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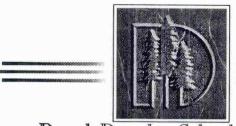




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David Douglas School District

Richard St. Claire, Principal 12500 SE Ramona • Portland, Oregon • 97236 (503) 256-6510 • Fax (503) 261-8403

June 24, 1998

Mark Muckerheide Alice Ott Middle School 12500 SE Ramona Portland, OR 97236

Lynn Wilson Restoration and Education Grants Coordinator 600 NE Grand Avenue Portland, OR 97232-2736

Re: METRO GREENSPACES GRANT #904710

Dear Lynn and the Metro Greenspaces Grant Committee:

First I'd like to thank you for your time and commitments to the education of our youth! Without dedicated individuals like yourselves in the treetops (i.e. upstairs) looking down on us in the wetlands and fields, (i.e.classrooms), there would be no place for our children to get their hands and mudboots into learning.

I inherited the Brookside Wetland Grant from ex-science teacher Charlene Bassine. She is given the credit for initiating the project almost 5 years ago. When I was hired as the 7th grade science teacher at Alice Ott Middle School to replace her, it happily fell into my basket. It was stalled for the first year because of the construction phase of the wetland along Johnson Creek near 110th and SE Foster Road.

I was connected to Chris Watson who teaches 4th graders at Kelly Elementary School. He had been doing water quality reading with his students since June of 1996. He graciously trained me with the finer details of water analysis. He also showed me where Bureau of Environmental Services, BES wanted to have their photo monitoring points set up. I have taken on the process of photo monitoring and water quality analysis with my students.

The first part of the enhancement of Brookside was completed in October of 1997. We have pictures and videotapes of some of these processes. KGW NEWS, EAST METRO EDITION and THE OREGONIAN did articles, some of which are provided.

At this time, I advertised in the weekly newsletter the Blue and Gold for students to join the Wetland Club. It was slow at the start with about 6-8 students involved periodically. I taught them about the water testing, wildlife and vegetation monitoring photo documentation and introduced them to many organizations taking this project to heart. Two of our eighth graders took this project a step further. Jennifer Leggett and Kyle Bowen worked with our computer teacher, Craig Pyne, to enter the Brookside Wetland work into a national contest for webpages. They won \$250.00 for their efforts and it can be reached at http://aoms.ddouglas.k12.or.us/wetlands. This website provides many pictures and on going information about the past and successful future this project is heading towards.

In flood control the students remembered from news reports of previous years how Foster Road always was being washed by heavy rains. They now saw from pictures or personal experience that the fill removed from the wetland has a definite connection with water problems in the Johnson Creek basin. They were able to do turbidity readings at different locations along the wetland to see the effects of erosion before, during and after construction. They made measurements of dissolved oxygen and related that to the populations of macroinvertebrates and fish. On two Saturdays in March, they built and installed 15 bird and bat boxes. They have since seen a few of these being used by Owls and Song Sparrows. Some students had a professional arborists hoist them up a tree for assisting in the installation of Wood Duck boxes. KGW NEWS was present to film this on a rain soaked morning. Volunteers and Horticulturists from Jackson Bottom Wetland showed them how to identify and monitor vegetation. I have instructed them on the use of a camcorder and digital camera for doing sequential photos.

On Earth Day, all Alice Ott seventh graders took a tour of Brookside Wetland while East Metro Edition did some interviewing again in the rain. Ivy Francis of the Bureau of Environmental Services told them about the ultimate reason for a neighborhood to be involved in a community which, is bringing their youth to the wetland to learn about nature. Lynn VanderKamp also of BES, showed them many creatures that inhabit the creeks and how they are considered to be water quality indicators. Jennifer Thompson of Wildlife Service taught the students about animal tracking. Bob Roth and Andre Pinnell of Johnson Creek Watershed Council informed them about erosion problems. Kim Wilson of Audubon explained why the Killdeer fakes an injury to its wing. (Some secrets to be told later). And finally Kraig Sproles of Portland Parks and Recreation did his imitation of why a rabbit's front legs are sometimes behind the rear legs while looking at their tracks. All their curiosities for nature keep them enthused enough to want to pass their knowledge onto the youth in these types of organizations.

