

City of Olympia

*Submittal Requirements  
for  
General Land Use Application*

Of  
H e r i t a g e  
P a r k

S t a t e o f W a s h i n g t o n  
Department of General Administration

February 3, 1997

Consultants:  
The Portico Group  
and  
Herrera



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**GENERAL LAND USE APPLICATION**



**City of  
OLYMPIA**

Community Planning & Development, 837 7th Avenue, SE, P.O. Box 1967, Olympia, WA 98507-1967  
Telephone (360) 753-8314 - Fax (360) 753-8087

**OFFICIAL USE ONLY**

Case #: \_\_\_\_\_ Master File #: \_\_\_\_\_ Date: \_\_\_\_\_  
Received By: \_\_\_\_\_ Project Planner: \_\_\_\_\_ Related Cases: \_\_\_\_\_

One or more of the following supplements must be attached to this General Application:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Adjacent Property Owner List      | <input type="checkbox"/> Parking Variance                                    |
| <input type="checkbox"/> Annexation Notice of Intent                  | <input type="checkbox"/> Preliminary Long Plat                               |
| <input type="checkbox"/> Annexation Petition (with BRB Form)          | <input type="checkbox"/> Preliminary PRD                                     |
| <input type="checkbox"/> Boundary Line Adjustment (Lot Consolidation) | <input type="checkbox"/> Reasonable Use Exception (Critical Areas)           |
| <input type="checkbox"/> Comprehensive Plan Amendment                 | <input type="checkbox"/> SEPA Checklist                                      |
| <input type="checkbox"/> Conditional Use Permit                       | <input checked="" type="checkbox"/> Shoreline Management Permit (JARPA Form) |
| <input type="checkbox"/> Design Review - Concept (Major)              | <input type="checkbox"/> Short Plat  |
| <input type="checkbox"/> Environmental Review (Critical Area)         | <input checked="" type="checkbox"/> Tree Plan                                |
| <input type="checkbox"/> Final Long Plat                              | <input type="checkbox"/> Variance or Unusual Use (Zoning)                    |
| <input type="checkbox"/> Final PRD                                    | <input type="checkbox"/> Zoning Map (Rezone) or Text Amendment               |
| <input type="checkbox"/> Land Use (Site Plan) Review Supplement       | <input type="checkbox"/> Other _____   |
| <input type="checkbox"/> Large Lot Subdivision                        |  |

Project Name: Heritage Park

Applicant: General Administration (State of Washington)

Mailing Address: Division of Capitol Facilities, PO Box 41019 Olympia, WA 98504-1019

Phone Number(s): 360.586.5950 Fax 360.586.5954

Owner (if other than applicant): \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Phone Number(s): \_\_\_\_\_

Other Authorized Representative (if any): Rick Milburn

Mailing Address: GA, Division of Capitol Facilities, PO Box 41019 Olympia, WA 98504

Phone Number(s): 360.586.5950 Fax 360.586.5954

**Property Information and Location:**

Project Description: Bordered by Capitol Lake, 5th Ave, Water Street, 7th Ave, Columbia Street

Size of Project Site: 24.0<sup>06</sup> Acres North Capitol Lake & 8.0 Acres Mid Basin Dredge (LAND AREA)

Project Address: 333 5th Ave SW

Assessor Tax Parcel Number(s): (9100 4800) See Attachment "A".

Section: 14 Township: 18 Range: 2

**Full Legal Description of Subject Property (attached ):**

See Attachment "A"

**Zoning:** (CW-1) Urban Waterfront & Residential Multi-Family Highrise (RM-H)

**Shoreline Designation (if applicable):** Urban & Conservancy (See Attachment "B")

**Special Areas on or near Site (show areas on site plan):**

- None
- Creek or Stream (name)** Deschutes River
- Lake or Pond (name)** Capitol Lake
- Swamp/Bog/Wetland** See Attachment "C" & Attachment "J", Sheets L0.1 & L1.7
- Steep Slopes/Draw/Gully/Ravine** See Attachment "D"
- Scenic Vistas**
- Historic Site or Structure**
- Flood Hazard Area (show on site plan)** See Attachment "E"

**Utilities:**

**Water Supply (name of utility if applicable):** City of Olympia Public Works Department

**Existing:** 12 inch Asbestos cement at Water Street & Seventh Avenue

**Proposed:** Seventh Avenue and Water Street water mains will serve Heritage Park

**Sewage Disposal (name of utility if applicable):** City of Olympia Public Works Department

**Existing:** 20" force main & 8" concrete main @ 5th Ave; 36" & 15" concrete pipe @ Water St., 36" concrete pipe @ 7th Ave.

**Proposed:** Connections will be made to existing water mains and sewer lines in Water St. & 7th Ave

**Access (name of street(s) from which access will be gained):** Water Street & Legion Street

I affirm that all answers, statements and information submitted with this application are correct and accurate to the best of my knowledge. I also affirm that I am the owner of the subject site or am duly authorized by the owner to act with respect to this application. Further, I grant permission from the owner to any and all employees and representatives of the City of Olympia and other governmental agencies to enter upon and inspect said property as reasonably necessary to process this application. I agree to pay all fees of the City which apply to this application.

**Print Name**

**Signature(s)**

**Date**

<p>Intersection of Legion and Water St. 4 Boat House North Shore of North Capitol Lake 5 Gazebo East Shore of North Capitol Lake</p>			<p>be demolished Building will be demolished Building will be demolished Building will be remodeled New building construction</p>
<p>6 Thurston Co. Economic Development Council 721 Columbia Street</p>			
<p>7 Restroom, Storage and Changing Room Bldg. Intersection of Water Street and 7th Ave. W</p>			
<b>Height</b>			
1 Outdoor Activity Center	1 story, w/ mezzanine	1 story	1 story, w/ attic
2 Waves Design Studio	1 story	1 story	1 story
3 Rest Rooms / Concession	1 story	1 story	1 story
4 Boat House	1 story	1 story	1 story
5 Gazebo	1 story, w/ attic	1 story	1 story, w/ attic
6 Thurston Co. Economic Development Council			
7 Restroom, Storage and Changing Room Bldg.			
<b>Number of Stories (including basement)</b>			
1 Outdoor Activity Center	N/A	N/A	Building will be demolished
Basement	12,000 sq. ft.	N/A	Building will be demolished
Ground floor	N/A	N/A	Building will be demolished
Second Floor	N/A	N/A	Building will be demolished
Remaining Floor Numbers	N/A	N/A	Building will be demolished
2 Waves Design Studio	N/A	N/A	Building will be demolished
Basement	5,000 sq. ft.	N/A	Building will be demolished
Ground floor	N/A	N/A	Building will be demolished
Second Floor	N/A	N/A	Building will be demolished
Remaining Floor Numbers	N/A	N/A	Building will be demolished
3 Rest Rooms / Concession	N/A	N/A	Building will be demolished
Basement	2,800 sq. ft.	N/A	Building will be demolished
Ground floor	N/A	N/A	Building will be demolished
Second Floor	N/A	N/A	Building will be demolished
Remaining Floor Numbers	N/A	N/A	Building will be demolished
4 Boat House	N/A	N/A	Building will be demolished
Basement	200 sq. ft.	N/A	Building will be demolished
Ground floor	N/A	N/A	Building will be demolished
Second Floor	N/A	N/A	Building will be demolished



City of Olympia  
General Land Use Application  
for  
Heritage Park

February 3, 1997



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106 Lenora Street  
Seattle, Washington  
98121-2210  
206-448-6506  
FAX 206-441-1547

Architects  
Landscape  
Architects  
Interpretive  
Planners

Michael S. Hamm  
Becca Hanson  
Charles G. Mayes  
David L. Roberts  
John Swanson

Dennis Meyer  
Timothy L. Nicoulin

To: Brad Davis, City of Olympia  
Community Planning and Development  
PO Box 1967  
Olympia, WA 98507

Re: City of Olympia  
Submittal Requirements for Land Use Review

For: Heritage Park Development  
State of Washington  
Department of General Administration

**Project General Land Use Application Permit Submittal:**

**Tier One (Current Phase of Park Development)**

Phase One - Arc of Statehood

**Tier Two - (Future Phases of Heritage Park Development)**

Phase Two - Olympic Green

Phase Three - Olympic Meadow

Phase Four - Capitol Bluff

**Project Overview:**

Note, the attached Heritage Park supporting information and plans reflects total park development as defined by tiers' one and two above. Schematic design was prepared for the entire project (Phases One - Four) while design development was completed for the "Arc of Statehood" phase (Phase One).

The information presented herein represents the level of design work completed to date for all phases of the project. Construction Documents will be prepared in the ensuing months for tier one the "Arc of Statehood" Phase. Upon completion of the construction documents we will submit the drawings and specifications for a building permit to the City of Olympia.

At this point we are seeking approval for tier one the "Arc of Statehood" phase of Heritage Park improvements and associated mid-basin mitigation. However, to provide an overview of the entire Heritage Park project we've included general information relating to tier two phased projects (see H-1 phasing diagram). Design for tier two will occur once funding is appropriated for the remaining portions of the project by the State of Washington. Once design is initiated for tier two (phases 2-4) we will submit general land use applications for each subsequent phase of work.



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The following information is included in our submittal:

1. A vicinity map showing the property boundaries in relation to the closest streets and major streets in the area.

See Attachment F.

2. Locations, sizes and uses for existing and proposed structures. Indicate gross floor area of each and type of construction.

See Attachment G. Note, the new restroom/changing building and remodel of the Thurston County Economic Development Building to a multi-purpose will occur during tier two the Olympic Meadow phase of park development.

3. Proposed internal circulation, including new and existing access points to streets, the size and location of all driveways, streets and roads, with widths and outside turning radii.

See Attachment K-1.

4. Layout in relation to existing and proposed street frontage improvements, such as curbs, sidewalks, trees and nearby driveways.

See Attachment G, tier two Schematic Design of Heritage Park and Attachment K, tier one Arc of Statehood phase site improvement sheets L2.1 to L2.5.

5. Parking area layout including dimensions for the spaces and back-up aisles, barrier free parking stall and loading areas.

Note, parking improvements proposed for Water Street and 7th Avenue will occur in tier two after tier one Arc of Statehood phase of work is complete. Parking and roadway revisions and improvements along Water and 7th Avenue will occur in tier two the Olympic Green phase of park development. See schematic design attachment H-2 for the proposed parking, roadway and sidewalk realignment along Water Street and 7th Avenue.

6. Existing and proposed utilities both on and abutting the site, including hydrant locations, waterlines, sewer and storm lines, streetlights and, if appropriate, wells and/or septic tanks and drain field areas.

See Attachment I for existing utilities abutting the Heritage Park project.

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See Attachment K-1, sheets L2.1 to L2.7 location of pedestrian lights, and drinking fountains.

See Attachment K-2, sheets C2.1 to C2.4 for the location of drainage and storm water lines and detention areas.

See Attachment K-3, Arc of Statehood Phase proposed location of electrical transformer, and electrical one line diagram.

7. Existing street and alley right-of-ways both constructed and not constructed (unopened street and alleys) with width of existing and proposed sidewalks and driveways cuts.

See Attachment J, sheets L0.1 to L1.7 for existing right-of-ways, existing sidewalks and driveways for the Heritage Park site.

See Attachment K-1, sheets L2.1 to L2.7 for location of pedestrian walks that is part of the tier one Arc of Statehood phase improvements. For later phases of park improvement refer to Attachment G, Schematic Design for all remaining phases of park improvements.

8. Proposed locations and types of solid waste and recycling receptacles.

See Attachment K-1, sheets L2.1 to L2.5 for location of waste receptacles for the Arc of Statehood phase of work.

9. Drainage and erosion control plan. See Chapter 3 of the Olympia Drainage Design and Erosion Control Plan.

See Attachment K-2, sheets C2.1 to L2.5 for location of storm drainage and erosion control for the Arc of Statehood phase of work.

10. Existing and proposed contour lines at two-foot intervals. Include special areas such as wetlands, streams, hillsides, lakes, etc.

See Attachment J, sheets L0.1 to L1.7 for existing contours.

See Attachment K-1, sheets L2.1 to L2.5 for location of proposed contours for the Arc of Statehood phase, and see Attachment G for tier two proposed contours for the remaining phases of park improvement.

11. Conceptual landscape plan showing areas to be landscaped, existing trees to remain and to be removed and total square footage of all landscaped areas.

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See Attachment K-1, sheets L2.1 to L2.5 for location of proposed landscaped areas for the Arc of Statehood phase, and see Attachment G for tier two proposed plantings for the remaining phases of Heritage Park improvements.

12. Tree plan submittal.

See Attachment K-1, sheets L2.1 to L2.5 for location of proposed tree plantings along the Arc of Statehood phase, and see Attachment G for tier two proposed tree plantings for the remaining phases of Heritage Park improvements.

*Attachment A*  
Legal Description and Tax Parcel Numbers

Parcel Numbers for Heritage Park 9/5/95

PARCEL NO.	OWNER
09850005000	WASH-GEN ADMN
09850005000	WASH-GEN ADMN
09850005000	WASH-GEN ADMN
78506700500	WASH-GEN ADMN
78507700100	WASH-GEN ADMN
78507800100	WASH-GEN ADMN
91004600000	WASH-GEN ADMN
91004700000	WASH-GEN ADMN
91004800000	WASH-GEN ADMN
91004800000	WASH-GEN ADMN
91004900000	WASH-GEN ADMN
91005000000	WASH-GEN ADMN
91005100000	WASH-GEN ADMN
91005100000	WASH-GEN ADMN
91005100100	WASH-GEN ADMN



6. TITLE REPORT ORDER #701951 PREPARED BY COMMONWEALTH TITLE COMPANY (REFERRED TO HEREIN AS TITLE REPORT #701951).
7. QUIT CLAIM DEED, AUDITOR'S FILE NO. 9412300048 (REFERRED TO HEREIN AS DEED, A.F. #9412300048).
8. CITY OF OLYMPIA VACATION ORDINANCES #482 (VOIDED BY DEFAULT), #1395, #2051, #2787, #3293, #3352, #3458 AND #4054.

## SURVEYOR'S NOTES:

▲ A GAP EXISTS BETWEEN THE SUBJECT PARCEL AND THE ADJOINING PARCEL DESCRIBED UNDER A.F. #968916 (TITLE REPORT #701951). THE GAP IS A RESULT OF INCONSISTENCIES BETWEEN THE DESCRIPTIONS CONTAINED IN TITLE REPORT #701256 AND DEEDS A.F. #9412300048 AND A.F. #988916 (TITLE REPORT #701951), COMPOUNDED BY A DIFFERENCE IN THE MEASURED AND PLAT DISTANCES IN BLOCK 79.

▲ THE AREA AS SHOWN HEREON NEAR THE NORTHWEST CORNER OF BLOCK 87 OF STUBBSIER'S PLAT OF OLYMPIA BY CROSS-HATCHING IS INCLUDED IN THE SUBJECT PARCEL ACCORDING TO TITLE REPORT #701256. HOWEVER, THE QUIT CLAIM DEED RECORDED UNDER A.F. #9412300048 FOR THE SAME PORTION OF THE SUBJECT PARCEL DOES NOT INCLUDE SAID AREA.

▲ A.F. #9007050041 (TITLE INSURED BY TRANSAMERICA TITLE INS. CO. ORDER #133997) INCLUDES A PORTION OF WATER STREET THAT WAS VACATED BY CITY OF OLYMPIA ORDINANCE #482. HOWEVER, THE CITY OF OLYMPIA MODERN MAPS SHOW ORDINANCE #482 TO BE VOIDED BY DEFAULT, AND VISUAL INSPECTION OF WATER STREET IN THE AREA SHOWN HEREON WITH CROSS-HATCHING DISCLOSES A PAVED STREET, APPARENTLY OPEN TO THE PUBLIC.

▲ DEED RECORDED UNDER A.F. #9412300048 AND TITLE REPORT #701256 VARY IN THEIR DESCRIPTIONS OF A PORTION OF THE SUBJECT PARCEL BETWEEN THE WEST LINE OF LOT 6, BLOCK 4 OF PATTERSON'S CAPITOL ADDITION AND THE SURVEY DUE TO THE INADEQUACY OF THE PLAT. THE RESULTING DISCREPANCY IS UNDETERMINED AT THE TIME OF THIS SURVEY DUE TO THE UNAVAILABILITY OF A DOCUMENT FOR A 100' WIDE RAILROAD TRACT CONDAEMED BY DEED IN WASHINGTON COUNTY SUPERIOR COURT CAUSE NO. 215 ON NOVEMBER 21, 1892 (REFERENCED IN DEED, A.F. #9412300048).

▲ THE CROSS-HATCHED AREA EAST OF BLOCK 103 OF OLYMPIA TIDE LANDS IN VACATED MASON STREET IS NOT INCLUDED IN THE PARCEL DESCRIBED IN TITLE REPORT #701256, BUT IT IS INCLUDED IN PARCEL DESCRIBED IN A.F. #9412300048.

▲ THE CROSS-HATCHED AREA WEST OF BLOCK 91 OF OLYMPIA TIDE LANDS IN VACATED MASON STREET IS INCLUDED IN THE PARCEL DESCRIBED IN TITLE REPORT #701256, BUT IS NOT INCLUDED IN PARCEL DESCRIBED IN A.F. #9412300048.

▲ THE CROSS-HATCHED AREA SOUTH OF BLOCK 204 OF OLYMPIA TIDE LANDS IN VACATED 9TH AVENUE IS NOT INCLUDED IN THE PARCEL DESCRIBED IN TITLE REPORT #701256, BUT IT IS INCLUDED IN PARCEL DESCRIBED IN A.F. #9412300048.

▲ THE CROSS-HATCHED AREA NORTH OF BLOCK 214 OF OLYMPIA TIDE LANDS IN VACATED 9TH AVENUE IS INCLUDED IN THE PARCEL DESCRIBED IN TITLE REPORT #701256, BUT IS NOT INCLUDED IN PARCEL DESCRIBED IN A.F. #9412300048.

▲ THE 30' WIDE EASEMENT RECORDED IN DEED, A.F. #9412300048 CONTAINS A CENTERLINE DESCRIPTION WHICH DOES NOT REFLECT THE ACTUAL CENTERLINE OF THE EXISTING RAILROAD. SAID DESCRIPTION ALSO REFLECTS THE EXISTING RAILROAD; THE EXISTING RAILROAD WAS HELD AS A BASIS OF DETERMINING THE LOCATION OF SAID EASEMENT.

▲ THE IRREGULAR SHADDED AREA, NEMO A PORTION OF LOT C, BLOCK 5 AND LOT 1, BLOCK 5 OF PATTERSON'S CAPITOL ADDITION AS SHOWN HEREON IS NOT INCLUDED WITHIN THE DESCRIPTION CONTAINED IN TITLE REPORT #701256. DEED, A.F. #9412300048 INCLUDES SAID AREA.

## EASEMENT NOTES:

① 30' WIDE BIRMINGHAM NORTHERN RAILROAD COMPANY ROADWAY EASEMENT ALONG, OVER, UPON OR ACROSS A PORTION OF PARCEL 3 OF CORRECTION DUTY CLAIM DEED RECORDED UNDER AUDITOR'S FILE NO. 9007050041, PER RESERVATION CONTAINED THEREIN. THE PURPOSE OF SAID EASEMENT IS FOR THE CONSTRUCTION, MAINTENANCE AND USE OF A ROADWAY FOR BUSINESS AND TRAFFIC. SAID EASEMENT IS LOCATED 15' ON EITHER SIDE OF THE EXISTING ROADWAY CENTERLINE.

② POWER POLES WITH OVERHEAD LINES WERE OBSERVED AS SHOWN HEREON, HOWEVER NO INDICATION OF RECORDED OR UNRECORDED EASEMENTS WERE FOUND AT THE TIME OF THIS SURVEY.

③ WATER LINES WERE OBSERVED AS SHOWN HEREON, HOWEVER NO INDICATION OF RECORDED OR UNRECORDED EASEMENTS WERE FOUND AT THE TIME OF THIS SURVEY.

67; THENCE NORTH 85°53'59" EAST TO THE NORTHWEST CORNER OF LOT 5 OF SAID BLOCK 79.94 FEET; THENCE SOUTH 79°33'55" WEST 74.09 FEET; THENCE SOUTH 81°23'00" WEST 60.07 FEET; THENCE SOUTH 38°17'28" WEST 90.83 FEET; THENCE SOUTH 01°34'17" WEST 44.25 FEET; THENCE SOUTH 40°23'57" WEST 33.47 FEET; THENCE SOUTH 11°37'33" WEST 63.09 FEET; THENCE SOUTH 12°10'39" EAST 33.15 FEET; THENCE SOUTH 01°58'14" WEST 84.86 FEET; THENCE SOUTH 89°14'35" WEST 82.23 FEET; THENCE SOUTH 29°57'30" WEST 25.02 FEET; THENCE SOUTH 03°34'51" WEST 184.79 FEET; THENCE SOUTH 89°13'42" WEST 310.14 FEET TO THE EAST LINE OF LOT 6 OF BLOCK 4 OF SAID PATTERSON'S CAPITOL ADDITION TO OLYMPIA. THENCE NORTH 02°10'01" EAST 95.29 FEET TO THE NORTHEAST CORNER THEREOF; THENCE NORTH 88°13'42" WEST ALONG THE NORTH LINE OF SAID LOT 6 AND ITS WESTERLY EXTENSION 100.00 FEET TO THE WEST LINE OF LOT 6 OF SAID BLOCK 4; THENCE NORTH 02°10'01" EAST 14.63 FEET TO A POINT 50.00 FEET SOUTHERLY AS MEASURED ALONG SAID WEST LINE FROM THE NORTHWEST CORNER THEREOF; THENCE NORTH 85°27'43" WEST 138.00 FEET TO THE NORTH LINE OF LOT 6 OF SAID BLOCK 4; THENCE NORTH 15°36'00" WEST PERPENDICULAR TO SAID NORTH LINE 23.00 FEET TO THE CENTERLINE OF VACATED DESCRIBED STREET; THENCE SOUTH 74°24'00" WEST ALONG SAID CENTERLINE 259.22 FEET TO A POINT WHICH BEARS SOUTH 15°38'00" EAST FROM THE NORTHWEST CORNER OF LOT 10 OF BLOCK 5 OF SAID PATTERSON'S CAPITOL ADDITION TO OLYMPIA. THENCE NORTH 15°38'00" WEST 25.00 FEET TO SAID NORTHWEST CORNER; THENCE NORTH 07°10'01" EAST 54.61 FEET TO A POINT ON THE GOVERNMENT HEADQUARTERS LANE; THENCE NORTH 18°13'42" WEST 208.10 FEET TO THE CENTERLINE OF VACATED ON-VALED STREET GOVERNMENT HEADQUARTERS LANE 208.10 FEET TO THE CENTERLINE OF VACATED ON-VALED STREET ADJOINING BLOCK 105 ON THE SOUTH OF SAID PLAT OF OLYMPIA TIDE LANDS; THENCE SOUTH 85°54'27" WEST ALONG SAID CENTERLINE 50.88 FEET TO THE EAST LINE OF DESCRIBED WATERWAY; THENCE NORTH 11°38'11" WEST ALONG SAID EAST LINE 312.71 FEET TO THE CENTERLINE OF VACATED UPHAM AVENUE IN SAID PLAT OF OLYMPIA TIDE LANDS; THENCE NORTH 85°54'27" EAST ALONG SAID CENTERLINE 839.79 FEET TO THE CENTERLINE OF VACATED SHAWNS STREET IN SAID PLAT OF OLYMPIA TIDE LANDS; THENCE NORTH 04°05'13" WEST ALONG SAID CENTERLINE 1550.34 FEET TO THE CENTERLINE OF VACATED LEGION WAY IN SAID PLAT OF OLYMPIA TIDE LANDS; THENCE SOUTH 85°53'03" WEST ALONG THE CENTERLINE OF SAID VACATED LEGION WAY 640.01 FEET TO THE CENTERLINE OF VACATED MASON STREET IN SAID PLAT OF OLYMPIA TIDE LANDS; THENCE NORTH 04°05'13" WEST ALONG SAID CENTERLINE 180.87 FEET TO THE EAST LINE OF SAID DESCRIBED WATERWAY; THENCE NORTH 44°40'21" EAST 84.23 FEET; THENCE NORTH 37°10'40" WEST 28.40 FEET; THENCE NORTH 04°05'53" WEST 20.23 FEET TO THE SOUTH RIGHT OF WAY LINE OF 5TH AVENUE WEST; THENCE NORTH 85°54'07" EAST ALONG SAID SOUTH RIGHT OF WAY LINE 583.81 FEET; THENCE CONTINUING ALONG SAID SOUTH RIGHT OF WAY LINE NORTH 85°53'49" EAST 310.21 FEET; THENCE CONTINUING ALONG SAID SOUTH RIGHT OF WAY LINE NORTH 85°53'36" EAST 310.63 FEET TO THE POINT OF BEGINNING.

EXCEPTING THEREFROM THAT PORTION OF WATER STREET LYING NORTH OF THE SOUTH RIGHT OF WAY LINE OF VACATED 9TH AVENUE WEST.









