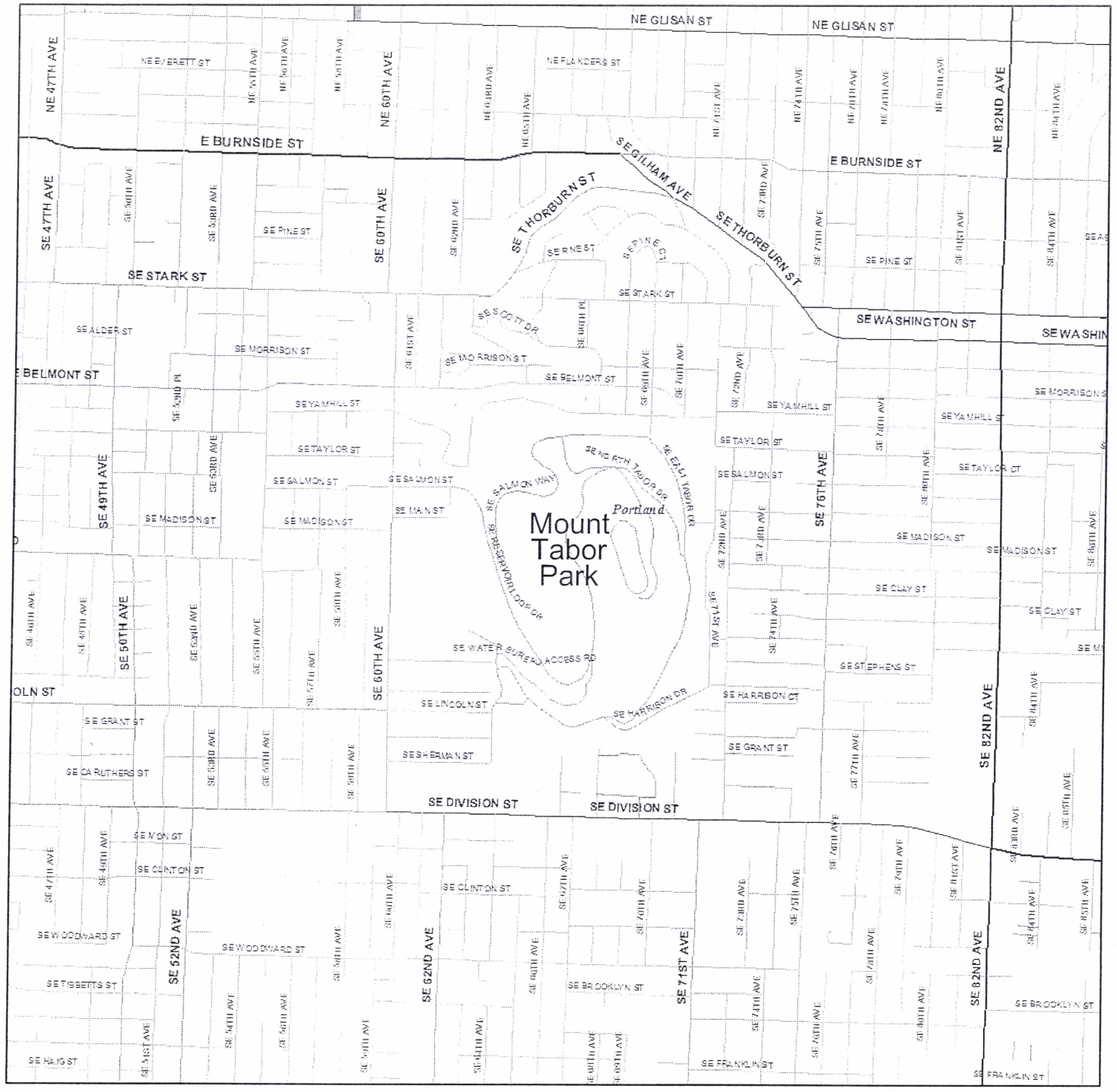
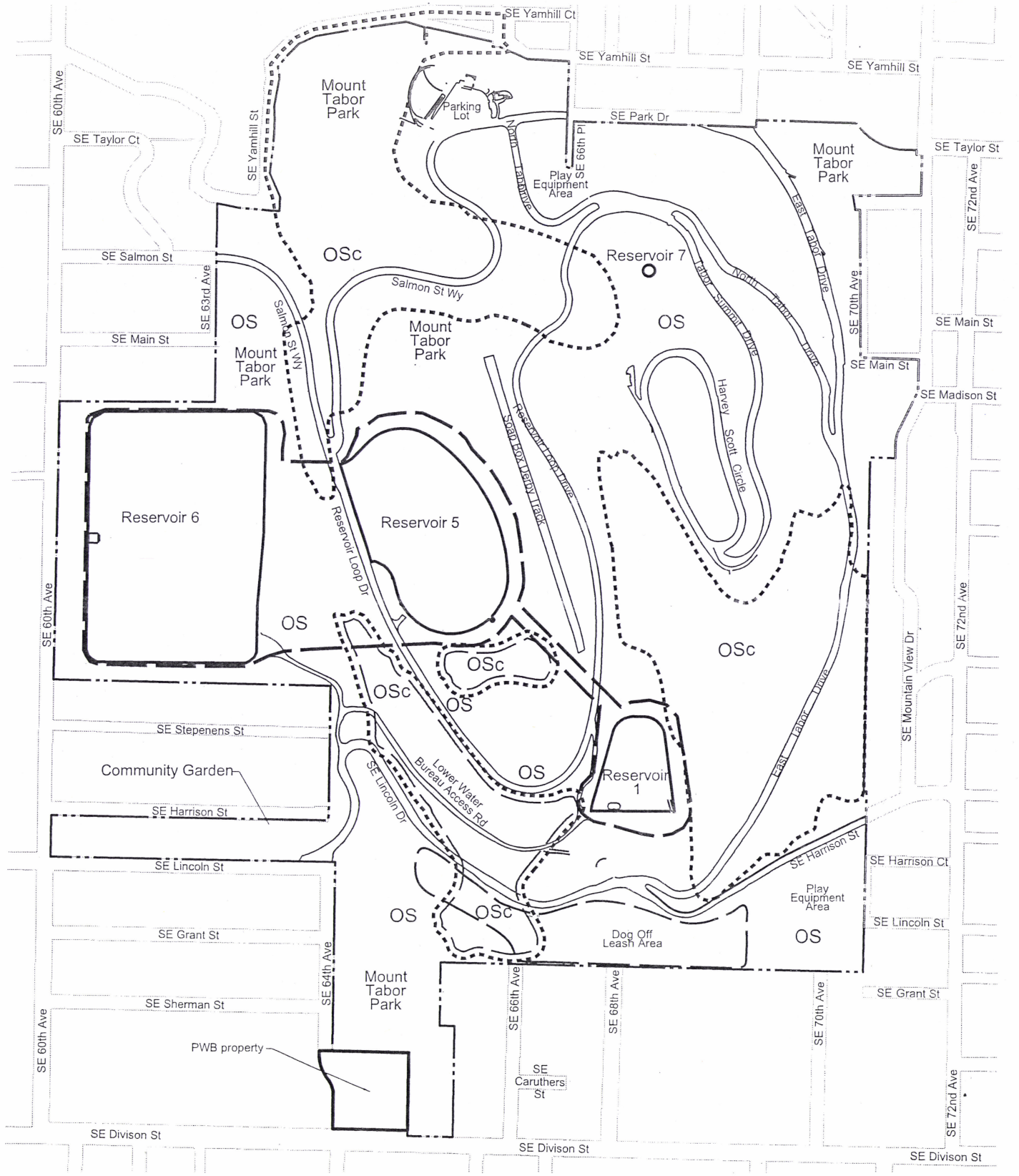


Site Vicinity Map



Mt Tabor Park Site

NTS

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PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments
Zoning, Property Boundaries, and Overall Site
Cover Sheet

SAP Project No
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1/4 Section
Sheet No
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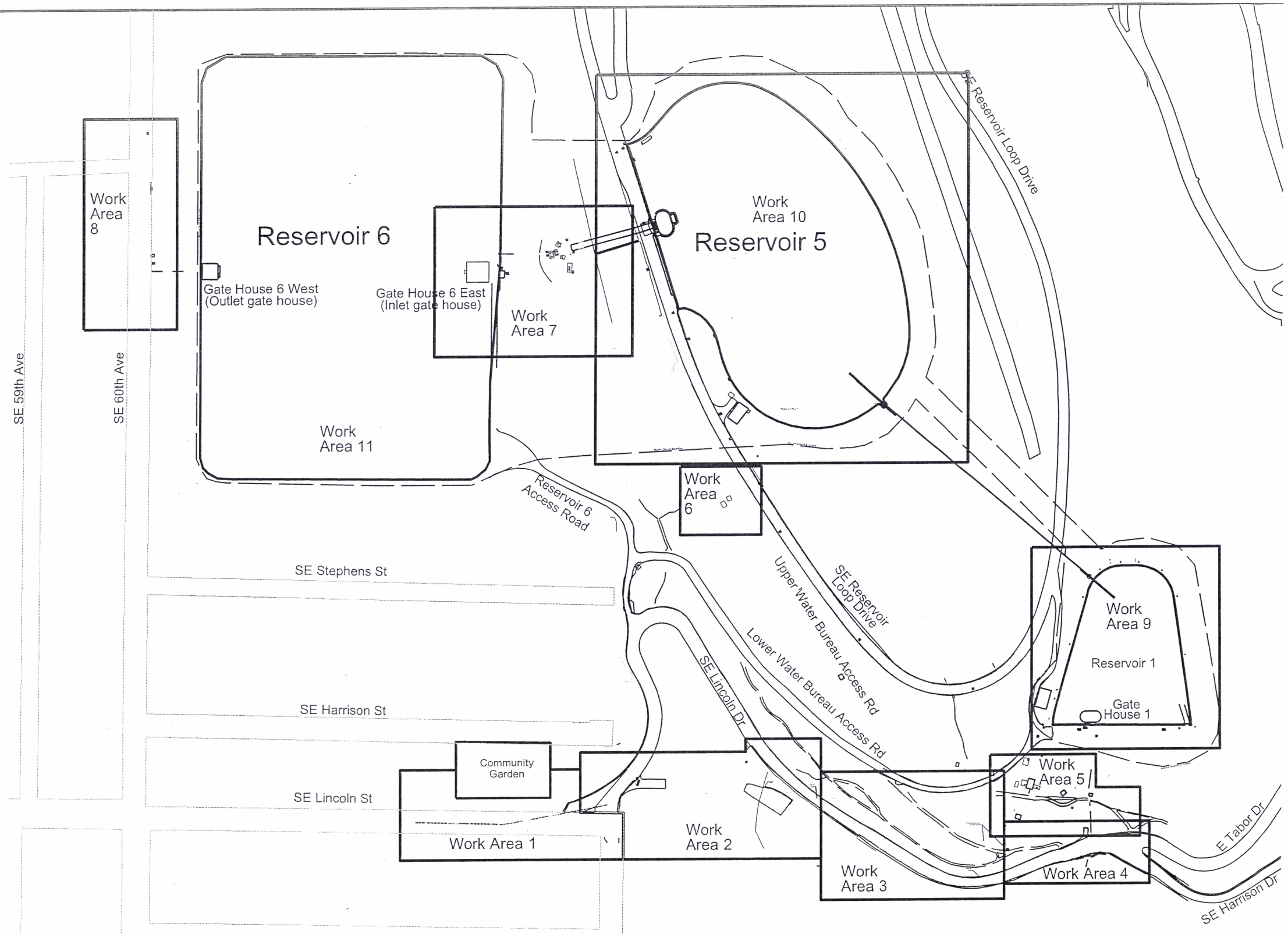
Sheet Index
1. Title drawing: Zoning, Property Boundaries, and Overall Site
2. List of Drawings and Index of Work Areas
3. Existing Conditions and Proposed Work, Work Area 1 (included only for completeness – work is not subject to land use review)
4. Existing Conditions, Work Area 2
5. Existing Conditions, Work Area 3
6. Existing Conditions, Work Area 4
7. Existing Conditions, Work Area 5
8. Existing Conditions, Work Area 6
9. Existing Conditions, Work Area 7
10. Existing Conditions, Work Area 8
11. Existing Conditions, Work Area 9 – Reservoir 1
12. Existing Conditions, Work Area 10 – Reservoir 5
13. Existing Conditions, Work Area 11 – Reservoir 6
14. Proposed Work, Work Area 2
15. Proposed Work, Work Area 3
16. Proposed Work, Work Area 4
17. Proposed Work, Work Area 5
18. Proposed Work, Work Area 6
19. Proposed Work, Work Area 7
20. Proposed Work, Work Area 8
21. Proposed Work, Work Area 9 – Reservoir 1
22. Proposed Work, Work Area 9 – Reservoir 1, Elevation
23. Proposed Work, Work Area 9 – Reservoir 1, Details
24. Proposed Work, Work Area 10 – Reservoir 5
25. Proposed Work, Work Area 10 – Reservoir 5, Elevations and Details
26. Proposed Work, Work Area 10 – Reservoir 5, Details
27. Proposed Work, Work Area 11 – Reservoir 6
28. Proposed Work, Work Area 11 – Reservoir 6, Elevation and Details
29. Proposed Work, Work Area 11 – Reservoir 6, Elevation and Details
30. Schematic of Proposed Work, With Reservoir Fill Pipes, Including Res. 5 to Res. 1 Pipe, and Washdown Pipes
31. Construction Management, Work Area 2
32. Construction Management, Work Area 3
33. Construction Management, Work Area 4
34. Construction Management, Work Area 5
35. Construction Management, Work Area 6
36. Construction Management, Work Area 7
37. Construction Management, Work Area 8
38. Construction Management, Work Area 9 - Reservoir 1
39. Construction Management, Work Area 10 - Reservoir 5
40. Construction Management, Work Area 11 - Reservoir 6
41. Erosion Control Detail Sheet
42. Details – Temporary Chain Link Fencing
43. Work Area 2 Landscaping Plan and Mitigation Trees
44. Work Area 4 Landscaping Plan
45. Work Area 5 Landscaping Plan and Mitigation Trees
46. Work Area 7 Landscaping Plan
47. Work Area 8 Landscaping Plan
48. Planting Work Areas 12A and 12B, West Park Area
49. Planting Work Areas 12C and 12D, SE Harrison Dr Area
50. Legend and Abbreviations
51. (Sheet Not Used)
52. (Sheet Not Used)
53. Landscaping and Mitigation Tree Details



See Legend on Sheet 50

NTS

Notes:
1. Maximum total disturbed area for this project is 75,000 square feet

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Land Use Review Application
Tabor Reservoir Adjustments

List of Drawings and Index to Work Areas

Plan Sheet

SAP Project No
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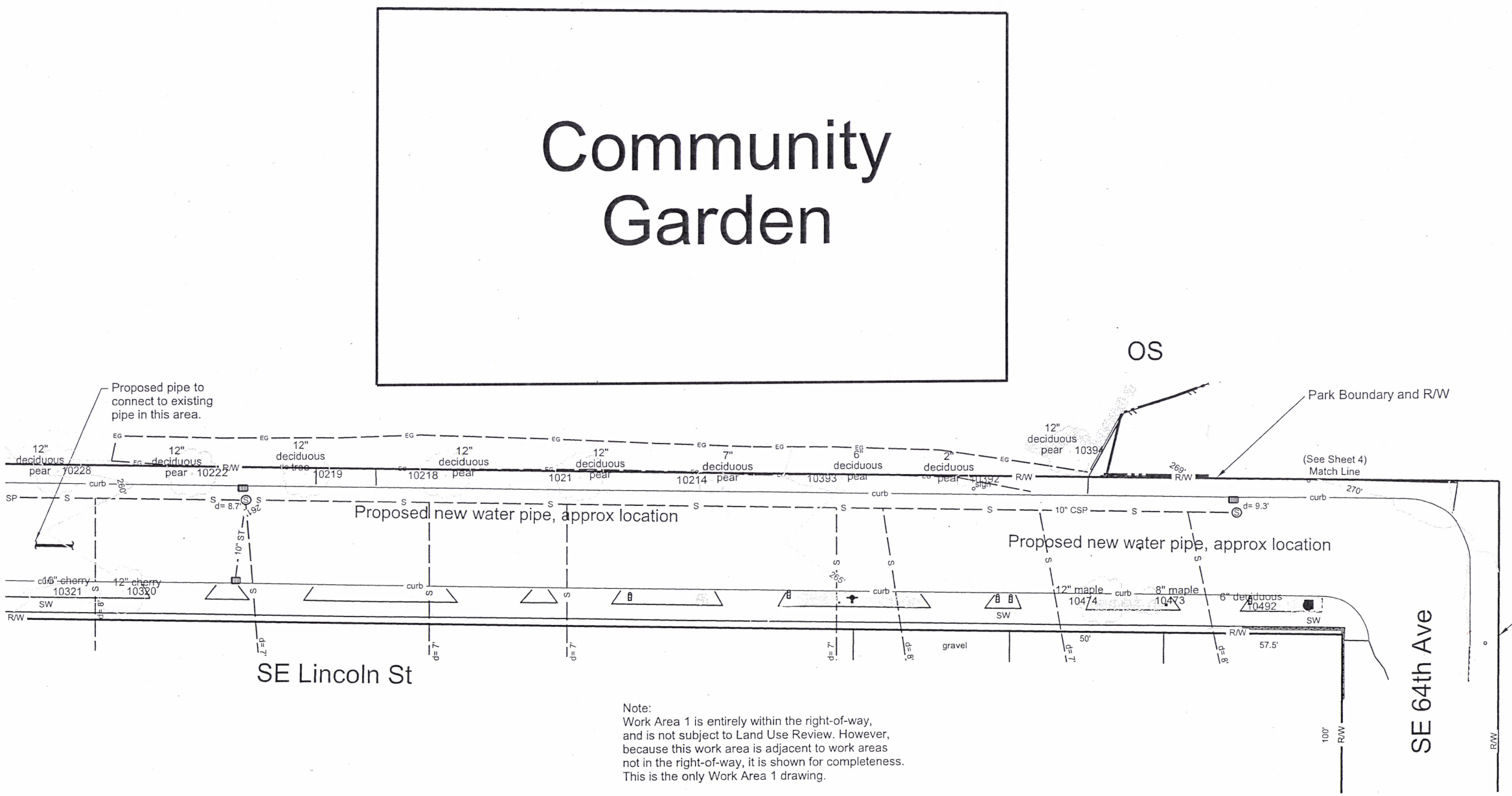

Note:
Work Area 1 is entirely within the right-of-way, and is not subject to Land Use Review. However, because this work area is adjacent to work areas not in the right-of-way, it is shown for completeness. This is the only Work Area 1 drawing.

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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Existing Conditions and Proposed Work, Work Area 1

Site Plan Sheet

SAP Project No W01524
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Sheet No 3 of 53

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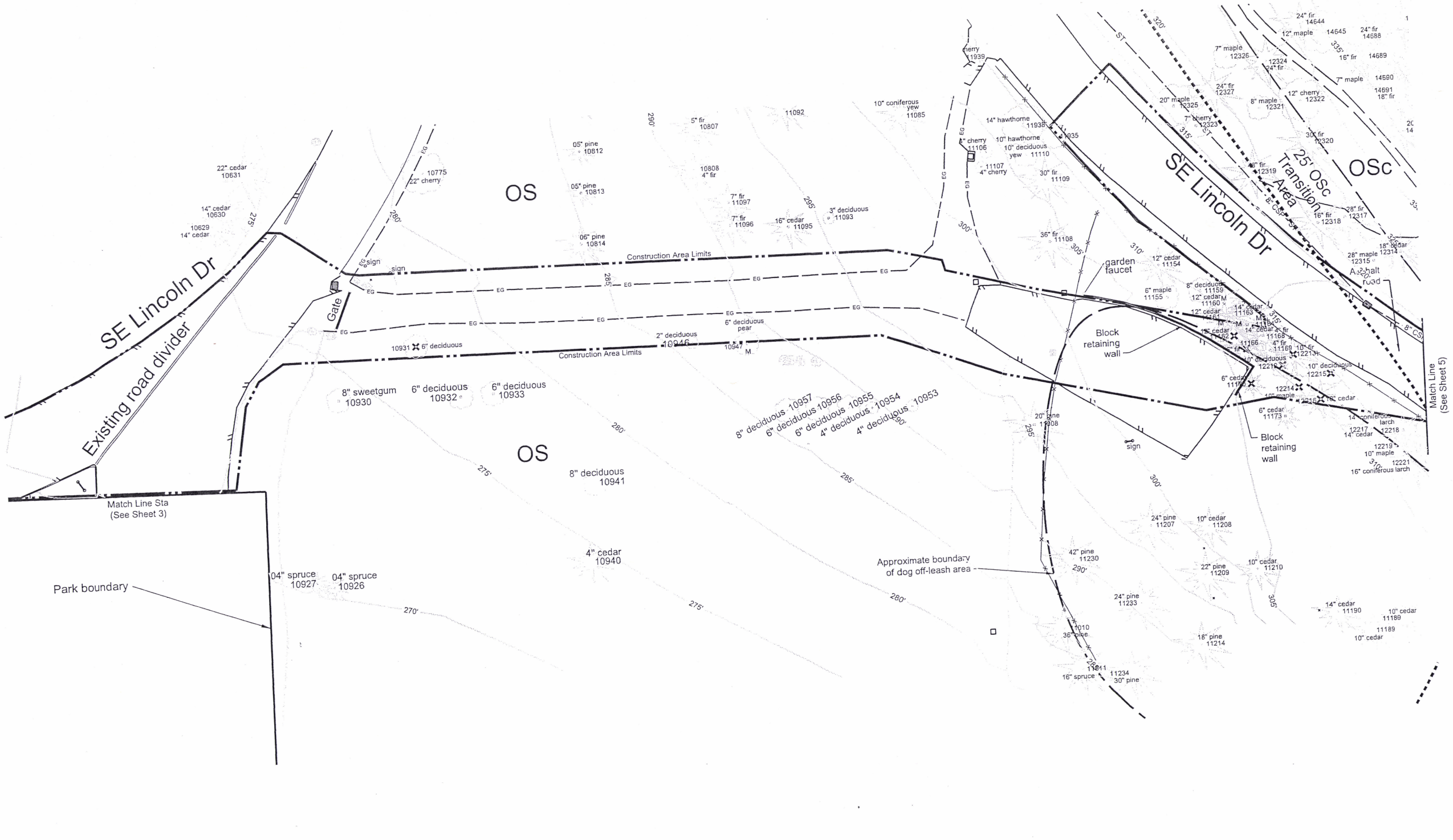

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PORTLAND WATER BUREAU
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PRELIMINARY

CITY OF PORTLAND, OREGON 1851

Land Use Review Application
Tabor Reservoir Adjustments

Existing Conditions
Work Area 2

Site Plan Sheet

SAP Project No
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Sheet No
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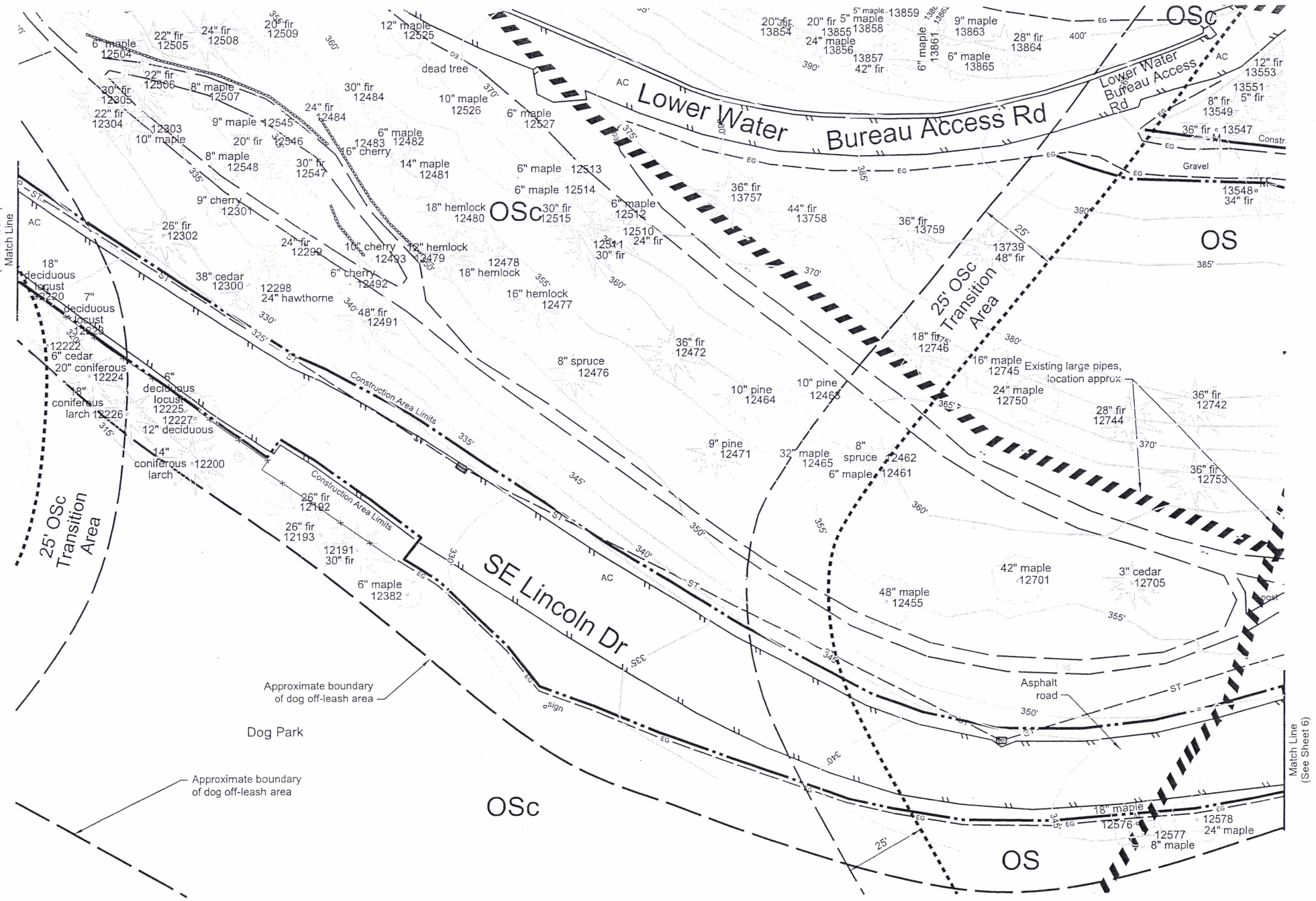