Kraig Sproles who has his office for Portland Parks and Recreation in Alice Ott Middle School has become the excitable second advisor to the Wetland Club. He was able to fund a Marsh Madness program for our renewed Ecology Club. The scheduled curriculum for this is provided and will culminate with a trip on the H2O boat up the Willamette River, Friday, June 26th 1998.

I, Mark Muckerheide on behalf of these Young Wetland Naturalists, would like to thank you for supplying us with this grant. All items bought for the **David Douglas School District** will be labeled and treated with the utmost respect by our students. Please know and understand that we will use this equipment exclusively for the training of students in Alice Ott's Ecology Club to monitor the star of the Northern Lights Neighborhood, Brookside Wetland!

Sincerely,

Mark Muckerheide

Alice Ott Middle School

Science Teacher

Schedule for Marsh Madness Program April 30th-May 30th

We have some exciting things planned for the next two months with the Wetlands Club. Our spring program includes two visits to the H20 boat and several field trips to various local wetlands. We need to decide as a group where we want to go for the field trips and what service project we want to do. Listed below are the dates and some suggested activities.

Date of Events	Activity
Thursday, April 30th 3:30-6:00	Travel to H20 boat from AOMS. Have a basic introduction to the boat and to the Willamette River. Need van.
Thursday, May 7th 3:30-6:00	Field Trip without van
Thursday, May 14th 3:30-6:00	Field Trip with van
Thursday, May 21st 3:30-6:00	Field Trip with van
Thursday, May 28th 3:30-6:00	Service Project without van
Saturday, May 30th 11:00-3:00	Travel to H20 boat from AOMS or meet at H20 boat. Go on a 4 hour boat trip down the Willamette with our families. Learn about river navigation, water quality, etc.

Field Trip Ideas

- 1. Visit Johnson Hatchery on Johnson Creek
- 2. Go for a hike in the Gorge
- 3. Go to Brookside Wetlands to do more monitoring
- 4. Visit Leach Botanical Gardens
- 5. Visit Beggars Tick, take water samples and compare data to Brookside data
- 6. Go birding at Oak Bottoms
- 7. Go for a hike on Powell Butte

Service Project Ideas

- 1. Gutter Stenciling
- 2. Help with a Community Garden
- 3. Conduct a trash pickup at Brookside and/or Springwater corridor
- 4. Help work on brochures/posters for Brookside Wetlands

ALICE OTT MIDDLE SCHOOL BROOKSIDE WETLAND FIELD STUDY APPLICATION

PERIOD:

Date

NAME:

SCIENCE TEACHER:

Parent signature

	Why do you want to become a member of the Brookside Wetland field study team?	
	· · · · · · · · · · · · · · · · · · ·	n = 100
,	Most of the Brookside activities will happen on weekends or after school, are there problems committing time to this? Why?	
	Do you live in the Northern Lights neighborhood area? (111th & Brookside St.)	A Total Carrier Leaves Special Con-
	 I hereby agree to the following terms: a. I will be responsible in making up any work I might miss while doing field studies. b. I will follow all safety precautions while on field studies. c. I will be responsible with equipment and follow all directions. d. I will be willing to participate in a presentation for local citizens and agency officials, possibly out of the school day. e. I can commit to this program through next year if necessary. 	
	Student signature Date	
	My child, has permission to be a member of the Brookside Wetland Field Study team. I understand that this will involve occasional trips to the site (111th & Brookside, just south of Foster) after school and on weekends in to next summer. I know they will be obtaining water samples from Johnson Creek and inventorying the surrounding area after the city completes the development of the creekside area into a recreational/educational wetland site.	

