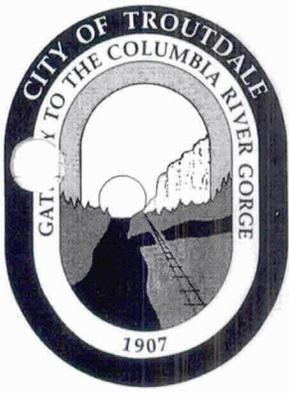


932789
CITY OF TROUTDALE



Metro Restoration Grant

For

The Sandee Palisades Detention Basin Naturalization Project 1993-1994

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GREENSPACES RESTORATION PROJECTS PRESENTATION PAPERS FORMAT

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Project Area Map (e.g., relationship to City) 8½" x 11"

Project Site Map 8½" x 11"

PROJECT DESCRIPTION

- a) The Project location is in Multnomah County, T1N, R3E, WM, Section 36, Tract B on a small tributary stream 3 1/2 miles upstream the Sandy River from the Columbia River.
- b) The Sandee Palisades Detention Basin Naturalization Project converted a 1 1/2 acre grass bowl with a concrete trench into a meandering stream surrounded by native plant materials. Our goal is to improve urban storm water quality before that water enters the Sandy River.
- c) The problems addressed at this site included:
 - 1. Difficult and expensive maintenance
 - 2. Little recreational value
 - 3. Poor aesthetics
 - 4. Little wildlife value
 - 5. No water quality treatment for urban storm water
 - 6. Negative neighborhood impact (dumping & debris)
 - 7. Mosquito breeding
 - 8. Adjacent fragile slopes impacted by recreational use.

Each of these problems can be solved by redesigning and properly naturalizing the site.
- d) Neighborhood involvement in the design and implementation of the naturalization project provided a positive influence to those living near the detention basin. By properly naturalizing this site it reduces maintenance (once established), improves recreational value, aesthetics, wildlife habitat, and water quality. Mosquito infestation is diminished.
- e) Naturalizing the site improves wetland riparian and upland conditions by providing aeration and filtration and cooling shade to the storm water that is flowing through the site. 162 homes, associated streets and a 4.6 acre neighborhood park drain to the detention basin.

The watershed area is approximately 25 to 30 acres. The detention basin drains over a 150 foot embankment and through several hundred feet of wooded area directly to the Sandy River.

The original intent of the basin was to control storm water from going over the embankment too quickly and thereby avoid erosion problems. That function is retained. The existing water level control structure was left in place.

The vegetation planting provides habitat for wildlife and stabilizes the banks and edges located in the detention basin. Removing the concrete trench from the detention basin bottom and replacing it with a natural rocky stream provided aeration and filtration.

WORK TASKS AND TIMELINES

- 7/92 - 3/98 On-going Project Planning, scheduling, coordinating, monitoring and evaluating .
- 3/93 - 7/93 Permits All are processed by April 1993 except for DSL. Water Resources was the hold up - the correct office to review area projects took two tries to identify. The in-stream work was on hold until DSL issued permit, 7/1/93.
- 3/93 - 5/94 Promoted work parties utilizing city newsletter, school programs, scouts and local newspaper. Also, mailed information to neighborhood - 22 residences, that surround the site.
- 4/93 Inventoried existing vegetation in adjacent natural area.
- 5/93 Searched for plant materials to purchase for project.
- 6/93 - 9/93 Scout project - Rock Research, Collection and Placement by Brian Handy.
- 5/93 Scout project - Bird and Bat House building and installation by Ben Matz.
- 4/93 & 6/93 Used Round-up to spray out existing grass and weeds. Very good control accomplished with two applications, two months apart.
- 5/93 Good news from original 1978 engineers. Project doesn't significantly impact design for storm water flow.
- 5/93 Economy mix ordered and delivered for soil amendment - \$300.00 for 5 units delivered.
- 5/93 Found good variety of native plants available from Bosky Dell Nursery. One truck and trailer load held 500 plants, mostly one, two and three gallon stock.
- 5/22/93 First work party - 75 volunteers plant "upland" plants on Northern slope. Many ages participated. Wet weather made plenty of mud to slosh in.

- 6/12/93 Second work party is much smaller with 15 volunteers and two staff planting in the east end of the project - trees, shrubs and ground covers.
- 6/93 Source and specs for liner - ordered.
- 6/93 Prepared contracts for excavation and watering.
- 7/93 Watering contract begins. Completed in early September.
- 6/93 - 8/93 Contact contractors - no luck in receiving interest from contractors through the busy summer season. Received two bids in late summer for August excavation.
- 5/93 - 10/93 Neighbor on southern side of project agrees to provide water connection for watering. Project to pay his water bill for five months during growing season.
- 8/93 Excavation begins. Concrete channel is removed. Grading for stream bed and walkway completed. Liner installed. Boulders and log placed. River rock delivered. River rock placed by front loader. Mulch delivered. Mulch placed with front loader. Each of these steps were completed by the contract excavator and his equipment. City staff ordered and coordinated the material deliveries.
- 9/93 Third work party - 75 school kids and parents came to hand place stream bed rock - moss side up!
- 9/93 Fourth work party - 20 school kids plant native trees and shrubs.
- 9/93 Goodwill Industries is contracted to provide labor for placing a gravel path, bench and to plant remaining trees, shrubs, ground covers, wildflowers.
- 9/93 Kids in the neighborhood see more planting and they came to help.
- 10/93 In-house staff completes planting with wildflowers and meadow (far east end).
- 10/93 Installed safety grates over storm drain openings.
- 10/93 Project construction and planting is completed.

- 11/93 Heavy rains combine with frozen leaves to clog the outlet. A deep pond results. The newly installed "safety grate" is removed for the winter. The 6' deep pond is not desired due to safety issues. Once the outlet is cleared the excess water recedes to reveal the plantings intact.
- 12/93 - 3/94 Construction activity occurring upstream from the detention basin results in 6" depth silt deposits in the first fifty feet of the detention basin. The log placement slowed the water down, so the silt deposits dropped here. That is better than the Sandy River. However, we will need to remove at least some of the silt to ensure proper flow for the storm drain.
- 4/94 Several plants are replaced, most survived the winter.
- 5/94 School kids and parents came to clean-up the silt and learn about a proposed erosion control ordinance.
- 5/94 Weed control via mechanical removal is scheduled for in-house staff to carry out. Milkweed, groundsel, Himalayan blackberry are the targets. Some grasses, bigleaf maple and clover will stay - these are not considered weeds at this site.
- 6/1/94 Complete the report and billing for submission to METRO.