*Attachment B*

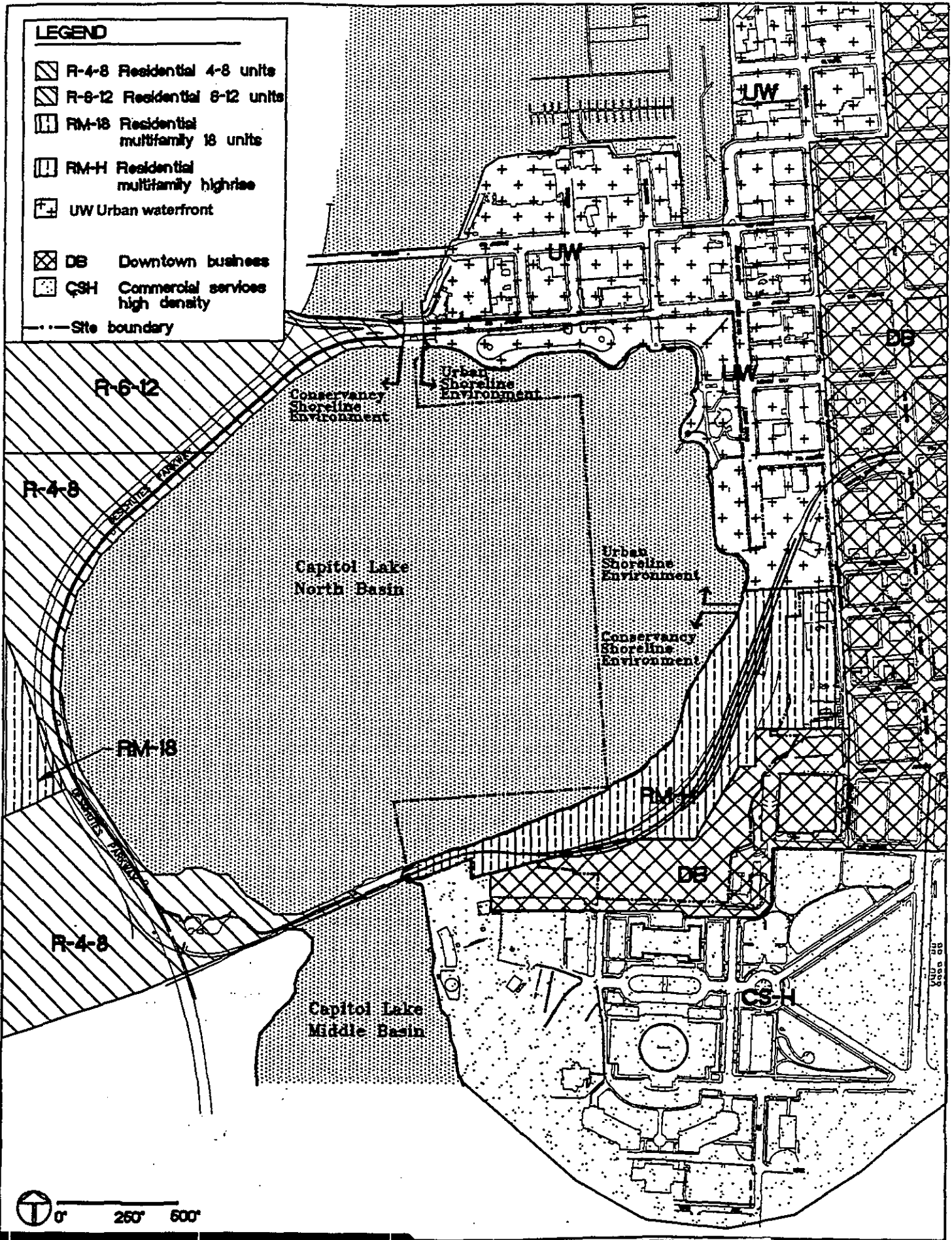
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Zoning and shoreline Designation



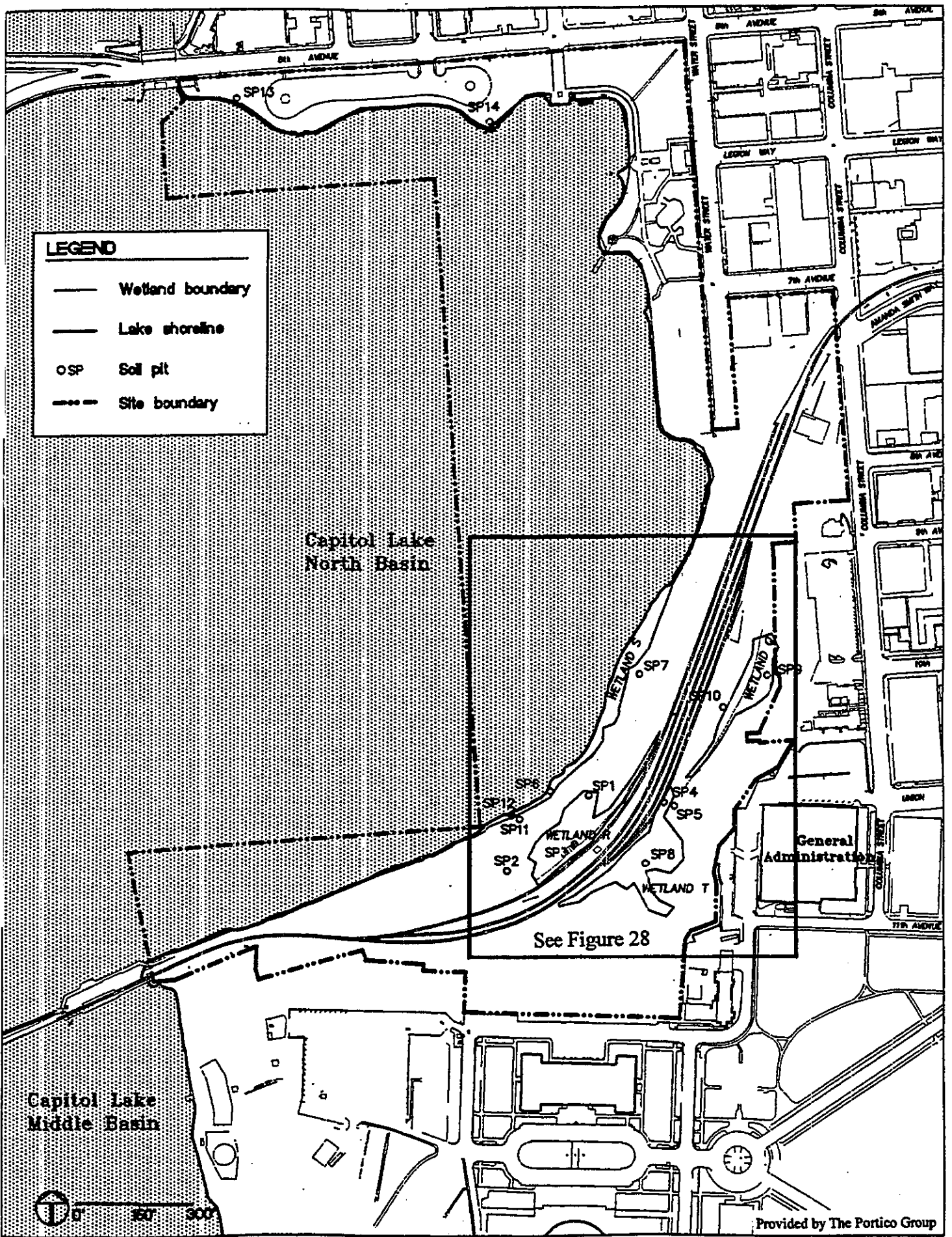
**LEGEND**

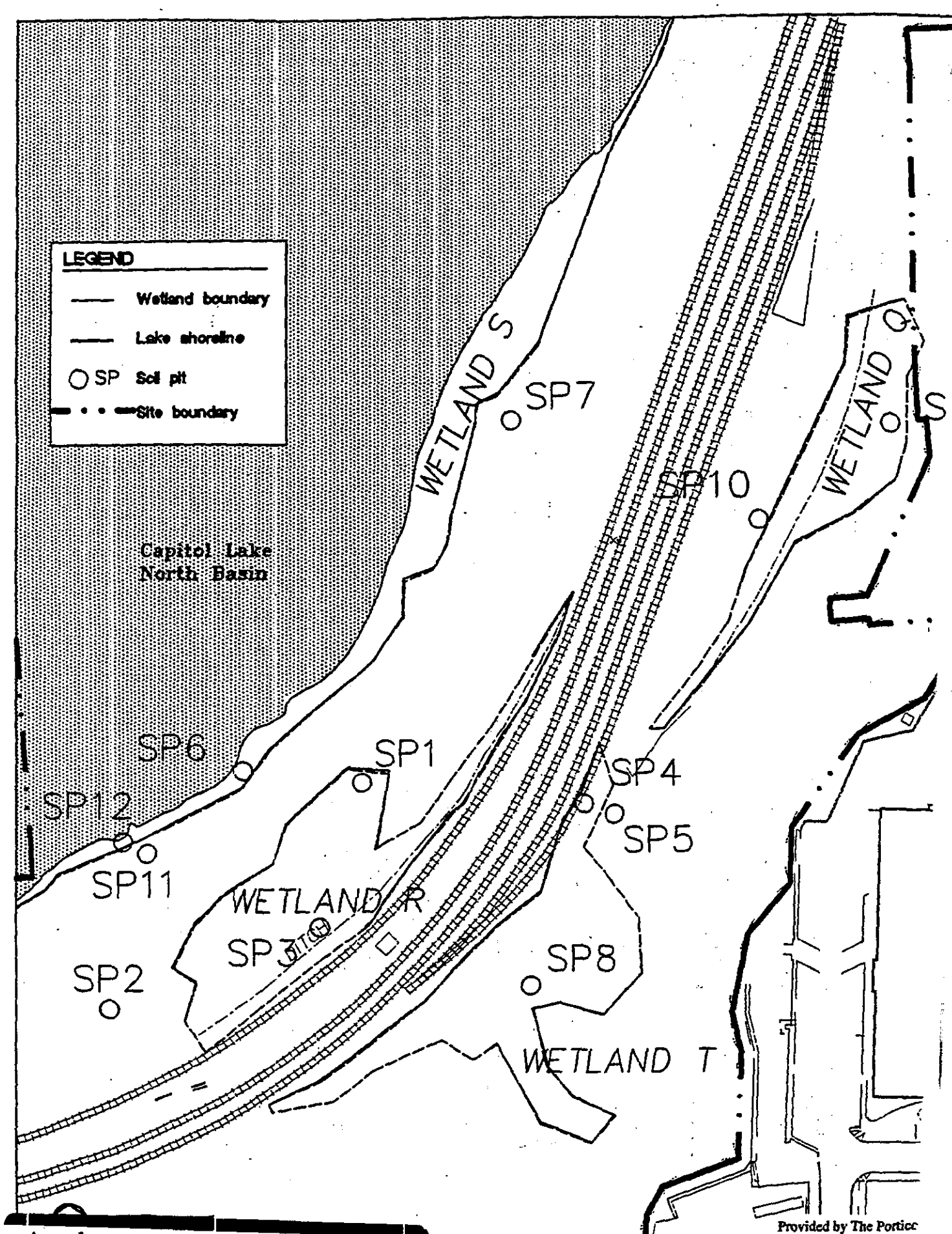
-  R-4-8 Residential 4-8 units
-  R-6-12 Residential 6-12 units
-  RM-18 Residential multifamily 18 units
-  RM-H Residential multifamily highrise
-  UW Urban waterfront
-  DB Downtown business
-  CSH Commercial services high density
-  Site boundary



*Attachment C-1 to C-4*  
Wetland Survey and Fish Habitat

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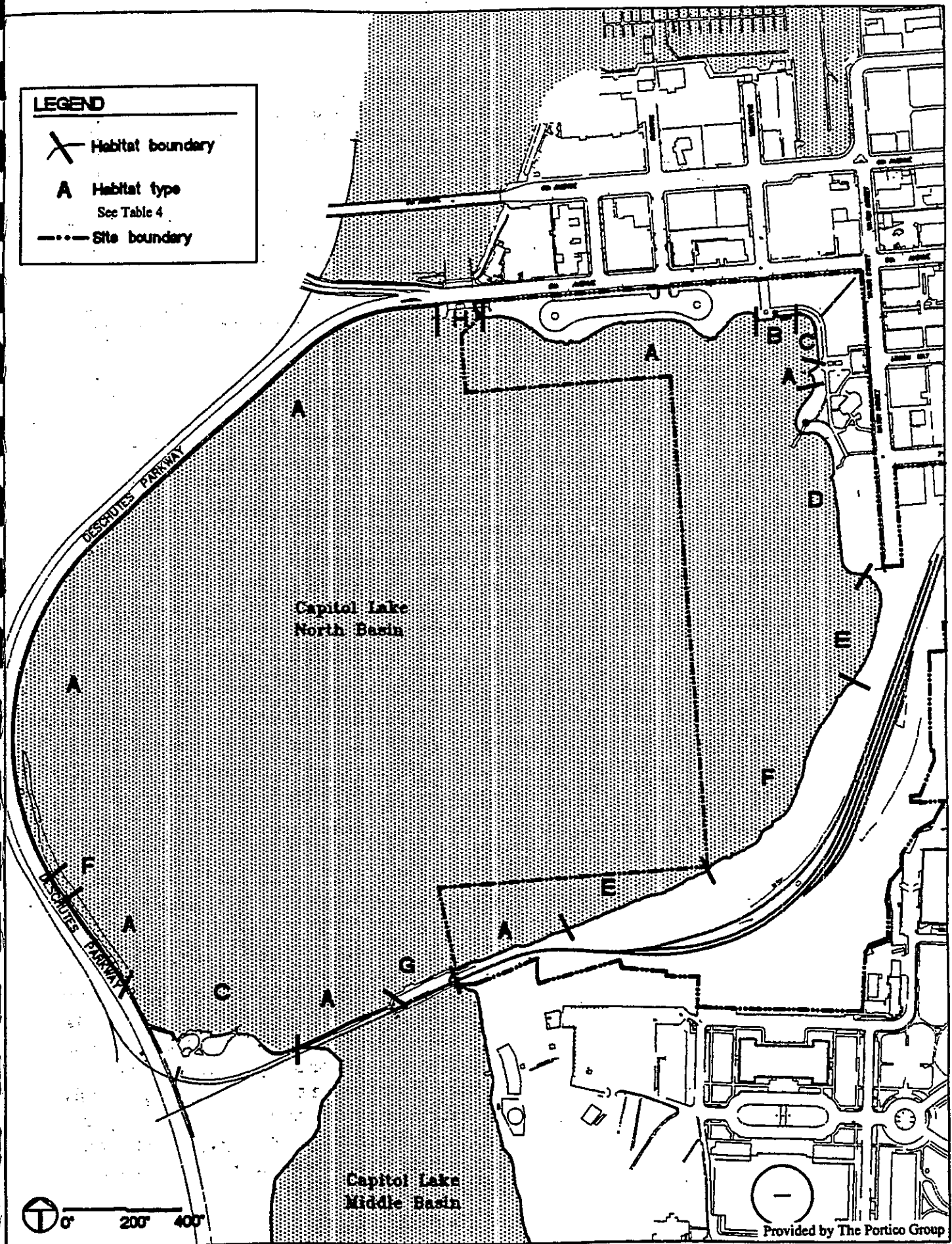


**LEGEND**

X Habitat boundary

A Habitat type  
See Table 4

--- Site boundary



0' 200' 400'

Capitol Lake  
Middle Basin

Provided by The Portico Group

fish cover is provided by emergent vegetation and large woody debris. Beach seining along the shoreline of the Capitol Lake north basin conducted in 1977 documented that shallow sand beaches with emergent vegetation had the highest abundance of juvenile chinook salmon (WGA 1977).

**Table 4. Fishery habitat types observed along shoreline of Capitol Lake north basin.**

Habitat Type	Total Length (ft)	Percentage of Shoreline Length	Description of Habitat Type	Relative Fishery Habitat Value
A	4,682	55.1	Steep riprap beach with banks covered with grasses and scattered shrubs	Low
B	173	2.0	Vertical concrete retaining walls over sand bottom with no emergent vegetation	Low
C	733	8.6	Shallow sandy beach with no emergent vegetation	Low
D	752	8.9	Steep gravel banks covered with undermined grass sod	Low
E	911	10.7	Shallow silt beach covered with undermined grass sod and scattered shrubs	Moderate
F	914	10.8	Shallow sandy beach lined with cattails	High
G	244	2.9	Boardwalk and railroad trestle on pilings	Low
H	85	1.0	Tide gate structure adjacent to deep water	Low

The remaining shoreline habitat within the project area includes a steep riprap beach with minimal overhanging vegetation (A), retaining walls (B), a shallow sand beach with no emergent vegetation (C), and a steep gravel beach lined with undermined grass sod (D). These portions of shoreline within the project area provide poor fish habitat because of the steep beach slope, a substrate composition consisting of silty muck, and lack of overhanging or emergent vegetation providing cover (USFWS 1981).

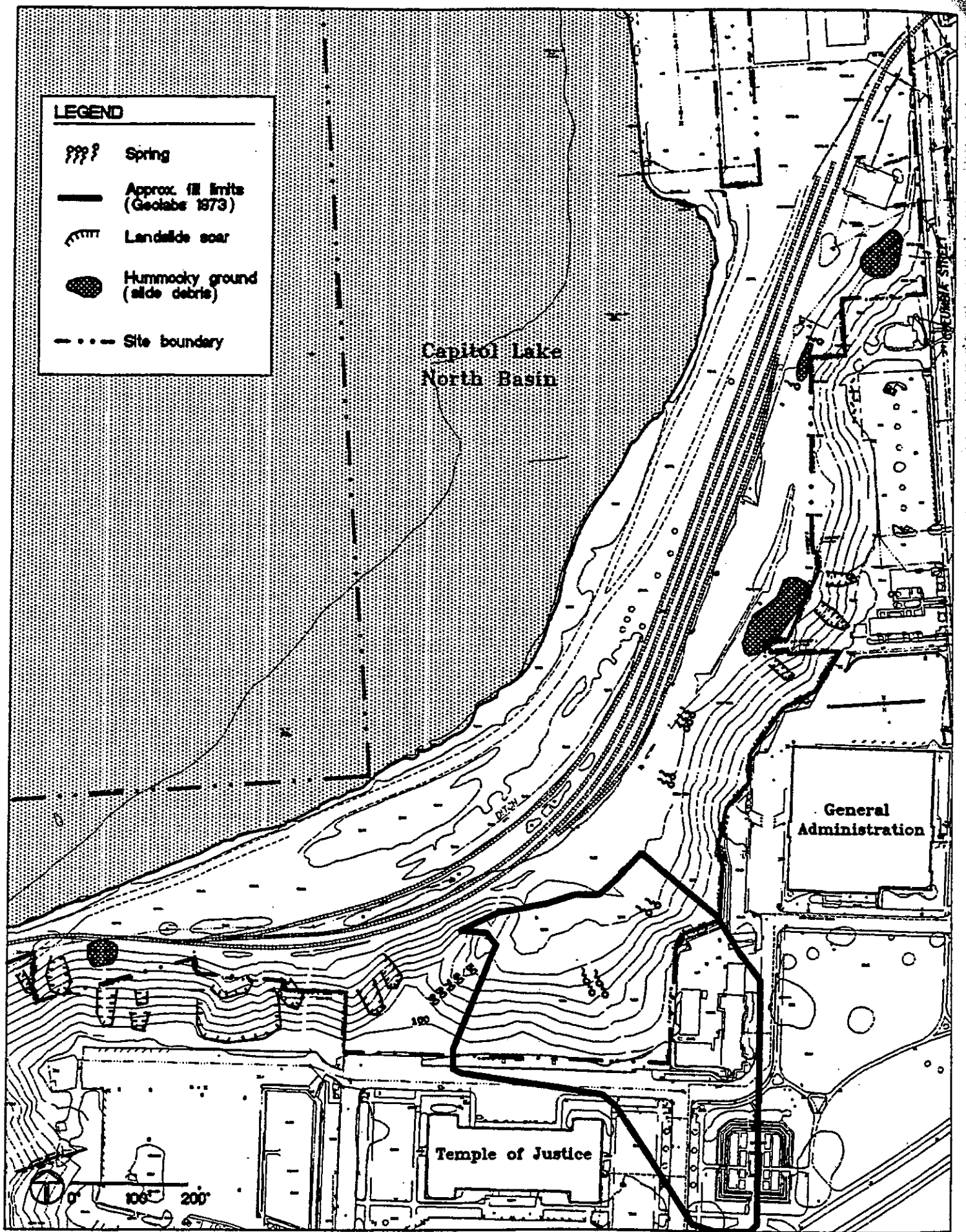
## Impacts

### *Alternative 1*

Impacts on fisheries from Alternative 1 include short-term construction impacts and long-term changes in habitat. Based on the literature review and the survey of existing conditions, the greatest fisheries impact would be experienced by juvenile salmonids using near-shore habitat in the project area. Impacts on adult salmonids would be minor, because these spawning adults do not use near-shore habitats within the project area. Potential impacts involve water quality degradation and displacement of fish from near-shore habitats due to construction. Long-term impacts on fish habitat include permanent changes to the bank slopes, vegetation, lake water circulation patterns, stormwater runoff, and water quality along the eastern shore of the Capitol Lake north basin.

*Attachment D*  
Steep Slope Conditions

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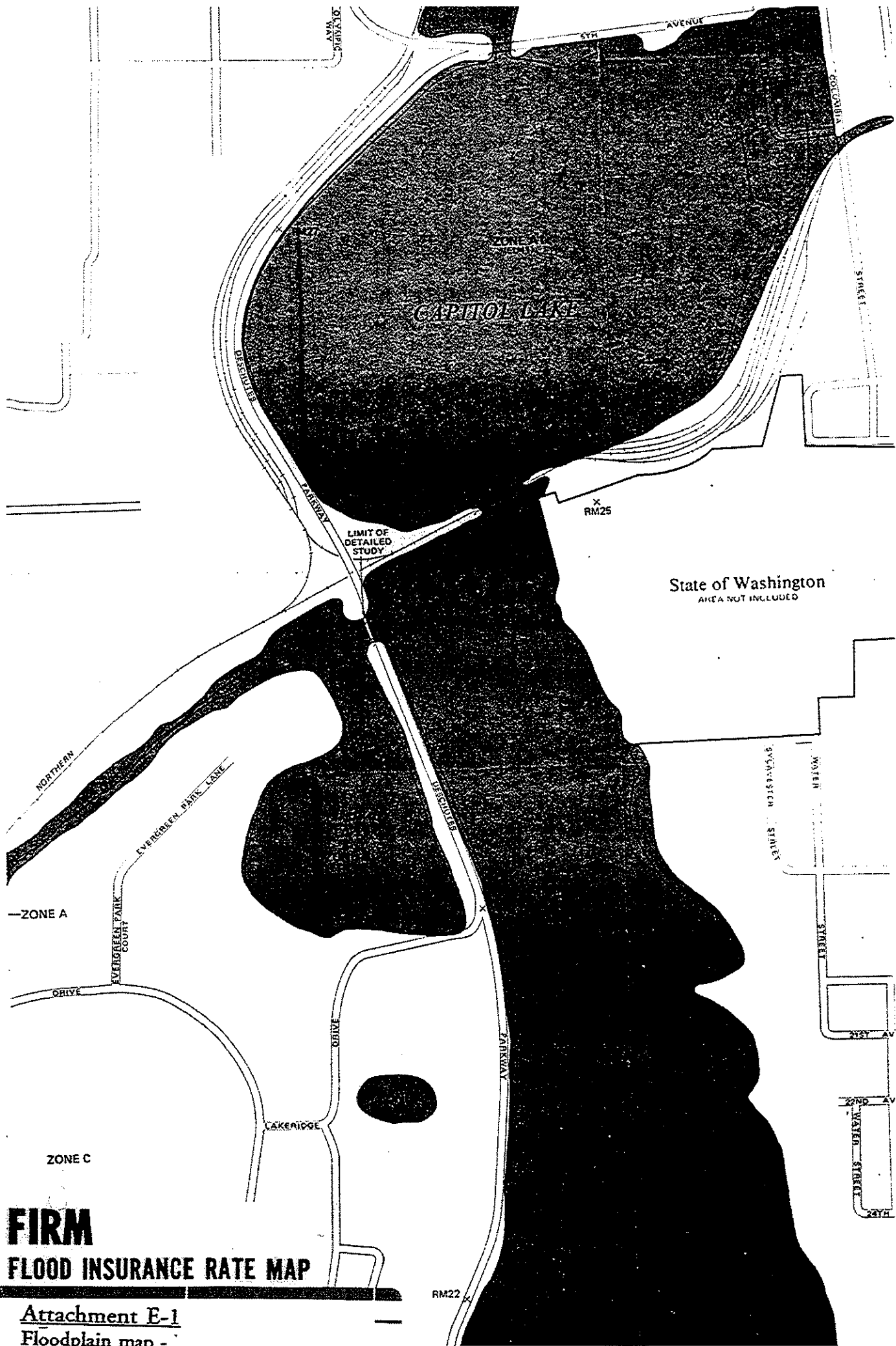


Attachment D  
 Step slope conditions



*Attachments E-1 & E-2*

Floodplain map and analysis



**FIRM**  
**FLOOD INSURANCE RATE MAP**

Attachment E-1  
 Floodplain map -

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***Technical Appendix  
Heritage Park EIS***

**FLOOD IMPACT ANALYSIS  
ON CAPITOL LAKE  
Olympia, Washington**

Prepared for

Washington State  
Department of General Administration

Prepared by

**ENTRANCO**  
10900 NE 8th Street, Suite 300  
Bellevue, Washington 98004  
(206) 454-5600

April 15, 1996

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# FLOOD IMPACT ANALYSIS TECHNICAL APPENDIX HERITAGE PARK EIS

## INTRODUCTION

This flood modeling study was prepared for the Washington State Department of General Administration (DGA) to evaluate the potential flood impacts of proposed Heritage Park Improvements on Capitol Lake. Implementing the Heritage Park Plan would result in some loss of flood storage volume with reconstruction of the eastern shoreline of Capitol Lake's north basin. However, the results of this flood impact analysis indicate that the impact on flood elevations would be insignificant.

Under existing conditions, flooding in Capitol Lake occurs during periods of high discharge from the Deschutes River and correspondingly high tidal elevations in Budd Inlet. Capitol Lake (270 acres) is separated from Budd Inlet by a tide gate/dam structure at the 5th Avenue bridge. Prior to flood events, DGA (operator of the gates) lowers the lake to provide some additional flood storage capacity. The City of Olympia has estimated the 100-year flood elevation at +11.0 feet mean sea level (MSL). Normal lake elevation is +6.43 feet MSL in the summer and +5.43 feet MSL in the winter.

The impact on the maximum flood elevation for the 2-, 25- and 100-year flow conditions was determined by computer modeling analysis for the following scenarios:

1. Existing lake volume conditions (no action)
2. Existing lake volume conditions with proposed Heritage Park modifications
3. Middle basin filled with sediment and proposed Heritage Park modifications.

The third scenario was evaluated because long-term maintenance dredging of the middle basin may be discontinued, in which case the middle basin would fill with sediments carried into Capitol Lake by the Deschutes River. If maintenance dredging is discontinued, middle basin filling could take as long as 30 to 85 years, depending on variable weather and precipitation patterns, peak river discharge, river bank stability, changing land use practices in the watershed, and other factors.

## METHODOLOGY

### Original Methods and Assumptions

The modeling approach used level pool routing and integrated the effects of tidal phasing, tide gate operations, different starting lake elevations (+5.43 feet MSL, normal winter elevation; and -4.0 feet MSL, assuming lake drawdown prior to flood flows), and design flows for the Deschutes river as provided by the U.S. Geological Survey (USGS)

1985) for the three different flood return intervals (2-year, 25-year and 100-year). The shape of the hydrograph used for all storms is based on measurements of a high flow event recorded by Entranco on the Deschutes River at the E Street bridge in 1983. The relationship between lake stage and lake volume is based on the most recent aerial photography of the lake provided to Entranco by Walker & Associates in 1991. This aerial survey was spliced together with the north shore ground survey topography provided by Hansen and Seiff and dated September 13, 1995.

Model iterations were run using different tidal cycle phase shifts, relative to the time of peak river discharge, until the maximum lake flood elevation was determined for each test scenario. This approach was used to determine the worst case combination of tide and flood flow conditions for each scenario. All model predictions assumed a maximum tide elevation of +11.00 feet MSL.

All elevations are based on USGS datum where MSL is set at zero feet. Stage volume calculations were made at one-foot intervals from -5 feet MSL to +13 feet MSL. Volumes at elevations +12 and +13 feet MSL were extrapolated since they typically extend beyond the area mapped. For the scenario in which the middle basin is filled, it was assumed that the river channel would remain unobstructed (length 6,600 feet, width 100 feet at base elevation, -5 feet MSL, and 3:1 side slopes). It was assumed that the remainder of the middle basin would be filled with sediment to elevation +7.00 feet MSL. Net fill volumes for the Heritage Park plan were based on the January 11, 1996 memo from Maureen Kwolek of the SVR Design Company to Dennis Meyer of The Porficio Group.

