SCHLEEDE-HAMPTON ASSOCIATES, INC. • CONSULTING ENGINEERS

RECORD OF SUBSURFACE EXPLORATION

BORING C-2 PAGE 1 OF 1

PROJECT NAME Dover Chrome Phase II

SHA PROJECT NO. 44238

SITE LOCATION 2929 Campbell Avenue
Chicago, Illinois

DATE STARTED 4/4/94
DATE COMPLETED 4/4/94
DRILLER CB BORING METHOD HA
GW ENCOUNTERED WHILE DRILLING None
GROUND WATER, AT COMPLETION Dry
GROUND WATER, AFTER -- DAYS --
HOLE CAVED, -- AT --

ELEV.	DESCRIPTION	DEPTH	SAMPLE	N	Qu	Qp	Wc	REMARKS
	Surface							Bore hole backfilled upon completion
	Concrete Slab							
	SAND and GRAVEL and Silty CLAY, brown and black, FILL		1AU					
		1						
			2AU					
	End of Boring 2.0'	2						

SYMBOLS
N: STANDARD PENETRATION, BLOWS/FT.
Qu: UNCONFINED COMPRESSIVE STRENGTH, TONS/SQ. FT.
Wc WATER CONTENT, %
LL: LIQUID LIMIT, %
PI: PLASTICITY INDEX, %
Dd: NATURAL DRY DENSITY, LBS./CU. FT.
Qp: HAND PENETROMETER, TONS/SQ. FT.
GW: GROUND WATER

SAMPLE DESIGNATION
SS— DRIVEN SPLIT SPOON 1 3/8" I.D., 2" O.D.
ST— PRESSED SHELBY TUBE
AU— AUGER SAMPLE
RC— ROCK CORE - NXM

BORING METHOD
HSA—HOLLOW STEM AUGERS
CFA—CONTINUOUS FLIGHT AUGERS
C— CASING
MD— MUD DRILLING

NOTE: The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

SCHLEEDE-HAMPTON ASSOCIATES, INC. • CONSULTING ENGINEERS

RECORD OF SUBSURFACE EXPLORATION

BORING C-3 PAGE 1 OF 1

PROJECT NAME Dover Chrome Phase II

SHA PROJECT NO. 44238

SITE LOCATION 2929 Campbell Avenue
Chicago, Illinois

DATE STARTED 4/4/94

DATE COMPLETED 4/4/94

DRILLER CB BORING METHOD HA

GW ENCOUNTERED WHILE DRILLING None

GROUND WATER, AT COMPLETION Dry

GROUND WATER, AFTER -- DAYS --

HOLE CAVED, -- AT --

ELEV.	DESCRIPTION	DEPTH	SAMPLE	N	Qu	Qp	Wc	REMARKS
	Surface							Bore hole backfilled upon completion
	Concrete Slab							
	SAND, GRAVEL, Cinders, and Silty CLAY, brown and black, FILL		1AU					
		1						
	Silty CLAY, little Sand, trace Gravel, brown and black		2AU					
		2						
	End of Boring 2.0'							

SYMBOLS
- N: STANDARD PENETRATION, BLOWS/FT.
- Qu: UNCONFINED COMPRESSIVE STRENGTH, TONS/SQ. FT.
- Wc WATER CONTENT, %
- LL: LIQUID LIMIT, %
- PI: PLASTICITY INDEX, %
- Dd: NATURAL DRY DENSITY, LBS./CU. FT.
- Qp: HAND PENETROMETER, TONS/SQ. FT.
- GW: GROUND WATER

SAMPLE DESIGNATION
- SS— DRIVEN SPLIT SPOON 1 3/8" I.D., 2" O.D.
- ST— PRESSED SHELBY TUBE
- AU— AUGER SAMPLE
- RC— ROCK CORE - NXM

BORING METHOD
- HSA—HOLLOW STEM AUGERS
- CFA—CONTINUOUS FLIGHT AUGERS
- C— CASING
- MD— MUD DRILLING

NOTE: The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

SCHLEEDE-HAMPTON ASSOCIATES, INC. • CONSULTING ENGINEERS

RECORD OF SUBSURFACE EXPLORATION

BORING C-4 PAGE 1 OF 1

PROJECT NAME Dover Chrome Phase II

SHA PROJECT NO. 44238

SITE LOCATION 2929 Campbell Avenue
Chicago, Illinois

DATE STARTED 4/4/94
DATE COMPLETED 4/4/94
DRILLER CB BORING METHOD HA
GW ENCOUNTERED WHILE DRILLING None
GROUND WATER, AT COMPLETION Dry
GROUND WATER, AFTER -- DAYS --
HOLE CAVED, -- AT --

ELEV.	DESCRIPTION	DEPTH	SAMPLE	N	Qu	Qp	Wc	REMARKS
	Surface							Bore hole backfilled upon completion
	Concrete Slab							
	SAND and GRAVEL, brown, FILL		1AU					
		1						
	End of Boring 15" Auger Refusal							

SYMBOLS
N: STANDARD PENETRATION, BLOWS/FT.
Qu: UNCONFINED COMPRESSIVE STRENGTH, TONS/SQ. FT.
Wc WATER CONTENT, %
LL: LIQUID LIMIT, %
PI: PLASTICITY INDEX, %
Dd: NATURAL DRY DENSITY, LBS./CU. FT.
Qp: HAND PENETROMETER, TONS/SQ. FT.
GW: GROUND WATER

SAMPLE DESIGNATION
SS— DRIVEN SPLIT SPOON 1 3/8" I.D., 2" O.D.
ST— PRESSED SHELBY TUBE
AU— AUGER SAMPLE
RC— ROCK CORE - NXM
BORING METHOD
HSA—HOLLOW STEM AUGERS
CFA—CONTINUOUS FLIGHT AUGERS
C— CASING
MD— MUD DRILLING