SUMMARY OF EXPENSES

<u>DATE</u>	<u>CHECK NO.</u>	<u>VENDOR</u>	<u>DESCRIPTION/WORK DONE</u>	<u>MATERIALS, PLANTS, & SUPPLIES</u>	<u>CONTRACTOR & EQUIPMENT RENTAL</u>	<u>PROFESSIONAL SERVICES</u>	<u>CITY EMPLOYEES</u>	<u>REIMBURSEMENT REQUEST</u>
12/9/92	27184	CITY OF TROUTDALE	SDRC REVIEW			27.00		13.50
3/10/93	27892	WILBUR ELLIS CO	ROUND UP	305.48				152.74
5/19/93	28362	LEE ENGINEERING	ENGINEERING SERVICES			487.50		243.75
6/2/93	28438	BOSKEY DELL NURSERY	PLANTS	1,366.00				683.00
6/16/93	28576	SUPPLY ONE	3-COMM HOSE & 3-OSCILLATOR	164.94				82.47
6/23/93	28605	GREENSTAR SPECIALTY PLANTS	PLANTS	537.10				268.55
6/23/93	28632	TEUFEL NURSERY	PLANTS	421.60				210.80
6/16/93	28568	MT SCOTT FUEL CO	BARK MULCH	300.00				150.00
6/23/93	28635	UNITED HORTICULTURAL SUPPLY	FELCO BLADE	7.10				3.55
7/7/93	28693	UNITED HORTICULTURAL SUPPLY	ROUND-UP & SURFLAN	376.75				188.38
6/30/93	93-0453	CITY JOURNAL VOUCHER	CREDIT JUNE WATER CHARGES	23.34				11.67
9/30/93	94-0107	CITY JOURNAL VOUCHER	CREDIT AUGUST WATER CHARGES	59.96				29.98
9/30/93	94-0111	CITY JOURNAL VOUCHER	CREDIT JULY WATER CHARGES	38.06				19.03
10/06/93	29417	LAYFIELD PLASTICS LTD	PVC LINERS	1,672.40				836.20
10/31/93	94-0155	CITY JOURNAL VOUCHER	CREDIT SEPTEMBER WATER CHARGES	84.86				42.43
10/31/93	94-0216	CITY JOURNAL VOUCHER	CREDIT OCTOBER WATER CHARGES	25.50				12.75
8/18/93	29032	MONICA TONN	WATERING (JULY 3 - AUGUST 5)		105.00			52.50
9/15/93	29264	MONICA TONN	WATERING (AUGUST 6 - AUGUST 20)		150.00			75.00
9/22/93	29326	SCAPOOSE SAND & GRAVEL	RIVER ROCK DELIVERED	1,102.42				551.21
9/29/93	29375	SK SEWER CONST & EXCAVATING	EXCAVATION		4,995.00			2,497.50
10/6/93	29421	MONICA TONN	WATERING (9/8-10/1) & Y CONNECTOR	4.99	90.00			47.50
10/13/93	29570	MT SCOTT FUEL CO	BARK MULCH	1,680.00				840.00
11/3/93	29728	GREENSTAR SPECIALTY PLANTS	PLANTS	1,458.10				729.05
11/03/93	29730	GRESHAM SAND & GRAVEL	CRUSH ROCK	90.81				45.41
11/10/93	29779	GOODWILL TEMPORARY SERVICES	LANDSCAPING LABOR		872.49			436.25
11/10/93	29797	OREGON CULVERT	DRAIN FABRIC	82.50				41.25
11/17/93	29838	GOODWILL TEMPORARY SERVICES	LANDSCAPING LABOR		627.19			313.60
12/1/93	29973	WICHITA NURSERY INC	PLANTS	1,453.00				726.50
12/1/93	29940	GARDEN GATE NURSERY	PLANTS	287.50				143.75
12/1/93	29942	GOODWILL TEMPORARY SERVICES	LANDSCAPING LABOR		443.21			221.61
12/15/93	30073	GOODWILL TEMPORARY SERVICES	LANDSCAPING LABOR		156.10			78.05
12/22/93	30116	BRUCE ETLING SHEET METAL	SAFETY GUARD, STORM DRAIN	650.00				325.00
12/31/93	94-0244	CITY JOURNAL VOUCHER	PHOTOS	201.13				100.57
4/20/94	31123	PETTY CASH	TREE REPLACEMENT	20.00				10.00
		VALERIE LANTZ	CITY EMPLOYEE				3,056.81	1,528.41
		DANIEL HATCH	CITY EMPLOYEE				662.76	331.38
		RUSSELL HOSEY	CITY EMPLOYEE				391.42	195.71
		JUDY McMANMAN	CITY EMPLOYEE (Seasonal)				7.16	3.58
		VOLUNTEERS @ 4.75 RATE	PLANTING AND ROCK PLACEMENT		1,401.25			700.63
		WATER SERVICE INSTALL BY DICK GOLDIE					477.70	238.85
TOTALS				12,413.54	8,840.24	514.50	4,595.85	13,182.07
EXPENSE TOTAL				26,364.13				

PROJECT STAFF/WORKERS/VOLUNTEERS

SCOPE OF WORK PROVIDED TO FOLLOWING VENDORS

1. Directory of Certified DBE/MBE/WBE Firms

Benge Construction Company
333 South State Street
Suite V-194
Lake Oswego, OR 97034
Scott Benge (503) 222-4047

C.W. McCallen Construction
9775 SW 155th
Beaverton, O 97007
Bessie McCallen (503) 524-6581

Clackamas Construction, Inc.
8980 SE Sunnyside Road, #512
Clackamas, OR 97015
Connie Mueller (503) 698-4508

Dirt & Aggregate Interchange, Inc.
20905 NE Sandy Blvd
Troutdale, OR 97060
Henry Pelfrey (503) 661-5093

Jerry Carter Company, Inc.
P O Box 327
Carson, WA 98610
Jerry Carter (509) 427-8328

K & R Plumbing
Construction Company, Inc.
14463 SE 152nd Drive
Clackamas, OR 97015-9350
Karry Rogers (503) 658-3161

