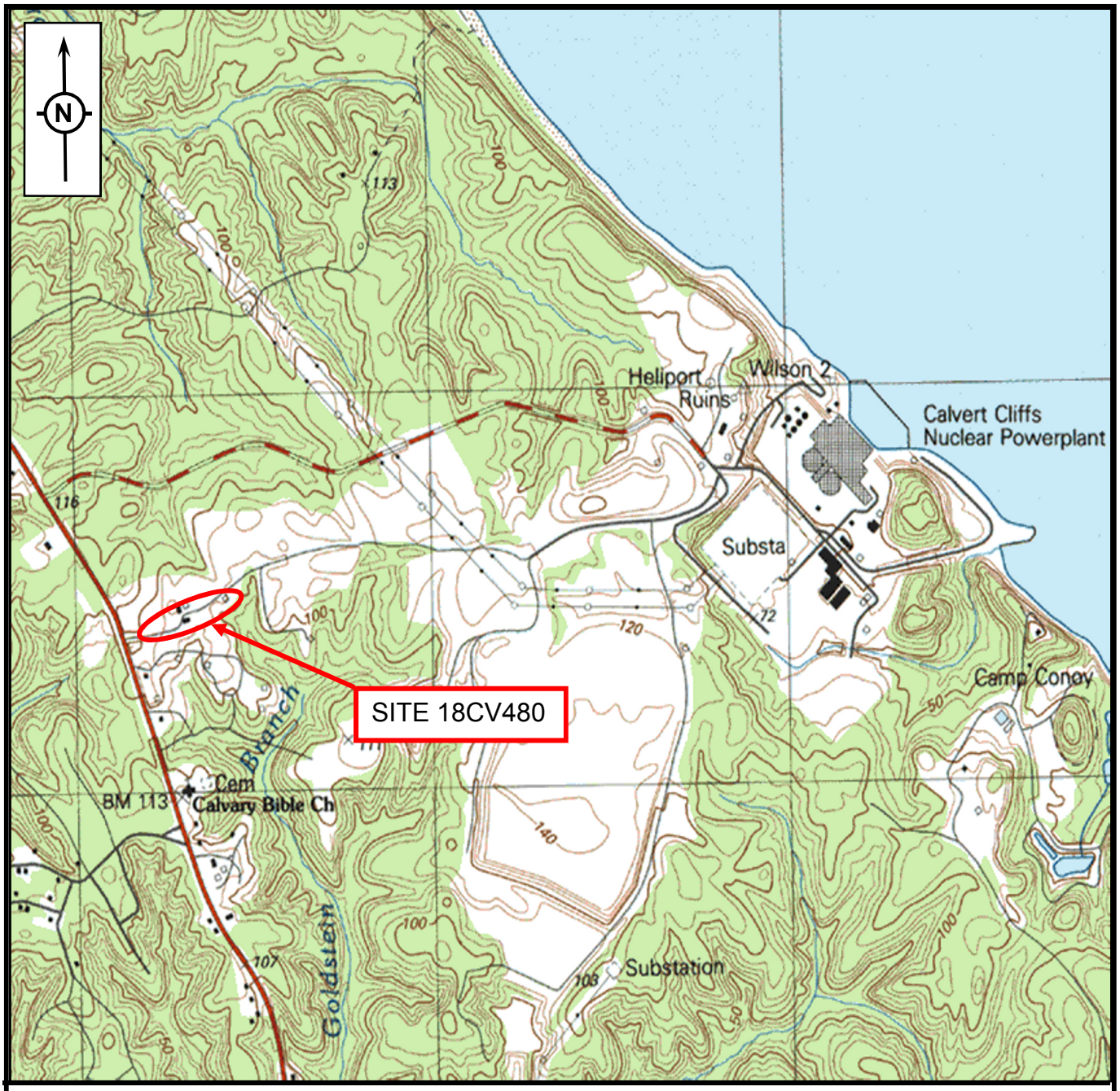

SOURCE: 1987 USGS 7.5-MINUTE COVE POINT, MD

Scale

0 1000 2000 ft

gai consultants

FIGURE 15-1
SITE 18CV480 LOCATION

CALVERT CLIFFS NUCLEAR POWER PLANT
CALVERT COUNTY, MARYLAND

DWN TJN	CHKD BAM
APPD. BAM	DATE 3/7/07
SCALE	AS NOTED
DRAWING NUMBER	C080212.00

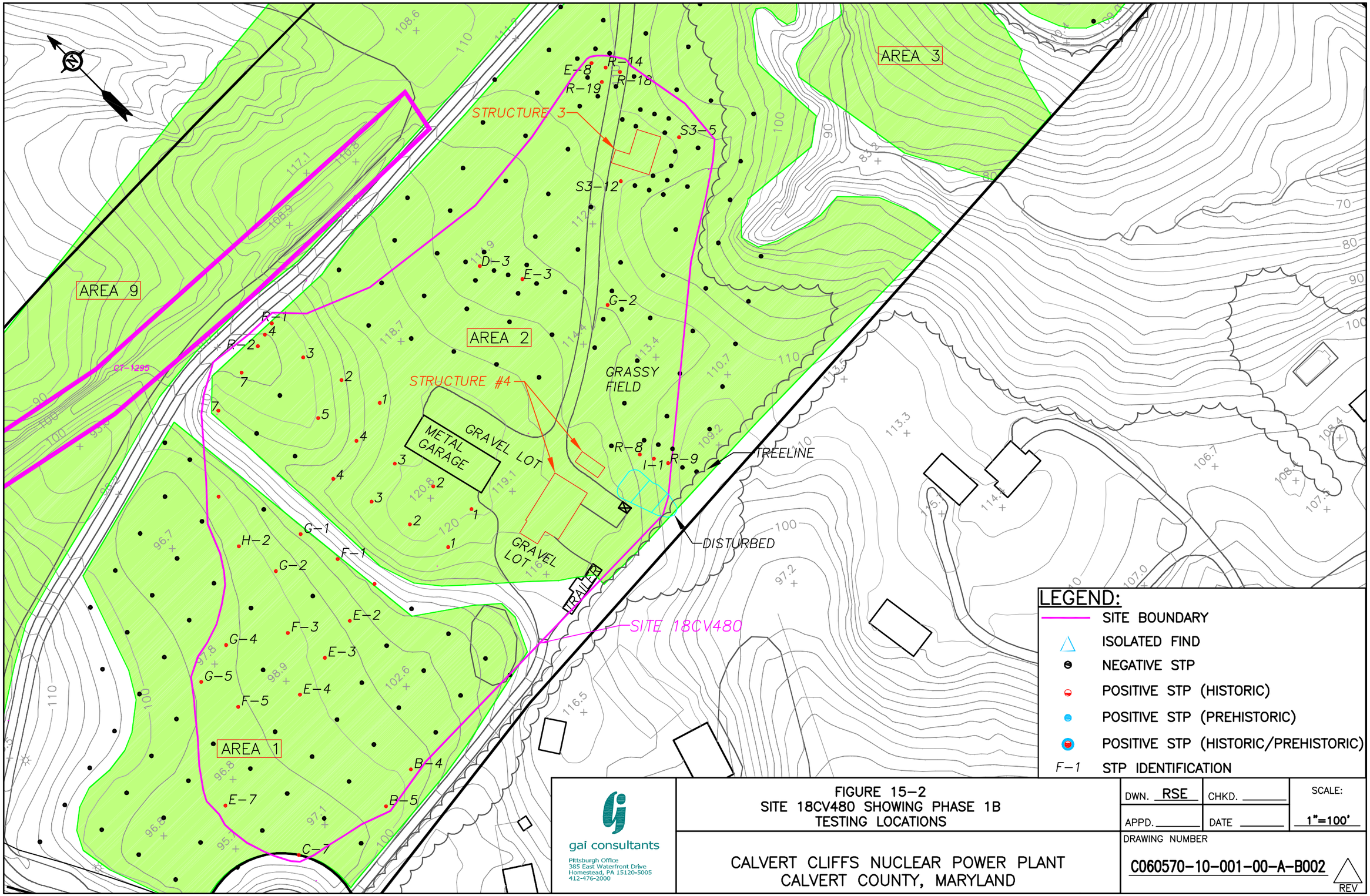

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FIGURE 15-2
SITE 18CV480 SHOWING PHASE 1B
TESTING LOCATIONS

DWN. RSE | CHKD. _____ | SCALE: 1"=100'
APPD. _____ | DATE _____

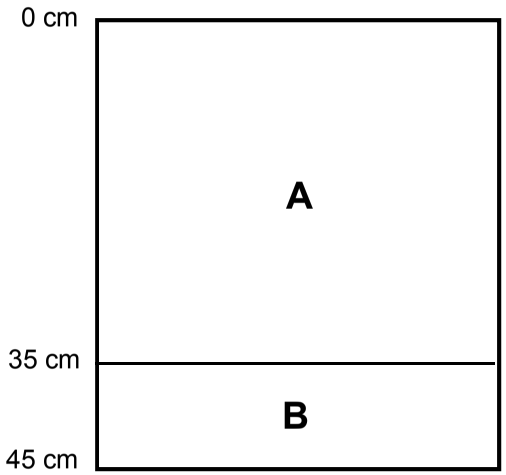
CALVERT CLIFFS NUCLEAR POWER PLANT
CALVERT COUNTY, MARYLAND

DRAWING NUMBER
C060570-10-001-00-A-B002
REV

PLOTTER FILE: _____

GAI CAD FILE: C060570-10-001-00-A-B002.Dwg 02/07/07

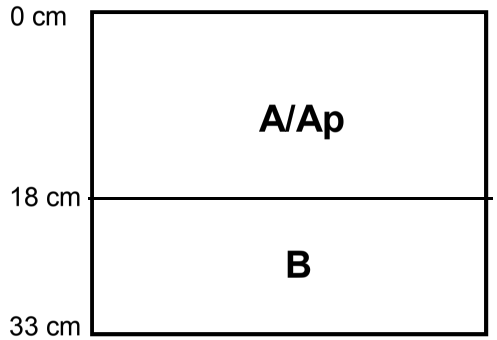
STP D3



A – Brown (10YR5/3) silt loam

B – Strong brown (7.5YR5/6) silty clay

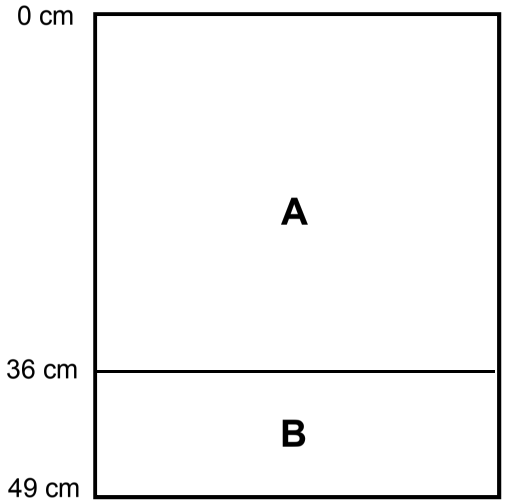
STP N3



A/Ap – Dark yellowish brown (10YR 4/4) sandy loam

B – Yellowish brown (10YR 5/4) sandy clay

STP F6



A – Yellowish brown (10YR5/4) sandy loam

B – Yellowish brown (10YR5/8) sandy clay

Meter Scale

0 0.2 0.4

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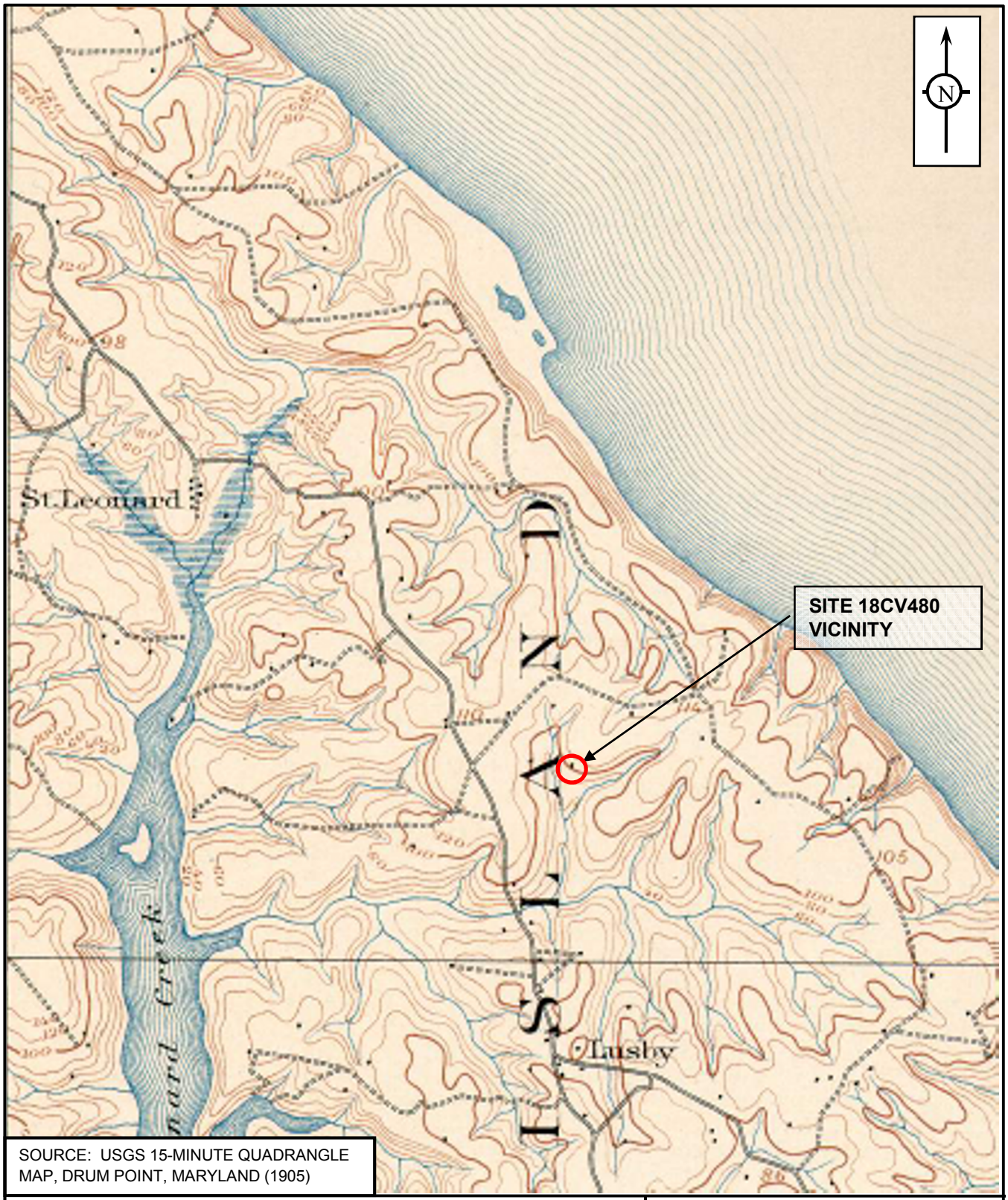
