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4098

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File No. (ID#1) 96 108437

(ID#2) _____

Site Address 180th St. S.E. + 27th Pl. S.E.

Date Copied 7/06/01 By Chris

Title page with the following information:

- Company (Author) name*
- Report date*
- Project Name*
- Company's job number*
- Site address*

- Executive Summary / Introduction of the report
- Table of contents
- Project Location Map / Vicinity Map
- Site / Exploration Plans, Boring Location Plans
- Cross-sections / Subsurface profiles
- Exploration Logs
- Monitoring Well Logs
- Cone Penetrometer Logs
- Groundwater Elevation Tables / Data

Includes data from Previous Reports

No new data / data review

Missing Data / Illegible Data
Explanation _____

Comments: _____



NELSON-COUVRETTE & ASSOCIATES, INC.

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October 22, 1996

Mr. Mike Brown
Sundquist Homes
P.O. Box 958
Lynnwood, Washington 98046-0958

Geotechnical Engineering Report
Cardinal Run
Snohomish County, Washington
NCA File No. 188896

Dear Mr. Brown:

INTRODUCTION

This report presents the results of our geotechnical engineering investigation for your proposed Cardinal Run subdivision. The site is located in the 2700 block of 180th Street SE in the Mill Creek area of Snohomish County, as shown on the Site Vicinity Map in Figure 1. You have requested that we specifically address the hydrogeologic conditions of the site and how the new development will impact the existing conditions. A preliminary site plan prepared by Summit Surveying, Inc., dated "as submitted" September 26, 1996, was supplied to us for use in preparing this report.

We understand that the County is concerned about the amount of water that may be collected in perforated pipes around the buildings, and how it will affect the detention pond design storage. Another concern would be the impact that the development may have on the wetlands, if hydrogeologic conditions are changed.

The subdivision will consist of 45 residential lots, with buried utilities and access roadways. The property will be accessed from 81st Place SE on the east and west sides. An existing residence, garage and barn will be removed from the site. Two wetlands, designated by others, exist in the southwest and

SENSITIVE AREA EVALUATION

Seismic Hazard

The Puget Sound region is classified as a Zone 3 by the Uniform Building Code. Seismic considerations for this type of site include liquefaction potential and amplification of ground motions by soft soil deposits. The liquefaction potential is highest for loose sand and silty sand with a high ground water table. Seismically sensitive conditions were not observed in this site.

Landslide Hazard/Slope Stability

The site does not have significant slopes, and therefore landslide hazards are not an issue. In the event that some grading creates steeper conditions, the underlying drift is considered to have a moderately high strength and should perform satisfactorily in standard slope cuts.

Erosion

The on-site soils with the existing grades have a low to moderate potential for erosion. Where the existing vegetation is left in place and water is not concentrated on the surface, the erosion potential is negligible.

CONCLUSIONS AND RECOMMENDATIONS

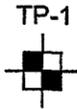
General

The site is considered suitable for the planned development from a geotechnical standpoint. The underlying drift soils in their undisturbed condition will provide good support of the structures and roadways. Some seepage within the upper soil horizon is expected to occur on a sporadic basis across the site, as the permeability and infiltration properties vary within the drift. We recommend that provisions be made to include yard drains, so that if wet areas occur they can be properly drained. A significant amount of the ground water that does occur will be below the bottom of foundation and yard drains, and is expected to continue feeding the wetland, in as much as the current conditions do.