Bantu Trucking, Inc.
57 NE Morn's Street
Portland, OR 97212
Patricia Morgan (503) 666-7102

2. Other Firms

Clearwater Construction
7420 SW Hunziker Suite C
Tigard, OR
Brian Biskee 684-1688

Jim Colt Construction
2176 NW Marine Drive
Troutdale, OR 97060
Jim Colt 775-5130

* SK Sewer Construction
29195 SE Hwy 212
Boring, OR 97009
Keith Bunn 663-1764 936-5351

Jim Keating Excavating and
Grading
11282 SE Ramona Drive
Boring, OR 97009
663-6589 781-3494

* Selected

MATERIALS, SUPPLIES, SERVICE VENDORS

- * Greenstar Specialty Plants
7126 SE 13th
Portland, OR 97202
Scott 236-5868
- * Garden Gate Nursery
28383 S. Baurer Road
Colton, OR 97017
Kathleen 824-2532
- * Bosky Dell Nursery
West Linn, OR
638-5945
- * Witchita Nursery
Canby, OR
Jim Brown 651-2279
- * Teufals Nursery
12345 NW Barnes
Portland, OR 97229
- Hortus Northwest
P O Box 955
Canby, OR 97013
- * Layfield Plastics
Fabric & Liner
3931 1st Avenue South
Seattle, WA 98134
Dan Carter (206) 679-9193
1-800-796-6868
- * Scapoose Rock
(50 Tons River Rock)
Mt Hood Gravel
Mt Scott Quarry
Estacada Gravel
Troutdale Sand & Gravel
Gilbert Wester, Camus WA
- * Ettliger Sheet Metal (Grates for
Storm Water Outlet, Inlet)
- * Monica Tonn - Watering Contract
1516 SE Beaver creek Lane
Troutdale, OR 97060
661-2344
- * Mt Scott Fuel - economy mix
11909 SE 282nd
Boring, OR 97009
663-1414

* Selected

Engineers Contracted:

* Lee Engineering
Oregon City, OR
775-1556

Eldon Carter Engineering
7931 SE King Road
Portland, OR

Phillip Williams & Assoc
Pier 35 The Embaradero
San Francisco, CA 94133
Larry Fisbain (415) 981-8363

Tom Herrett - Incipient motion
251-3236

Ann Riley - Stream Hydrology
Overview
(510) 548-1764

Contacts for Permits

City of Troutdale
Community Development Department
(for development permit)

State of Oregon
Water Resources Department

NW Regional Office
Tom Paul 378-8455 X281

District 1
Greg Beaman, Water Master
397-0633

Columbia County Courthouse
St. Helens, OR 97051

Division of State Lands
775 Summer Street NE
Salem, OR 97310-1337
Emily Roth 378-3805

Corps of Engineers
Tina Monical 326-6096

City of Troutdale
Disposal Permit
(Soil & Rock)

Contact for Resources Information

Ralph Rodgers, METRO
Ester Lev, METRO
Maureen O. Smith, F & W
Steve Wille, ODFW
Craig Foster, ODFW

City of Troutdale Staff:

Valerie Lantz, Project Manager, Plant & Volunteer Procurer
Russ Hosey, Roundup Applicator
Dan Hatch, Signing
Everett Smelser, Planting
Greg Farr, Liner Installation
Mike Alderson, Grate Installation
Hope Reynolds, Records and billing
Dick Goldie, Water Connection

VOLUNTEERS - Attached Sheet

* Selected

VOLUNTEERS

Travis Morita	2	Lindsay Green	2	Christopher Wilson	4
Rebecca Wheeler	1	Rebecca Hatch	2	Brendon MacGregor	4
James Cook	4.5	Cole Offield	2	Nathan Cockrell	4
Alex Romero	2.5	Tamber Offield	2	Michael Cockrell	4
Lindsay Green	.75	Barbara Morita	4	Thomas Davis	4
Brad Wheeler	1	Kim Wheeler	4	David Manley	2
Tyler Morita	2	Deborah Cook	4	Adam Ross	4
Josh Fenton	2	Linda Wolfe	4	David Ross	2
Elena Wolfe	1.5	Pamela Billings	4	Brian O'Rourke	4
Brittany Green	.75	Matthew Miller	4	John Hendrix	2
Brian Harris	1	Barbara Ross	4	Jason Ferguson	4
Victor Tranellis	2	Allan Robert	4	John Kramer	2
Daren Harris	1	Lynette Harris	4	Mr. Gover	2
Jon Rowe	5	Cindy McIntosh	4	Mrs. Ross	2
Peter Tonn	2	Sandra Kellum	4	Mr. Ross	4
Andrea Kempe	5	Mary Undercoffer	4	David Main	2
Amy Hatley	5	Collen Korst	4	Matt Bruce	2
Nathan Fultz	5	Heidi Wilson	4	Sarah Smith	2
Delaney Fultz	5	Michael Whitney	4	Jessica Smith	2
Steve Van Hoff	2	Ronald Whitney	4	James Cook	2
Alex Van Hoff	2	Amber Chamberlain	2	Jeff Dodd	2
Jon Pearson	2	Kayla Schubble	4	TJ Zander	2
Jason Pearson	2	Karri Miller	2	Matt Grey Erickson	2
Pamela Fenton	2	Wendy Prickett	4	Cody Garcia	2
Monica Tonn	2	Alex Romero	2	Kevin Galloway	2
Brian Handy	2	Brad Groves	2	James Cook	2
Sue Handy	2	Nathan Harrison	2	Tim Miller	2
Rich Wheeler	2	Tina Davis	4	Ian McDonald	2
Brad Wheeler	2	Brad Harris	4	Josh Fenton	2
Becky Wheeler	2	Miki Swarthout	4	Michael Sandoval	2
Lisa Wheeler	2	Tiffany Miller	2	Mrs. Fenton	2
Kathy Green	2	Ileah Carter	2	Peggy Watterson	
Brittany Green	2	Tim Gover	2	School Coordin	30

TOTAL VOLUNTEERS	98
TOTAL VOLUNTEER HOURS	265

BENEFITS OF THE PROJECT

Community education and awareness is a major benefit from the Sandee Palisades Detention Basin Naturalization Project. The four work parties held at this site occurred over a one year period. The time span offered an opportunity to observe changes taking place through time. Many participants attended each work party. They learned about natural resources and how human activity, weather and time change natural areas. The Troutdale Elementary School students wrote and are writing letters to the City Council regarding their concerns about erosion control. This project helped raise public awareness about natural resources.

