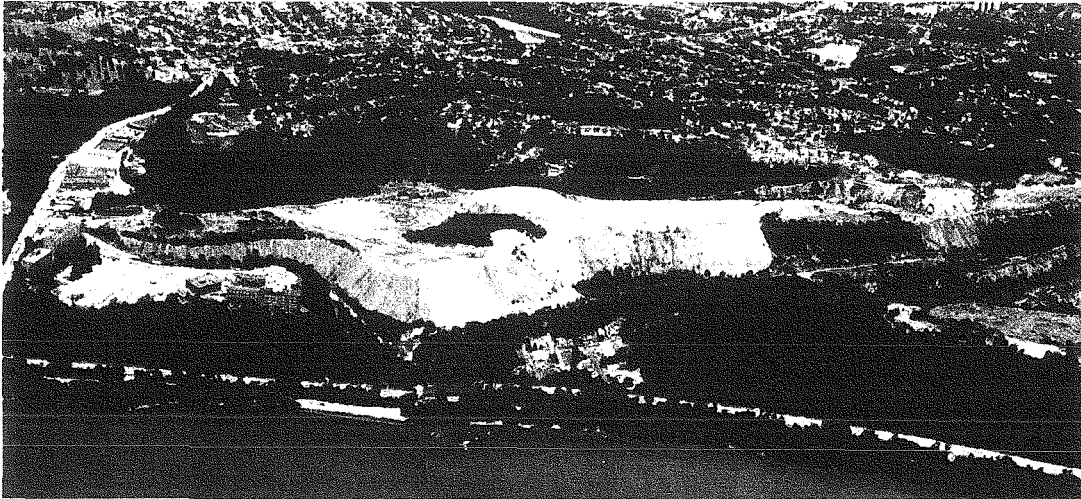


NINE MILE RUN WATERSHED RESTORATION

Proposal to
PA Department of Environmental Protection

Environmental Stewardship and Watershed
Protection Grant

Pennsylvania Growing Greener



Urban Redevelopment Authority of Pittsburgh

February 3, 2003

Environmental Stewardship and Watershed Protection Grant
Nine Mile Run Watershed Restoration

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U R B A N
REDEVELOPMENT
A U T H O R I T Y
OF
P I T T S B U R G H

February 3, 2003

DEP Grants Center
Rachel Carson State Office Building
400 Market Street, 15th Floor
P.O. box 8776
Harrisburg, PA 17105-8776

To the Growing Greener Grants Staff:

The Urban Redevelopment Authority of Pittsburgh is pleased to submit this grant application for the next phase of the Nine Mile Run Watershed Restoration project. We refer to this as the next phase since the restoration of the Nine Mile Run and the extension of Frick Park to the Monongahela River is a multi-year project and this work has already benefited from two Growing Greener grants. The work represented in this application builds on the work performed as a result of these two previous grants and helps insure that the investment of State Department of Environmental Protection is protected.


The redevelopment of former brownfield properties such as the Pittsburgh Technology Center, the South Side Works and Washington's Landing are all outstanding examples of former riverfront industrial sites that offer new residential and employment opportunities to citizens of the region. Where hot furnaces used to employ steelworkers, we see a new Pittsburgh: research and development jobs now help to diversify our local economy; an FBI Regional Office; the UPMC Sports Medicine Center providing state-of-the-art facilities for neighborhood users and visitors from around the country; a rowing center and boat marina; and beautiful housing that takes advantage of trails running along the rivers. The cleanup of the Nine Mile Run Watershed continues these remarkable transformations.

In part, the Nine Mile Run Watershed was a victim of our industrial past. The stream itself as it approaches the Monongahela River was nearly destroyed as slag, the by product of the steel-making process, was dumped for five decades on the gently rolling hills that graced this formerly beautiful valley. Natural vegetation was destroyed and Nine Mile Run was reduced into a narrow channel that was at the mercy of raging torrents of water after heavy rainfalls. In other areas the stream was culverted since urban streams were not viewed as recreational amenities.

Of course, there is no denying that our industrial past also made this City and this country what they are today. But now, nearly thirty years after the last load of slag was dumped at Nine Mile Run, work must continue on transforming this degraded environment. The City's Department of City Planning is working with the US Army Corps of Engineers on a \$5 million restoration of the Nine Mile Run stream while the 3 Rivers Wet Weather Demonstration Project and the Pittsburgh Water and Sewer Authority work on the rehabilitation of aging water and sewer lines. The grading of 14 acres of the slag dump was completed by the URA and private developers are nearing completion of Phase IA of Summerset at Frick Park, a market rate housing development.

This important work can continue with the assistance of the Pennsylvania's Growing Greener program. Your help has been invaluable in the past and we look forward to continuing our partnership in the future.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mulugetta Birru', written over the word 'Sincerely,'.

Mulugetta Birru
Executive Director



ENVIRONMENTAL STEWARDSHIP AND WATERSHED PROTECTION GRANT APPLICATION 2003

For office use only:

This form is to be used to apply to the Department of Environmental Protection for a grant to support restoration and protection of watersheds and environmental stewardship in the Commonwealth. Projects will be supported by state funds through Pennsylvania Growing Greener and/or federal funds. See instructions and grant program conditions.

PROJECT INFORMATION

- 1. Project Title (please be concise): Nine Mile Run Watershed Restoration - Phase III
2. Project Location. (a) Major River Basin(s): [X] Ohio/Great Lakes [] Susquehanna/Chesapeake Bay [] Delaware. (b) Watershed: Nine Mile Run / Monongahela (c) Municipality(ies): Pittsburgh
(d) County(ies): Allegheny (e) Latitude 40° 25' N Longitude 79° 55' W
3. [] Application Type: Watershed Protection (check only one)
A. [] Watershed group organization and/or support;
B. [X] Development of watershed restoration and/or protection plan: size of watershed: 6.5 sq. mi.
C.a. [] Design for large, multiphase projects. C.b. [] Construction, small or large;
D. [] Demonstration project;
E. [] Operation, Maintenance and Replacement project;
F. [] Education project/outreach;
4. [] Application Type: Source Water Protection (check both A & B if applicable)
A. [] Wellhead protection (ground-water source for public water system);
B. [] Watershed protection (surface-water source for public water system)
5. [] Flood Protection Projects

APPLICANT AND SPONSOR INFORMATION

- 6. Applicant Organization: Urban Redevelopment Authority of Pittsburgh
Address: 200 Ross Street, Pittsburgh, PA 15219
Contact Person: Marc Knezevich
Phone: (412)255-6656 Fax: (412) 255-6617 E-Mail: mknezevich@ura.org
Type of organization: [] Watershed Group [] Conservation District [] Non-profit [] School [X] Government
[] Community Water System (PWSID #)
Applicant's Federal Employer Identification Number (FEIN) or Tax Number: 24-6003317
Does the applicant have 501(c)(3) status? Yes [] No [X]

- 7. If your group is a watershed association that is not incorporated, you must find a sponsor to administer the grant on your behalf. See instructions for further information.
Sponsor's Name (Organization):
Address:
Sponsor's Contact Person:
Phone: () Fax: () E-Mail:
Sponsor's Federal Employer Identification Number (FEIN) or Tax Number:
Does the sponsor have 501(c)(3) status? Yes [] No []

PROJECT DETAILS

- 8. List the name of the DEP watershed manager with whom you discussed your application: Greg Holish
9. Does your project involve mine reclamation or remediation of abandoned mine drainage pollution? Yes [] No [X]
10. Are facilities or infrastructure projects to be funded under this application? Yes [] No [X]

If yes, is your project consistent with a county, municipal or multi-municipal comprehensive plan or zoning ordinance?