BROOKSIDE WETLAND FIELD STUDY POSITIONS

NUMBER THESE POSITIONS FROM 1-11 ACCORDING TO YOUR INTEREST. FOR YOUR TOP 3 PICKS YOU NEED TO EXPLAIN WHY YOU FEEL QUALIFIED. Do this on the back side of this sheet.	S. S. S.
Water Quality Monitoring - Temperature, pH, Dissolved Oxygen, Turbidity (Water clarity and cloudiness)	
Macroinvertebrates - insect surveys which are significant to the quality of water.	
Photomonitoring (Still and Video) - about 1 time/month this will take place to identify changes in the wetland.	TOUTUR LANGE ANT
Plant survival surveys - there will be many thousands of plants planted in the next few years which must be inspected.	and the same of the same
Wildlife Diversity surveys - investigate the possibilities for various forms of wildlife.	
Blackberry Crew - maintain cleanliness of areas with high potential for return growth of berries.	
Garbage Clean-Up - periodic clean ups to enhance the beauty of the wetland.	
Watershed Naturalist - become trained by Portland Audubon and Nature Mapping Group to be Wetland Caretakers.	
Constructing Bird and Bat Boxes - this will be planned as a group with donated materials and advice by some birders.	Por Action 200
Assist in the creation of Wetland Informational Brochures, development of Signs and writing updates for a Johnson Creek Committee/Brookside Stewardship Committee Newsletter.	
Speakers to represent our Wetland Club at periodic meetings of the Johnson Creek Committee/Brookside Stewardship or DDSD.	The Company of

Although you may be chosen for 3-5 of these positions, the entire club may be helping out with all of these functions at various times. This Wetland Club will be a Guinea Pig project because there have been no other developments such as this in the Portland area. Therefore, at any time there may be many inquiries about what we are doing from any of these organizations or individuals: The community Northern Lights Neighborhood Association Bureau of Environmental Services . Audubon Society Johnson Creek Corridor Committee Brookside Stewardship Committee The Nature Mapping Group David Douglas School District Kelly Elementary School Greencorps Volunteers Foster Avenue Business Association Leach Botanical Gardens US Fish and Wildlife Service Oregon Water Quality Division AOMS Principal Mr. St. Claire AOMS VPrincipal Mrs. Bassine

WETLANDS ARE WONDERFUL

Lets Keep Them Like That!!!

Mr. Muckerheide AOMS 7th Science

WAIVER FORM ALICE OTT MIDDLE SCHOOL WETLAND CLUB

I ALLOW MY SON/DAUGHTER PERMISSION-TO PARTICIPATE IN ACTIVITIES SUCH AS: TREE CLIMBING FOR THE SAKE OF INSTALLING OR MAINTAINING BIRD/BAT HOUSES, GOING NEAR THE WATER TO DO ANY WATER QUALITY TESTING AND HANDLING ANY MATERIALS THAT MAY BE USED IN THE CUTTING OF OR PLANTING VEGETATION, ETC.

THE WETLAND ADVISORS WILL INFORM THE CHILDREN INVOLVED IF THE PARENT NEEDS TO BE PRESENT IN ORDER FOR THE CHILD TO DO ONE OF THESE ACTIVITIES.

PARENT'S SIGNATURE DATE

ALICE OTT MIDDLE SCHOOL SEVENTH GRADE FIELD TRIP TO BROOKSIDE WETLAND APRIL 23 & 24, 1998

THURSDAY, APRIL 23 Period 1 8:50-9:50 ~30 Students

Period 2 10:20-11:20 ~25 Students

LUNCH (on your own or at ALICE OTT)

Period 3 12:20-1:20 ~28 Students

Period 4 1:45-2:45-~25 Students

Presenters

Bob Roth or Andre Pinnell Johnson Creek Watershed

Lynn Van derKamp BES

Jennifer Thompson
Dept. Fish & Wildlife

Coordinators

Mark Muckerheide AOMS Teacher Craig Sproles AOMS Parks & Rec. Laurel Young AOMS Teacher FRIDAY, APRIL 24 Period 5 8:50-9:50 ~ 25 Students