If the depth of fill in the middle basin exceeds +7.00 MSL in the future, then flood elevations could be higher than predicted in this modeling assessment.

### Differences from the Entranco (1990) Modeling Analysis

The modeling approach used for this analysis was similar to the one conducted by Entranco for the Wetland Development Feasibility Study on Capitol Lake in 1990 (Entranco 1990). However, there have been four significant changes since the 1990 analysis:

- The minimum lake elevation was raised from -7.7 feet MSL to -4.0 feet MSL because we discovered that the tide gate sill elevation is actually -7.07 feet MSL and that approximately 2.57 feet of head is necessary to pass the typical winter flow over the tide gate sill. This change means there is less drawdown flood storage than was assumed previously.
- The assumed sediment elevation for the lake was raised from +6.43 feet MSL to +7.0 feet MSL. We thought this would be a more realistic condition reflecting a reduced flood storage capacity in the lake if it is allowed to fill with sediment.

- The lake volume/lake stage relationship was calculated based on the most recent lake bottom survey of 1991 and is considered a more accurate relationship than the one used in the 1990 analysis.
- The pre-drawdown lake elevation was set at +5.43 feet MSL, the normal winter control elevation, rather than +6.43 feet MSL—the normal summer elevation and the elevation used in the 1990 flood impact analysis.
- Tide and river phasing were modified for each model run to determine the worst case flood conditions. This is different from the 1990 Entrance analysis, because in that analysis, the timing of river flow and tide cycle was kept constant for all model runs.

### Revisions to the February 28, 1996 Draft Impact Analysis

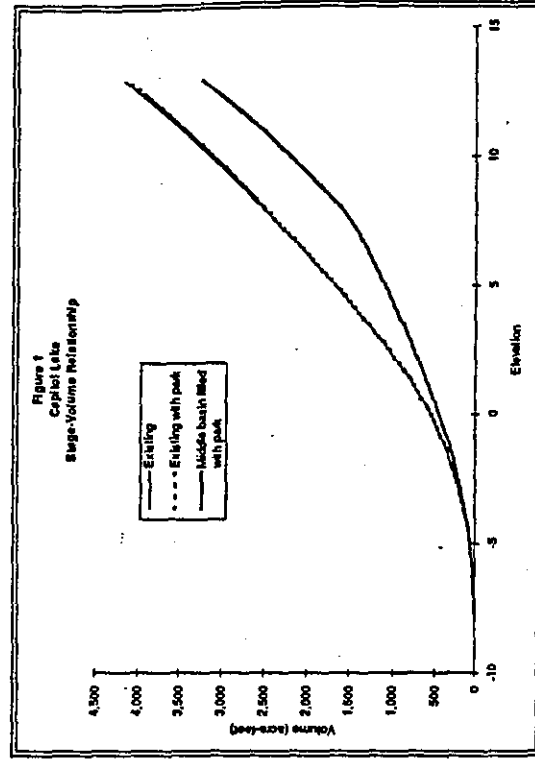
The Capitol Lake flooding analysis was revised in response to comments received from DGA. As a part of the revision, the basic model was reviewed and the following changes or updates made:

- The sill elevation for the tide gates was changed from -7.7 feet MSL to -7.07 feet MSL. This change was made after reviewing previous drawings of the structure (made by Entrance during the 1984 study) and checking datum conversions on those drawings. We also compared datum conversions provided by DGA during the course of this study. There still is some uncertainty regarding the datum conversion with earlier conversions stating that 0.0 feet MSL (USGS datum) is equal to -9.79 feet (City of Olympia datum). In a 1984 letter to Ecology, the conversion was indicated to be 0.0 feet MSL is equal to -9.93 feet (City of Olympia datum) (a difference of 0.14 feet). In the 1984 study by Entrance, the tide gate sill was shown to be at -17.0 feet (City of Olympia datum), or -7.07 to -7.21 feet MSL depending upon which conversion is used. We elected to use the conversion surveyed for Ecology, or -7.07 feet MSL. It should be noted that the source of the -17.0-foot sill elevation (City of Olympia datum) was not confirmed, but was presumed to be correct for this analysis.
- The elevation-volume relationship was extrapolated down to elevation -7.7 feet MSL to be consistent with the earlier flood study analysis. This was accomplished by using the regression curve developed for the earlier study to estimate volumes below the surveyed levels. Cumulative lake volumes above elevation -5 feet MSL were adjusted to reflect the extrapolated volume below -5 feet MSL.
- The pre-flood drawdown elevation was changed from -4.0 feet MSL to -4.5 feet MSL based on re-evaluation of the lowest likely drawdown elevation possible with winter flows over the tide gate sill.

- Because the flood elevation is dependent upon the timing of the peak flow relative to the highest tide, flood elevations will vary depending on the actual timing during any given flood flow. In view of this natural variability, we decided to present a range of likely flood elevations for each flood flow (2-year, 25-year, and 100-year flow) instead of a single value as was done in previous analyses. We believe this is a more realistic approach.

### RESULTS

The results of the stage-volume calculations are shown in figure 1. It is immediately obvious that changes resulting from the Heritage Park project are very minor, and that the greatest effect on flood storage volume would occur if the middle basin was allowed to fill with sediment.



Figures 2 and 3 show the corresponding tidal and lake elevations, and the 100-year hydrograph, respectively, as an example of model-run conditions. As shown in figure 2, the starting lake elevation for this example scenario is set at +5.43 feet MSL. The maximum lake elevation follows the maximum tidal elevation with each tidal cycle, indicating the control that tide elevation has on lake level.

Flood level predictions are summarized in table 1. The elevations at which various areas of the north basin flood, under existing and proposed shoreline conditions, are shown in table 2.

**Table 1**  
**Summary of Lake Level Predictions**

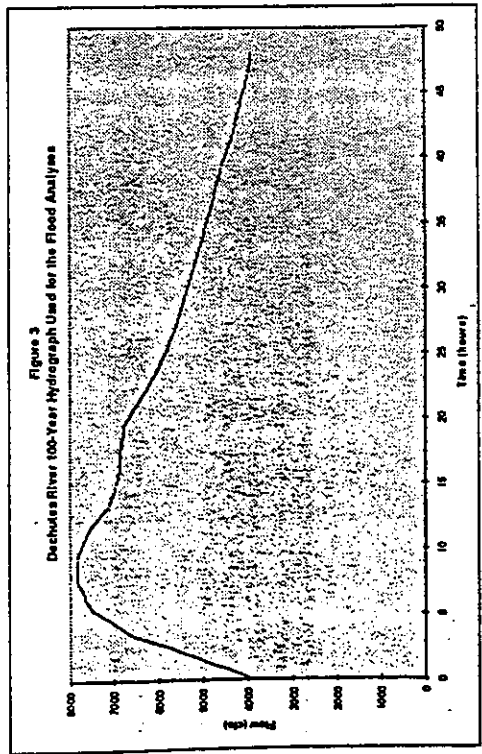
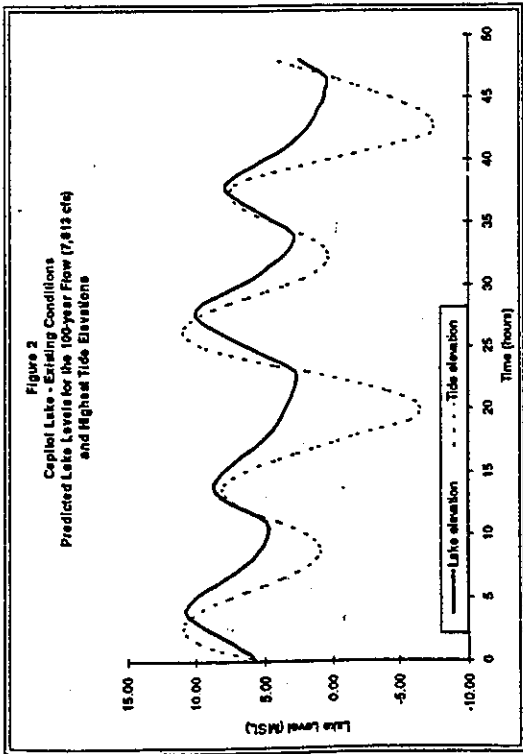
Flow Condition	Starting Elevation (MSL in feet) <sup>1</sup>	Maximum Lake Level		
		Existing Condition (MSL in feet)	Existing Volume plus Heritage Park (MSL in feet)	Middle Basin Filled plus Heritage Park (MSL in feet)
2-Year Flow (3,803 cfs) with drawdown	+5.4	8.8 to 9.0	8.9 to 9.1	9.1 to 9.3
	-4.5	7.1 to 7.4	7.2 to 7.4	8.4 to 9.3
25-Year Flow (8,529 cfs) with drawdown	+5.4	10.3 to 10.4	10.4 to 10.5	10.9 to 11.7
	-4.5	9.1 to 10.4	9.2 to 10.4	10.5 to 11.5
100-Year Flow (7,813 cfs) with drawdown	+5.4	10.9 to 11.2	10.9 to 11.2	11.2 to 11.8
	-4.5	10.0 to 11.1	10.0 to 11.1	10.9 to 11.8

1. Mean Sea Level (MSL)  
2. Cubic feet per second (cfs)

**Impact of Constructing Heritage Park**

The model predicts a 0.1-foot (1.2 inch) increase in the 2-year and 25-year flood elevations if Heritage Park is built and there is no lake filling. It also predicts there would be no increase in the 100-year flood. Therefore, there would be no significant change compared to existing conditions.

Since the Heritage Park project would increase the shoreline elevation to +10.0 feet MSL along the entire northern and eastern shore of Capitol Lake (table 2), the maximum elevation during the 2-year storm (+9.1 feet MSL) would not result in any flood impacts. Nor would the 25-year or 100-year storms if pre-flood drawdown occurs.



**Table 2**  
**Elevations at Which Flood Impacts Begin on the Northern and Eastern Shores of Capitol Lake**

Location	Approximate Flood Elevation (MSL) Existing <sup>1</sup>	Approximate Flood Elevation (MSL) Proposed <sup>2</sup>
North Shore Parking Lot	+8.0 feet	+10.0 to +11.0 feet
East Shore Railroad Tracks	+9.0 feet	+10.0 to +11.0 feet
Water Street	+9.5 to +10.5 feet	No change
Columbia Street	+10.0 feet	No change
5th Avenue	+11.0 feet	No change

1. Source: Entrance 1990.  
2. Proposed elevations with Heritage Park Plan.

For the No-Action Alternative (Existing Conditions), flooding would continue to occur at the north shore parking lot, east shore railroad tracks, portions of Water Street, and portions of Columbia Street during the 25- and 100-year floods if pre-flood drawdown was not used. For the Heritage Park Alternative, approximately 0.4 and 0.9 feet of park flooding would occur with the 25-year and 100-year river flows, respectively. If pre-flood drawdown is not used. Also, some flooding of Water and Columbia Streets would occur under similar conditions.

### Impact of Constructing Heritage Park and Allowing the Middle Basin to Fill

Since the impact of Heritage Park by itself is insignificant, it should be evident that the major impact of this scenario is due to the filling of Capitol Lake with sediment and not due to park construction. Filling the middle basin could result in higher flood elevations by as much as 1.9 feet for the 2-year storm, 1.4 feet for the 25-year storm, and 0.9 foot for the 100-year storm.

If the middle basin is filled with sediment, flood waters will be up to 1.7 feet deep in Heritage Park (lowest elevation +10.0) during the 25-year storm, and up to 1.8 feet during the 100-year storm. These are considered acceptable park impacts because they will rarely occur and because they will only last for a few hours.

### Benefits of Pre-Flood Drawdown

Modeling predictions indicate a significant benefit associated with lowering the lake to -4.5 feet MSL prior to 2-year storms—this practice achieves reductions in the maximum lake level of up to 1.7 feet under existing conditions. However, as shown in table 2, only the north shore parking lot and east shore railroad tracks are impacted by this level of flooding under existing conditions. If shoreline elevations are raised to +10.0 feet MSL or higher with construction of Heritage Park, 2-year flood impacts would not occur, and there would be no need for pre-storm drawdown.

The benefits of pre-storm drawdown may be as high as 1.2 feet for the 25-year flood and 0.9 foot for the 100-year flood for existing and Heritage Park Alternatives, but would be reduced to no more than 0.4 and 0.3 foot for the 25- and 100-year floods, respectively, for the scenario allowing the middle basin to fill with sediment.

### REFERENCES

#### Entranco

1984 Capitol Lake Restoration Analysis. Prepared for the State of Washington Department of General Administration.

1990 Capitol Lake Wetland Development Feasibility Analysis. Prepared for the State of Washington Department of General Administration.

#### U.S. Geological Survey

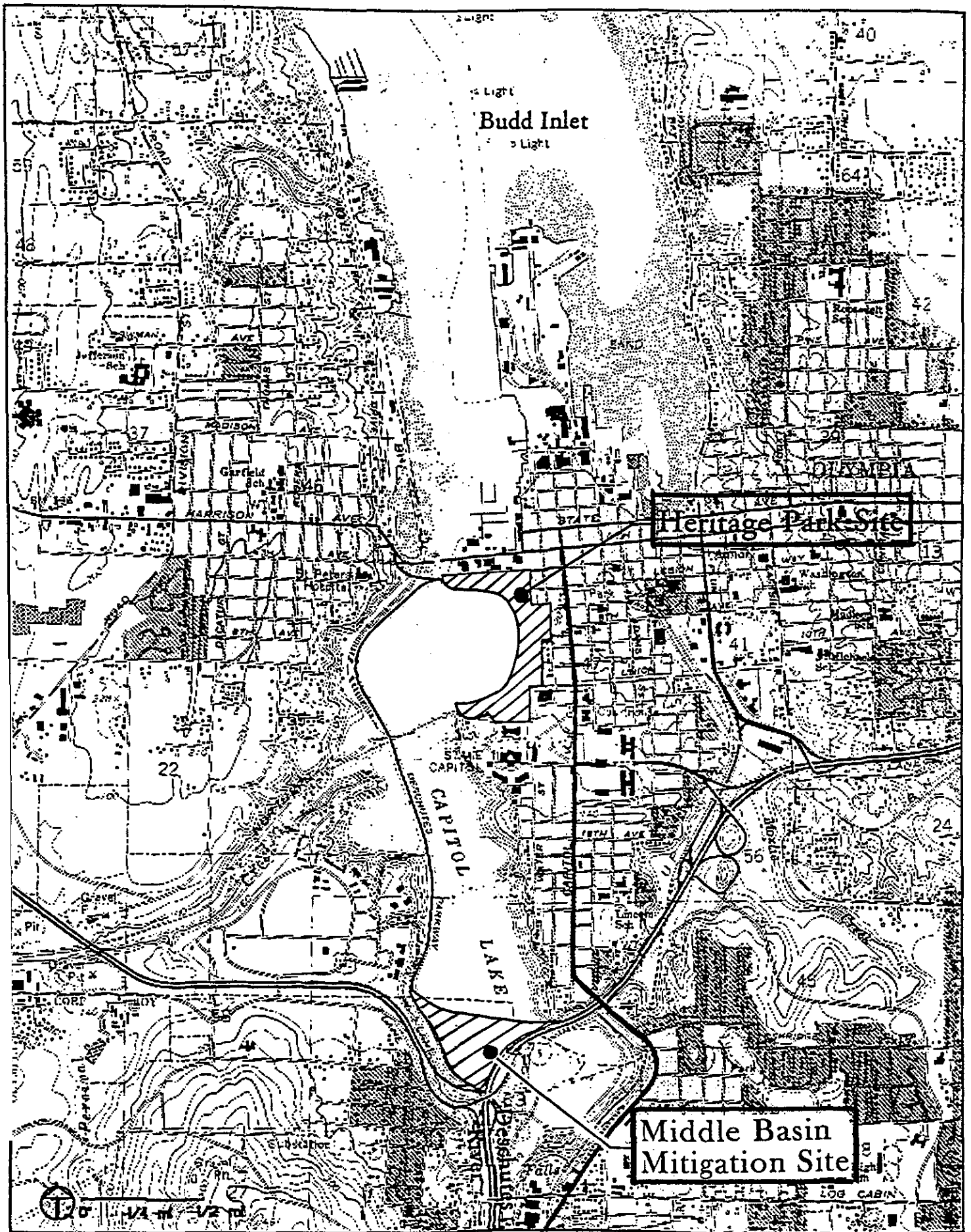
1985 Streamflow Statistics and Drainage - Basin Characteristics for the Puget Sound Region, Washington. Vol. 1: Western and Southern Puget Sound. Open-file Report 84-144-1. Prepared by J.R. Williams, H.E. Pearson, and J.D. Wilson.



*Attachment F*

Vicinity Map

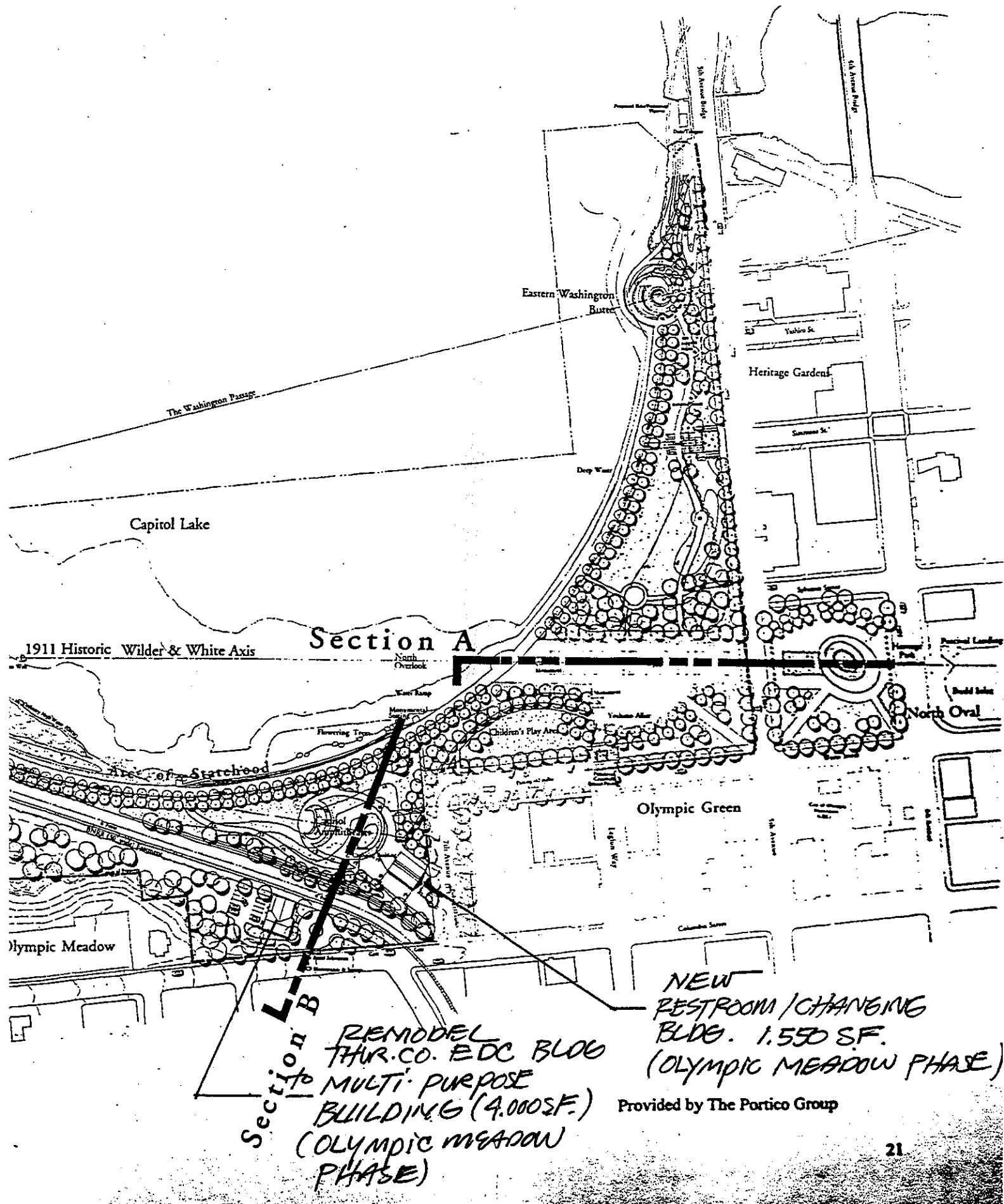
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Attachment F  
Vicinity Map

*Attachment G*  
Schematic Design Plan

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The Washington Passage

Capitol Lake

Eastern Washington Bldg

Heritage Gardens

Section A

1911 Historic Wilder & White Axis

North Overlook

West Loop

Flowering Trees

Ave. of Starchood

Children's Play Area

Olympic Green

North Oval

Olympic Meadow

SECTION B

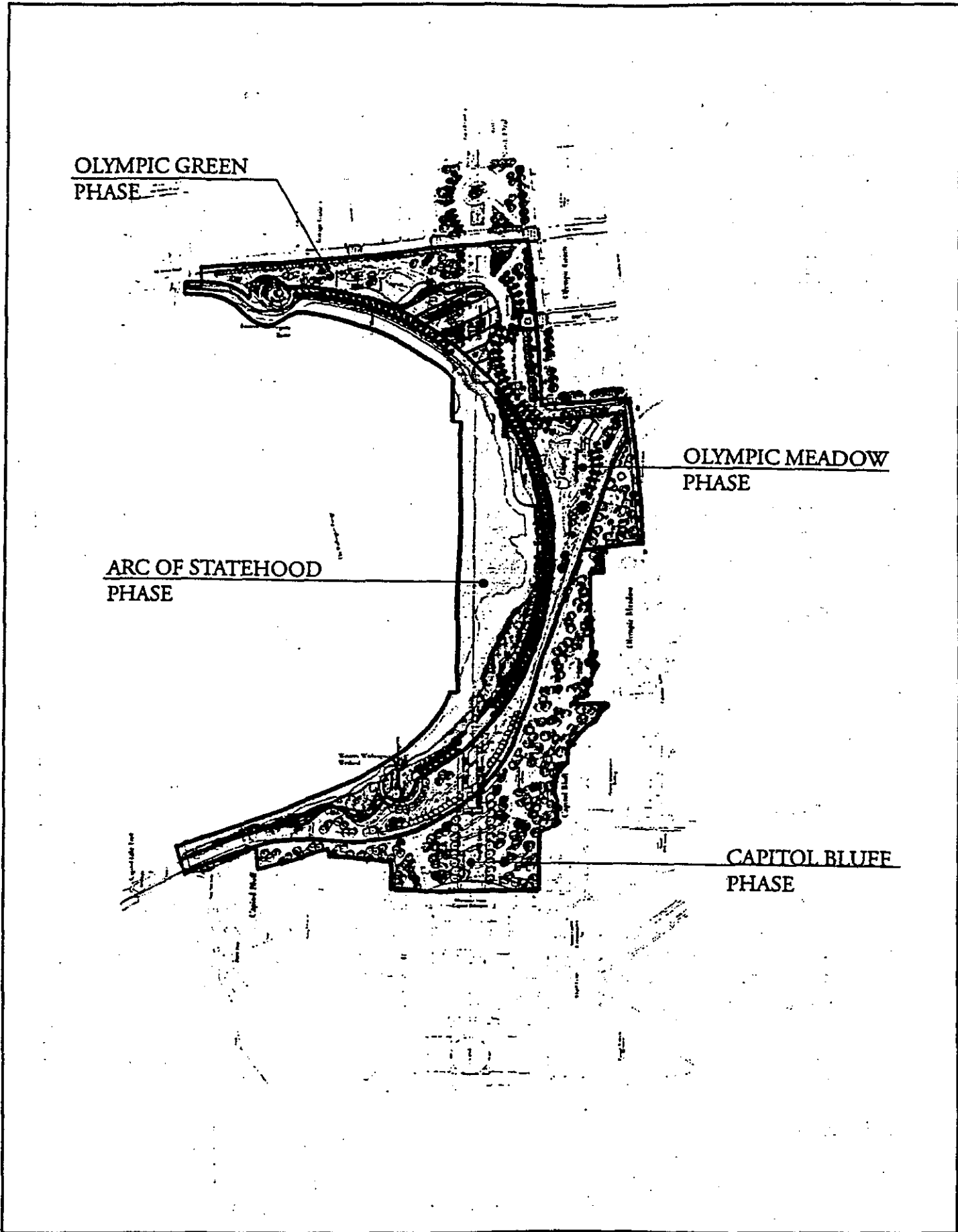
REMODEL  
THUR. CO. EDC BLDG  
to MULTI-PURPOSE  
BUILDING (4,000 SF.)  
(OLYMPIC MEADOW  
PHASE)

NEW  
RESTROOM/CHANGING  
BLDG. 1,550 SF.  
(OLYMPIC MEADOW PHASE)

