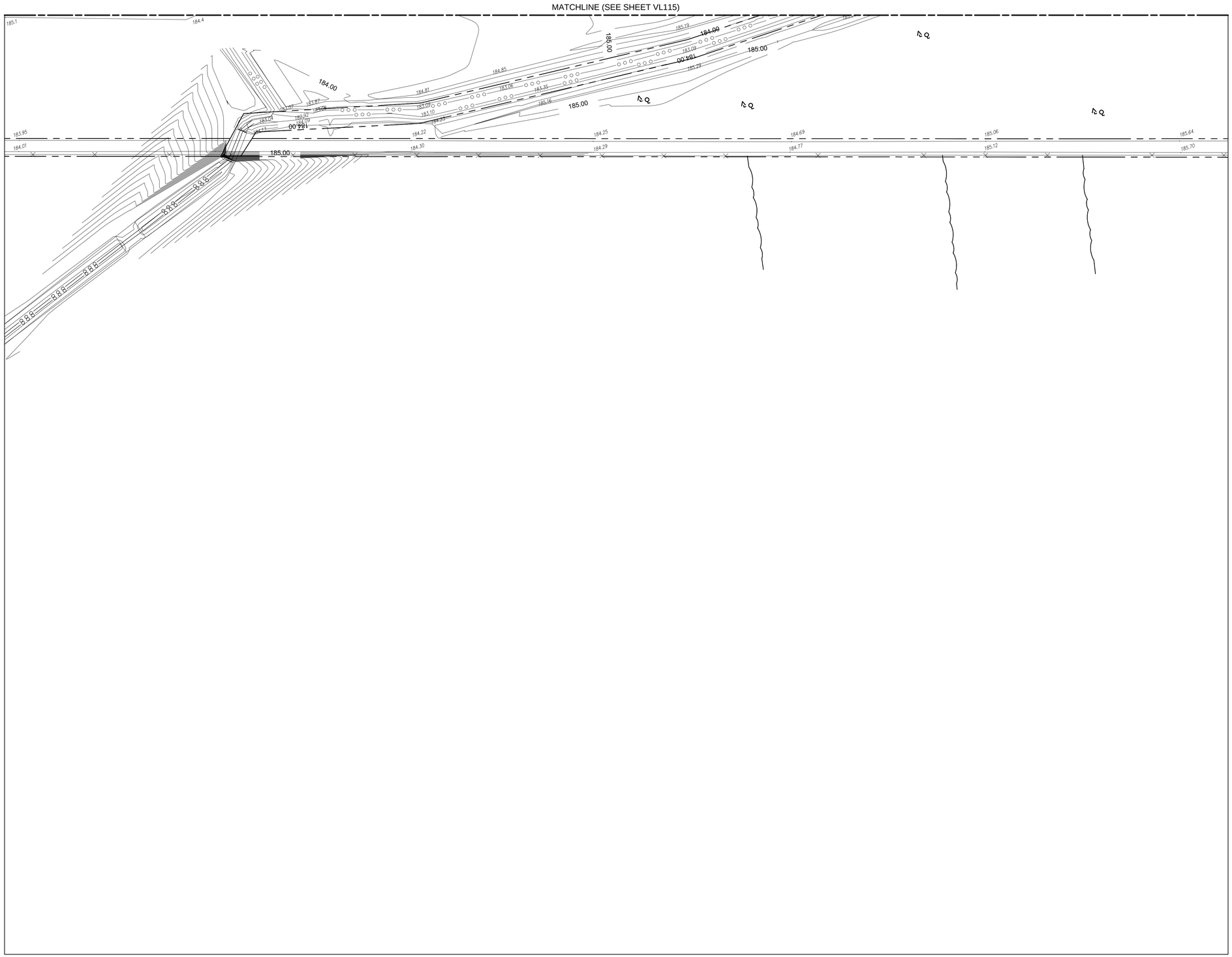
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