Period 6 10:20-11:20 ~ 55 Students

LUNCH

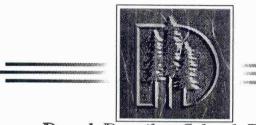
Period 7 12:20-1:20 ~ 25 Students

Period 8 1:45-2:45 ~ 25 Students

Bob Roth or Andre Pinnell Johnson Creek Watershed

lvy Francis (am only) BES

Audubon or Dept. F&W



David Douglas School District ALICE OTT MIDDLE SCHOOL
Richard St. Claire, Principal
12500 SE Ramona • Portland, Oregon • 97236
(503) 256-6510 • Fax (503) 261-8403

Alice Ott Ecology Club H2O Rescheduled Boat Trip

We have a great opportunity for students interested in the Alice Ott Ecology Club. Next Friday (June 26) from 9:00am-3:00pm the Ecology Club is co-sponsoring a River Adventure Day Camp with Headwaters to Ocean (H2O). This trip is being sponsored to make-up for the boat trip that was cancelled two weeks ago on Saturday, May 30^{th.} The River Adventure Day Camp is a full day's exploration of the Willamette, including opportunities to view herons, osprey, and bald eagles at their nests. Students will also learn about the physical characteristics of the river, what creatures live in it, and how we can take better care of it.

The H2O boat is located at the city docks in downtown Portland. It is easiest to take the Banfield (84W) to the I5 South exit which leads to the Marquam bridge. Take the first exit when you get across the river (4th street) that leads into downtown. Take a right on Market street and proceed down to the Riverplace docks (off Montgomery St). The boat is located on the Northern most public dock (the kids will be able to direct you to it).

The cost of the day camp is \$30, but Alice Ott students can attend for free if they contact Kraig in the Community School Office at 823-2279 no later than 11:00 am on Tuesday, June 23^{rd.} Space on the boat is limited and students are encouraged to call as soon as possible if they are interested. Limited transportation to and from Alice Ott Middle School can be arranged for those students who need rides to the boat.

CANDY SALE STARTS THIS FRIDAY

Alice Ott students will start selling candy Friday, September 12. Students will be selling HERBERT'S GOURMET CANDY BARS for our Student Body Fund will benefits all students. The delicious chocolate bars will sell for \$1.00 each. If you have not turned in your permission slip to sell candy please do so A.S.A.P.

WETLAND CLUB MEETING

If you are interested in science and helping your environment, come to Alice Ott's first ever WETLAND CLUB MEETING. Lynn Vanderkamp the from Portland Bureau of Environmental Services will be exploring an awesome Watershed model. The meeting will be Thursday, September 11, from 3:00 - 4:15 in Mr. Muckerheide's room #27.

ASSIGNMENT SHEETS

Often parents ask us, "How do I know what homework is assigned?" All Alice Ott students receive an assignment sheet on Monday. Students are to record one of two things on their sheet: (1) the homework for the class (2) if no homework is assigned, then "no homework" is written in for the class.

Parents are asked to monitor the assignment sheet and the completion of the nightly homework. This system works very well for students and teachers. We urge you to join us in monitoring your student's work.

BOOSTER CLUB

Parents, especially those new to Alice Ott. might be wondering what is the Booster Club and why should I join. It is not a national organization, like P.T.A. It is a way for parents to support the students and teachers at AOMS with things they might need to make the student experience at Alice Ott the best is can be. In the past, the Booster Club has sponsored the first dance of the year and sold holiday wreaths. The proceeds, along with membership fees, were used to help with school activities such as sports recognition desserts, dance team uniforms, the Jean Bruck Scholarship Fund (given to a David Douglas high school senior who attended Alice Ott), adult ESL tuition, and our biggest event, the 8th grade graduation dance.

Volunteers are needed throughout the year to help in the cafeteria, with health screening and student pictures, and at various sports events. Your participation is encouraged and welcomed. Meetings are announced in the Blue and Gold. Please join and support students at Alice Ott Middle School.

ACTIVITIES

TUESDAY, SEPT. 9

SCHEDULE A

PICTURE DAY

WEDNESDAY, SEPT. 10

SCHEDULE B

PICTURE DAY

THURSDAY, SEPT. 11

SCHEDULE A

WETLAND MTG., RM.27, 3-4:15 P.M.