Provided by The Portico Group

*Attachment H-1*  
Heritage Park Phasing Plan

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OLYMPIC GREEN  
PHASE

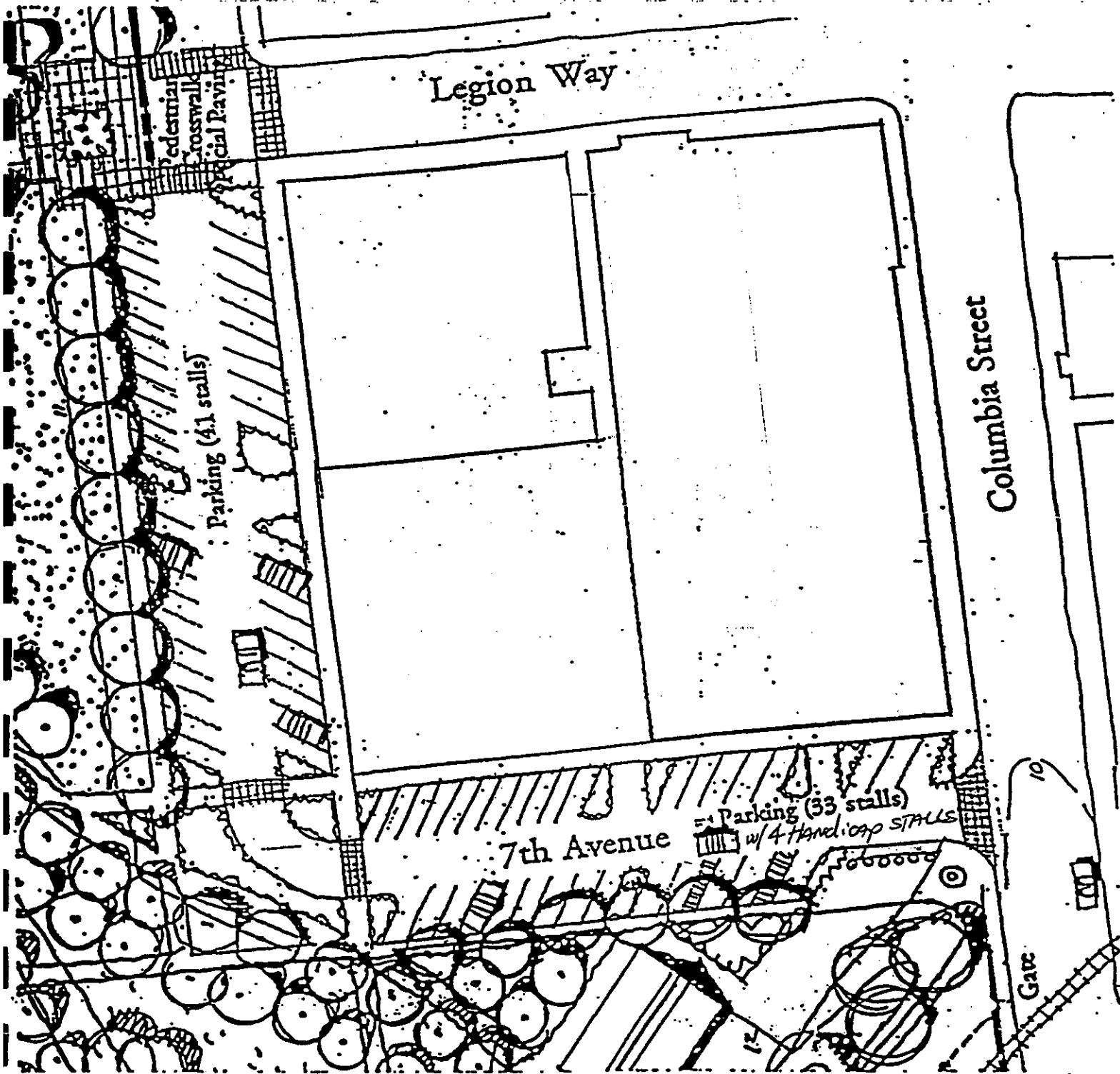
OLYMPIC MEADOW  
PHASE

ARC OF STATEHOOD  
PHASE

CAPITOL BLUE  
PHASE

Attachment H-2

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# Heritage Park

Parking Street - 74 Stalls

2-Way Street / Back-in-Angle

1" = 60'

Portico

## Attachment H-2

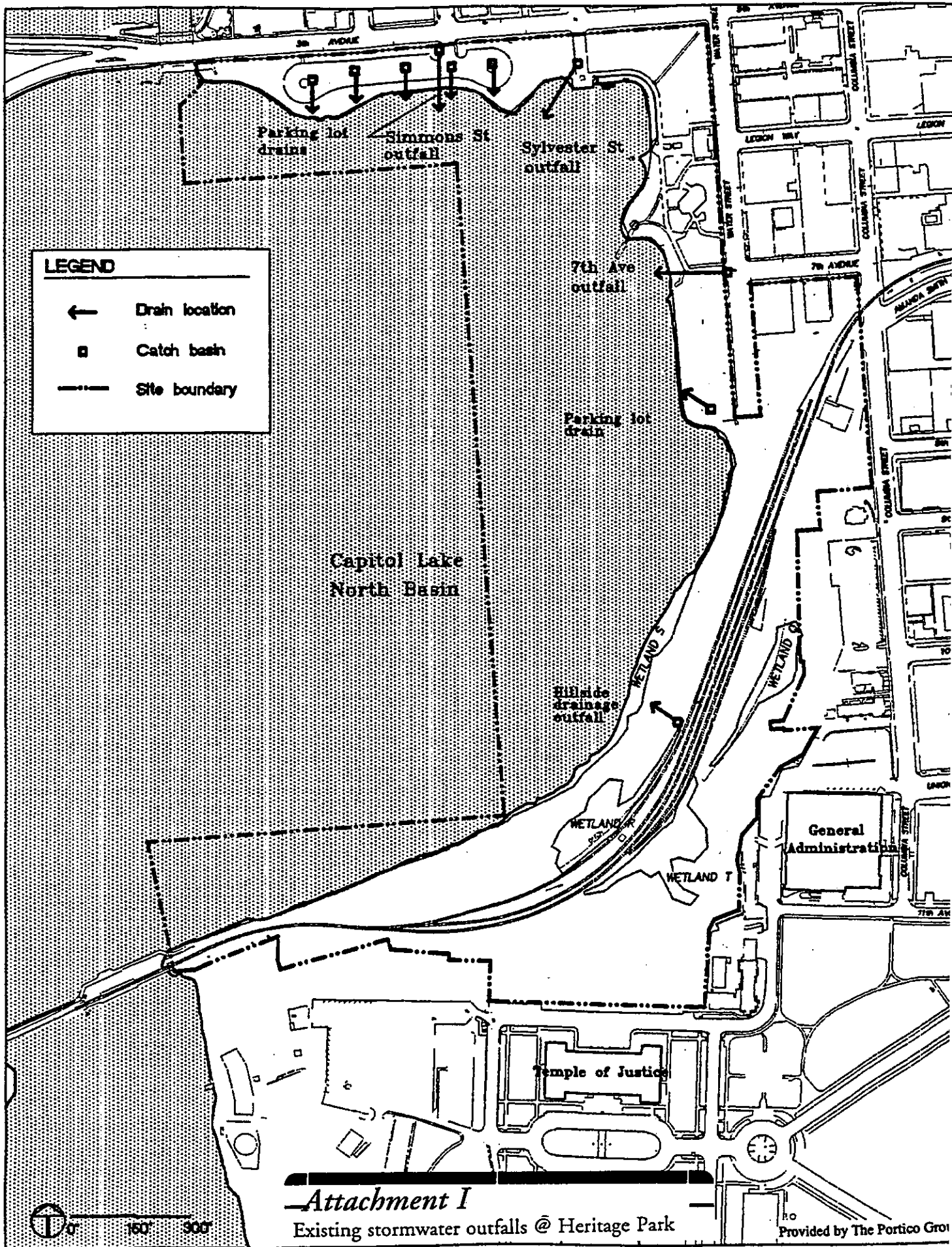
Proposed parking improvements during the Olympic Green Phase



***Attachment I***

Existing utilities abutting the Heritage Park project.

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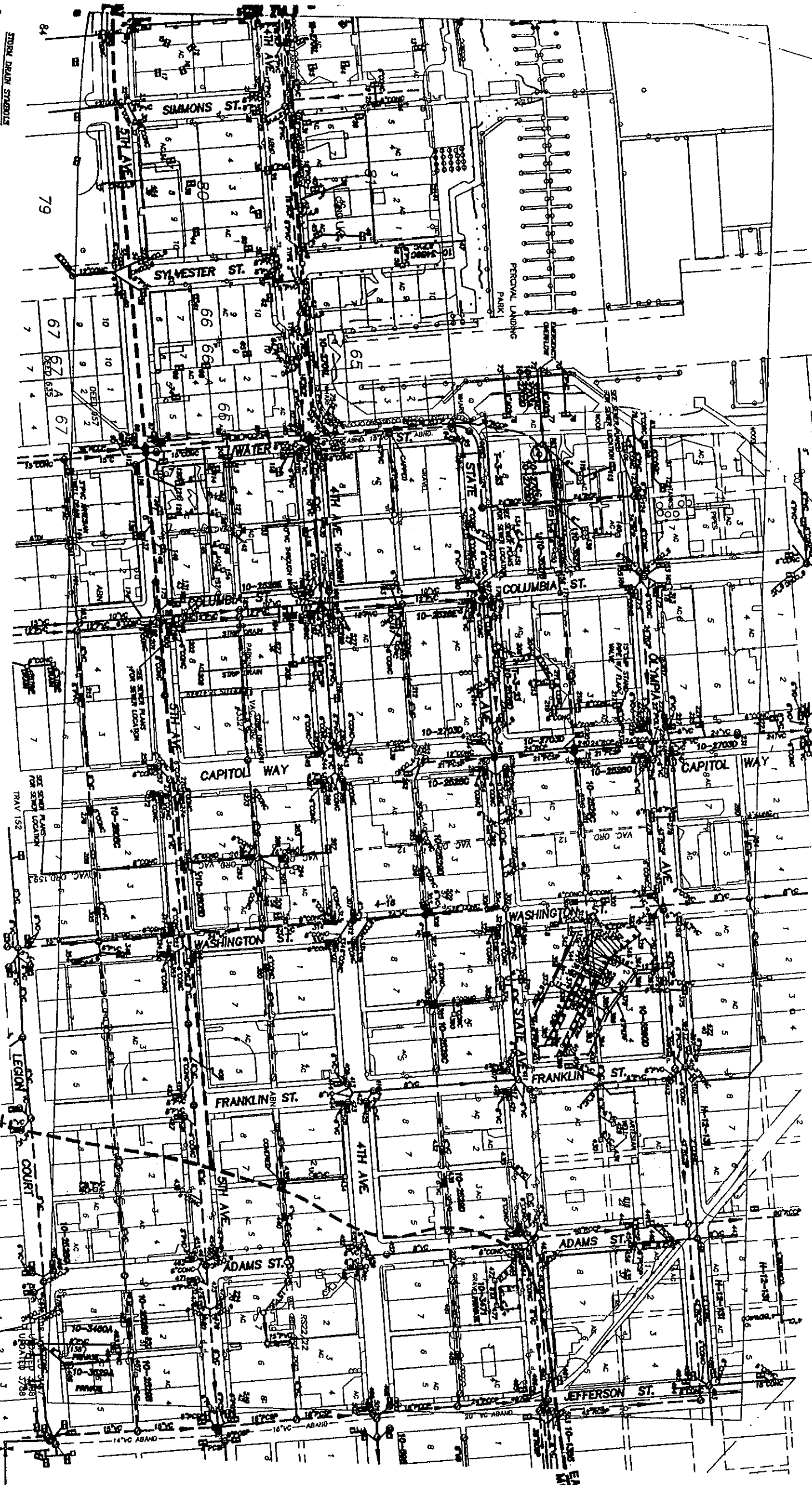


*Attachment I*

Existing stormwater outfalls @ Heritage Park

Provided by The Portico Group

N1/2 OF SW1/4 OF SECTION 14 T18N R2W



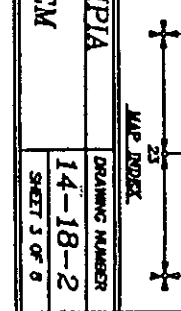
- STORM DRAIN STRUCTURES**
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  - 714' CATCH BASIN
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  - 987' CATCH BASIN
  - 990' CATCH BASIN
  - 993' CATCH BASIN
  - 996' CATCH BASIN
  - 999' CATCH BASIN

THE LOCATIONS OF UTILITY STRUCTURES ARE BASED ON RECORD INFORMATION AND ARE NOT WARRANTED. THIS MAP IS INTENDED TO SHOW THE GENERAL LAYOUT OF THE UTILITY AND NOT TO BE USED FOR ENGINEERING PURPOSES.

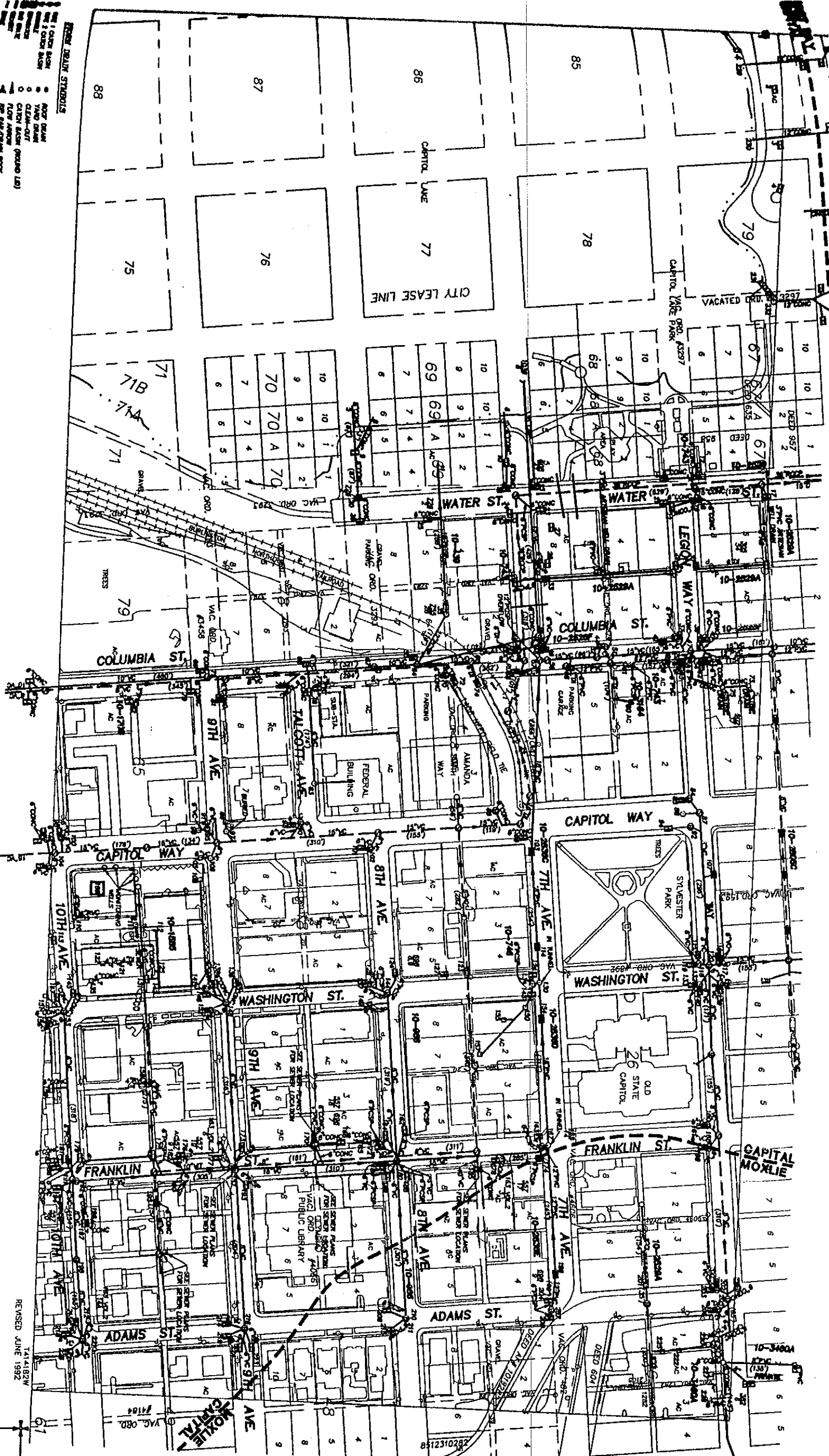
Attachment I  
Existing Utilities

CA314  
EB314  
MX314

SCALE 1"=200'	CITY OF OLYMPIA	DRAWING NUMBER
UPDATED DATE 6/75	STORM SYSTEM	14-18-2
ADOPTED 1/73		SHEET 3 OF 8



S1/2 OF SW1/4 OF SECTION 14 T18N R2W

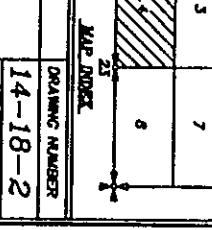


- NEW DRAIN SYMBOLS**
- MANHOLE
  - CATCH BASIN
  - VAC. DRAIN
  - CLEAN-OUT
  - CATCH BASIN (GROUND LVL)
  - FLOW METER
  - NEW MANHOLE
  - OUTLET DRAIN
- EXISTING DRAIN SYMBOLS**
- CLEANOUT
  - SANITARY SEWER MANHOLE
- OTHER FEATURES**
- PARKING LOT STORAGE
  - UNDERGROUND DETENTION
  - METEORIC
- DATA**
- CLEANOUT
  - SANITARY SEWER MANHOLE

THE LOCATION OF UTILITY STRUCTURES ARE SHOWN ON THIS PLAN AS APPROXIMATE. THE EXACT LOCATION OF THE UTILITY AND AS SHOWN ON THE DRAINAGE PLAN.

Attachment I  
Existing Utilities

SCALE 1"=100'	DATE 12/94	ADAPTED 1/73
CITY OF OLYMPIA	DRAINING NUMBER	14-18-2
STORM SYSTEM		

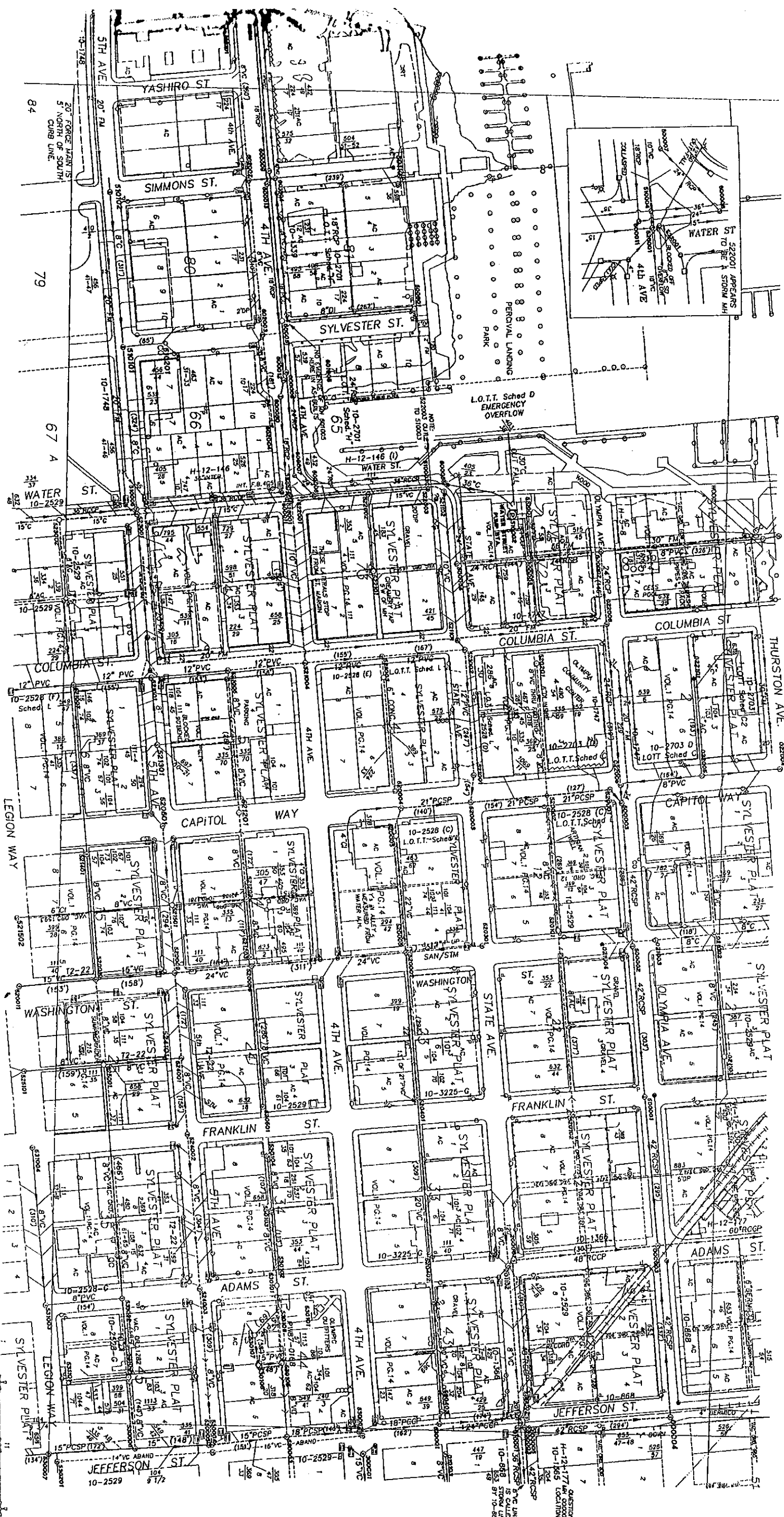


REVISED JUNE 1992  
T-14182W





N1/2 OF SW1/4 OF SECTION 14 T18N R2W



- SANITARY SEWER SYMBOLS**
- CATCH BASIN
  - MANHOLE
  - FLOW ARROW
  - CLEAN-OUT
- FIELD NOTES**
- ⊕ WASTEWATER
  - ⊕ CATCH BASIN
  - ⊕ CLEAN-OUT
- SEWER SYMBOLS**
- ⊕ ALUM
  - ⊕ AIR RELEASE VALVE
  - ⊕ REDUCER
  - ⊕ DOUBLE SERVICE

Attachment I  
Existing Utilities

SCALE: 1" = 200'

CITY OF OLYMPIA  
SANITARY SEWER

DATE: 4/93  
DRAWING NUMBER: 14-18-2  
SHEET 3 OF 8

MAP INDEX

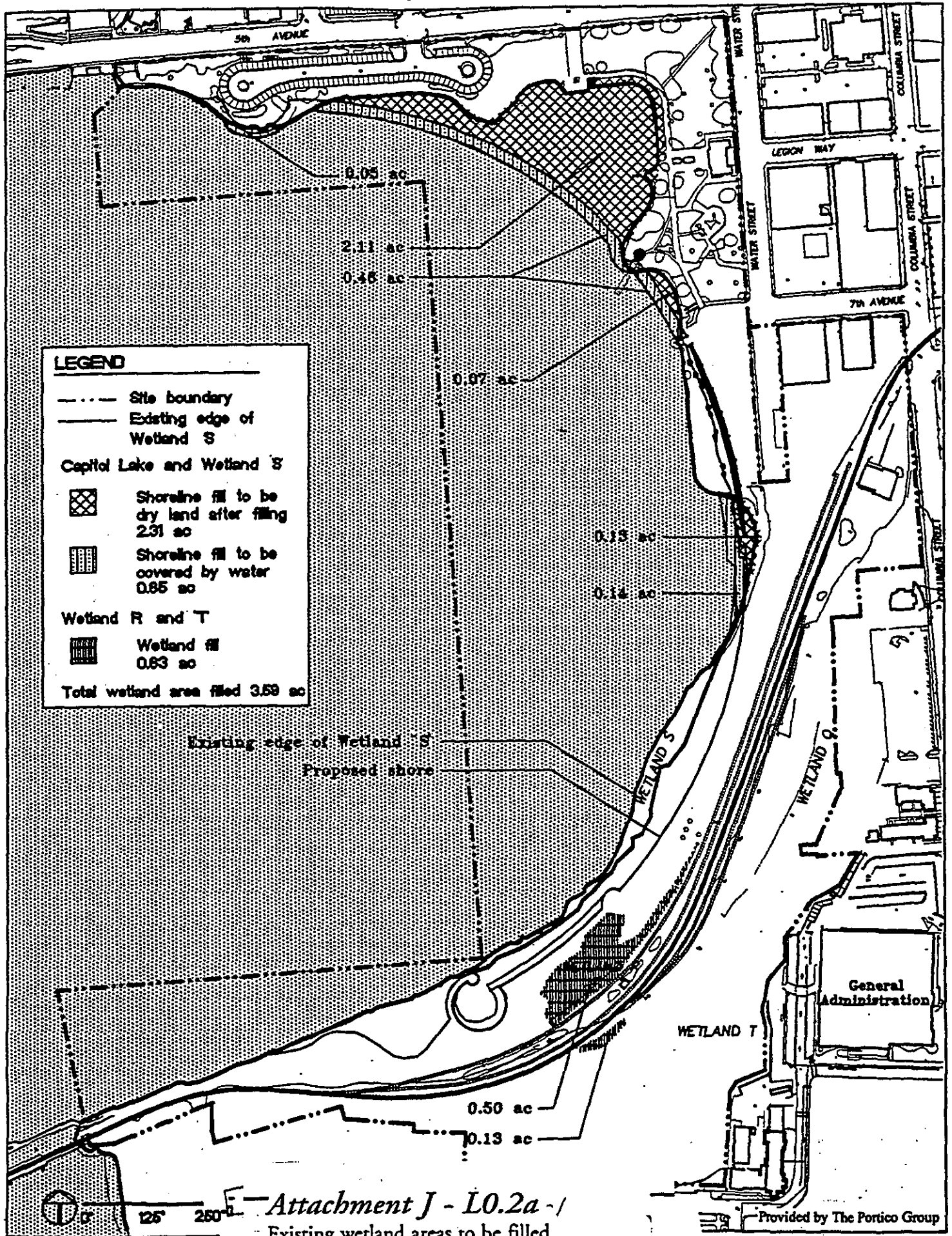
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9	10	11	12	13	14	15	16





*Attachment J*

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Attachment J - L0.2a - 1  
Existing wetland areas to be filled in the entire project

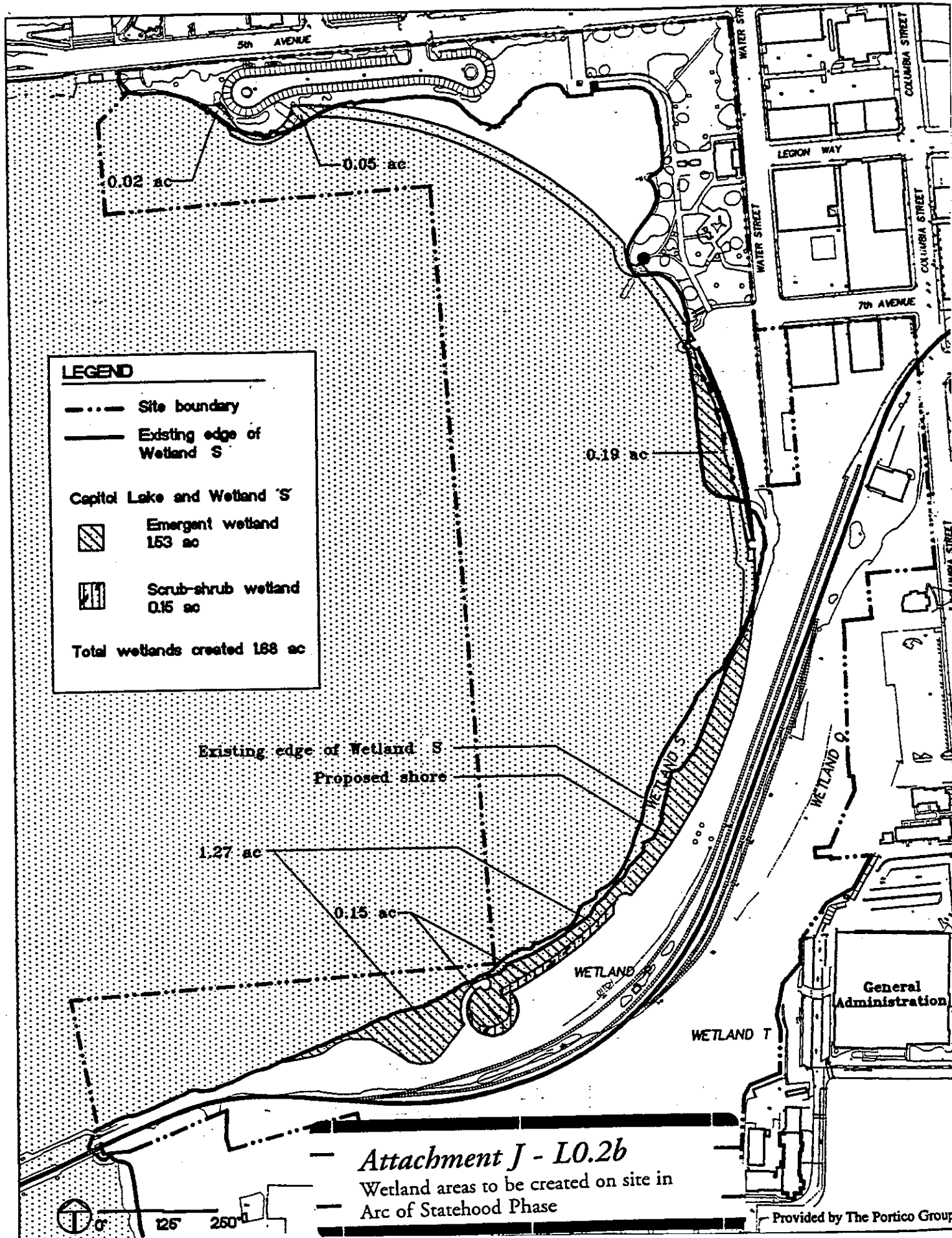
Provided by The Portico Group

**Table 2. Excavation and earthfill quantities estimated for Heritage Park Alternatives 1 and 2. (Revised from Table 2 of the draft EIS.)**

