



DANE COUNTY DEPARTMENT of PUBLIC WORKS, HIGHWAY and TRANSPORTATION

County Executive
Joseph T. Parisi

1919 Alliant Energy Center Way ♦ Madison, Wisconsin 53713
Phone: (608) 266-4018 ♦ Fax: (608) 267-1533

Commissioner / Director
Gerald J. Mandli

February 14, 2014

ATTENTION ALL REQUEST FOR BID (RFB) HOLDERS

RFB NO. 314002 - ADDENDUM NO. 2

CLAY EXCAVATION AND TRUCKING

BIDS DUE: TUESDAY, FEBRUARY 18, 2013, 2:00 PM. DUE DATE AND TIME ARE NOT CHANGED BY THIS ADDENDUM.

This Addendum is issued to modify, explain or clarify the original Request for Bid (RFB) and is hereby made a part of the RFB. Please attach this Addendum to the RFB. **Bidders must acknowledge all Addenda on the Bid Form.**

PLEASE MAKE THE FOLLOWING CHANGES:

1. Appendix C – Test Pit Field Logs and Location Map

- Appendix C is added to the Project Manual to provide the available test pit field logs and a test pit location map for the project. The topsoil / silt loam thickness above the clay ranged from 9” to 30” according to the test pits conducted in 1988.

2. Clarification in Response to Questions:

- The borrow area identified in the project plans for Phase 1 (eastern 40 acre parcel) includes an estimated 180,000 tons of clay. The restoration plan is based on the removal of all 180,000 tons of clay (Option B Alternate) If only 78,000 tons of clay are excavated (Base Bid B) only part of the borrow area will be disturbed and restored. The erosion control plan will remain the same under both Base Bid B and the Option B Alternate.

Enclosures:

Appendix C – Test Pit Field Logs and Location Map

Appendix C

Test Pit Field Logs and Location Map

E11
S1

6/14/88

0-28"

BLACK 10YR 1/1
SILT LOAM (ML-CL)

28-64"

BROWN 10YR 4/3
SILTY CLAY (CL)

64" →

DARK BROWN 10YR 3/3
SANDY SILT
(SOME COBBLES AT
86")
(ML-CL)

SAMPLE #1

30-40"

SAMPLE #2

50-64"

E13
S1

6/13/88

0-28"

VERY DARK GRAYISH BROWN
10YR 3/2
SILT LOAM (ML-CL)

28-80"

BROWN 10YR 5/3
LIGHT GRAYISH BROWN 10YR 6/2
BROWN (CL)
SILT CLAY LOAM

80" →

7.5 YR 4/4
SANDY LOAM
IN SEAMS (CL-ML)

SAMPLE #1

32-45"

SAMPLE #2

60-76"

E15
S1

0-28" BLACK 10YR 2/1
SILT LOAM (ML-CL)

28-84" BROWN 10YR 5/3
SILTY CLAY LOAM
(CL)

84" → BROWN
10YR 5/3 SILT LOAM (SM)
WITH SAND SOAMS.
(MOTTLED) ^{COARSE} BROWN
5 YR 5/4

SAMPLE #1 30-42"

SAMPLE #2 70-80"

6/13/88

E17
S1

0-30" BLACK 10YR 2/1
SILT LOAM
(ML-CL)

30-72 GRAYISH BROWN 10YR 5/2
SILTY CLAY LOAM (CL)

MOTTLED 5YR 5/4
REDDISH BROWN

72" → SANDY SILT (SM)
10YR 5/2

WATER AT BOTTOM. STEADY FLOW
18" OF WATER IN P, +
AFTER 10 MINUTES.