Yes No

11. Will your project implement recommendations of an existing watershed or river conservation plan, or source water protection plan? Yes No

If yes, identify the plan and responsible organization: Nine Mile Run Rivers Conservation Plan, City of Pittsburgh

12. Will your project hinder the practice of sustainable forestry? Yes No

13. Is your project located within a federal or state funded flood control project? Yes No

14. Attach a detailed **project description and the Proposed Project Summary Statistics** per suggested outline.

15. Budget Summary (Must be from attached Detailed Budget Worksheet)

Category	Grant Request	+	Match	=	Project Cost
Sponsor Salaries/Benefits		+		=	
Travel		+		=	
Equipment and Supplies		+		=	
Administration (max 2%)	\$35,773	+		=	\$35,773
Contractual	\$1,752,902	+	\$17,018,910	=	\$18,771,812
Construction		+		=	
Other		+		=	
Total for each column:	\$1,788,675				

16. Will competitive bidding be used? Yes No If yes, for which budget items?

17. Was this proposal submitted to another source for funding? Yes No

Name of other source: _____

18. Are you willing to accept federal funding for this project: Yes

19. Do you wish to be considered for other state grant programs? Yes No

20. Preferred period of performance: July 2003 to June 2007

21. Indicate the total reimbursement you would like during the following periods:

July 1, 2003 to June 30, 2004 \$388,675

July 1, 2004 to June 30, 2005: \$1,400,000

July 1, 2005 to June 30, 2006: \$ _____

CERTIFICATION AND SIGNATURE OF APPLICANT (REQUIRED) AND SPONSOR (IF APPLICABLE)

Applicant: I certify that the information in this application is true and correct to the best of my knowledge.

Submitted By: Urban Redevelopment Authority of Pittsburgh February 3, 2003
Applicant Organization Date

Mulugetta Birru [Signature] Executive Director
Printed Name Signature Title

Sponsor: I certify that the information in this application is true and correct to the best of my knowledge. I certify that I am willing to accept responsibility for a grant on behalf of the applicant.

Submitted By: _____
Sponsor Organization Date

Printed Name Signature Title

GRANT APPLICATION SUBMITTAL INSTRUCTIONS

Five copies of the completed Grant Application must be postmarked (if mailed), or received (if hand delivered) by 4:30 p.m. on February 3, 2003 at: DEP Grants Center, 15th Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8776, Harrisburg, PA 17105-8776. Telephone: 717-705-5400 or 1-877-PAGREEN

NO PERMANENT BINDING – STAPLES ONLY – DUPLEX PAGES
NO FAXES. LATE SUBMISSIONS WILL NOT BE CONSIDERED.

For electronic submission, visit DEP's website at www.dep.state.pa.us/growgreen/

Proposed Project Summary Statistics (Answer all applicable)		
		Fill in Blank
1	People Reached	(number)
2	Signs Posted	(number)
3	Meetings	(number)
4	Targeted Audience	
5	Creation of Website Pages	(number)
6	How will target audience's comprehension and the effectiveness of message be measured?	
7	Size of Watershed	sq. mi.
8	Stream Restoration Planned	mi.
9	AMD sources assessed	(number)
10	Stream restored	mi.
11	Fish Structures	(number)
12	Dams removed	(number)
13	Riparian Buffer restored	mi.
14	Wetland restored	acres
15	Passive Treatment Wetland created	acres
16	Mined lands restored	acres
17	Wells capped	(number)
18	Cattle crossings built	(number)
19	Fence installed	mi.
20	Other agriculture BMP's	(number)

Applicants should enter as much data as possible. Some questions are more important to the evaluation of certain types of applications: e.g. Education/Outreach – 1-6, Watershed Group Organization and/or Support – 3-6, Development of a Watershed Restoration and/or protection plan – 7-9, Construction and/or Installation of Watershed Restoration and/or Protection Plan – 10-20, Demonstration – 1-5, 10-20

DEP Growing Greener Budget Worksheet

This worksheet should be used to prepare Item #14 on the Application, Budget Summary, and must be submitted with the application package.

Totals for each category should be entered on the application form.

1. SPONSOR SALARIES/BENEFITS

INDIVIDUAL	POSITION	HOURLY RATE	HOURS	BENEFITS	TOTAL COST
TOTAL SALARIES/BENEFITS					

2. TRAVEL

Mileage: _____ miles @ \$_____/mile = _____	Ensure that maximum reimbursement are not exceeded. Rates can be found at www.dep.state.pa.us/growgreen/travel.htm
Meals: _____ = _____	
Lodging: _____ nights @ \$_____/night = _____	
TOTAL TRAVEL = _____	

3. EQUIPMENT and SUPPLIES (Non-Construction-Related Costs)

ITEM	QUANTITY	COST PER ITEM	TOTAL COST
TOTAL EQUIPMENT & SUPPLIES			

4. ADMINISTRATIVE (List all overhead -- 2% maximum -- see Instructions)

ITEM	COST
URA Administration	\$35,773
TOTAL ADMINISTRATIVE	\$35,773

5. CONTRACTUAL

A. CONTRACTOR SALARIES (List exact billing rate by task with no salary ranges, see instructions)

TASK	CONTRACTOR	HOURLY RATE	HOURS	BENEFITS	CONTRACTOR SALARY *
Phase II Grading	GAI Consultants, Inc	NA	NA	NA	\$1,400,000
Seep Abatement	GAI Consultants, Inc	NA	NA	NA	\$ 330,175
Invasive Plant Management	Civil & Environmental Con.	NA	NA	NA	\$ 58,500
TOTAL CONTRACTUAL SALARIES					\$1,788,675

* Value of consultant's proposal - detailed breakdown not available at this point.

B. OTHER CONTRACTUAL EXPENSES

ITEM	COST
Water Sample Analysis	
Permitting Application Fees (List FEE only)	
Other (List specific item)	
TOTAL OTHER CONTRACTUAL EXPENSES	

C. TOTAL CONTRACTUAL (= A+B)

CONTRACTOR SALARIES	OTHER CONTRACTUAL EXPENSES	TOTAL CONTRACTUAL

6. CONSTRUCTION (List time and materials; including Plants)

a. MATERIALS

TYPE OF MATERIAL:	COST PER UNIT:	COST
MOBILIZATION COSTS		
TOTAL MATERIALS		

B. LABOR

JOB:	TOTAL HOURS:	HOURLY RATE:	COST
CONSTRUCTION OVERSIGHT COST			
TOTAL LABOR			

C. TOTAL CONSTRUCTION (=A+B)

TOTAL MATERIALS	TOTAL LABOR	TOTAL CONSTRUCTION

7. OTHER

ITEM	COST
TOTAL OTHER	

8. MATCH

Please use the following table to calculate matching contributions of cash, goods and services to enter on the application form. Do not include other DEP funding sources or in-kind services. All items listed must be accompanied by a Letter of Commitment.

CONTRIBUTOR	BUDGET CATEGORY	DESCRIPTION	STATUS (applied for, pledged or in-hand)	VALUE in DOLLARS
Pennsylvania - RACP			In-hand	\$7,500,000
City of Pgh. - Capital Budget			In-hand	\$2,675,000
US Army Corps of Engineers			In-hand	\$4,271,052
Pgh Water&Sewer Authority			In-hand	\$2,514,358
Heinz Endowment			pledged	\$ 58,500

If your project is selected for funding through the Section 319 Nonpoint Source Management program, DEP contributions may be accepted as match. Please use the following table to describe potential contributions from DEP. Do **not** include these calculations on the application form.

PROGRAM or OFFICE	BUDGET CATEGORY	DESCRIPTION	STATUS (applied for, pledged or in-hand)	VALUE in DOLLARS

Department of Environmental Protection
Environmental Stewardship and Watershed Protection Grant Application
CHECKLIST FOR APPLICATION COMPLETENESS
(This must be completed and submitted with each Grant Project Proposal)

Applicant Sponsor: Urban Redevelopment Authority of Pittsburgh

Project Title: Nine Mile Run Stream Watershed Restoration - Phase III

Use a check if contained in your application. N/A means "Not Applicable"

GENERAL

- Discussed with Watershed Manager.
- The project addresses nonpoint sources of pollution.
- The project participants/responsible parties are identified.
- All tasks required to implement project are identified and assigned.
- The project outputs are listed.
- "Match" is supported with documentation.
- The application includes the original and four copies (a total of five)
- Provide the Conservation District with a copy of complete application.