Onsite Location	Fill	Cut
	Quantity	Quantity
<b>Arc of Statehood Phase</b>		
Former swimming beach	51,000	0
Sandbag parking lot	2,000	3,000
South and east shoreline	6,000	4,000
South overlook	0	0
Western Washington circle/inlet	0	3,000
Western Washington wetland	0	2,000
Sighting stones	0	0
Subtotal	59,000	12,000
<i>Fill from onsite excavation (cut)</i>	0	12,000
<i>Imported fill</i>	47,000	0
<b>Olympic Green Phase</b>		
Esplanade	11,000	0
<i>Fill from onsite excavation (cut)</i>	0	0
<i>Imported fill</i>	11,000	0
<b>Olympic Meadow Phase</b>		
Amphitheater	10,000	0
Remainder of park (amphitheater to western Washington circle)	14,000	0
Subtotal	24,000	0
<i>Fill from onsite excavation (cut)</i>	0	0
<i>Imported fill</i>	24,000	0
<b>Capitol Bluff Phase</b>		
Heather slope	7,000	7,000
Overhead rail crossing	66,000	0
Compass plaza	0	0
Subtotal	73,000	7,000
<i>Fill from onsite excavation (cut)</i>	0	7,000
<i>Imported fill</i>	66,000	0
<b>Total All Phases</b>	<b>167,000</b>	<b>19,000</b>
<i>Imported fill</i>	<b>148,000</b>	<b>0</b>
<b>Fill volume (cubic yards)</b>		
Fill volume waterward of existing lakeshore <sup>a</sup> in areas to be covered by water after filling	5,000	
Fill volume waterward of existing lakeshore <sup>a</sup> in areas to be dry land after filling	50,000	
Fill volume in wetlands landward of lakeshore <sup>a</sup>	11,000	
Fill volume in uplands	101,000	
<b>Total fill volume (cubic yards)</b>	<b>167,000</b>	
<b>Fill area (acres)</b>		
Wetland area to be filled waterward of existing lakeshore <sup>a</sup> and covered by water after fill placement	0.65	
Wetland area to be filled waterward of existing lakeshore <sup>a</sup> to be dry land after fill placement	2.31	
Wetland area landward of existing lakeshore <sup>a</sup> to be covered by fill	0.63	
<b>Total wetland area to be filled</b>	<b>3.59</b>	
Upland area to be covered by fill	13.22	
<b>Total fill area (acres)</b>	<b>16.81</b>	

**- Attachment J - L0.2a-2**  
 Existing wetland areas to be filled in in the entire project

<sup>a</sup> The portion of the site waterward of the existing shoreline includes lake area waterward of the ordinary high water line of the lake, as well as the emergent wetland fringe adjoining the ordinary high water line.



# HERRITTAGGE PARK

ARC OF STATEHOOD PHASE  
DESIGN DEVELOPMENT  
OLYMPIA, WA

STATE OF WASHINGTON  
MIKE LOWRY, GOVERNOR

By: DEPARTMENT OF GENERAL ADMINISTRATION

DIVISION OF ENGINEERING AND ARCHITECTURE SERVICES

THE PORTICO GROUP Architects, Landscape Architects, & Interpretive Planners

REID MIDDLETON Waterfront & Structural Engineers

MCGOWAN BROZ ENGINEERS Mechanical & Electrical Engineers

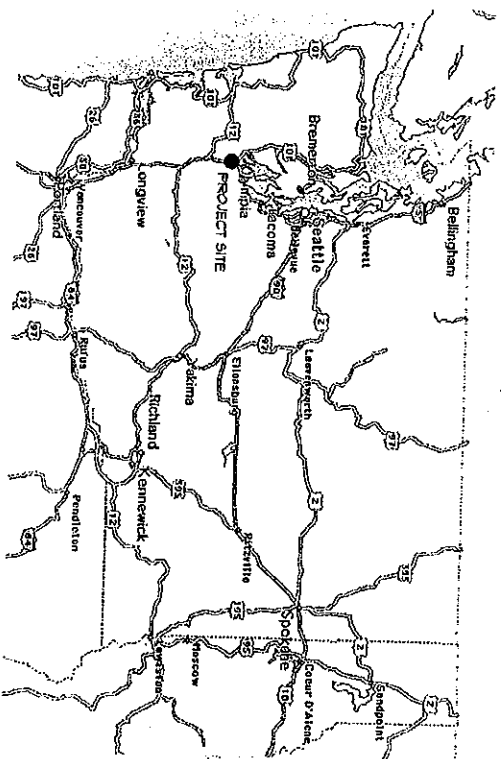
SVR DESIGN COMPANY Civil Engineers

MILBOR-PITA, INC Geotechnical/Hazardous Waste Consultants

HERRERA ENVIRONMENTAL CONSULTANTS Biological/Environmental Sciences Consultants

## INDEX

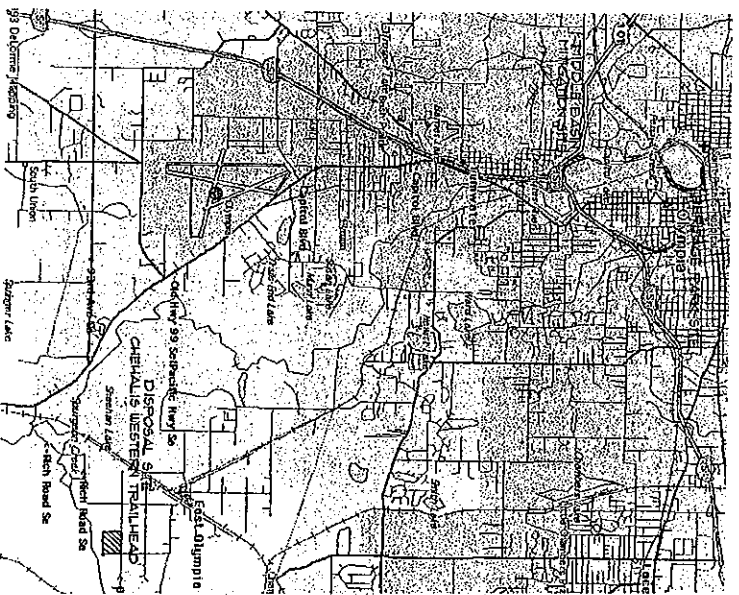
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U.0.1	WIGNITY MAP	U.0.1	MID BASIN MITIGATION SITE, GRADING AND PLANTING PLAN
U.0.2	SHEET KEY, LAYOUT & CONTROL POINTS	U.0.2	MID BASIN MITIGATION SITE, GRADING AND PLANTING PLAN
1.0.1	MID BASIN MITIGATION SITE, SHEET KEY, LAYOUT, & CONTROL POINTS	1.0.1	MONUMENTAL SEATING SECTION
1.1.1	EXISTING CONDITIONS	1.1.1	SITE SECTIONS
1.1.2	EXISTING CONDITIONS	1.1.2	SITE SECTIONS
1.1.3	EXISTING CONDITIONS	1.1.3	SITE SECTIONS
1.1.4	EXISTING CONDITIONS	1.1.4	SITE SECTIONS
1.1.5	EXISTING CONDITIONS	1.1.5	SITE SECTIONS
1.1.6	MID BASIN MITIGATION SITE, EXISTING CONDITIONS	1.1.6	PLANTING DETAILS
1.1.7	MID BASIN MITIGATION SITE, EXISTING CONDITIONS	1.1.7	PARK SITE TEMPORARY EROSION & SEDIMENT CONTROL PLAN
1.2.1	E. WA. BUTTE LAYOUT, GRADING, SITE FURNISHINGS PLAN	1.2.1	MID BASIN SITE DRAINAGE TEST PLAN & DETAILS
1.2.2	NORTH OVERLOOK LAYOUT, GRADING, SITE FURNISHINGS PLAN	1.2.2	PARK SITE CIVIL NOTES & DETAILS
1.2.3	MONUMENTAL SEATING LAYOUT, GRADING, SITE FURNISHINGS PLAN	1.2.3	
1.2.4	S. OVERLOOK/WA INLET LAYOUT, GRADING, SITE FURNISHINGS PLAN	1.2.4	
1.2.5	CAPITOL LAKE TRAIL LAYOUT, GRADING, SITE FURNISHINGS PLAN	1.2.5	



STATE LOCATION MAP



SCALE: NTS



OLYMPIA LOCATION MAP



SCALE: NTS

**PARK SITE INFORMATION:**  
 LONGITUDE : 123 04' 12" W  
 LATITUDE : 47 02' 29" N

**PARK SITE DIRECTIONS:**  
 FROM STATE 3 AND PROCEED NORTH ON 5TH STREET TO LEVON AS LEVON DEAD-END INTO WATER THE PARK SITE IS DIRECTLY AHEAD BY 5TH AVENUE ON THE EAST BY WATER STREET (SOUTH 1/2 MILE) THEN BY 7TH AVENUE TO COLUMBIA THEN PROCEEDS SOUTH ALONG THE CAPITAL LAKE TO THE RAILROAD TRUSTLE

**MITIGATION SITE INFORMATION:**  
 LONGITUDE : 123 04' 30" W  
 LATITUDE : 47 01' 22" N

**MITIGATION SITE DIRECTIONS:**  
 FOLLOW DIRECTIONS TO PARK SITE TO 5TH AVENUE AND WATER, CONTINUE WEST ON 5TH AVENUE TURN SOUTH ON DISCHUTES PARKWAY ALONG THE S-SHORE OF THE CAPITAL LAKE MIDDLE BASIN PRIOR TO THE UNDERPASS OF I-5 IS EXISTING GATED GRAVEL ACCESS DRIVE

**Attachment J**

**Arc of Statehood Design Development**



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 LANDSCAPE ARCHITECTS  
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 GEOTECHNICAL/HAZARDOUS WASTE

**REED MIDDLETON**  
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**SVR DESIGN COMPANY**  
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**MCGOWEN BROZ ENGINEERS**  
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NUMBER	COMMENTS	DATE

REVISIONS  
 AUTOCAD  
 FILE NAME: 0-WA.DWG

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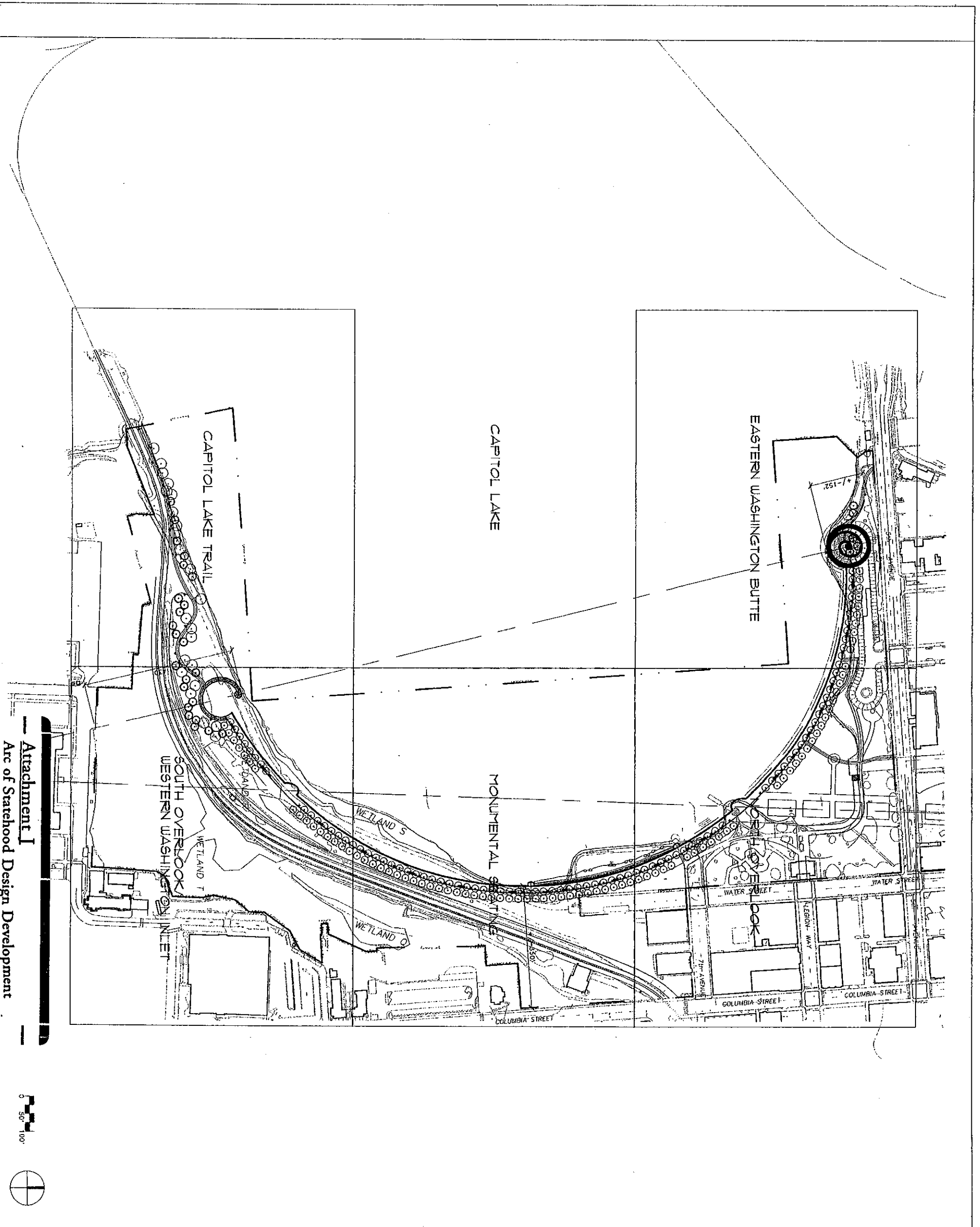
*Washington State*  
*Department of*  
*General*  
*Administration*  
*Div. of Engineering*  
*& Architectural Services*

**PROJECT TITLE**  
 Heritage Park  
 Arc of Statehood Phase  
 Design Development

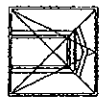
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 Park & Mitigation Site  
 VICINITY MAP &  
 DISPOSAL SITE

**SCALE**  
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**CHECKED BY:** JH  
**DATE:** 1.6.95  
**SHEET NUMBER:**  
**L 0.0**



Attachment J  
Arc of Starchood Design Development



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NUMBER	COMMENTS	DATE

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Div. of Engineering  
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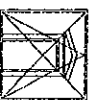
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Arc of Starchood Phase  
Design Development**

SHEET TITLE  
**SHEET KEY,  
LAYOUT,  
& CONTROL POINTS**

SCALE

DRAWN BY: JM  
CHECKED BY: MM  
DATE: 11.14.98  
SHEET NUMBER

**L 0.1**



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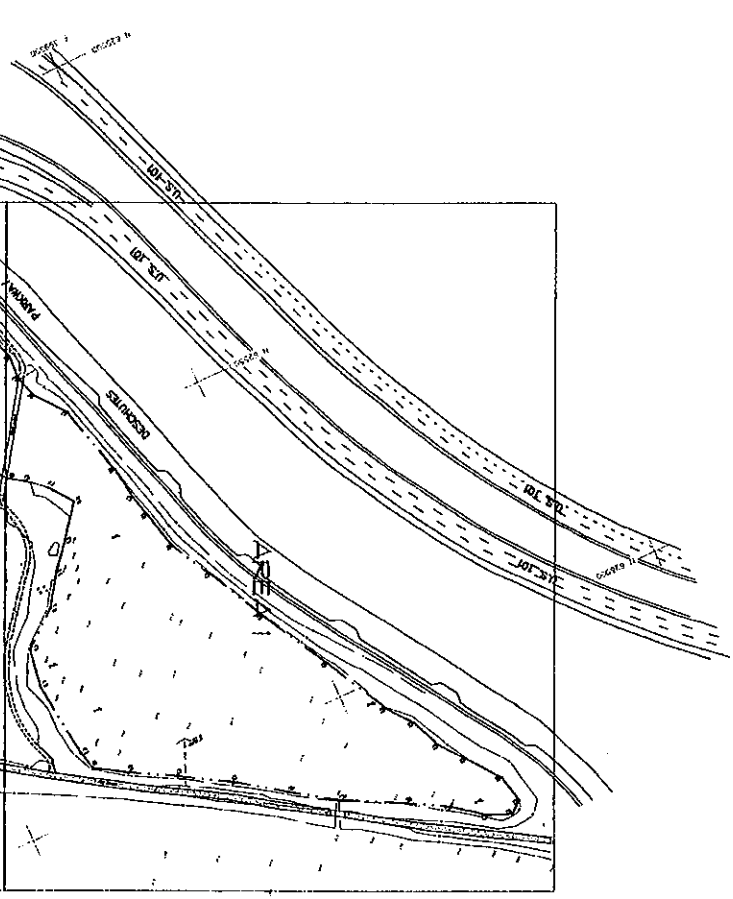
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CAPITOL LAKE

NUMBER	COMMENTS	DATE

AUTOCAD  
 FILE NAME: 1-02.DWG

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PROJECT TITLE  
 Heritage Park  
 Arc of Statehood Phase  
 Design Development

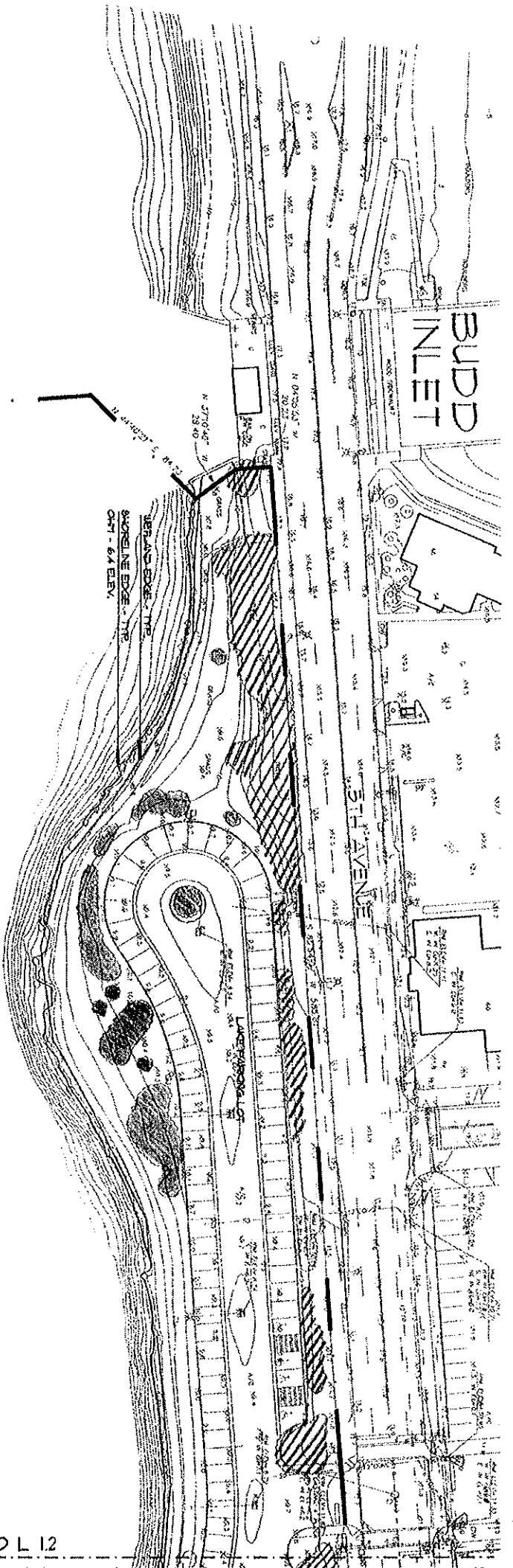
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 Sheet Key, Layout,  
 & Control Points

SCALE

**Attachment J**  
 Arc of Statehood Design Development  
 Mid-Basin mitigation site

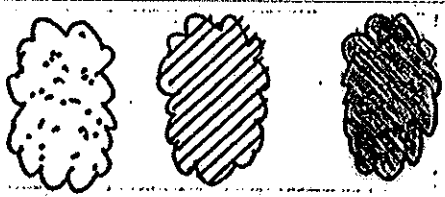
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CAPITOL LAKE  
NORTH BASIN

LEGEND

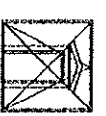


Trees and shrubs to be removed in the Arc of Statehood Phase

Trees to be removed in subsequent phase of Park Development

Trees to Remain

MATCHLINE TO L 12



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NUMBER	COMMENTS	DATE

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FILE NAME: L-11.DWG

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PROJECT TITLE  
Heritage Park  
Arc of Statehood Phase  
Design Development

SHEET TITLE  
Ec. Washington Butte  
Existing Conditions

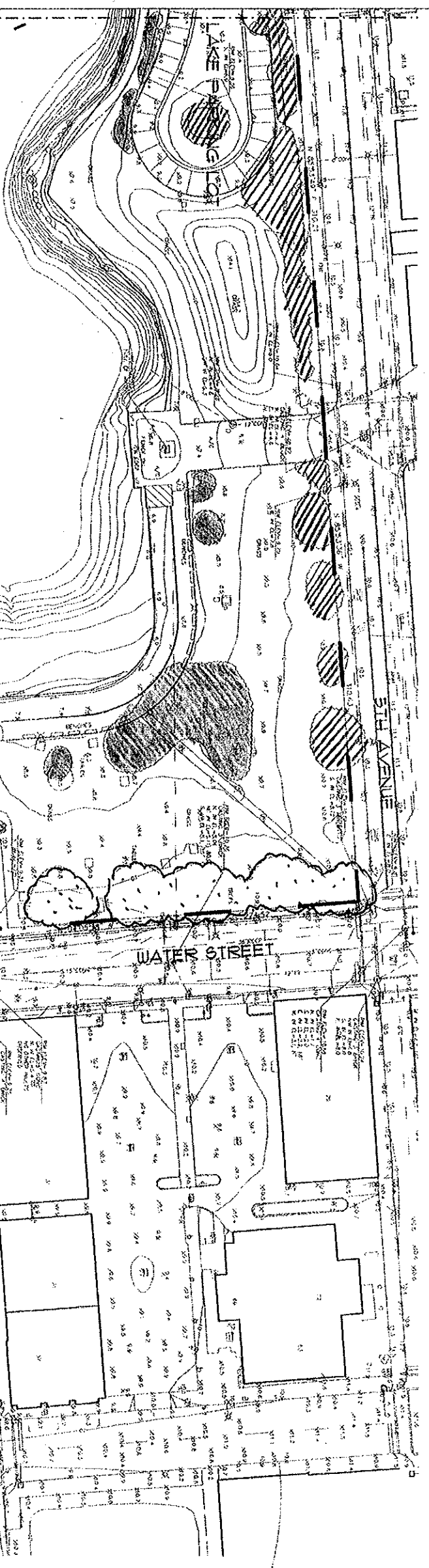
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DRAWN BY: *MM*

CHECKED BY: *MM*

DATE: 1.6.96  
SHEET NUMBER: **L 1.1**

Attachment I  
Arc of Statehood Design Development



# CAPITOL LAKE NORTH BASIN

MATCHLINE TO L11

## LEGEND



Trees and shrubs to be removed in the Arc of Statehood Phase



Trees to be removed in subsequent phase of Park Development



Trees to Remain

MATCHLINE TO L13

Attachment J  
Arc of Statehood Design Development



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& Architectural Services

PROJECT TITLE  
**Heritage Park  
Arc of Statehood Phase  
Design Development**

SHEET TITLE  
**NORTH OVERLOOK  
Existing Conditions**

SCALE	
DRAWN BY	JW
CHECKED BY	MM
DATE	1.6.96
SHEET NUMBER	L 1.2

MATCHLINE TO L12

# CAPITOL LAKE NORTH BASIN

WETLAND & VEGETATION  
 RED CEDAR SWAMP  
 BIRCH SWAMP  
 FIELD HORSETAIL  
 SOUTHERN PINE  
 BUTTERNUT NURSERY  
 COTTONWOOD  
 PINE SWAMP  
 PINE SWAMP  
 HIMALAYAN BLACKBERRY

WETLAND & VEGETATION  
 NO IMPACTS TO WETLAND &

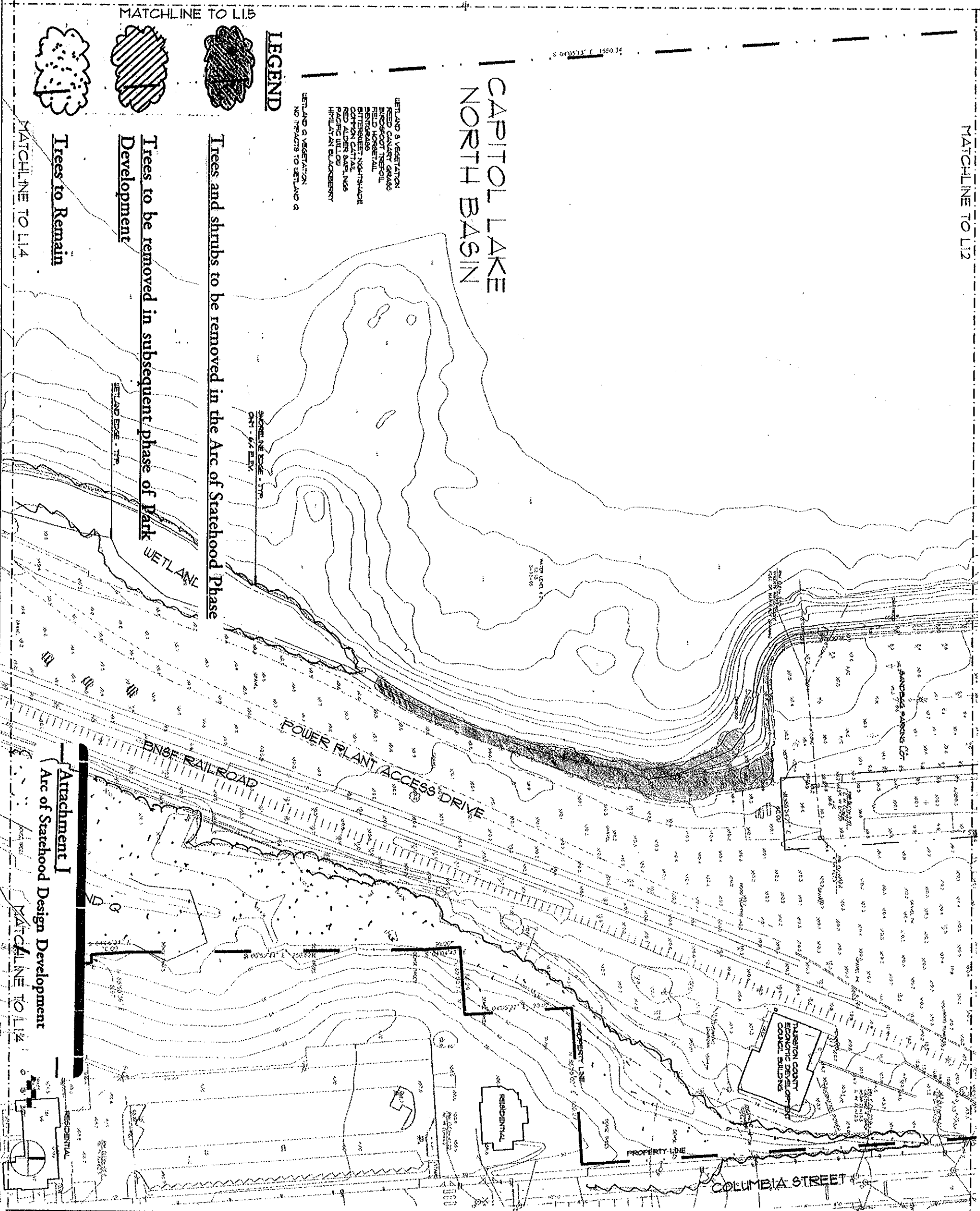
## LEGEND



**Trees and shrubs to be removed in the Arc of Statehood Phase**

**Trees to be removed in subsequent phase of Park Development**

**Trees to Remain**



**Attachment I**  
**Arc of Statehood Design Development**



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 CIVIL ENGINEERS

**McCORMEN BROZ ENGINEERS**  
 MECHANICAL & ELECTRICAL ENGINEERS

NUMBER	COMMENTS	DATE
REVISIONS		
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 Administration  
 Div. of Engineering  
 & Architectural Services

PROJECT TITLE  
 Heritage Park  
 Arc of Statehood Phase  
 Design Development

SHEET TITLE  
 MONUMENTAL SEATING  
 Existing Conditions

SCALE  
 DRAWN BY: JM  
 CHECKED BY: WM  
 DATE: 1.6.96  
 SHEET NUMBER  
**L 1.3**

# CAPITOL LAKE NORTH BASIN

MATCHLINE TO L13

MATCHLINE TO L15

PROPERTY LINE

SHORELINE EDGE - TYP  
CH1 - 64' ELEV.