SAMPLE #1 30-40"

SAMPLE #2 60-70"

E19
S1

0-24" VERY DARK GRAYISH
BROWN 10YR 3/2
SILT LOAM (ML-CL)

24-72 GRAYISH BROWN 10YR 5/2
SILTY CLAY LOAM (CL)

MOTTLED, REDDISH BROWN
5YR 5/4

72- VERY HARD SANDY
Loam (SM) 5YR 5/4

SAMPLE #1

30"-40"

SAMPLE #2

50"-60"

6/13/88

E21
S1

0-24" 10YR 3/2
SILT LOAM (ML-CL)

24-48" GRAYISH BROWN 10YR 5/2
SILT CLAY LOAM
(CL)

48" →

YELLOWISH BROWN
SANDY LOAM (SM)
10YR 5/4

SAMPLE #1

24"-36"

SAMPLE #2

36"-48"

E23

S1

0-24" BLACK 10YR 2/1
SILT LOAM (ML-CL)

24-72" Pale Brown 10YR 6/3

SILTY LOAM (CL)
RED BROWN MOTTLES 5YR 5/2

COMMON (SAND IN MOTTLES)

72" →

SANDY 10YR 5/2
LOAM (SM)

WATER AT 84"
2" IN PIT AFTER 10 MIN.

SAMPLE #1 30"-40"

SAMPLE #2 60"-70"

SEEMS VERY SILTY

6/13/88

E25

S1

0-30" BLACK 10YR 2/1
SILT LOAM
(ML-CL)

30"-110" GRAY 10YR 6/1
SILTY CLAY LOAM
(CL)

MOTTLED 7.5YR 5/6
STRONG BROWN

110" →

BOTTOM OF HOLE
STILL SILTY CLAY AS
ABOVE (CL)

SAMPLE #1 30"-40"

SAMPLE #2 80"-90"

E25
S3

0-24" VERY DARK GRAYISH
BROWN 10YR 3/2
SILT LOAM (ML-CL)

24"-72" GRAYISH BROWN
10YR 5/2
SILTY CLAY LOAM
(CL)

72" → DARK REDDISH 5YR 3/3
BROWN SAND (SM)
SOME COBBLES
VERY HARD

SAMPLE	#1	30-40"
SAMPLE	#2	60-70"

6/13/88

E23
S3

0-28" BLACK 10YR 2/1
SILT LOAM
(ML-CL)

28"-60" GRAYISH BROWN 10YR 5/2
SILTY CLAY LOAM
(SOME BOULDERS AT
2-3 FEET) (CL)

60" → BOULDERS + SANDY TILL
(SM)

SAMPLE	#1	30"-40"
SAMPLE	#2	45"-55"

E21
S3

0-26" BLACK 10YR 2/1
SILT LOAM
(ML-CL)

26"-90" LIGHT BROWNISH GRAY
10YR 6/2
SILTY CLAY LOAM (CL)
LIGHTLY MOTTLED
w/ 5 YR 4/4
REDDISH BROWN

90" → SANDY 5YR 4/4
LOAM (SM)

WATER AT SAND (90")

SAMPLE #1 30"-40"
SAMPLE #2 60"-72"

6/13/88

E19
S3

0-28" BLACK 10YR 2/1
SILT LOAM (ML-CL)

28"-72" GRAYISH BROWN
10YR 5/2
SILTY CLAY LOAM
LIGHTLY MOTTLED (CL)

72" - SANDY 5 YR 4/4
LOAM (SM)

SAMPLE #1 32"-48"
SAMPLE #2 60"-72"

E17
53

0-24" BLACK 10YR 2/1
SILT LOAM
(ML-CL)

24"-70" BROWN 10YR 5/3
MOTTLED w/
YELLOW BROWN 10YR 5/6
SILTY CLAY LOAM (CL)

70" → SANDY LOAM (SM)
VERY PALE BROWN 10YR 7/9

SAMPLE #1 30-40"
SAMPLE #2 50-60"

6/13/88

E15
53

0-24" VERY DARK GRAYISH BROWN
10YR 3/2
SILT LOAM (ML-CL)

24"-52" YELLOWISH 10YR 4/4
BROWN (CL)

52" → SANDY w/ PEBBLES
YELLOWISH 10YR 5/6
BROWN (SM)

SAMPLE #1 24"-36"
SAMPLE #2 36"-48"

E13
S3

6/15/88

0-24"

VERY DARK GRANULOM
BROWN 10YR 3/2
SILT LOAM (ML-CL)

24"-81"

