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March 20, 2000

OFFICE OF ZONING
DISTRICT OF COLUMBIA
2000 MAR 20 P 3:11

**Hand Delivery**

Sheila Cross-Reid
Chairperson
District of Columbia Board of Zoning Adjustment
441 4th Street, N.W.
Suite 210
Washington, D.C. 20001

Re: BZA Application No. 16531, Response to Posthearing Submissions
Father Flanagan's Boys Town of Washington

Dear Chairperson Reid:

This letter and its attachments represent Father Flanagan's Boys Town of Washington's ("Boys Town") response to the post-hearing submissions which were requested by the District of Columbia Board of Zoning Adjustment (the "Board" or "BZA") at the public hearing on this application on February 23, 2000.

A. Water and Landfill

Regarding issues raised in letters from Mr. James Glasgow and Ms. Carmen Scott, residents of Delafield Place, N.E. ("Letters"):

The Letters suggest that the landfill placed on Boys Town property is creating problems. Please see the enclosed soil data from Schnabel Engineering (Exhibit A), and an accompanying memorandum from A. Morton Thomas and Associates summarizing this soil data (Exhibit B), which demonstrate that the fill is "clean" and is compacted and covered in a manner that is in accordance with the standards of the industry and in compliance with District of Columbia environmental laws. The memorandum also states the water table in the fill area "did not rise after the fill was compacted."

BZA
Case No. 16531
Exhibit No. 51

Board of Zoning Adjustment
District of Columbia
CASE NO.16531
EXHIBIT NO.51

B. Community Poll

Regarding the community poll conducted by a community resident:

In a well-attended meeting held on February 2, 2000, upon hearing a full presentation by Boys Town, the North Michigan Park Civic Association voted overwhelmingly to support approval of the application. In the community poll, Boys Town was not afforded an opportunity to present its plans. We think that the bias of the polling form is evident and, as such, the results of the poll cannot be considered fair or legitimate.

We do, however, think that some of the written comments included on the polling forms are helpful in focusing on the nature of the community's concerns, namely, the water problems. The Applicant does not dispute that the North Michigan Park community is experiencing serious water problems. We believe that these water problems are caused partially, but not entirely, by stormwater run-off from the Boys Town property. The Applicant has proposed to resolve the issue of stormwater run-off from the Boys Town property.

With regard to several of the written comments mentioned above, we respond generally as follows:

As to water and noise concerns:

1) Construction of the four residential youth care homes will not negatively affect the current water situation.

2) The Applicant has proposed a plan (which has received preliminary approval and endorsement from city agencies) to contain stormwater run-off from Boys Town property. The Applicant has agreed from the beginning to make the construction of this stormwater mitigation system a condition of approval.

3) The Applicant is currently taking measures to address the noise concerns of the community.

As to security concerns:

1) Boys Town is better equipped to handle security issues than any other facility of its kind. Since its inception in 1993, there have been no material incidents between the community and children from Father Flanagan's Boys Home.

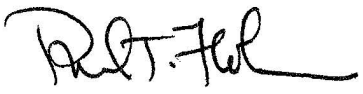
2) Boys Town is currently caring for approximately 21 children who would otherwise be taxing the resources of the District's youth-care system.

3) The children at Boys Town would most likely be taxing police resources now and in the future without the assistance of Father Flanagan's Boys Home and its numerous professional staff.

The ANC position is that Boys Town should delay new construction until the water problem is resolved. This is not a reasonable solution. The water problem is only partially caused by Boys Town. Other possible causes are DPW's stormwater system, infill development, the elevation of the rear yards on Delafield Place and the massive excavation of the Green Line Metro tunnel. Boys Town has proposed mitigation for its share of the water problem, and neither the Applicant nor the Board, by itself, has the authority or ability to correct the other causes of the water situation.

The Board does, however, have the ability to legally obligate Boys Town to address Boys Town's contribution to the stormwater problem. Concurrently, the BZA would be allowing Boys Town to further serve the District and its abused and neglected children. To delay construction serves no purpose other than to delay, or eliminate, the delivery of critical services to D.C. children in desperate need of help.