WETLAND EDGE - TYP

WETLAND S

WETLAND R

WETLAND Q

## LEGEND

Trees and shrubs to be removed in the Arc of Statehood Phase

Trees to be removed in subsequent phase of Park Development

Trees to Remain

Attachment I  
Arc of Statehood Design Development



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GEOGRAPHICAL/ANALYTICAL ASIST  
**REID MIDDLETON**  
WATERFRONT & STRUCTURAL DESIGNERS  
**SR DESIGN COMPANY**  
CIVIL ENGINEERS  
**MCGOWEN BROZ ENGINEERS**  
MECHANICAL & ELECTRICAL ENGINEERS

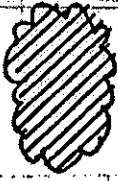
NUMBER	COMMENTS	DATE
REVISIONS		
AUTOCAD		
FILE NAME:	I-14.dwg	

PROJECT TITLE	Washington State Department of General Administration Div. of Engineering & Architectural Services
SHEET TITLE	Heritage Park Arc of Statehood Phase Design Development
SCALE	S.OVERLOOK/W.WA. INLET Existing Conditions
DRAWN BY:	JM
CHECKED BY:	JM
DATE	1.6.98
SHEET NUMBER	I 1.4

**LEGEND**



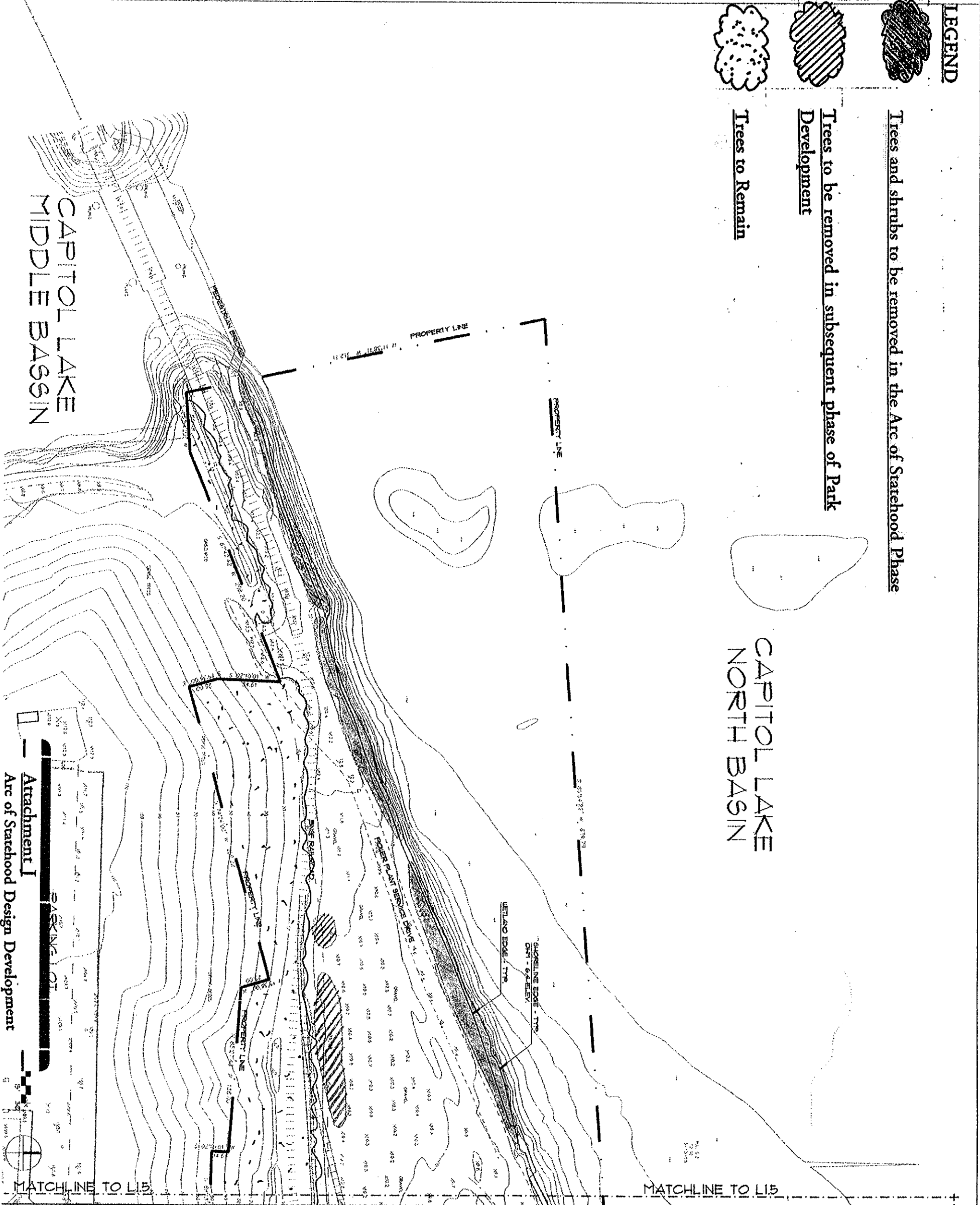
Trees and shrubs to be removed in the Arc of Statehood Phase



Trees to be removed in subsequent phase of Park Development



Trees to Remain



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GEOTECHNICAL/FOUNDATIONS WASTE

**BRID MIDDLETON**  
WATERBURY & STRUCTURAL ENGINEERS

**SPR DESIGN COMPANY**  
CIVIL ENGINEERS

**McGOWEN BROZ ENGINEERS**  
MECHANICAL & ELECTRICAL ENGINEERS

NUMBER	COMMENTS	DATE

AUTOCAD FILE NAME: 1-15.dwg

CONSULTANT

*Washington State Department of General Administration*  
Div. of Engineering & Architectural Services

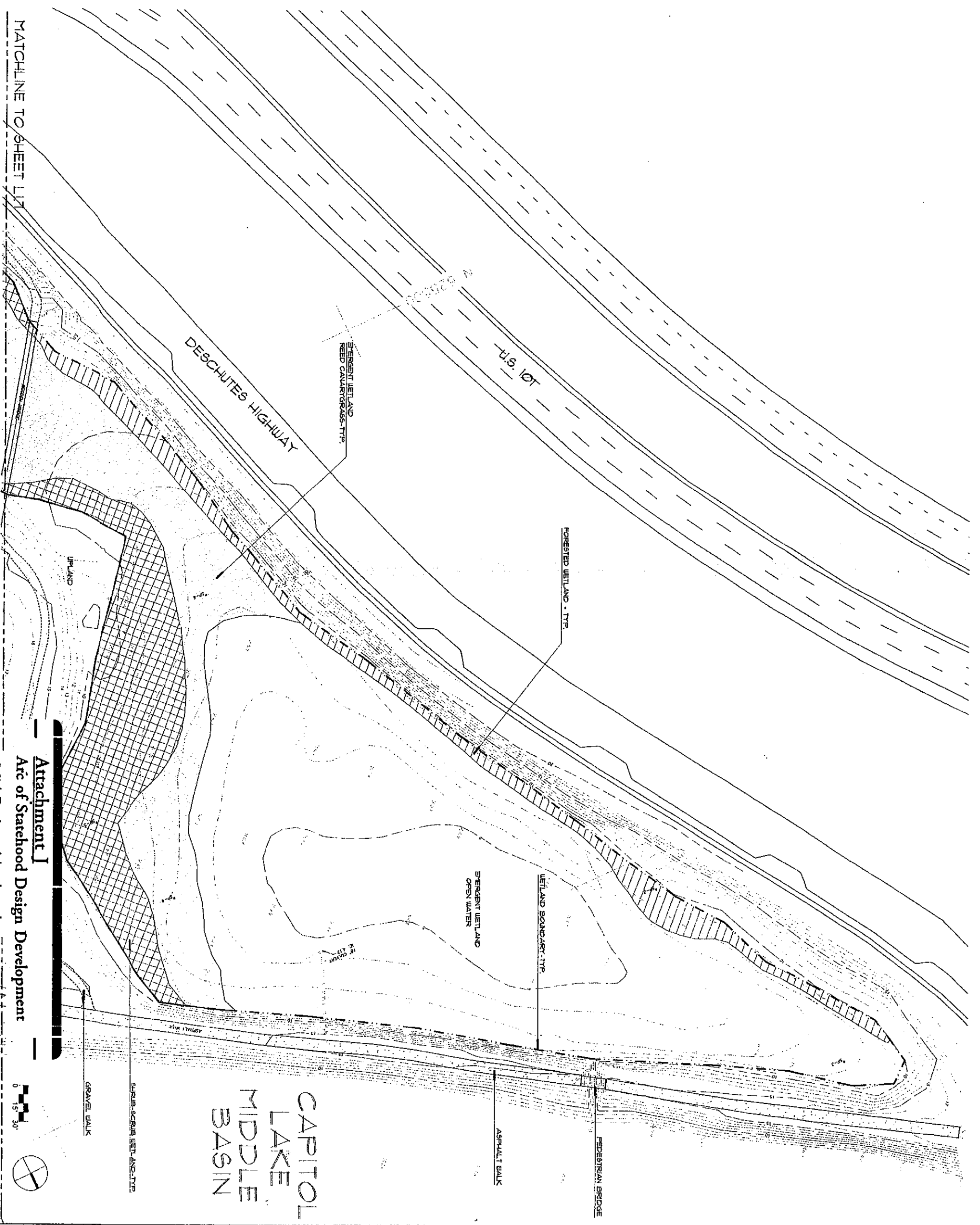
**PROJECT TITLE**  
Heritage Park  
Arc of Statehood Phase  
Design Development

**SHEET TITLE**  
CAPITOL LAKE TRAIL  
Existing Conditions

**SCALE**

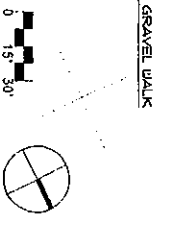
DATE: 16.96

SHEET NUMBER: **L 1.5**



MATCHLINE TO SHEET L11

Attachment J  
Arc of Statehood Design Development  
Mid-Basin mitigation site



CAPITOL  
LAKE  
MIDDLE  
BASIN

CONSULTANT	
Washington State Department of General Administration Div. of Engineering & Architectural Services	
PROJECT TITLE Heritage Park Arc of Statehood Phase Design Development	
SHEET TITLE Mid Basin Mitigation Site Existing Conditions	
SCALE 1" = 30'	
DRAWN BY JM	CHECKED BY JM
DATE 1.8.97	SHEET NUMBER L 1.6

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**MILBOR-PTA INC.**  
GEOTECHNICAL/HAZARDOUS WASTE

**REID MIDDLETON**  
WATERFRONT & STRUCTURAL ENGINEERS

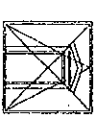
**SR DESIGN COMPANY**  
CIVIL ENGINEERS

**McGOWEN BROZ ENGINEERS**  
MECHANICAL & ELECTRICAL ENGINEERS



MATCHLINE TO SHEET L16

**CAPITOL  
LAKE  
MIDDLE  
BASIN**



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BIOLOGICAL/ENVIRONMENTAL SCIENCES

**MILBOR-PITTA INC.**  
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**REID MIDDLETON**  
WATERPOWER & STRUCTURAL ENGINEERS

**SVR DESIGN COMPANY**  
CIVIL ENGINEERS

**McGOWEN BROZ ENGINEERS**  
MECHANICAL & ELECTRICAL ENGINEERS

NUMBER	COMMENTS	DATE

REVISIONS  
AUTOCAD  
FILE NAME: L-17.DWG

CONSULTANT

Washington State  
Department of  
General  
Administration  
Dir. of Engineering  
& Architectural Services

PROJECT TITLE  
Heritage Park  
Arc of Statehood Phase  
Design Development

SHEET TITLE  
Mid Basin Mitigation Site

Existing Conditions

SCALE 1" = 50'

DRAWN BY: JM  
CHECKED BY: WH  
DATE: 1.6.97  
SHEET NUMBER: L17

**Attachment J**  
Arc of Statehood Design Development

Mid-Basin mitigation site



*Attachment K-1*







MATCHLINE TO L2.1

MATCHLINE TO L23

# North Overlook

Attachment K-1  
Arc of Starhood Design Development  
Sheets L2.1 to L2.7

PROJECT TITLE	Heritage Park Arc of Starhood Phase Design Development		
CLIENT	Washington State Department of General Administration Div. of Engineering & Architectural Services		
DESIGNER	HERRERA ENVIRONMENTAL CONSULTANTS BIOLOGICAL/ENVIRONMENTAL SCIENCES		
ARCHITECT	MILBOR-PITA INC. LANDSCAPE ARCHITECTS & INTERPRETIVE PLANNERS		
ENGINEER	REID MIDDLETON WATERPROOF & STRUCTURAL ENGINEERS		
MECHANICAL & ELECTRICAL ENGINEERS	MCGOWEN BROZ ENGINEERS		
CONSULTANT	SVR DESIGN COMPANY CIVIL ENGINEERS		
DATE	11/14/85	DATE	11/14/85
SCALE	1" = 30'	SHEET NUMBER	L 2.2







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BIOLOGICAL/ENVIRONMENTAL SCIENCES

**MILBOR-PTA INC.**  
GEOTECHNICAL/HAZARDOUS WASTE

**REID MIDDLETON**  
WATERFRONT & STRUCTURAL ENGINEERS

**SIR DESIGN COMPANY**  
CIVIL ENGINEERS

**MCGOWEN BROZ ENGINEERS**  
MECHANICAL & ELECTRICAL ENGINEERS

NUMBER	COMMENTS	DATE

REVISIONS  
AUTOCAD  
FILE NAME: 1-25.dwg

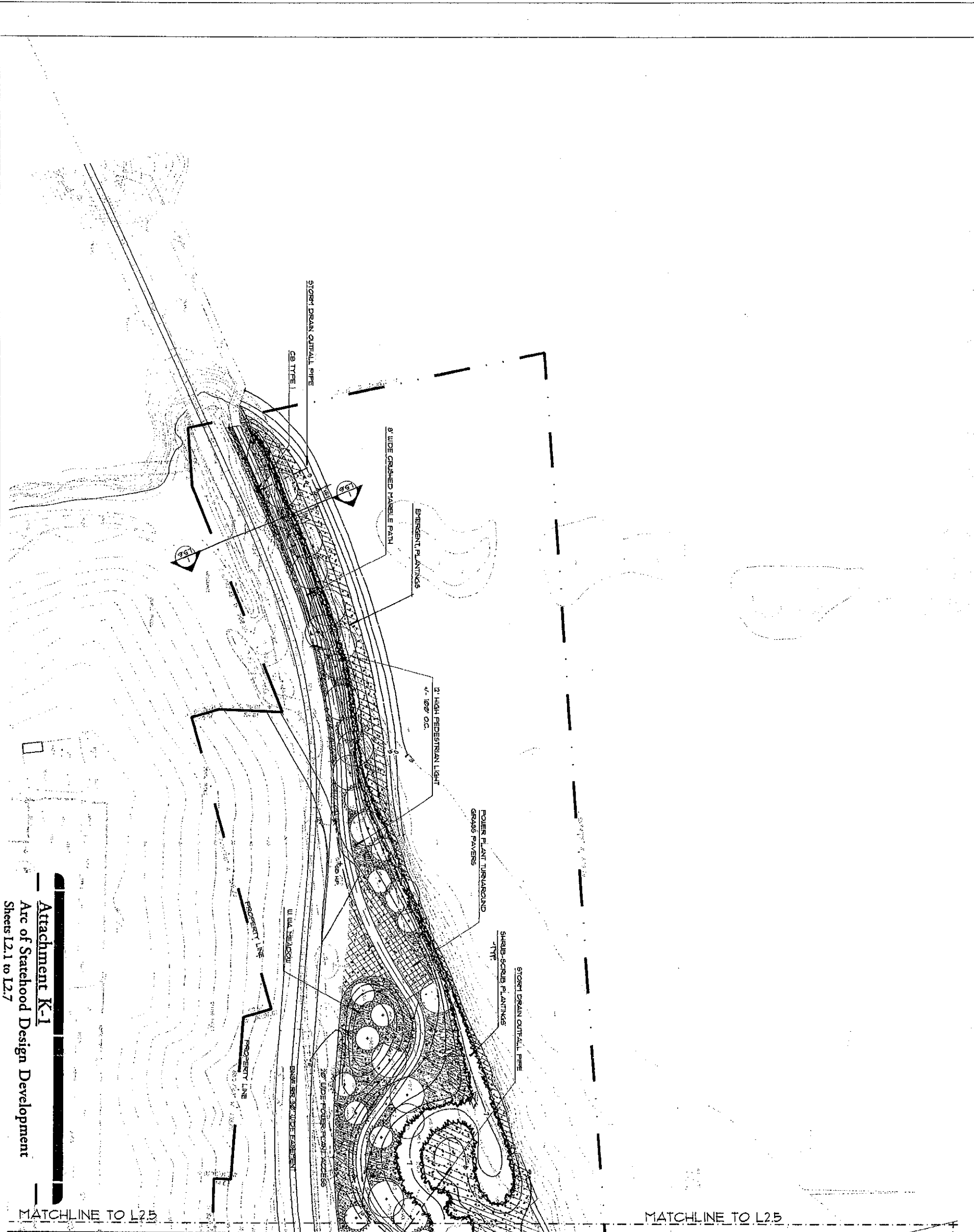
CONSULTANT

*Washington State  
Department of  
General  
Administration*  
Div. of Engineering  
& Architectural Services  
PROJECT TITLE  
Heritage Park  
Arc of Stairhood Phase  
Design Development

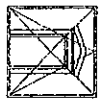
SHEET TITLE  
CAPITOL LAKE TRAIL  
LAYOUT, GRADING,  
SITE FURNISHINGS

SCALE  
1" = 30'

DRAWN BY: JW/JW  
CHECKED BY: JW  
DATE: 11.14.98  
SHEET NUMBER  
**L 2.5**



MATCHLINE TO L2.5  
Attachment K-1  
Arc of Stairhood Design Development  
Sheets L2.1 to L2.7



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**HERRERA**  
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BIOLOGICAL/ENVIRONMENTAL SCIENCES

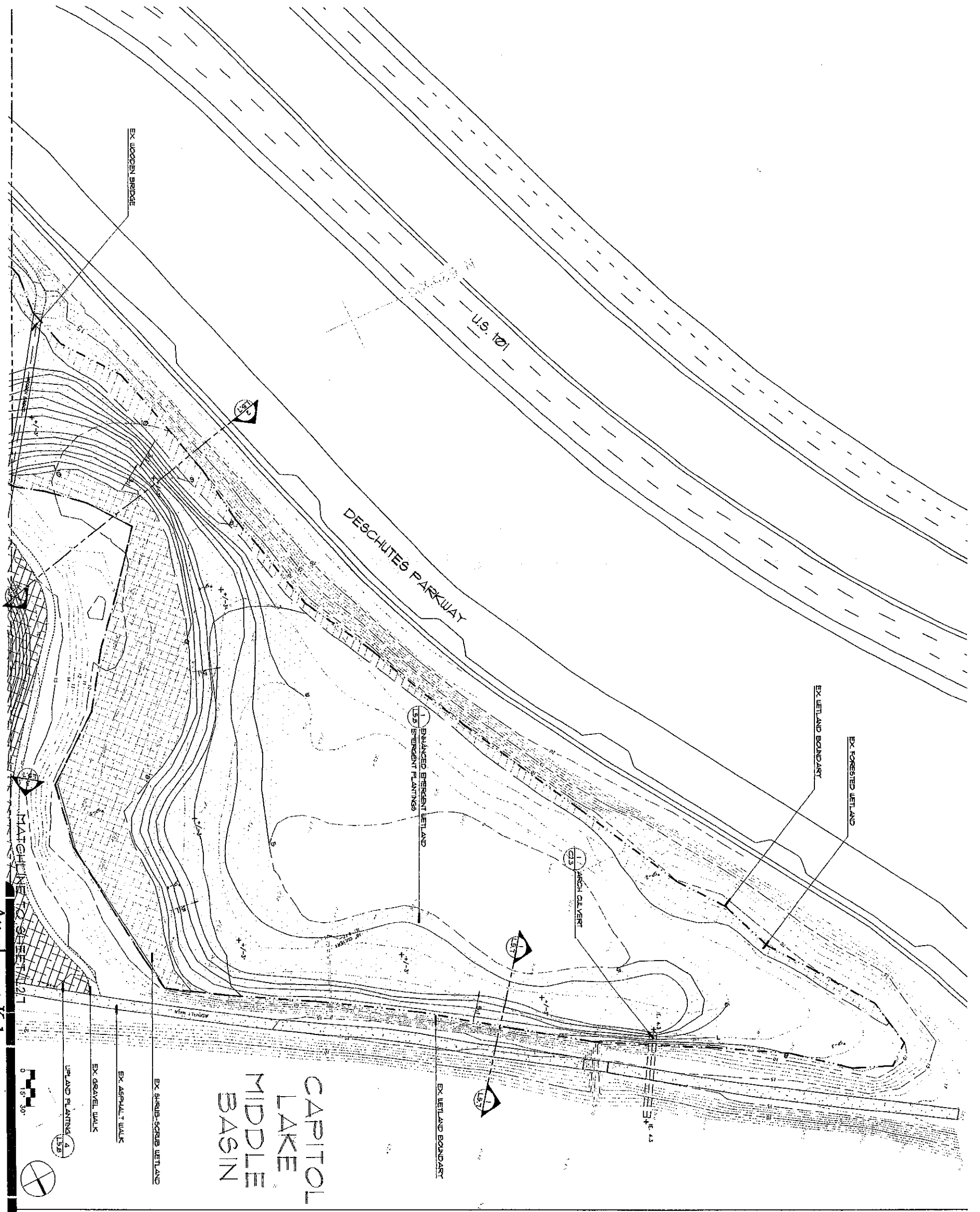
**MILBOR-PITTA INC.**  
GEOTECHNICAL/HAZARDOUS WASTE  
**REID MIDDLETON**  
WATERPROOF & STRUCTURAL ENGINEERS

**SJR DESIGN COMPANY**  
CIVIL ENGINEERS

**McGOWEN BROZ ENGINEERS**  
MECHANICAL & ELECTRICAL ENGINEERS

NUMBER	COMMENTS	DATE
REVISIONS		
AUTOCAD		
FILE NAME:	1-26.DWG	

CONSULTANT	
PROJECT TITLE	Washington State Department of General Administration Div. of Engineering & Architectural Services
SHEET TITLE	Heritage Park Arc of Stishood Phase Design Development
SHEET NUMBER	1 2.6



Attachment K-1  
Arc of Stishood Design Development  
Class: 1.3 1.3 1.3 7

MATCHLINE TO SHEET 12.6

deschutes parkway

EXISTING WETLAND  
 EX-SUBSCRIB WETLAND  
 1.1 EXISTING WETLAND PLANTING  
 1.2 BANDED EXISTING WETLAND



**CAPITOL  
 LAKE  
 MIDDLE  
 BASIN**

- UPLAND PLANTING 4 (1.5)
- FORESTED WETLAND PLANTING 9  
 CREATED FORESTED WETLAND (1.5)
- EXISTING WETLAND PLANTING 1  
 CREATED EXISTING WETLAND (1.5)

ARCH CULVERT (1.2)



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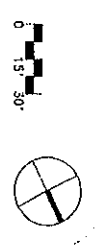
**REID MIDDLETON**  
 WATERFRONT & STRUCTURAL ENGINEERS