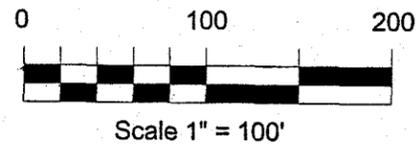
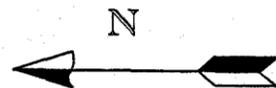
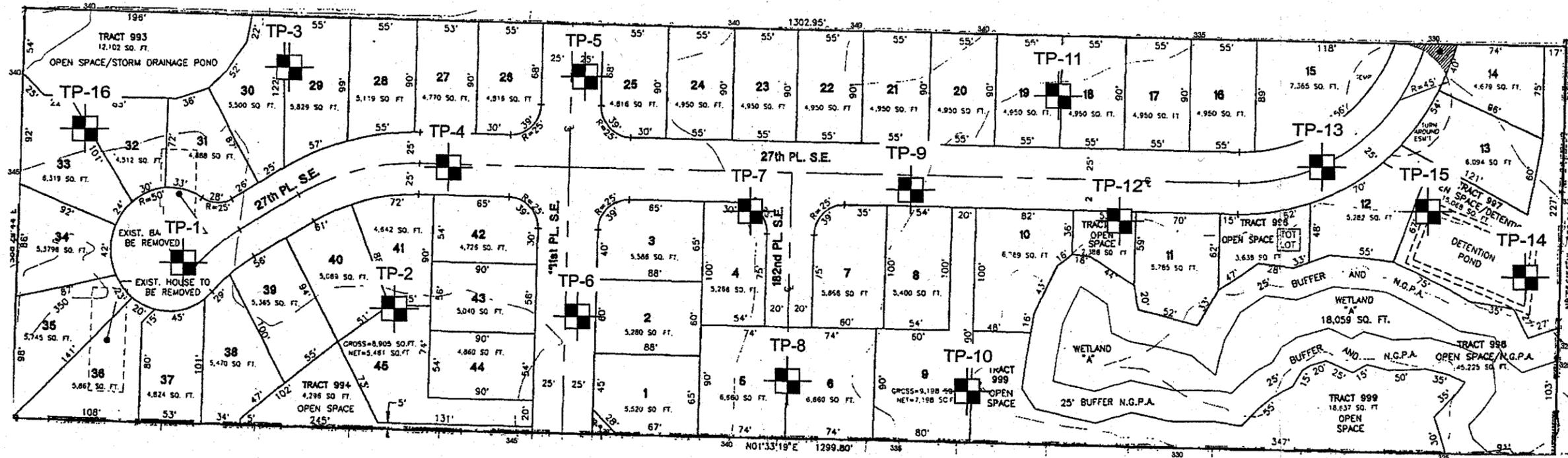
The on-site soils are considered moisture sensitive, that is they will be difficult, if not impossible, to work with when wet. We recommend that earthwork be completed in the drier portions of the year, if possible. Working with wet site conditions could result in additional costs related to construction delays, importing select backfill and the use of rock spalls for access in road and traffic areas.

SITE PLAN

LEGEND



TP-1
NUMBER AND APPROXIMATE
LOCATION OF TEST PIT



RECEIVED
OCT 23 1996
PLANNING & DEVELOPMENT

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Reference: Site Plan taken from "Preliminary Plat of Cardinal Run" by Summit Surveying, Inc., dated 9/24/96.

<p>NELSON-COUVRETTE & ASSOCIATES, INC. CONSULTING GEOTECHNICAL ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS</p>	Cardinal Run	FIGURE 2
	FILE NO. 188896	DATE October 1996

LOG OF EXPLORATION

DEPTH	USC	SOIL DESCRIPTION
TEST PIT ONE		
0.0 - 0.8	SM	DARK BROWN SILTY FINE SAND WITH GRAVEL AND SCATTERED COBBLES (LOOSE TO MEDIUM DENSE, DRY TO MOIST)
0.8 - 3.0	SP-SM	LIGHT BROWN FINE TO MEDIUM SAND WITH GRAVEL, SILT AND SCATTERED COBBLES (MEDIUM DENSE, DRY)
3.0 - 4.0	SM	GRAY SILTY FINE SAND WITH GRAVEL AND SCATTERED COBBLES (MEDIUM DENSE, MOIST) (GLACIAL DRIFT)
4.0 - 4.5	SM	GRAY SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (VERY DENSE, MOIST) (GLACIAL DRIFT WITH TILL-LIKE ASPECTS)
		SAMPLE WAS COLLECTED AT 2.2 FEET GROUND WATER SEEPAGE WAS NOT ENCOUNTERED TEST PIT CAVING WAS NOT ENCOUNTERED TEST PIT WAS COMPLETED AT 4.5 FEET ON 10-12-96
TEST PIT TWO		
0.0 - 0.6	SM	DARK BROWN SILTY FINE SAND WITH GRAVEL AND SCATTERED COBBLES (LOOSE TO MEDIUM DENSE, DRY TO MOIST)
0.6 - 2.5	SP-SM	LIGHT BROWN FINE TO MEDIUM SAND WITH GRAVEL, SILT AND SCATTERED COBBLES (MEDIUM DENSE, DRY)
2.5 - 3.2	SM	GRAY SILTY FINE SAND WITH GRAVEL AND SCATTERED COBBLES (MEDIUM DENSE TO DENSE, MOIST)
3.2 - 8.0	SM	GRAY SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (VERY DENSE, MOIST) (GLACIAL DRIFT WITH TILL-LIKE ASPECTS)
8.0 - 8.8	SM	GRAY, RUST BROWN MOTTLED, SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (DENSE TO VERY DENSE, MOIST) (GLACIAL DRIFT WITH TILL-LIKE ASPECTS)
8.8 - 10.2	SP-SM	GRAY-BROWN FINE TO MEDIUM SAND WITH SILT AND TRACE FINE GRAVEL (DENSE, MOIST) (ADVANCE OUTWASH)
		SAMPLES WERE COLLECTED AT 2.8, 4.5, 8.5, AND 10.2 FEET GROUND WATER SEEPAGE WAS NOT ENCOUNTERED TEST PIT CAVING WAS NOT ENCOUNTERED TEST PIT WAS COMPLETED AT 10.2 FEET ON 10-12-96