Sincerely,



Phil T. Feola



Martin P. Sullivan

Enclosures
cc: Father Val Peter
Connie Washington

**CERTIFICATE OF SERVICE**

I, the undersigned, hereby certify that a copy of the foregoing document was mailed, first-class and postage prepaid, to the following:

Ray Dickey, Sr.
ANC 5A
1256 Emerson Street, NE
Washington, D.C. 20017

Norma M. Broadnax
4702 6th Place, NE
Washington, D.C. 20017

Phil T. Feola

Stevens Drilling, Inc. TEST BORING FIELD RECORD

PROJECT: Boys Town N PROJECT NO. P0121118 BORING: SB-1

DATE: 3/13/00 DRILLER: Cave CREW: Shifflett SURFACE ELEV.

| DEPTH FROM | DEPTH TO | SOIL STRATA SOIL DESCRIPTION AND REMARKS | TIME | TYPE | NO. | DEPTH FROM | DEPTH TO | FIRST 6" | 2ND 6" | 3RD 6" | REC. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2" | Top Soil | | | | | | | | | |
| 2" | | Yellow Brown Sandy Silt | | SS | 1 | 1 | 2.5 | 4 | 3 | 4 | 12" |
| | 3' | w/ Gravel & Asphalt Frag: Same | | SS | 2 | 3.5 | 5 | 6 | 7 | 7 | 18" |
| 3' | | Gray Brown Clayey Silt w/s | | | | | | | | | |
| | | Sand - Gravel - Brick Frag: | | SS | 3 | 6 | 7.5 | 4 | 6 | 8 | 18" |
| | 6" | Same | | | | | | | | | |
| 6" | | Gray Brown Clayey Silt | | SS | 4 | 8.5 | 10 | 3 | 5 | 6 | 18" |
| | | w/s Fine Sand & Rock Frag. | | | | | | | | | |
| | 8" | Same | | SS | 5 | 13.5 | 15 | 2 | 2 | 2 | 18" |
| 8' | | Gray Sandy Silt w/s Gravel | | | | | | | | | |
| | | & Wood | | SS | 6 | 18.5 | 20 | 2 | 4 | 5 | 18" |
| | 12" | Same | | | | | | | | | |
| 12" | | Gray Clayey Silt w/s Gravel | | SS | 7 | 23.5 | 25 | 5 | 8 | 8 | 18" |
| | | & Wood | | | | | | | | | |
| | 24" | Same: Fill | | SS | 8 | 28.5 | 30 | 4 | 6 | 7 | 18" |
| 24' | | Yellow Brown & Gray Clayey | | | | | | | | | |
| | | Sand - Tr - Gravel | | | | | | | | | |
| | 30' | Same | | | | | | | | | |
| | | B.T. - 3/13/00 30' | | | | | | | | | |
| | | NO Water Enc: | | | | | | | | | |
| | | W/ Augers: Dry | | | | | | | | | |
| | | W/o Augers: Dry | | | | | | | | | |
| | | CAVE: 27.5' | | | | | | | | | |

METHOD OF DRILLING (Check One)

a. AUGER ✓ SIZE 2 1/4 I.D.

b. WASH WATER MUD

BORING SIZE BIT USED

CASING: SIZE LENGTH

UNDISTURBED SAMPLES: NO. SIZE

BAG SAMPLES: NO.

WATER LOSSES, % DEPTH

SPECIAL TESTS (Hrs. & Explain)

WEATHER

NON-DRILLING TIME (Hrs.)

BORING LAYOUT MOVING 30 min

HAULING WATER STANDBY

WATER LEVEL: @ Dry DATE 3/14/00 TIME 7:25

@ DATE TIME

CAVE-IN-DEPTH: @ 27.3 DATE TIME

REMARKS: (All remarks should be explained on the back of white copy)

EXHIBIT A

Stevens Drilling, Inc.