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PORTLAND WATER BUREAU
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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adiustments
Existing Conditions
Work Area 3
Site Plan Sheet

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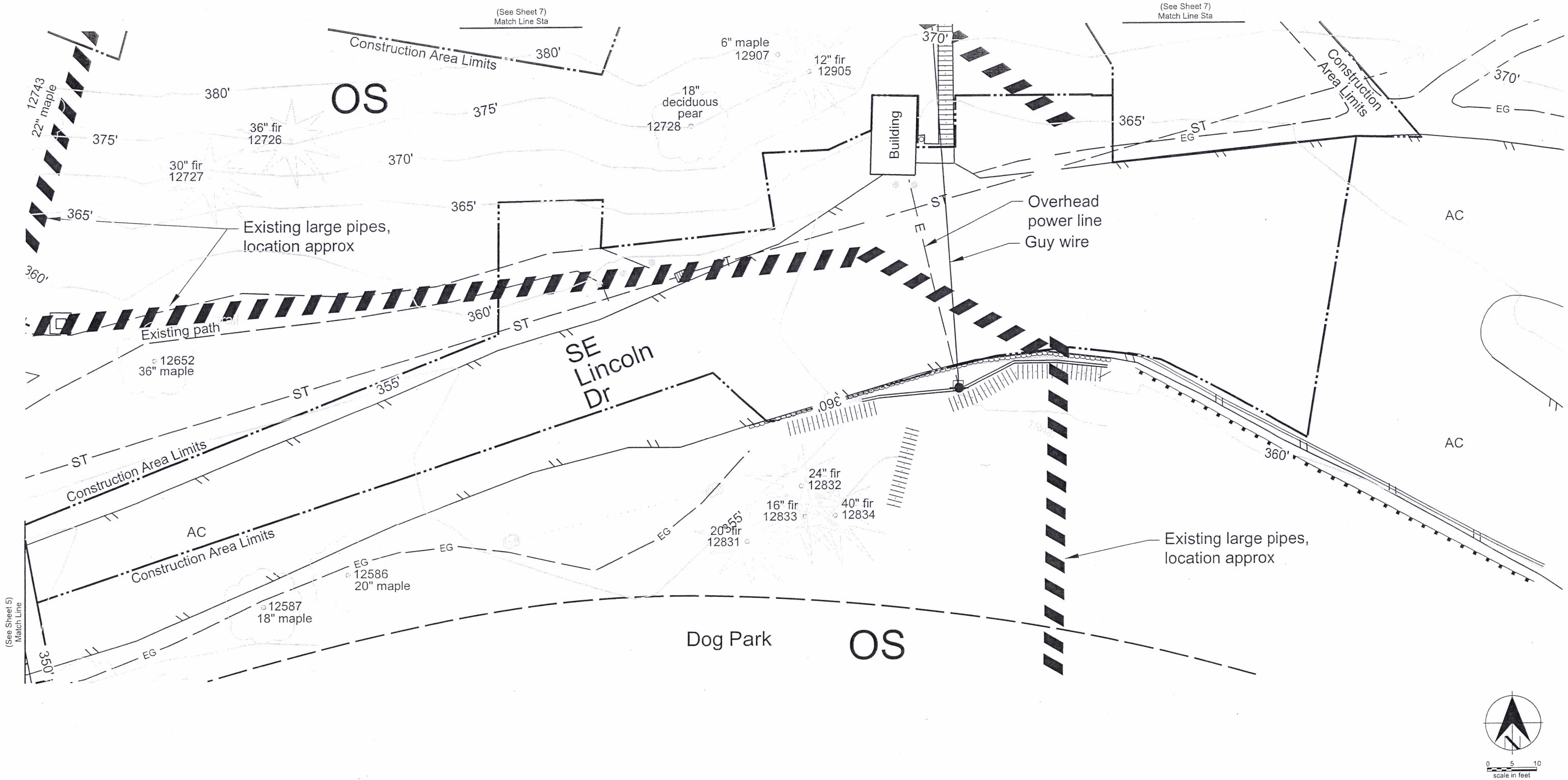

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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments
Existing Conditions
Work Area 4

Site Plan Sheet

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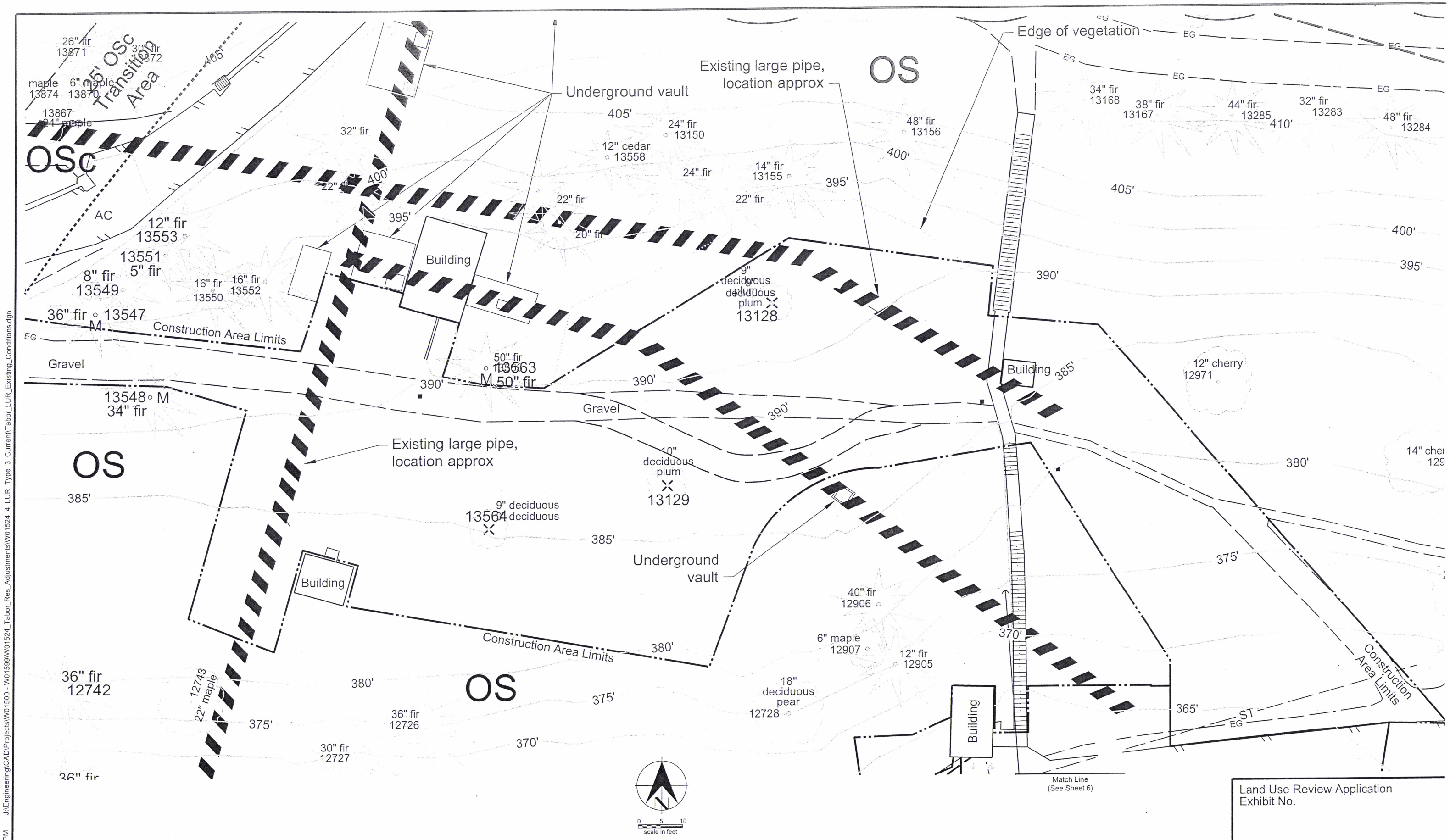

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PORTLAND WATER BUREAU
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Land Use Review Application
Tabor Reservoir Adjustments
Existing Conditions
Work Area 5

Site Plan Sheet

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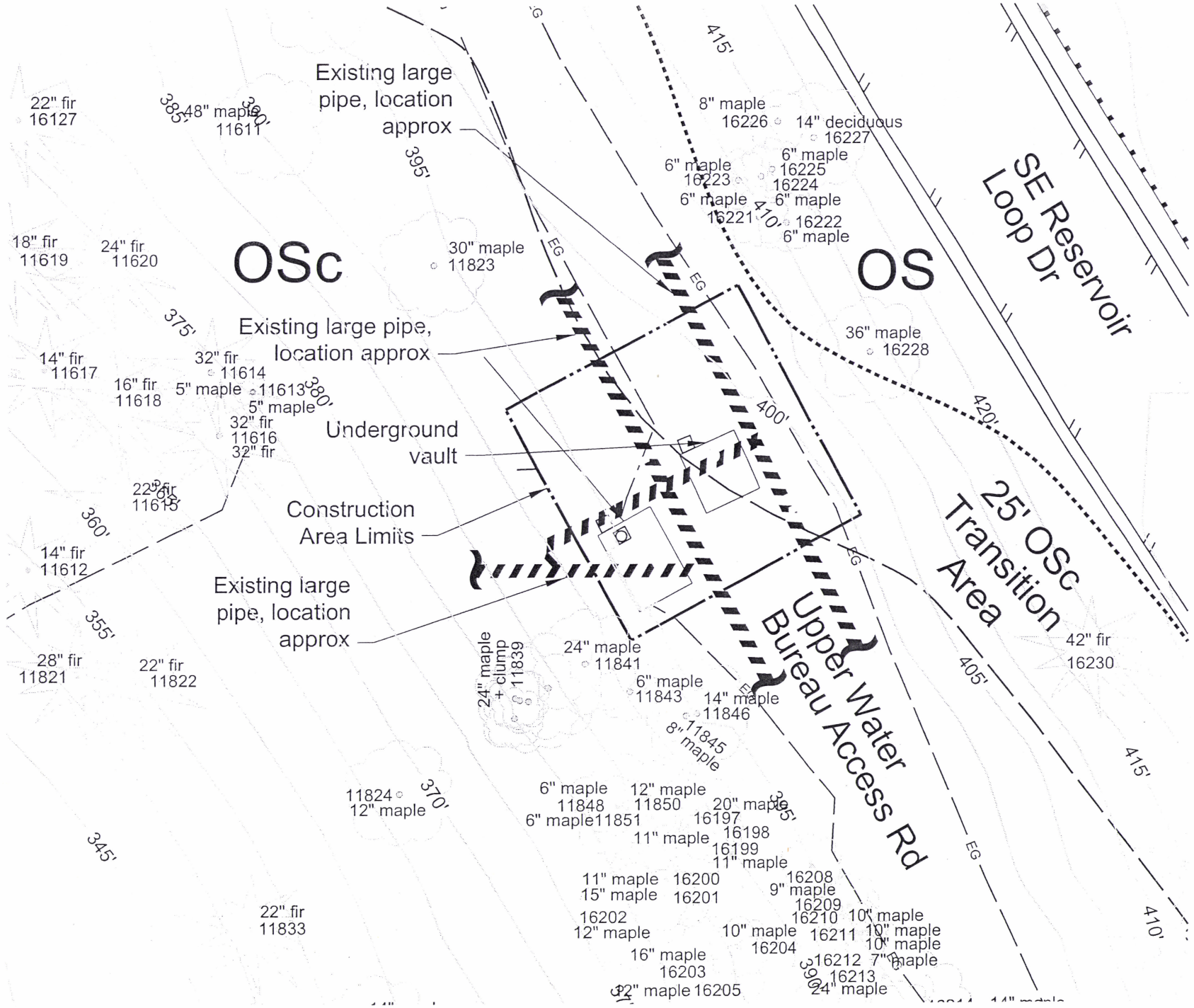

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scale in feet

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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments
Existing Conditions
Work Area 6

Plan Sheet

SAP Project No
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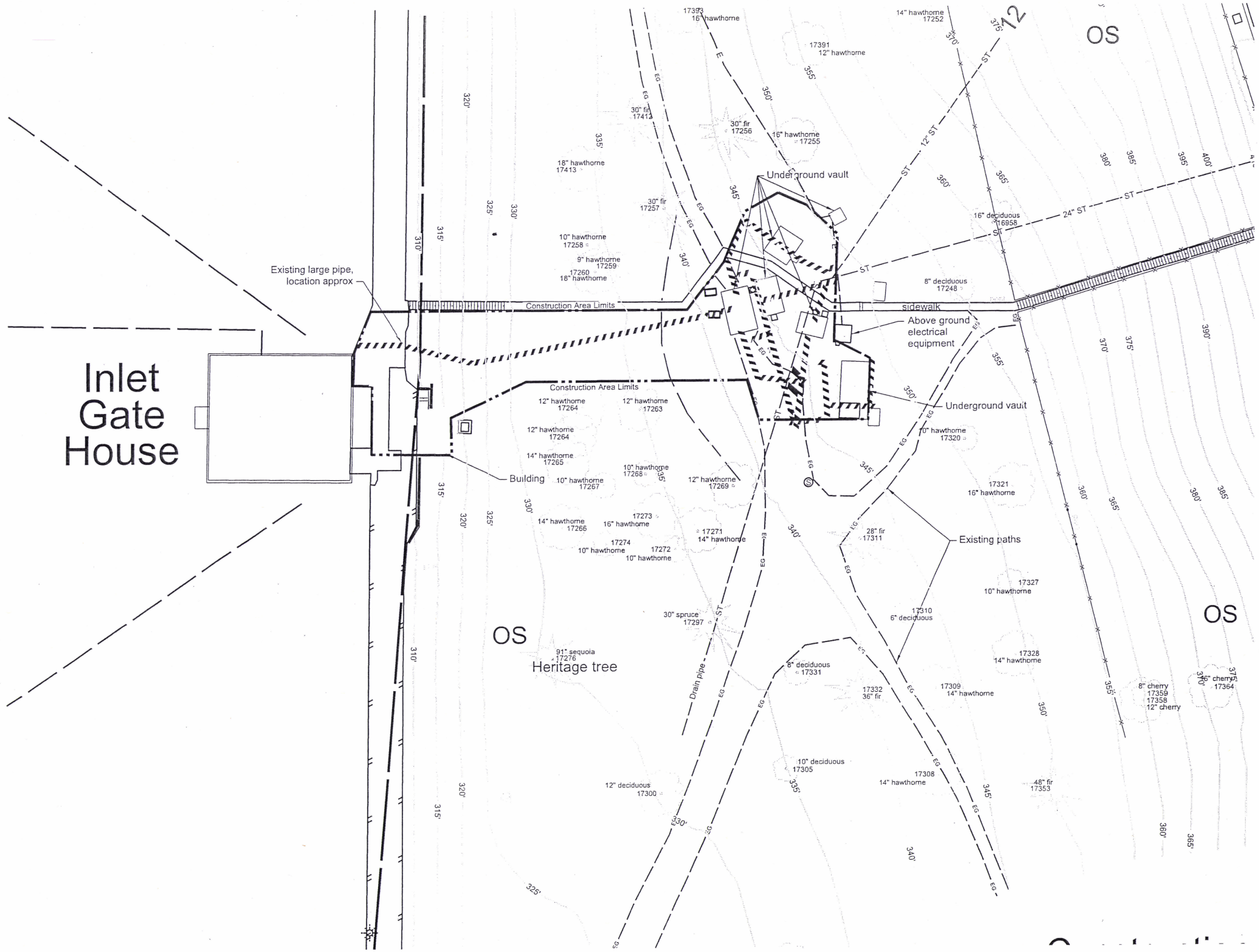

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Land Use Review Application
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PRELIMINARY

CITY OF PORTLAND OREGON 1851

Land Use Review Application
Tabor Reservoir Adjustments

Existing Conditions
Work Area 7

Site Plan Sheet

SAP Project No
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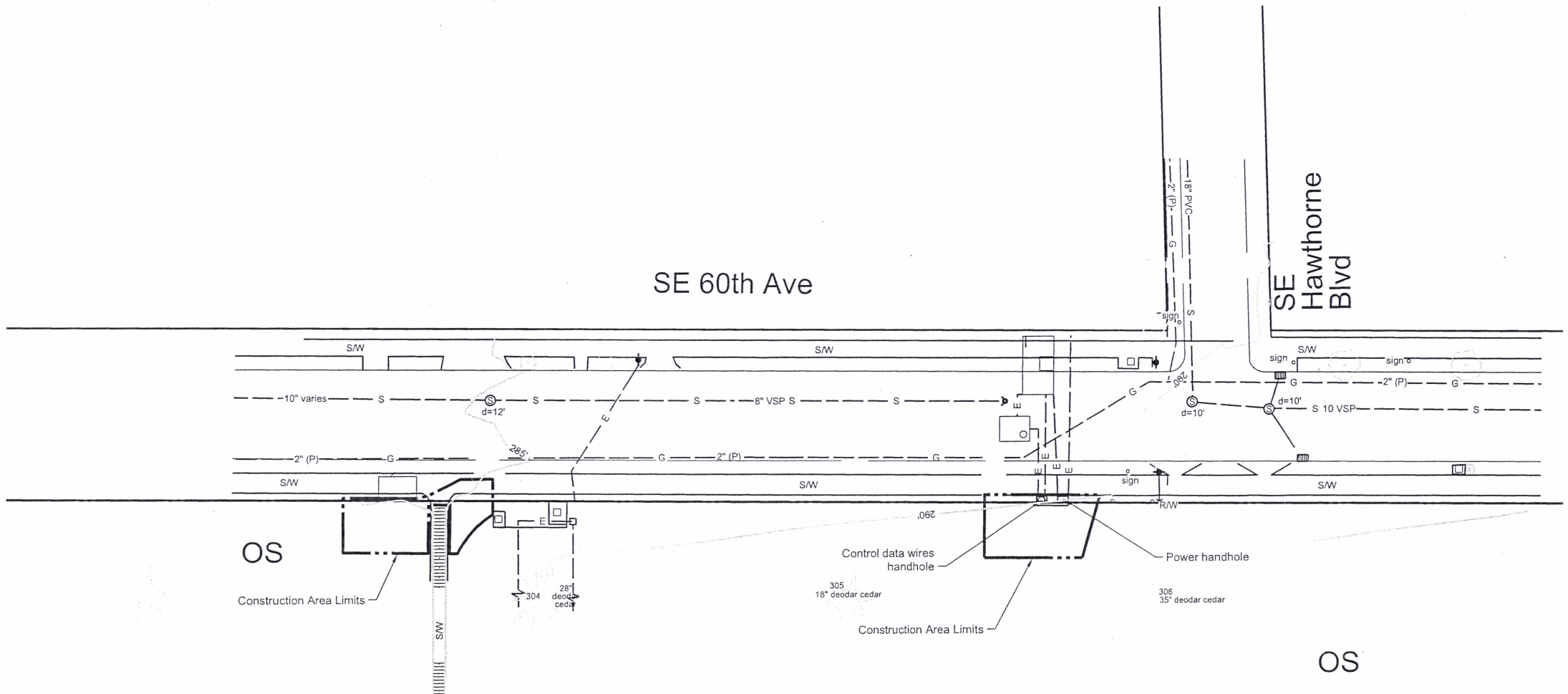

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Land Use Review Application
Tabor Reservoir Adjustments

Existing Conditions
Work Area 8

Site Plan Sheet

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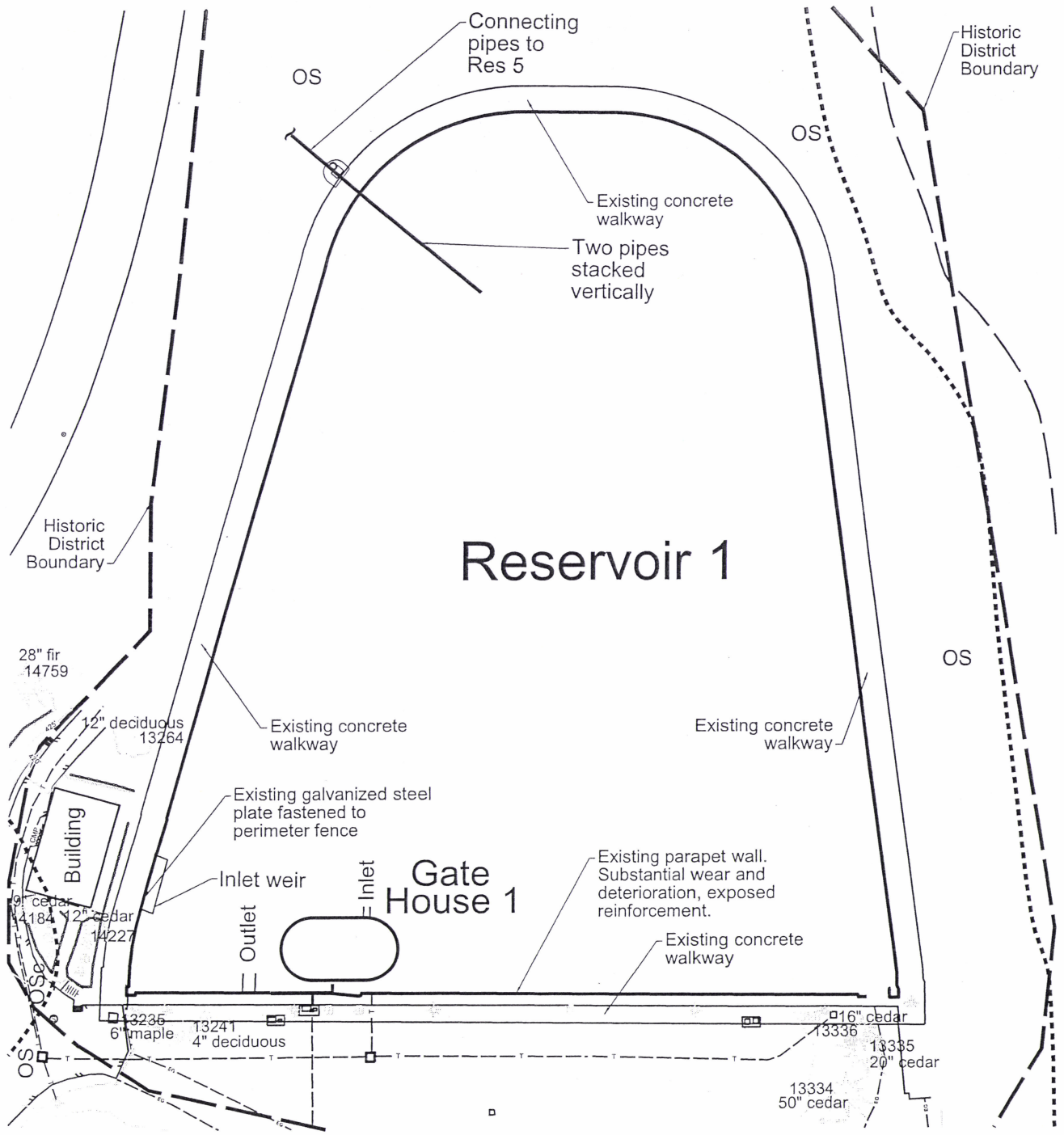

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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Existing Conditions
Work Area 9 - Reservoir 1