APPLICATION

The two-page application form includes:

- Project Title
- Project Location
- Application Type
- Applicant Organization Information
- Sponsor Organization Information
- Discussion with DEP regional or mining watershed manager
- Project Description
- Funding Request Summary
- Applicant and/or Sponsor certification and signature

The proposal body and attachments include:

- Project Location Map
- Discussion of proposal's relationship to watershed plans
- Detailed Project Description including:
 - Executive Summary
 - Statement of Need and Justification of Funding
 - Proposed Scope of Work
 - Partnerships
 - Operation, Maintenance and Replacement Tasks and Responsibilities
 - Proposed Project Summary Statistics
 - Detailed Budget Worksheets
- Participating Partners' Letters of Commitment
- Letters of Support
- Letter of Acknowledgement from the Western or Eastern Pa Coalition of Abandoned Mine Reclamation, if applicable

Nine Mile Run Watershed Restoration

Executive Summary

The Nine Mile Run Watershed Restoration is a large scale, comprehensive effort to reconstruct an aquatic ecosystem in an urban area. This on-going effort has been funded by two previous Growing Greener grants and the tasks included in this application will build on the successful results of the previous grants. The quality of water of the Nine Mile Run watershed is influenced by a number of factors including: a deteriorated sanitary and combined sewer system; urban storm water runoff; and, alkaline leachate from the 238 acre slag dump. The slag dump site, which dominates the lower half of the 1.9 mile unculverted section of the Nine Mile Run stream, compromises the integrity of the stream through the non-point source pollution leachate, the instability of the slopes and the bareness of the riparian corridor. This proposal will deal with all three of these issues: one component involves the grading and revegetation of 65 acres of the slag site that will stabilize the steep slopes and permit the growth of vegetation that will reduce the rain percolation through the site; a second component involves an invasive plant management plan that will deal with the types of plants which are a threat to the ecosystem and park investments; and the third component will fund a seep remediation project that will collect the high pH discharge before it enters the stream channel and convey the flow to a municipal sanitary sewer system for treatment.

Statement of Environmental Need

Though the Environmental Need for this application and the Nine Mile Run Watershed Restoration project have been stated in past funding applications and are essentially unchanged, the major points will be restated in this section.

The Nine Mile Run watershed drains approximately 6.5 square miles and is a tributary of the Monongahela River in Eastern Allegheny County, Pennsylvania. The watershed includes portions of the City of Pittsburgh and the Boroughs of Edgewood, Swissvale and Wilkinsburg.

Approximately 34 percent of the watershed is classified as undeveloped land. As part of the City of Pittsburgh's efforts to reutilize former industrial sites, the Urban Redevelopment Authority of Pittsburgh acquired the former Nine Mile Run slag dump in September 1995. A portion of the site is being developed as a residential community called Summerset at Frick Park while over 100 acres of the site will become an extension of Frick Park, extending to the Monongahela River. This park land extension will provide an oasis of green space within an urban environment that because of its size will increase its value to wildlife, as well as the potential for ecosystem restoration.

As a result of urban development within the watershed, the remaining portion of the watershed has a significant percentage of impervious surfaces such as building rooftops, rooftops, roadways, patios and sidewalks. When it rains, the extensive impervious surface coverage results in very rapid runoff and high peak flow discharge during wet weather. Conversely, the stream flow yield from the watershed during dry weather periods is very low. Most of the Nine Mile Run stream is culverted with the major exception being the lower 1.9 mile reach of the stream.

At the beginning of the twentieth century, Nine Mile Run was one of the largest undisturbed areas in the City of Pittsburgh. Only a salt mine, a few farms and houses, and a small golf course were located within the lush Nine Mile Run valley. However, the communities of Wilksburg, Homewood, Edgewood and Squirrel Hill soon expanded into the watershed, and sewage and storm water were discharged untreated into Nine Mile Run and the Monongahela River. A much need trunk sewer line was finally constructed under and along Nine mile Run in the 1920's to collect sewage and storm water from nearby communities. The sewer systems installed in the early twentieth century are for the most part still in use today, and aging infrastructure is the source of many of the watershed's problems.

In addition to sewage problems, the Nine Mile Run watershed area has industrial waste problems. In 1922, the Duquesne Slag Products Company of Pittsburgh purchased 94 acres of the Nine Mile Run valley and began to dump millions of tons of slag on the property. For the next fifty years, the company gradually bought more and more land and continued disposal operations despite ongoing debates about zoning ordinances. Generated predominately from the Jones and Laughlin Steel Company plants in Pittsburgh, the slag was the unwanted by product from the production of carbon steel. By the end of the dumping operations in 1972, about 17 million cubic yards of slag had been piled over an area of about 238 acres along Nine Mile Run. In order to continue the efforts to restore the Nine Mile Run stream to a natural state, the steep slopes created by the dumping must be regraded and revegetated. Seeps which allow the discharge of groundwater with a high pH content must be collected before it enters the stream channel.

In addition to the degradation to the stream, environmental needs exist for revegetating areas of the Nine Mile Run Greenway. A threat to ecosystem and park investments is that invasive plants have taken hold in much of the Greenway. Invasive plants threaten aesthetics, natural diversity, and physical access in Frick Park and along the stream. Invasive plants can adversely impact public safety as thickets of invasive plants reduce access and visibility in parks and create an intimidating environment for runners, hikers and strollers.

Justification of Funding

The goal of this application is to provide the funding that will implement a grading plan (the studies for this grading plan were funded by the Growing Greener program) for 64 acres of the slag site that will stabilize the steep slopes, permit revegetation to occur and provide for intercepting high pH groundwater before it enters the stream channel. This work will be conducted within the context of a comprehensive watershed plan.

The Pennsylvania 21st Century Environment Commission recommended that “the ultimate goal for the protection of our water resources is the development of Comprehensive Watershed Management strategies that incorporate water quality and water quantity, surface and groundwater, aquatic ecosystem and natural diversity considerations. The Commission’s vision is to use a community-based Comprehensive Watershed Management approach to achieve these goals.” The City of Pittsburgh, along with the other watershed communities of Wilksburg, Edgewood and Swissvale Boroughs have approached the Nine Mile Run watershed in just this way. Beginning with a Pennsylvania Department of Conservation and Natural Resource (DCNR) River Conservation Plan for the Watershed in 1998, the City of Pittsburgh has endeavored to take a comprehensive approach to the restoration of Nine Mile Run. Components of the restoration include:

- Water Quality
- Water Quality / Stormwater Management
- Stream Restoration
- Slag Revegetation
- Public Access and Use

The grading and revegetation of Phase I of the conversion of the Nine Mile Run slag dump has been completed. The slope has been stabilized and successfully revegetated. Last year’s Growing Greener program funded a series of studies and plans that will contribute to the grading of the Phase II area. Also, treatment of invasive plants successfully occurred, but because of the nature of the problem and the size of the area, treatment must continue.

Proposed Scope of Work

The following work plan will be implemented by two firms that have been involved in previous work in the Nine Mile Run stream restoration, GAI Consultants, Inc. and Civil and Environmental Consultants, Inc. They will contract with the Urban Redevelopment Authority and / or the City of Pittsburgh.

WORK PLAN

This task proposes to facilitate the reclamation of approximately 65 acres of slag disposal pile and to revegetate steep slag slopes that are currently devoid of plant growth.

1.1 Excavation and Earth Fillgrade of 2 horizontal : 1 vertical to permit the placement of soil capable of sustaining plant growth and re-establishment of vegetation.