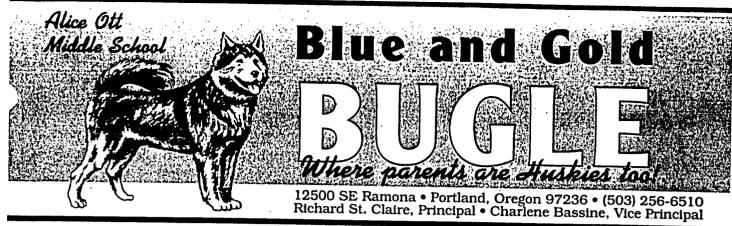
FRIDAY, SEPT. 12

SCHEDULE B

CANDY SALE ASSEMBLY

MONDAY, SEPT. 15

SCHEDULE A



December 15, 1997

Winter Holiday Vacation

Monday, December 22 to Friday, January No School

Return to school on **January 5, 1998**

THURSDAY, DEC.18 CHOIR CONCERT-7PM

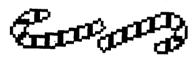
The 200+ voice combined AOMS Choirs will present their Holiday Concert, Thurs. Dec.18, 7PM at the AO Auditorium. Students earn points by being in their assigned riser places NO LATER THAN 6:45 PM. The performance will end by 7:45PM. This concert will feature 3 songs by the select 70 voice A Cappella Choir and one selection each by just the boys and just the girls. On Wednesday Dec. 17 and Friday Dec. 19 ALL CHOIR STUDENTS need to wear TO SCHOOL their black CONCERT clothes for a school assembly performances.

HOLIDAY DANCE

The holiday dance is Friday, December 19, 1997 at 1:30 PM. Tickets are \$4.00 with an AOMS sticker and \$5.00 without an AOMS sticker. Tickets go on sale Wednesday in the student service office and in the cafeteria during break.

BAND AND ORCHESTRA WINTER CONCERT Thursday, Dec. 18--8:00PM

On Thursday, December 18 at 8:00 PM the Instrumental music department will present the annual winter concert at AOMS. Featured will be the Orchestra, Beginning Band, Intermediate Band Advanced Band and Jazz Ensemble. Featured also will be some very talented young soloists that will promise to make this a very special evening for everyone. Band and Orchestra members need to report by 7:30 PM dressed in the black on black, concert dress. The concert will begin promptly at 8:00 PM. Come on out and support our talented AOMS Band and Orchestra members.



BROOKSIDE WETLAND CLUB MEETING

Wednesday, December 17th and Thursday, December 18th from 3-5 PM the Brookside Wetland Club will be going to the wetlands. They are to meet in room 27, Mr. Muckerheide's room. Be prepared to go to the wetlands. (Weather dependent!)



GYM OPEN DURING HOLIDAY BREAK

December 23rd and December 30th from 3:00-5:00 pm the gym will be open for all ALICE OTT STUDENTS. You can choose between basketball, volleyball or an aerobic workout with Mrs. Dix. Don"t just sit around and play Nintendo 64 or games on the computer all day come on over to the school for some great exercise and fun!



WETLAND CLUB MEETING

Thursday, January 29, 1998 from 3-5pm Mr. Muckerheide will be meeting in his room to go to the Wetlands. Be prepared for rain!

Common Fitness Mistakes

*Doing to much too soon when starting an exercise program. Don't try to get in shape in one day or week!

*Stretching cold muscles before exercising. Warm your muscles prior to stretching by jogging.

*Using improper form while exercising can be ineffective, even harmful.

*Wearing improper footwear. The right kind of athletic footwear is your

Boys' Babe Ruth Baseball Sign-ups

1:1

Boys 13-15 year old sign ups are Wednesday evening, January 28, 6:30 - 8:00 p.m. at David Douglas High School lobby. Please bring birth certificate and \$60.00. The fee includes a free hat.