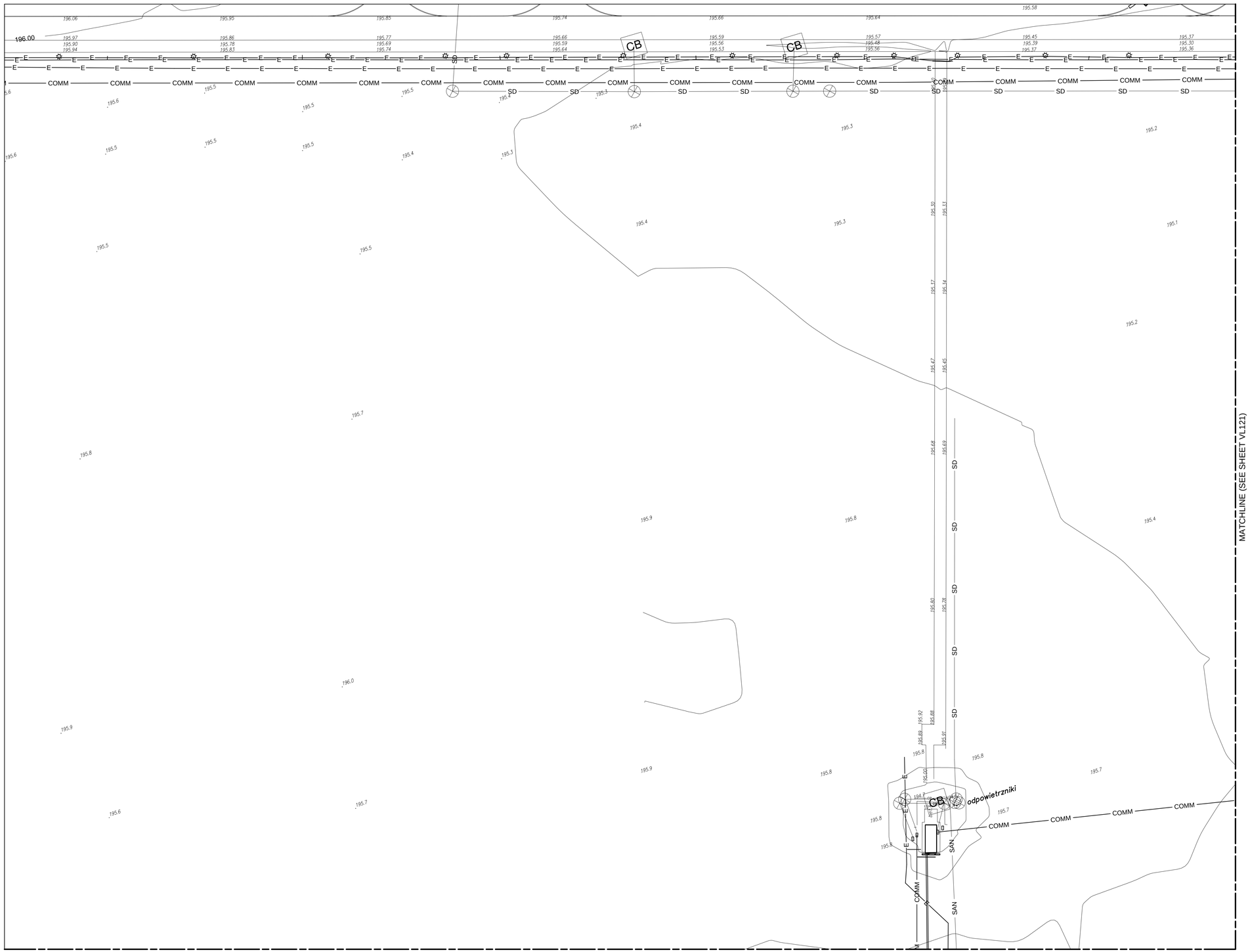

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