NOTE: The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

SCHLEEDE-HAMPTON ASSOCIATES, INC. • CONSULTING ENGINEERS

RECORD OF SUBSURFACE EXPLORATION

BORING C-5 PAGE 1 OF 1

PROJECT NAME Dover Chrome Phase II

SHA PROJECT NO. 44238

SITE LOCATION 2929 Campbell Avenue
Chicago, Illinois

DATE STARTED 4/4/94

DATE COMPLETED 4/4/94

DRILLER CB BORING METHOD HA

GW ENCOUNTERED WHILE DRILLING None

GROUND WATER, AT COMPLETION Dry

GROUND WATER, AFTER -- DAYS --

HOLE CAVED, -- AT --

ELEV.	DESCRIPTION	DEPTH	SAMPLE	N	Qu	Qp	Wc	REMARKS
	Surface							Bore hole backfilled upon completion
	Concrete Slab							
	Cobbles and Bricks, FILL							
	Silty CLAY, SAND and GRAVEL, Cinders, FILL	1	1AU					
			2AU					
	End of Boring 2.0'	2						

SYMBOLS

N: STANDARD PENETRATION, BLOWS/FT.
Qu: UNCONFINED COMPRESSIVE STRENGTH, TONS/SQ. FT.
Wc WATER CONTENT, %
LL: LIQUID LIMIT, %
PI: PLASTICITY INDEX, %
Dd: NATURAL DRY DENSITY, LBS./CU. FT.
Qp: HAND PENETROMETER, TONS/SQ. FT.
GW: GROUND WATER

SAMPLE DESIGNATION

SS— DRIVEN SPLIT SPOON 1 3/8" I.D., 2" O.D.
ST— PRESSED SHELBY TUBE
AU— AUGER SAMPLE
RC— ROCK CORE - NXM

BORING METHOD

HSA—HOLLOW STEM AUGERS
CFA—CONTINUOUS FLIGHT AUGERS
C— CASING
MD— MUD DRILLING

NOTE: The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

SCHLEEDE-HAMPTON ASSOCIATES, INC. • CONSULTING ENGINEERS

RECORD OF SUBSURFACE EXPLORATION

BORING C-6 PAGE 1 OF 1

PROJECT NAME Dover Chrome Phase II

SHA PROJECT NO. 44238

SITE LOCATION 2929 Campbell Avenue
Chicago, Illinois

DATE STARTED 4/4/94
DATE COMPLETED 4/4/94
DRILLER CB BORING METHOD HA
GW ENCOUNTERED WHILE DRILLING None
GROUND WATER, AT COMPLETION Dry
GROUND WATER, AFTER -- DAYS --
HOLE CAVED, -- AT --

ELEV.	DESCRIPTION	DEPTH	SAMPLE	N	Qu	Qp	Wc	REMARKS
	Surface							Bore hole backfilled upon completion
	Concrete Slab							
	Brick, SAND, GRAVEL, FILL		1AU					
		1						
	Silty CLAY, little Sand, trace Gravel, brown and black		2AU					
		2						
	End of Boring 2.0'							

SYMBOLS
N: STANDARD PENETRATION, BLOWS/FT.
Qu: UNCONFINED COMPRESSIVE STRENGTH, TONS/SQ. FT.
Wc WATER CONTENT, %
LL: LIQUID LIMIT, %
PI: PLASTICITY INDEX, %
Dd: NATURAL DRY DENSITY, LBS./CU. FT.
Qp: HAND PENETROMETER, TONS/SQ. FT.
GW: GROUND WATER

SAMPLE DESIGNATION
SS— DRIVEN SPLIT SPOON 1 3/8" I.D., 2" O.D.
ST— PRESSED SHELBY TUBE
AU— AUGER SAMPLE
RC— ROCK CORE - NXM

BORING METHOD
HSA—HOLLOW STEM AUGERS
CFA—CONTINUOUS FLIGHT AUGERS
C— CASING
MD— MUD DRILLING

NOTE: The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

SCHLEEDE-HAMPTON ASSOCIATES, INC. • CONSULTING ENGINEERS

RECORD OF SUBSURFACE EXPLORATION

BORING C-7 PAGE 1 OF 1

PROJECT NAME Dover Chrome Phase II

SHA PROJECT NO. 44238

SITE LOCATION 2929 Campbell Avenue
Chicago, Illinois

DATE STARTED 4/4/94

DATE COMPLETED 4/4/94

DRILLER CB BORING METHOD HA

GW ENCOUNTERED WHILE DRILLING None

GROUND WATER, AT COMPLETION Dry

GROUND WATER, AFTER -- DAYS --

HOLE CAVED, -- AT --

ELEV.	DESCRIPTION	DEPTH	SAMPLE	N	Qu	Qp	Wc	REMARKS
	Surface							Bore hole backfilled upon completion
	Concrete Slab							
	SAND, brown, FILL		1AU					
		1						
	Silty CLAY, little Sand, trace Gravel, brown and black		2AU					
		2						
	End of Boring 2.0'							

SYMBOLS

N: STANDARD PENETRATION, BLOWS/FT.
Qu: UNCONFINED COMPRESSIVE STRENGTH, TONS/SQ. FT.
Wc WATER CONTENT, %
LL: LIQUID LIMIT, %
PI: PLASTICITY INDEX, %
Dd: NATURAL DRY DENSITY, LBS./CU. FT.
Qp: HAND PENETROMETER, TONS/SQ. FT.
GW: GROUND WATER