DWN SJS	**CHKD** BAM		**FIGURE 15-3. 18CV480: REPRESENTATIVE PHASE Ib SHOVEL TEST PROFILE (STPs D3, N3 and F6)**
APPD. BAM	**DATE** 2/20/07		
SCALE As noted			**CALVERT CLIFFS NUCLEAR POWER PLANT**
DRAWING NUMBER *C060570.10.009*			**CALVERT COUNTY, MARYLAND**



SOURCE: USGS 15-MINUTE QUADRANGLE MAP, DRUM POINT, MARYLAND (1905)

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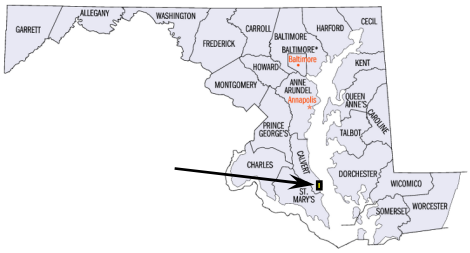

FIGURE 15-4

SITE 18CV480 AND VICINITY IN 1905

CALVERT CLIFFS NUCLEAR POWER PLANT CALVERT COUNTY, MD

SOURCE: LOC, CHESAPEAKE BAY, SHEET 3 (1861-2)

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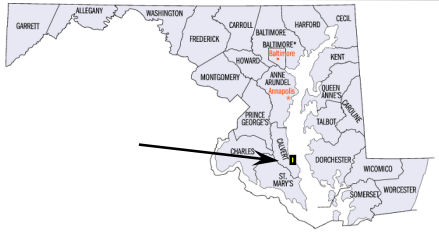


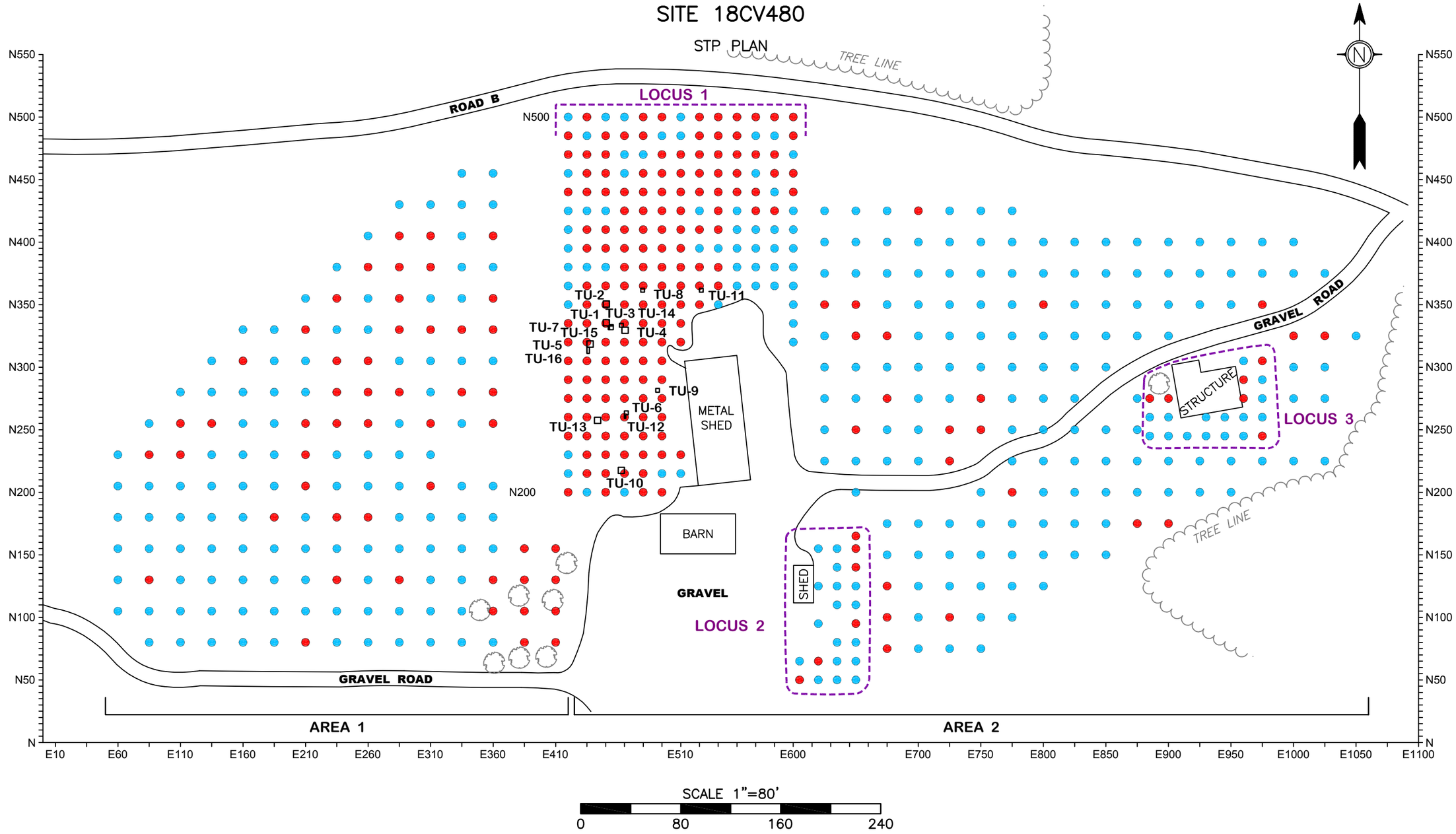
FIGURE 15-5

SITE 18CV480 AND VICINITY IN 1862

CALVERT CLIFFS NUCLEAR POWER PLANT
CALVERT COUNTY, MD

SITE 18CV480

STP PLAN



LEGEND

- TEST UNIT–(TU)
- SHOVEL TEST PIT (STP)–NEGATIVE
- SHOVEL TEST PIT (STP)–POSITIVE (HISTORIC)
- SITE BOUNDARY
- TREE

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FIGURE 15–6

SITE 18CV480
SITE MAP
PLAN VIEW

CALVERT CLIFFS NUCLEAR POWER PLANT
CALVERT COUNTY, MARYLAND

DWN. JL	CHKD. –	SCALE:
APPD. –	DATE 7/28/08	1"=80'