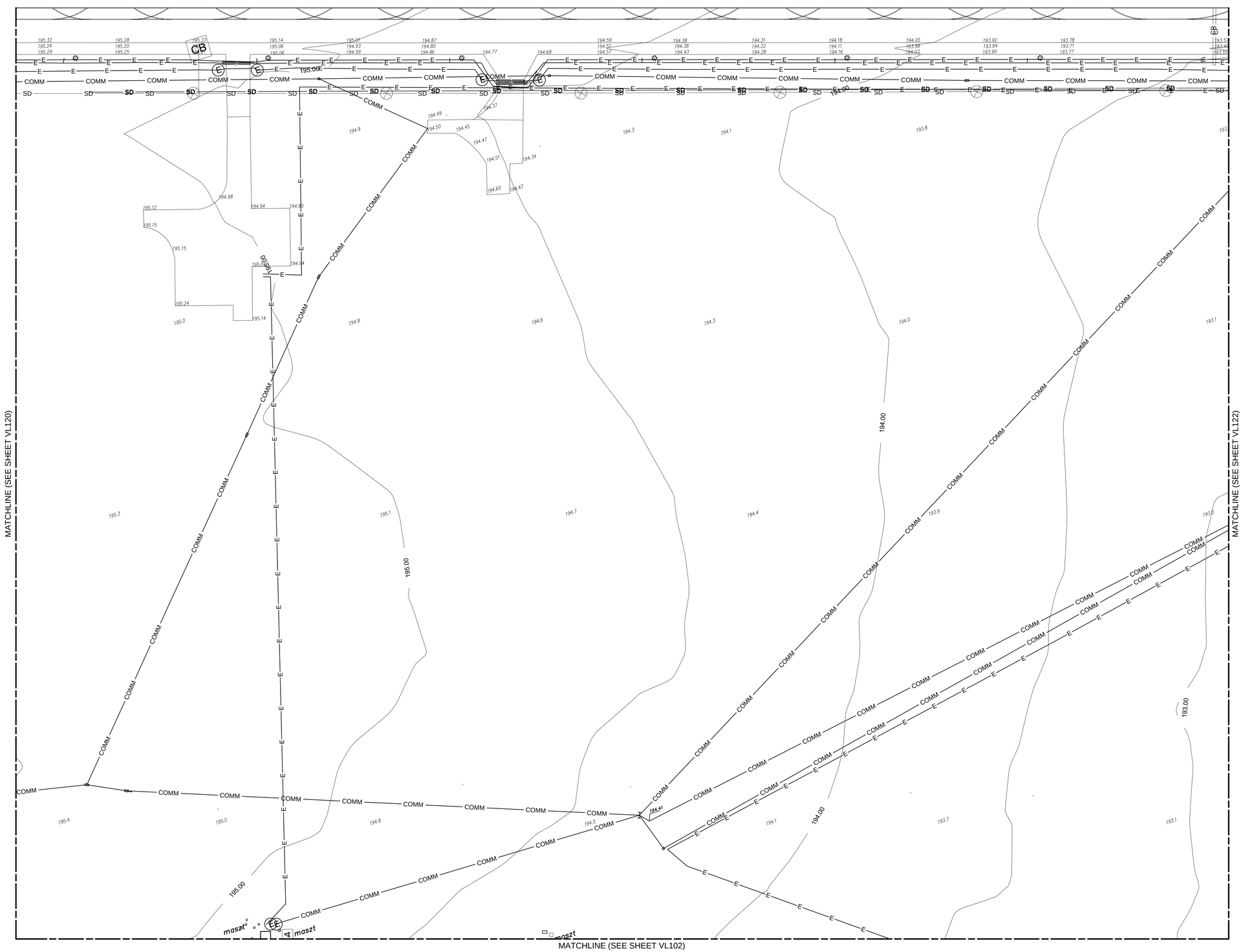

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