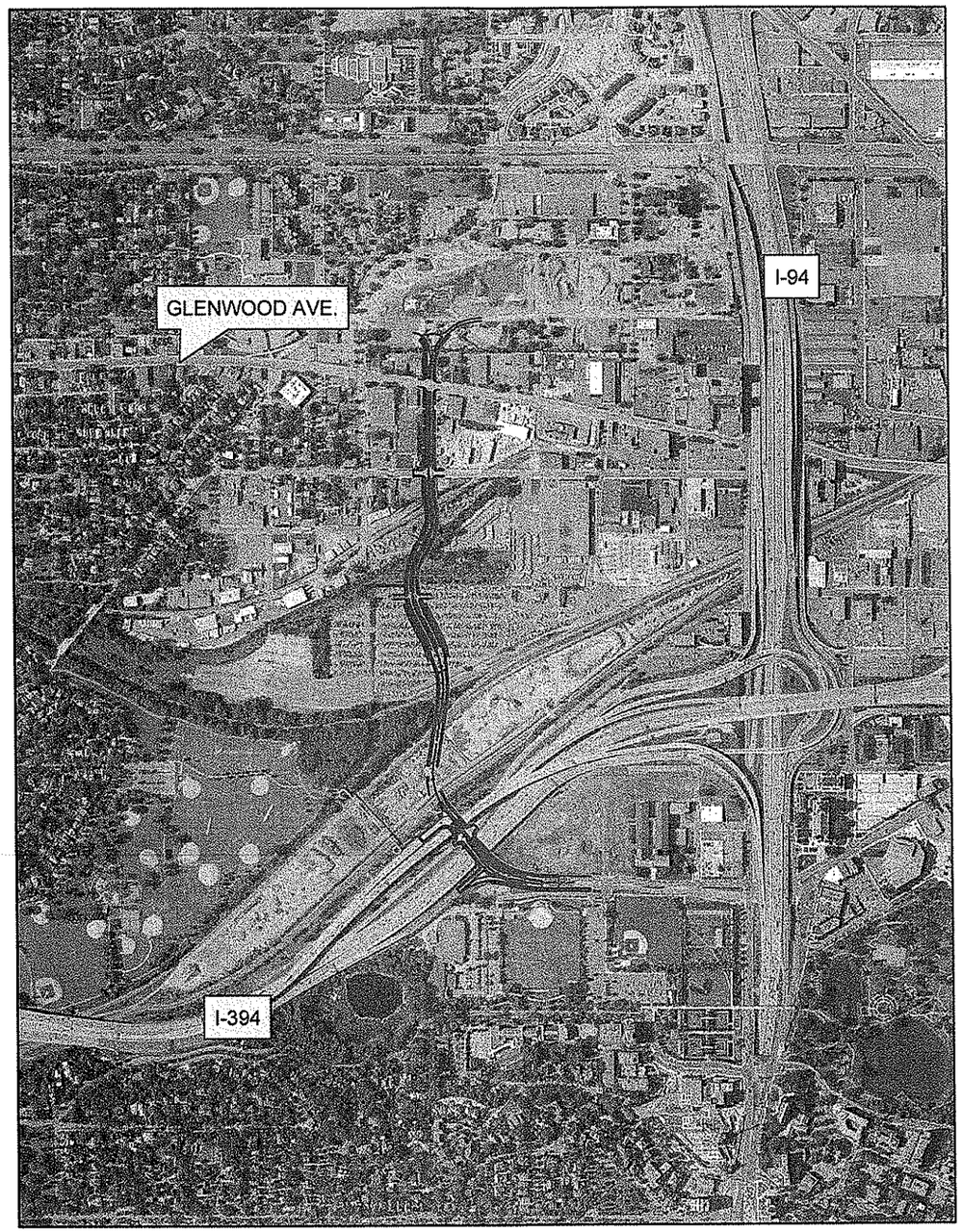
Figures



St. Paul District
GEOLOGY
GEOTECHNICAL
US Army Corps of Engineers®

GENERAL PROJECT LOCATION - VAN WHITE MEMORIAL BOULEVARD

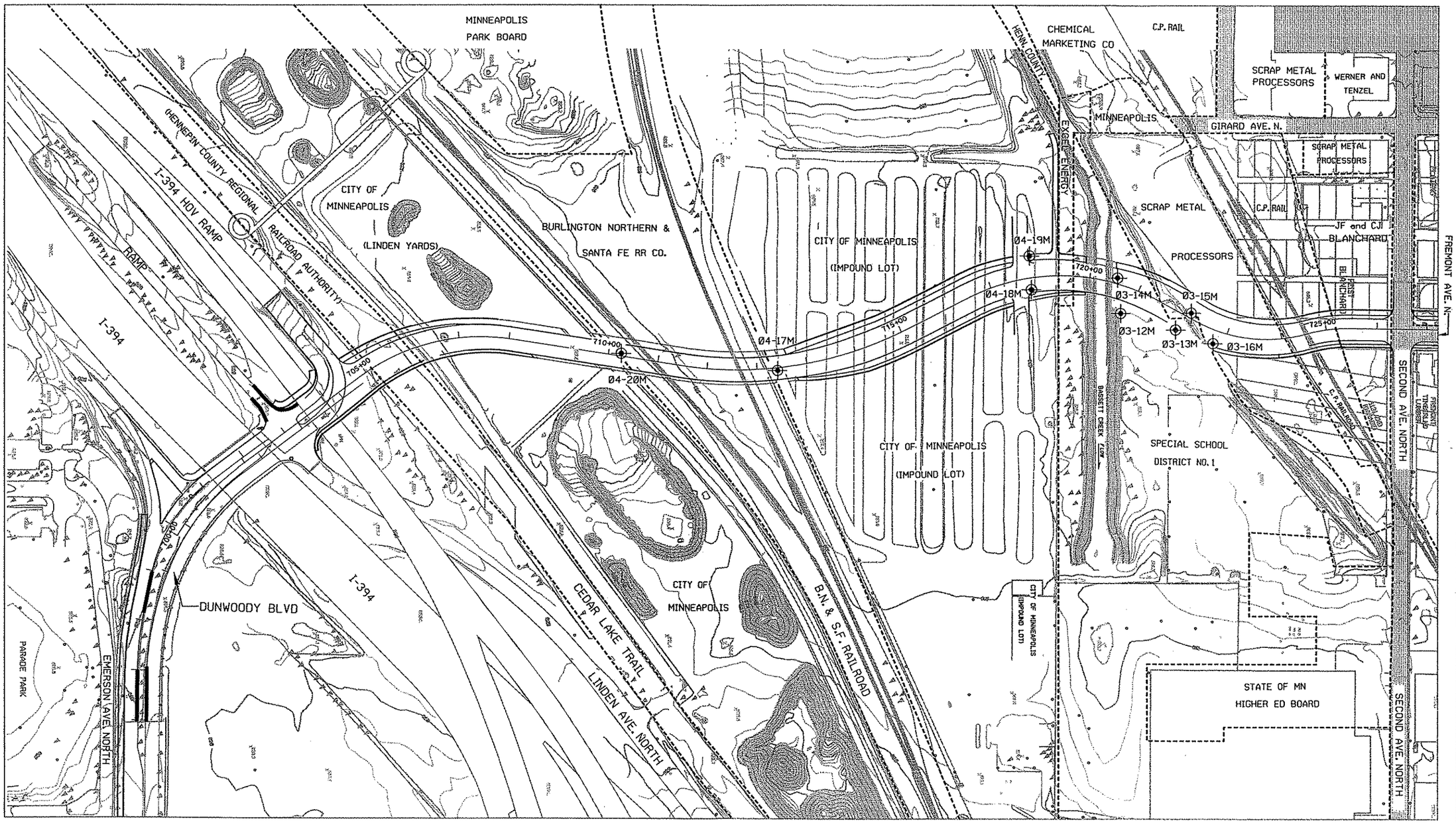
600 0 600 1,200 1,800 2,400 Feet

N

Figure 1

= PROPERTY BOUNDARIES

NOTE: PROPERTY BOUNDARIES AS SHOWN ARE APPROXIMATE.



= SOIL BORING LOCATION

Ø3-12M YEAR OF BORING, BORING NUMBER, BORING TYPE (M = MACHINE)

100 0 100 200
SCALE IN FEET

US Army Corps of Engineers
St. Paul District

Symbol	Description	Date	Appr.