DRAWING NUMBER

C080212-00-000-00-C-B000

REV –

PLOTTER FILE: ENV COLOR

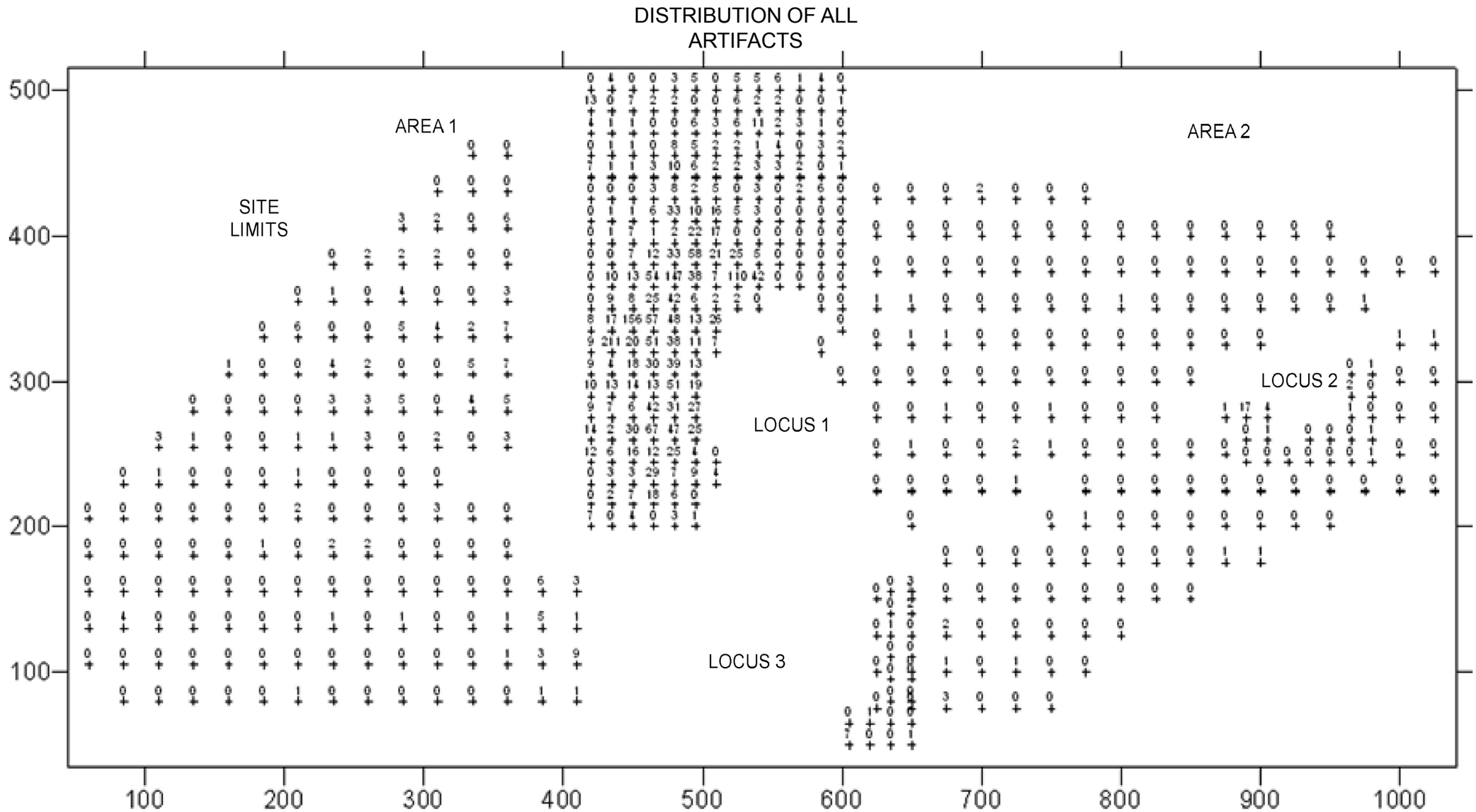

FIGURE 15-7: SITE 18CV480, DISTRIBUTION OF ALL ARTIFACTS

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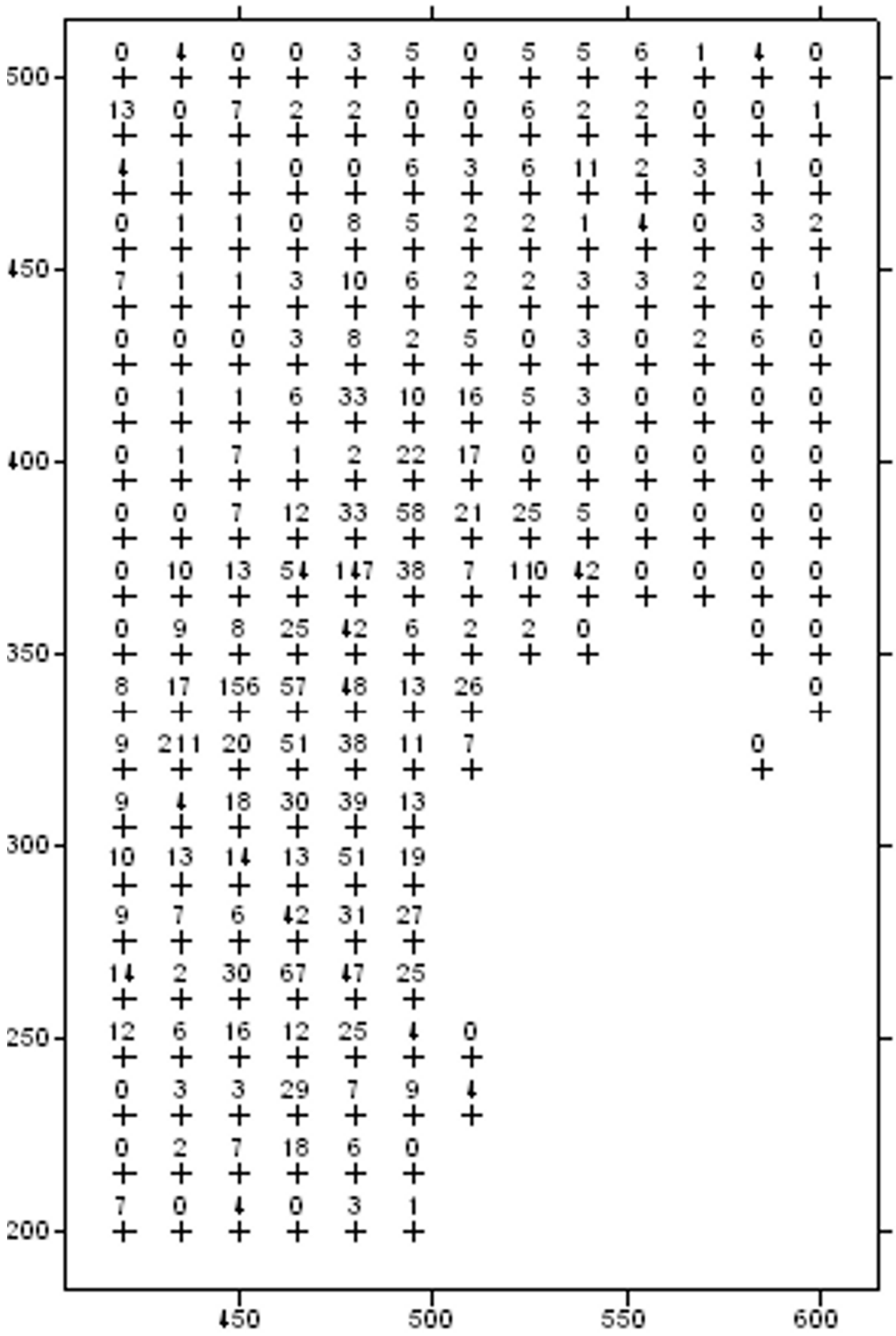
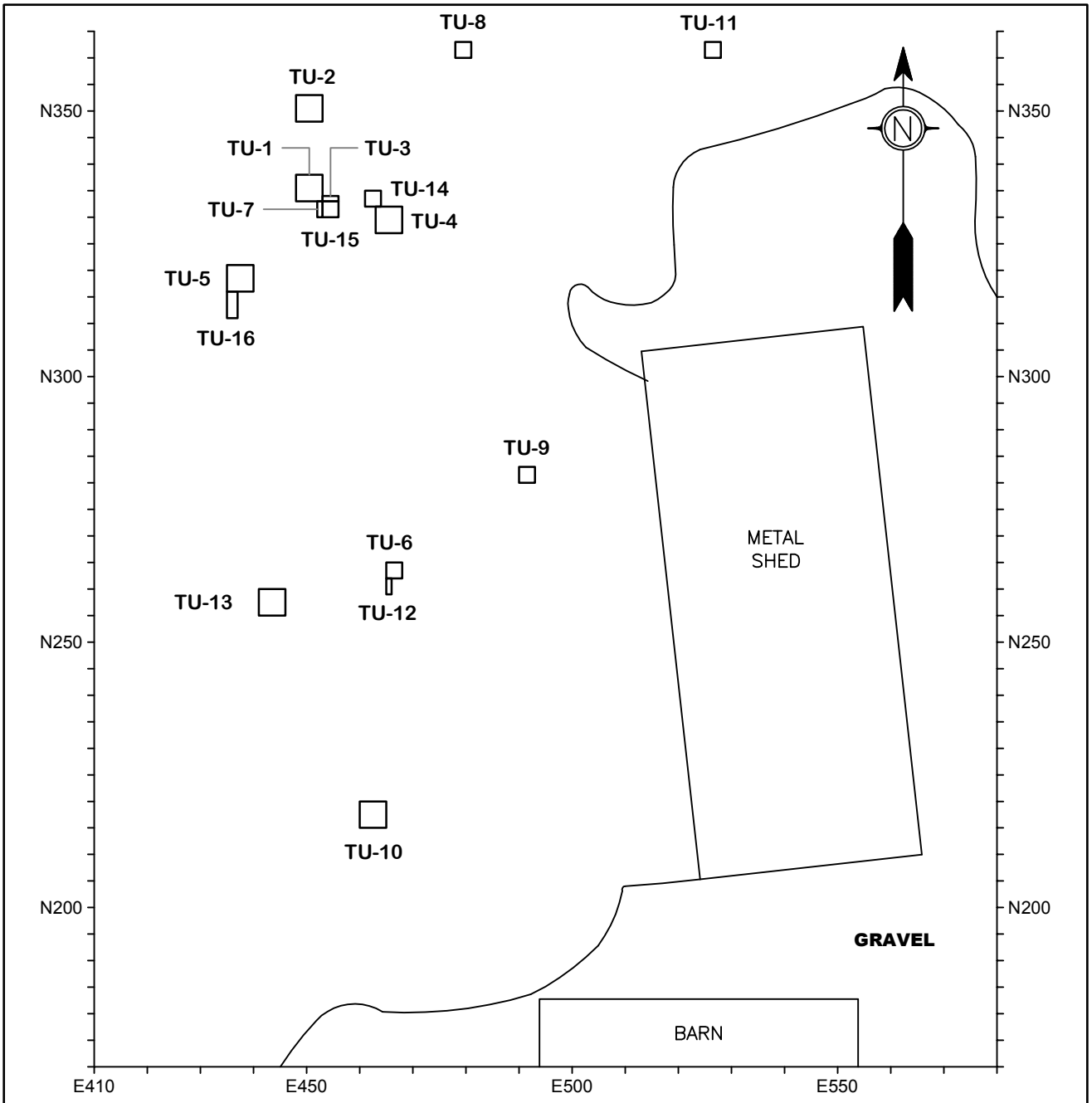
DWN SJS	CHKD BES
APPD.	DATE 7-28-08
SCALE	As noted
DRAWING NUMBER	2004-177-10-01