Site Plan Sheet

SAP Project No
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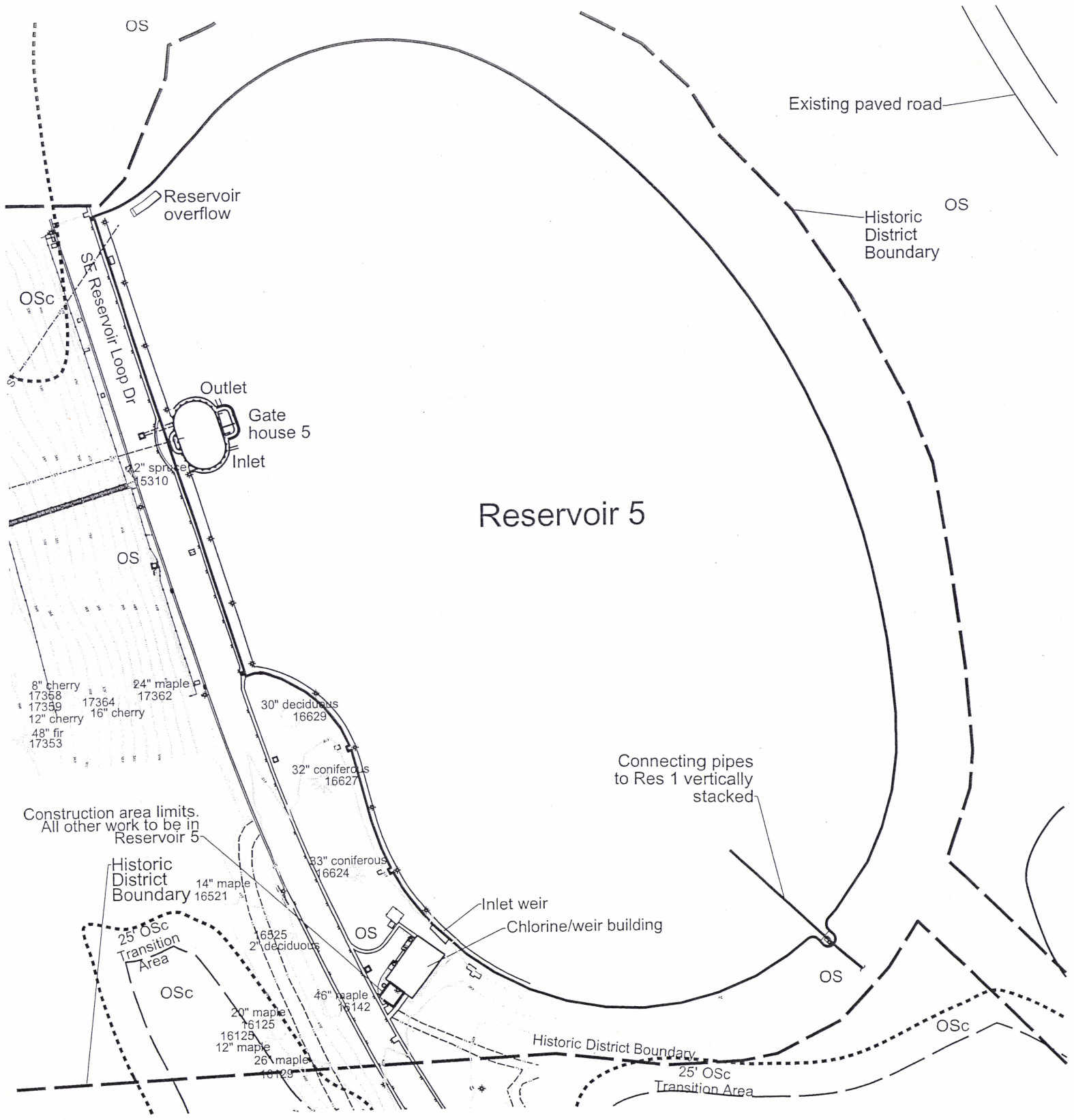

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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Existing Conditions
Work Area 10 - Reservoir 5

Site Plan Sheet

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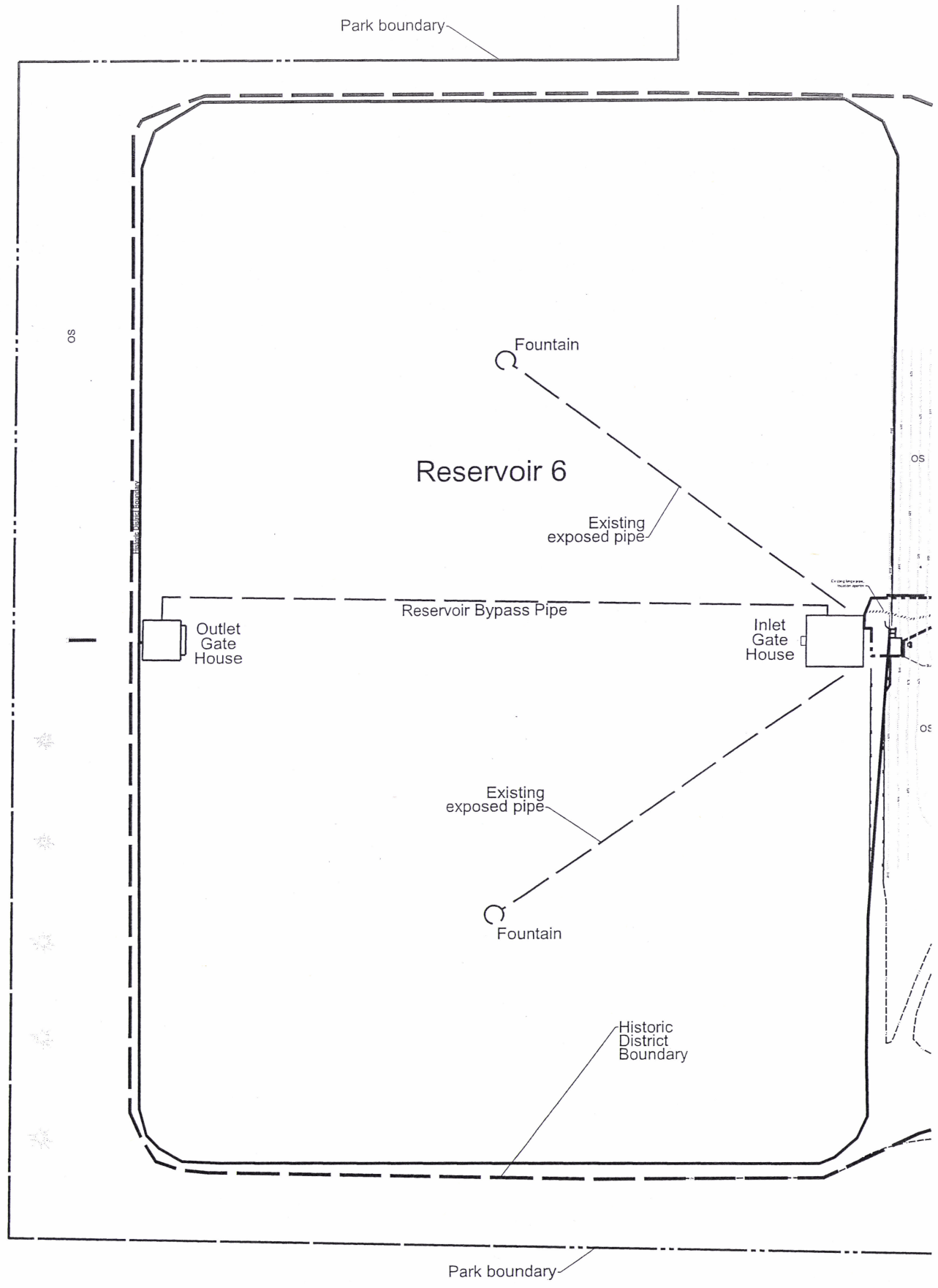

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scale in feet

Land Use Review Application
Exhibit No.

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PORTLAND WATER BUREAU
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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Existing Conditions
Work Area 11 - Reservoir 6

Site Plan Sheet

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Provide inlet protection (2/41)

Construction Area Limits and utility corridor for installation of steel pipe

Construction Area limits

Temporary equipment staging and stockpile area only when SE Lincoln Dr is closed for pipe construction

Existing fence

Connect pipe to existing pipe to the north in this area.

Proposed water valve

Existing gate to be removed and replaced in construction area

Possible gate for short term access

Construction Area Limits

Temporary equipment staging and stockpile area

SE Lincoln Dr

Gate

Proposed new water pipe, approx location

garden faucet

Proposed new water pipe, approx location

Asphalt road

Provide inlet protection (2/41)

Match Line (See Sheet 15)

Repair road pavement at end of construction

Construction limits and utility corridor for installation of 48" steel main

Existing chain link fence to be removed and replaced in construction area

Construction Area Limits

Replace all removed or damaged pavement to match existing

Park boundary

Restore gravel road to match existing

Proposed construction entrance, 20' wide, 50' long. 6" - 2" crushed rock, placed over landscape fabric, 8" deep.

Existing fence and gate to be removed in construction area. Vehicle gate to be replaced after construction. Provide double person/dog gate, (See detail 1/---)

Existing chain link fence

Set aside retaining wall blocks during construction and replace after construction

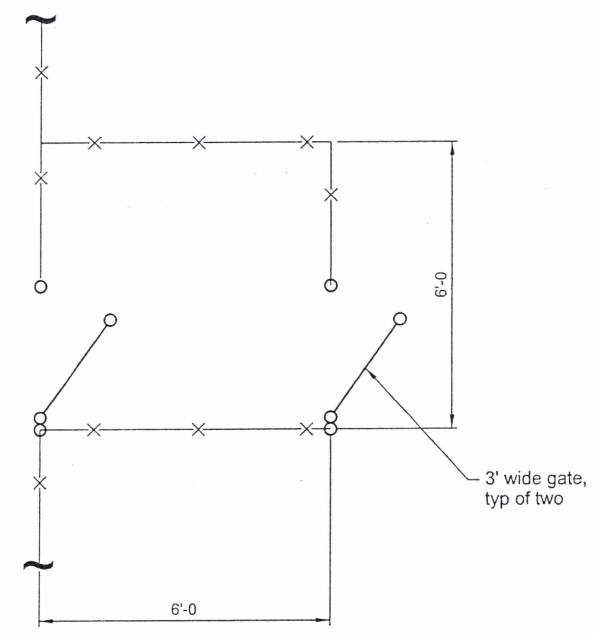
OS

OSc

25' OSc Transition Area

SE Lincoln Dr

Note:
1. This sheet does not show finished landscaping.
2. Replant unpaved disturbed areas per sheet 43 and landscaping sheet 53.



1/--- New Double Gate at Northwest Dog Off-Leash Area Entrance
NTS

0 10 20
scale in feet

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PORTLAND WATER BUREAU
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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Proposed Work
Work Area 2

Site Plan Sheet

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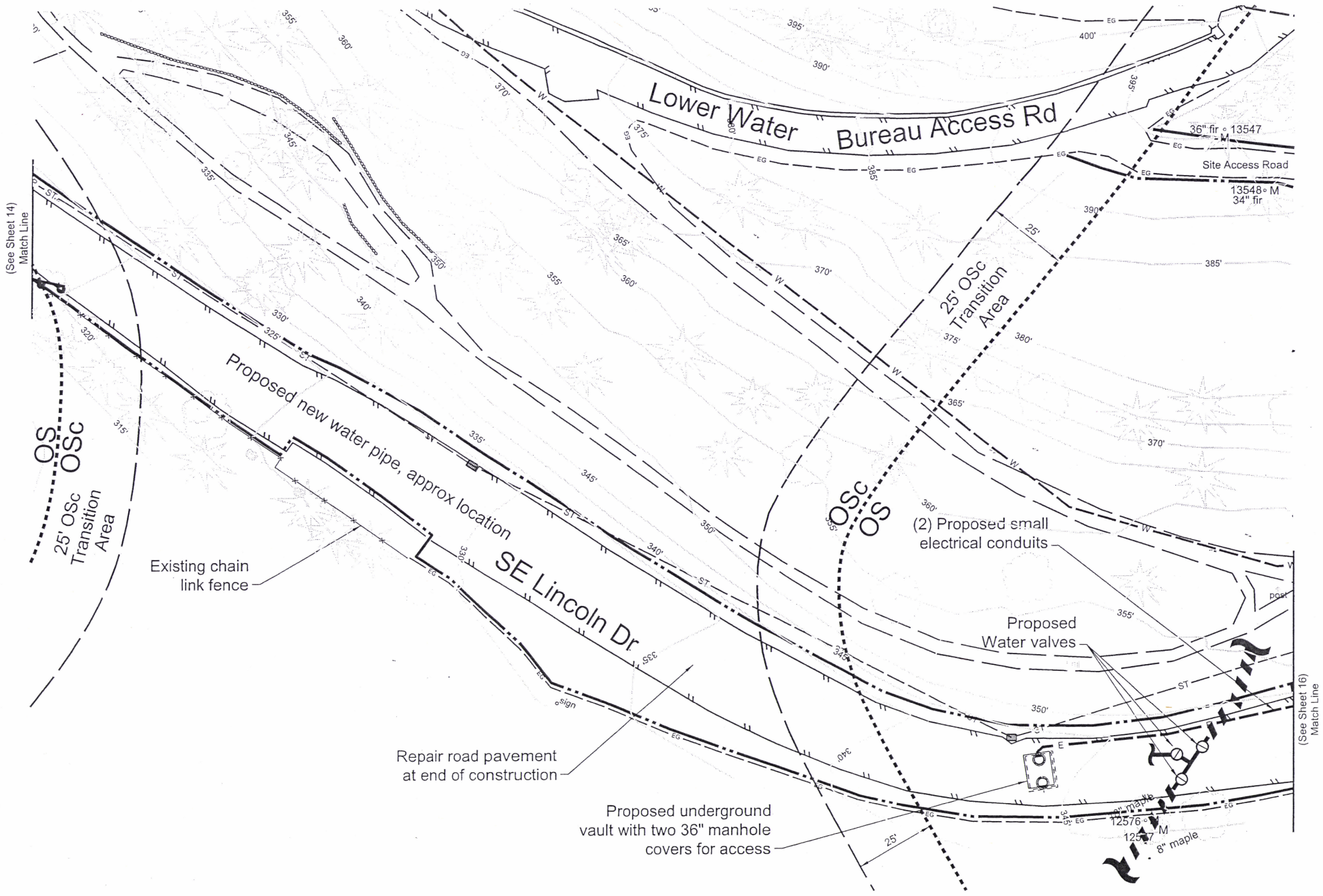

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Note:
1. This sheet does not show finished landscaping.

Land Use Review Application
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PORTLAND WATER BUREAU
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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Proposed Work
Work Area 3

Site Plan Sheet

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OS

Existing water main to be plugged

Replant unpaved disturbed areas per landscape sheet 44

Existing large pipe, location approx.

Construction Area Limits

(2) Proposed electrical conduits

SE Lincoln Dr

8" CSP

Existing building

Replant unpaved disturbed areas per landscape sheet 44

Construction Area Limits

Repair road pavement at end of construction

Proposed new water line Approximate location

New valve

Construction Area Limits

AC

Existing retaining wall

Existing large pipe, location approx.

AC

Construction Area Limits

(See Sheet 15) Match Line

OS

Note:
1. This sheet does not show finished landscaping.

0 5 10 scale in feet

Land Use Review Application
Exhibit No.

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Project Mgr		Date	

PORTLAND WATER BUREAU
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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Proposed Work
Work Area 4

Site Plan Sheet

SAP Project No
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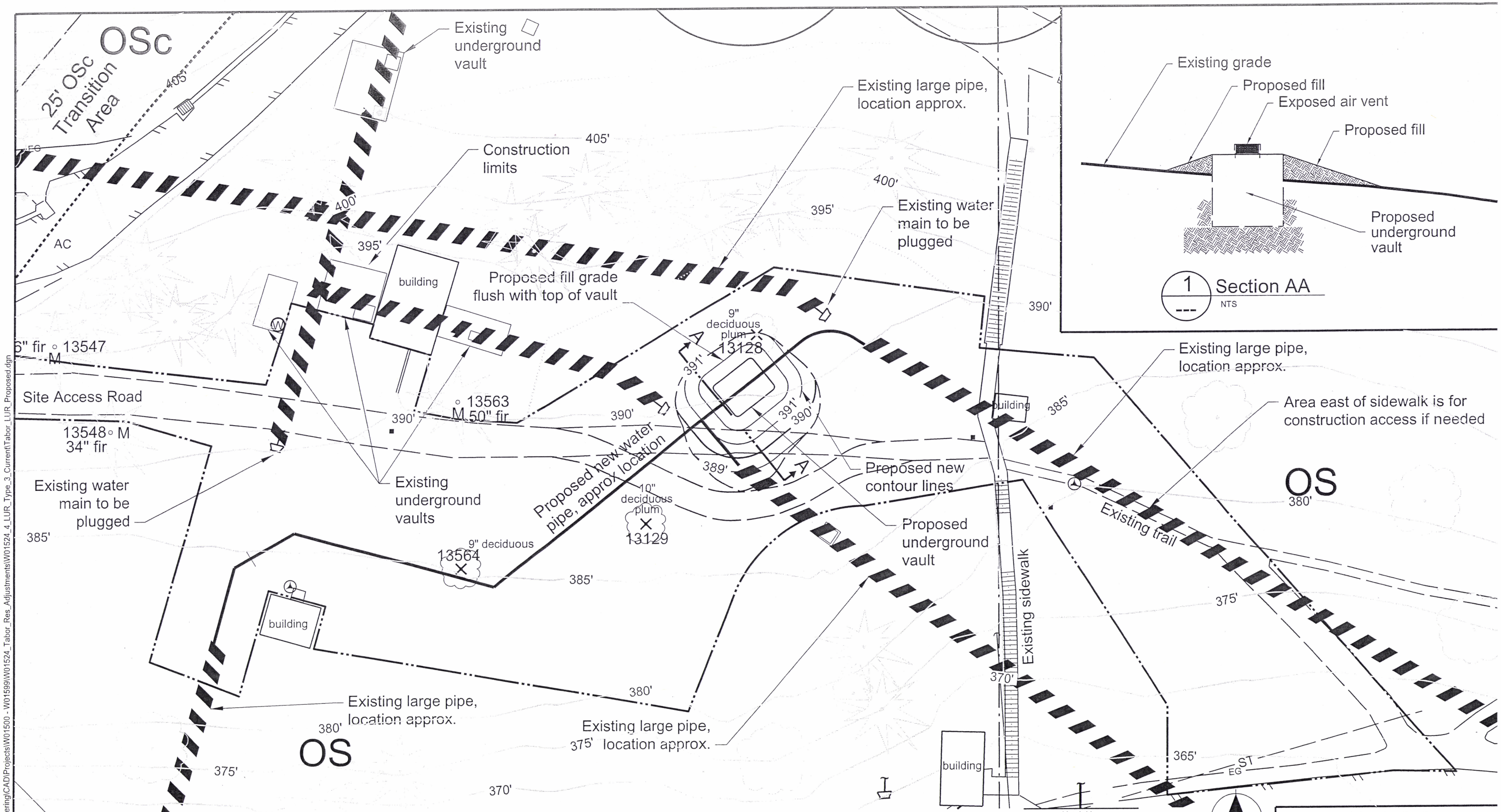

Note:
1. This sheet does not show finished landscaping.

Land Use Review Application
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PORTLAND WATER BUREAU
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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments
Proposed Work
Work Area 5

Site Plan Sheet

SAP Project No W01524
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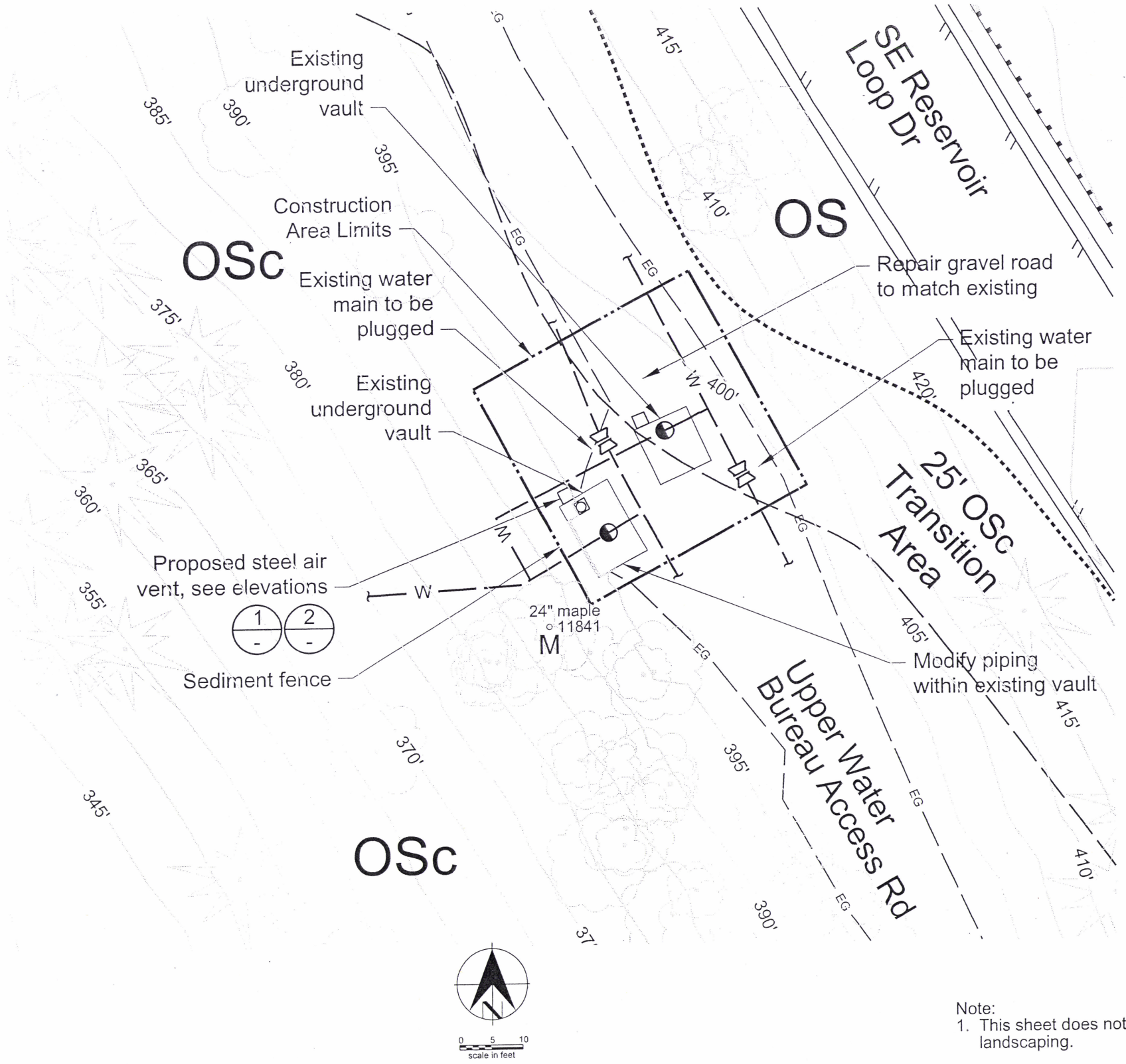
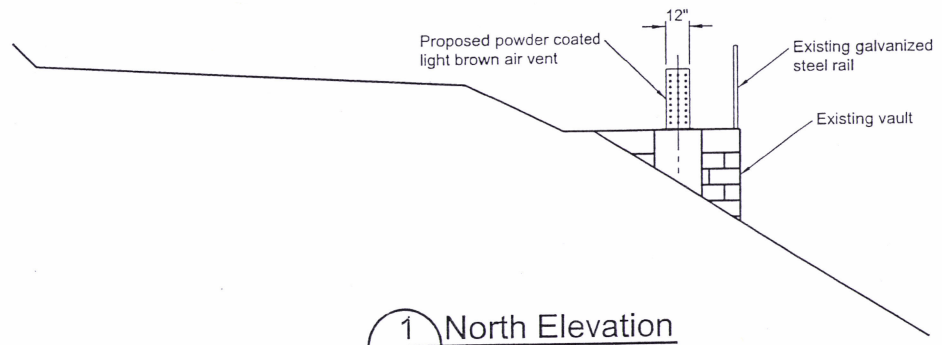
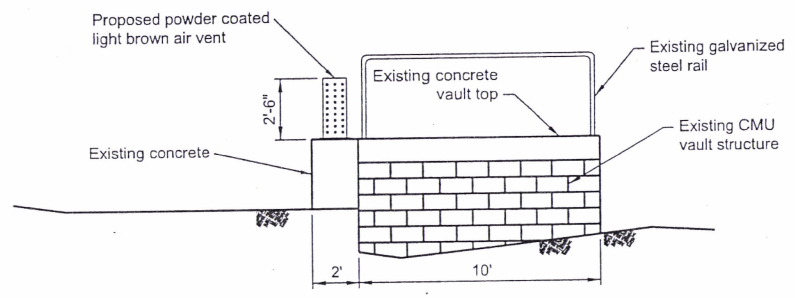


Note:
1. This sheet does not show finished landscaping.