ACTIVITIES

TUESDAY, January 27
SCHEDULE B

WEDNESDAY, January 28
SCHEDULE A
Early Release 11:15 AM

THURSDAY, January 29
SCHEDULE B

FRIDAY, January 30 SCHEDULE A

MONDAY, February 2
SCHEDULE B

PLAN AHEAD

Booster Meeting
February 3, 1998

6:30 PM Business Meeting



February 17, 1998



EIGHTH GRADE PARENTS & STUDENTS

High school counselors will be scheduling 20 minute appointments with each eighth grade student and his/her parent(s) to forecast for the 1998-99 school year. These meetings will be the weeks of MARCH 2-5 for Alice Ott Middle School. The purpose of the planning session will be to address long range goals, offer further information about academic programs and identify requirements for high school graduation, college planning. entrance and career Appointments will be held at the high school. PLEASE MAKE YOUR APPOINTMENTS TODAY!!! CALL 261-8348.



We have e-mail and direct Internet access throughout the district. If you have e-mail you can contact your students's teacher using the following address:

First name_Last name@ddouglas.k12.or.us

Be sure to type it just as it appears here, with the capitalization and no spaces.

Example: John_Smith@ddouglas.k12.or.us

David Douglas School District has a home page on the World Wide Web with district information and links to other sites of interest to students, parents, and teachers. Simply point your home computer's Web browser (Netscape or Mosaic) to the following address:

http//www.ddouglas.k12.or.us

PROPER FITNESS FOOTWEAR

*If you can afford it, get footwear for each type of activity you regularly participate in (i.e., running, tennis, cycling, walking, etc.)

*Do your research! Athletic footwear is no longer inexpensive so look at sport related magazines (i.e., Runners World) that publish reviews of athletic footwear.

*Ask the experts! You may pay a little more going to a specialized sports store, but if you are new to the activity they will probably lead you in the right direction.

*Try on several different brands and styles of shoes. There can be a big difference between shoes of the same brand.

*If you have special needs (i.e., pronator/supinator, heel striker, heavy footed, etc.) pay close attention to your shoes. You will want to replace your shoes sooner than most.

Bird/Bat Boxes

Bird/Bat Box placement at Brookside Wetland, Saturday, March 21 @ 10:00 A.M. See Mr. Muckerheide for more details or call 256-6510.

Also, remember the Wetland Meeting, Thursday, March 19th. Meet in room # 27, after school.

ACTIVITIES

TUESDAY, March 17

SCHEDULE B

Spring Pictures

Make-up High School

Forecasting in Library

Varsity Basketball: FLMS @ AOMS

WEDNESDAY, March 18
SCHEDULE A
Spring Pictures
JV Basketball Play-off Games @ 3:15

THURSDAY, March 19
SCHEDULE B/PM Assembly
Girls JV Basketball Championship
Game, 2:04 P.M.
Girls Basketball & Wrestling
Awards Assembly

ERIDAY, March 20 SCHEDULE A

MONDAY, March 30

SCHEDULE B

Track Season Begins

SPRING BREAK MARCH 23 - 27, 1998 No School

School will resume on Monday, March 30, 1998.



April 13, 1998

YOU'RE INVITED

Awards Assembly

Thursday, April 16th students earning scholarship certificates, citizenship awards and perfect attendance for the third quarter will be recognized in special assemblies

8th Grade--8:35 AM 7th Grade--9:15 AM

Parents are welcome to attend and honor their students with us!

WETLAND CLUB MEETING

WETLAND CLUB MEETING, Wednesday, April 15, 3:00-5:00 P.M. We'll go to Brookside depending on the weather. Meet in Room #27.

OPEN GYM

SATURDAY, April 18 11:30-3:30 COST IS \$1.00 CONCESSIONS OPEN

ACTIVITIES

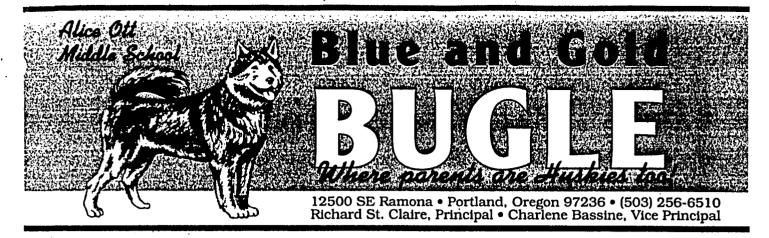
TUESDAY, April 14
SCHEDULE B

WEDNESDAY, April 15
SCHEDULE A
Wetland Meeting, Rm #27, 3PM

THURSDAY, April 16
SCHEDULE B
Awards Assembly--Auditorium
8th Grade--8:35 AM
7th Grade--9:15 AM

ERIDAY, April 17 SCHEDULE A

MONDAY, April 20 SCHEDULE B



April 20, 1998

The Results Are In!