CALVERT CLIFFS NUCLEAR POWER PLANT
CALVERT COUNTY, MARYLAND

18CV480 DISTRIBUTION OF ALL ARTIFACTS
LOCUS I



gai consultants	FIGURE 15-8: 18CV480 DISTRIBUTION OF ALL ARTIFACTS IN LOCUS I	DWN SJS CHKD LF
		APPD. DATE 6/15/07
	CALVERT CLIFFS NUCLEAR POWER PLANT CALVERT COUNTY, MARYLAND	SCALE As noted
		DRAWING NUMBER C0



SITE 18CV480
SITE PLAN

LEGEND

□ TEST UNIT (TU)

SCALE 1"=30'

0 30 60 90

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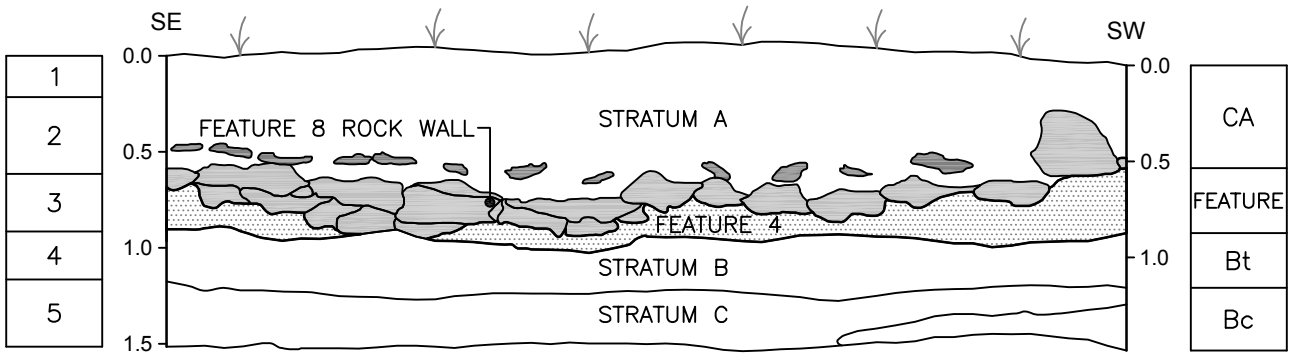
FIGURE 15–9	DWN. JL	CHKD. –	SCALE:
SITE 18CV480 TEST UNITS IN LOCUS 1	APPD. –	DATE 7/28/08	1"=30'
	DRAWING NUMBER		
CALVERT CLIFFS NUCLEAR POWER PLANT CALVERT COUNTY, MARYLAND	C080212-00-000-00-C-A000		– REV

GAI CAD FILE: P:\PIT\2008\C080212.00\Cadd\Dwg\Worksheet\Worksheet-Plans Profiles\Worksheet-Stp Plan A-size-18Cv480.dwg 7/28/2008

SITE 18CV480

TEST UNIT 1

SOUTH PROFILE



SCALE 1"=1'

0 1 2 3

STRATUM A = (10YR 4/2) DARK GRAYISH BROWN, LOAM
FEATURE 4 = (7.5YR 3/2) DARK BROWN, SILT LOAM
STRATUM B = (5YR 4/4) REDDISH BROWN, SANDY CLAY LOAM
STRATUM C = (7.5YR 4/4) BROWN, SANDY LOAM

LEGEND

GROUND SURFACE
SHELL
ROCK
FEATURE

gai consultants

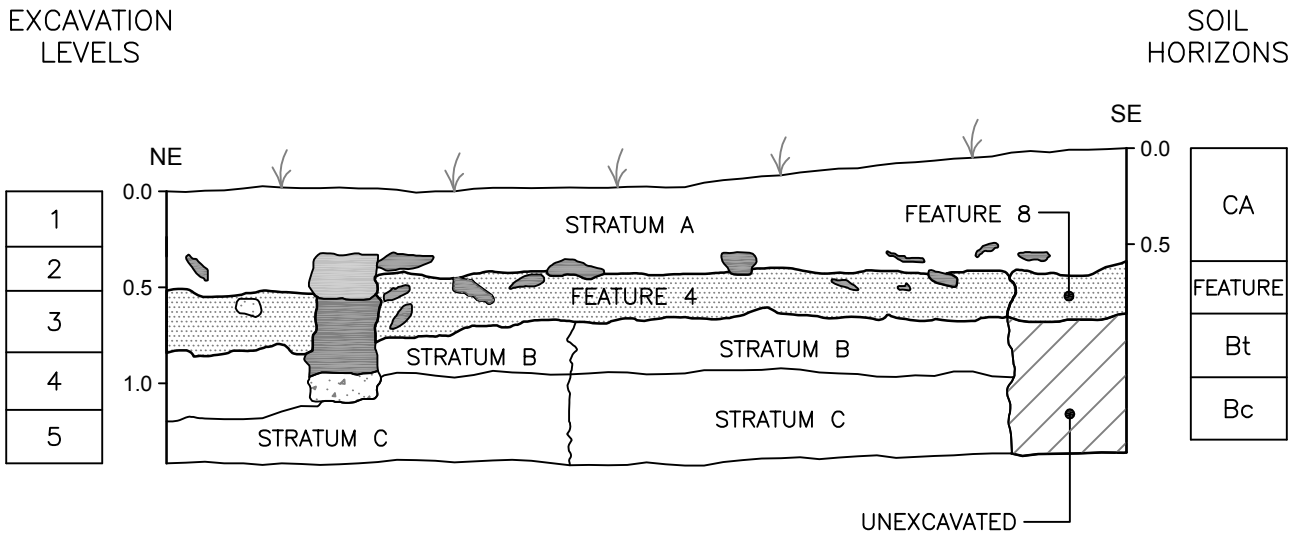
FIGURE 15-11	DWN. IP	CHKD. —	SCALE:
SITE 18CV480 TEST UNIT 1 SOUTH PROFILE	APPD. —	DATE 7/28/08	1"=1'
CALVERT CLIFFS NUCLEAR POWER PLANT CALVERT COUNTY, MARYLAND	DRAWING NUMBER C080212-00-000-00-C-A000		— REV

GAI CAD FILE: P:\PIT\2008\C080212.00\Cadd\Dwg\Worksheet\Worksheet-Plans Profiles\Worksheet-Test Units-01.dwg 7/28/2008

SITE 18CV480

TEST UNIT 1

EAST PROFILE



SCALE 1"=1'

0 1 2 3

STRATUM A = (10YR 4/2) DARK GRAYISH BROWN, LOAM
FEATURE 4 = (7.5YR 3/2) DARK BROWN, SILT LOAM
STRATUM B = (5YR 4/4) REDDISH BROWN, SANDY CLAY LOAM
STRATUM C = (7.5YR 4/4) BROWN, SANDY LOAM