1 -- North Elevation
Scale: ¼" = 1'-0"



2 -- West Elevation
Scale: ¼" = 1'-0"

Land Use Review Application
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PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Proposed Work
Work Area 6

Plan Sheet

SAP Project No: W01524
1/4 Section
Sheet No: 18 of 53

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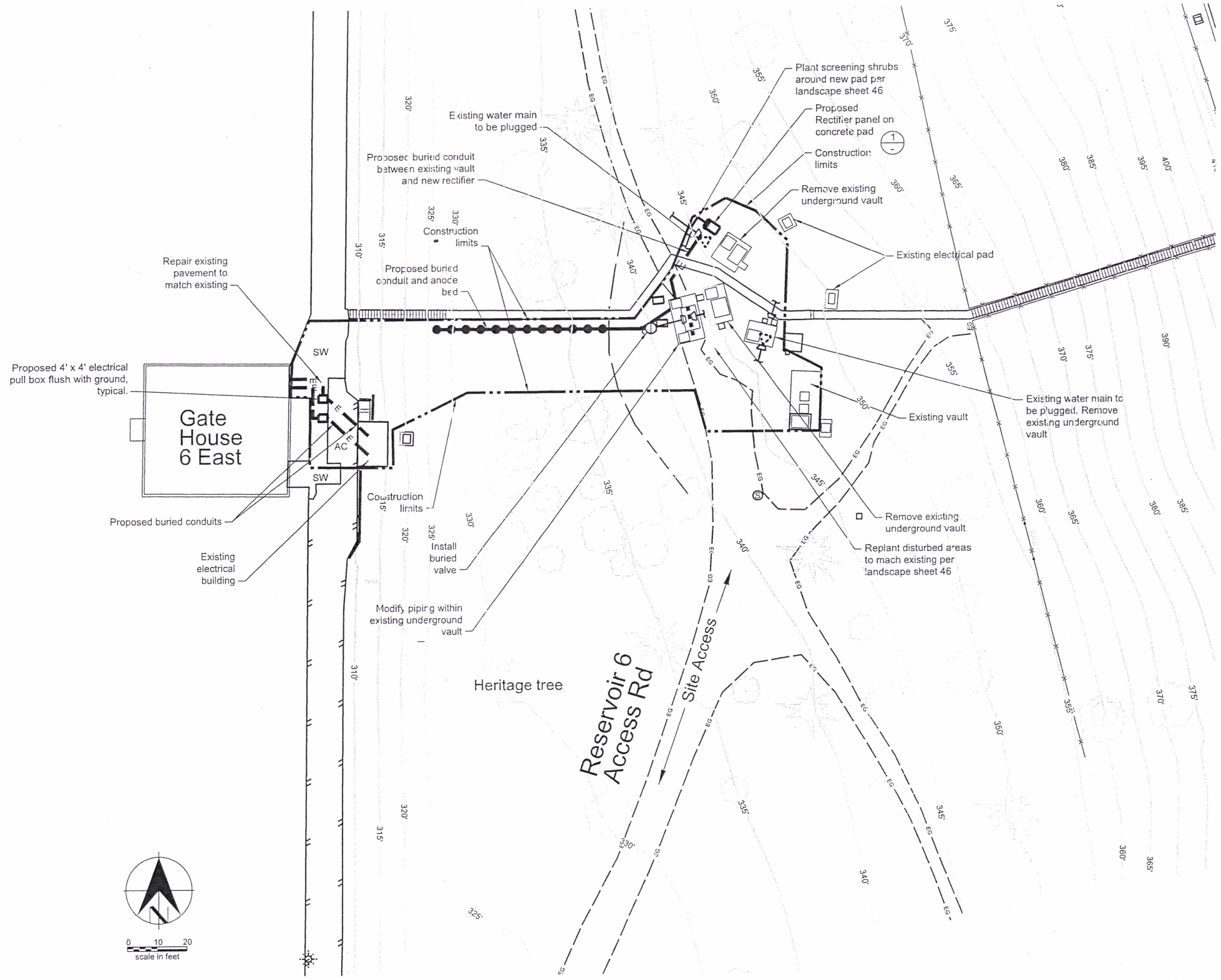

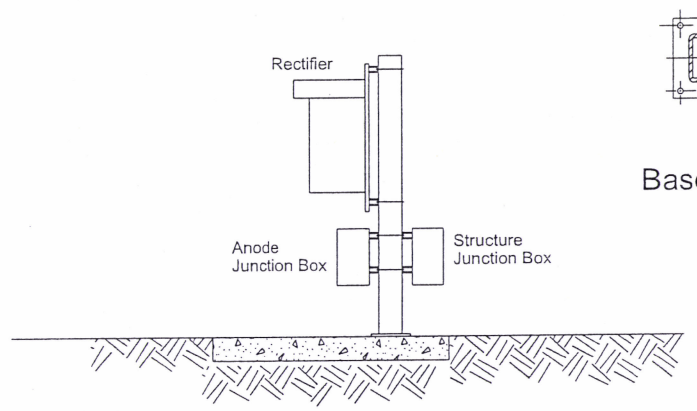

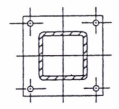

Base Plate

1 -- Pad and Enclosure Elevation
NTS

Note:
1. This sheet does not show finished landscaping.

Land Use Review Application
Exhibit No.

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Revision			

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PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Proposed Work
Work Area 7

Site Plan Sheet

SAP Project No
W01524
1/4 Section

Sheet No
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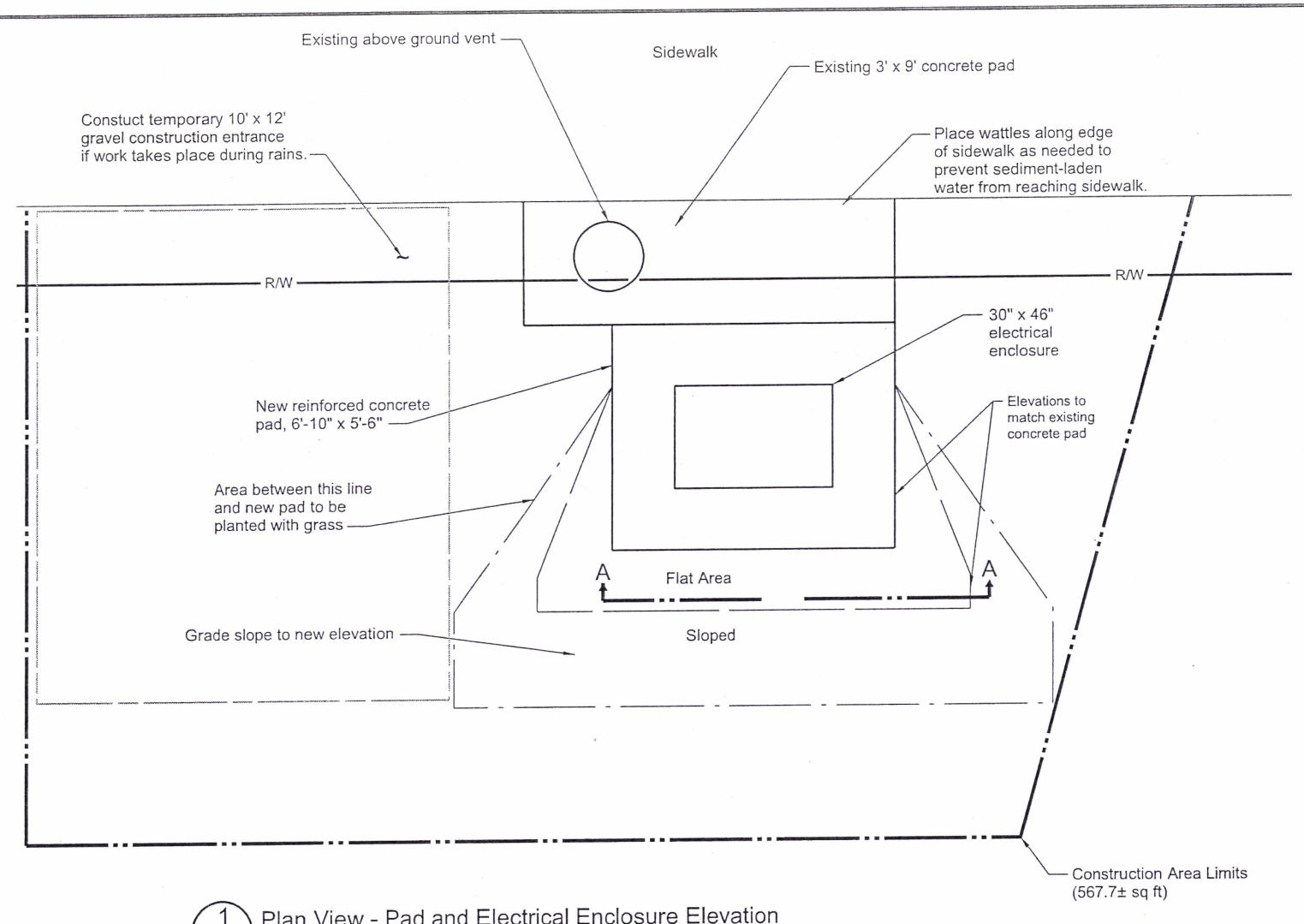
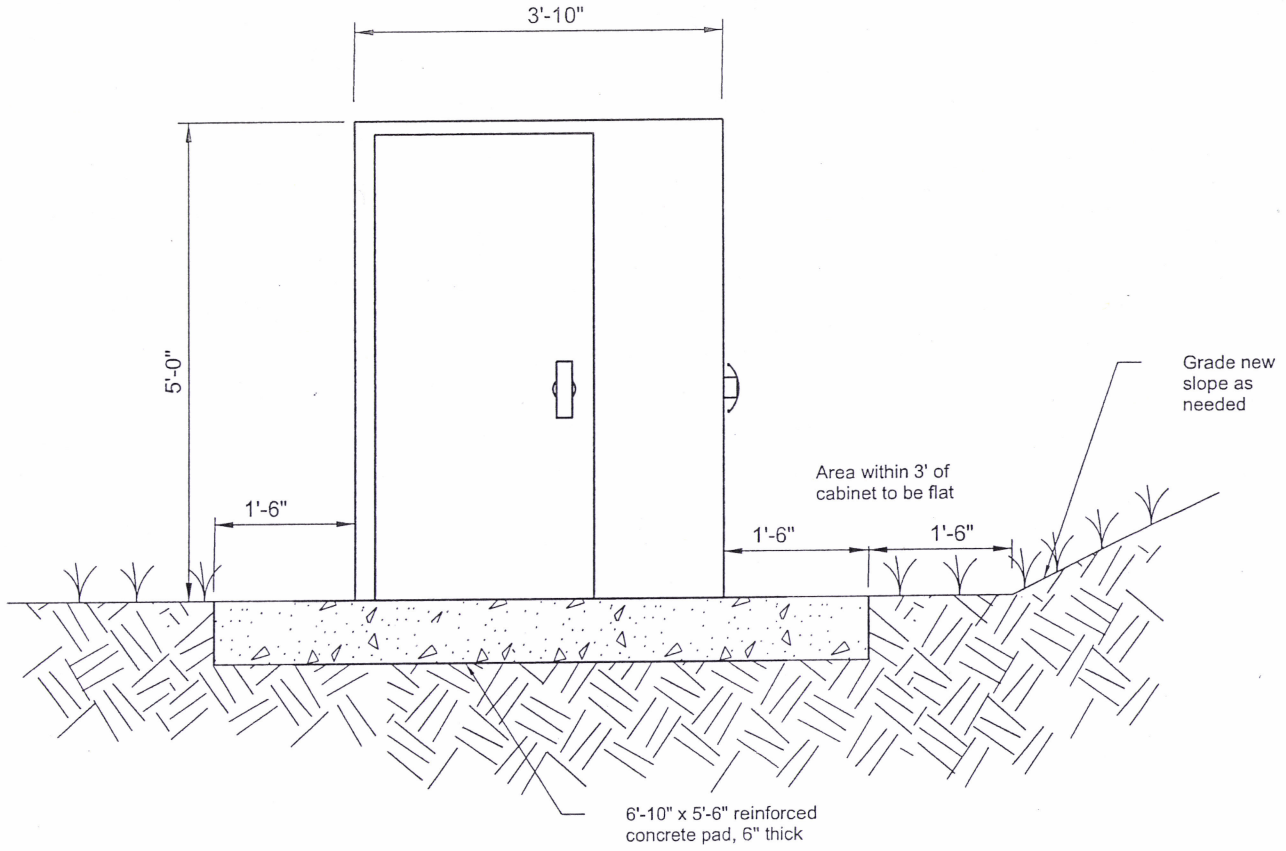
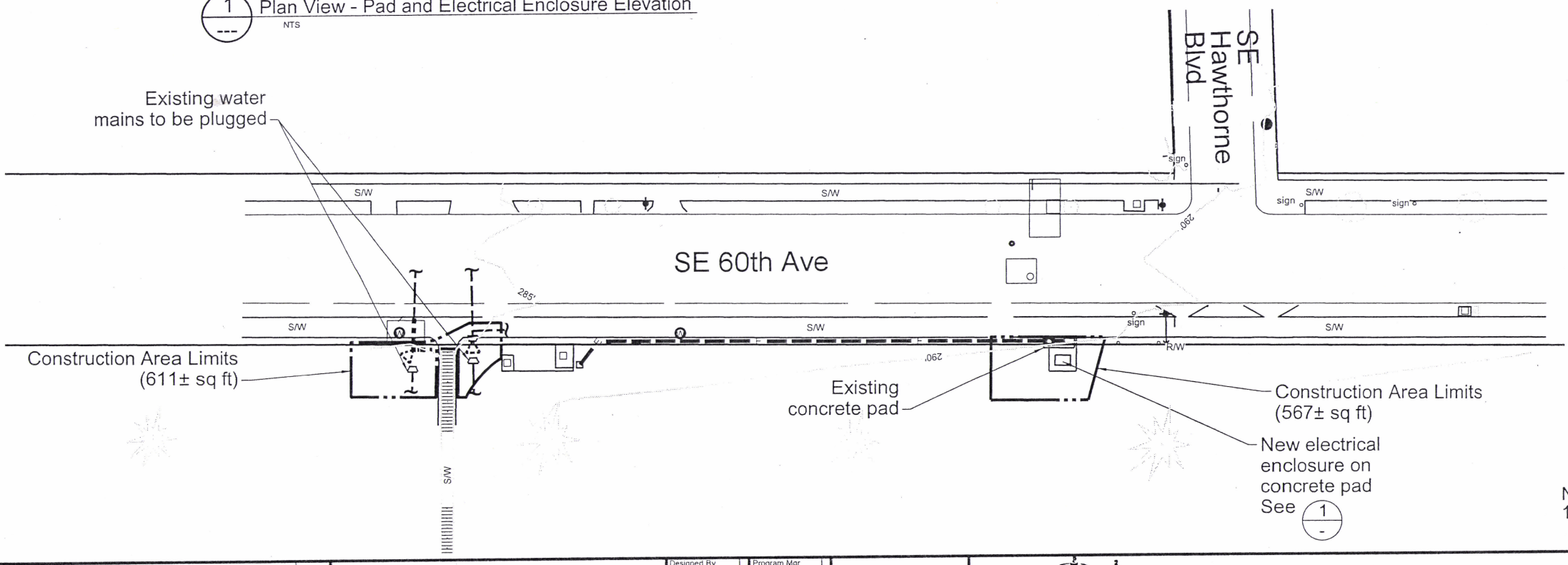


1 Plan View - Pad and Electrical Enclosure Elevation
NTS



1. Elevation View - Pad & Enclosure
NTS



0 10 20
scale in feet

Note:
1. This sheet does not show finished landscaping.

Land Use Review Application
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PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Proposed Work
Work Area 8

Site Plan Sheet

SAP Project No	
W01524	
1/4 Section	
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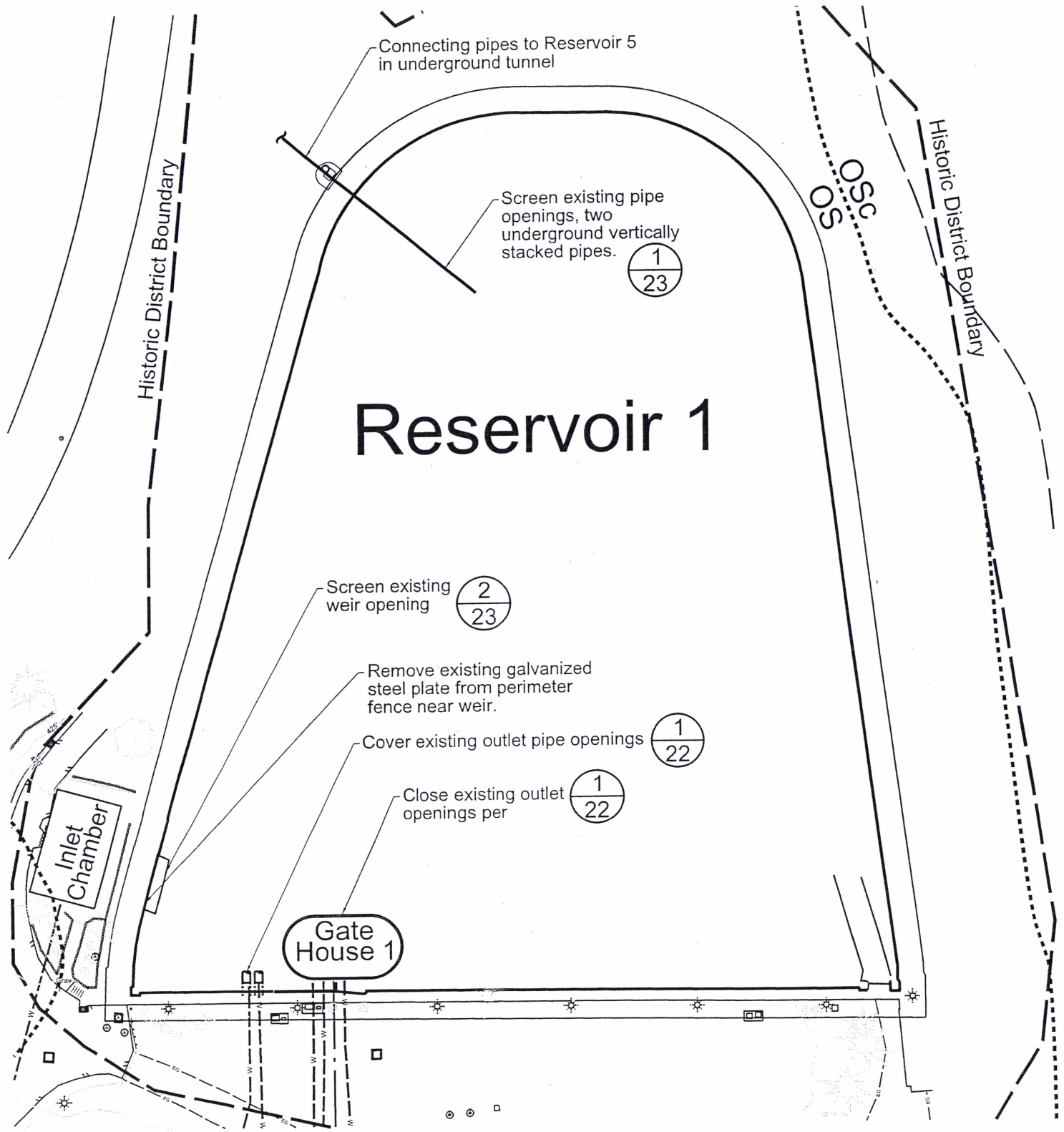

Note:
1. Disturbance area will be confined to the reservoir itself.

Land Use Review Application
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PORTLAND WATER BUREAU
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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Proposed Work
Work Area 9 - Reservoir 1

Site Plan Sheet

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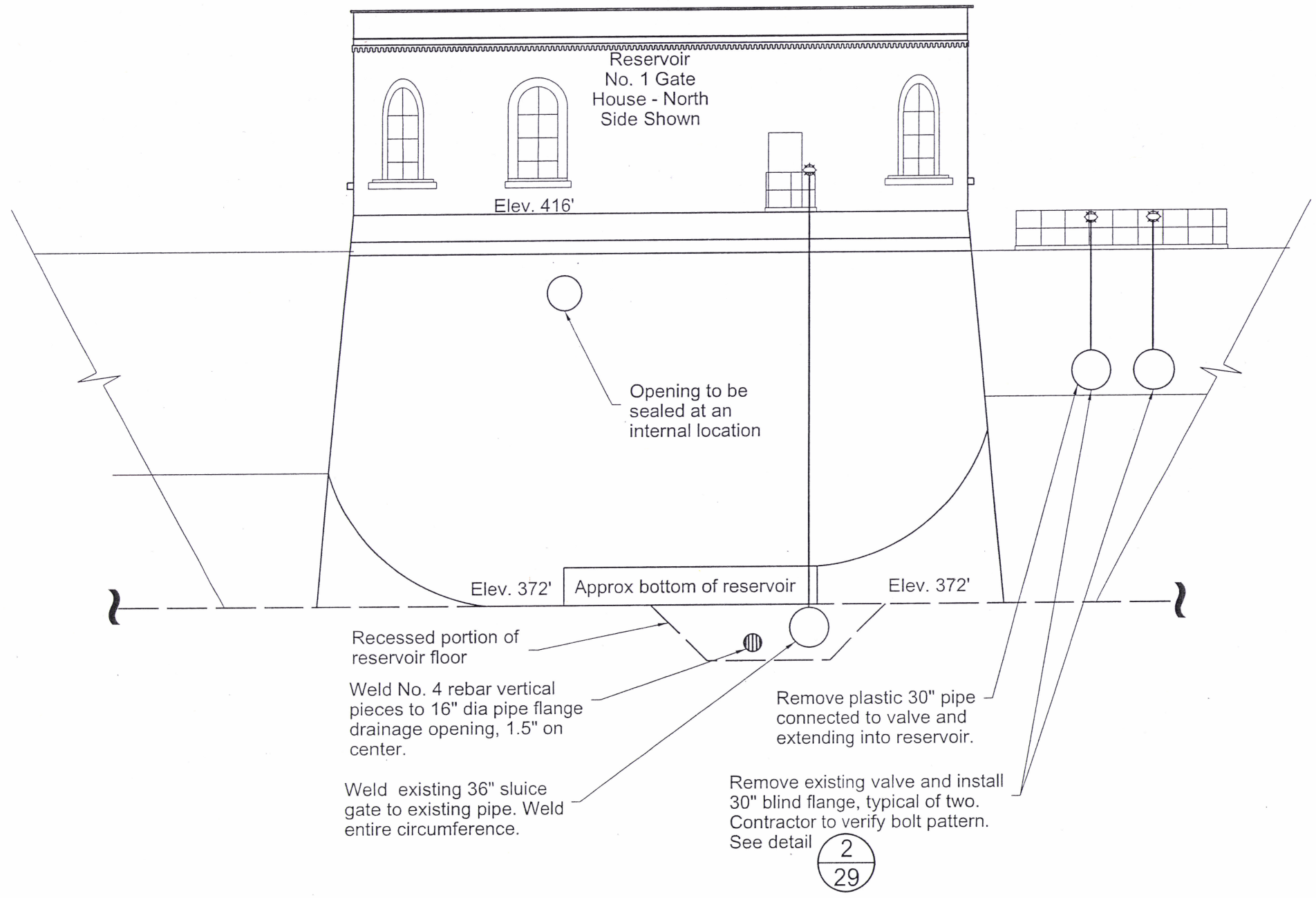

1/--- Elevation of South End of Reservoir 1 and North Side of Gate House

NTS

Land Use Review Application
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		Revision	

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PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments
Proposed Work
Work Area 9 - Reservoir 1
Elevation

SAP Project No
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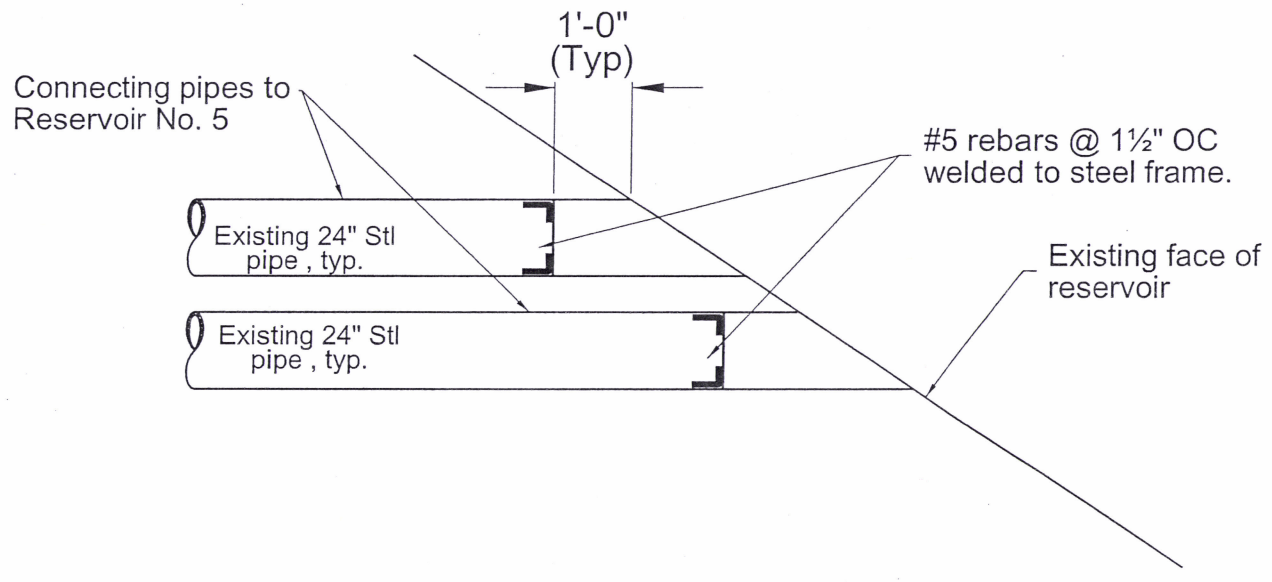
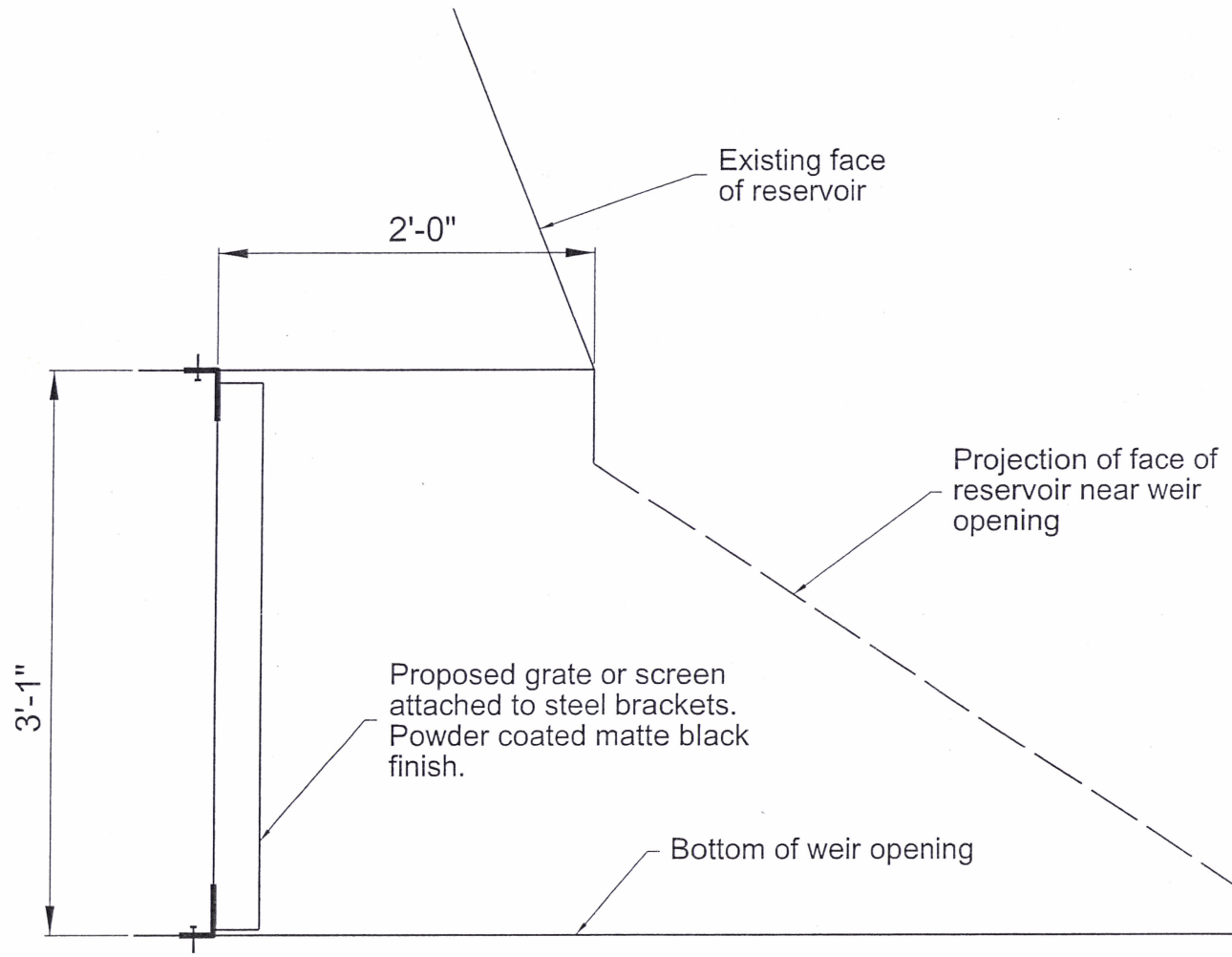