BROWN 10YR 5/3
SILTY CLAY LOAM (CL)

81" →

SANDY LOAM (SM) PEBBLES TO
BOULDERS
LIGHT YELLOWISH BROWN
10YR 6/4

✓★ SAMPLE #1 24"-48"
SAMPLE #2 60"-75"

★ SAMPLE FOR PROCTOR

E11
S3

0-18"

VERY DARK GRANULOM BROWN
10YR 3/2 (ML-CL)
SILT LOAM

18"-76"

YELLOW BROWN 10YR 5/4
SILTY CLAY LOAM
(CL)

76" →

SANDY LOAM (SM) PEBBLES & BOULDERS
YELLOW BROWN 10YR 5/4
(SANDY LOAM TILL)

✓★ SAMPLE #1 24"-30"
SAMPLE #2 60"-70"

6/16/88

E11
S5

0-20"

VERY DARK GRAYISH
BROWN 10YR 3/2

SILT LOAM
(ML-CL)

20"-80"

DARK YELLOWISH
BROWN 10YR 4/4

SILTY CLAY LOAM (CL)
w/ 75 YR 5/6 MOTTLED

80" →

VERY HARD FINE SAND
YELLOW BROWN 10YR 5/4
(SM)

SAMPLE 1 30"-40"

SAMPLE 2 60"-78"

E13
S5

0-12"

VERY DARK GRAYISH BROWN
10YR 3/2

SILT LOAM (ML-CL)

12-84

YELLOWISH
BROWN 10YR 4/4

SILTY CLAY LOAM (CL)

84" →

YELLOWISH
BROWN 10YR 5/6

SANDY LOAM TILL (SM)

VERY HARD, SOME PEBBLES
+ CORNERS

SAMPLE #1 24"-36"

SAMPLE #2 60"-78"

PLANT

E15
S5

0-16"

VERY DARK GRAYISH
BROWN 10 YR 3/2
SILT LOAM (MLCL)

16"-72"

DARK YELLOWISH BROWN
10 YR 4/4
SILTY CLAY LOAM (CL)

72" →

VERY HARD SANDY
TILL (SM)
10 YR 6/4
LIGHT YELLOWISH BROWN
PEBBLES + CORNICES

✓★ SAMPLE #1 24"-36"
SAMPLE #2 60-70"

6/15/88

E17
S5

0-12"

VERY DARK GRAYISH
BROWN 10 YR 3/2
SILT LOAM
(ML-CL)

12"-36"

DARK YELLOWISH BROWN
10 YR 4/4
SILTY CLAY LOAM (CL)

36" →

VERY HARD SANDY
TILL (SM) 10 YR 6/4
LIGHT YELLOWISH BROWN
PEBBLES + CORNICES

★ SAMPLE 1 12-36"
SAMPLE 2 20-30"

E19
S5

0-12" VERY DARK GRAYISH
BROWN 10 YR 3/2
SILT LOAM (ML-CL)

12"-54" DARK YELLOWISH BROWN
10 YR 4/4
SILTY CLAY LOAM (CL)

54" → COBBLES, Boulders
in SILTY CLAY
THEN
VERY HARD SANDY
TILL (SH) 10 YR 6/4
LIGHT YELLOWISH
BROWN

✓
SAMPLE 1
SAMPLE 2

~~20"-40"~~
30"-40"

PUB

6/15/88

E21
S5

0-28" BLACK 10 YR 2/1
SILT LOAM (ML-CL)

28"-90" MOTTLED 10 YR 5/6
YELLOWISH BROWN AND
10 YR 5/3 BROWN
SILTY CLAY LOAM
(CL)

90" → VERY HARD SANDY
LOAM TILL (CL-ML)
w/ COBBLES + Boulders
10 YR 6/4
LIGHT YELLOWISH
BROWN

SAMPLE 1 36"-40"
★ SAMPLE 2 60"-80"

TRB

E23
S5

0-24" VERY DARK GRAYISH
BROWN 10YR 3/2
SILT LOAM (ML-CL)

24"-60" DARK 10YR 4/4
YELLOWISH BROWN
SANDY CLAY LOAM (CL)