The other benefits from this project relate to solving the problems identified prior to project implementation.

1. The maintenance costs will reduce. Initially, weeding and watering is required until the plants establish. In two to three years, the maintenance effort can be reduced as the native plant community grows and establishes.
2. The path, bench, creek and plants contribute to an improved recreational value.
3. Changing from a grass and concrete site to wildflowers, shrubs, trees, groundcovers, rocks, creek and increased wildlife is an aesthetic change that is appreciated in the surrounding community.
4. The wildlife value is increased as a wider variety of birds and "welcome" insects are now commented about by children and neighbors.
5. The water quality treatment value was proved in its first season. The silt from an upstream housing development washed through the storm drain and was captured in the first fifty feet of the detention basin by the log placed in the stream. The silt was removed by school kids dipping it out on a warm sunny day. The silt was prevented from entering the Sandy River.
6. Less debris dumping has occurred at the site since the project completion.
7. Mosquito breeding is reduced due to less standing water. The rocks created more movement in the same volume and velocity of water.
8. The trail and bench are recreational amenity's designed to offer appealing and appropriate use. Those amenities are used. However, the planting needs to fill-in and become more dense in order to discourage wandering over the entire site.

HOW PROJECT RELATES TO THE GREENSPACES PROGRAM

1. The Detention Basin Naturalization Project is consistent with the objectives of the Metropolitan Greenspaces Program Objectives as well as local plans. The Sandy River and its tributaries are identified by the Metropolitan Greenspaces Plan and by the City of Troutdale as a regionally significant natural area and is a primary target for preserving and protecting.

Since the detention basin drains directly to the Sandy River, any improvements in water quality, wildlife habitat and recreation support the Metropolitan Greenspaces goals. The detention basin site is located within a publicly dedicated greenway and is managed by the City of Troutdale. Most of the greenway remains in its natural state. Restoring the detention basin to its natural state is in keeping with Troutdale's Management Goals for greenways.

2. Coordinating the detention basin project with resource agencies to ensure proper design, plant selection, hydrology and applicable permits was accomplished. The following agencies were contacted:
 - a. The Troutdale Parks Advisory Committee and neighbors participated in implementing the project.
 - b. The Division of State Lands processed a wetland enhancement/restoration general authorization permit.
 - c. U.S. Fish and Wildlife
 - d. Army Corp of Engineers
 - e. Columbia Gorge Scenic Area
 - f. U.S. Forest Service
 - g. Multnomah County
 - h. Bureau of Land Management Sandy River Study

The last five agencies indicated this section of the Sandy River where the small tributary enters is outside of their jurisdiction. The project is local in nature. The project provided an opportunity for cooperation between local, regional, state and federal agencies.

WHAT WORKED/WHAT DIDN'T/HELPFUL HINTS

1. Expect the permit process to take as long as four months. This is a reality to plan and schedule.
2. Recruiting volunteers via a school program is great. A school provided project coordinator is ideal. Scout projects worked well as components within the project.
3. Mailing 22 information packets did not recruit volunteers. It did prepare the neighborhood for changes and for the work parties that "invaded".
4. Expect to use three or four different vendors for plant materials. Few nurseries provide a full range of plants - i.e. a tree nursery doesn't stock wildflowers; a container nursery would have shrubs and small trees and no large trees.
5. Two Roundup applications, two months apart, accomplished very good control of existing grasses and weeds. The late spring timing was effective and prevented soil erosion as soil was not bare during the rainy season.
6. It did work to "dig" through old files and find the original engineer who designed the storm water function for the detention basin. The information was over 14 years old. This may not be a viable option if the information was older than 15 years.
7. The "economy mix" worked great as a soil amendment. We used twice as much as originally estimated due to mud and equipment placement. The 6" or more depth spread over the entire site controlled erosion and weeds. The supplier delivered the mulch to the site at a reasonable cost and at appropriate times.
8. Plants collected by a nursery from areas undergoing development did not have the viability that the container grown stock did exhibit. The container grown stock had more fibrous root systems that established quickly.
9. Experience from other projects had indicated that placing plants using a specific planting plan and volunteers could be a challenge. An experiment with a different approach was tried. The volunteers had school classroom time dedicated to learning some native plants and the conditions where they can grow. Upon arriving at the site, the plants were introduced to the volunteers. As the plants were introduced a quick review of the appropriate conditions and then "go find a home" for that plant. Examples were given such as: Salal likes a slope and lots of buddies - so nine kids can go plant nine salal together on a hill. Thimble berry can be wet in winter and dry in summer, so plant between

the creek and slope and they like buddies too, so make a thicket. The cedar tree will grow very big and likes a toe in the creek. The seafoam will survive a high rocky place - go to the rocky hills and scratch a place out for its roots to cling, etc., etc. This was done for 500 plants being planted by 75 people in less than four hours. As long as the person introducing the plants can do so in a rapid and interesting manner, then this approach works. It helped that the plants had been taught in the classroom prior to the work parties. As the planting needs to look natural, random patterns based on conditions worked out fine. Groupings of plants interspersed with other groups of plants and some single plants placed under appropriate conditions were the result of this approach. Different plants were planted during six different planting efforts - each by different people. Very little "formally spaced" planting occurred by using this approach. A natural appearance was accomplished. A planting plan was completed AFTER the planting was in place. The planting plan is considered more of a record rather than a "plan". This approach works as long as NATURAL, RANDOM and INFORMAL patterns are the objective. The quality, sizes and types of plants were determined by estimating square footage cover for each plant variety.

10. It was disappointing to depend upon the Oregon certified list for CBE, MBE, and WBE businesses for response to estimate and bid requests. The disappointment is based on the lack of response to numerous inquiries using both phone and letter contacts.

Finding any excavation contractors willing to do a small project proved difficult. The project was delayed for close to three months due to contractor lack of availability.

11. The most important issue to resolve when vegetation is concerned is water. How are the plants going to be watered during the first two summers?