1 Tabor Reservoir No. 1 Pipe Screen
NTS



2 Tabor Reservoir No. 1 Weir Grate
NTS

Land Use Review Application
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PORTLAND WATER BUREAU

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments
Proposed Work
Work Area 9 - Reservoir 1

SAP Project No: W01524
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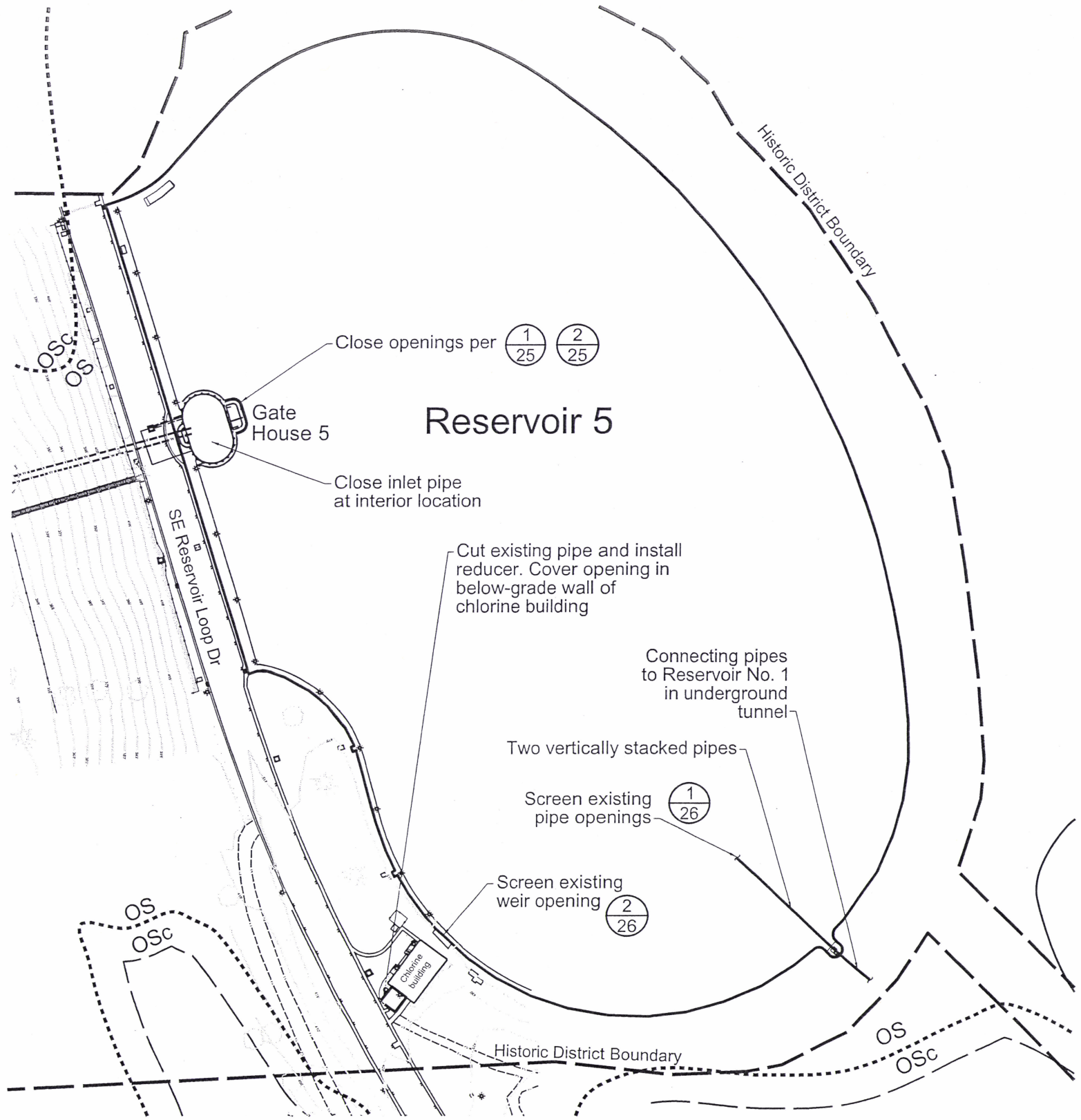

Note:
1. Disturbance area will be confined to the reservoir itself, except for a small area near chlorine building.

0 25 50
scale in feet

Land Use Review Application
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PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Proposed Work
Work Area 10 - Reservoir 5

Site Plan Sheet

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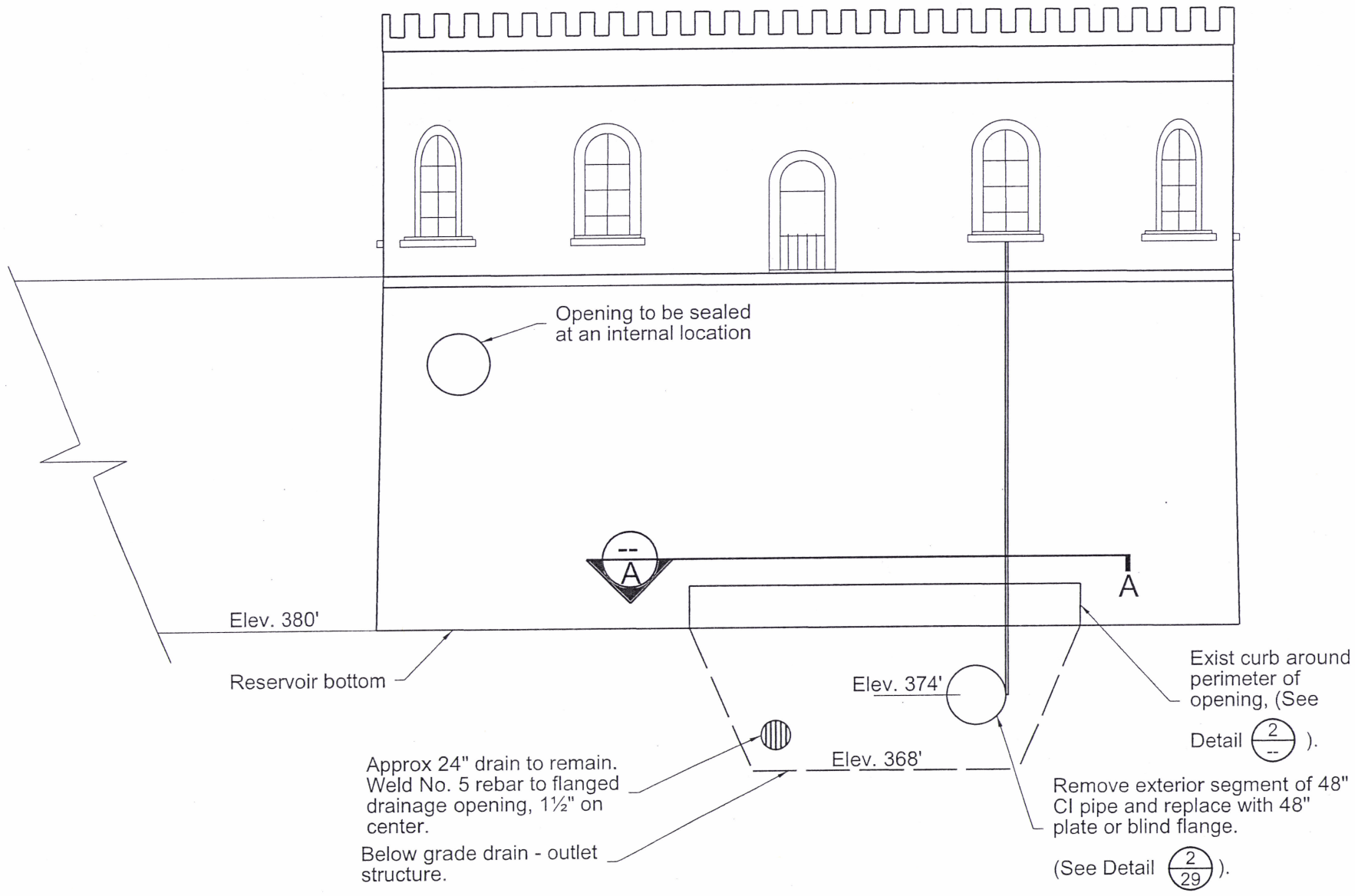
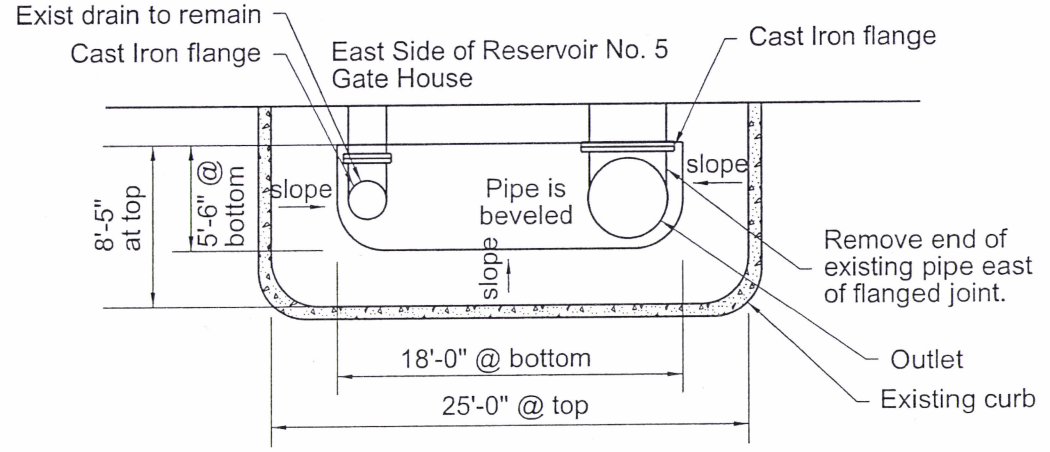


1/--- Elevation of East Side of Tabor Reservoir No. 5 Gate House

NTS



Plan View - Below Grade Drain - Outlet Structure on East Side of Reservoir No. 5 Gate House

2/--- Section AA

NTS

Land Use Review Application
Exhibit No.

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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Proposed Work
Work Area 10 _ Reservoir 5

Elevations and Details

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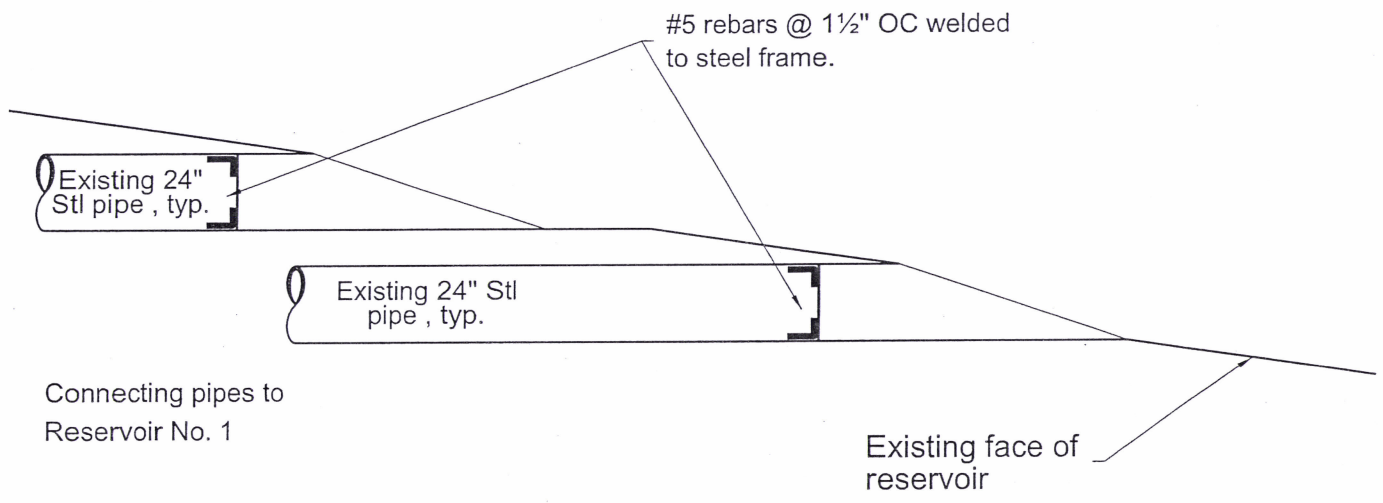
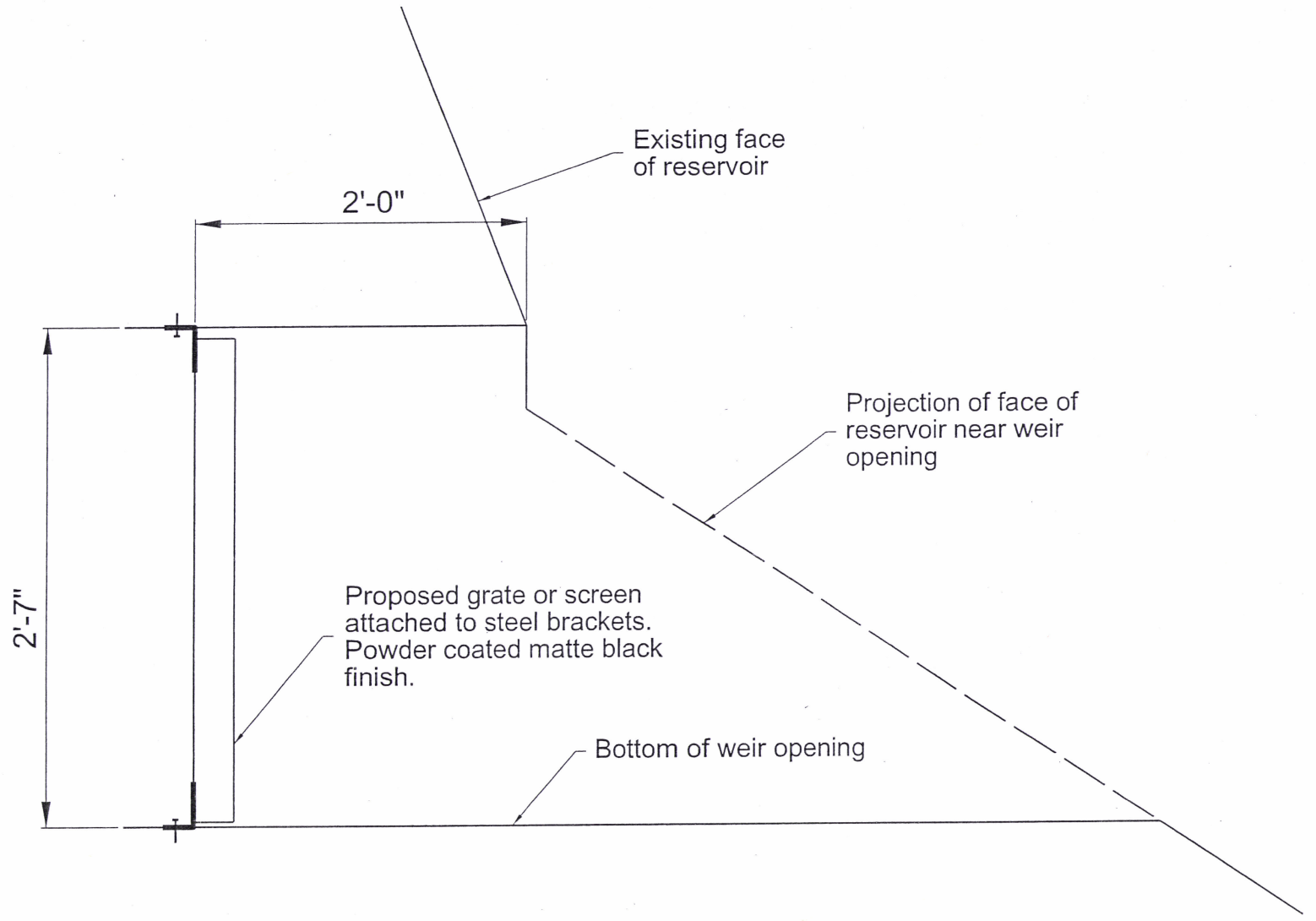


1 Tabor Reservoir No. 5 Pipe Screening
--- NTS



2 Tabor Reservoir No. 5 Weir Screening
--- NTS

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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments
Proposed Work
Work Area 10 - Reservoir 5
Details

SAP Project No W01524
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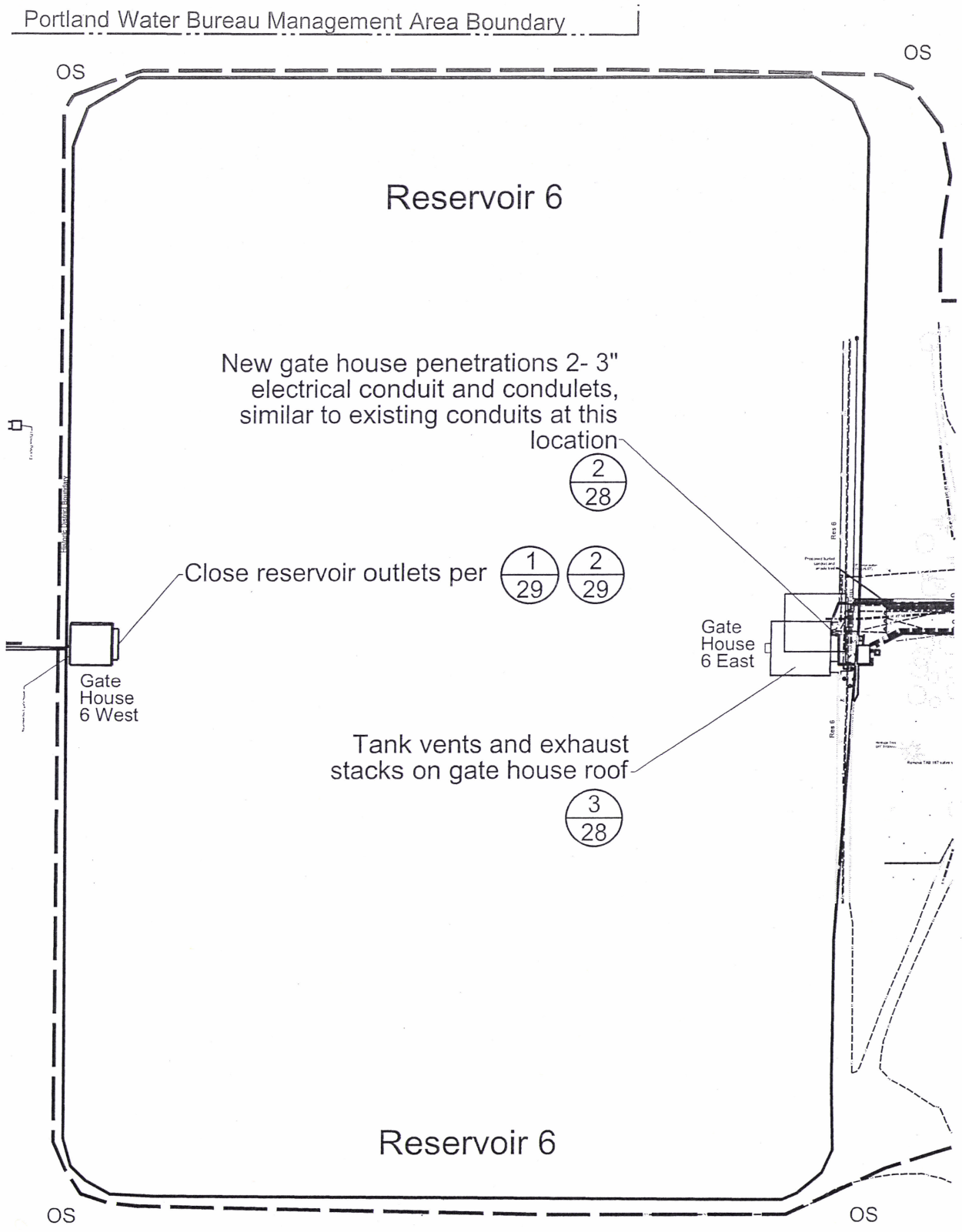

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scale in feet

Land Use Review Application
Exhibit No.