SAMPLE DESIGNATION

SS— DRIVEN SPLIT SPOON 1 3/8" I.D., 2" O.D.
ST— PRESSED SHELBY TUBE
AU— AUGER SAMPLE
RC— ROCK CORE - NXM

BORING METHOD

HSA—HOLLOW STEM AUGERS
CFA—CONTINUOUS FLIGHT AUGERS
C— CASING
MD— MUD DRILLING

NOTE: The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

SCHLEEDE-HAMPTON ASSOCIATES, INC. • CONSULTING ENGINEERS

RECORD OF SUBSURFACE EXPLORATION

BORING C-8 PAGE 1 OF 1

PROJECT NAME Dover Chrome Phase II

SHA PROJECT NO. 44238

SITE LOCATION 2929 Campbell Avenue
Chicago, Illinois

DATE STARTED 4/4/94

DATE COMPLETED 4/4/94

DRILLER C8 BORING METHOD HA

GW ENCOUNTERED WHILE DRILLING None

GROUND WATER, AT COMPLETION Dry

GROUND WATER, AFTER -- DAYS --

HOLE CAVED, -- AT --

ELEV.	DESCRIPTION	DEPTH	SAMPLE	N	Qu	Qp	Wc	REMARKS
	Surface							Bore hole backfilled upon completion
	Concrete Slab							
	SAND and GRAVEL, brown, FILL		1AU					
		1						
	SAND and GRAVEL and Silty CLAY, brown and black, FILL		2AU					
		2						
	End of Boring 2.0'							

SYMBOLS

N: STANDARD PENETRATION, BLOWS/FT.
Qu: UNCONFINED COMPRESSIVE STRENGTH, TONS/SQ. FT.
Wc WATER CONTENT, %
LL: LIQUID LIMIT, %
PI: PLASTICITY INDEX, %
Dd: NATURAL DRY DENSITY, LBS./CU. FT.
Qp: HAND PENETROMETER, TONS/SQ. FT.
GW: GROUND WATER

SAMPLE DESIGNATION

SS— DRIVEN SPLIT SPOON 1 3/8" I.D., 2" O.D.
ST— PRESSED SHELBY TUBE
AU— AUGER SAMPLE
RC— ROCK CORE - NXM

BORING METHOD

HSA—HOLLOW STEM AUGERS
CFA—CONTINUOUS FLIGHT AUGERS
C— CASING
MD— MUD DRILLING

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SCHLEEDE-HAMPTON ASSOCIATES, INC. • CONSULTING ENGINEERS

RECORD OF SUBSURFACE EXPLORATION

BORING G-1 PAGE 1 OF 1

PROJECT NAME Dover Chrome Phase II

SHA PROJECT NO. 44238

SITE LOCATION 2929 Campbell Avenue
Chicago, Illinois

DATE STARTED 4/4/94
DATE COMPLETED 4/4/94
DRILLER CB BORING METHOD HA
GW ENCOUNTERED WHILE DRILLING None
GROUND WATER, AT COMPLETION Dry
GROUND WATER, AFTER -- DAYS --
HOLE CAVED, -- AT --

ELEV.	DESCRIPTION	DEPTH	SAMPLE	N	Qu	Qp	Wc	REMARKS
	Surface							Bore hole backfilled upon completion
	Asphalt Pavement							
	SAND and GRAVEL and Cinder FILL							
			1AU					
	Cinder and Brick FILL	1						
			2AU					
	End of Boring 18" Auger Refusal							

SYMBOLS
N: STANDARD PENETRATION, BLOWS/FT.
Qu: UNCONFINED COMPRESSIVE STRENGTH, TONS/SQ. FT.
Wc WATER CONTENT, %
LL: LIQUID LIMIT, %
PI: PLASTICITY INDEX, %
Dd: NATURAL DRY DENSITY, LBS./CU. FT.
Qp: HAND PENETROMETER, TONS/SQ. FT.
GW: GROUND WATER

SAMPLE DESIGNATION
SS— DRIVEN SPLIT SPOON 1 3/8" I.D., 2" O.D.
ST— PRESSED SHELBY TUBE
AU— AUGER SAMPLE
RC— ROCK CORE - NXM
BORING METHOD
HSA—HOLLOW STEM AUGERS
CFA—CONTINUOUS FLIGHT AUGERS
C— CASING
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SCHLEEDE-HAMPTON ASSOCIATES, INC. • CONSULTING ENGINEERS

RECORD OF SUBSURFACE EXPLORATION

BORING G-2 PAGE 1 OF 1

PROJECT NAME Dover Chrome Phase II

SHA PROJECT NO. 44238

SITE LOCATION 2929 Campbell Avenue
Chicago, Illinois

DATE STARTED 4/4/94

DATE COMPLETED 4/4/94

DRILLER CB BORING METHOD HA

GW ENCOUNTERED WHILE DRILLING None

GROUND WATER, AT COMPLETION Dry

GROUND WATER, AFTER -- DAYS --

HOLE CAVED, -- AT --

ELEV.	DESCRIPTION	DEPTH	SAMPLE	N	Qu	Qp	Wc	REMARKS
	Surface							Bore hole backfilled upon completion
	Asphalt Pavement							
	Brick and Cinder FILL		1AU					
	SAND and GRAVEL, brown, FILL	1						
	Silty CLAY, little Sand, trace Gravel, brown and black		2AU					
	End of Boring 2.0'	2						

SYMBOLS
N: STANDARD PENETRATION, BLOWS/FT.
Qu: UNCONFINED COMPRESSIVE STRENGTH, TONS/SQ. FT.
Wc WATER CONTENT, %
LL: LIQUID LIMIT, %
PI: PLASTICITY INDEX, %
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Qp: HAND PENETROMETER, TONS/SQ. FT.
GW: GROUND WATER