A neighborhood was cooperative enough to agree to his water bill being paid by the project for four months. They endured the many trips through their yard to turn the water on and off. That neighbor has sold and the new neighbor did not want to continue this arrangement. The city then needed to install a water service for the site - another expense to plan!

12. The volunteers became "used up" before the planting was complete. A choice needed to be made between contracting with a landscape company that normally provide their plants or contracting for landscape labor and providing the plants from nursery sources. As the plant material sources were already located at this stage, the choice to contract for labor only was made. Goodwill Industries has the state contract for providing temporary services (lots of different jobs). Goodwill Ind. provides screening, interviewing, placements,

payroll, etc. The City paid an hourly rate to Goodwill Ind. and they provided an economical labor source for completing the project planting.

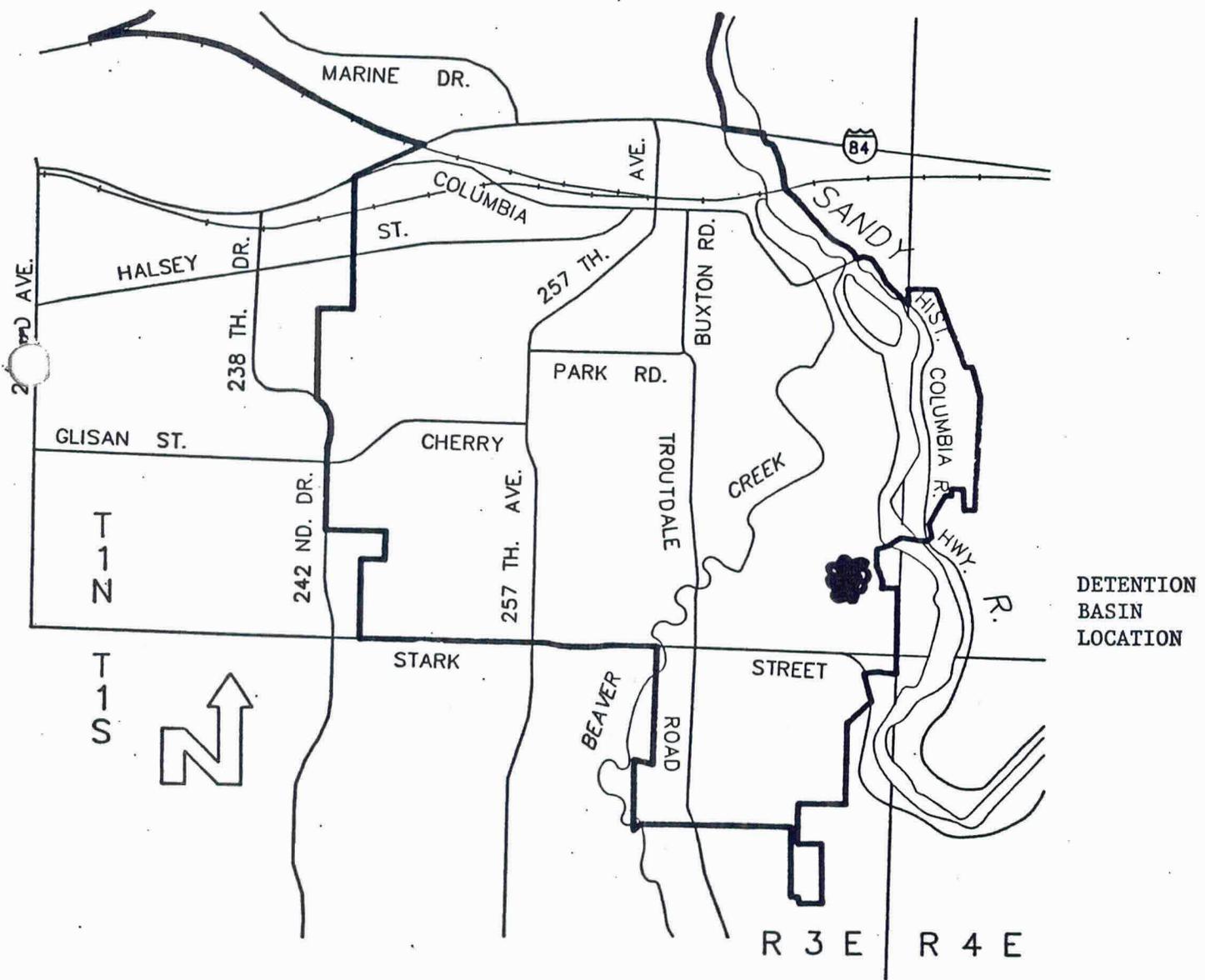
13. The storm drain outlet and inlet allowed children to climb into unsafe places. Grates were installed over the outlet and inlet. Unfortunately, the first fall rain storm and leaves clogged the new grates and created a six foot deep pond within the detention basin. In-house staff donned chest waders and unclogged the grate, drained the "pond" and then removed the grate. The plantings did not sustain damage as they were under water less than 24 hours.
14. During the winter, an upstream housing development allowed silt to enter the storm drains. That silt collected in the detention basin. The volume of silt was 5 to 8 cubic yards. The function of the basin is to capture the silt before it enters the Sandy River. That function did occur, however so much silt covered the new rock that the storm drain function would be compromised if allowed to remain.

The school children and parents came back and scooped out the silt. The participants in this muddy work party are supporting a newly proposed erosion control ordinance that is very strict.

15. Weed control via mechanical or hand weeding is under way during the '94 Spring. Milkweed, groundsel, and himalayan blackberry are targets for removal. Some grasses, big leaf maple and clover will stay as they are not considered weeds at this site.

ADVICE FOR OTHER PROJECT MANAGERS

1. **BIG HINT**
Keep a project log on an ongoing basis as it happens. Do not wait to the end and try to reconstruct what happened. A neat file with all the project "stuff" is important. Writing the report was delayed two months because this hint was not followed. So, next time this project manager will follow that advise.
2. It's okay to use many rolls of film - both print and slide to do a project justice. Photos points are easy to remember if based on compass points - North, South, East and West.