DISCONTINUOUS SAND
POCKETS AT 50"
PROBABLY WEATHER BOUNDER

60" → SANDY TILL (SM) 10YR 6/4
LIGHT YELLOWISH BROWN
PEBBLES TO BOUNDER

✓ SAMPLE 1 30"-45"
SAMPLE 2 36"-54"

6/15/88

E25
S5

0-24" VERY DARK GRAYISH BROWN
10YR 3/2
SILT LOAM (ML-CL)

24"-80" DARK YELLOW BROWN
10YR 4/4
SILTY CLAY LOAM (CL)

80" → SANDY TILL (SM)
7.5YR 4/6
STRONG BOUNDER

✓ SAMPLE 1 30"-40"
SAMPLE 2 54"-74"

E25
S7

0-28" VERY DARK
GRAY SILT LOAM
10YR 5/3
(MLCL)

28"-96" YELLOWISH
BROWN SILTY CLAY LOAM
10YR 5/4
(CL)

96" → VERY FIRM
SANDY LOAM (SM)
LIGHT YELLOWISH BROWN
10YR 6/4

SAMPLE 1 36-46"
SAMPLE 2 75-90"

6/15/88

E23
S7

0-12" VERY DARK GRAYISH
BROWN LOAM 3/2
SILT LOAM (ML-CL)

12-72 DARK YELLOW/OYR 4/4
BROWN SILTY CLAY LOAM
(CL)

72" → VERY HARD SAND (SM)
w/ PEBBLES
10YR 6/4

SAMPLE 1 20-32"
SAMPLE 2 60-72"

E21
S7

0-12"

10YR 3/2

SILT LOAM
(ML-CL)

12-36"

DARK 10YR 4/4
YELLOWISH BROWN
SILTY CLAY LOAM (CL)

36" →

SANDY TILL LOAM (SM)
w/ PEBBLES
10YR 6/4
YELLOWISH BROWN

SAMPLE 1 12-24"

SAMPLE 2 24-36"

6/15/88

E19
S7

CLAY LAYER
LESS THAN 1" THICK)

RNC2)

NO SAMPLES TAKEN

E17
S7

CLAY LAYER
LESS THAN 1" THICK

RNCL

NO SAMPLES TAKEN.

E25
S9

0-18"

VERY DARK GRAYISH
BROWN 10 YR 3/2
SILT LOAM (ML-CL)

18-90"

DARK YELLOWISH BROWN
10 YR 4/4
SILTY CLAY LOAM (CL)

90"

SANDY TILL VERY
FIRM (SM)
7.5 YR 4/6
STRONG BROWN

SAMPLE 1 18"-36"
SAMPLE 2 60"-84"

E23
S9

0-14" VERY 10 YR 3/2
DARK GRAYISH BROWN
SILT LOAM
(ML-CL)

14-64" DK. YELLOW 10 YR 4/4
BROWN SILTY CLAY LOAM (CL)

64" →

VERY WEATHERED
BOULDERS FROM
SANDY TILL (SM)

SAMPLE 1
SAMPLE 2

18"-30"
50"-60"

6/15/88

E21
S9

0-9" VERY DK GRAY 10 YR 3/2
BROWN SILT LOAM
(ML-CL)

9-38" DARK YELLOW 10 YR 4/4
BROWN
SILTY CLAY LOAM CL

38" →

LIGHT YELLOW BROWN
SANDY TILL (SM)
PEBBLES + COBBLES

SAMPLE 1 12-24"
SAMPLE 2 24-36"

E19
S9

0-9" Very dk Gray 10 YR 3/2
Brown Silty loam
(ML-CL)
9-20" Dark Yellow 10 YR 4/4
Brown silty clay loam
(CL)

20" → Sandy Till SM
w/ cobbles

RNC2

NO SAMPLES TAKEN

6/15/88

E17
S9

0-9" Very dk Gray 10 YR 3/2
Brown Silty loam
(ML-CL)
9-20" Dark Yellow 10 YR 4/4
Brown silty clay loam
(CL)