SAMPLE DESIGNATION
SS— DRIVEN SPLIT SPOON 1 3/8" I.D., 2" O.D.
ST— PRESSED SHELBY TUBE
AU— AUGER SAMPLE
RC— ROCK CORE - NXM

BORING METHOD
HSA—HOLLOW STEM AUGERS
CFA—CONTINUOUS FLIGHT AUGERS
C— CASING
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SCHLEEDE-HAMPTON ASSOCIATES, INC. • CONSULTING ENGINEERS

RECORD OF SUBSURFACE EXPLORATION

BORING G-3 PAGE 1 OF 1

PROJECT NAME Dover Chrome Phase II

SHA PROJECT NO. 44238

SITE LOCATION 2929 Campbell Avenue
Chicago, Illinois

DATE STARTED 4/4/94

DATE COMPLETED 4/4/94

DRILLER CB BORING METHOD HA

GW ENCOUNTERED WHILE DRILLING None

GROUND WATER, AT COMPLETION Dry

GROUND WATER, AFTER -- DAYS --

HOLE CAVED, -- AT --

ELEV.	DESCRIPTION	DEPTH	SAMPLE	N	Qu	Qp	Wc	REMARKS
	Surface							Bore hole backfilled upon completion
	SAND and GRAVEL and Brick FILL		1AU					
	SAND and GRAVEL, Concrete chunks, and Brick FILL	1	2AU					
	End of Boring 2.0'	2						

SYMBOLS

N: STANDARD PENETRATION, BLOWS/FT.
Qu: UNCONFINED COMPRESSIVE STRENGTH, TONS/SQ. FT.
Wc WATER CONTENT, %
LL: LIQUID LIMIT, %
PI: PLASTICITY INDEX, %
Dd: NATURAL DRY DENSITY, LBS./CU. FT.
Qp: HAND PENETROMETER, TONS/SQ. FT.
GW: GROUND WATER

SAMPLE DESIGNATION

SS— DRIVEN SPLIT SPOON 1 3/8" I.D., 2" O.D.
ST— PRESSED SHELBY TUBE
AU— AUGER SAMPLE
RC— ROCK CORE - NXM

BORING METHOD

HSA—HOLLOW STEM AUGERS
CFA—CONTINUOUS FLIGHT AUGERS
C— CASING
MD— MUD DRILLING

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SCHLEEDE-HAMPTON ASSOCIATES, INC. • CONSULTING ENGINEERS

RECORD OF SUBSURFACE EXPLORATION

BORING G-4 PAGE 1 OF 1

PROJECT NAME Dover Chrome Phase II

SHA PROJECT NO. 44238

SITE LOCATION 2929 Campbell Avenue
Chicago, Illinois

DATE STARTED 4/4/94

DATE COMPLETED 4/4/94

DRILLER CB BORING METHOD HA

GW ENCOUNTERED WHILE DRILLING None

GROUND WATER, AT COMPLETION Dry

GROUND WATER, AFTER -- DAYS --

HOLE CAVED, -- AT --

ELEV.	DESCRIPTION	DEPTH	SAMPLE	N	Qu	Qp	Wc	REMARKS
	Surface							Bore hole backfilled upon completion
	Crushed Limestone GRAVEL and SAND FILL		1AU					
		1						
	Crushed Limestone GRAVEL, SAND, and Silty CLAY FILL		2AU					
	End of Boring 2.0'	2						

SYMBOLS

N: STANDARD PENETRATION, BLOWS/FT.
Qu: UNCONFINED COMPRESSIVE STRENGTH, TONS/SQ. FT.
Wc WATER CONTENT, %
LL: LIQUID LIMIT, %
PI: PLASTICITY INDEX, %
Dd: NATURAL DRY DENSITY, LBS./CU. FT.
Qp: HAND PENETROMETER, TONS/SQ. FT.
GW: GROUND WATER

SAMPLE DESIGNATION

SS— DRIVEN SPLIT SPOON 1 3/8" I.D., 2" O.D.
ST— PRESSED SHELBY TUBE
AU— AUGER SAMPLE
RC— ROCK CORE - NXM

BORING METHOD

HSA—HOLLOW STEM AUGERS
CFA—CONTINUOUS FLIGHT AUGERS
C— CASING
MD— MUD DRILLING

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SCHLEEDE-HAMPTON ASSOCIATES, INC. • CONSULTING ENGINEERS

RECORD OF SUBSURFACE EXPLORATION

BORING G-5 PAGE 1 OF 1

PROJECT NAME Dover Chrome Phase II

SHA PROJECT NO. 44238

SITE LOCATION 2929 Campbell Avenue
Chicago, Illinois

DATE STARTED 4/4/94

DATE COMPLETED 4/4/94

DRILLER CB BORING METHOD HA

GW ENCOUNTERED WHILE DRILLING None

GROUND WATER, AT COMPLETION Dry

GROUND WATER, AFTER -- DAYS --

HOLE CAVED, -- AT --

ELEV.	DESCRIPTION	DEPTH	SAMPLE	N	Qu	Qp	Wc	REMARKS
	Surface							Bore hole backfilled upon completion
	SAND, GRAVEL, Roots, FILL							
			1AU					
		1						
	SAND, GRAVEL, Silty CLAY, FILL							
			2AU					
	End of Boring 2.0'	2						