1.2 Blended Soil for Slope Stabilization

The Contractor will prepare a blend of soil material, granulated slag, and composted vegetation that will then be placed on the regraded steep slopes. The blend will also include various fertilizers and basic elements to control soil pH and enhance the establishment of vegetative cover.

1.3 Crush Concrete Debris

A large volume of concrete debris (large slabs and beams) was discovered buried during the initial phases of this project. This material was stockpiled for later use. The Contractor will crush this material to a suitable size to enable it to be recycled as fill material during the regrading of the existing slag pile.

1.4 Dust Suppression During Construction

The Contractor will utilize topical applications of dust palliatives and water sprays to active earthwork areas and haul roads during construction in order to limit fugitive emissions of airborne dust from mass grading operations.

1.5 Clearing and Grubbing

The Contractor will remove vegetative material from designated areas of the site. The cleared material will be shredded for use as organic compost in blended soil material.

1.6 Re-vegetation

The Contractor will plant various native warm season grasses, legumes, seedlings, mulch and trees to the reconfigured and stabilized steep slopes as the project progresses. The contractor will also apply various fertilizers and supplemental watering of the planted areas to promote the establishment of vegetative cover.

1.7 Remove Unsuitable Material

Various waste materials such as tires, railroad ties, telephone poles, trash and debris was discovered during the initial phases of this project. It is anticipated that additional material will be discovered during next phase of site reclamation given the site's previous history as a waste area. The

Contractor will remove and dispose of any materials that are unsuitable for use as fill in the earthwork operations.

1.8 Mobilization/Demobilization

The Contractor will transport large earthmoving equipment, crushing plant, Construction Office Trailer and Inspector's Office Trailer to the project site. The Contractor will also need to establish utility services to the mobile offices and establish and maintain proper sanitary facilities for employees. In addition the contractor will be required to establish and maintain various bonds and insurance for the duration of the project.

COST:

TASK 1

1.1	Excavation and Earth Fill	\$1,069,850
1.2	Blended Soil for Slope Stabilization	\$ 459,000
1.3	Crush Concrete Debris	\$ 200,000
1.4	Dust Suppression During Construction	\$ 173,100
1.5	Clearing and Grubbing	\$ 54,000
1.6	Re-vegetation	\$ 570,550
1.7	Remove Unsuitable Material	\$ 91,500
1.8	Mobilization/Demobilization	<u>\$ 182,000</u>
	SUBTOTAL	\$2,800,000

Task 2 – Seep Remediation

Due to the granular nature of the slag material, Rainwater landing on the surface and groundwater from buried springs infiltrates through the pile and emanates from the stream bank of Nine Mile Run in the form of seeps. Contact with the slag raises the pH of this groundwater to a value of approximately 11. This high pH discharge negatively impacts the water quality of Nine Mile Run. The seep remediation project proposes to collect the high pH discharge before it enters the stream channel and convey the flow to a municipal sanitary sewer system for treatment.

2.1 Access Road

The Contractor will construct a road that will be utilized for construction access and then later be used for maintenance access of the seep collection systems. The Contractor will also restore all areas impacted during the installation of the system.

2.2 Seep 1 Remediation

The Contractor will install a pile and plank cutoff wall approximately 110 feet in length adjacent to the Nine Mile Run Stream channel. The Contractor will then install an impervious liner, perforated pipe and aggregate material to collect the seepage flow. A conveyance pipe will

then be installed to carry the flow to an adjacent municipal sanitary sewer system.

2.3 Seep 2 Remediation

The Contractor will install a pile and plank cutoff wall approximately 110 feet in length adjacent to the Nine Mile Run Stream channel. The Contractor will then install an impervious liner, perforated pipe and aggregate material to collect the seepage flow. A conveyance pipe will then be installed to carry the flow to an adjacent municipal sanitary sewer system.

2.4 Seep 3 Remediation

The Contractor will install a pile and plank cutoff wall approximately 320 feet in length adjacent to the Nine Mile Run Stream channel. The Contractor will then install an impervious liner, perforated pipe and aggregate material to collect the seepage flow. A conveyance pipe will then be installed to carry the flow to an adjacent municipal sanitary sewer system.

2.5 Pipe Discharge Remediation

One of the high pH water discharge locations is from a 36" diameter concrete pipe. This pipe is buried deep within the slag pile and the upstream location can not be determined. The Contractor will install a manhole structure at the end of the pipe. Then an inverted siphon and conveyance line of approximately 370 feet in total length will be installed across the Nine Mile Run stream channel to an existing municipal sanitary sewer.

TASK 2

2.1	Access Road	\$	33,850
2.2	Seep 1 Remediation	\$	89,100
2.3	Seep 2 Remediation	\$	88,900
2.4	Seep 3 Remediation	\$	226,500
2.5	Pipe Discharge Remediation	\$	<u>222,000</u>
	SUBTOTAL	\$	660,350

Task 3 - Invasive Plant Management, Monitoring, and Environmental Information Management System

A threat to ecosystem and Frick Park investments are that invasive plants have taken hold in much of the Nine Mile Run Greenway. Invasive plants threaten aesthetics, natural diversity, and physical access. This task proposes to continue past work in battling this problem.

3.1 Professional Invasive Plant Management and Monitoring

CEC proposes to provide invasive plant management and monitoring services on approximately 55 acres of the 110-acre Nine Mile Run Greenway extension of Frick Park. These services include and build on approximately 44 acres of invasive plant management (IPM) already begun within the Greenway.

3.2 Volunteer Training in Field Monitoring of Invasive Plants

CEC will work closely with Nine Mile Run Watershed Association (NMRWA) staff to provide classroom and field training (up to five day-long sessions) to educate NMRWA volunteers in field monitoring techniques necessary to track the abundance and distribution of invasive plants in the invasive plant management areas. Although CEC will be monitoring invasive plants during the course of professional invasive plant management work, the purpose of this program will be to help develop a network of trained NMRWA volunteers to carry on monitoring beyond the term of professional invasive plant management services.

3.3 - Develop Web-Based Information Management System

CEC proposes to develop a web-based system for tracking and reporting of invasive plant management and monitoring activities in management areas. Although the system may appear to be complicated, it is designed to make ongoing data collection easy to organize and compare. information on the project and links to educational information.

3.4 - Volunteer Training in Data Entry and Maintenance

CEC will conduct two hands-on training seminars to educate volunteers on the use of the system. In addition, we will provide telephone support to the volunteers to assist them in their efforts, and may make modifications to the system to improve its ease of use.

Task 3

3.1 Professional Invasive Plant Management and Monitoring	\$85,000
3.2 Volunteer Training in Field Monitoring of Invasive Plants	\$8,000
3.3 - Develop Web-Based Information Management System	\$16,000
3.4 - Volunteer Training in Data Entry - Maintenance	<u>\$8,000</u>
SUBTOTAL	\$117,000

Partnerships

The City of Pittsburgh has worked closely with the URA, state and federal agencies, and many local organizations to assess the biological condition of this area, to develop the program necessary for watershed restoration and to implement this program. This particular phase of the plan, i.e., Phase II grading, seep abatement and invasive plant management will be managed by the URA.

To date, the City has invested over \$10 million in site grading and revegetation through the City's capital budget funding. The City of Pittsburgh, with support from Alcosan and the 3 Rivers Wet Weather Demonstration Program, has partnered with the US Army Corps of Engineers to implement an Aquatic Ecosystem Restoration in the Nine Mile Run stream corridor.

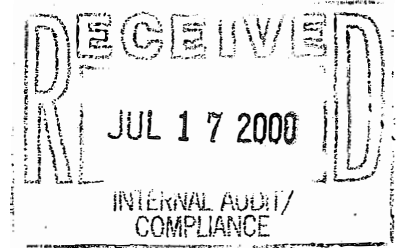
As mentioned earlier, the City has completed a State of Pennsylvania Rivers Conservation Plan for the Nine Mile Run Watershed, studying the existing conditions of the land, water, biological and cultural resources of the valley, and making recommendations on how to manage them. A Nine Mile Run Watershed Association has been funded and now has paid staff and office space.