20" → Sandy Till w/ cobbles
SM

RNC2

NO SAMPLES TAKEN

E25
S11

0-12"

VERY DARK GRAYISH
BROWN 10YR 3/2
SILT LOAM (ML-CL)

12"-24"

DARK 10YR 4/4
YELLOWISH BROWN
SANDY CLAY LOAM (CL)

24" → 36"

DARK YELLOWISH BROWN
10YR 4/4
BROWN

SANDY CLAY LOAM
W/ PEBBLES = 6/50

36" →

VERY 10YR 7/4
PALE BROWN
HARD SANDY TILL (SM)

NO SAMPLES TAKEN

6/15/88
E23
S11

0-12" VERY DARK GRAYISH
BROWN 10YR 3/2
SILT LOAM
(ML-CL)

12-48"

DARK YELLOWISH BROWN 10YR 4/4
SANDY CLAY LOAM
(CL)

48" →

LIGHT YELLOWISH BROWN 10YR 6/4
SANDY TILL - SANDIER
+ COBBLES (SM)
VERY HARD SAND AT
≈ 60"

SAMPLE 1
SAMPLE 2

12-24"
30-45"

E21
S11

0-12"

VERY DARK GRAY
SILT LOAM
(ML-CL)

12"-54"

DARK
YELLOWISH SANDY
CLAY LOAM
(SC)

54" →

LIGHT YELLOWISH GRAY
VERY HARD
SANDY TILL (SM)
w/ PEBBLES

SAMPLE 1 20-30
* SAMPLe 2 30-50

E19
S11

6/15/80
E19
S11

0-12"

VERY DARK BROWN
SILT LOAM (ML-CL)

12-30"

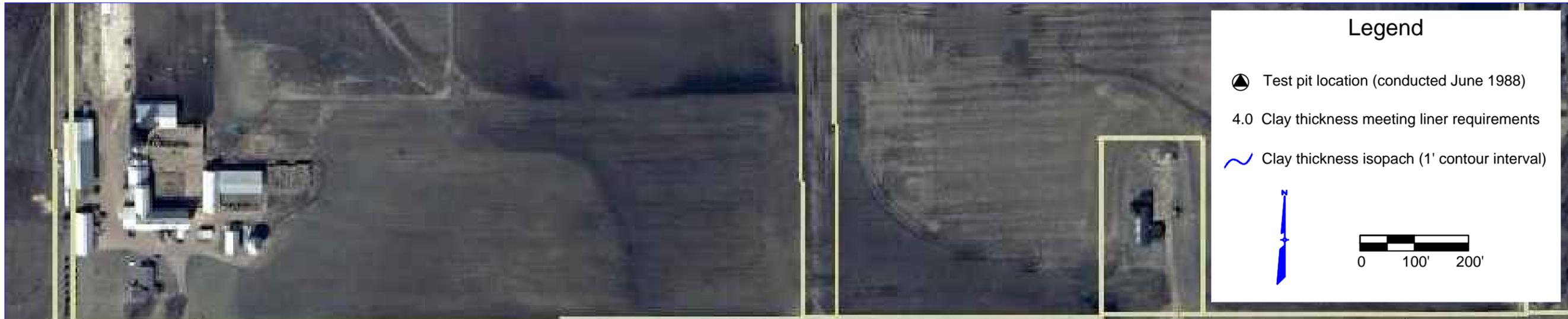
DARK YELLOWISH
BROWN

SANDY CLAY LOAM
(SC)