TROUTDALE
VICINITY MAP

NATIVE PLANT LIST

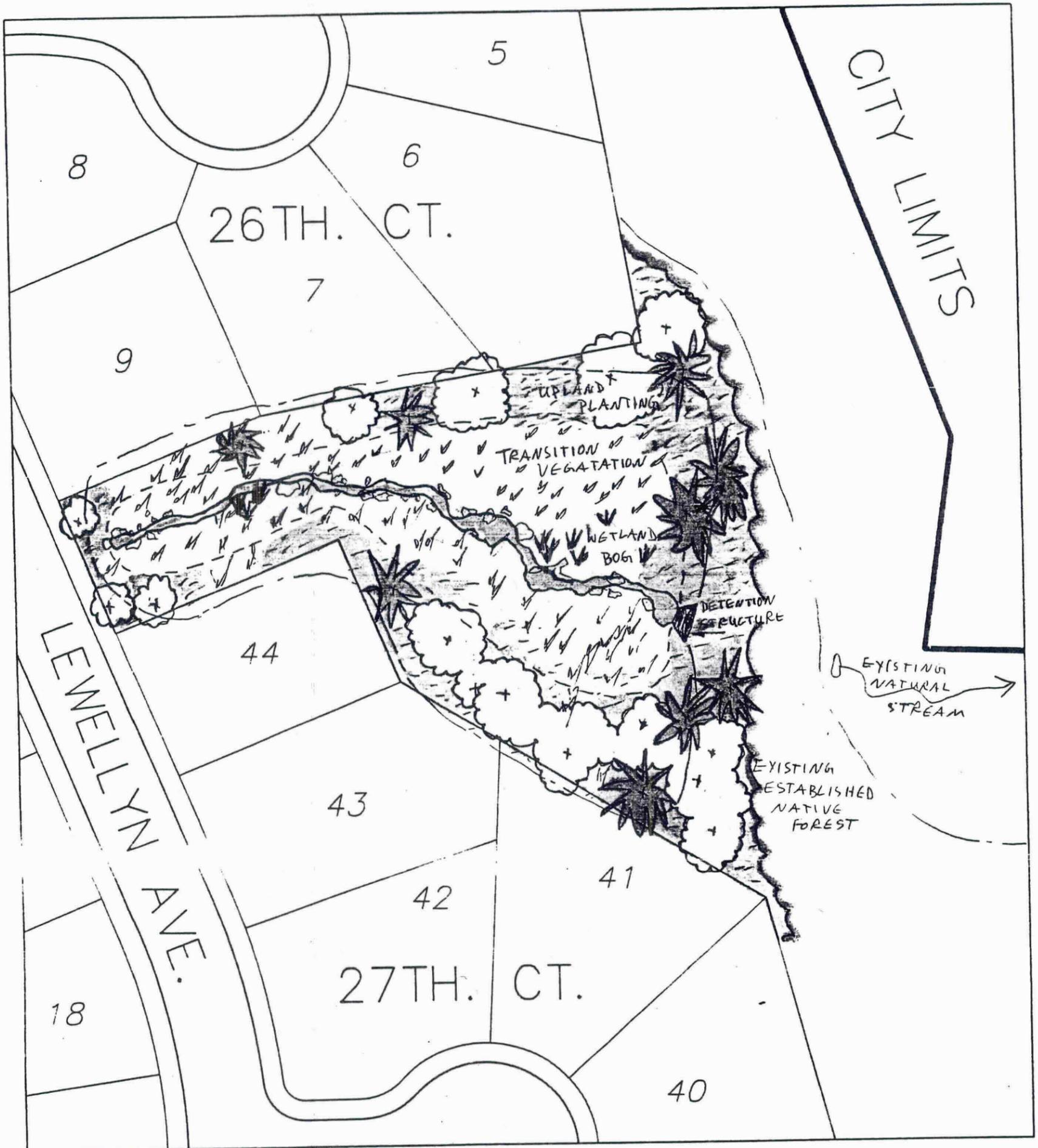
INVENTORIED ON ADJACENT SITE

OTHERS PROPOSED

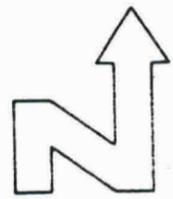
T Snowberry
U Hazel nut
U Bigleaf Maple
U Douglas Fir
U Bracken Fern
U Oregon Oak
T Sword Fern
W False Solomen Seal
T Vine Maple
T Cascara
T Indian Plum
U Wild Rose
T Huckleberry
W Oxalis
W Wild Ginger
W Piggyback Plant
T Wild Cherry
W Licorice Fern
U Poisan Oak (don't plant more)
U Seafoam
W Maidenhair Fern
T Columbine
W/T Thimbleberry
T Elderberry
U Oregon Trailing Blackberry
T/W Serviceberry
W Western Red
T Incense Cedar
T Nettle (don't plant more)

U Creeping Phlox
U Kinnickinick
W/T Bunch Berry
T Salal
U Oregon Grape
T Rhody
T Oceanspray
U Bur Oak
T Red Flowering Current
T Oregon Ash
U Douglasii spirea

T	Transition
U	Upland
W	Wetland



PROPOSED



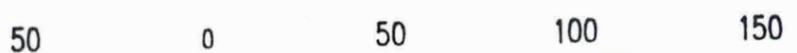
-  NEW STREAMBED WITH ROCK, BOULDERS
-  NEW TREES - DECIDUOUS
-  NEW TREES - EVERGREEN
-  TRANSITION VEGETATION
-  WETLAND BOG
-  UPLAND VEGETATION