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PORTLAND WATER BUREAU

PRELIMINARY

FROM FOREST TO FAUCET

CITY OF PORTLAND, OREGON 1851

Land Use Review Application
Tabor Reservoir Adjustments

Proposed Work
Work Area 11 - Reservoir 6

Site Plan Sheet

SAP Project No
W01524
1/4 Section

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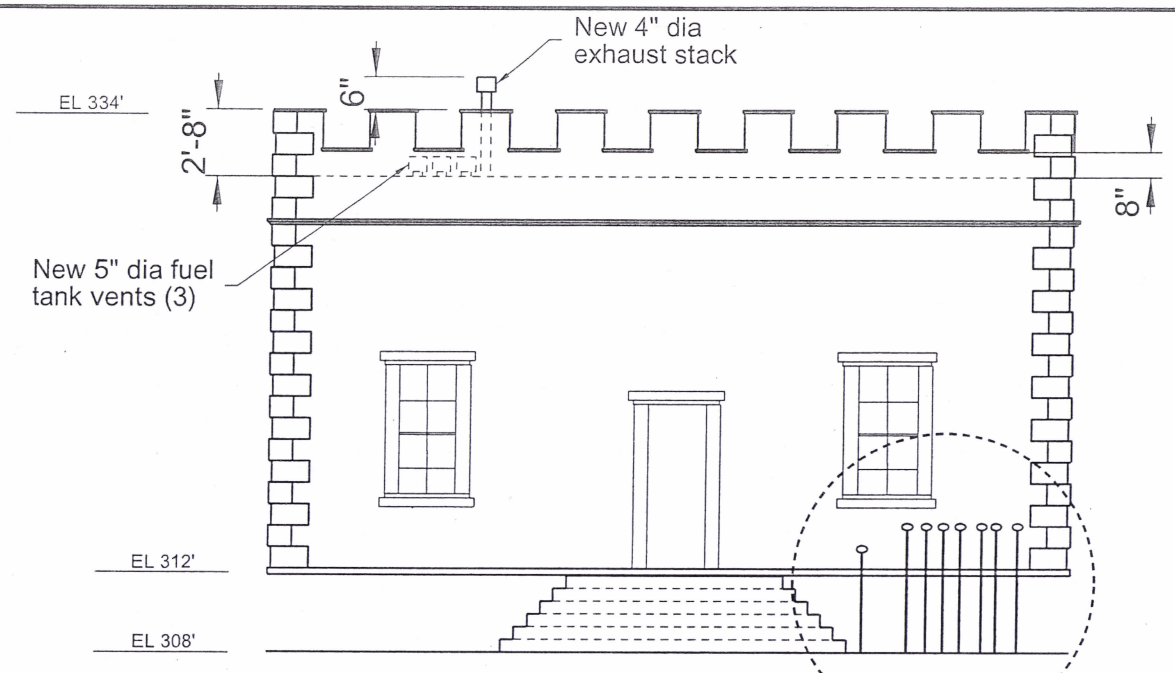
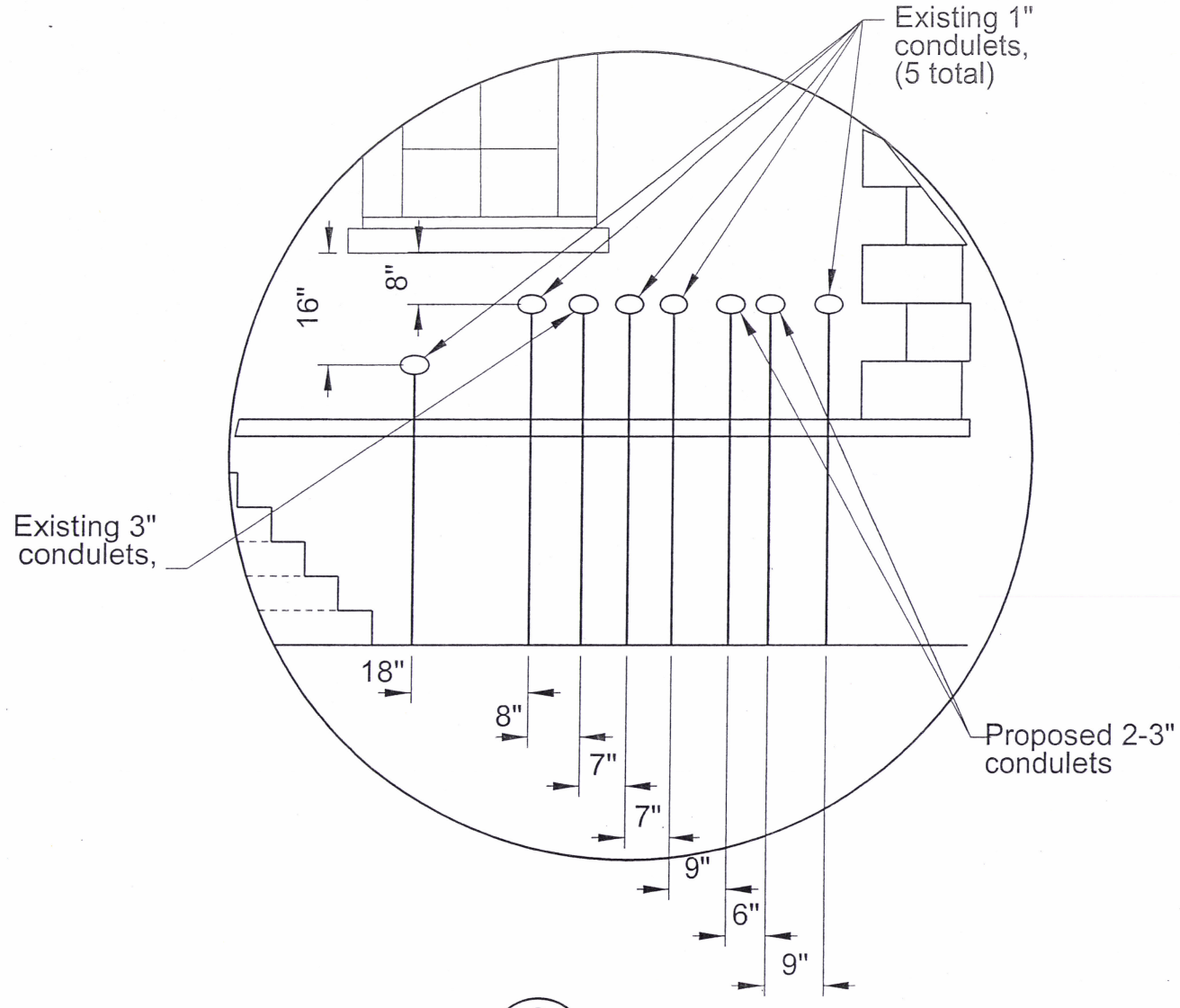
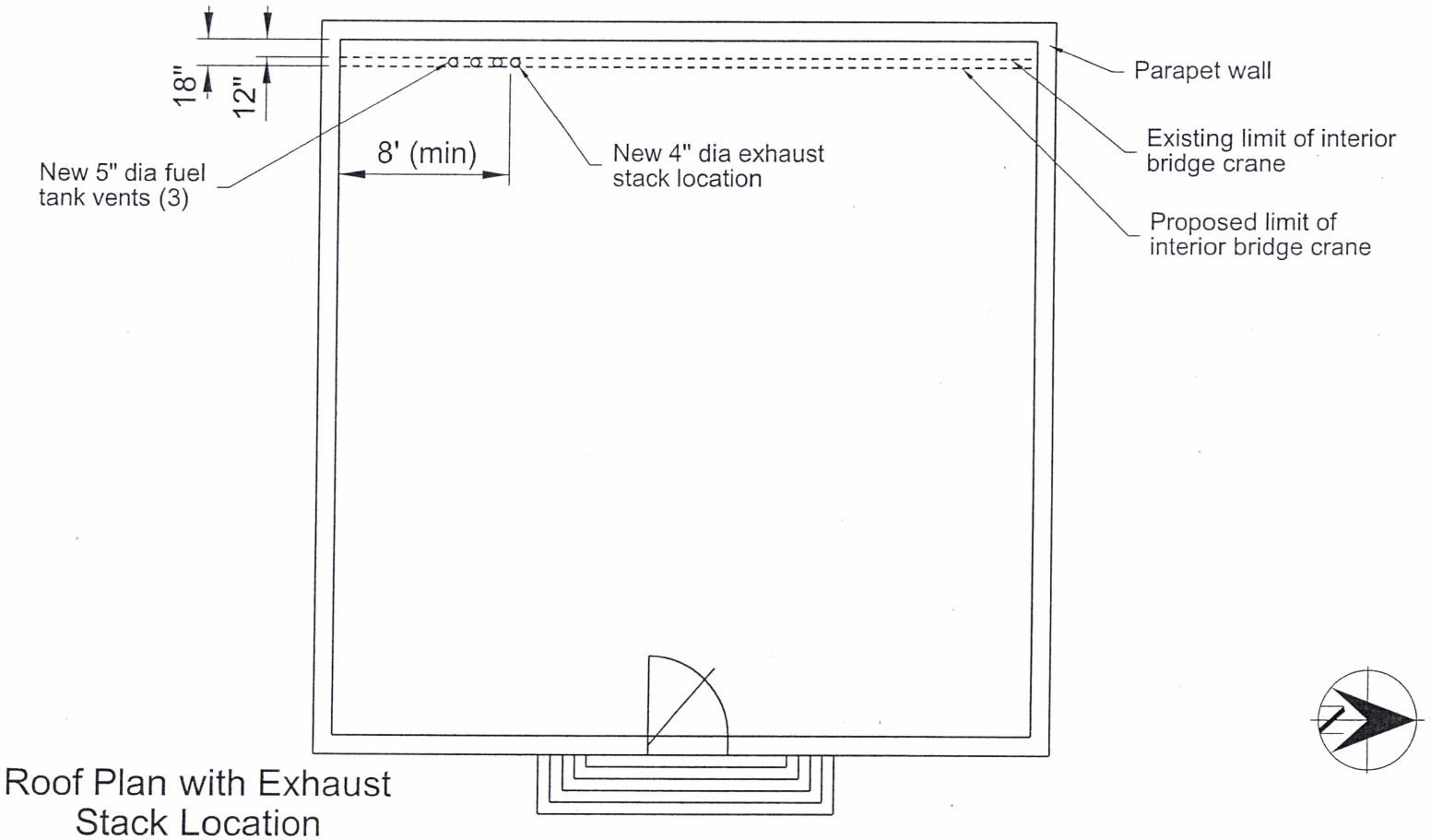


1 / --- Elevation of East Side of Gate House No. 6 East
NTS

(See Detail 2 / ---)



2 / --- Detail
NTS



3 / --- Roof Plan with Exhaust Stack Location
NTS

Land Use Review Application
Exhibit No.

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Revision			

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PORTLAND WATER BUREAU

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments
Proposed Work
Work Area 11 - Reservoir 6

SAP Project No: W01524
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Sheet No: 28 of 53

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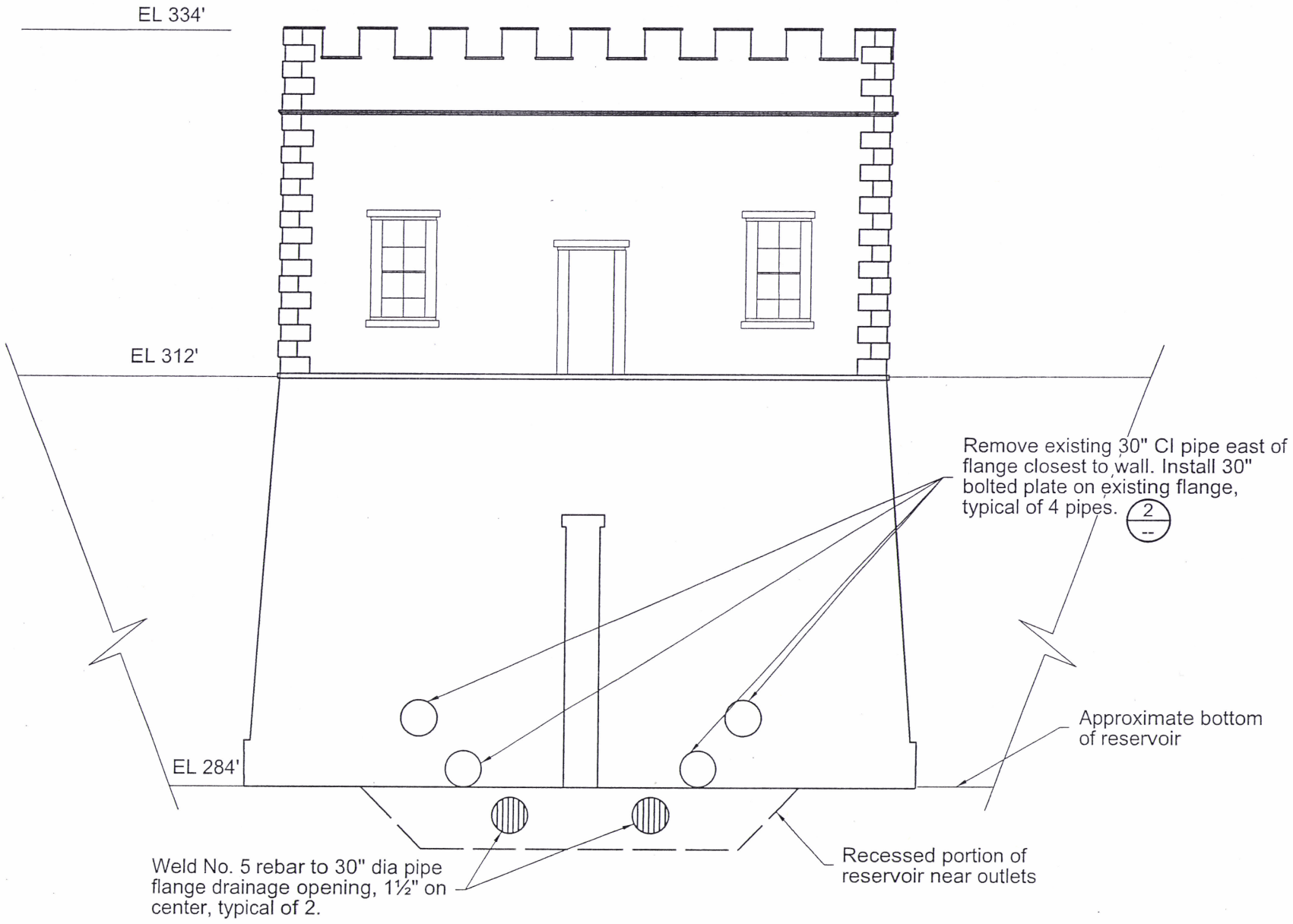
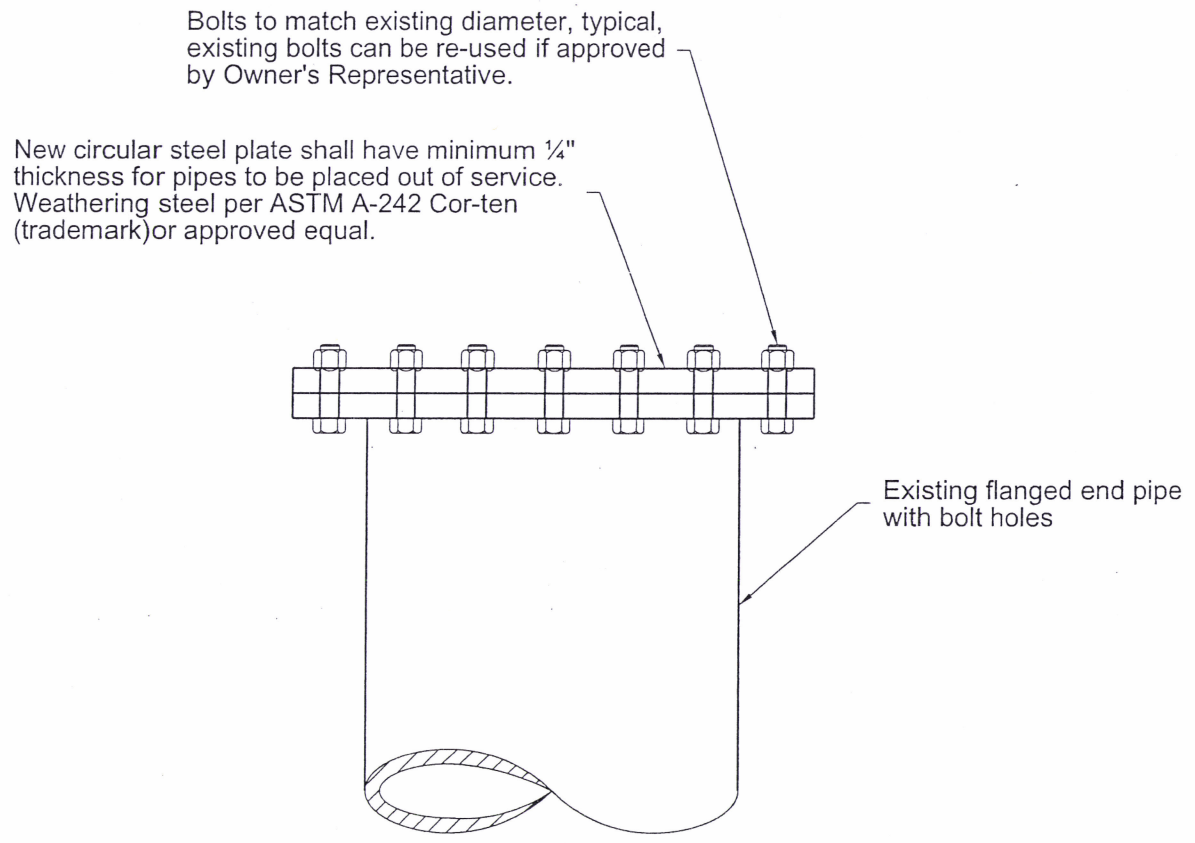


1 / --- Elevation of East Side of Gate House No. 6 West
NTS



Note:
1. Contractor to verify existing bolt hole pattern.

2 / --- Typical Detail for Bolted Plate Closure of Flanged Pipes to be Placed Out of Service
NTS

Land Use Review Application
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PORTLAND WATER BUREAU

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments
Proposed Work
Work Area 11 - Reservoir 6

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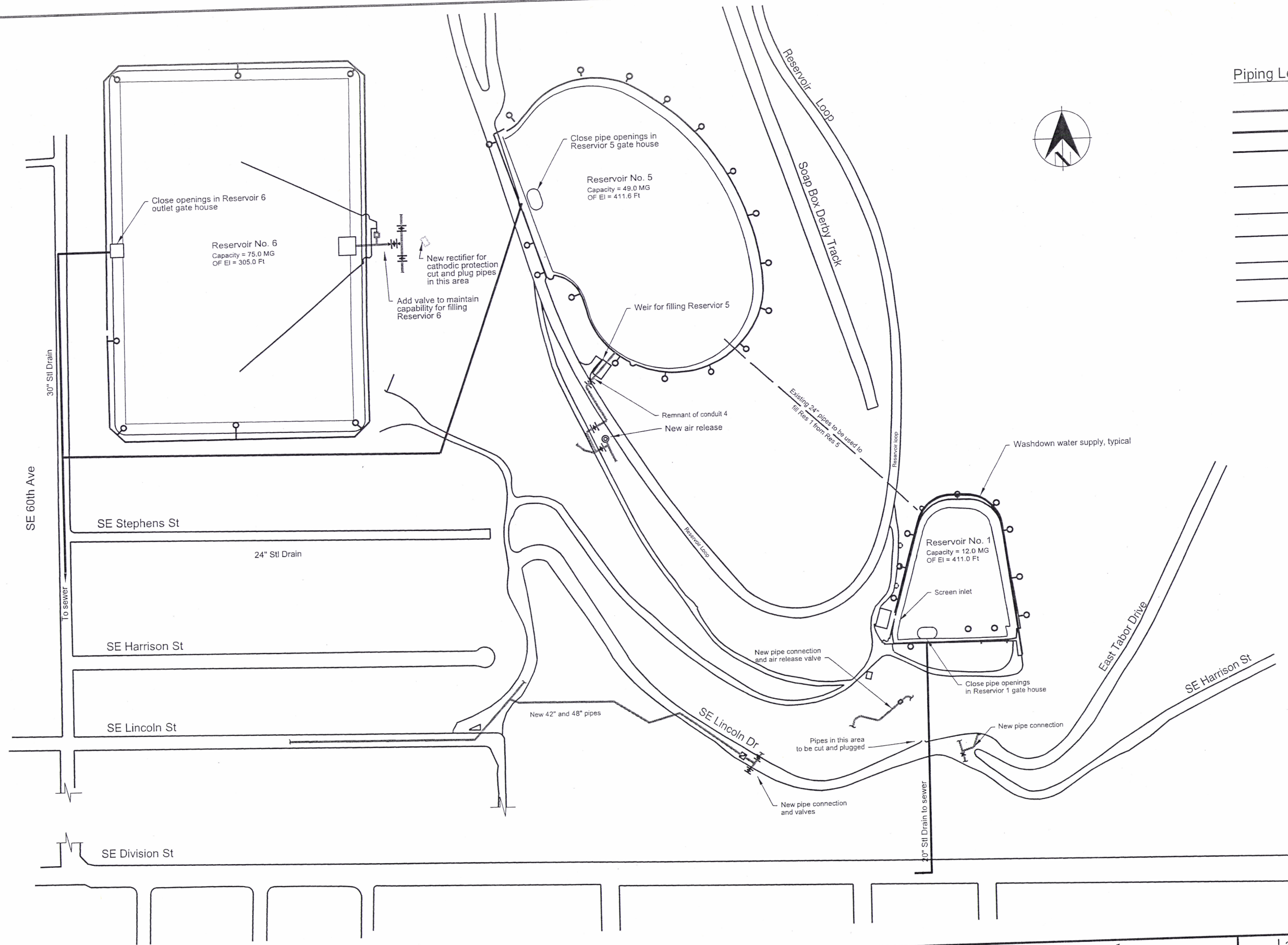

Piping Legend

- New pipes
- Drain
- Washdown and fountain supply pipes, non-potable water
- Butterfly Valve
- Valve
- Blowoff
- Hydrant
- Reducer
- Pressure Regulator
- Air Release
- OF — Overflow
- MG — Million Gallons

Land Use Review Application
Exhibit No.

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PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

CITY OF PORTLAND, OREGON 1851

Land Use Review Application
Tabor Reservoir Adjustments

Schematic of Proposed Work With Reservoir Fill Pipes, Including Res 5 to Res 1 Pipe, and Wash Down Pipes

Areas of New Construction

SAP Project No
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1/4 Section

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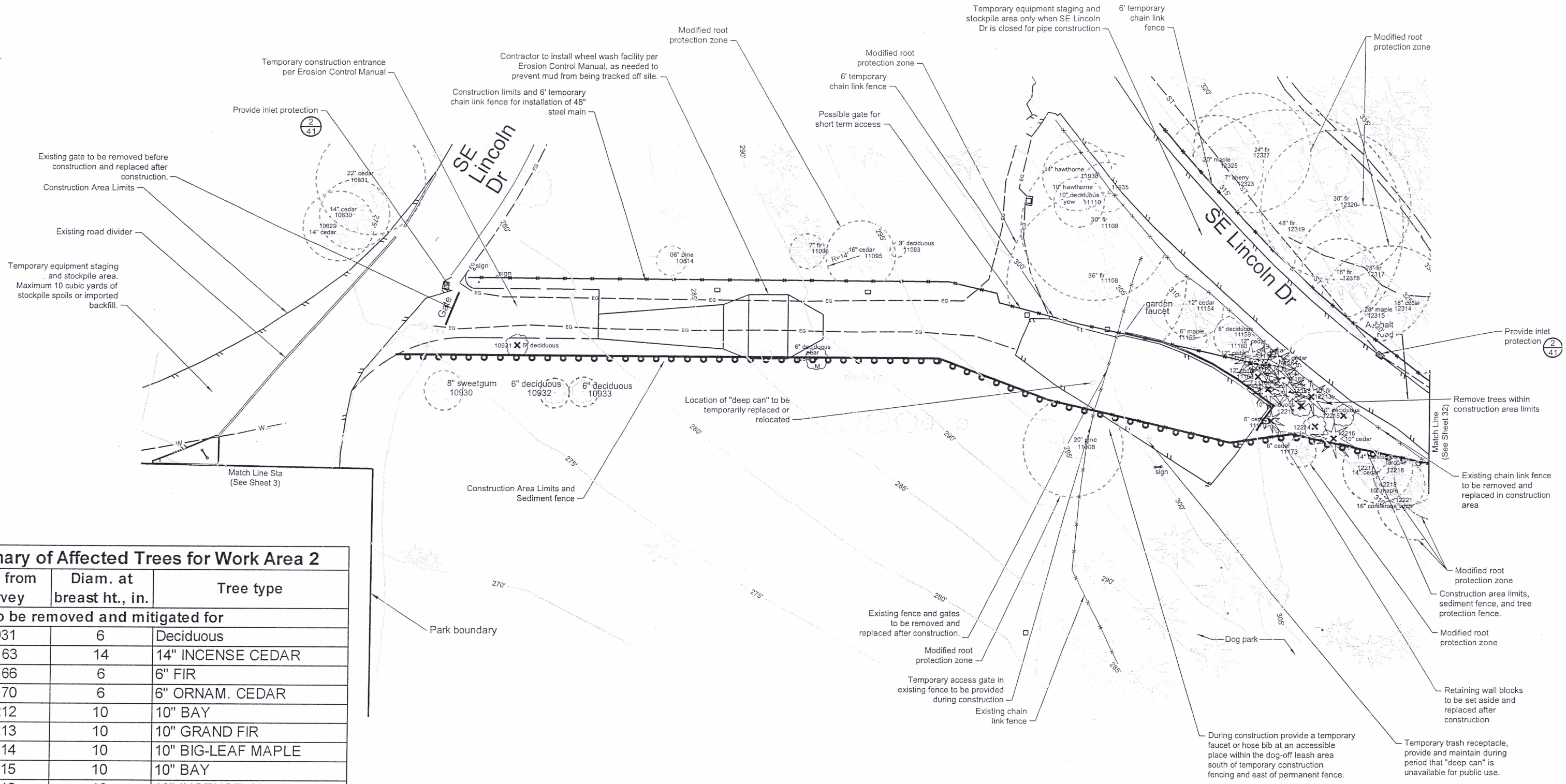

Summary of Affected Trees for Work Area 2

ID No. from Survey	Diam. at breast ht., in.	Tree type
Trees to be removed and mitigated for		
10931	6	Deciduous
11163	14	14" INCENSE CEDAR
11166	6	6" FIR
11170	6	6" ORNAM. CEDAR
12212	10	10" BAY
12213	10	10" GRAND FIR
12214	10	10" BIG-LEAF MAPLE
12215	10	10" BAY
12216	10	10" INCENSE CEDAR
Trees to be left and protected, but to be mitigated for because of potential damage		
10947	6	PEAR
11160	12	12" INCENSE CEDAR
11161	12	12" INCENSE CEDAR
11162	12	12" INCENSE CEDAR
11164	14	14" INCENSE CEDAR

Note:
1. Repair pavement and gravel roads to match existing.
2. Stumps to be ground 18"below grade, unless this would cause damage to roots that appear to be from living, remaining trees, in which case grinding to a shallower depth or to ground surface will be allowed.
3. Replant unpaved, un- graveled, disturbed areas per Landscaping sheets 43 and 53.
4. If root greater than 2" diameter encountered, arborist must inspect and approve before proceeding.

Land Use Review Application
Exhibit No.