DESIGNED: GAR | SCALE: AS SHOWN | DATE: JAN. 2004
CHECKED: | CADD FILE NAME: ESA_Layout_Plan.dgn
DRAWN: | SOL. NO:
DESIGNED: | AE APPROVING OFFICIAL:
CHECKED:

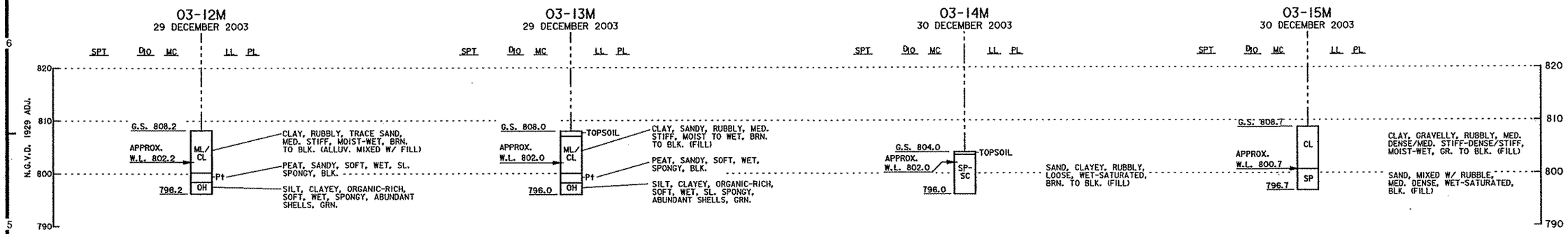
DEPARTMENT OF THE ARMY
ST. PAUL, MINNESOTA
CORPS OF ENGINEERS
ST. PAUL DISTRICT

VAN WHITE MEMORIAL BOULELVARD
MINNEAPOLIS, MINNESOTA
PHSAE II - ESA
ENVIRONMENTAL SOIL BORING LOCATIONS

DRAWING NUMBER:

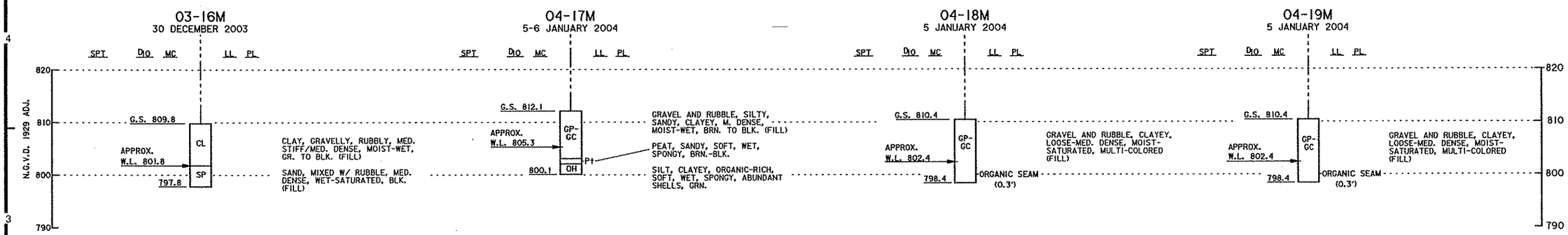
SHT OF

FIGURE 2

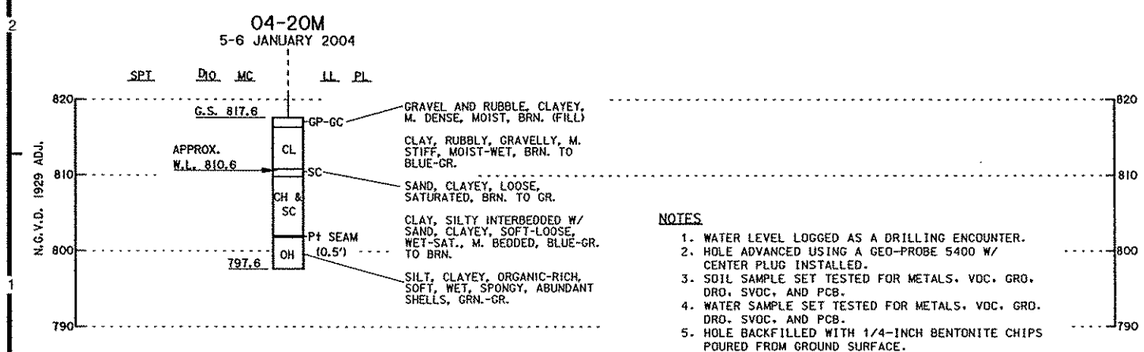


NOTES
1. WATER LEVEL LOGGED AS A DRILLING ENCOUNTER.
2. HOLE ADVANCED USING A GEO-PROBE 5400 W/ CENTER PLUG INSTALLED.
3. SOIL SAMPLE SET TESTED FOR METALS, VOC, GRO, DRO, SVOC, AND PCB.
4. WATER SAMPLE SET TESTED FOR METALS, VOC, GRO, DRO, SVOC, AND PCB.
5. HOLE BACKFILLED WITH 1/4-INCH BENTONITE CHIPS POURED FROM GROUND SURFACE.

NOTES
1. WATER LEVEL LOGGED AS A DRILLING ENCOUNTER.
2. HOLE ADVANCED USING A GEO-PROBE 5400 W/ CENTER PLUG INSTALLED.
3. SOIL SAMPLE SET TESTED FOR METALS, VOC, GRO, DRO, SVOC, AND PCB.
4. WATER SAMPLE SET TESTED FOR METALS, VOC, GRO, DRO, SVOC, AND PCB.
5. HOLE BACKFILLED WITH 1/4-INCH BENTONITE CHIPS POURED FROM GROUND SURFACE.



NOTES
1. WATER LEVEL LOGGED AS A DRILLING ENCOUNTER.
2. HOLE ADVANCED USING A GEO-PROBE 5400 W/ CENTER PLUG INSTALLED.
3. SOIL SAMPLE SET TESTED FOR METALS, VOC, GRO, DRO, SVOC, AND PCB.
4. WATER SAMPLE SET TESTED FOR METALS, VOC, GRO, DRO, SVOC, AND PCB.
5. HOLE BACKFILLED WITH 1/4-INCH BENTONITE CHIPS POURED FROM GROUND SURFACE.



NOTES
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5. HOLE BACKFILLED WITH 1/4-INCH BENTONITE CHIPS POURED FROM GROUND SURFACE.

US Army Corps of Engineers
St. Paul District

Symbol	Description	Date	Appr.

SCALE: AS SHOWN
DATE: MAR. 2004
CADD FILE NAME: 0101D005.cgn
SOL. NO.:
DESIGNED: GAR
CHECKED: GAR
DRAWN: G.A.S.
DESIGNED:
CHECKED:
APPROVING OFFICIAL: AE
ED-D
ED-H