SEE PLANT LIST

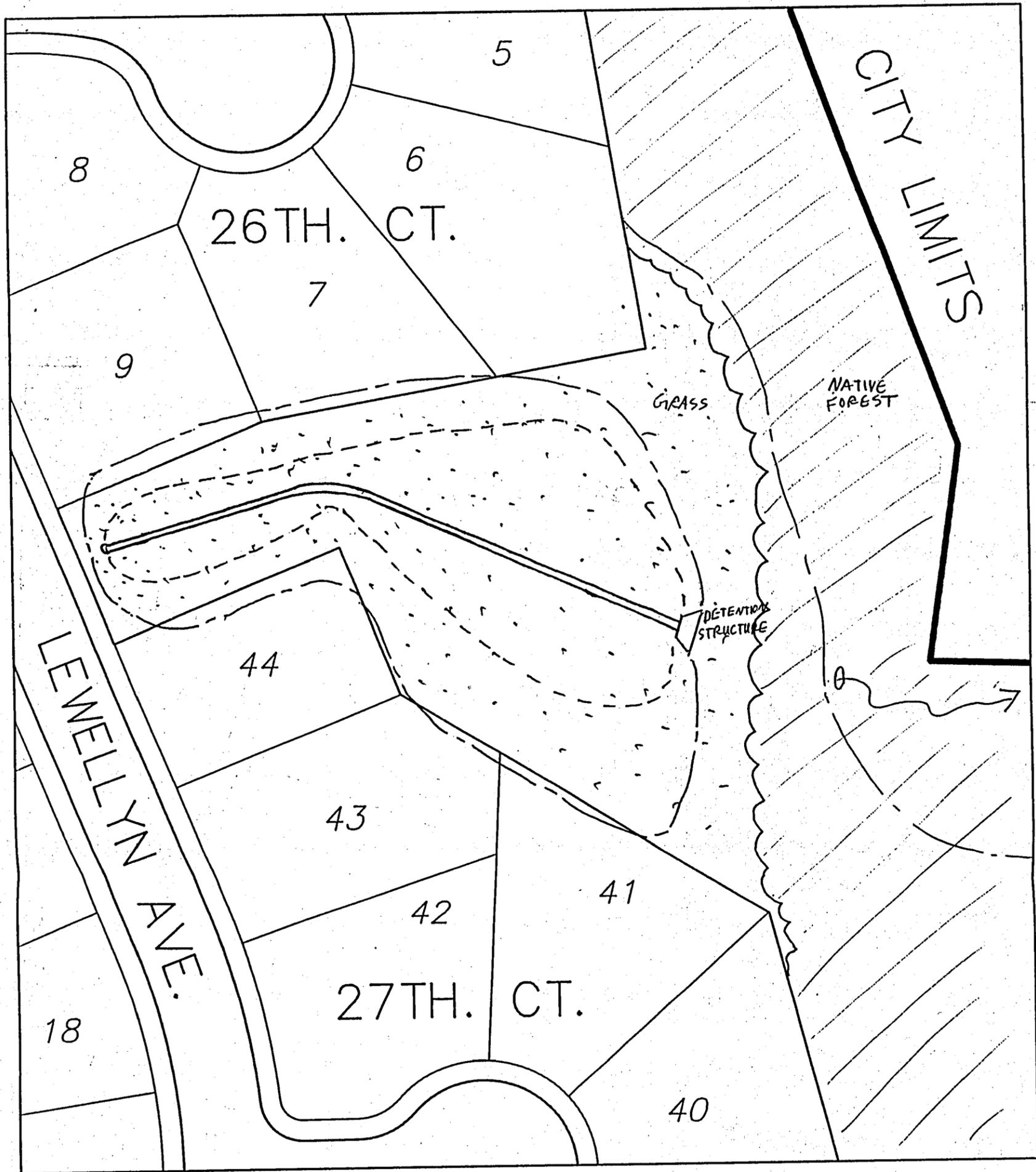
SANDEE PALISADES DETENTION BASIN

CITY OF TROUTDALE

JULY 1992

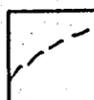


SCALE IN FEET



EXISTING 7/92

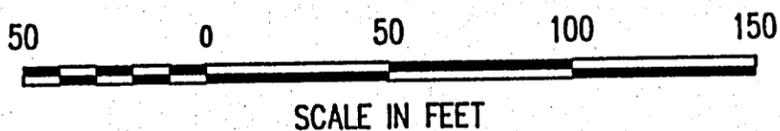


-  EXISTING GRASS
-  CONCRETE CHANNEL
14" DEPTH, 18" WIDTH
174' LENGTH
-  EXISTING TREE LINE
& NATURAL AREA
-  NATURAL STREAM
-  TOP OF BANK
-  BOTTOM OF BANK

SANDEE PALISADES DETENTION BASIN

CITY OF TROUTDALE

JULY 1992



The Troutdale Champion

ONCE "THE ONLY NEWSPAPER PUBLISHED IN MULTNOMAH COUNTY OUTSIDE OF PORTLAND"



EAST METRO MEDIATION A NEW WAY TO RESOLVE PROBLEMS

East County Mediation is ready to help residents of Troutdale resolve disputes, disagreements or conflicts between two or more people.

Through mediation, neighbors can work together to improve a situation and come to a solution that everyone agrees to.

Mediators are from the community and have been professionally trained in mediation. The types of problems which may be resolved through East Metro Mediation include barking dogs, untrimmed hedges, loud stereos, car parking spots, trespassing in flower gardens, property damage, landlord/tenant issues, building improvements, vandalism, student/teacher conflicts, housemate disputes, harassment, citizen/government disagreements, and lots of others.

When you find yourself in an unresolved conflict, call East Metro Mediation at 669-2684 to talk with a mediator. If you agree, the mediator can call the other person with whom you have a conflict.

Sometimes both parties want a neutral mediator to facilitate a session where everyone sits down to discuss the situation, look at possible options and come to an agreement which both parties agree on and accept.



SPRING CLEAN-UP !

Our annual Spring Cleanup is fast approaching. The City of Troutdale, in cooperation with other East County cities and our franchised solid waste hauler (EGE Sanitary Service), is planning three events for this year's cleanup:

- Household hazardous waste collection
- Extra curb-side collection (no charge)
- Special yard-debris drop-off

Spring Cleanup for the cities of Troutdale, Gresham, Fairview, and Wood Village is a cooperative effort. This continues the theme of regional planning and uniform, consistent, standards and policies that were our goals when we entered into an Intergovernmental Agreement with Gresham for Solid Waste and Recycling matters.

YARD DEBRIS DROP OFF

- When:** Saturday May 8
9 am to 3:30 pm
- Where:** MHCC
26000 SE Stark
- What:** Up to one pickup truck load of yard debris may be dropped off at no cost.
- What Not:** Stumps or tree limbs larger than 6 inches in diameter will not be accepted.
- How:** Just bring your Free Coupon, clipped from the April 1993 edition of "Clean Up Times", published by the City of Gresham for all East County cities.