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		Revision	

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Project Mgr		Date	

PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments
Construction Management
Work Area 2
Site Plan Sheet

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1/4 Section
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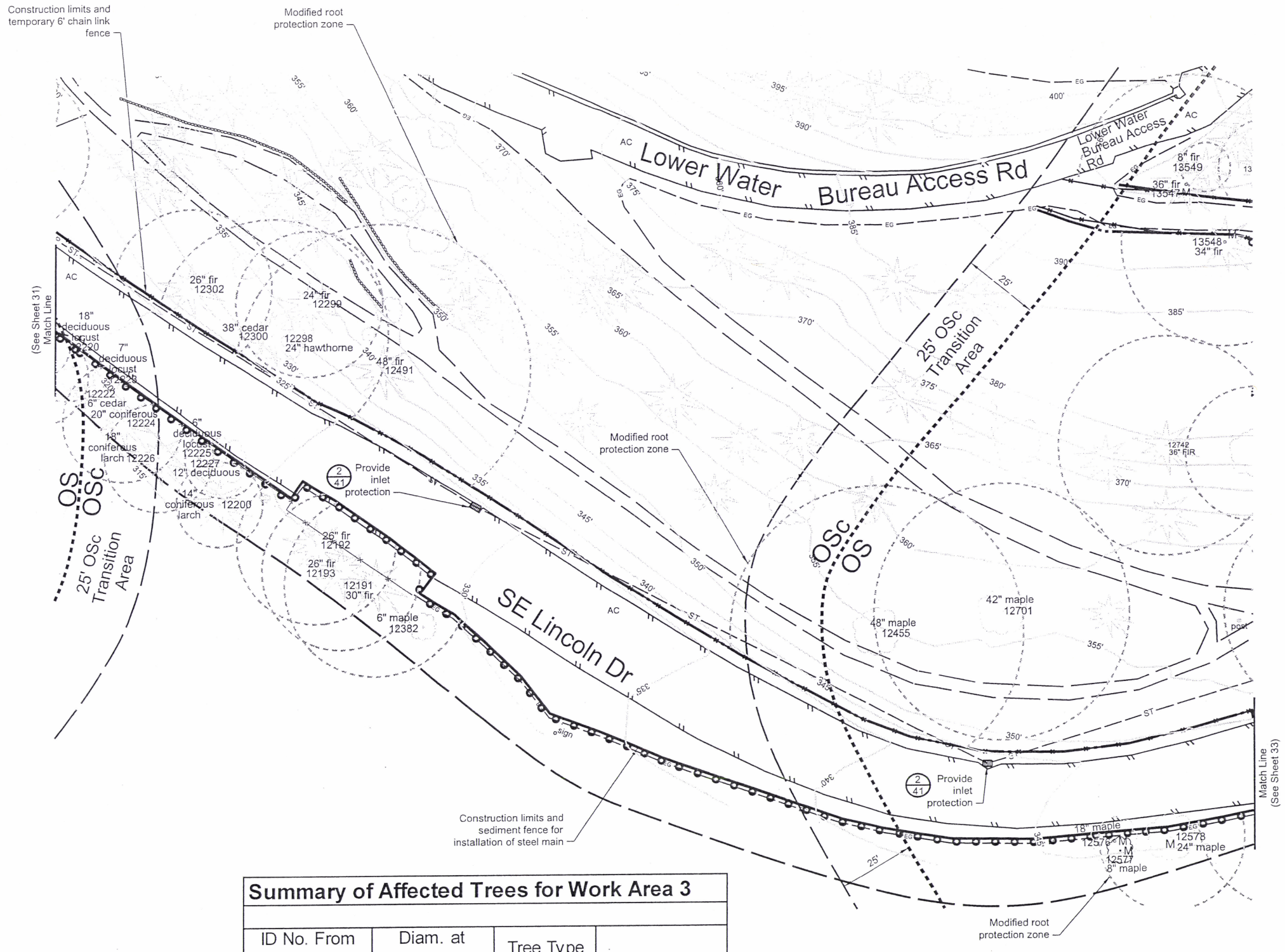

Summary of Affected Trees for Work Area 3

ID No. From Survey	Diam. at Breast Ht., in.	Tree Type	
Trees to be removed and mitigated for			
none			
Trees to be left and protected, but to be mitigated for because of potential damage			
12576 and 12577	26	Big-leaf Maple	
12578	24	Big-leaf Maple	

Note:
1. Repair pavement and gravel roads to match existing.
2. If root greater than 2" diameter encountered, arborist must inspect and approve before proceeding.

Land Use Review Application
Exhibit No.

No	Date	Description	Appd
Revision			

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Checked By | Design Supvr
Project Mgr | Date
B&W

September 2014

PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Construction Management, Work Area 3

Site Plan Sheet

SAP Project No W01524
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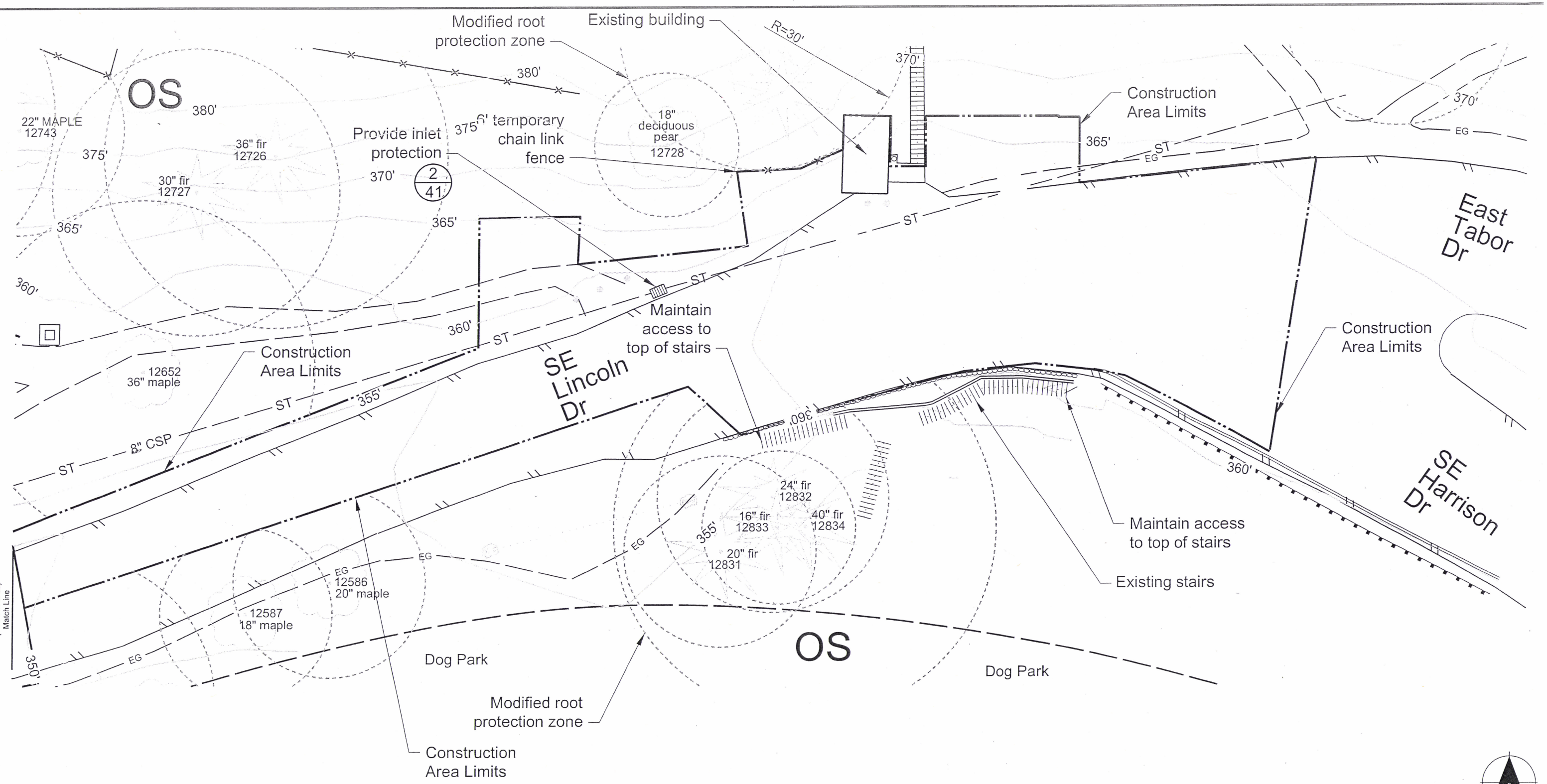

Note:
1. No trees removed in work area.
2. Repair pavement and gravel roads to match existing.
3. Replant unpaved, un- graveled, disturbed areas per Landscaping sheets 44 and 53.
4. If root greater than 2" diameter encountered, arborist must inspect and approve before proceeding.

Land Use Review Application
Exhibit No.

No	Date	Description	Appd
		Revision	
Survey	Mon / Yr	XXXX	

September 2014

Designed By		Program Mgr	
CAD Checked By	BRW	Const Mgr	
Checked By		Design Supvr	
Project Mgr		Date	

PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

CITY OF PORTLAND, OREGON 1851

Land Use Review Application
Tabor Reservoir Adjustments

Construction Management, Work Area 4

Site Plan Sheet

SAP Project No
W01524
1/4 Section

Sheet No
33 of 53

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Summary of Affected Trees for Work Area 5		
ID No. From Survey	Diam. at Breast Ht., in.	Tree Type
Trees to be removed and mitigated for		
13128	9	9" Plum
13129	10	10" Plum
13564	9	plum or crabapple
Trees to be left and protected, but to be mitigated for because of potential damage		
13547	36	36" FIR
13548	34	34" FIR
13563	50	50" D. FIR

0 10 20
scale in feet

Note:
1. Repair pavement and gravel roads to match existing except for short re-alignment of gravel as shown.
2. Replant unpaved, un- graveled, disturbed areas per Landscaping sheet 45 and 53.
3. Stumps to be ground 18" below grade, unless this would cause damage to roots that appear to be from living, remaining trees, in which case grinding to a shallower depth or to ground surface will be allowed.
4. During wet weather, contractor shall apply temporary gravel cover to where trucks will be driving.
5. The existing gravel road will be supplemented with additional gravel or steel plates as needed to protect tree roots, in coordination with Urban Forestry.
6. If root greater than 2" diameter encountered, arborist must inspect and approve before proceeding.

25' OSc Transition Area
OSc
OS
EG
AC
405'
Modified root protection zone
Construction Area Limits and temporary 6' chain link fencing
32" fir 13554
17'
400'
13555
22" fir
7'
395'
405'
24" fir 13149
14" fir 13155
13154
22" fir
R=10'
R=25'
400'
48" fir 13156
395'
17'
Existing building
8" fir 13549
16" fir 13550
16" fir 13552
11'
15'
4'
9" deciduous plum 13128
390'
50" fir 13563
Site Access Road
390'
390'
Existing access road
13548 34" fir
10" deciduous plum 13129
385'
Construction Area Limits and chain link fencing
9" deciduous 13564
385'
Proposed new alignment of access road
Modified root protection zone
Existing building
Construction Area Limits, sediment fence, and temporary 6' chain link fencing
R=30'
12906 40" fir
Modified root protection zone
380'
30'
16'
OS
30'
380'
24'
12742 36" FIR
22" MAPLE 12743
375'
36" fir 12726
375'
Modified root protection zone
18" deciduous pear 12728
30" fir 12727
370'
Existing building
370'
Construction Area Limits
365'
EG
385'
12" cherry 12971
When this area is used for access provide sediment fence
380'
375'
24" cherr 129

Land Use Review Application
Exhibit No.

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No	Date	Description	Appd
Revision			
Survey	Mon / Yr	XXXX	

September 2014

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CAD Checked By	BRW	Const Mgr	
Checked By		Design Supvr	
Project Mgr		Date	

PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Construction Management
Work Area 5

Site Plan Sheet

SAP Project No
W01524
1/4 Section
Sheet No
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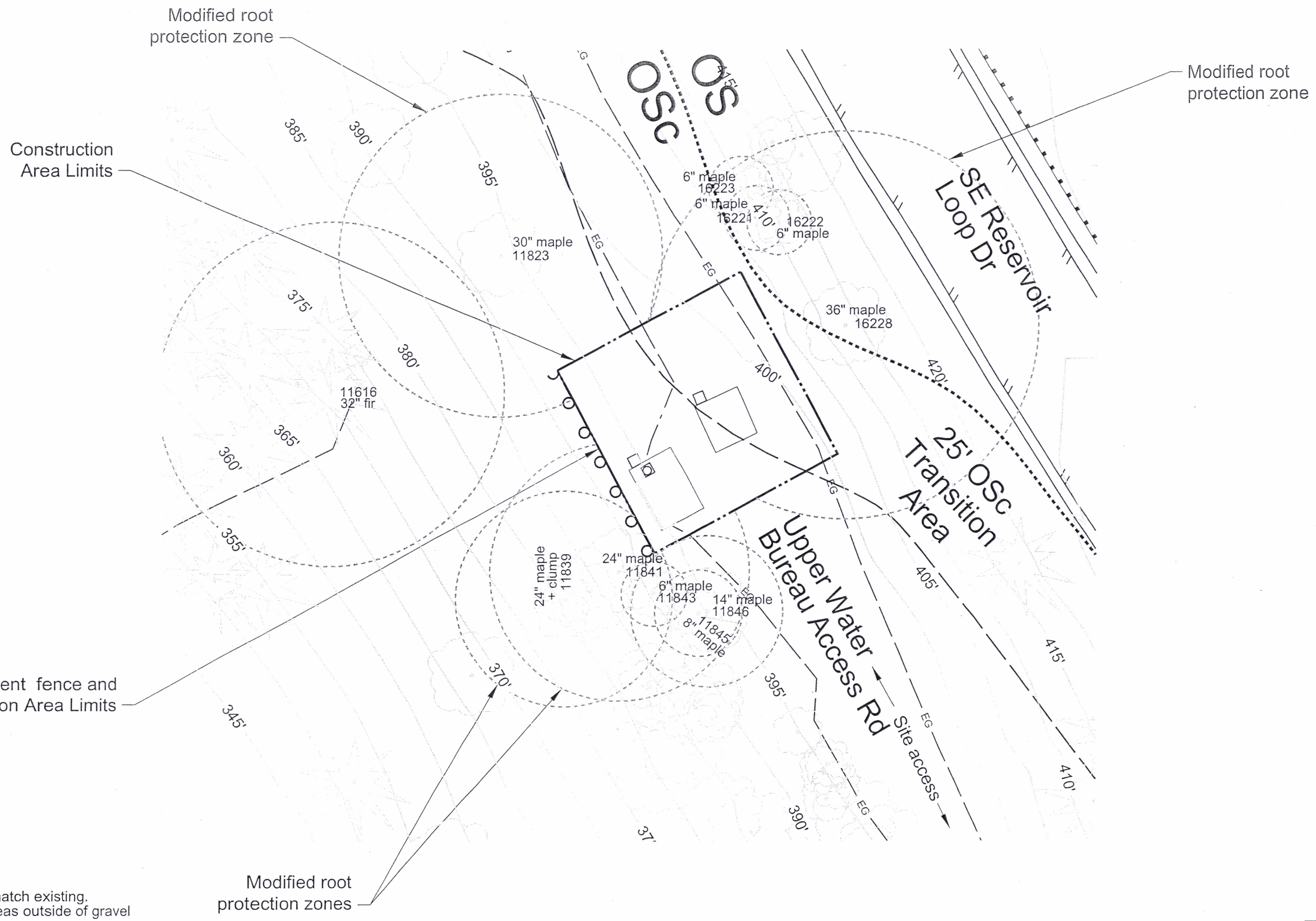

Note:
1. Repair gravel road to match existing.
2. Plant any disturbed areas outside of gravel with native seed mix.
3. No trees removed in this work area.
4. If root greater than 2" diameter encountered, arborist must inspect and approve before proceeding.

Land Use Review Application
Exhibit No.

No	Date	Description	Appd
Revision			

Survey	Mon / Yr	XXXX
Design	Mon / Yr	XXXX
Drawn	Mon / Yr	XXXX

July 2014

Designed By		Program Mgr	
CAD Checked By	BRW	Const Mgr	
Checked By		Design Supvr	
Project Mgr		Date	

PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Construction Management
Work Area 6

Plan Sheet

SAP Project No
W01524
1/4 Section

Sheet No
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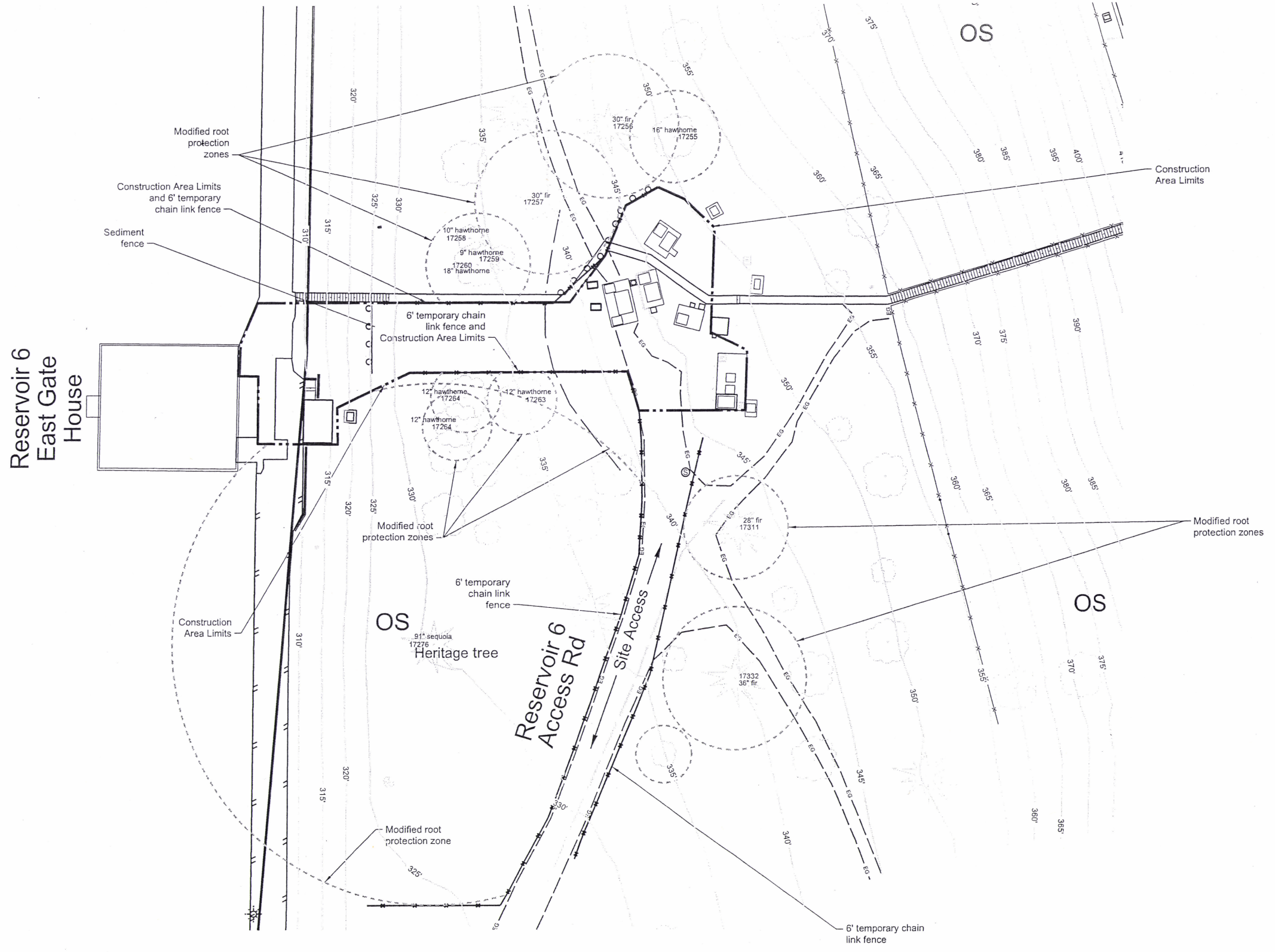

0 10 20
scale in feet

Note:
1. Repair pavement and gravel roads to match existing.
2. If root greater than 2" diameter encountered, arborist must inspect and approve before proceeding.

Land Use Review Application
Exhibit No.

No	Date	Description	Appd
		Revision	

Survey | Mon / Yr | XXXX

September 2014

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CAD Checked By	BKM	Const Mgr	
Checked By		Design Supvr	
Project Mgr		Date	

PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Construction Management
Work Area 7

Site Plan Sheet

SAP Project No
W01524
1/4 Section

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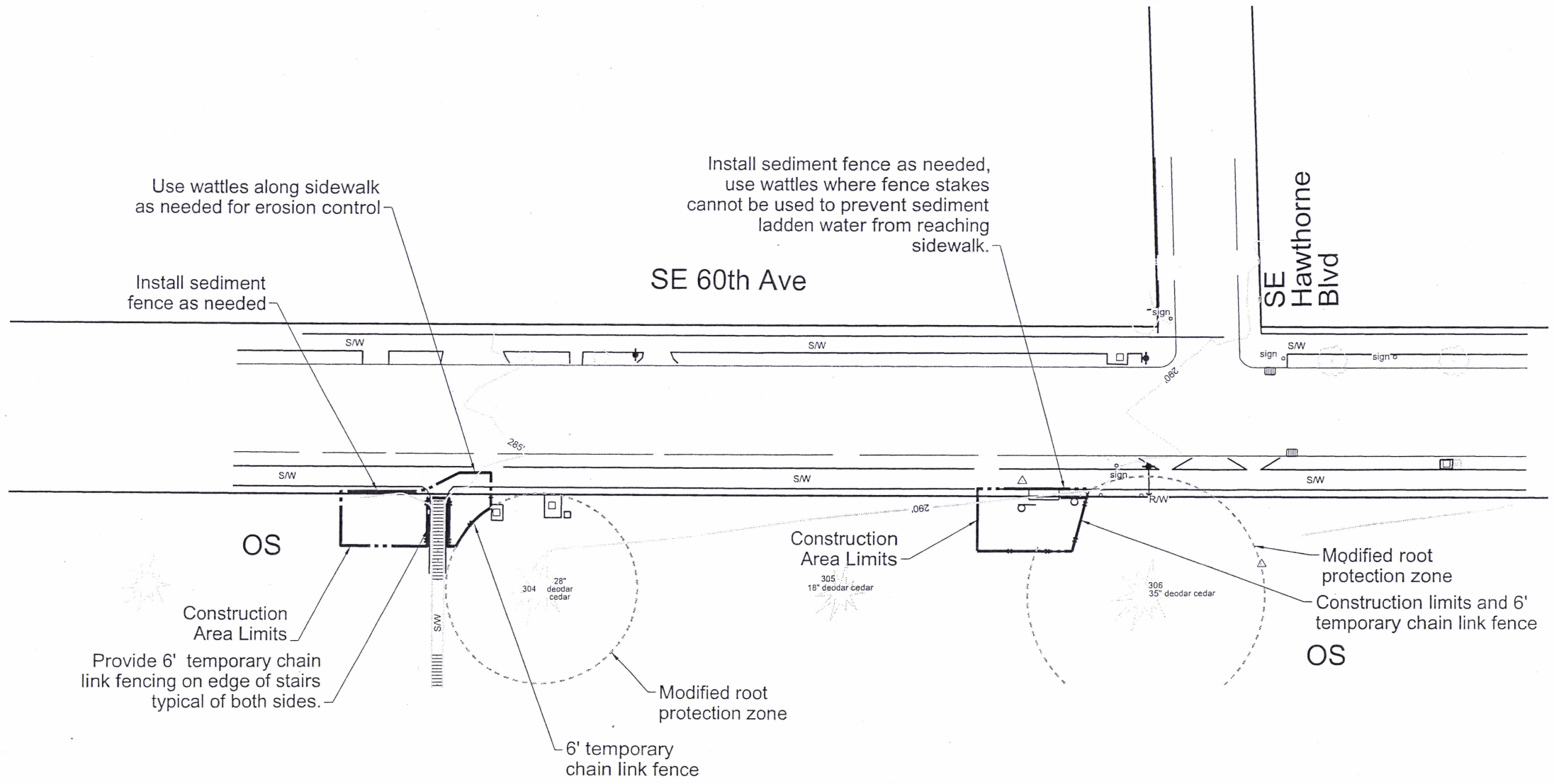

0 10 20
scale in feet

Note:
1. No trees removed in this work area.
2. If root greater than 2" diameter encountered, arborist must inspect and approve before proceeding.

Land Use Review Application
Exhibit No.