Another partnership that has contributed to the quality of this project is the Mayor's Task Force on Nine Mile Run. This group meets monthly and is comprised of organization such as Swisshelm Park Community Group (support letter enclosed), the Squirrel Hill Urban Coalition, the URA, the residential developer and various City departments as different issues arise.

Nine Mile Run Watershed Conservation Plan

Project Matching Funds

PA Redevelopment Capital Assistance Program	\$7,500,000
City of Pittsburgh Capital Budget	\$2,675,000
US Army Corps of Engineers	\$4,271,052
Pittsburgh Water & Sewer Authority	\$2,514,358
Heinz Endowment	<u>\$ 58,500</u>
Total Project	\$ 17,018,910

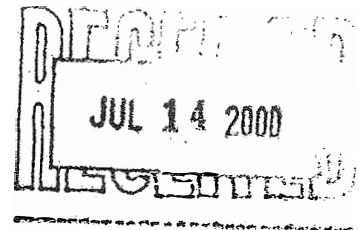


CONTRACT BETWEEN

COMMONWEALTH OF PENNSYLVANIA
(acting through the OFFICE OF THE BUDGET)

AND

Urban Redevelopment Authority of Pittsburgh



The parties to this CONTRACT, having agreed to and intending to be legally bound by the terms and conditions as set out above, have executed this CONTRACT as of the date of commencement.

URBAN REDEVELOPMENT AUTHORITY
OF PITTSBURGH

COMMONWEALTH OF PENNSYLVANIA
OFFICE OF THE BUDGET

By:

By:

6/1/00
Date

Robert A. Bittenbender 6/5/00
Robert A. Bittenbender Date
Secretary of the Budget

FEDERAL IDENTIFICATION NUMBER:

25-6003317

WITNESS:

[Signature] 6/1/00
Date

APPROVED AS TO FORM AND LEGALITY:

[Signature] 6/6/00
Chief Counsel Date
Office of the Budget

[Signature] 6/24/00
Deputy General Counsel Date
Office of General Counsel

[Signature]
Deputy Attorney General Date
Office of Attorney General

CERTIFICATION OF AVAILABILITY OF FUNDS:

I certify that \$3,500,000.00 of Capital Facilities Fund money is available for completion of the PROJECT under appropriation symbol 038-024-405-96-3-0020-00000-632.

[Signature] 7/10/00
Labor, Education, Date
and Community Services Comptroller

RECEIVED
COMPTROLLER'S OFFICE
JUL 05 2000
LABOR, EDUCATION AND
COMMUNITY SERVICES
COMPTROLLER'S OFFICE

APPENDIX A
APPLICATION ROUTE SHEET

I. CONTRACT INFORMATION

Project Name: Nine Mile Run
Termination Date: May 31, 2005
Grant Amount: \$3,500,000.00
Total Project Cost: \$8,173,000.00

II. APPLICANT IDENTIFICATION

Applicant Name: Urban Redevelopment Authority of Pittsburgh
Federal ID No.: 25-6003317
Address: 200 Ross Street
Pittsburgh, PA 15219
County: Allegheny
Telephone Number: 412-255-6620
Project Officer: Marc Knezevich
Chief Official: Mulugetta Birru, Executive Director
Legislative Districts: Senatorial 43 House 23

III. CODING INFORMATION

Funding Source: Redevelopment Assistance Capital
Coding: 038-024-405-96-3-0020-00000-632 = \$3,500,000.00

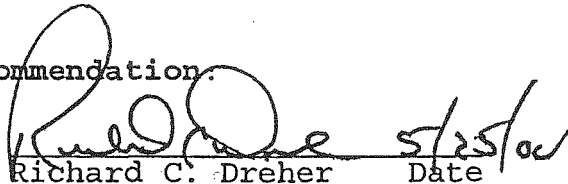
IV. COMMENTS/CONDITIONS

- Approved funding schedule is attached.
- Special conditions for this project are outlined in Appendix B.
- Supporting documentation is on file in the Office of the Budget.

V. DISPOSITION

Task Force Recommendation:

Approved


Richard C. Dreher

5/25/05
Date



COMMONWEALTH OF PENNSYLVANIA
OFFICE OF THE BUDGET
LEGAL OFFICE

Bell Tower - 7th Floor
303 Walnut Street
Harrisburg, Pennsylvania 17101-1808

James D. Neilson
Chief Counsel

(717) 787-5311
FAX: (717) 787-0827

E-MAIL ADDRESS:
jneilson@state.pa.us

January 19, 2001

FEDERAL EXPRESS

Mulugetta Birru
Executive Director, URA of Pittsburgh
200 Ross Street
Pittsburgh, PA 15219

Dear Mr. Birru:

Enclosed is Amendment No. 1 to the grant agreement for the Nine Mile Run redevelopment assistance capital project for your review and signature. This Amendment No. 1 increases the commonwealth's commitment to the project from \$3,500,000.00 to \$7,500,000.00. Please have the Amendment signed by all appropriate officers where indicated and return the within 15 business days to the following address:

Richard Dreher, Assistant Director
Bureau of Revenue, Cash Flow & Debt
Office of the Budget
Bell Tower, 7th Floor
303 Walnut Street
Harrisburg, Pennsylvania 17101-1808

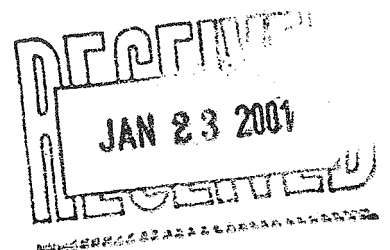
Once received, the amendment will be reviewed by the appropriate Commonwealth officials. After the amendment has been approved and fully executed, a copy will be forwarded to you.

If you have any questions, please call Richard Dreher at (717) 783-3086 extension 3008.

Sincerely,

for

James D. Neilson
Chief Counsel



SECRETARY'S CERTIFICATE

I, KATHLEEN M. TKACHIK, hereby certify that I am Assistant Secretary of URBAN REDEVELOPMENT AUTHORITY OF PITTSBURGH, and as such am in charge of the records and minute books of said Authority.

AND I DO FURTHER CERTIFY that the following is a true and correct copy of Resolution Number 35 duly adopted by the Board of said Authority at the Annual/Regular Meeting of the Members held January 9, 2003 at which meeting a quorum was present and voting throughout that the same remain in full force and effect at the date of this Certificate.

RESOLUTION NO. 35 (2003)

RESOLVED: That the Executive Director, on behalf of the Authority, is hereby authorized and directed to execute a Cooperation Agreement with the City of Pittsburgh providing for the transfer of \$2,675,000.00 in 2003 Bond Funds to the Authority to be used for Nine Mile Run and the Secretary or Assistant Secretary is authorized and directed to attest same and affix the seal of the Authority thereto.

IN WITNESS WHEREOF, I hereunto affix my signature and the seal of the Urban Redevelopment Authority of Pittsburgh this 3rd day of February, 2003.

(SEAL)


Assistant Secretary

RESOLUTION NO. 126 OF 2000

**Further Amending Resolution No. 125 of 1998
Providing for Agreement
With Urban Redevelopment Authority of Pittsburgh
For Construction of Water and Sewer Line Improvements
In Connection with the
Nine Mile Run Development Project**

WHEREAS, pursuant to Resolution No. 125 of 1998, the Authority entered into an Agreement with URA of Pittsburgh for Construction of Sewers and Waterlines in connection with the Nine Mile Run Development; and

WHEREAS, pursuant to Resolution No. 128 of 1999, Resolution No. 125 of 1998 was amended to increase the total cost of the Agreement to an amount not to exceed Two Million Dollars and no cents (\$2,000,000.00); and


WHEREAS, pursuant to Resolution No. 61 of 2000, Resolution No. 125 of 1998 was amended to increase the total cost of the Agreement to an amount not to exceed One Million Four Hundred Fifty Thousand Dollars and no cents (\$1,450,000.00); and

WHEREAS, the URA of Pittsburgh has requested that the project receive additional funding in the amount of Two Million Dollars and no cents (\$2,000,000.00); and

WHEREAS, the Authority concurs with the URA's request.