**TEST BORING FIELD RECORD**

PROJECT: Boys Town PROJECT NO. P0121118 BORING: SB-2

DATE: 3/13/00 DRILLER: Cave CREW: Shifflett SURFACE ELEV. ____

| DEPTH FROM | DEPTH TO | SOIL STRATA SOIL DESCRIPTION AND REMARKS | TIME | TYPE | NO. | DEPTH FROM | DEPTH TO | FIRST 6" | 2ND 6" | 3RD 6" | REC. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2" | Top Soil | | | | | | | | | |
| | | | | SS | 1 | 1 | 2.5' | 1 | 1 | 2 | 12" |
| 2" | | Yellow Brown Silt w/s Fine Sand & Asphalt Frag. | | SS | 2 | 3.5 | 5' | 3 | 4 | 4 | 18" |
| | 3' | Same | | | | | | | | | |
| 3' | | Gray Brown Silt w/s Sand Brick Frag & Gravel | | SS | 3 | 6 | 7.5 | 6 | 11 | 10 | 18" |
| | 8.5' | Same | | SS | 4 | 8.5 | 10 | 2 | 3 | 4 | 18" |
| 8.5' | | Yellow Brown & Gray Clayey Fine Sand w/s Wood | | SS | 5 | 13.5 | 15 | 10 | 20 | 35 | 12" |
| | | | | SS | 6 | 18.5 | 20 | 5 | 4 | 6 | 18" |
| | 18' | Same | | | | | | | | | |
| 18' | | Gray Brown Clayey Sand w/s Gravel & Brick Frag. | | SS | 7 | 23.5 | 25 | 6 | 4 | 7 | 18" |
| | 23' | Same | | SS | 8 | 28.5 | 30 | 2 | 3 | 4 | 18" |
| 23' | | Gray Brown Clayey Sand w/s Wood Asphalt Frag: & Gravel | | SS | 9 | 33.5 | 35 | 4 | 11 | 11 | 18" |
| | 27' | Same: Fill | | | | | | | | | |
| 27' | | Yellow Brown & Gray Clayey Silt-to-Fine Sand | | | | | | | | | |
| | 34' | Same | | | | | | | | | |
| 34' | | Yellow Brown Silty Fine to Med Sand w/s Gravel | | | | | | | | | |
| | 35' | Same | | | | | | | | | |
| | | B.T. 3/13/00 35' | | | | | | | | | |
| | | Water Inc: 28' | | | | | | | | | |
| | | w/ Augers: 29' | | | | | | | | | |
| | | w/o Augers: 25' CAVE: 33' | | | | | | | | | |

METHOD OF DRILLING (Check One):

a. AUGER 1 SIZE 2 1/4 ID

b. WASH ____ WATER ____ MUD ____

BORING SIZE ____ BIT USED ____

CASING: SIZE ____ LENGTH ____

UNDISTURBED SAMPLES: NO. ____ SIZE ____

BAG SAMPLES: NO. ____

WATER LOSSES, % ____ DEPTH ____

SPECIAL TESTS (Hrs. & Explain) ____

WEATHER ____

NON-DRILLING TIME (Hrs.) ____

BORING LAYOUT ____ MOVING 10 min

HAULING WATER ____ STANDBY ____

WATER LEVEL: @ 25' DATE 3/14/00 TIME 7:20

@ ____ DATE ____ TIME ____

CAVE-IN-DEPTH: @ 32.5' DATE ____ TIME ____

REMARKS: (All remarks should be explained on the back of white copy)

Stevens Drilling, Inc.

**TEST BORING FIELD RECORD**

PROJECT: Boys Town PROJECT NO. P012118 BORING: SB-3

DATE: 3/13/00 DRILLER: Cave CREW: Shiffett SURFACE ELEV.