SYMBOLS

N: STANDARD PENETRATION, BLOWS/FT.
Qu: UNCONFINED COMPRESSIVE STRENGTH, TONS/SQ. FT.
Wc WATER CONTENT, %
LL: LIQUID LIMIT, %
PI: PLASTICITY INDEX, %
Dd: NATURAL DRY DENSITY, LBS/CU. FT.
Qp: HAND PENETROMETER, TONS/SQ. FT.
GW: GROUND WATER

SAMPLE DESIGNATION

SS— DRIVEN SPLIT SPOON 1 3/8" I.D., 2" O.D.
ST— PRESSED SHELBY TUBE
AU— AUGER SAMPLE
RC— ROCK CORE - NXM

BORING METHOD

HSA—HOLLOW STEM AUGERS
CFA—CONTINUOUS FLIGHT AUGERS
C— CASING
MD— MUD DRILLING

NOTE: The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

SCHLEEDE-HAMPTON ASSOCIATES, INC. • CONSULTING ENGINEERS

RECORD OF SUBSURFACE EXPLORATION

BORING G-6 PAGE 1 OF 1

PROJECT NAME Dover Chrome Phase II

SHA PROJECT NO. 44238

SITE LOCATION 2929 Campbell Avenue
Chicago, Illinois

DATE STARTED 4/4/94

DATE COMPLETED 4/4/94

DRILLER CB BORING METHOD HA

GW ENCOUNTERED WHILE DRILLING None

GROUND WATER, AT COMPLETION Dry

GROUND WATER, AFTER -- DAYS --

HOLE CAVED, -- AT --

ELEV.	DESCRIPTION	DEPTH	SAMPLE	N	Qu	Qp	Wc	REMARKS
	Surface							Bore hole backfilled upon completion
	SAND, GRAVEL, Brick, Glass, FILL							
			1AU					
		1						
	SAND, GRAVEL, Cinders, Silty CLAY, FILL							
			2AU					
	End of Boring 2.0'	2						

SYMBOLS
N: STANDARD PENETRATION, BLOWS/FT.
Qu: UNCONFINED COMPRESSIVE STRENGTH, TONS/SQ. FT.
Wc WATER CONTENT, %
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Qp: HAND PENETROMETER, TONS/SQ. FT.
GW: GROUND WATER

SAMPLE DESIGNATION
SS— DRIVEN SPLIT SPOON 1 3/8" I.D., 2" O.D.
ST— PRESSED SHELBY TUBE
AU— AUGER SAMPLE
RC— ROCK CORE - NXM

BORING METHOD
HSA—HOLLOW STEM AUGERS
CFA—CONTINUOUS FLIGHT AUGERS
C— CASING
MD— MUD DRILLING

NOTE: The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

SCHLEEDE-HAMPTON ASSOCIATES, INC. • CONSULTING ENGINEERS

RECORD OF SUBSURFACE EXPLORATION

BORING G-7 PAGE 1 OF 1

PROJECT NAME Dover Chrome Phase II

SHA PROJECT NO. 44238

SITE LOCATION 2929 Campbell Avenue
Chicago, Illinois

DATE STARTED 4/4/94
DATE COMPLETED 4/4/94
DRILLER CB BORING METHOD HA
GW ENCOUNTERED WHILE DRILLING None
GROUND WATER, AT COMPLETION Dry
GROUND WATER, AFTER -- DAYS --
HOLE CAVED, -- AT --

ELEV.	DESCRIPTION	DEPTH	SAMPLE	N	Qu	Qp	Wc	REMARKS
	Surface							Bore hole backfilled upon completion
	SAND, GRAVEL, Glass, Brick, FILL							
			1AU					
		1						
			2AU					
	End of Boring 2.0'	2						

SYMBOLS
N: STANDARD PENETRATION, BLOWS/FT.
Qu: UNCONFINED COMPRESSIVE STRENGTH, TONS/SQ. FT.
Wc WATER CONTENT, %
LL: LIQUID LIMIT, %
PI: PLASTICITY INDEX, %
Od: NATURAL DRY DENSITY, LBS./CU. FT.
Qp: HAND PENETROMETER, TONS/SQ. FT.
GW: GROUND WATER

SAMPLE DESIGNATION
SS— ORIVEN SPLIT SPOON 1 3/8" I.D., 2" O.D.
ST— PRESSED SHELBY TUBE
AU— AUGER SAMPLE
RC— ROCK CORE - NXM

BORING METHOD
HSA—HOLLOW STEM AUGERS
CFA—CONTINUOUS FLIGHT AUGERS
C— CASING
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NOTE: The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

SCHLEEDE-HAMPTON ASSOCIATES, INC. °CONSULTING ENGINEERS

*CIVIL * GEOTECHNICAL * ENVIRONMENTAL * CONSTRUCTION MATERIALS*

1612 LANDMEIER RD. * SUITE B * ELK GROVE VILLAGE, ILLINOIS 60007 * PHONE 708/228-1079

CHAIN OF CUSTODY AND SAMPLE INVENTORY RECORD

CLIENT George Noble

SAMPLER(S) Charlie Bremner

PROJECT Dover Chrome p. 1 of 3

BORING NO.	SAMPLE NO.	DEPTH FT.	TYPE OF MATERIAL	DATE	TIME	NO. OF CONTAIN	TYPE OF CONTAIN	CLEAN	DIRTY	UNSURE	REMARKS	TESTS REQUIRED
C-7	S-1	6"-12"	SAND	4/4/94	8:30	1	1 pt Amber			✓		
C-7	S-2	18"-24"	S.CLAY	"	8:40	1	"			✓		
G-4	S-1	6"-12"	SA:GR	"	8:55	1	"			✓		
G-4	S-2	18"-24"	FILL	"	9:05	1	"			✓		
C-8	S-1	6"-12"	SA:GR	"	9:10	1	"			✓		
C-8	S-2	18"-24"	FILL	"	9:15	1	"			✓		
G-3	S-1	6"-12"	SA:GR	"	9:20	1	"			✓		
G-3	S-2	18"-24"	FILL	"	9:35	1	"			✓		
C-1	S-1	6"-12"	SA:GR	"	9:40	1	"			✓		
C-1	S-2	18"-24"	SA:GR		9:50	1	"			✓		
G-7	S-1	6"-12"	SA:GR		10:00	1	"			✓		