NOW, THEREFORE, BE IT RESOLVED, that Resolution No. 125 of 1998 is hereby amended to increase the total cost of the Agreement to an amount not to exceed Five Million Four Hundred Fifty Thousand Dollars and no cents (\$5,450,000.00).

**DULY ADOPTED AT A REGULAR
MEETING OF THE PITTSBURGH
WATER AND SEWER AUTHORITY
HELD ON OCTOBER 13, 2000.**


Secretary

**U.S. Army Corps
Of Engineers
Pittsburgh District**

**SECTION 206
NINE MILE RUN ECOSYSTEM RESTORATION PROJECT
ALLEGHENY COUNTY, PENNSYLVANIA
US ARMY CORPS OF ENGINEERS, PITTSBURGH DISTRICT
AND
CITY OF PITTSBURGH**

**PROJECT MANAGEMENT PLAN
IMPLEMENTATION PHASE**

April, 2001

TOTAL REAL ESTATE DIVISION	\$ 248,183
(FEDERAL)	\$ 38,684
<i>(NON-FEDERAL - not included with Total Corps Costs)</i>	\$ 209,499

7.a.5. Construction Division

1. Oversight of City Construction Contract	\$ 4,550
2. Scope of Work - Design/Build Contracts	\$ 5,180
3. Construction Management of Corps Contracts	\$ 208,394
4. Construction Contract	\$3,390,830

TOTAL CONSTRUCTION DIVISION	\$3,608,954
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TOTAL CORPS COSTS	\$4,271,052
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7.b. NON-FEDERAL SPONSOR

Listed below are the estimated costs to perform the work outlined in paragraph 4.b. The work associated with the costs in item 6 and 7 will be completed by the Corps, but paid for by the Non-Federal Sponsor.

1. Plans and Specifications	\$ 537,026
2. Credit for project land owned by non-federal sponsor	\$ 146,250
3. Relocations (Baseball and Soccer Field)	\$ 64,000
4. Construction	\$1,337,795
5. Project Management	\$ 60,465
6. <i>Payments to Corps for Real Estate Services</i>	\$ 154,990
7. <i>Land Payments</i>	\$ 54,509

TOTAL NON-FEDERAL SPONSOR COSTS	\$2,355,035
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COST SHARE SUMMARY:

The following costs show the entire estimate of project costs including actual costs incurred during preparation of the ERR. Costs will be shared at 35% Non-Federal, 65% Federal.

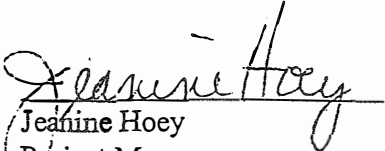
A. Total Non-Federal Sponsor Costs	\$2,690,100
Work-in-Kind Credit ERR	\$ 335,065
Work-in-Kind Credit Design	\$ 554,296

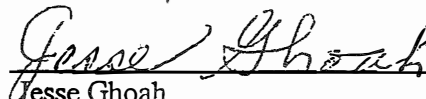
STATEMENT OF CERTIFICATION

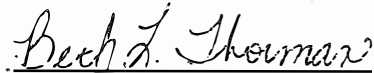
TEAM MEMBERS

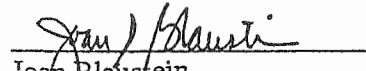
SECTION 206 NINE MILE RUN ECOSYSTEM RESTORATION PROJECT IMPLEMENTATION PHASE

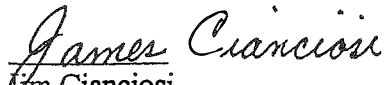
This is to certify that the undersigned concur with the information contained within this document to include the scope of work, assignment of responsibilities, costs and schedules. It is understood that this PMP is a working document and will be updated as necessary on a continual basis.

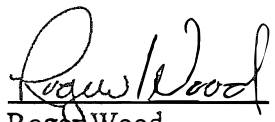

Jeanine Hoey
Project Manager


Jesse Ghosh
Construction Key Team Member


Beth Thorman
Engineering Key Team Member


Joan Blaustein
City of Pittsburgh Key Team Member


Jim Cianciosi
Planning Key Team Member

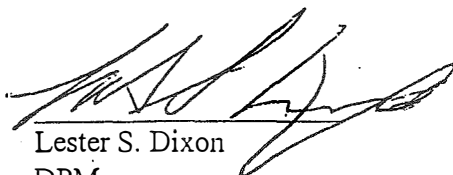

Roger Wood
Real Estate Key Team Member

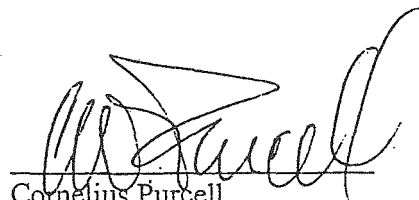
STATEMENT OF CERTIFICATION


DIVISION CHIEFS


SECTION 206 NINE MILE RUN ECOSYSTEM RESTORATION PROJECT IMPLEMENTATION PHASE

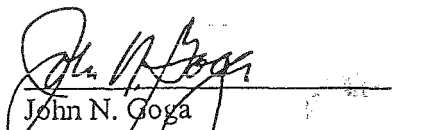
This is to certify that the undersigned concur with the information contained within this document to include the scope of work, assignment of responsibilities, costs and schedules. We agree to provide the required resources as identified herein to ensure the production of quality products identified by this document. It is understood that this PMP is a working document and will be updated as necessary on a continual basis.

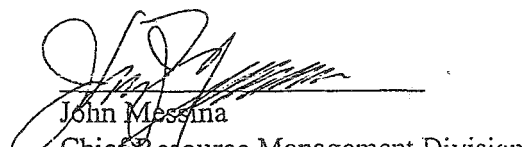

Lester S. Dixon
DPM

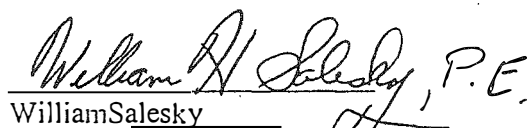

Cornelius Purcell
OC

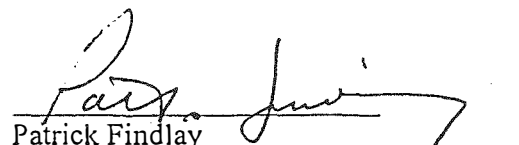

Daniel H. Hitchings
Chief Engineering Division

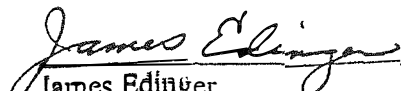

Colleen Lindauer
Chief Contracting Division


John N. Goga
Acting Chief Real Estate Division


John Messina
Chief Resource Management Division


William Salesky
Acting Chief, Planning Branch


Patrick Findlay
Chief Operations and Readiness Division


James Edinger
Chief Construction Division



January 31, 2003

DEP Grants Center
Rachel Carson State Office Building
400 Market Street, 15th Floor
P.O. Box 8776
Harrisburg, PA 17105-8776

Tom Murphy
Mayor
Susan Golomb
Director

Commissioners
Thomas W. Armstrong, Chair
Clifford B. Levine, Vice Chair
John F. Doherty, Secretary
Peter Czuczman
Claudette R. Lewis
Dan Keller
John Martine
Jeff Letwin
Thelma Lovette

Dear DEP Folks:

In 1995 The Urban Redevelopment Authority of Pittsburgh acquired the 238 acre Nine Mile Run site. This former slag dump had sat vacant over 20 years after serving as a permanent storage area for the byproduct of the steel making process for five decades.