LEGEND

GROUND SURFACE
ROCK
SHELL
MORTAR
FEATURE

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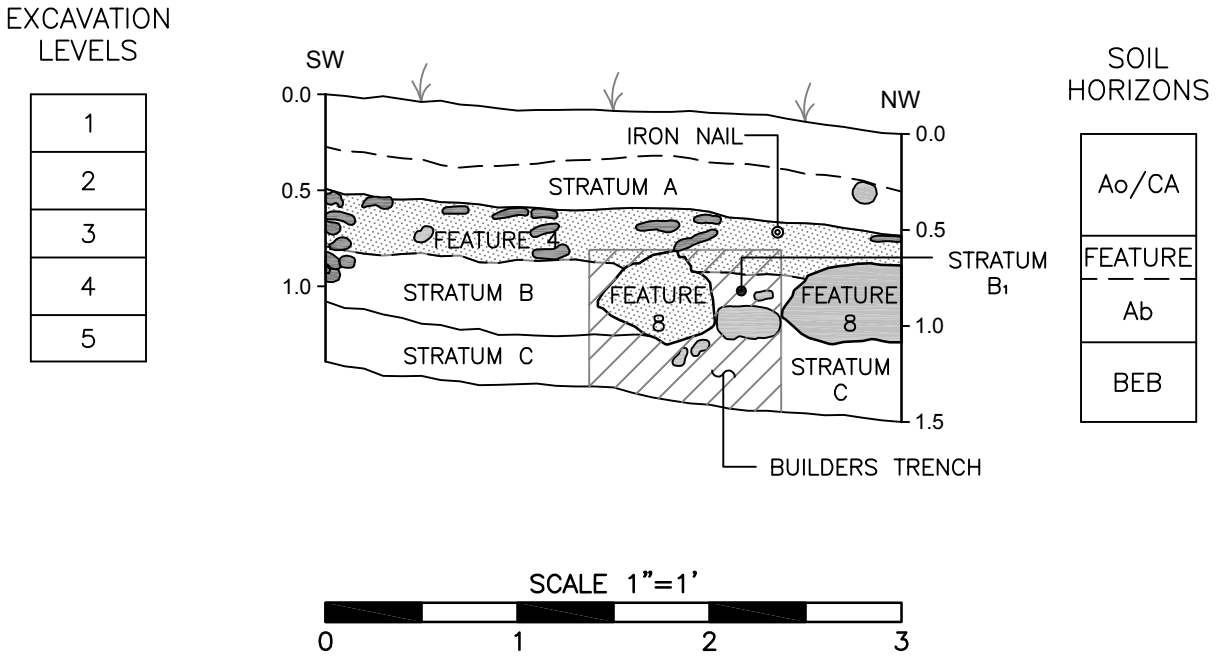
FIGURE 15-12	DWN. IP	CHKD. —	SCALE:
SITE 18CV480 TEST UNIT 1 EAST PROFILE	APPD. —	DATE 7/28/08	1"=1'
CALVERT CLIFFS NUCLEAR POWER PLANT CALVERT COUNTY, MARYLAND	DRAWING NUMBER C080212-00-000-00-C-A000		— REV

GAI CAD FILE: P:\PIT\2008\C080212.00\Cadd\Dwg\Worksheet\Worksheet-Plans Profiles\Worksheet-Test Units-01.dwg 7/28/2008

SITE 18CV480

TEST UNIT 7

WEST PROFILE



STRATUM A = (10YR 4/1) DARK GRAY, SILT LOAM

FEATURE 4 = (10YR 3/2) VERY DARK GRAYISH BROWN AND (10YR 3/1) VERY DARK GRAY, LOAM WITH OYSTER SHELL ALONG TOP AND BOTTOM

STRATUM B = (10YR 3/2) VERY DARK GRAYISH BROWN AND (10YR 3/1) VERY DARK GRAY MOTTLED WITH (10YR 4/4) YELLOWISH BROWN, LOAM

STRATUM C = (7.5YR 4/4) BROWN MOTTLED WITH (7.5YR 3/2) DARK BROWN, LOAM

LEGEND

GROUND SURFACE

ROCK

SHELL

FEATURE

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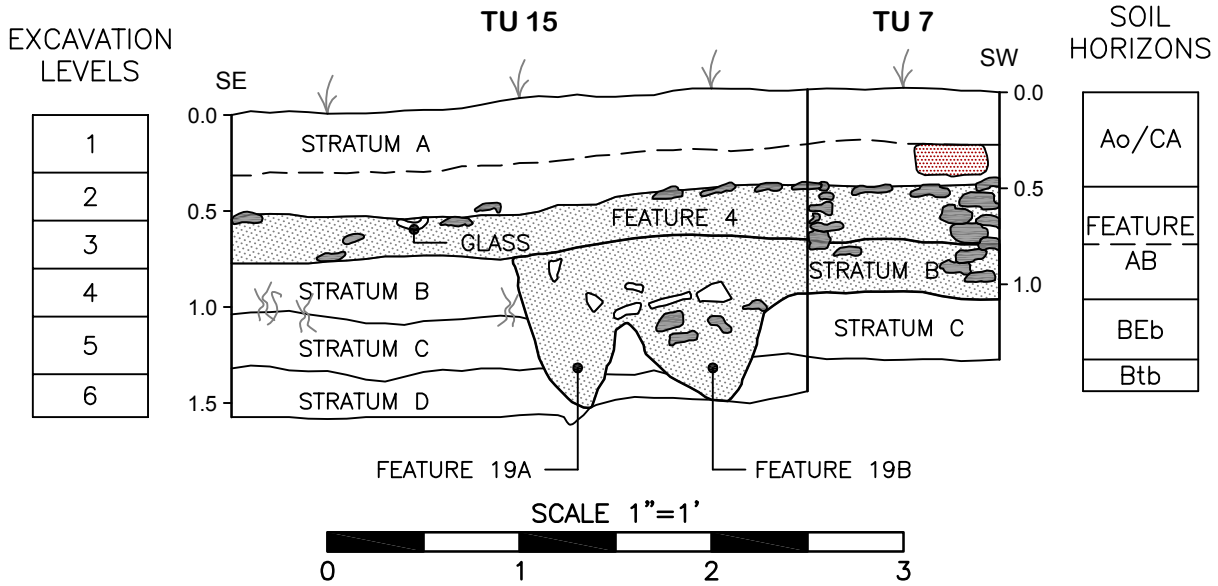
FIGURE 15-13	DWN. JL	CHKD. —	SCALE:
SITE 18CV480 TEST UNIT 7 WEST PROFILE	APPD. —	DATE 7/28/08	1"=1'
CALVERT CLIFFS NUCLEAR POWER PLANT CALVERT COUNTY, MARYLAND	DRAWING NUMBER C080212-00-000-00-C-A000		— REV

GAI CAD FILE: P:\PIT\2008\C080212.00\Cadd\Dwg\Worksheet\Worksheet-Plans Profiles\Worksheet-Test Units-02.dwg 7/28/2008

SITE 18CV480

TEST UNITS 15 AND 7

SOUTH WALL PROFILE



STRATUM A = (10YR 4/1) DARK GRAY, SILT LOAM

FEATURE 4 = (10YR 3/2) VERY DARK GRAYISH BROWN AND (10YR 3/1) VERY DARK GRAY, LOAM WITH OYSTER SHELL ALONG TOP AND BOTTOM

FEATURES 19A–19B = (10YR 4/3) BROWN, SILT LOAM (POST MOULDS)

STRATUM B = (10YR 3/2) VERY DARK GRAYISH BROWN AND (10YR 3/1) VERY DARK GRAY MOTTLED WITH (10YR 4/4) YELLOWISH BROWN, LOAM

STRATUM C = (7.5YR 4/4) BROWN MOTTLED WITH (7.5YR 3/2) DARK BROWN, LOAM

STRATUM D = (5YR 4/4) REDDISH BROWN AND (5YR 4/3) REDDISH BROWN, SANDY CLAY LOAM

LEGEND

GROUND SURFACE
HISTORIC CERAMIC
BRICK
SHELL
FEATURE

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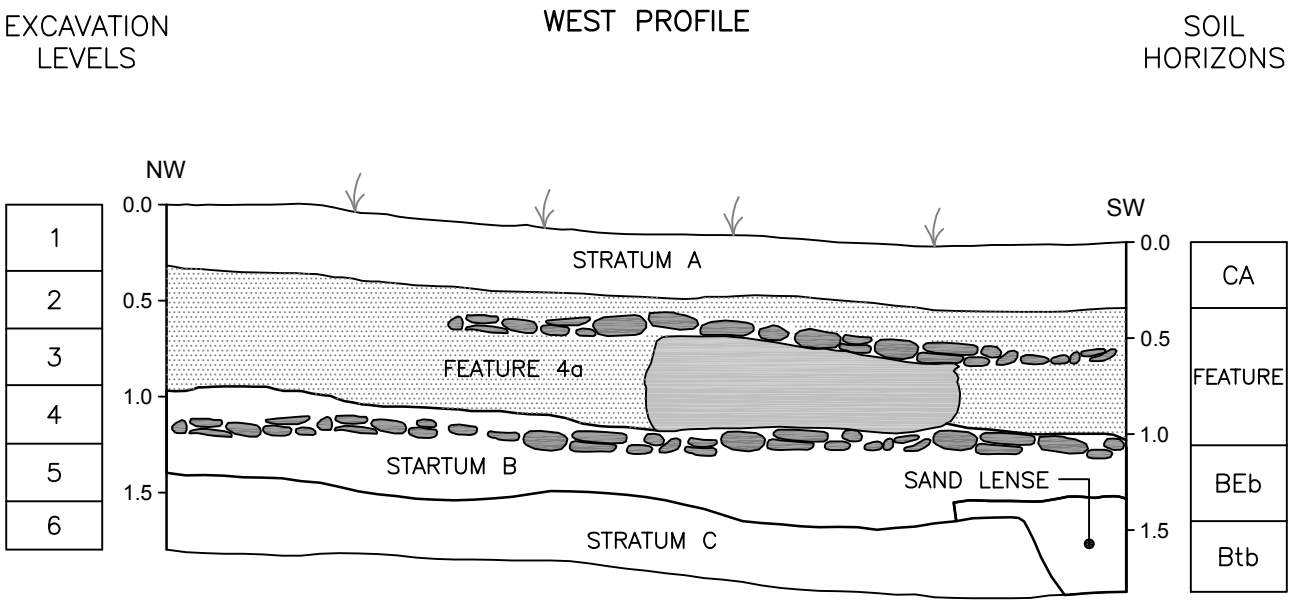
FIGURE 15–14	DWN. JL	CHKD. –	SCALE:
SITE 18CV480 TEST UNITS 15 AND 7 SOUTH WALL PROFILE	APPD. –	DATE 7/28/08	1"=1'
CALVERT CLIFFS NUCLEAR POWER PLANT CALVERT COUNTY, MARYLAND	DRAWING NUMBER C080212-00-000-00-C-A000		– REV