EXTRA RESIDENTIAL COLLECTION

- When:** Your normal collection day during the week of **April 26-30**
- Where:** Your normal curbside collection spot
- What:** Up to 5 bags of regular trash with no extra cost
- What Not:** No yard debris or hazardous household waste

HOUSEHOLD HAZARDOUS WASTE COLLECTION DAY

- When:** **Sunday April 25th** 9 am to 3 pm
Gresham City Hall Parking Lot
1333 NW Eastman Pkwy
- What:** Typical household wastes such as aerosol spray products, antifreeze, gasoline, motor oil, batteries, hobby chemicals, cleaners, paints, solvents, strippers, thinners, pesticides, herbicides, fertilizers, and poisons will be accepted.
- What Not:** Asbestos, explosives, ammunition, compressed gases, radioactive materials, and infectious wastes will not be accepted.
- How:** Keep products in their original containers if possible. Don't mix products together. Seal products tightly to prevent leaks.

BURNING OF YARD DEBRIS

You may burn yard debris until June 15th if it is not too windy or dry. Call 823-3870 to find out if burning is allowed on a day-to-day basis.

PLEASE REMEMBER ! - PARKS ARE FOR PEOPLE

Spring is here and many children are playing outside at City parks. Please remember - dogs, either on a leash or unattended, are not permitted within City parks. Several parks have been impacted this spring because of dogs "running" in the City parks and leaving solid waste products on the turf areas.



Please - keep your dog at home. If you are walking your dog, please clean up after your dog.

DO YOU HAVE AN ABANDONED VEHICLE IN YOUR YARD?

Many of you have old cars sitting in your yards that you may intend to dispose of or restore. There has been an increase in animosity among neighbors about these inoperable, dismantled and abandoned vehicles. The Troutdale Municipal Code regulates this type of nuisance on private property.



Please be a considerate neighbor and improve the appearance and image of your neighborhood. Please remove any vehicle(s) that are inoperable, dismantled or abandoned on your property. If you have a car, truck or van you don't want, donating the vehicle to a non-profit group may be a solution. Volunteers of America is one organization that will tow your vehicle for you and uses the proceeds to provide services to seniors, families and children. For more information on this program call 235-8655.

ADDITIONAL RECYCLING

OPPORTUNITIES

On May 2nd there will be a limited collection (batteries, motor oil, paint and antifreeze only) at Sandy Union High School.

Every Thursday, Friday, Saturday: All hazardous wastes are accepted at Metro South Station, 2001 Washington Street, Oregon City.

For More Information: Call Metro Recycling Information, 234-3000.



VOLUNTEERS NEEDED FOR NATURAL RESOURCES WORK

There are several upcoming work parties scheduled. Activities will include planting native plants, training in surveying streams and waterways, and naturalization planting of a storm detention basin. Volunteers are needed to help protect and maintain our natural resources. Bring your children or friends and attend one or more of these activities.

Planting Native Plants: Saturday - April 24 at the Mountain Vista Storm Drain Outlet. 10 am - 12 pm & 1 pm - 3 pm. Meet at south end of Corbeth Lane

Stream Survey Training: Saturday - May 8. Meet at the Troutdale Community Park Annex at 9 am.

Detention Basin Naturalization Planting: Saturday - May 22 & June 12 at the Sandee Palisades

Detention Basin Naturalization (2622 SE Lewellyn Avenue) from 9 am to 4 pm. Come For 1 Hour or All Day.

BUDGET MEETINGS BEGIN

The proposed budget review for fiscal year 1993-1994 will begin on Monday, April 12, 1993. at Troutdale City Hall. The Budget Committee is comprised of the Mayor and City Council and seven citizens residing within the city limits.

All citizens are welcome and encouraged to attend these meetings. Your thoughts, ideas, and concerns are needed to ensure a sound, well-thought out budget that reflects the needs and desires of the citizens. A copy of the proposed budget is available for review at City Hall.

Meetings are scheduled for April 12th, April 20th, 22nd, 26th and possibly on April 28th. For more information, contact City Hall at 665-5175.

UNCONTROLLED OR UNCULTIVATED VEGETATION PROHIBITED - MUST BE CONTROLLED BY JUNE 15!

Troutdale Municipal Code, Chapter 8, Section 8.28.105, states that it is unlawful for any person to maintain or allow to exist the following things, practices or conditions on any property or within public road rights-of-way adjacent to that property, which shall be nuisances:

Uncontrolled or uncultivated growth of weeds, brush, tansy ragwort or grasses which offer vector or rodent harborage, contribute noxious pollens to the atmosphere, constitute a fire hazard or unreasonably interfere with the use and enjoyment of abutting public or private property.

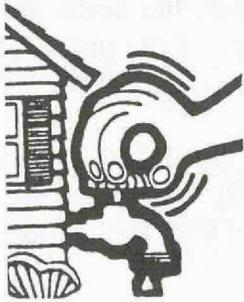
ALL UNCONTROLLED OR UNCULTIVATED GROWTH SHALL BE ABATED BY JUNE 15, 1993.

For more information, call the Department of Community Development at 665-5175.

AN OUNCE OF PREVENTION

This past winter the Troutdale Water Division responded to quite a few customer service calls regarding frozen or broken water pipes. In some cases, water damage could have been less severe if the homeowner had known where the main water supply valve was.

Every home and apartment has a main water supply valve. If there is an emergency, you need to know where the valve is and act fast to turn it off.



If you do not know, take time to locate it, tag it, and inform all family members of its location. The most likely locations are where the supply pipe enters your

home, near the hot water heater, or near the clothes washer hook-up.

BASKETBALL HOOPS

City staff have noticed several basketball hoop structures installed within the public right-of-way that appear unsafe and do not meet City



standards. The City Council has passed a resolution allowing construction of basketball hoops within public right-of-way only on stub streets and dead end cul-de-sacs. Hoop standards can not be constructed on any through streets. There are also

specific distance requirements from the nearest intersection as well as other specifications.

If you enjoy basketball and have thought about placing a hoop in the right-of-way, please call City Hall at 665-5175 prior to installation to ensure proper compliance.

104 Kibling Street
Troutdale, Oregon 97060

BULK RATE
U.S. POSTAGE
PAID
TROUTDALE, OR 97060
PERMIT NO. 84



SPRING CLEAN-UP

**HOUSEHOLD HAZARDOUS
WASTE COLLECTION - APRIL
25TH**

**EXTRA RESIDENTIAL
COLLECTION WEEK OF APRIL
26TH-30TH**

**YARD DEBRIS DROP-OFF AT
MHCC - SATURDAY MAY 8TH**