Since its acquisition, a residential developer was selected and a plan is being implemented that will result in the development of 713 units of market rate housing. Twenty-five homes have already been completed and occupied. In addition to this residential development, which is called Summerset at Frick Park, over 100 acres of the Nine Mile Run site will be retained by the City for the purpose of extending Frick Park approximately one mile along the stream valley to the Monongahela River. The Department of City Planning has been working as a partner with the URA in terms of coordinating the restoration of Nine Mile Run, the urban stream which bisects the site.

High quality housing depends upon a number of factors including amenities of adjacent land uses. Homes located on a riverfront, lakeside, or a golf course are many times highly sought after locations. Similarly, the homes at Summerset at Frick Park will be adjacent to a beautiful park offering hiking trails and a restored natural stream. We fully support the Nine Mile Run Watershed Restoration Growing Greener application as it will assist in improving the water the water quality of Nine Mile Run and assist in the slag revegetation, both critical elements to successfully reclaiming this former industrial property.

Please do not hesitate to call if you have any question.

Sincerely,

Susan Golomb
Director

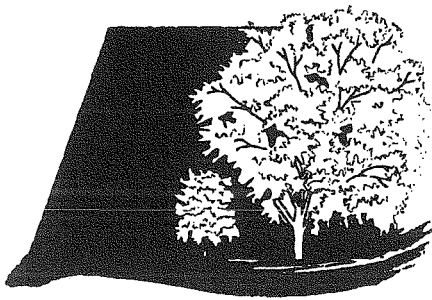
Pittsburgh Counts - The City of Pittsburgh Complete Count Committee
200 Ross Street Pittsburgh Pennsylvania 15219 (412) 255-2200 Fax: (412) 255-2838 TDD 412-255-2222

Recipient of the Ford Foundation and Harvard University's John F. Kennedy School of Government

1999 Innovations in American Government Award.

Official Internet Address: www.city.pittsburgh.pa.us





NINE MILE RUN

WATERSHED ASSOCIATION

EDGEWOOD SWISSVALE PITTSBURGH WILKINSBURG

1400 South Braddock Avenue Pittsburgh, PA 15218
email: NMRWA@hotmail.com phone: 412-848-7890

Marc Knezevich
Urban Redevelopment Authority of Pittsburgh
200 Ross Street
Pittsburgh, PA 15219

January 29, 2003

Dear Mr. Knezevich:

The Nine Mile Run Watershed Association (NMRWA) is pleased to support the Urban Redevelopment Authority's proposal to the PA DEP Growing Greener program to perform grading and re-vegetation of the steep slag slopes and to continue invasive plant management in the Nine Mile Run valley.

The mission of NMRWA is to involve citizens in the restoration and protection of the ecosystem of the Nine Mile Run watershed, with special emphasis on Frick Park, through education, stewardship, and advocacy programs. Our goal is to increase community awareness of watershed issues by implementing a variety of education, stewardship, and advocacy initiatives.

In particular, NMRWA is looking forward to partnering with Civil and Environmental Consultants (CEC), the lead contractor for invasive plant management, in their continued efforts to manage and monitor invasive plants in the Nine Mile Run valley. NMRWA will work with CEC to develop a volunteer monitoring program in the treatment areas in lower Frick Park. We will then manage volunteer data collection and provide CEC with the data, which will be used by their scientist for future management and planning.

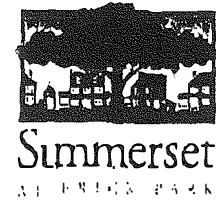
This type of partnership provides the best possible support for a citizen-monitoring program such as ours. Volunteers will be able to gather data along side working scientists and will be able to directly see the impact of their work on the ecosystem management of Frick Park. CEC's enthusiasm and commitment to involving citizens in this important work is commendable. This project will help to advance our goals of educating citizens about watershed health and creating stewards for the long-term sustainable restoration and protection of the Nine Mile Run watershed.

Both the grading and re-vegetation of the steep slag slopes and the invasive plant management and monitoring projects will lead to a healthier Nine Mile Run watershed. I strongly encourage PA DEP to give the Growing Greener proposal by the Urban Redevelopment Authority full consideration and support.

Sincerely,

A handwritten signature in black ink, appearing to read 'Marijke Hecht', written over a horizontal line.

Marijke Hecht
Executive Director



A new downtown neighborhood

January 30, 2003

Mulugetta Birru
Executive Director
Urban Redevelopment Authority
200 Ross Street
Pittsburgh, PA 15219

Re: Nine Mile Run Growing Greener Initiative

Dear Mulugetta:

We continue to work with your staff at The Urban Redevelopment Authority to move forward with the development of *Summerset at Frick Park*. As you know from your valued participation, we now have over 25 families living on site, and construction taking place on over 60 units including single-family homes and rental townhomes. Our Phase IB database of prospective buyers now includes almost 600 participants.

One of the key components of *Summerset* and a condition of the community process includes the clean up of the Nine Mile Run Watershed and Stream, which is currently underway. This Growing Greener grant will provide for the continued success of the stream remediation project while enabling the entire stream corridor, from Parkway 376 to the Monongahela River, to be re-vegetated. Not only does this assist in the viability of *Summerset* but also it extends the public amenity of Frick Park.

This letter is to confirm our support of your application. Please let us know if we can be of any further assistance.

Sincerely,

Mark C. Schneider

Marc Knezevich

Sarah Jackson Black Community Center

January 31, 2003

Marc Knezevich
Urban Redevelopment Authority of Pittsburgh
200 Ross Street
Pittsburgh, PA 15219

Dear Marc:

The Swisshelm Park Community Group supports the Urban Redevelopment Authority's proposal to the PA DEP Growing Greener program to fund continued efforts to clean up the Nine Mile Run Watershed.

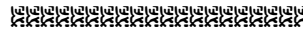
Our community group has worked with the URA through the forum of the Mayor's Nine Mile Run Task Force to insure that development of the residential component of this project, Summerset at Frick Park, addresses the concerns of the surrounding neighborhoods. We have also worked to strengthen the connections to Frick Park; past funding from the Growing Greener program have been used successfully in terms of assisting efforts to clean up the Nine Mile Run stream corridor and it is imperative that these efforts continue if neighborhood residents are to fully realize the park's amenities.

The transformation of the former slag dump has truly been remarkable, but the job has not been completed. The Growing Greener funding can help insure that this former wasteland and degraded stream are restored

Sincerely,



John Shields,
Swisshelm Park



Allegheny County Conservation District



Lexington Technology Park, Building 1, Ste. 102 - 400 North Lexington Street - Pittsburgh, PA 15208-2566
Phone (412) 241-7645 - Fax (412) 242-6165

January 28, 2003

Michael Sherman
Department of Environmental Protection
Growing Greener Grants Center
15th Floor – Rachel Carson State Office Building
400 Market Street
P.O. Box 8776
Harrisburg, PA 17105-8776