GAI CAD FILE: P:\PIT\2008\C080212.00\Cadd\Dwg\Worksheet\Worksheet-Plans Profiles\Worksheet-Test Units-02.dwg 7/28/2008

SITE 18CV480

TEST UNIT 4



SCALE 1"=1'

0 1 2 3

STRATUM A = (10YR 4/1) DARK GRAYISH BROWN, SILT LOAM

FEATURE 4a = (10YR 3/2) VERY DARK GRAYISH BROWN AND (10YR 3/1) VERY DARK GRAY MOTTLED WITH (10YR 4/4) DARK YELLOWISH BROWN, LOAM, 10%–20% BRICK AND SHELL

STRATUM B = (7.5YR 4/4) BROWN WITH (7.5YR 3/2) DARK BROWN MOTTLES, LOAM

STRATUM C = (5YR 4/4) REDDISH BROWN AND (5YR 4/3) REDDISH BROWN, SANDY LOAM

LEGEND

GROUND SURFACE

SHELL

ROCK

FEATURE

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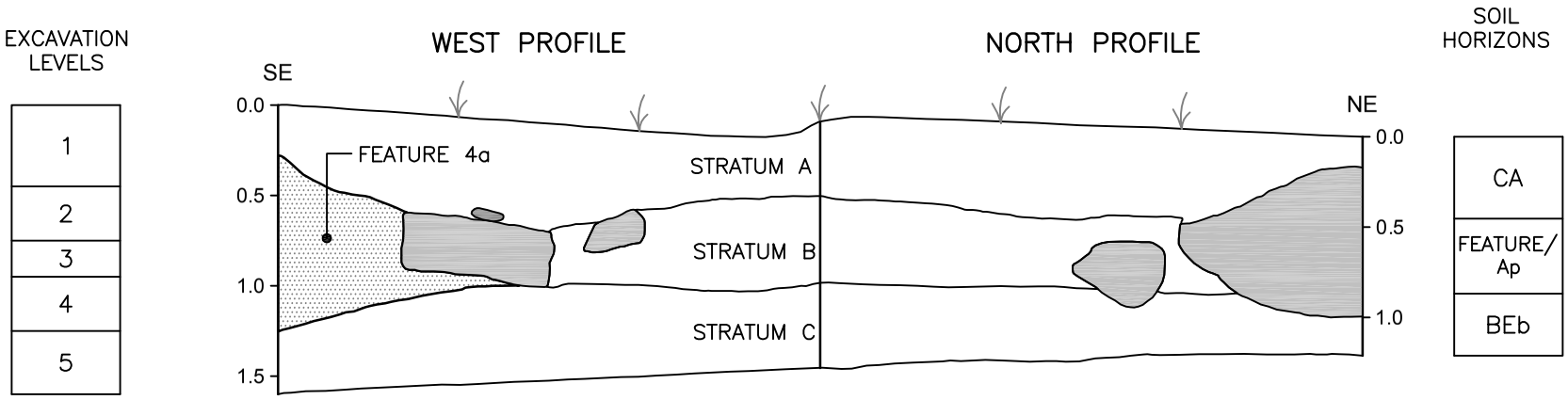
FIGURE 15–15	DWN. IP	CHKD. –	SCALE:
SITE 18CV480 TEST UNIT 4 WEST PROFILE	APPD. –	DATE 7/28/08	1"=1'
CALVERT CLIFFS NUCLEAR POWER PLANT CALVERT COUNTY, MARYLAND	DRAWING NUMBER C080212–00–000–00–C–A000		– REV

GAI CAD FILE: P:\PIT\2008\C080212.00\Cadd\Dwg\Worksheet\Worksheet–Plans Profiles\Worksheet–Test Units–01.dwg 7/28/2008

SITE 18CV480

TEST UNIT 14

WEST AND NORTH PROFILE



STRATUM A = (10YR 4/1) DARK GRAYISH BROWN, SILT LOAM

FEATURED 4a = (10YR 3/2) VERY DARK GRAYISH BROWN AND (10YR 3/1) VERY DARK GRAY MOTTLED WITH (10YR 4/4) DARK YELLOWISH BROWN, LOAM, 10%–20% BRICK AND SHELL

STRATUM B = (7.5YR 4/4) BROWN WITH (7.5YR 3/2) DARK BROWN MOTTLES, LOAM

STRATUM C = (5YR 4/4) REDDISH BROWN AND (YR 4/3) REDDISH BROWN, SANDY LOAM

LEGEND

GROUND SURFACE

SHELL

ROCK

FEATURE

SCALE 1"=1'

0 1 2 3

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FIGURE 15–16

SITE 18CV480
TEST UNIT 14
WEST AND NORTH PROFILE

CALVERT CLIFFS NUCLEAR POWER PLANT
CALVERT COUNTY, MARYLAND

DWN. IP	CHKD. –	SCALE:
APPD. –	DATE 7/28/08	1"=1'