| DEPTH FROM | DEPTH TO | SOIL STRATA SOIL DESCRIPTION AND REMARKS | TIME | TYPE | NO. | DEPTH FROM | DEPTH TO | FIRST 6" | 2ND 6" | 3RD 6" | REC. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2" | Top Soil | | | | | | | | | |
| | | | | SS | 1 | 1 | 2.5 | 3 | 3 | 3 | 12" |
| 2" | | Gray Brown Clayey Sand w/s Gravel & Brick Frag. | | | | | | | | | |
| | | | | SS | 2 | 3.5 | 5 | 1 | 1 | 2 | 14" |
| | 8" | Same | | | | | | | | | |
| 8" | | Gray Sandy Sand w/ Gravel & Wood | | SS | 3 | 6 | 7.5 | 1 | 2 | 2 | 14" |
| | | | | SS | 4 | 8.5 | 10 | 3 | 3 | 9 | 18" |
| | 12" | Same | | SS | 5 | 13.5 | 15 | 10 | 16 | 15 | 18" |
| 12" | | Gray Clayey Sand w/ Gravel & Asphalt Frags | | | | | | | | | |
| | | | | SS | 6 | 18.5 | 20 | 3 | 3 | 4 | 18" |
| | 18" | Same | | | | | | | | | |
| 18" | | Gray Silty Fine to Med Sand-TR-Gravel | | SS | 7 | 23.5 | 25 | 5 | 7 | 12 | 18" |
| | 22" | Same | | SS | 8 | 28.5 | 30 | 5 | 7 | 7 | 18" |
| 22" | | Yellow Brown & Gray Clayey Fine Sand | | | | | | | | | |
| | 30" | Same | | | | | | | | | |
| | | B.T. 3/13/00 30' | | | | | | | | | |
| | | NO Water Encr | | | | | | | | | |
| | | W/ Augers: DRY | | | | | | | | | |
| | | W/O Augers: DRY | | | | | | | | | |
| | | CAVE: 28' | | | | | | | | | |

METHOD OF DRILLING (Check One)

a. AUGER ✓ SIZE 2¼ I.D.

b. WASH _____ WATER _____ MUD _____

BORING SIZE _____ BIT USED _____

CASING SIZE _____ LENGTH _____

UNDISTURBED SAMPLES: NO. _____ SIZE _____

BAG SAMPLES: NO. _____

WATER LOSSES, % _____ DEPTH _____

SPECIAL TESTS (Hrs. & Explain) _____

WEATHER _____

NON-DRILLING TIME (Hrs.) _____

BORING LAYOUT _____ MOVING 10 min

HAULING WATER _____ STANDBY _____

WATER LEVEL: @ DRY DATE 3/14/00 TIME 7:00

@ _____ DATE _____ TIME _____

CAVE-IN-DEPTH: @ 28' DATE _____ TIME _____

REMARKS: (All remarks should be explained on the back of white copy)

Stevens Drilling, Inc.

**TEST BORING FIELD RECORD**

PROJECT: Boys Town PROJECT NO. P0121118 BORING: SB-4

DATE: 3/13/00 DRILLER: CAVE CREW: Shifflett SURFACE ELEV.

| DEPTH FROM | DEPTH TO | SOIL STRATA SOIL DESCRIPTION AND REMARKS | TIME | TYPE | NO. | DEPTH FROM | DEPTH TO | FIRST 6" | 2ND 6" | 3RD 6" | REC. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2" | Top Soil | | | | | | | | | |
| | | | | SS | 1 | 1 | 2.5 | 2 | 3 | 8 | 14" |
| 2" | | Yellow Brown Clayey Sand w/s Gravel | | | | | | | | | |
| | | | | SS | 2 | 3.5 | 5 | 4 | 5 | 9 | 18" |
| | | | | | | | | | | | |
| | | | | SS | 3 | 6 | 7.5 | 8 | 10 | 9 | 18" |
| | 8" | Same | | | | | | | | | |
| 8' | | Gray Clayey Sand w/ Gravel Asphalt Frags Wood | | SS | 4 | 8.5 | 10 | 6 | 2 | 3 | 14" |
| | | | | SS | 5 | 13.5 | 15 | 3 | 11 | 5 | 14" |
| | | | | | | | | | | | |
| | 19.5 | Same: Fill | | SS | 6 | 18.5 | 20 | 3 | 4 | 24 | 14" |
| | | | | | | | | | | | |
| 19.5 | | Gray Fine To Med Sand w/ Gravel | | SS | 7 | 23.5 | 25 | 3 | 5 | 6 | 18" |
| | 21.5 | Same | | | | | | | | | |
| 21.5 | | Tan Clayey Silt - To - Fine Sand | | | | | | | | | |
| | 25' | Same | | | | | | | | | |
| | | B.T. - 3/13/00 25' | | | | | | | | | |
| | | No Water Enc: [redacted] | | | | | | | | | |
| | | w/ Augers: Dry | | | | | | | | | |
| | | w/d Augers: Dry | | | | | | | | | |
| | | CAVE: 23' | | | | | | | | | |