Relinquished By	Received By	Date	Time
Charlie Bremner	g O'Neill	4-4-94	1238

Shipping Notes	Received

SCHLEEDE-HAMPTON ASSOCIATES, INC. *CONSULTING ENGINEERS

*CIVIL * GEOTECHNICAL * ENVIRONMENTAL * CONSTRUCTION MATERIALS*

1601 N. BOND STREET * SUITE 106 * NAPERVILLE, ILLINOIS 60563 * PHONE 708/369-0710

CHAIN OF CUSTODY AND SAMPLE INVENTORY RECORD

CLIENT: George Noble

ADDRESS: Charlie Brewery

PROJECT: Downer Chicago p.2 of 3

	SAMPLE NO	DEPTH FT.	TYPE OF MATERIAL	DATE	TIME	NO. OF CONTAIN	TYPE OF CONTAIN	CLEAN	DIRTY	UNSURE	REMARKS	TESTS REQUIRED
G-7	S-2	18-24	SAND	4/4/94	10:05	1	1 gal Poly			✓		
G-6	S-1	6"-12"	SAND	"	10:10	1	"			✓		
G-6	S-2	18"-24"	FILL	"	10:15	1	"			✓		
G-5	S-1	6"-12"	SAND	"	10:20	1	"			✓		
G-5	S-2	18"-24"	FILL	"	10:25	1	"			✓		
G-2	S-1	6"-12"	FILL	"	10:30	1	"			✓		
G-2	S-2	18-24"	FILL	"	10:35	1	"			✓		
G-3	S-1	6"-12"	FILL	"	10:40	1	"			✓		
G-3	S-2	18-24	SAND	"	10:45	1	"			✓		
G-4	S-1	6"-12"	SAND	"	10:50	1	"			✓		
G-10	G-4	S-2 - HIT STORM SEWER										

Relinquished By	Received By	Date	Time
Charlie Brewer	G. O'Neill	4-4-94	1238

ing Notes	Received		

SCHLEEDE-HAMPTON ASSOCIATES, INC. •CONSULTING ENGINEERS

*CIVIL * GEOTECHNICAL * ENVIRONMENTAL * CONSTRUCTION MATERIALS*

1601 N. BOND STREET * SUITE 106 * NAPERVILLE, ILLINOIS 60563 * PHONE 708/369-0710

CHAIN OF CUSTODY AND SAMPLE INVENTORY RECORD

FIRM: George Noble

PROJECT: Dover Chrome p 3 of 3

SAMPLER(S): Charlie Bremner

BORING NO.	SAMPLE NO.	DEPTH FT.	TYPE OF MATERIAL	DATE	TIME	NO. OF CONTAIN	TYPE OF CONTAIN	CLEAN	DIRTY	UNSURE	REMARKS	TESTS REQUIRED
G-1	S-1	6"-12"	Sa. Gr.	4/4/94	10:55	1	1 pt Amber			✓		
G-1	S-2	12"-18"	Fill	"	11:05	1	"			✓	Refusal @ 18" could not get to 2'-1"	
G-2	S-1	6"-12"	Fill	"	11:15	1	"			✓		
G-2	S-2	18"-24"	Fill	"	11:30	1	"			✓		
G-5	S-1	12"-18"	Fill	"	11:40	1				✓	Bricks to 12"	
G-5	S-2	18"-24"	Fill	"	11:50	1	"			✓		
G-6	S-1	6"-12"	Fill	"	12:00	1	"			✓		
G-6	S-2	18"-24"	Sa Clay	"	12:10	1	"			✓		

Relinquished By	Received By	Date	Time
Charlie Bremner	G. O'Neill	4-4-94	1238

Shipping Notes

Received

Exhibit B

RESULTS OF SOIL ANALYSIS

LOCATION	DEPTH (Ft.)	PH	TCLP METALS	
			PARAMETERS	(ppm)
C1	2" - 12"	9.1	Chromium	0.08
			Copper	0.07
			Lead	<0.01
			Nickel	0.06
			Zinc	0.35
C1	18" - 24"	8.77	Chromium	0.14
			Copper	0.10
			Lead	0.12
			Nickel	0.10
			Zinc	0.85
C2	6" - 12"	8.23	Chromium	0.13
			Copper	0.29
			Lead	2.19
			Nickel	0.33
			Zinc	1.20
C2	18" - 24"	7.76	Chromium	BDL
			Copper	BDL
			Lead	<0.1
			Nickel	BVL
			Zinc	0.63
C3	6" - 12"	7.59	Chromium	BDL
			Copper	0.10
			Lead	<0.1
			Nickel	0.09
			Zinc	1.29
C3	18" - 24"	7.50	Chromium	BDL
			Copper	BDL
			Lead	<0.1
			Nickel	0.06
			Zinc	0.45
C4	6" - 12"	8.54	Chromium	0.13
			Copper	0.14
			Lead	0.23
			Nickel	0.62
			Zinc	2.34
C4	18"	Hit Sewer		