DRAWING NUMBER

C080212–00–000–00–C–A000

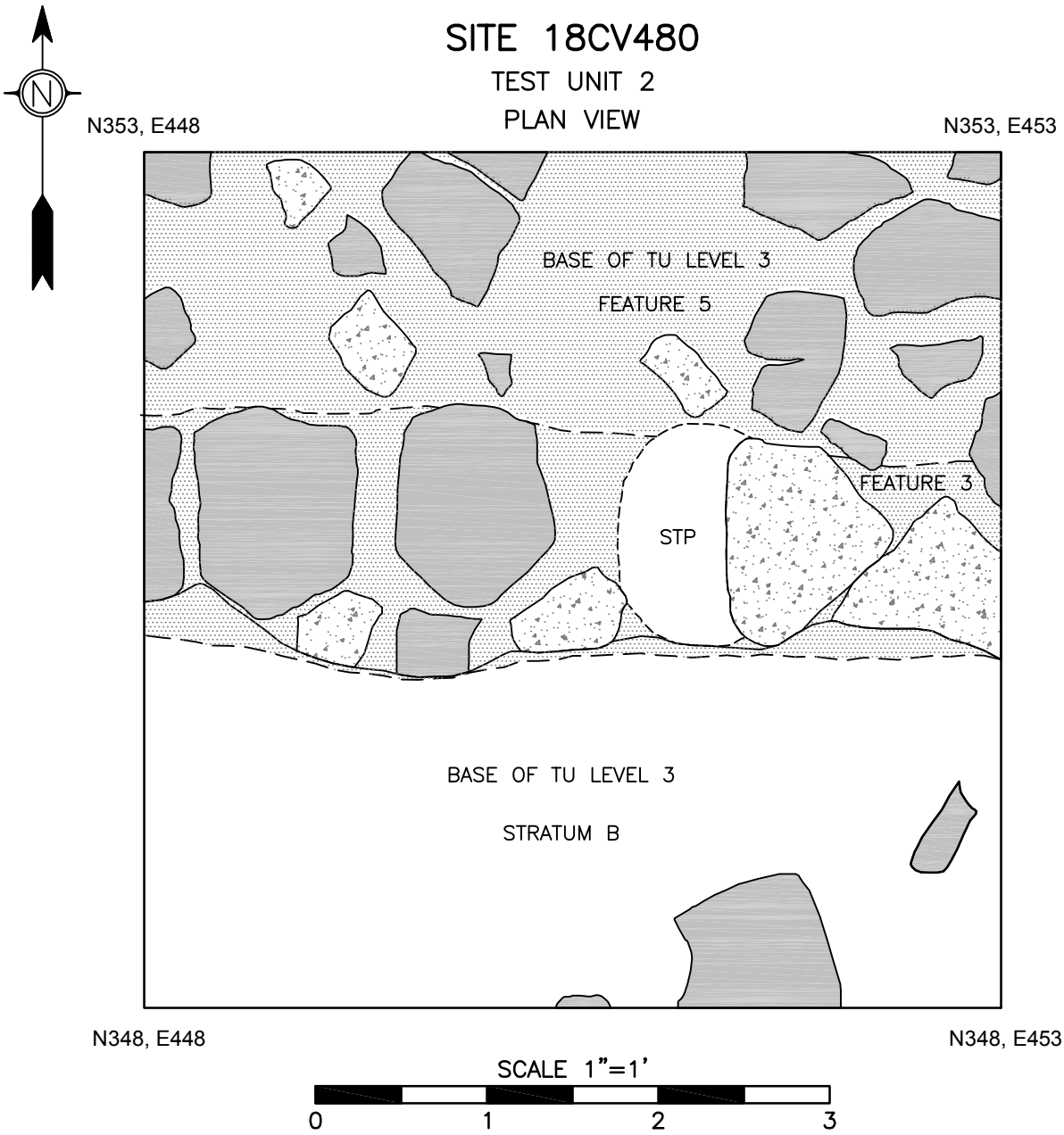
REV –

PLOTTER FILE: ENV COLOR

SITE 18CV480

TEST UNIT 2

PLAN VIEW



STRATUM B = (10YR 5/6) YELLOWISH BROWN, SILT LOAM

FEATURE 5 = (10YR 3/4) DARK YELLOWISH BROWN, SILT LOAM

LEGEND

GROUND SURFACE

MORTAR

ROCK

FEATURE

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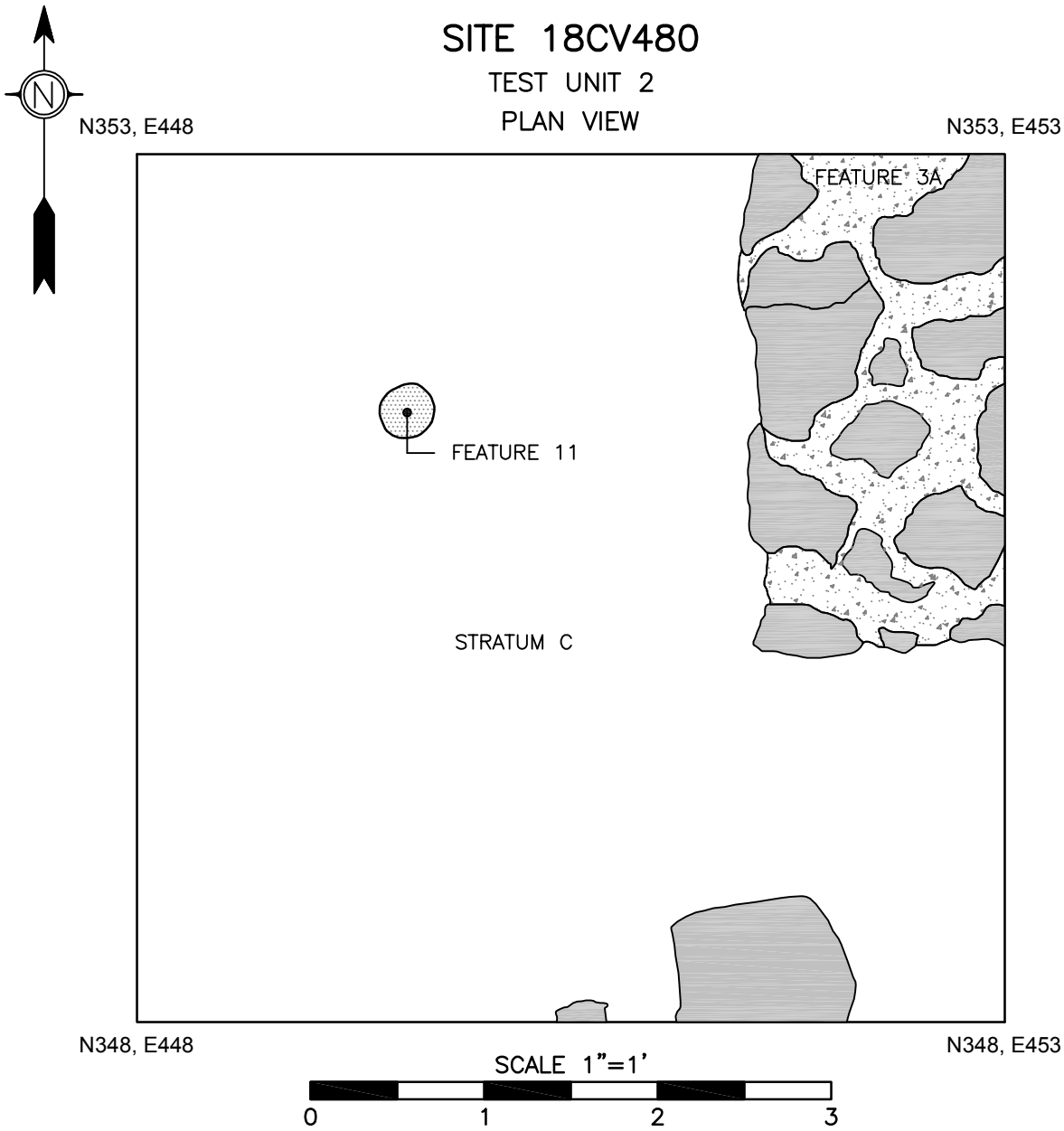
FIGURE 15–17	DWN. IP	CHKD. —	SCALE:
SITE 18CV480 TEST UNIT 2 PLAN VIEW	APPD. —	DATE 7/28/08	1"=1'
CALVERT CLIFFS NUCLEAR POWER PLANT CALVERT COUNTY, MARYLAND	DRAWING NUMBER C080212-00-000-00-C-A000		— REV

GAI CAD FILE: P:\PIT\2008\C080212.00\Cadd\Dwg\Worksheet\Worksheet-Plans Profiles\Worksheet-Test Units-01.dwg 7/28/2008

SITE 18CV480

TEST UNIT 2

PLAN VIEW



STRATUM C = (7.5YR 4/6) STONG BROWN, SANDY CLAY

FEATURE 11 = (10YR 4/3) BROWN, SILT LOAM

LEGEND

GROUND SURFACE

MORTAR

ROCK

FEATURE

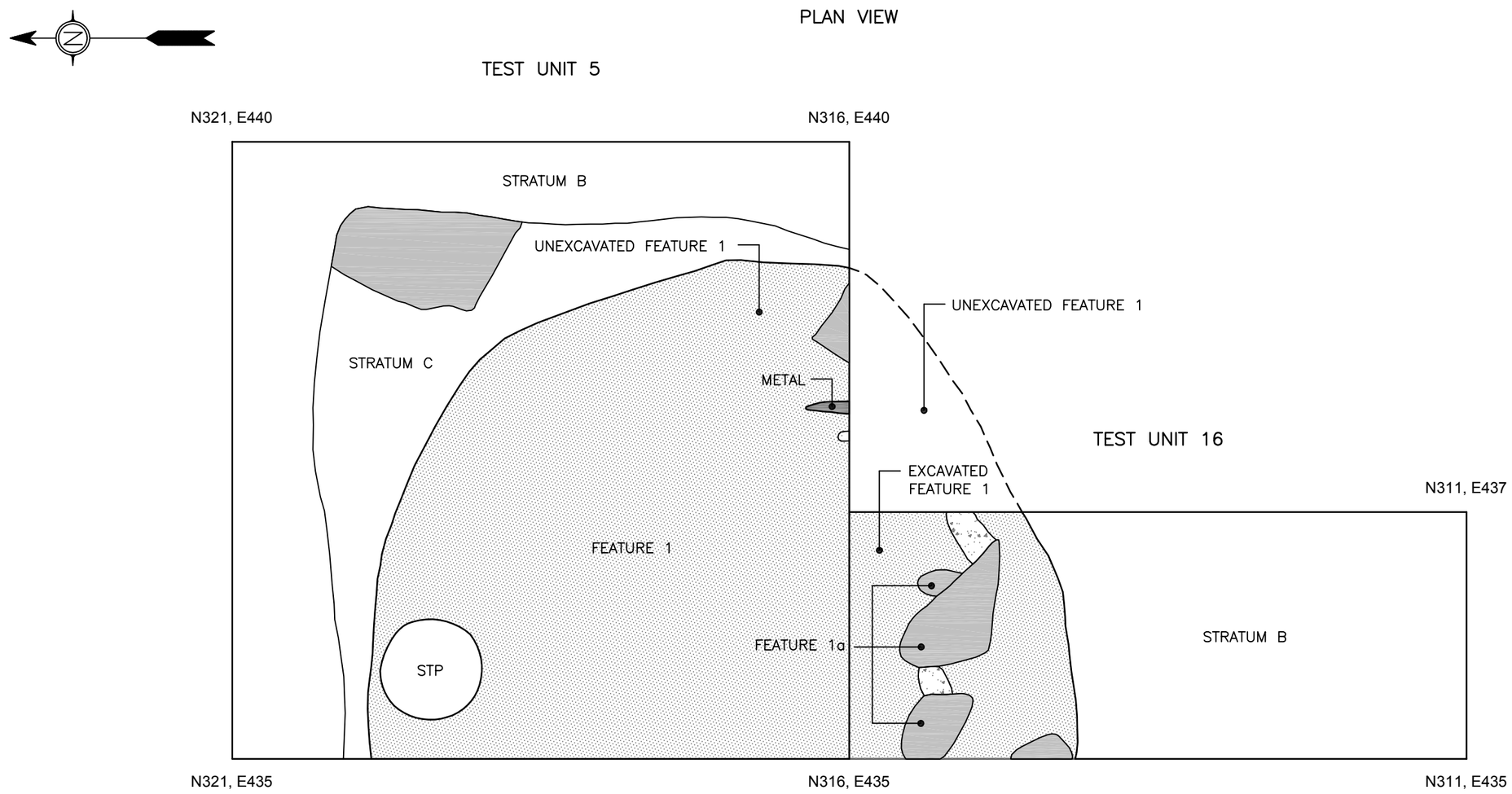
gai consultants

FIGURE 15–18	DWN. IP	CHKD. —	SCALE:
SITE 18CV480 TEST UNIT 2 PLAN VIEW	APPD. —	DATE 7/28/08	1"=1'
CALVERT CLIFFS NUCLEAR POWER PLANT CALVERT COUNTY, MARYLAND	DRAWING NUMBER C080212-00-000-00-C-A000		— REV

GAI CAD FILE: P:\PIT\2008\C080212.00\Cadd\Dwg\Worksheet\Worksheet-Plans Profiles\Worksheet-Test Units-01.dwg 7/28/2008

SITE 18CV480

PLAN VIEW



SCALE 1"=1'

0 1 2 3

STRATUM B = (10YR 5/6) YELLOWISH BROWN, SILT LOAM

STRATUM C = (7.5YR 5/8) STRONG BROWN, SILT LOAM

FEATURE 1 = (10YR 3/6) DARK YELLOWISH BROWN, SILT LOAM

LEGEND

ROCK

MORTAR

FEATURE

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FIGURE 15–19

SITE 18CV480
TEST UNITS 5 AND 16
PLAN VIEW

CALVERT CLIFFS NUCLEAR POWER PLANT
CALVERT COUNTY, MARYLAND

DWN. JL	CHKD. –	SCALE:
APPD. –	DATE 7/28/08	1"=1'