METHOD OF DRILLING (Check One)

a. AUGER ✓ SIZE 2¼ ID

b. WASH _____ WATER _____ MUD _____

BORING SIZE _____ BIT USED _____

CASING: SIZE _____ LENGTH _____

UNDISTURBED SAMPLES: NO. _____ SIZE _____

BAG SAMPLES: NO. _____

WATER LOSSES, % _____ DEPTH _____

SPECIAL TESTS (Hrs. & Explain) _____

WEATHER _____

NON-DRILLING TIME (Hrs.) _____

BORING LAYOUT _____ MOVING 20 min

HAULING WATER _____ STANDBY _____

WATER LEVEL: @ Dry DATE 3/14/00 TIME 7:10

@ _____ DATE _____ TIME _____

CAVE-IN-DEPTH: @ 23' DATE _____ TIME _____

REMARKS: (All remarks should be explained on the back of white copy)

Stevens Drilling, Inc.

**TEST BORING FIELD RECORD**

PROJECT: Boys Town PROJECT NO. P012118 BORING: MW-1

DATE: 3/14/00 DRILLER: CAVE CREW: Shifflett SURFACE ELEV. _____

| DEPTH FROM | DEPTH TO | SOIL STRATA — SOIL DESCRIPTION AND REMARKS | TIME | TYPE | NO. | DEPTH FROM | DEPTH TO | FIRST 6" | 2ND 6" | 3RD 6" | REC. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2" | Top Soil | | | | | | | | | |
| 2" | | Yellow Brown Silty Sand | | SS | 1 | 1 | 2.5 | 5 | 3 | 4 | 14" |
| | 3' | Same | | | | | | | | | |
| 3' | | Yellow Brown Clayey Sand | | SS | 2 | 3.5 | 5 | 2 | 3 | 3 | 18" |
| | | | | SS | 3 | 6 | 7.5 | 2 | 2 | 3 | 18" |
| | | | | SS | 4 | 8.5 | 10 | 3 | 3 | 3 | 18" |
| | 13' | Same | | | | | | | | | |
| | | | | SS | 5 | 13.5 | 15 | 6 | 21 | 19 | 18" |
| 13' | | Gray Silty Sand | | SS | 6 | 18.5 | 20 | 22 | 40 | 40 | 18" |
| | 18' | Same | | | | | | | | | |
| 18' | | Gray Fine to med Sand | | | | | | | | | |
| | | TR-Silt | | | | | | | | | |
| | 20' | Same | | | | | | | | | |
| | | B.T. 3/14/00 20' | | | | | | | | | |
| | | Water Inc: 10' | | | | | | | | | |
| | | w/ Augers: 12' | | | | | | | | | |
| | | w/o Augers: 11' | | | | | | | | | |
| | | 3/15/00 | | | | | | | | | |
| | | Set Well 20' | | | | | | | | | |
| | | 10' Screen Sand & Bentonite - Grout | | | | | | | | | |
| | | 5' Riser ONE Bottom Cap | | | | | | | | | |
| | | 2' Stick up ONE Top Cap | | | | | | | | | |
| | | 1 Stick up Cover | | | | | | | | | |

METHOD OF DRILLING (Check One)

A. AUGER ✓ SIZE 2 1/4" ID

B. WASH _____ WATER _____ MUD _____

BORING SIZE _____ BIT USED _____

CASING: SIZE _____ LENGTH _____

UNDISTURBED SAMPLES: NO. _____ SIZE _____

BAG SAMPLES: NO. _____

WATER LOSSES, % _____ DEPTH _____

SPECIAL TESTS (Hrs. & Explain) _____

WEATHER _____

NON-DRILLING TIME (Hrs.) _____

BORING LAYOUT _____ MOVING 20 min

HAULING WATER _____ STANDBY _____

WATER LEVEL: @ 6' DATE 3/15/00 TIME 7:00

@ _____ DATE _____ TIME _____

CAVE-IN-DEPTH: @ _____ DATE _____ TIME _____

REMARKS: (All remarks should be explained on the back of white copy)

Stevens Drilling, Inc.