30" →

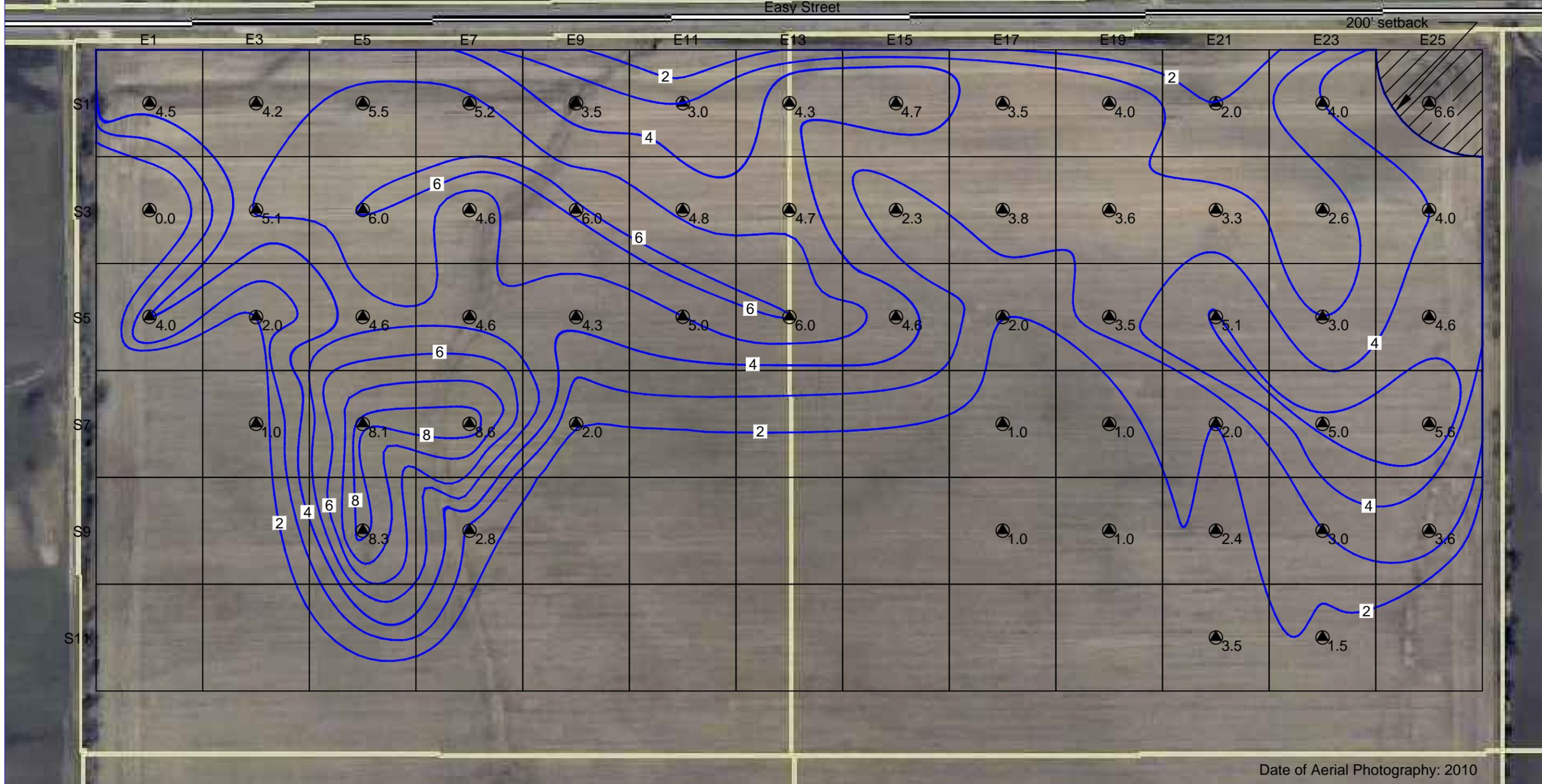
SANDY TILL (SM)
w/ COBBLES BouldERS
LIGHT YELLOWISH
BROWN

No SAMPLES TAKEN



Legend

- Test pit location (conducted June 1988)
- 4.0 Clay thickness meeting liner requirements
- Clay thickness isopach (1' contour interval)



File Name:

Revisions
 Approved By: JW
 Drawn By: MR
 Date: 10/07/2013
 Scale: AS SHOWN
 Bid No.:

DEPARTMENT OF PUBLIC WORKS
 DANE COUNTY WISCONSIN

EASY ST. CLAY BORROW SITE
 CLAY THICKNESS ISOPACH

Sheet 1
 of 1

Date of Aerial Photography: 2010