*Below Detection Levels

RESULTS OF SOIL ANALYSIS

LOCATION	DEPTH (Ft.)	PH	TCLP METALS	
			PARAMETERS	(ppm)
C5	12" - 18"	8.03	Chromium	0.05
			Copper	BDL
			Lead	0.37
			Nickel	0.09
			Zinc	0.41
C5	18" - 24"	7.49	Chromium	BDL
			Copper	BDL
			Lead	<0.1
			Nickel	BDL
			Zinc	0.03
C6	6" - 12"	7.74	Chromium	0.36
			Copper	0.30
			Lead	0.73
			Nickel	2.99
			Zinc	3.13
C6	18" - 24"	7.85	Chromium	0.07
			Copper	BDL
			Lead	<0.1
			Nickel	0.07
			Zinc	0.52
C7	6" - 12"	7.55	Chromium	0.29
			Copper	2.65
			Lead	1.13
			Nickel	3.66
			Zinc	11.5
C7	18" - 24"	7.64	Chromium	BDL
			Copper	BDL
			Lead	<0.1
			Nickel	1.43
			Zinc	0.54
C8	6" - 12"	6.95	Chromium	0.16
			Copper	1.63
			Lead	0.58
			Nickel	1.22
			Zinc	2.05
C8	12" - 18"	7.18	Chromium	0.10
			Copper	0.09
			Lead	0.14
			Nickel	0.47
			Zinc	2.53

*Below Detection Levels

RESULTS OF SOIL ANALYSIS

LOCATION	DEPTH (Ft.)	PH	TCLP METALS	
			PARAMETERS	(ppm)
G1	6" - 12"	8.36	Chromium	0.08
			Copper	0.21
			Lead	2.01
			Nickel	0.34
			Zinc	1.44
G1	12" - 18"	8.14	Chromium	0.41
			Copper	1.40
			Lead	6.44
			Nickel	0.40
			Zinc	15.5
G2	6" - 12"	8.31	Chromium	0.05
			Copper	0.68
			Lead	1.33
			Nickel	0.80
			Zinc	6.36
G2	18" - 24"	8.09	Chromium	BDL
			Copper	BDL
			Lead	<0.1
			Nickel	BDL
			Zinc	2.27
G3	6" - 12"	8.26	Chromium	0.12
			Copper	0.11
			Lead	0.33
			Nickel	0.16
			Zinc	1.54
G3	18" - 24"	10.1	Chromium	0.08
			Copper	0.08
			Lead	<0.1
			Nickel	0.42
			Zinc	0.78
G4	6" - 12"	9.23	Chromium	0.27
			Copper	0.24
			Lead	6.20
			Nickel	0.46
			Zinc	2.25
G4	18" - 24"	7.85	Chromium	0.23
			Copper	0.08
			Lead	<0.1
			Nickel	BDL
			Zinc	1.51

*Below Detection Levels

RESULTS OF SOIL ANALYSIS

LOCATION	DEPTH (Ft.)	PH	TCLP METALS	
			PARAMETERS	(ppm)
G5	6" - 12"	7.61	Chromium	0.07
			Copper	0.14
			Lead	0.16
			Nickel	0.06
			Zinc	4.02
G5	24" - 30"	7.46	Chromium	0.12
			Copper	0.18
			Lead	0.40
			Nickel	0.07
			Zinc	8.59
G6	6" - 12"	8.14	Chromium	0.11
			Copper	2.44
			Lead	2.81
			Nickel	0.24
			Zinc	21.2
G6	24" - 30"	7.83	Chromium	0.07
			Copper	0.62
			Lead	0.93
			Nickel	0.30
			Zinc	45.1
BG7	6" - 12"	8.05	Chromium	0.05
			Copper	0.15
			Lead	0.21
			Nickel	BDL
			Zinc	11.6
G7	24" - 30"	7.94	Chromium	0.06
			Copper	0.20
			Lead	0.41
			Nickel	0.06
			Zinc	9.10

*Below Detection Levels

Detection Levels are as follows:

TCLP Chromium	0.05 ppm
TCLP Copper	0.05 ppm
TCLP Lead	0.005 ppm
TCLP Nickel	0.05 ppm
TCLP Zinc	0.1 ppm

Exhibit C

100% Recycled Fiber

TEI ANALYTICAL, INC.

7177 NORTH AUSTIN • NILES, ILLINOIS • 60648 • 708/647-1345

LABORATORY REPORT

Noble & Associates, Inc.
Westmoreland Building
Old Orchard Road
Skokie, IL 60077

ATTN: George Noble

REPORT#: 00001976
REPORT DATE: 04/26/1994

CUST PO#: Dover Chrome

SAMPLE RECEIVED:04/04/1994 12:37

	TESTED 04/08/94 TEI# 00003828 C-1 S-1	TESTED 04/08/94 TEI# 00003829 C-1 S-2	TESTED 04/08/94 TEI# 00003830 C-2 S-1	TESTED 04/08/94 TEI# 00003831 C-2 S-2
pH (9045)	9.10	8.77	8.23	7.76
TCLP(1311)				
Chromium (6010)	0.08	0.14	0.13	<0.05
Copper (6010)	0.07	0.10	0.29	<0.05
Lead (7420)	<0.1	0.12	2.19	<0.1
Nickel (6010)	0.06	0.10	0.33	<0.05
Zinc (6010)	0.35	0.85	1.20	0.63

Project: Dover Chrome

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Gayle E. O' Neill, Ph.D.