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LOG OF EXPLORATION

DEPTH	USC	SOIL DESCRIPTION
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TEST PIT THREE

0.0 - 0.8	SM	BROWN SILTY FINE SAND WITH TRACE GRAVEL AND ROOTS (LOOSE, MOIST)
0.8 - 2.0	SM	ORANGE-BROWN SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (LOOSE TO MEDIUM DENSE, MOIST)
2.0 - 3.0	SM	GRAY, RUST BROWN MOTTLED, SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (MEDIUM DENSE TO DENSE, MOIST) (GLACIAL DRIFT)
3.0 - 6.5	SP-SM	GRAY, RUST BROWN MOTTLED, FINE TO MEDIUM SAND WITH SILT AND TRACE FINE GRAVEL (MEDIUM DENSE, MOIST) (GLACIAL DRIFT)
6.5 - 8.0	SM/SP-SM	GRAY-BROWN SILTY FINE TO MEDIUM SAND WITH TRACE GRAVEL AND SAND SEAMS (DENSE, MOIST) (GLACIAL DRIFT)

SAMPLES WERE COLLECTED AT 2.4, 5.0, AND 8.0 FEET
 GROUND WATER SEEPAGE WAS NOT ENCOUNTERED
 TEST PIT CAVING WAS NOT ENCOUNTERED
 TEST PIT WAS COMPLETED AT 8.0 FEET ON 10-12-96

TEST PIT FOUR

0.0 - 0.3		TOPSOIL
0.3 - 1.5	SM	ORANGE-BROWN SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (LOOSE GRADES TO MEDIUM DENSE, DRY TO MOIST)
1.5 - 3.5	SM	LIGHT GRAY TO LIGHT BROWN SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (MEDIUM DENSE, MOIST)
3.5 - 5.0	SM	GRAY SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (VERY DENSE, MOIST) (GLACIAL DRIFT WITH TILL-LIKE ASPECTS)

SAMPLES WERE NOT COLLECTED
 GROUND WATER SEEPAGE WAS NOT ENCOUNTERED
 TEST PIT CAVING WAS NOT ENCOUNTERED
 TEST PIT WAS COMPLETED AT 5.0 FEET ON 10-12-96

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LOG OF EXPLORATION

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DEPTH	USC	SOIL DESCRIPTION
TEST PIT FIVE		
0.0 - 1.2	SM	DARK BROWN SILTY FINE SAND WITH TRACE GRAVEL AND ROOTS (LOOSE, MOIST TO WET)
1.2 - 3.4	SM	ORANGE-BROWN SILTY FINE SAND WITH GRAVEL, SCATTERED COBBLES AND A BOULDER (LOOSE TO MEDIUM DENSE, MOIST)
3.4 - 5.0	SP-SM	LIGHT GRAY FINE TO MEDIUM SAND WITH SILT AND TRACE GRAVEL (DENSE, MOIST) (GLACIAL DRIFT)
5.0 - 9.0	SM	GRAY SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (VERY DENSE, MOIST) (GLACIAL DRIFT WITH TILL-LIKE ASPECTS)
9.0 - 10.0	SP-SM	GRAY FINE TO MEDIUM SAND WITH SILT AND TRACE FINE GRAVEL (MEDIUM DENSE, MOIST TO WET) (ADVANCE OUTWASH)
10.0 - 13.0	SP	GRAY MEDIUM SAND WITH TRACE SILT AND FINE GRAVEL (MEDIUM DENSE, WET) (ADVANCE OUTWASH)
<p>SAMPLES WERE COLLECTED AT 3.8 AND 12.0 FEET MODERATE GROUND WATER SEEPAGE WAS ENCOUNTERED BELOW 12.5 FEET TEST PIT CAVING WAS NOT ENCOUNTERED TEST PIT WAS COMPLETED AT 13.0 FEET ON 10-12-96</p>		