DEPARTMENT OF THE ARMY
ST. PAUL, MINNESOTA
CORPS OF ENGINEERS
ST. PAUL DISTRICT

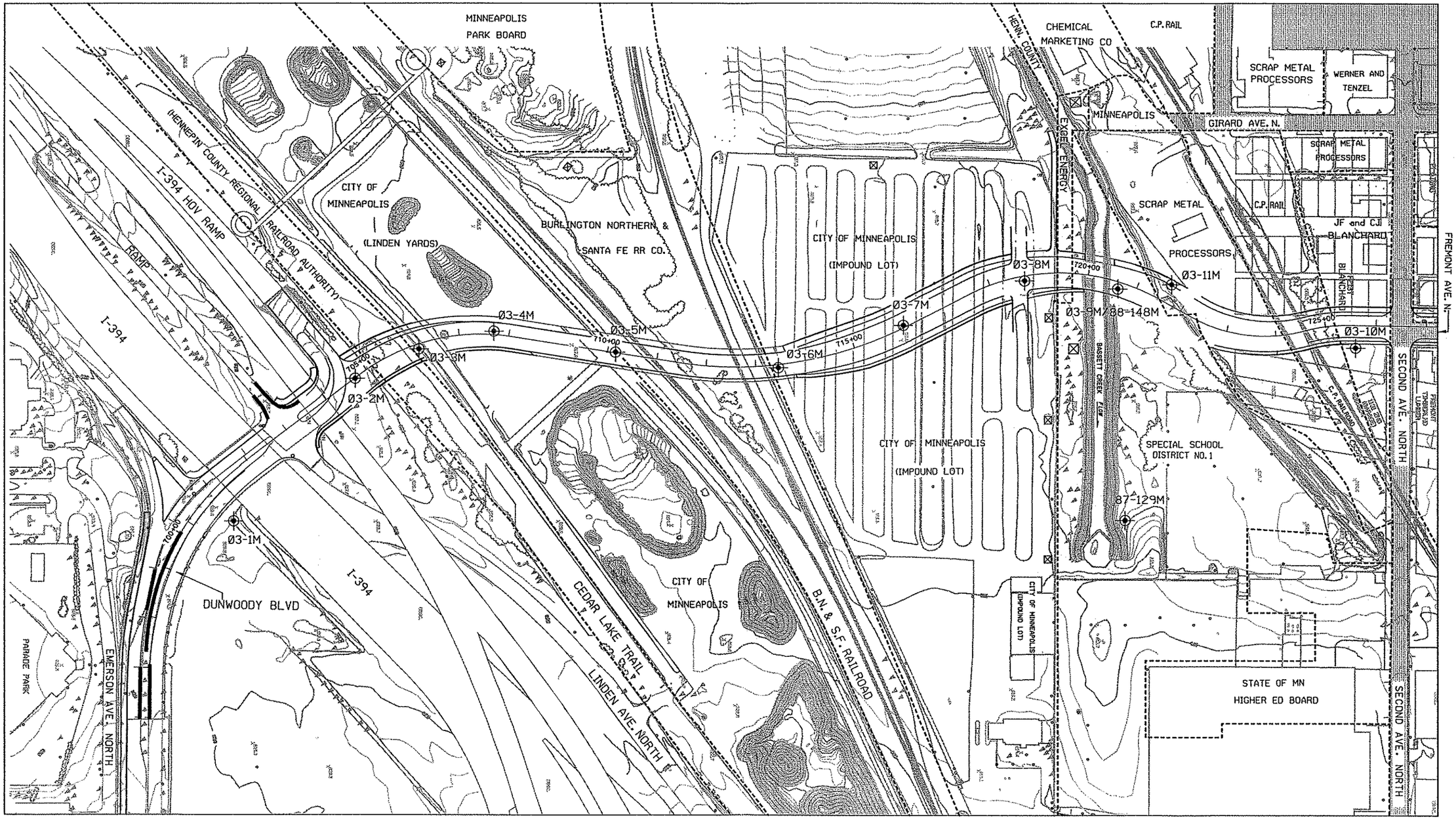
VAN WHITE MEMORIAL BOULEVARD
MINNEAPOLIS, MINNESOTA
GEOLOGICAL DATA
BORING LOGS: 04-12M, 13M, 14M, 15M, 16M, 17M, 18M, 19M & 20M

DRAWING NUMBER:
M34.3-S-10/126
SHT 1 OF 1

FIGURE 3

= PROPERTY BOUNDARIES

NOTE: PROPERTY BOUNDARIES AS SHOWN ARE APPROXIMATE.



= SOIL BORING LOCATION

03-1M YEAR OF BORING, BORING NUMBER, BORING TYPE (M = MACHINE)

DRAFTED BORING STAFF 87-129M NOT SHOWN ON PLATES, BUT TEST DATA WAS USED FOR ANALYSIS. TO VIEW BORING LOG CALL (651) 290-5599.

100 0 100 200
SCALE IN FEET

US Army Corps of Engineers
St. Paul District

Symbol	Description	Date	Appr.

DESIGNED: GAR | SCALE: AS SHOWN | DATE: JAN. 2004
CHECKED: | CADD FILE NAME: ESAGeo_borloc.dgn
DRAWN: | SOL. NO:
DESIGNED: | AE APPROVING OFFICIAL:
CHECKED:

DEPARTMENT OF THE ARMY
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CORPS OF ENGINEERS
ST. PAUL DISTRICT

VAN WHITE MEMORIAL BOULELVARD
MINNEAPOLIS, MINNESOTA
PHASE II - ESA
GEOTECHNICAL SOIL BORING LOCATIONS

DRAWING NUMBER:

SHT OF

FIGURE 4