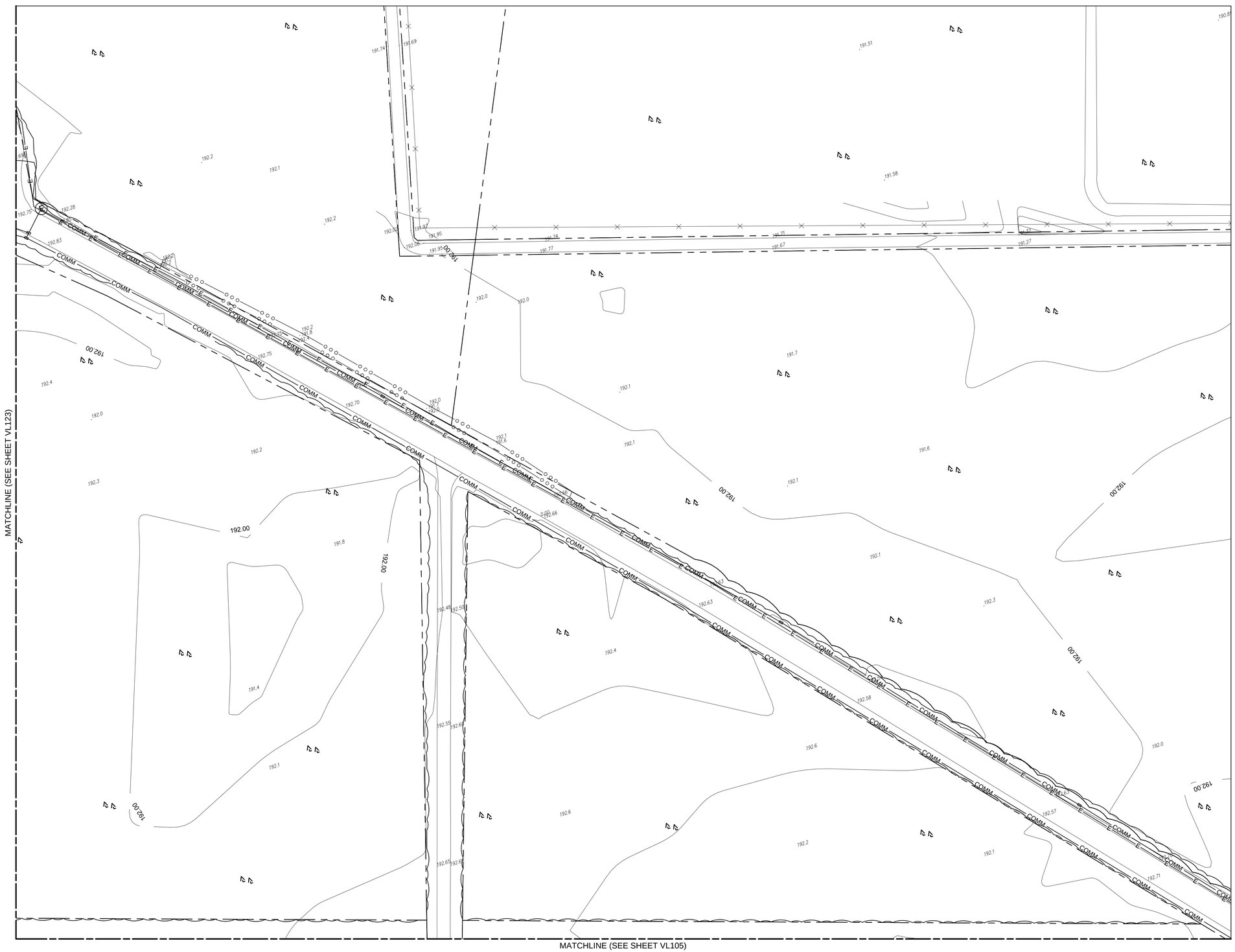

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