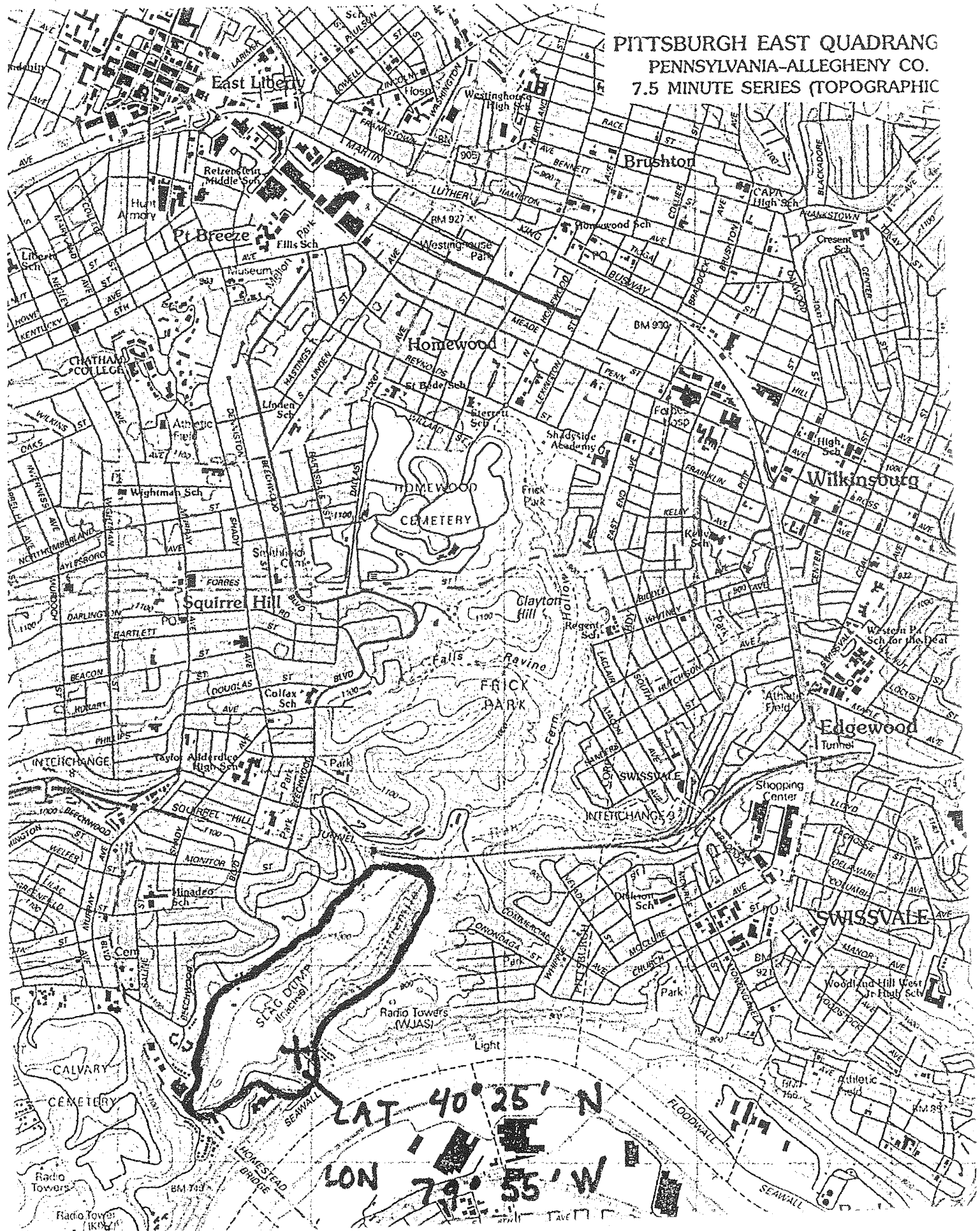
Dear Mr. Sherman:

This letter acknowledges that the Allegheny County Conservation District is aware that the Urban Redevelopment Authority of Pittsburgh plans to submit an application for a Growing Greener Grant for the Nine Mile Run Watershed Restoration – Phase III project.

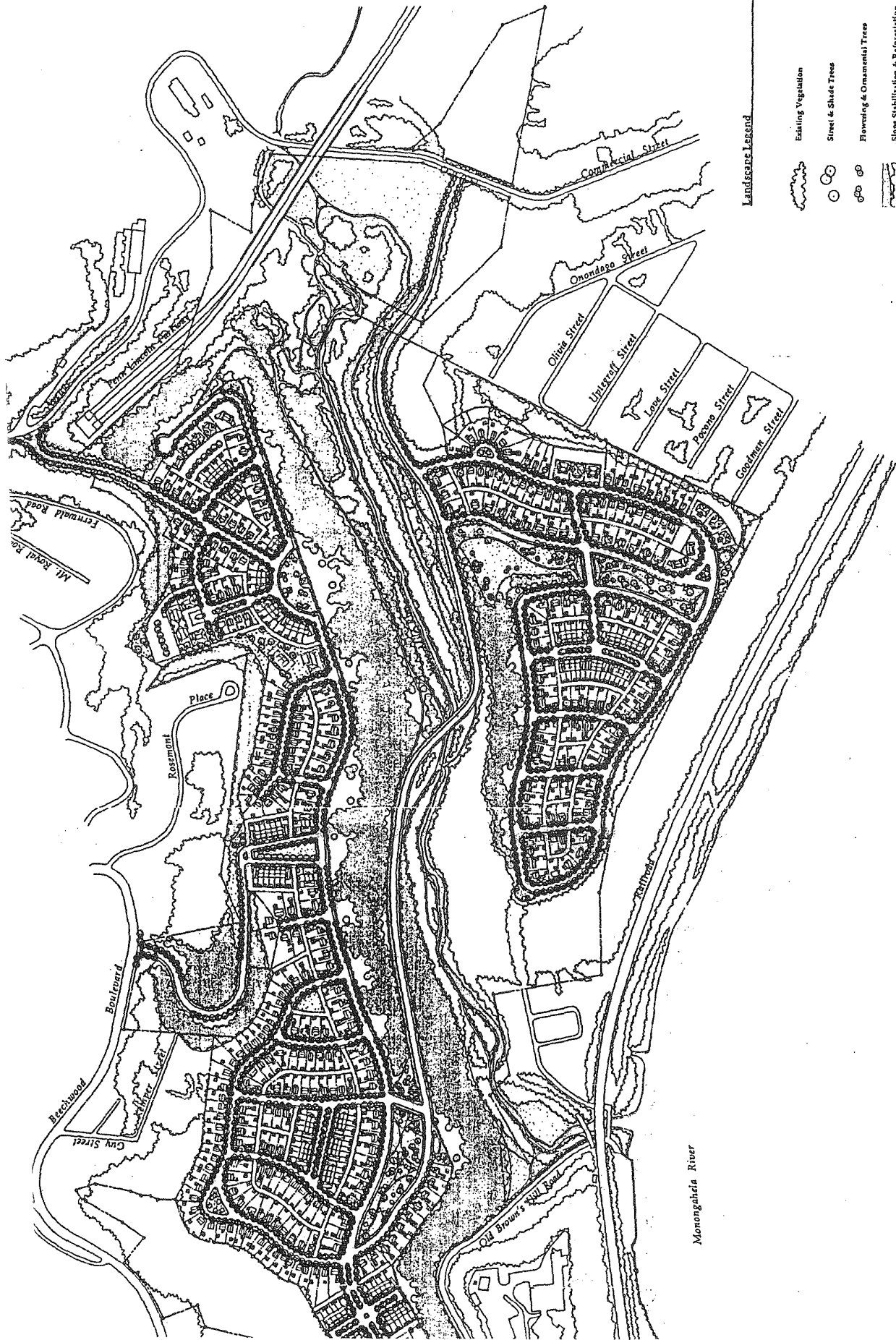
Sincerely,

Robert S. Hester, Chairman
Board of Directors

PITTSBURGH EAST QUADRANG
PENNSYLVANIA-ALLEGHENY CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



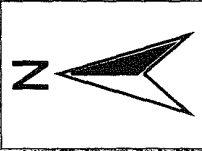
LAT 40° 25' N
LONG 79° 55' W



Landscape Legend

- Existing Vegetation
- Street & Shade Trees
- Flowering & Ornamental Trees
- Slope Stabilization & Reforestation
- Lawn

Summeret



Frick Park
Nature Center

FRICK PARK

Open
Square

2002-2003 INVASIVE PLANT MANAGEMENT AREA
PHASE 1B

Commercial Avenue

Northern

1-376

Squirrel Hill