Our Huskies have completed the third quarter for 1997-98, and the grades, citizenship and perfect attendance results are in.

There are 15 seventh graders who earned a perfect 4.0 or straight A's: Brandon Adams, Margaret Benson, Yulee Chang, James Evensen, Lauren Freeman, Eric Gefre, Valoree Hill, Joseph Kiefer-Lucas, Chris Mar, Daniel Mullen, Vanna Polizos, Jon Teague, Yelena Vlasyuk, Miao Zhao and Wes Wagner.

There are 14 eighth graders who earned a perfect 4.0 or straight A's: Reina Adamski, Emily Anderson, Ashlee Davis, James Kelly, Micah Knight, Matthew Ladd, Jennifer Meinig, An Nguyen, Jessica Overturf, Cindy Poon, Giovanni Ramirez, Amy Trieu, Jessie Trieu and Khouansiva Vongkhanty.

In addition to the above students there are 7 seventh graders who earned a 3.88, or all A's except one B: Georgina Benavides, Amy Cunningham, Jessica Gould, Blake Harer, Tatyana Krivoapova, Yelena Mikhaylov and David Smith.

In addition to the above students their are 10 eighth graders who earned a 3.88, or all A's except on B: Linda Ahmed, Elvira Bida, Jacqueline Evanado, Alaine Gee, Sarweshni Lata, Tam Le, Jessica Marsh, Hien Nguyen, Kimberly Snell and Prescott Tong.

A large number of our students earned honor roll status. There are 140 to be specific. All of these students received a scholarship certificate and a locker sticker at the Awards Assembly last week.

Attendance is a top priority for Huskies as it is so closely related to achievement. There were 64 students with perfect attendance. These students were in school every day, every period, as perfect attendance means "perfect" in every way.

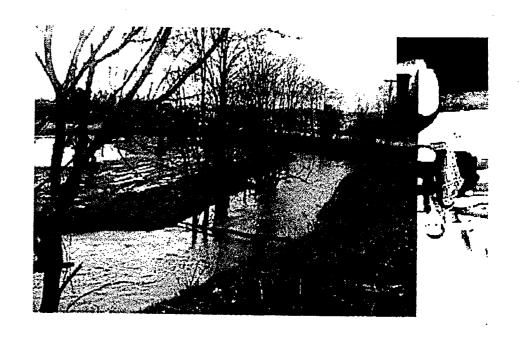
Citizenship is another special area for our Huskies. A student must receive the report card comment. "Displays Excellent Citizenship" in all eight classes and have no library fees to earn the citizenship certificate. This quarter 234 students earned this certificate.