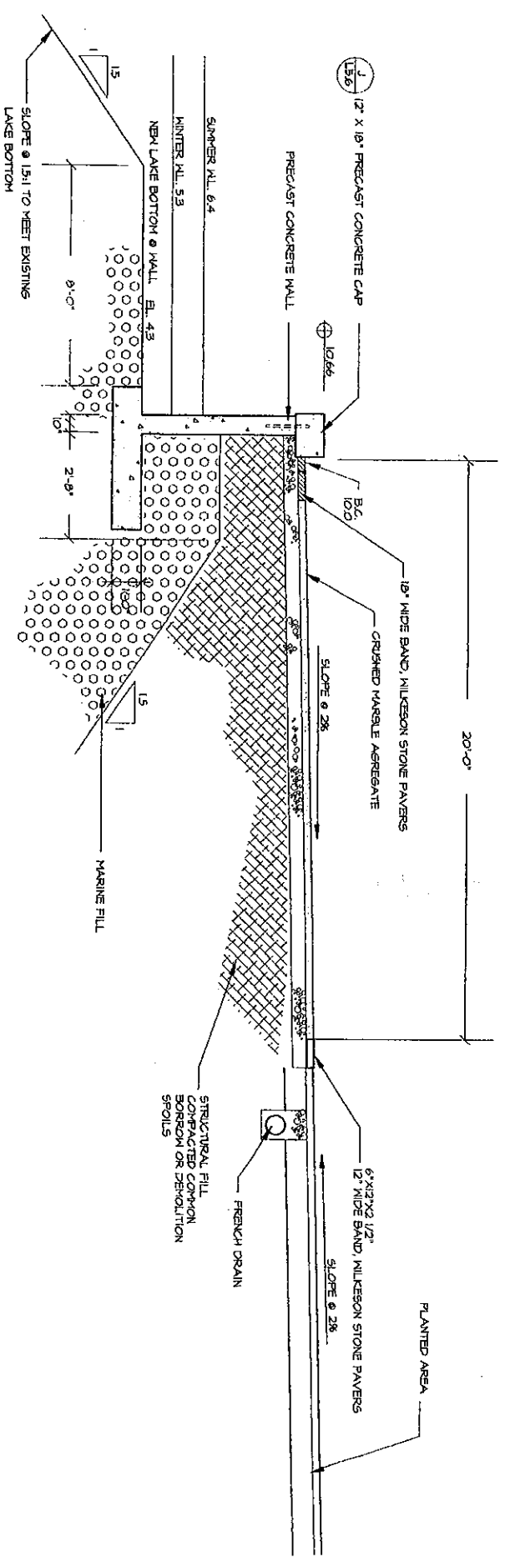
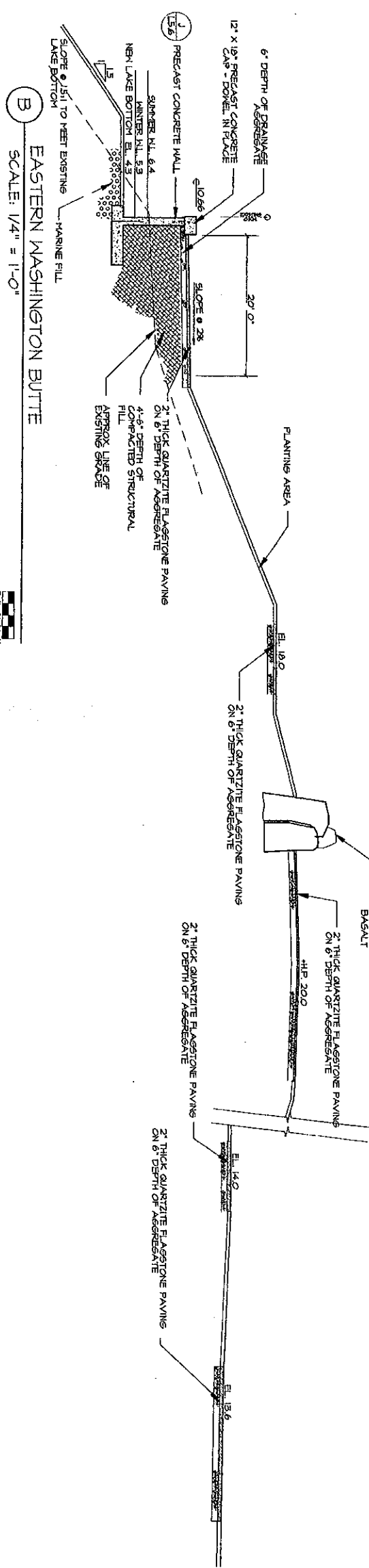
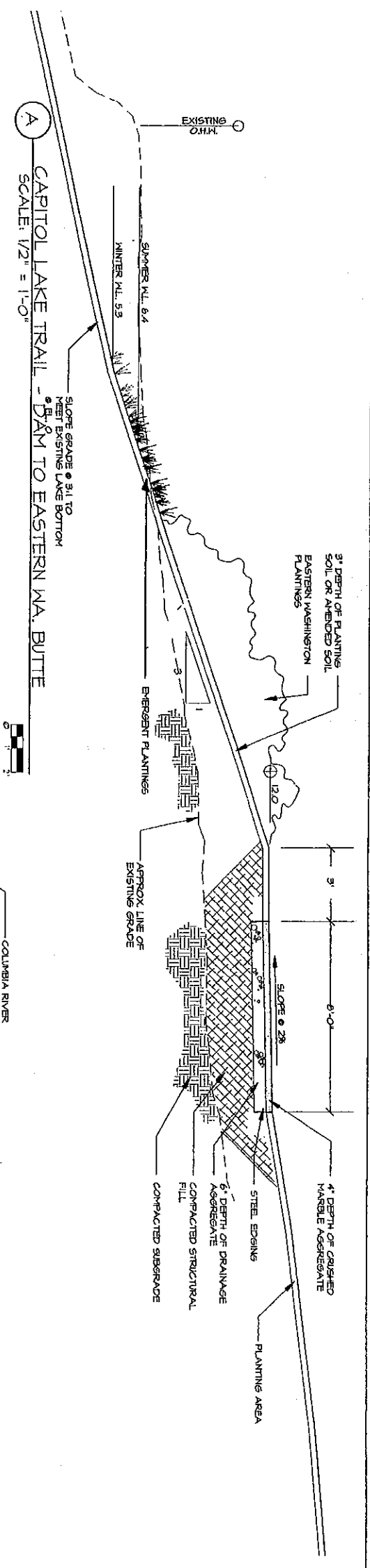
**SVR DESIGN COMPANY**  
 CIVIL ENGINEERS

**McGOWEN BROZ ENGINEERS**  
 MECHANICAL & ELECTRICAL ENGINEERS

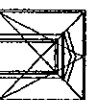
NUMBER	COMMENTS	DATE
REVISIONS		
ALTOCAD FILE NAME: 1-27.DWG		
CONSULTANT		
<p><i>Washington State                  Department of                  General                  Administration</i>                  Div. of Engineering                  &amp; Architectural Services</p>		
<p><b>PROJECT TITLE</b>                  Heritage Park                  Arc of Statehood Phase                  Design Development</p>		
<p><b>SHEET TITLE</b>                  Mid Basin Mitigation Site                  Grading &amp;                  Planting Plan</p>		
SCALE		
DRAWN BY: JW		
CHECKED BY: MH		
DATE: 1.6.97		
SHEET NUMBER		
<b>L 27</b>		

**Attachment K-1**  
 Arc of Statehood Design Development  
 Sheets 12.1 to 12.7





C ARC OF STATEHOOD FROM EASTERN WA. BUTTE TO MONUMENTAL SEATING  
SCALE: 1/2" = 1'-0"



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WATERFRONT & STRUCTURAL ENGINEERS

**SJR DESIGN COMPANY**  
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MECHANICAL & ELECTRICAL ENGINEERS

NUMBER	COMMENTS	DATE

REVISIONS

AUTOCAD FILE NAME: L-54.DWG

CONSULTANT

Washington State  
Department of  
General  
Administration  
Div. of Engineering  
& Architectural Services

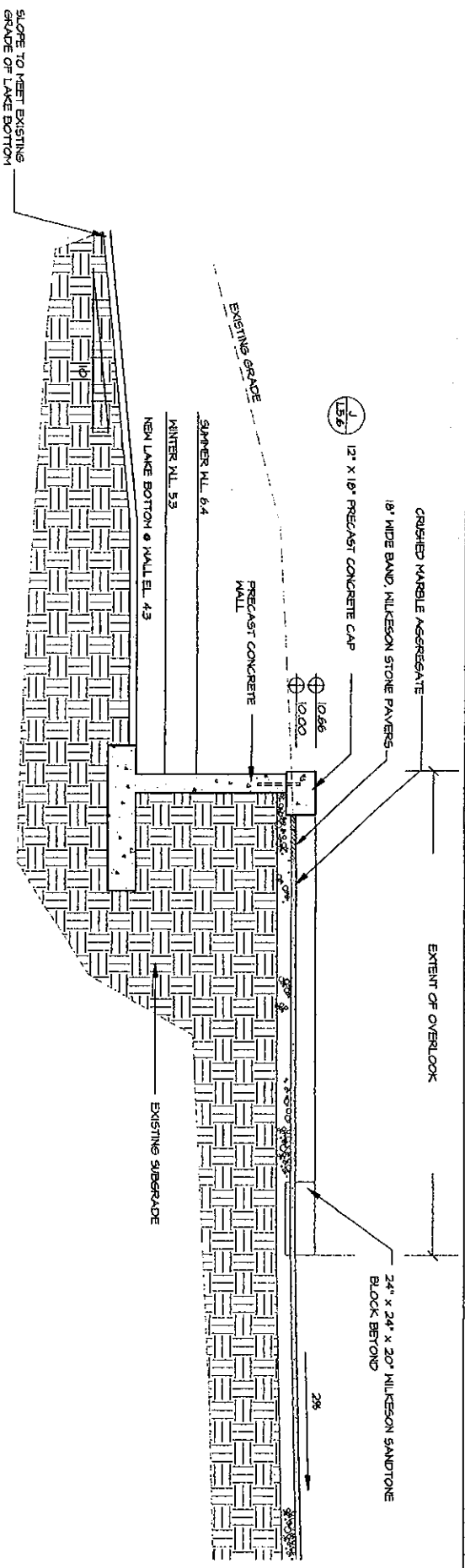
PROJECT TITLE  
Heritage Park  
Arc of Statehood Phase  
Design Development

SHEET TITLE  
SITE SECTIONS

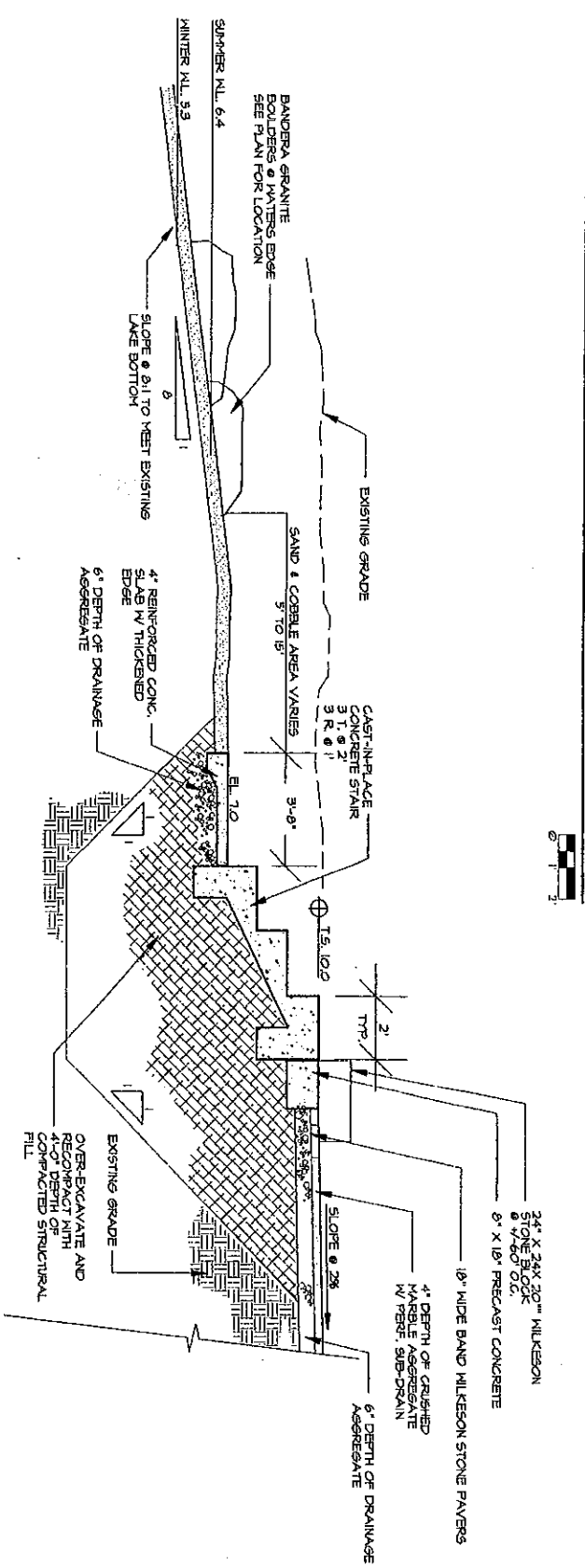
SCALE  
VARIES

DRAWN BY: MB/7M  
CHECKED BY: MH  
DATE: 1.6.96  
SHEET NUMBER  
L 5.4

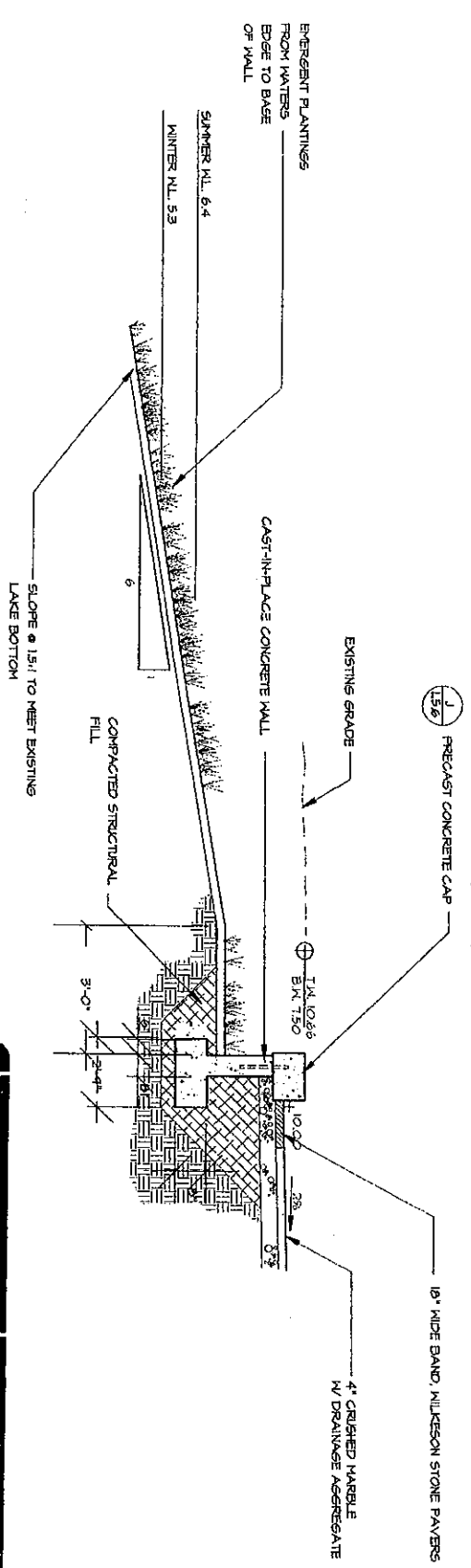




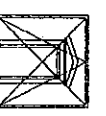
D NORTH OVERLOOK  
SCALE: 1/2" = 1'-0"



E MONUMENTAL SEATING  
SCALE: 1/2" = 1'-0"



F ARC OF STATEHOOD: MONUMENTAL SEATING TO WESTERN WASHINGTON INLET (EMERGENT SHORELINE)  
SCALE: 1/2" = 1'-0"



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MECHANICAL & ELECTRICAL ENGINEERS

NUMBER	COMMENTS	DATE

AUTOCAD FILE NAME: L-55.DWG

CONSULTANT

*Washington State*  
*Department of*  
*General*  
*Administration*  
Div. of Engineering  
& Architectural Services

PROJECT TITLE  
**Heritage Park**  
Arc of Statehood Phase  
Design Development

SHEET TITLE  
**SITE SECTIONS**

SCALE  
VARIES

DRAWN BY: JBL/WH  
CHECKED BY: MH  
DATE: 1.6.98  
SHEET NUMBER: **L 5.5**





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**MILBOR-PTA INC.**  
GEOCHEMICAL/HAZARDOUS WASTE

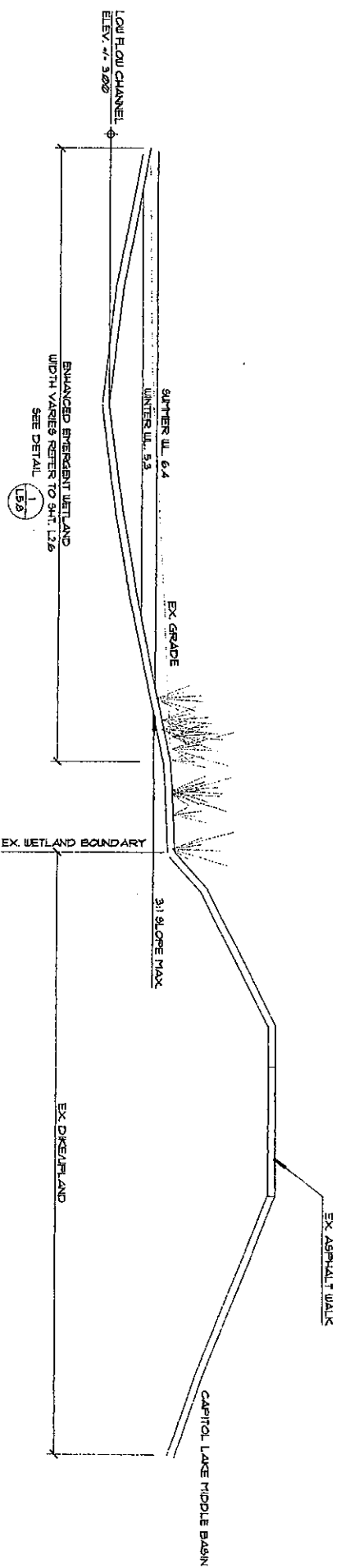
**REID MIDDLETON**  
WATERFRONT & STRUCTURAL ENGINEERS

**SFR DESIGN COMPANY**  
CIVIL ENGINEERS

**McGOWEN BROZ ENGINEERS**  
MECHANICAL & ELECTRICAL ENGINEERS

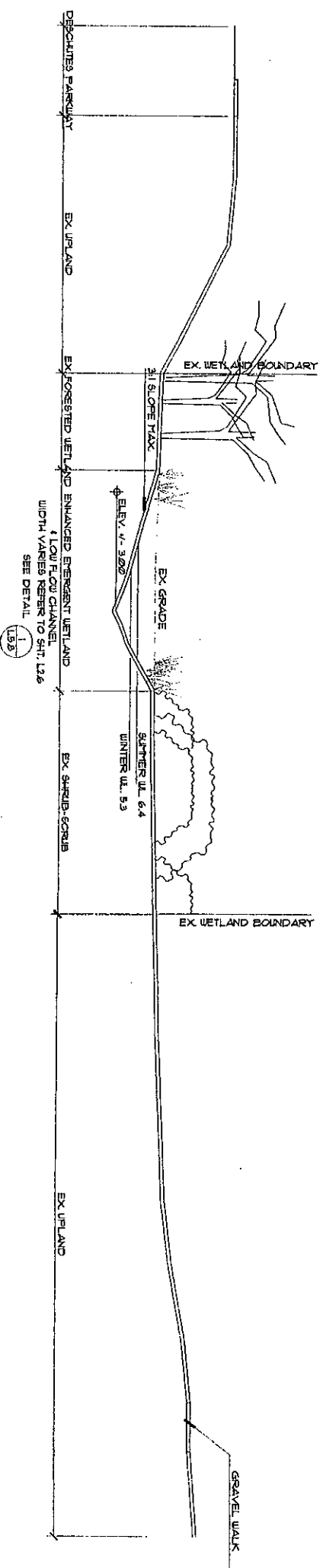
**K OPEN WATER ENHANCEMENT SECTION**

SCALE: 1/4"=1'-0"



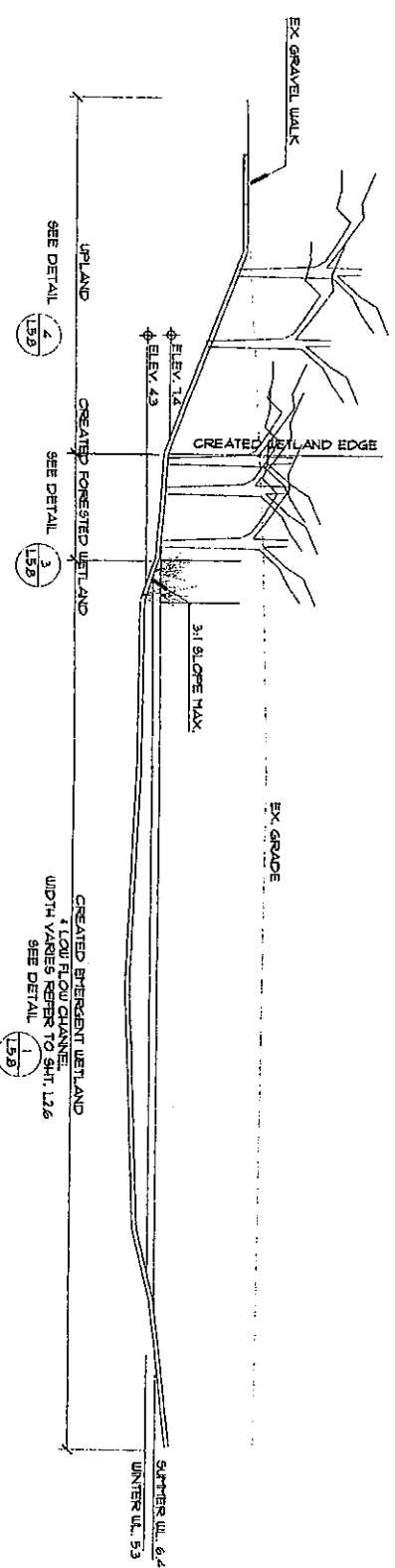
**2 EMERGENT ENHANCEMENT SECTION**

SCALE: 1/8"=1'-0"



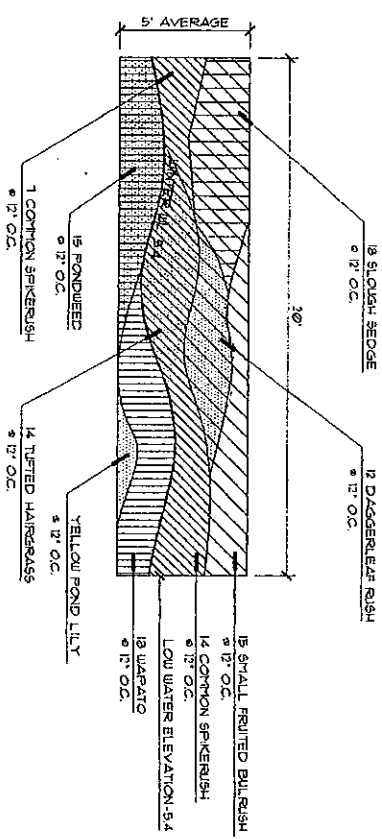
**3 CREATED FORESTED AND EMERGENT WETLAND SECTION**

SCALE: 1/8"=1'-0"

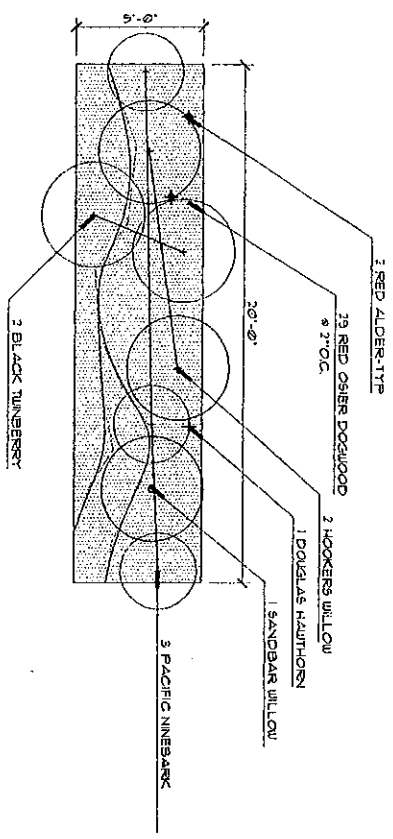


**Attachment K-1**  
Arc of Statehood Design Development

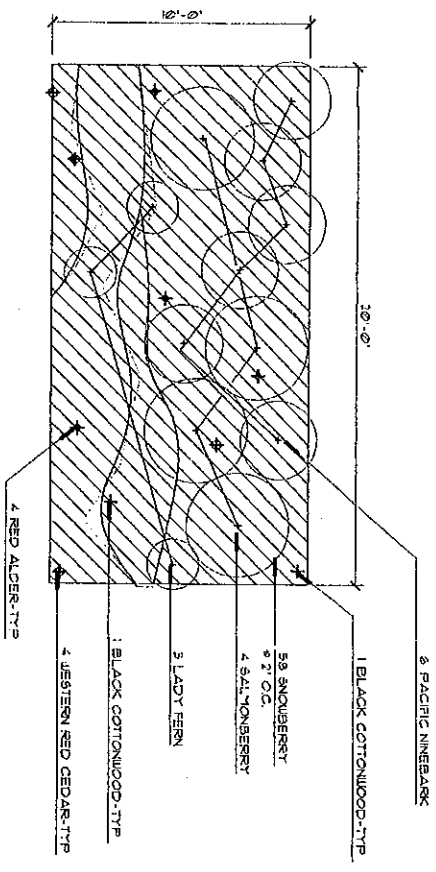
CONSULTANT	Washington State Department of General Administration Div. of Engineering & Architectural Services		
PROJECT TITLE	Heritage Park Arc of Statehood Phase Design Development		
SHEET TITLE	Mid Basin Mitigation Site SITE SECTIONS		
SCALE	VARIES		
DRAWN BY	MM	CHECKED BY	MM
DATE	1.6.98		
SHEET NUMBER	15.7		



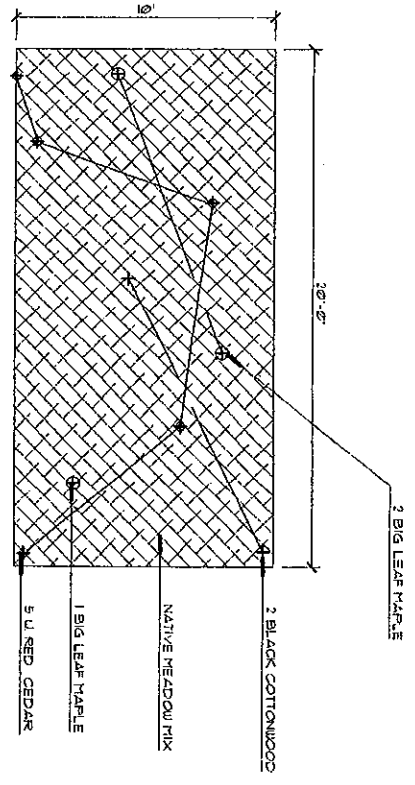
1 EMERGENT WETLAND PLANTING PLAN  
SCALE 3/8"=1'