TEST PIT SIX		
0.0 - 0.7	SM	DARK BROWN SILTY FINE TO MEDIUM SAND WITH GRAVEL (LOOSE, MOIST)
0.7 - 2.0	SP-SM	LIGHT BROWN FINE TO MEDIUM SAND WITH GRAVEL, SILT AND SCATTERED COBBLES (MEDIUM DENSE, DRY)
2.0 - 3.6	SM	GRAY SILTY FINE SAND WITH GRAVEL AND SCATTERED COBBLES (MEDIUM DENSE, MOIST) (GLACIAL DRIFT)
3.6 - 4.5	SM	GRAY SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (VERY DENSE, MOIST) (GLACIAL DRIFT WITH TILL-LIKE ASPECTS)
<p>SAMPLE WAS COLLECTED AT 4.0 FEET GROUND WATER SEEPAGE WAS NOT ENCOUNTERED TEST PIT CAVING WAS NOT ENCOUNTERED TEST PIT WAS COMPLETED AT 4.5 FEET ON 10-12-96</p>		

TEST PIT SEVEN		
0.0 - 0.7	SM	DARK BROWN SILTY FINE TO MEDIUM SAND WITH GRAVEL (LOOSE, MOIST)
0.7 - 1.5	SM	ORANGE-BROWN SILTY FINE SAND WITH TRACE GRAVEL (LOOSE TO MEDIUM DENSE, MOIST)
1.5 - 3.2	SM	TAN-GRAY SILTY FINE SAND WITH TRACE GRAVEL (MEDIUM DENSE TO DENSE, MOIST)
3.2 - 4.6	SM	GRAY SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (VERY DENSE, MOIST) (GLACIAL DRIFT WITH TILL-LIKE ASPECTS)
<p>SAMPLES WERE NOT COLLECTED GROUND WATER SEEPAGE WAS NOT ENCOUNTERED TEST PIT CAVING WAS NOT ENCOUNTERED TEST PIT WAS COMPLETED AT 4.6 FEET ON 10-12-96</p>		

LOG OF EXPLORATION

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DEPTH	USC	SOIL DESCRIPTION
TEST PIT EIGHT		
0.0 - 0.6	SM	DARK BROWN SILTY FINE TO MEDIUM SAND WITH GRAVEL (LOOSE, MOIST)
0.6 - 1.2	SM	ORANGE-BROWN SILTY FINE SAND WITH TRACE GRAVEL (LOOSE TO MEDIUM DENSE, MOIST)
1.2 - 3.2	SM	TAN-GRAY SILTY FINE SAND WITH TRACE GRAVEL (RUST BROWN MOTTLED FROM 2.6 TO 3.2 FEET) (MEDIUM DENSE TO DENSE, MOIST)
3.2 - 5.0	SM	GRAY SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (VERY DENSE, MOIST) (GLACIAL DRIFT WITH TILL-LIKE ASPECTS)
5.0 - 7.0	SP-SM	GRAY FINE TO MEDIUM SAND WITH SILT AND TRACE FINE GRAVEL (MEDIUM DENSE, MOIST) (GLACIAL DRIFT)
7.0 - 13.5	SM/SP-SM	GRAY-BROWN SILTY FINE SAND WITH TRACE GRAVEL INTERBEDDED WITH SAND SEAMS (MEDIUM DENSE TO DENSE, MOIST TO WET) (GLACIAL DRIFT)
<p>SAMPLES WERE COLLECTED AT 6.0 AND 8.0 FEET VERY SLIGHT GROUND WATER SEEPAGE WAS ENCOUNTERED IN A SAND SEAM FROM 12.5 TO 13.0 FEET TEST PIT CAVING WAS NOT ENCOUNTERED TEST PIT WAS COMPLETED AT 13.5 FEET ON 10-12-96</p>		
TEST PIT NINE		
0.0 - 0.6	SM	DARK BROWN SILTY FINE TO MEDIUM SAND WITH GRAVEL (LOOSE, MOIST)
0.6 - 2.0	SM	ORANGE-BROWN SILTY FINE SAND WITH TRACE GRAVEL (LOOSE GRADES TO MEDIUM DENSE, MOIST)
2.0 - 3.2	SM	GRAY SILTY FINE SAND WITH TRACE GRAVEL (SOME RUST BROWN STAINING BELOW 2.7 FEET) (MEDIUM DENSE, MOIST)
3.2 - 5.0	SM	GRAY SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (VERY DENSE, MOIST) (GLACIAL DRIFT WITH TILL-LIKE ASPECTS)
5.0 - 7.0	SM/SP-SM	GRAY SILTY FINE SAND WITH TRACE GRAVEL AND SOME SAND SEAMS (MEDIUM DENSE TO DENSE, MOIST TO WET) (GLACIAL DRIFT)
<p>SAMPLE WAS COLLECTED AT 7.0 FEET GROUND WATER SEEPAGE WAS NOT ENCOUNTERED TEST PIT CAVING WAS NOT ENCOUNTERED TEST PIT WAS COMPLETED AT 7.0 FEET ON 10-12-96</p>		
TEST PIT TEN		
0.0 - 0.2		TOPSOIL
0.2 - 2.0	SM	ORANGE-LIGHT BROWN SILTY FINE SAND WITH TRACE GRAVEL (LOOSE GRADES TO MEDIUM DENSE, MOIST)
2.0 - 9.0	SM	GRAY SILTY FINE SAND WITH TRACE GRAVEL (RUST BROWN MOTTLED FROM 3.0 TO 6.5 FEET) (MEDIUM DENSE, MOIST TO WET) (GLACIAL DRIFT)
<p>SAMPLES WERE COLLECTED AT 4.5 AND 7.0 FEET MODERATE GROUND WATER SEEPAGE WAS ENCOUNTERED BELOW 7.0 FEET SLIGHT TO MODERATE TEST PIT CAVING WAS ENCOUNTERED FROM 2.0 TO 6.5 FEET TEST PIT WAS COMPLETED AT 9.0 FEET ON 10-12-96</p>		