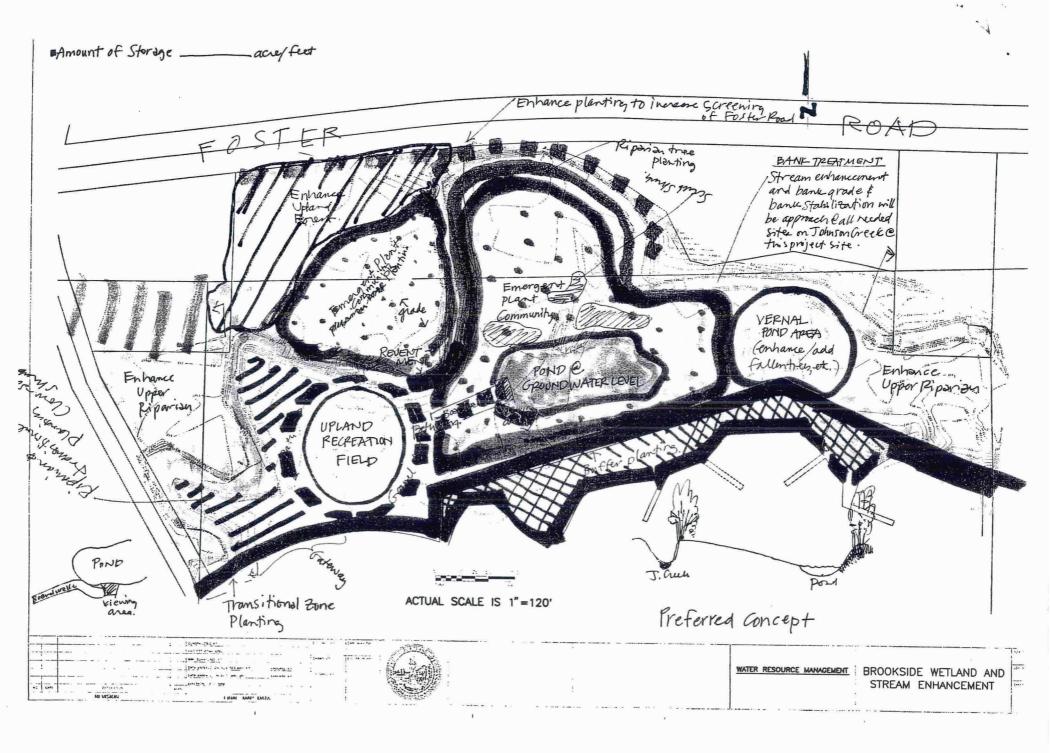
Congratulations to the students and their proud parents.

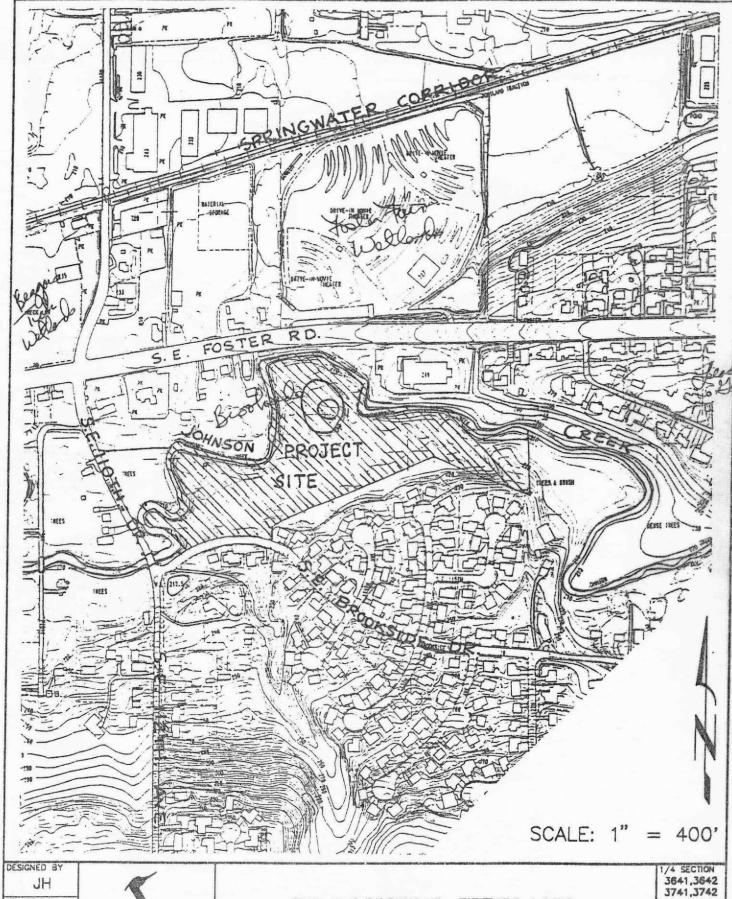












DRAWN BY BF CHECKED BY

DATE APPR

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BROOKSIDE WETLAND STREAM ENHANCEMENT LOCATION MAP AND

JOB NO.

5548

SHEET NO.