**TEST BORING FIELD RECORD**

PROJECT: Boy's Town PROJECT NO. P012118 BORING: MW-2

DATE: 3/14/00 DRILLER: CAVE CREW: Shifflett SURFACE ELEV.

| DEPTH FROM | DEPTH TO | SOIL STRATA — SOIL DESCRIPTION AND REMARKS | TIME | TYPE | NO. | DEPTH FROM | DEPTH TO | FIRST 6" | 2ND 6" | 3RD 6" | REC. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3" | TOP Soil | | | | | | | | | |
| 3" | | Yellow Brown Clayey Fine Sand | | SS | 1 | 1 | 2.5 | 2 | 3 | 6 | 14" |
| | 3' | Same | | SS | 2 | 3.5 | 5 | 3 | 4 | 4 | 18" |
| 3' | | Yellow Brown Fine to Med Sand - tr - Silt | | SS | 3 | 6 | 7.5 | 3 | 5 | 9 | 18" |
| | 6' | Same | | | | | | | | | |
| 6' | | Light Gray Clayey Silt w/s Sand Layers - tr - Gravel | | SS | 4 | 8.5 | 10 | 7 | 8 | 8 | 18" |
| | 8' | Same | | SS | 5 | 13.5 | 15 | 3 | 5 | 6 | 18" |
| 8' | | Yellow Brown Fine to Med Sand w/ Gravel - tr - Silt | | SS | 6 | 18.5 | 20 | 6 | 7 | 8 | 18" |
| | 12' | Same | | | | | | | | | |
| 12' | | Light Gray Clayey Silt tr - Fine Sand | | SS | 7 | 23.5 | 25 | 6 | 8 | 12 | 18" |
| | 18' | Same | | SS | 8 | 28.5 | 30 | 6 | 8 | 35 | 18" |
| 18' | | Yellow Brown & Gray Clayey Fine Sand | | | | 10/15/00 | | | | | |
| | 28' | Same | | | | Set Well 19' | | | | | |
| 28' | | Gray Organic Clayey Silt tr - Fine Sand | | | | 10' Screen | | | | | |
| | 30' | Same | | | | 9' Riser | | | | | |
| | | | | | | 2' Stick up | | | | | |
| | | | | | | 1 Stick up Cover | | | | | |
| | | BT - 3/14/00 30' | | | | | | | | | |
| | | Water ENC: 18' | | | | Sand - Bentonite | | | | | |
| | | W/ Augers: 20' | | | | Grout | | | | | |
| | | W/O Augers: 18' | | | | ONE Top Cap | | | | | |
| | | | | | | ONE Bottom Cap | | | | | |

METHOD OF DRILLING (Check One)

a. AUGER ✓ SIZE 2¼ ID

b. WASH _____ WATER _____ MUD _____

BORING SIZE _____ BIT USED _____

CASING: SIZE _____ LENGTH _____

UNDISTURBED SAMPLES: NO. _____ SIZE _____

BAG SAMPLES: NO. _____

WATER LOSSES: % _____ DEPTH _____

SPECIAL TESTS (Hrs. & Explain) _____

WEATHER _____

NON-DRILLING TIME (Hrs.) _____

BORING LAYOUT _____ MOVING 20 min

HAULING WATER _____ STANDBY _____

WATER LEVEL: @ 8' DATE 3/15/00 TIME 2:05

@ _____ DATE _____ TIME _____

CAVE-IN-DEPTH: @ _____ DATE _____ TIME _____

REMARKS: (All remarks should be explained on the back of white copy)

Stevens Drilling, Inc.