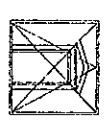
2 SHRUB-SCRIB WETLAND PLANTING PLAN  
SCALE 3/8"=1'



3 FORESTED WETLAND PLANTING PLAN  
SCALE 3/8"=1'



4 UPLAND PLANTING  
SCALE 1/4"=1'



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& INTERPRETIVE PLANNERS  
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GEOCHEMICAL/HAZARDOUS WASTE

**REID MIDDLETON**  
WATERPROOF & STRUCTURAL ENGINEERS

**SVR DESIGN COMPANY**  
CIVIL ENGINEERS

**MCGOVERN BROZ ENGINEERS**  
MECHANICAL & ELECTRICAL ENGINEERS

NUMBER	REVISIONS	COMMENTS	DATE

AUTOCAD FILE NAME: I-58.dwg

CONSULTANT

*Washington State  
Department of  
General  
Administration*  
Div. of Engineering  
& Architectural Services

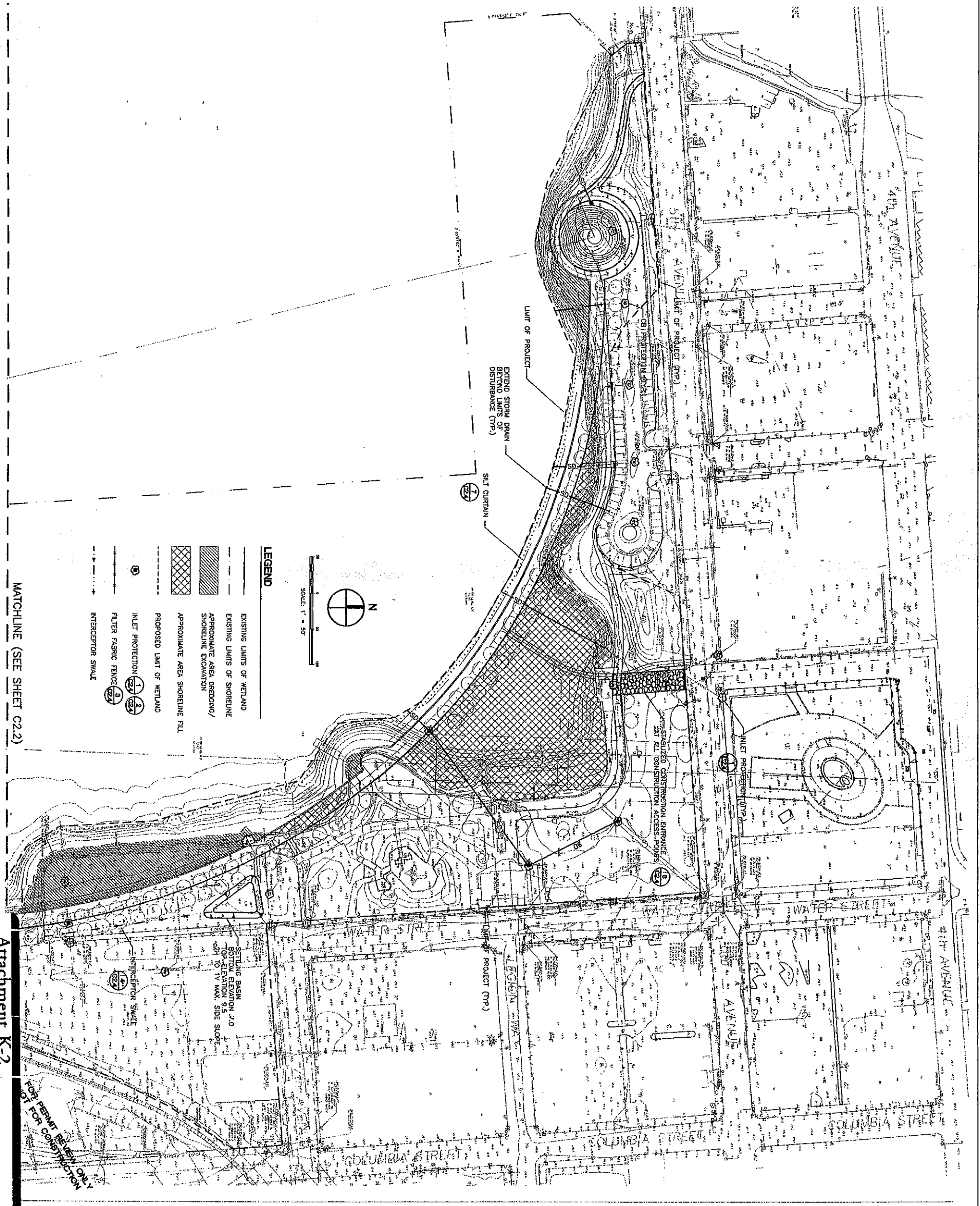
PROJECT TITLE  
Heritage Park  
Arc of Statehood Phase  
Design Development

SHEET TITLE  
Planting Details

SCALE  
VARIES

DRAWN BY:                       
CHECKED BY:                       
DATE: 1.6.95  
SHEET NUMBER: **L 5.8**

*Attachment K-2*



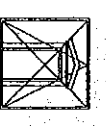
**LEGEND**

- EXISTING LIMITS OF WETLAND
- APPROXIMATE AREA BOUNDING/SHORELINE EXCAVATION
- APPROXIMATE AREA SHORELINE FILL
- PROPOSED LIMIT OF WETLAND
- ⊙ INLET PROTECTION (1) (2) (3) (4)
- FILTER FABRIC FENCE
- INTERCEPTOR SWALE

SCALE 1" = 50'

N

MATCHLINE (SEE SHEET C2.2)



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**REID MIDDLETON**  
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**SRB DESIGN COMPANY**  
CIVIL ENGINEERS

**MCGOWEN BROZ ENGINEERS**  
MECHANICAL & ELECTRICAL ENGINEERS

NUMBER	COMMENTS	DATE

AUTOCAD FILE NAME: HRSR01.DWG



CONSULTANT **S Y R**

**DESIGN COMPANY**  
1008 Western Avenue  
Suite 301  
Seattle, WA 98104  
Phone 2062230326

*Washington State*  
*Department of*  
*General*  
*Administration*  
Div. of Engineering  
& Architectural Services

PROJECT TITLE  
**Heritage Park**  
Arc of Statehood Phase  
Design Development

SHEET TITLE  
**Park Site**  
**TESC Plan**

SCALE	1" = 50'
DRAWN BY:	JUN
CHECKED BY:	A
DATE	1.6.97
SHEET NUMBER	<b>C2.1</b>

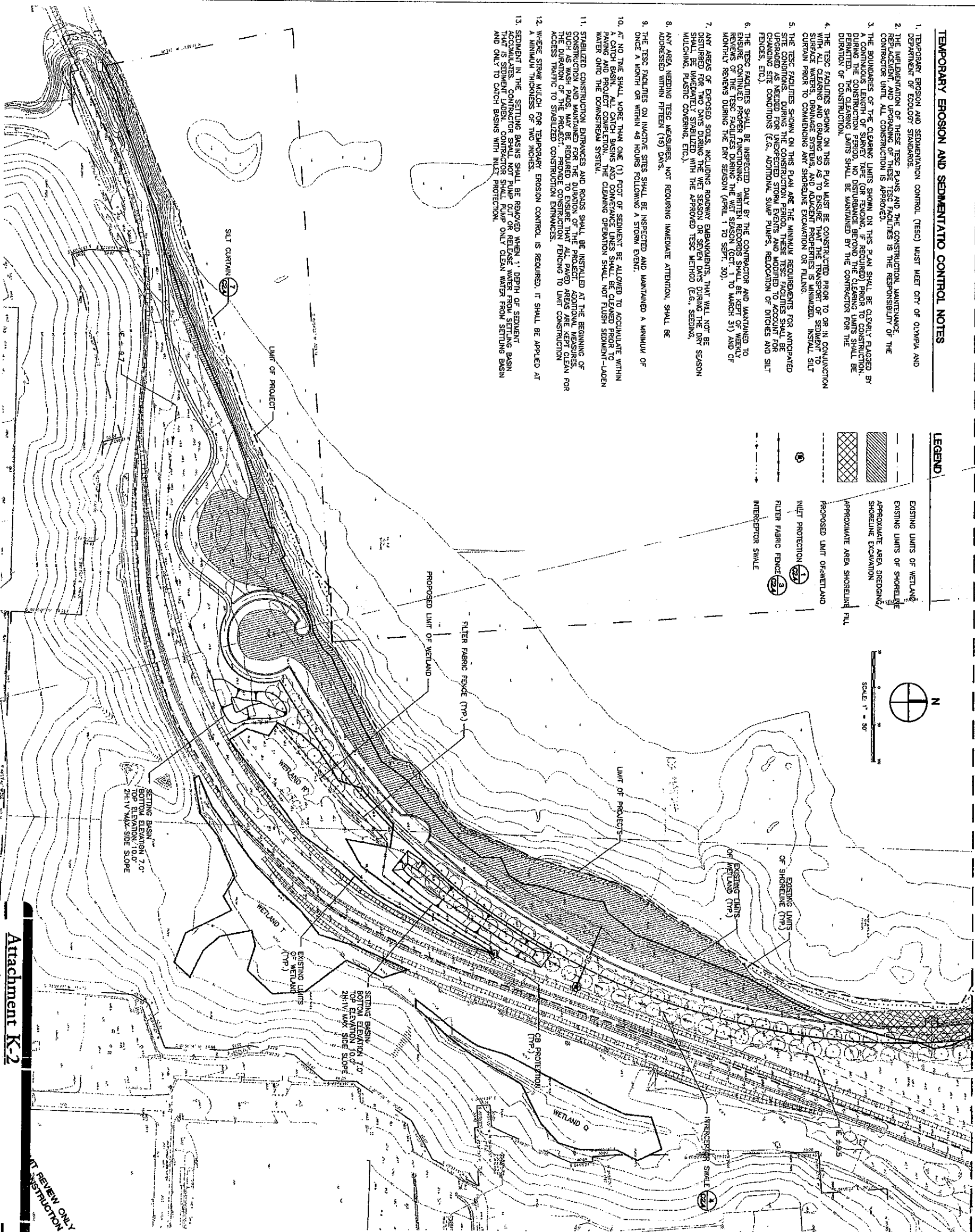
Attachment K-2  
Arc of Statehood Design Development  
Sheets C2.1 to 12.4

**TEMPORARY EROSION AND SEDIMENTATION CONTROL NOTES**

1. TEMPORARY EROSION AND SEDIMENTATION CONTROL (TESC) MUST MEET CITY OF OLYMPIA AND DEPARTMENT OF ECOLOGY STANDARDS.
2. THE IMPLEMENTATION OF THESE TESC PLANS AND THE CONSTRUCTION, MAINTENANCE, OPERATION AND MONITORING OF THESE TESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNDER ALL CONDITIONS OF THESE TESC FACILITIES.
3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED BY DURING THE CONSTRUCTION OF THE PROJECT. THE CLEARING LIMITS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
4. THE TESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH THE START OF THE CONSTRUCTION OF THE PROJECT. THE TESC FACILITIES SHALL BE CONSTRUCTED PRIOR TO COMMENCING ANY SHORELINE EXCAVATION OR FILLING.
5. THE TESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND ADDRESSING CHANGING SITE CONDITIONS (E.G. ADDITIONAL SWAMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.).
6. THE TESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED TO ENSURE PROPER OPERATION. THE TESC FACILITIES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE TESC FACILITIES DURING THE WET SEASON (APRIL 1 TO SEPT. 30) AND OF MONTHLY REVIEWS DURING THE DRY SEASON (APRIL 1 TO SEPT. 30).
7. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED TESC METHOD (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
8. ANY AREA NEEDING TESC MEASURES, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN FIFTEEN (15) DAYS.
9. THE TESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM EVENT.
10. AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN PAVED AREAS OR IN CATCH BASINS AND DOWNSPOUTS. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT INTO THE DOWNSTREAM SYSTEM.
11. STABILIZED CONSTRUCTION ENTRANCES AND ROADS SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS STABILIZED DRIVEWAYS, SHALL BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR ACCESS TRAFFIC TO STABILIZED CONSTRUCTION ENTRANCES.
12. WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF TWO INCHES.
13. SEDIMENT IN THE SETTLING BASINS SHALL BE REMOVED WHEN 1' DEPTH OF SEDIMENT ACCUMULATES. CONTRACTOR SHALL NOT PUMP OUT OR RELEASE WATER FROM SETTLING BASIN THAT IS SEDIMENT LADEN. CONTRACTOR SHALL PUMP ONLY CLEAN WATER FROM SETTLING BASIN AND ONLY TO CATCH BASINS WITH INLET PROTECTION.

**LEGEND**

- EXISTING LIMITS OF WETLAND
- EXISTING LIMITS OF SHORELINE
- APPROXIMATE AREA DREDGING/SHORELINE EXCAVATION
- APPROXIMATE AREA SHORELINE FILL
- PROPOSED LIMIT OF WETLAND
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 CIVIL ENGINEERS

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PROJECT TITLE	Heritage Park Arc of Statehood Phase Design Development
SHEET TITLE	Park Site TESC Plan
SCALE	1" = 30'
DRAWN BY	AK
CHECKED BY	AL
DATE	1.6.97
SHEET NUMBER	C 2.2

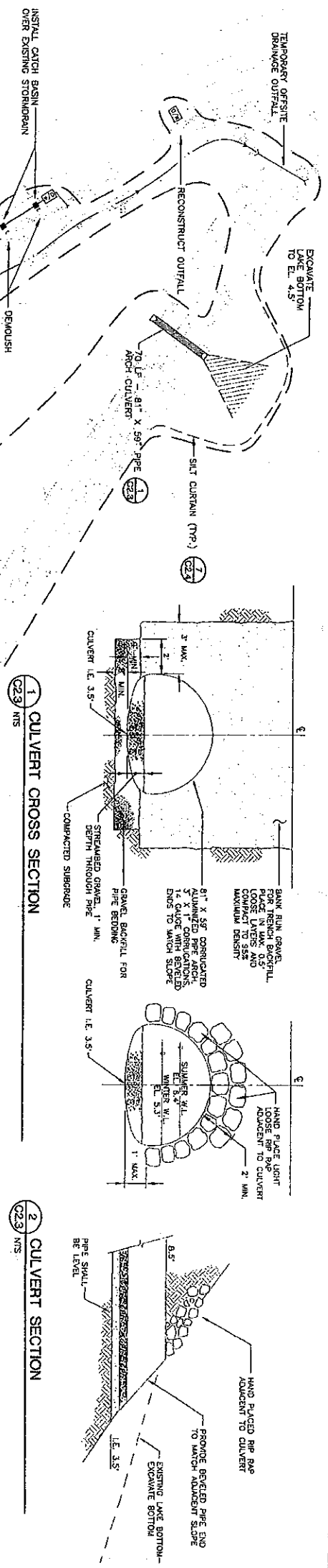
CONSULTANT	S	Y	R
REGISTRATION NUMBER	1009	1009	1009
REGISTRATION STATE	WA	WA	WA
REGISTRATION EXPIRES	12/31/97	12/31/97	12/31/97
REGISTRATION TYPE	Professional Engineer	Professional Engineer	Professional Engineer
REGISTRATION BOARD	Professional Engineers	Professional Engineers	Professional Engineers
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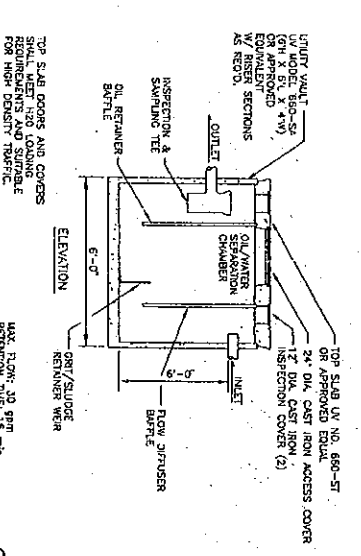
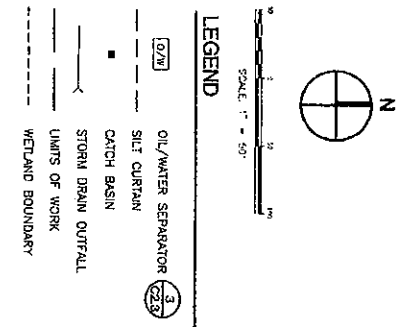
Attachment K-2  
 Arc of Statehood Design Development  
 Sheets C2.1 to L2.4

FOR REVIEW ONLY  
 NOT FOR CONSTRUCTION



1 CULVERT CROSS SECTION  
23.3 NTS

2 CULVERT SECTION  
23.3 NTS



Attachment K-2  
Arc of Statehood Design Development  
Sheets C2.1 to I2.4

CALL 48 HOURS BEFORE YOU DIG  
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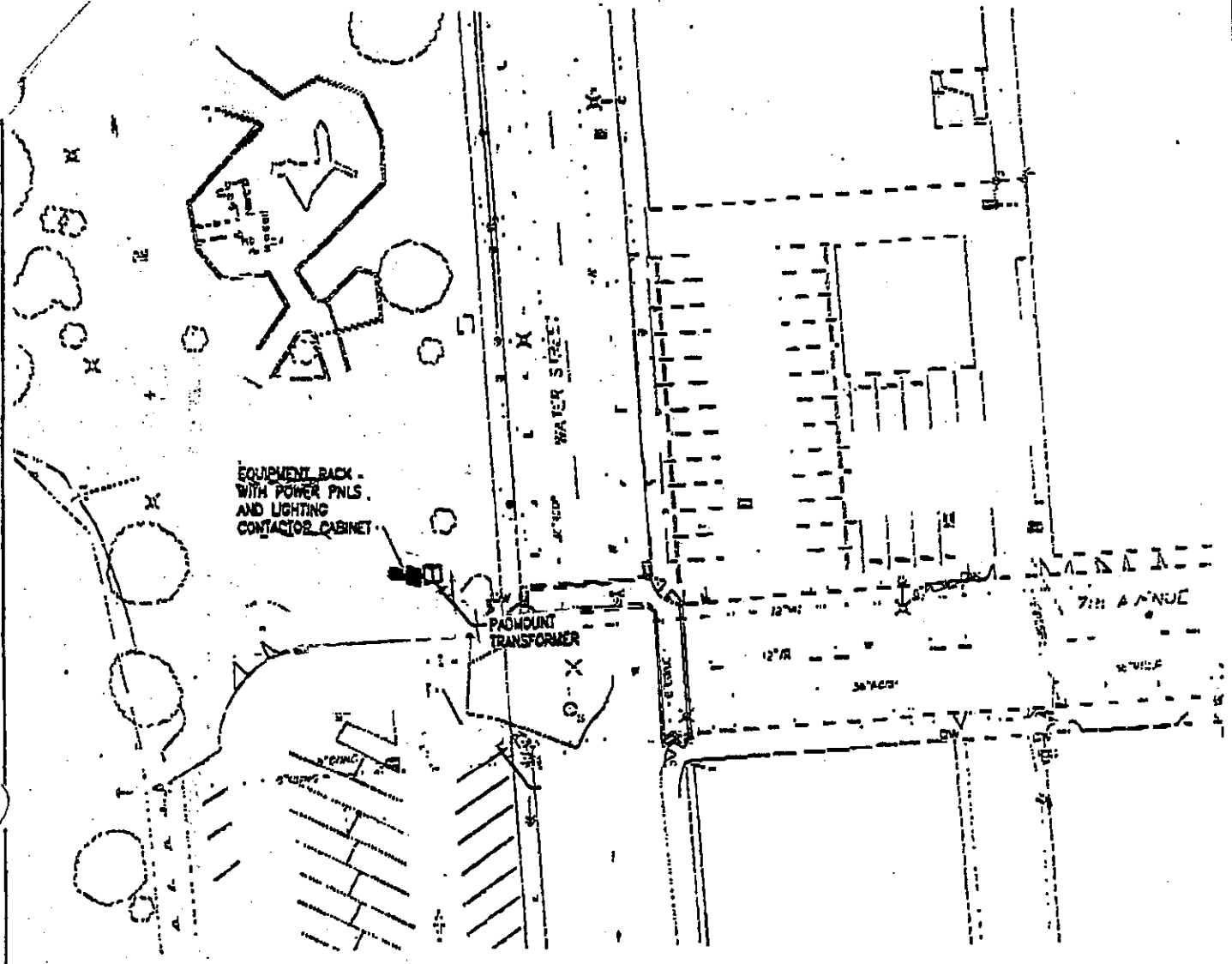
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<p><b>REID MIDDLETON</b> WATERFRONT &amp; STRUCTURAL ENGINEERS SVP DESIGN COMPANY DME ENGINEERS</p>		<p><b>MCCONNEN BROS ENGINEERS</b> MECHANICAL &amp; ELECTRICAL ENGINEERS</p>	
<p>Washington State Department of General Administration Division of Engineering &amp; Architectural Services</p> <p>PROJECT TITLE: Heritage Park Arc of Statehood Phase Design Development SHEET TITLE: Mid Basin Mitigation Site Drainage &amp; TESC Plan</p>			
CONSULTANT	S I R	REGION	COMMENTS
1005 Melan Avenue Suite 301 Tacoma, WA 98404 Phone 252.2323			
NUMBER	REVISIONS	COMMENTS	DATE
AUTOCAD FILE NAME: H10MSITE.DWG			
SCALE	1" = 50'		
DRAWN BY: ZMB			
CHECKED BY: JMB			
DATE: 1.6.97			
SHEET NUMBER: C2.3			





***Attachment K-3***

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# PARTIAL PLAN

NOT TO SCALE

## Attachment K-3

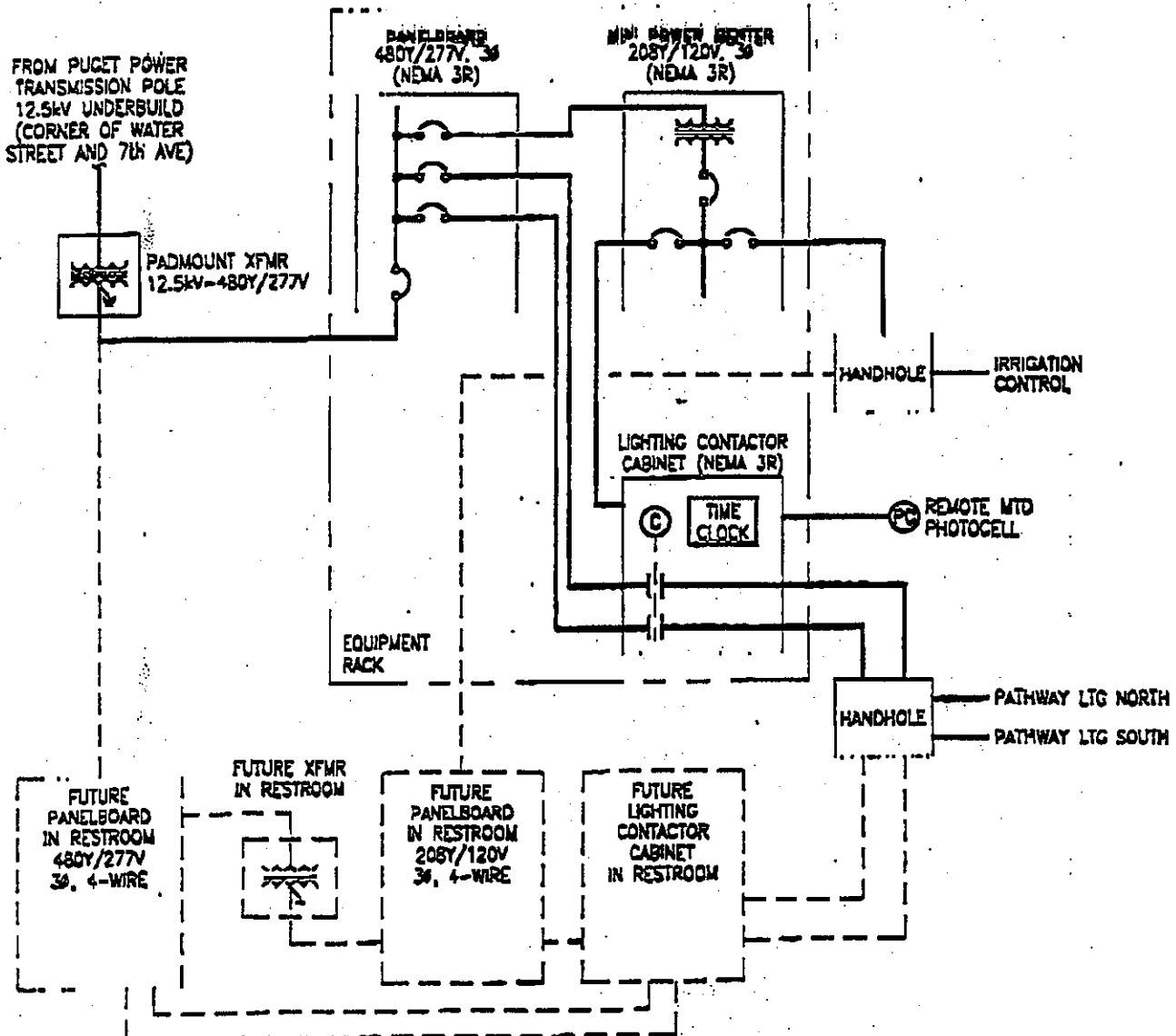
Arc of Statehood Phase  
Electrical padmount transformer location

**McGowan Broz Engineers Inc.**



18225 Marquay Way, Suite 200  
Bellevue, Washington 98008  
Tel: (206) 948-0500  
Fax: (206) 646-9843

PROJECT:	HERITAGE PARK	DESIGNED BY:	WALDROP	PROJ. NO.:	95103	SHEET:	SK2
DRAWING TITLE:	PARTIAL PLAN	DRAWN BY:	WALDROP	REVIEWED BY:	McGOWAN		
		SCALE:	NONE	DATE:	10/10/96		



# ONE-LINE DIAGRAM

NO SCALE

## Attachment K-3

Arc of Statehood Phase  
Electrical one line diagram

McGowan Broz Engineers Inc.



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Bellevue, Washington 98007  
Tel (206) 646-9843  
Fax (206) 646-9848

PROJECT: HERITAGE PARK  
DRAWING TITLE: ONE-LINE DIAGRAM

DESIGNED: WALDROP

DRAWN: WALDROP

SCALE: NONE

PROJ. NO. 96103

REVIEWED: MCGOWAN

DATE: 10/10/96

SHEET:

SK1