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LABORATORY REPORT

Noble & Associates, Inc.
Westmoreland Building
Old Orchard Road
Skokie, IL 60077

ATTN: George Noble

REPORT#: 00001976
REPORT DATE: 04/26/1994

CUST PO#: Dover Chrome

SAMPLE RECEIVED:04/04/1994 12:37

	TESTED 04/08/94 TEI# 00003832 C-3 S-1	TESTED 04/08/94 TEI# 00003833 C-3 S-2	TESTED 04/11/94 TEI# 00003834 C-4 S-1	TESTED 04/11/94 TEI# 00003835 C-5 S-1
pH (9045)	7.59	7.50	8.54	8.03
TCLP(1311)				
Chromium (6010)	<0.05	<0.05	0.13	0.05
Copper (6010)	0.10	<0.05	0.14	<0.05
Lead (7420)	<0.1	<0.1	0.23	0.37
Nickel (6010)	0.09	0.06	0.62	0.09
Zinc (6010)	1.29	0.45	2.34	0.41

Project: Dover Chrome

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G. E. O'Neill

Gayle E. O' Neill, Ph.D.

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REPORT#: 00001976
REPORT DATE: 04/26/1994

CUST PO#: Dover Chrome

SAMPLE RECEIVED:04/04/1994 12:37

	TESTED 04/12/94 TEI# 00003836 C-5 S-2	TESTED 04/12/94 TEI# 00003837 C-6 S-1	TESTED 04/12/94 TEI# 00003838 C-6 S-2	TESTED 04/12/94 TEI# 00003839 C-7 S-1
pH (9045)	7.49	7.74	7.85	7.55
TCLP(1311)				
Chromium (6010)	<0.05	0.34	0.07	0.29
Copper (6010)	<0.05	0.30	<0.05	2.65
Lead (7420)	<0.1	0.73	<0.1	1.13
Nickel (6010)	<0.05	2.99	0.07	3.66
Zinc (6010)	0.63	3.13	0.52	11.5

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SAMPLE RECEIVED:04/04/1994 12:37

	TESTED 04/12/94 TEI# 00003840 C-7 S-2	TESTED 04/12/94 TEI# 00003841 C-8 S-1	TESTED 04/12/94 TEI# 00003842 C-8 S-2	TESTED 04/12/94 TEI# 00003843 G-1 S-1
pH (9045)	7.64	6.95	7.18	8.36
TCLP(1311)				
Chromium (6010)	<0.05	0.16	0.10	0.08
Copper (6010)	<0.05	1.63	0.09	0.21
Lead (7420)	<0.1	0.58	0.14	2.01
Nickel (6010)	1.43	1.22	0.47	0.34
Zinc (6010)	0.54	2.05	2.53	1.44

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REPORT#: 00001976
REPORT DATE: 04/26/1994

CUST PO#: Dover Chrome

SAMPLE RECEIVED:04/04/1994 12:37

	TESTED 04/12/94 TEI# 00003844 G-1 S-2	TESTED 04/12/94 TEI# 00003845 G-2 S-1	TESTED 04/12/94 TEI# 00003846 G-2 S-2	TESTED 04/12/94 TEI# 00003847 G-3 S-1
pH (9045)	8.14	8.31	8.09	8.26
TCLP(1311)				
Chromium (6010)	0.41	0.05	<0.05	0.12
Copper (6010)	1.40	0.68	<0.05	0.11
Lead (7420)	6.44	1.33	<0.1	0.33
Nickel (6010)	0.40	0.80	<0.05	0.16
Zinc (6010)	15.5	6.36	2.27	1.54

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Old Orchard Road
Skokie, IL 60077

ATTN: George Noble

REPORT#: 00001976
REPORT DATE: 04/26/1994

CUST PO#: Dover Chrome

SAMPLE RECEIVED:04/04/1994 12:37

	TESTED 04/12/94 TEI# 00003848 G-3 S-2	TESTED 04/12/94 TEI# 00003849 G-4 S-1	TESTED 04/12/94 TEI# 00003850 G-4 S-2	TESTED 04/12/94 TEI# 00003851 G-5 S-1
pH (9045)	10.1	9.23	7.85	7.61
TCLP(1311)				
Chromium (6010)	0.08	0.27	0.23	0.07
Copper (6010)	0.08	0.24	0.08	0.14
Lead (7420)	<0.1	6.20	<0.1	0.16
Nickel (6010)	0.42	0.46	<0.05	0.06
Zinc (6010)	0.78	2.25	1.51	4.02

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Skokie, IL 60077

ATTN: George Noble

REPORT#: 00001976
REPORT DATE: 04/26/1994

CUST PO#: Dover Chrome

SAMPLE RECEIVED:04/04/1994 12:37

	TESTED 04/12/94 TEI# 00003852 G-5 S-2	TESTED 04/13/94 TEI# 00003853 G-6 S-1	TESTED 04/13/94 TEI# 00003854 G-6 S-2	TESTED 04/13/94 TEI# 00003855 G-7 S-1
pH (9045)	7.46	8.14	7.83	8.05
TCLP(1311)				
Chromium (6010)	0.12	0.11	0.07	0.05
Copper (6010)	0.18	2.44	0.62	0.15
Lead (7420)	0.40	2.81	0.93	0.21
Nickel (6010)	0.07	0.24	0.30	<0.05
Zinc (6010)	8.59	21.2	45.1	11.6

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Old Orchard Road
Skokie, IL 60077

ATTN: George Noble

REPORT#: 00001976
REPORT DATE: 04/26/1994

CUST PO#: Dover Chrome

SAMPLE RECEIVED:04/04/1994 12:37

	TESTED 04/13/94 TEI# 00003856 G-7 S-2
pH (9045)	7.94
TCLP(1311)	
Chromium (6010)	0.06
Copper (6010)	0.20
Lead (7420)	0.41
Nickel (6010)	0.06
Zinc (6010)	9.10

Project: Dover Chrome

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