LOG OF EXPLORATION

10-12-96
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DEPTH	USC	SOIL DESCRIPTION
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TEST PIT ELEVEN

0.0 - 0.4		TOPSOIL
0.4 - 1.0	SM	ORANGE-BROWN SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (LOOSE TO MEDIUM DENSE, MOIST)
1.0 - 3.8	SM	TAN-GRAY SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (SAND SEAM FROM 2.5 TO 2.9 FEET) (SOME RUST BROWN MOTTLING FROM 3.2 TO 3.8 FEET) (MEDIUM DENSE, MOIST)
3.8 - 10.0	SM	GRAY SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (VERY DENSE, MOIST) (GLACIAL DRIFT WITH TILL-LIKE ASPECTS)
		SAMPLES WERE NOT COLLECTED GROUND WATER SEEPAGE WAS NOT ENCOUNTERED TEST PIT CAVING WAS NOT ENCOUNTERED TEST PIT WAS COMPLETED AT 10.0 FEET ON 10-12-96

TEST PIT TWELVE

0.0 - 0.4		TOPSOIL
0.4 - 2.0	SM	ORANGE-BROWN SILTY FINE SAND WITH TRACE GRAVEL (LOOSE TO MEDIUM DENSE, MOIST)
2.0 - 4.0	SM	GRAY, RUST BROWN MOTTLED, SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (MEDIUM DENSE, MOIST)
4.0 - 4.6	SM	GRAY, SLIGHTLY MOTTLED, SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (VERY DENSE, MOIST) (GLACIAL DRIFT WITH TILL-LIKE ASPECTS)
		SAMPLE WAS COLLECTED AT 4.6 FEET GROUND WATER SEEPAGE WAS NOT ENCOUNTERED TEST PIT CAVING WAS NOT ENCOUNTERED TEST PIT WAS COMPLETED AT 4.6 FEET ON 10-12-96

TEST PIT THIRTEEN

0.0 - 0.5		TOPSOIL
0.5 - 2.3	SM	ORANGE-BROWN SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (LOOSE GRADES TO MEDIUM DENSE, MOIST)
2.3 - 3.5	SM	TAN-GRAY GRADES TO GRAY, SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (MEDIUM DENSE, MOIST)
3.5 - 8.0	SM	GRAY SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (VERY DENSE, MOIST) (GLACIAL DRIFT WITH TILL-LIKE ASPECTS)
8.0 - 11.5	SM/SP-SM	GRAY SILTY FINE SAND WITH TRACE GRAVEL AND SAND SEAMS (DENSE, MOIST TO WET) (GLACIAL DRIFT)
		SAMPLE WAS COLLECTED AT 9.0 FEET SLIGHT TO MODERATE GROUND WATER SEEPAGE WAS ENCOUNTERED BELOW 10.0 FEET TEST PIT CAVING WAS NOT ENCOUNTERED TEST PIT WAS COMPLETED AT 11.5 FEET ON 10-12-96