TEST BORING FIELD RECORD

PROJECT: Boys Town PROJECT NO. P012118 BORING: MW-3

DATE: 3/14/00 DRILLER: CAVE CREW: Shifflett SURFACE ELEV. _____

| DEPTH FROM | DEPTH TO | SOIL STRATA SOIL DESCRIPTION AND REMARKS | TIME | TYPE | NO. | DEPTH FROM | DEPTH TO | FIRST 6" | 2ND 6" | 3RD 6" | REC. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3" | Top Soil | | | | | | | | | |
| 3" | | Yellow Brown Silty Fine To med Sand w/ Gravel | | SS | 1 | 1 | 2.5 | 3 | 5 | 5 | 18" |
| | 7.5 | Same | | SS | 2 | 3.5 | 5 | 4 | 8 | 19 | 18" |
| 7.5 | | Yellow Brown & Gray Clayey Fine Sand | | SS | 3 | 6 | 7.5 | 10 | 13 | 12 | 18" |
| | 13' | Same | | SS | 4 | 8.5 | 10 | 4 | 6 | 7 | 18" |
| 13' | | Light Gray & Brown Clayey Silt w/s Sand Layers | | SS | 5 | 13.5 | 15 | 4 | 5 | 5 | 18" |
| | 18' | Same | | | | | | | | | |
| 18' | | Light Gray Silty Sand | | SS | 6 | 18.5 | 20 | 7 | 7 | 11 | 18" |
| | | | | SS | 7 | 23.5 | 25 | 9 | 17 | 17 | 18" |
| | 25' | Same | | | | | | | | | |
| | | | | ~~SS~~ | ~~8~~ | ~~28.5~~ | ~~30~~ | | | | |
| | | B.T. 3/14/00 25' | | | | | | | | | |
| | | Water Inc: 13' | | | | | | | | | |
| | | W/ Augers: 18' | | | | | | | | | |
| | | w/o Augers: 13' | | | | | | | | | |
| | | [redacted] | | | | | | | | | |
| | | 3/15/00 | | | | | | | | | |
| | | Set well 18.5' | | | | | | | | | |
| | | 10' Screen Sand - Bentonite - Grout | | | | | | | | | |
| | | 8.5' Rasser ONE Top Cap | | | | | | | | | |
| | | 2' Stick up ONE Bottom Cap. | | | | | | | | | |
| | | 1 Stick up Cover | | | | | | | | | |

METHOD OF DRILLING (Check One)

a. AUGER ✓ SIZE 2 1/4 I.D

b. WASH _____ WATER _____ MUD _____

BORING SIZE _____ BIT USED _____

CASING SIZE _____ LENGTH _____

UNDISTURBED SAMPLES: NO. _____ SIZE _____

BAG SAMPLES: NO. _____

WATER LOSSES, % _____ DEPTH _____

SPECIAL TESTS (Hrs. & Explain) _____

WEATHER _____

NON-DRILLING TIME (Hrs.) No holes staked out getting OK to Layout

BORING LAYOUT _____ MOVING 30 min

HAULING WATER _____ STANDBY 1 HR

WATER LEVEL: @ 6' DATE 3/15/00 TIME 7:10

@ _____ DATE _____ TIME _____

CAVE-IN-DEPTH: @ _____ DATE _____ TIME _____

REMARKS: (All remarks should be explained on the back of white copy)

# MEMORANDUM

Date: March 20, 2000

To: Phil Feola

From: Timothy F. Riordan, P.E.

**Re: BOYSTOWN GEOTECHNICAL FINDS.**
AMT File No.: **92-038.05.01**

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Four (4) soil borings were taken on the fill area on Boystown property. Boring No. 1 was terminated at 27.3 feet and there was no groundwater. Boring No. 2 was terminated at 32.5 foot and groundwater was at 25 feet. Boring No. 3 was terminated at 28 feet and was dry. Boring No. 4 was terminated at 23 feet and was dry. This data would suggest that the water table in the fill area did not rise after the fill was compacted. Also, the soil found would be deemed normal for fill material.

The three well spots, which were taken along the fence line not in fill, had normal depths for groundwater this time of year of between 6 feet - 8 feet.

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