DRAWING NUMBER

C080212–00–000–00–C–B000

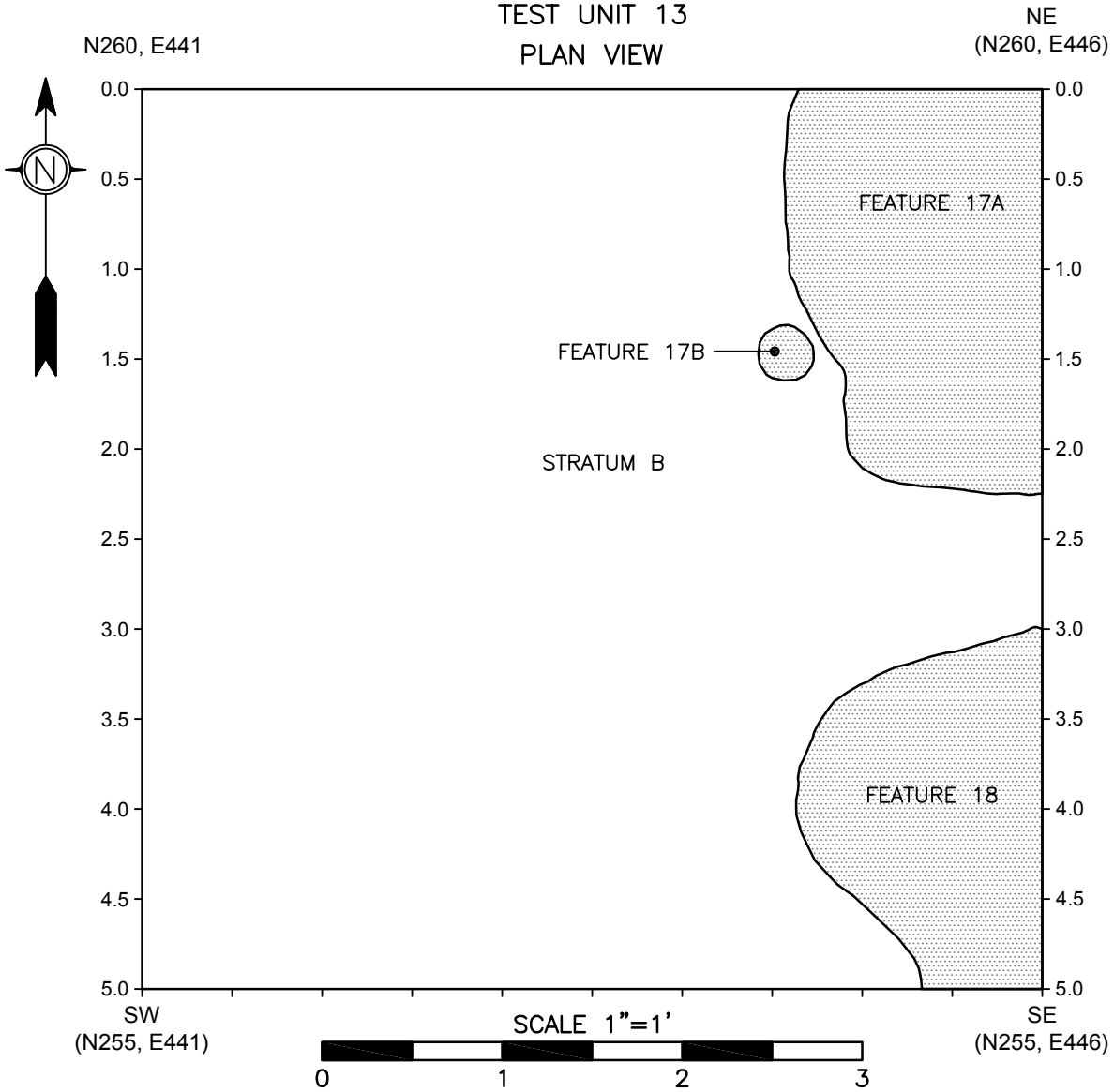
– REV

PLOTTER FILE: ENV COLOR

SITE 18CV480

TEST UNIT 13

PLAN VIEW



STRATUM B = (10YR 6/4) LIGHT YELLOWISH BROWN, SANDY LOAM

FEATURE 17A = (10YR 4/4) DARK YELLOWISH BROWN, SANDY LOAM

FEATURE 17B = (10YR 4/4) DARK YELLOWISH BROWN, SANDY LOAM

FEATURE 18 = (10YR 4/4) DARK YELLOWISH BROWN, SANDY LOAM

LEGEND

GROUND SURFACE

FEATURE

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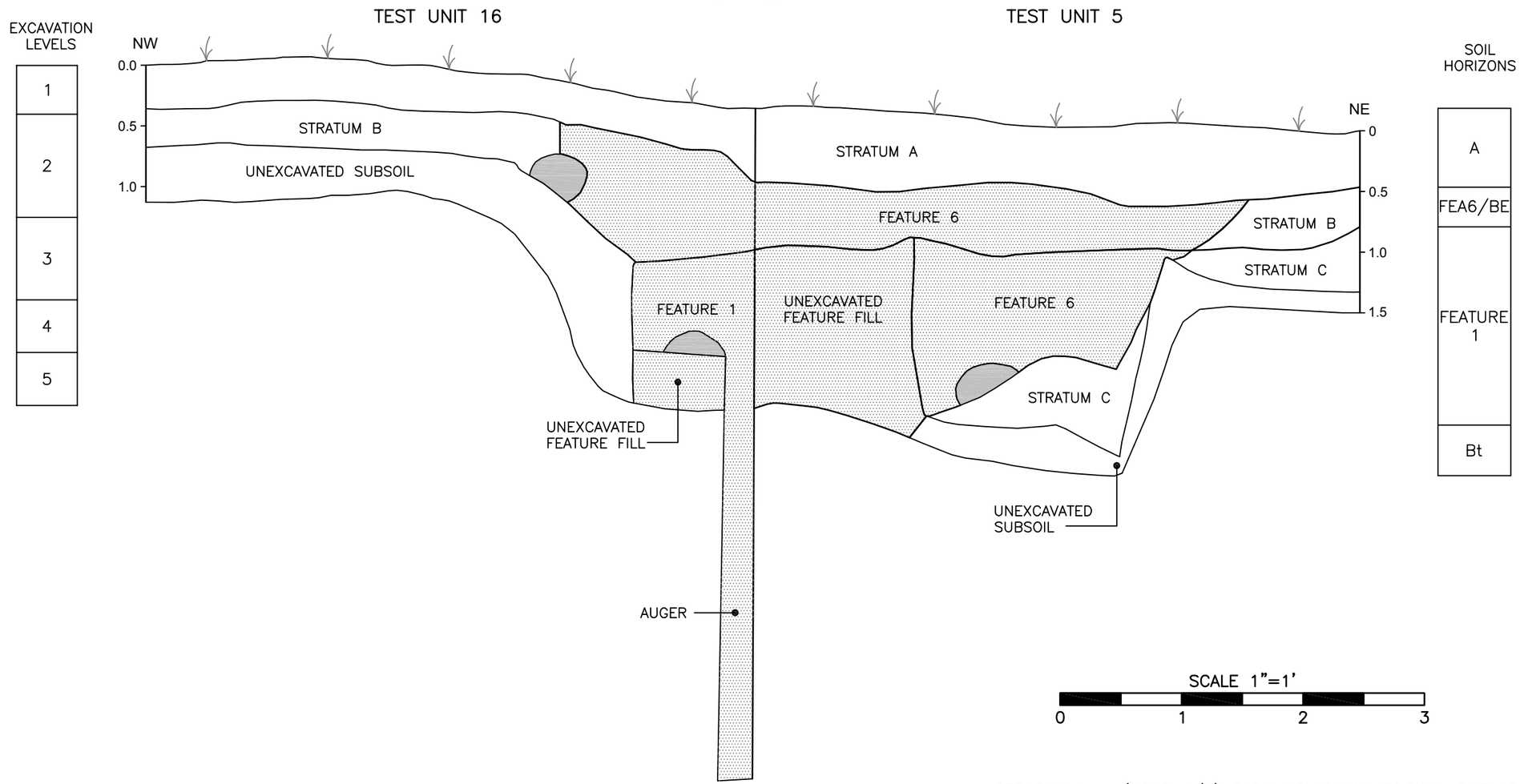
FIGURE 15–20	DWN. IP	CHKD. —	SCALE:
SITE 18CV480 TEST UNIT 13 PLAN VIEW	APPD. —	DATE 7/28/08	1"=1'
CALVERT CLIFFS NUCLEAR POWER PLANT CALVERT COUNTY, MARYLAND	DRAWING NUMBER C080212-00-000-00-C-A000		— REV

GAI CAD FILE: P:\PIT\2008\C080212.00\Cadd\Dwg\Worksheet\Worksheet-Plans Profiles\Worksheet-Test Units-01.dwg 7/28/2008

SITE 18CV480

TEST UNITS 5 AND 16

WEST PROFILE



SCALE 1"=1'

0 1 2 3

STRATUM A = (10YR 4/4) DARK YELLOWISH BROWN, SILT LOAM
FEATURE 6 = (10YR 4/4) DARK YELLOWISH BROWN, SILT LOAM
STRATUM B = (10YR 6/4) LIGHT YELLOWISH BROWN, SAND LOAM
FEATURE 1 = (10YR 3/4) DARK YELLOWISH BROWN, SILT LOAM
STRATUM C = (7.5YR 5/8) STRONG BROWN, SILT LOAM

LEGEND

GROUND SURFACE — ROCK — FEATURE

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412-476-2000

FIGURE 15–21
SITE 18CV480
TEST UNITS 5 AND 16
WEST PROFILE

CALVERT CLIFFS NUCLEAR POWER PLANT
CALVERT COUNTY, MARYLAND

DWN. IP	CHKD. —	SCALE:
APPD. —	DATE 7/28/08	1"=1'

DRAWING NUMBER
C080212–00–000–00–C–B000
REV —

PLOTTER FILE: ENV COLOR