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LOG OF EXPLORATION

DEPTH	USC	SOIL DESCRIPTION
TEST PIT FOURTEEN		
0.0 - 0.3		TOPSOIL
0.3 - 2.2	SP-SM	TAN-GRAY FINE TO MEDIUM SAND WITH SILT AND GRAVEL (LOOSE GRADES TO MEDIUM DENSE, DRY TO MOIST)
2.2 - 3.0	SM	GRAY SILTY FINE TO MEDIUM SAND WITH TRACE GRAVEL (MEDIUM DENSE TO DENSE, MOIST)
3.0 - 5.2	SM	GRAY SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (VERY DENSE, MOIST) (GLACIAL DRIFT WITH TILL-LIKE ASPECTS)
5.2 - 9.0	SM/SP-SM	GRAY SILTY FINE TO MEDIUM SAND WITH TRACE GRAVEL AND SAND SEAMS (DENSE, MOIST TO WET) (GLACIAL DRIFT)
9.0 - 10.0	SM	GRAY SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (VERY DENSE, MOIST) (GLACIAL DRIFT WITH TILL-LIKE ASPECTS)
		SAMPLE WAS COLLECTED AT 6.0 FEET MODERATE GROUND WATER SEEPAGE WAS ENCOUNTERED BELOW 8.5 FEET TEST PIT CAVING WAS NOT ENCOUNTERED TEST PIT WAS COMPLETED AT 10.0 FEET ON 10-12-96

TEST PIT FIFTEEN		
0.0 - 0.3		TOPSOIL
0.3 - 1.2	SM	ORANGE-BROWN SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (LOOSE TO MEDIUM DENSE, MOIST)
1.2 - 3.0	SM	TAN SILTY FINE SAND WITH TRACE GRAVEL (MEDIUM DENSE, DRY TO MOIST)
3.0 - 5.0	SM	GRAY SILTY FINE SAND WITH TRACE GRAVEL AND SCATTERED COBBLES (VERY DENSE, MOIST) (GLACIAL DRIFT WITH TILL-LIKE ASPECTS)
5.0 - 6.0	SP	GRAY-BROWN FINE TO MEDIUM SAND WITH TRACE SILT (MEDIUM DENSE, MOIST) (GLACIAL DRIFT)
6.0 - 11.5	SM/SP-SM	GRAY SILTY FINE TO MEDIUM SAND WITH TRACE GRAVEL AND SAND SEAMS (DENSE, MOIST TO WET) (GLACIAL DRIFT)
		SAMPLES WERE COLLECTED AT 2.5, 3.8 AND 5.5 FEET GROUND WATER SEEPAGE WAS NOT ENCOUNTERED TEST PIT CAVING WAS NOT ENCOUNTERED TEST PIT WAS COMPLETED AT 11.5 FEET ON 10-12-96

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LOG OF EXPLORATION

DEPTH	USC	SOIL DESCRIPTION
TEST PIT SIXTEEN		
0.0 - 0.4		TOPSOIL
0.4 - 1.0	SM	ORANGE-BROWN SILTY FINE SAND WITH TRACE FINE GRAVEL (LOOSE TO MEDIUM DENSE)
1.0 - 5.0	SP-SM	GRAY TO LIGHT BROWN FINE TO MEDIUM SAND WITH SILT (RUST BROWN STAINED FROM 3.0 TO 5.0 FEET) (MEDIUM DENSE, MOIST) (ADVANCE OUTWASH)
5.0 - 8.0	SP-SM	GRAY FINE TO MEDIUM SAND WITH SILT (MEDIUM DENSE, MOIST) (ADVANCE OUTWASH)

SAMPLE WAS COLLECTED AT 3.5 FEET
GROUND WATER SEEPAGE WAS NOT ENCOUNTERED
TEST PIT CAVING WAS NOT ENCOUNTERED
TEST PIT WAS COMPLETED AT 8.0 FEET ON 10-12-96

TEST PIT 16
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