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Revision			

September 2014

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Checked By		Design Supvr	
Project Mgr		Date	

PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Construction Management
Work Area 8
Site Plan Sheet

SAP Project No
W01524
1/4 Section

Sheet No
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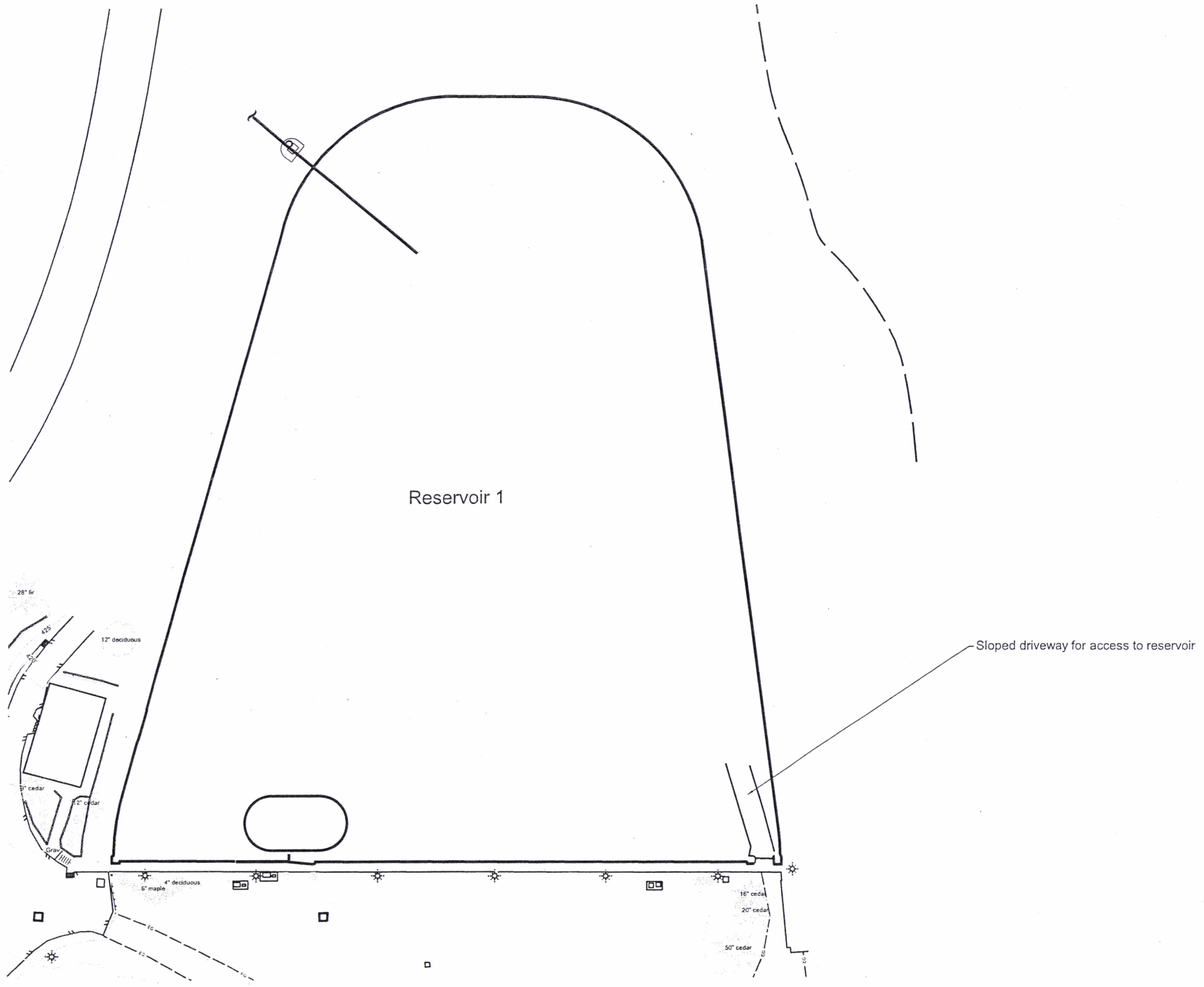

Note:
1. Contractor to confine work activities to existing impervious surface. No landscaped or natural areas may be impacted. Prevent debris from entering reservoir drain. Contact Owner's Representative to open or close reservoir drain.

0 15 30
scale in feet

Land Use Review Application
Exhibit No.

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		Revision	

July 2014

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Checked By		Design Supvr	
Project Mgr		Date	

PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments
Construction Managment
Work Area 9
Reservoir 1
Site Plan Sheet

SAP Project No
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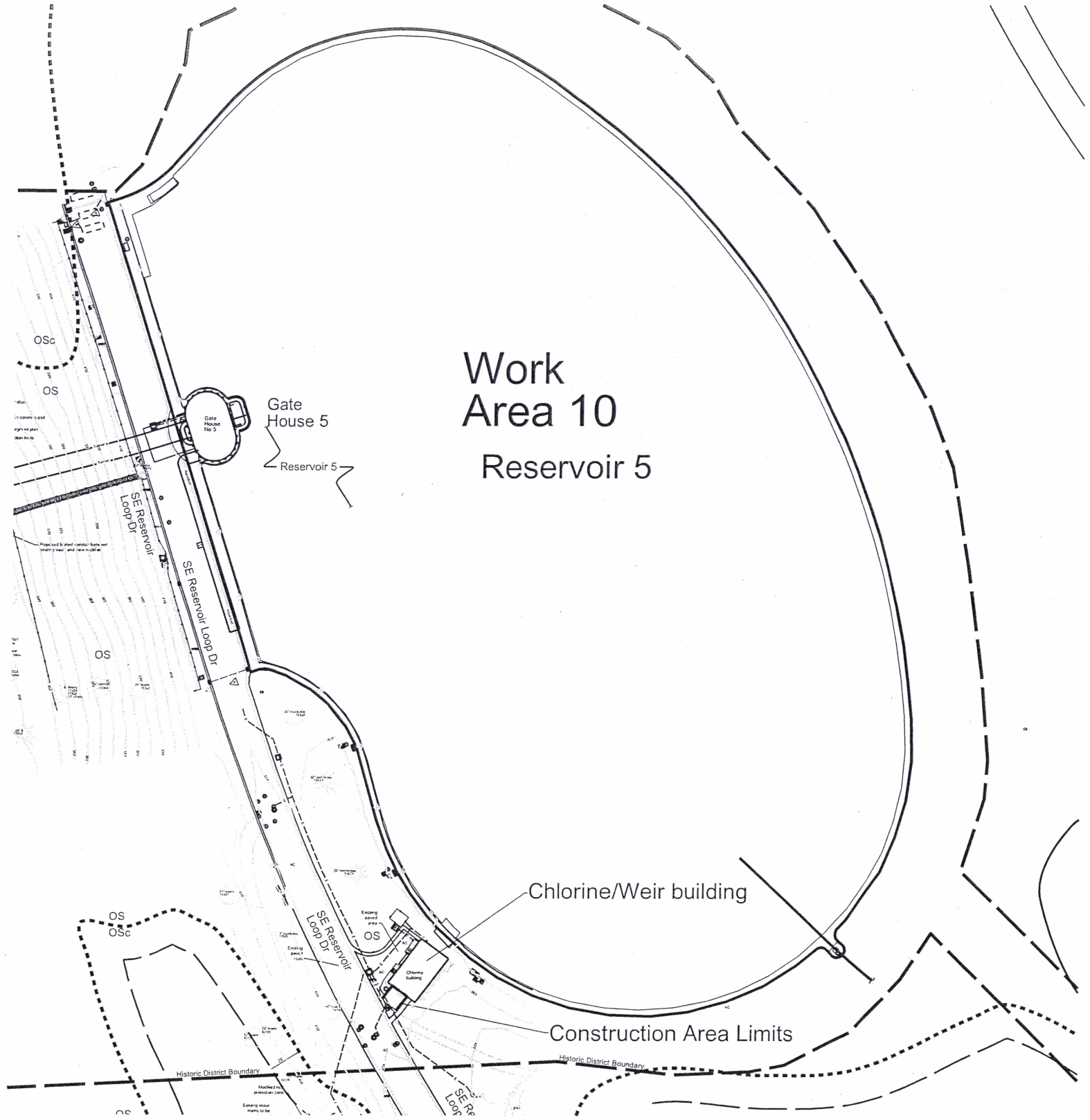

Note:
1. With the exception of the area shown on the southwest side of the chlorine building, contractor to confine work activities to existing impervious surface. No landscaped or natural areas may be impacted. Prevent debris from entering reservoir drain. Contact Owner's Representative to open or close reservoir drain.

Landscaping plan for Work Area 10: Plant disturbed area near chlorine building with turf grass seed mix per landscaping detail sheet 53.

0 25 50
scale in feet

Land Use Review Application
Exhibit No.

No	Date	Description	Appd
		Revision	
Survey	Mon / Yr	XXXX	

Designed By	BHW	Program Mgr	
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Checked By		Design Supvr	
Project Mgr		Date	

September 2014

PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments
Construction Management
Work Area 10
Reservoir 5
Site Plan Sheet

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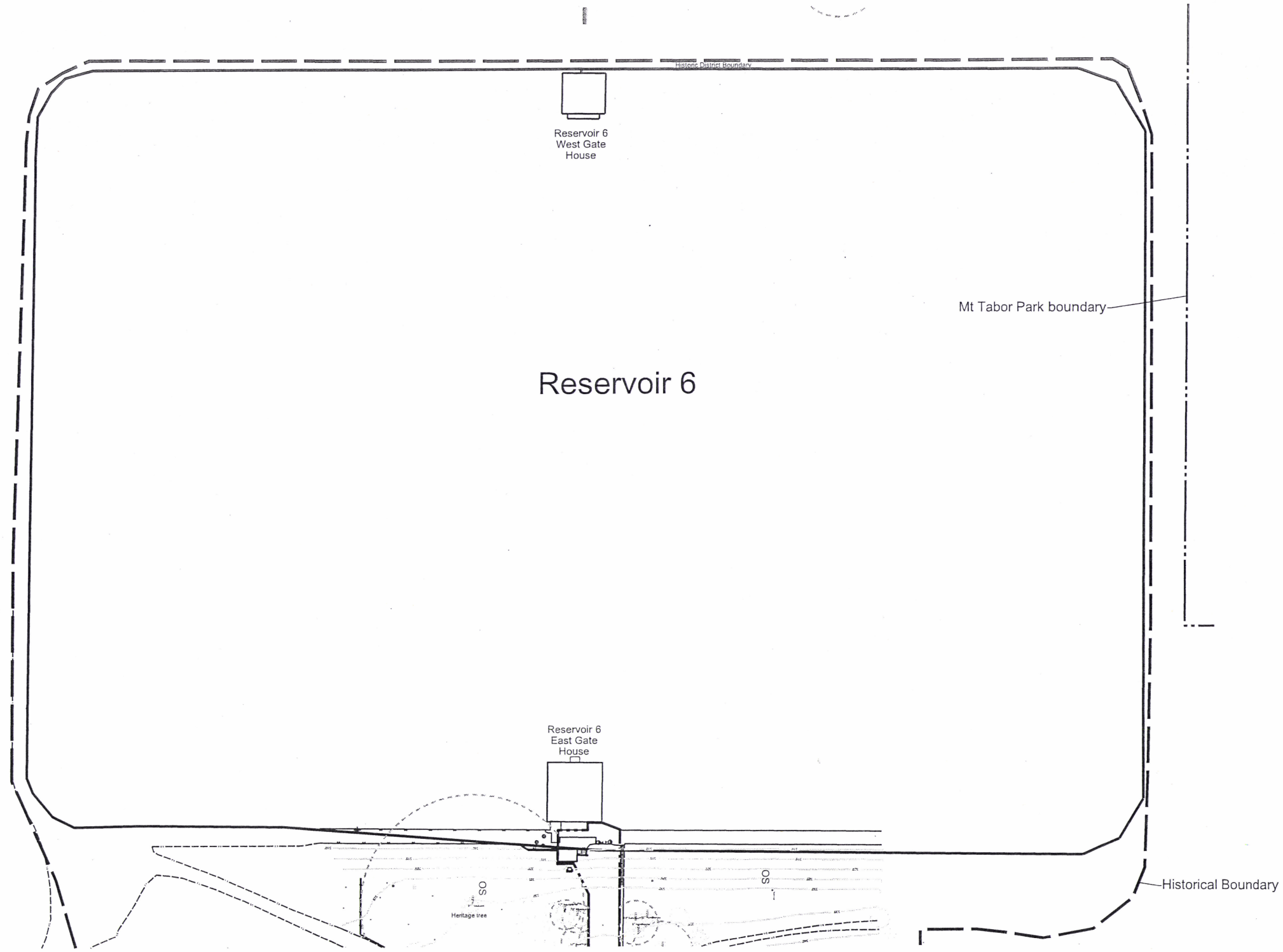

Note:
1. Contractor to confine work activities to existing impervious surface. No landscaped or natural areas may be impacted. Prevent debris from entering reservoir drain. Contact Owner's Representative to open or close reservoir drain.

0 25 50
scale in feet

Land Use Review Application
Exhibit No.

No	Date	Description	Appd
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Survey	Mon / Yr	XXXX	

July 2014

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Checked By	Design Supvr
Project Mgr	Date

PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments
Construction Management
Work Area 11
Reservoir 6
Site Plan Sheet

SAP Project No
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1/4 Section

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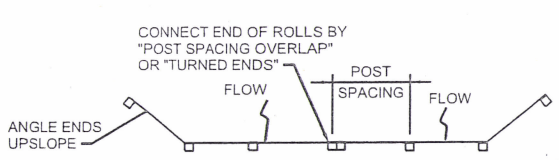
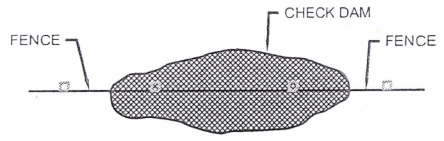
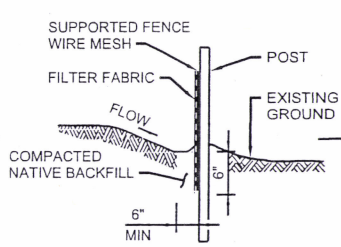


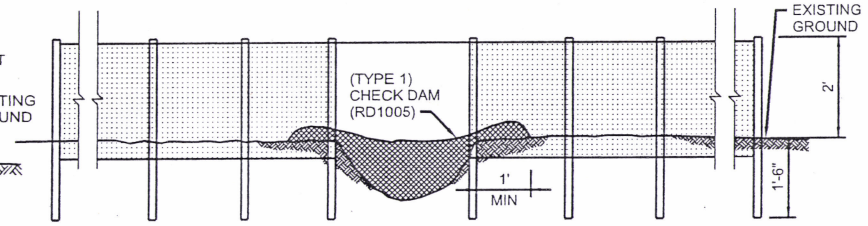
PLAN



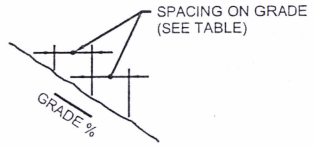
PLAN VIEW AT
DITCH SECTION

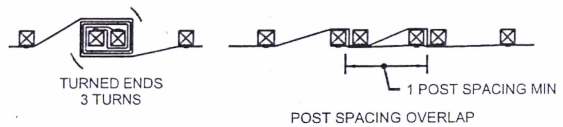


SECTION A-A

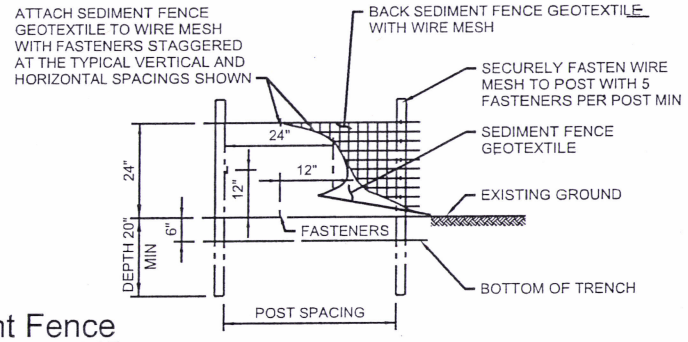


ELEVATION VIEW
AT DITCH SECTION
OR LOW AREAS



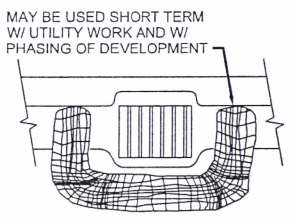


GEOTEXTILE END CONNECTIONS

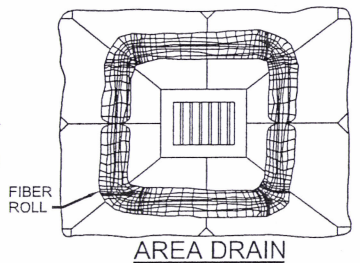


ELEVATION

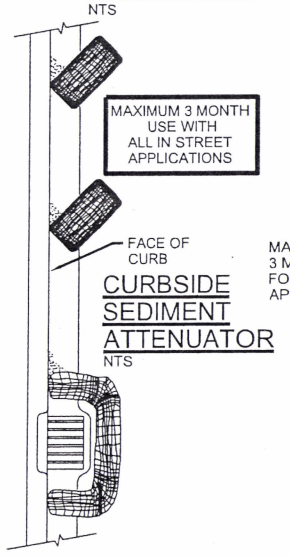
1 -- Supported Sediment Fence
NTS



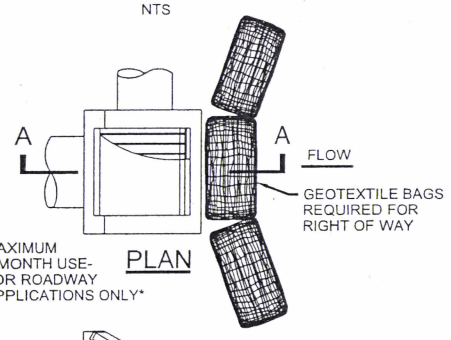
CATCH BASIN
NTS



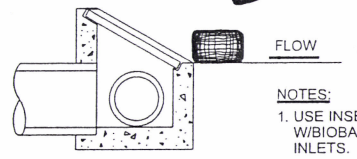
AREA DRAIN
NTS



CURBSIDE
SEDIMENT
ATTENUATOR
NTS

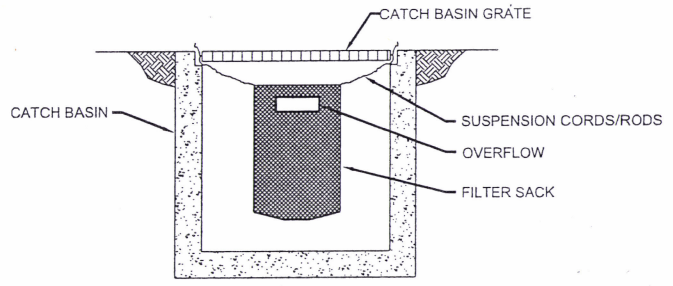


PLAN

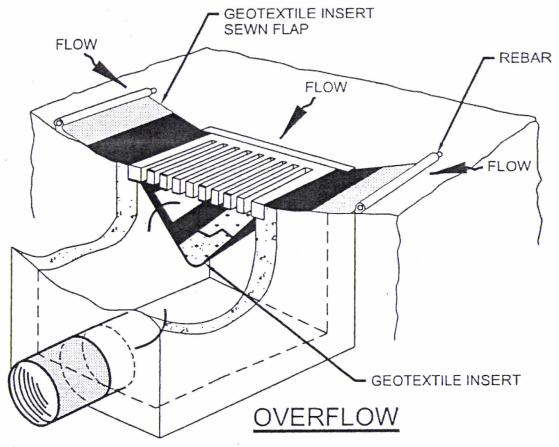


SECTION A-A
DITCH INLET
NTS

NOTES:
1. USE INSERT SACKS ALONG W/BIOBAGS TO PROTECT INLETS.
2. BIOBAGS MUST BE REMOVED AT END OF JOB.



INSERT SACK
FRONT VIEW



OVERFLOW

NOTE:
RECESSED CURB INLET MUST BE BLOCKED WHEN USING FIILTER FABRIC INLET SACKS. SIZE OF FILTER FABRIC INLET SACK TO BE DETERMINED BY MANUFACTURER.

2 -- Inlet Protection
NTS

EROSION CONTROL NOTES

GENERAL

1. EROSION CONTROL IS REQUIRED FOR THIS PROJECT. EROSION CONTROL MEASURES (OR ESC FACILITIES) MUST BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE CITY OF PORTLAND'S, BUREAU OF DEVELOPMENT SERVICES EROSION CONTROL MANUAL, THE APPROVED EROSION, SEDIMENT AND POLLUTION CONTROL PLAN (ESPCP), THE SPECIAL SPECIFICATIONS AND DRAWINGS. SELECTED STANDARD DRAWINGS FROM THE EROSION CONTROL MANUAL ARE REPRODUCED ON THIS SHEET. HOWEVER, A CURRENT EROSION CONTROL MANUAL MUST BE KEPT ON SITE FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS, AND FOR GUIDANCE IN PREPARING ALTERNATIVE EROSION CONTROL.

2. APPROVAL OF THE EROSION, SEDIMENT AND POLLUTION CONTROL PLAN (ESPCP) DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (EG: SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, DETENTION FACILITIES, UTILITIES, ETC.)

3. APPROVAL OF THE EROSION, SEDIMENT AND POLLUTION CONTROL PLAN (ESPCP) DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE APPROVED EROSION CONTROL BEST MANAGEMENT PRACTICES ARE CONSTRUCTED AND MAINTAINED TO CONTAIN SEDIMENT AND POLLUTANTS ON THE CONSTRUCTION SITE. THE IMPLEMENTATION OF THE ESPCP AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THE ESPCP FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED, AND (WHERE NECESSARY) VEGETATION/LANDSCAPING IS ESTABLISHED.

4. ALL EROSION, SEDIMENT AND POLLUTION CONTROL PLAN (ESPCP) MEASURES SHOWN SHALL BE INSTALLED AS PER THE DETAIL DRAWINGS IN THE CITY OF PORTLAND-EROSION CONTROL MANUAL (AVAILABLE THROUGH THE BUREAU OF DEVELOPMENT SERVICES, 1900 SW 4TH AVE, PORTLAND OR 97201)

5. ESPCP MEASURES SHALL NOT BE REMOVED UNTIL PERMANENT LANDSCAPING HAS BEEN INSTALLED AND A FINAL INSPECTION HAS BEEN REQUESTED AND APPROVED BY A CITY INSPECTOR.

6. INSPECTIONS MAY BE REQUESTED BY TELEPHONING THE INSPECTION REQUEST NUMBER (503)823-7000 ONE DAY PRIOR TO THE TIME OF INSPECTION.

7. THE IMPLEMENTATION OF THIS ESPCP AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESPCP FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.

8. A SIGN WITH THE CITY'S EROSION CONTROL HOTLINE NUMBER, PROJECT ADDRESS, AND PERMIT NUMBER SHALL BE POSTED AT A LOCATION CLEARLY VISIBLE FROM THE RIGHT OF WAY AND MAINTAINED UNTIL PROJECT COMPLETION.

9. IN THE EVENT OF A CONFLICT BETWEEN THE EROSION CONTROL MANUAL; APPROVED EROSION, SEDIMENT, AND POLLUTION CONTROL PLAN; SPECIFICATIONS; DRAWINGS; AND PERMITS; THE MOST STRIGENT REQUIREMENT SHALL APPLY

AT BEGINNING OF CONSTRUCTION

10. ALL WORK DISTURBANCE LIMITS MUST BE FENCED AND ESC MEASURES MUST BE INSTALLED BEFORE CONSTRUCTION CAN OCCUR WITHIN THAT WORK AREA. NO WORK MAY OCCUR OUTSIDE OF THE APPROVED DISTURBANCE AREAS.

11. WHEEL WASHES AND HAND BRUSHING (WHEN NEEDED), IS REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES SUCH AS STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED (WHERE NECESSARY) AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT.

12. THE ESPCP FACILITIES SHOWN ON THE PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS OR VIOLATE APPLICABLE WATER STANDARDS OR LEAVE THE WORK SITE.

13. TEMPORARY ESPCP MEASURES SHALL BE INSTALLED, INSPECTED AND APPROVED BY A CITY INSPECTOR BEFORE STARTING GROUND DISTURBING ACTIVITIES.

14. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

EROSION CONTROL NOTES CONT.

DURING CONSTRUCTION

15. THE ESPCP FACILITIES SHOWN ON THE PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THE ESPCP FACILITIES SHALL BE UPGRADED AS NEEDED FOR THE UNEXPECTED STORM EVENTS OR CHANGES IN CONDITIONS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.

16. THE ESPCP FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.

17. THE ESPCP FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A WEEK OR WITHIN THE 24 HOURS FOLLOWING A STORM EVENT.

18. GRAVEL, MATTING OR PLATING SHALL BE USED TO PROTECT THE GROUND SURFACE ADJACENT TO WATER LINE CONSTRUCTION WITHIN THE PROJECT. A DURABLE AND TEMPORARY HAUL ROUTE SHALL BE SELECTED AND DESIGNED TO BE EFFECTIVE IN PREVENTING EROSION, WHEEL RUTTING AND EXCESSIVE COMPACTION. THE ACCESS WAY, INCLUDING ALL IMPORTED MATERIAL, MUST BE REMOVED AFTER CONSTRUCTION.

19. STORM WATER INLETS THAT ARE FUNCTIONING DURING THE COURSE OF CONSTRUCTION SHALL BE PROTECTED BY APPROVED SEDIMENT CONTROL MEASURES SO THAT SEDIMENT-LADEN WATER CAN NOT ENTER THE INLETS WITHOUT FIRST BEING FILTERED.

20. AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A TRAPPED CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.

21. ANY STOCKPILED SOIL MUST BE SECURED AND PROTECTED THROUGHOUT THE PROJECT WITH SOIL STABILIZATION MEASURES INCLUDING SEDIMENT BARRIERS AND PLASTIC SHEETING. STOCKPILING WITHIN A WETLAND MUST BE AVOIDED. THE CONTRACTOR IS ACCOUNTABLE FOR THE PROTECTION OF ALL STOCKPILES ON THE SITE, AND THOSE TRANSPORTED FROM THE SITE. DEPOSITION OF SOIL MAY BE SUBJECT TO ADDITIONAL REGULATION REQUIRING PERMIT, REVIEW OR EROSION AND SEDIMENT CONTROL.

22. ANY SOIL TRACKED ONTO THE STREET FROM ESTABLISHED CONSTRUCTION ENTRANCES MUST BE SWEPT UP AND DISPOSED OF ON SITE. PUBLIC RIGHT OF WAY STREETS MUST NOT BE WASHED TO REMOVE TRACKED SOIL.

23. A DAILY EROSION CONTROL INSPECTION LOG MUST BE KEPT ON SITE FOR REVIEW BY CITY INSPECTION STAFF. THE LOG SHALL CONFORM TO THE PROJECT SPECIAL SPECIFICATIONS.

AFTER CONSTRUCTION

24. EROSION CONTROL MEASURES SHALL CONTINUE TO BE MONITORED, IMPROVED, AND MAINTAINED ON COMPLETED STAGES OF WORK, UNTIL ALL PROJECT WORK AREAS ARE STABLE.

25. A VEGETATION PLAN SHALL BE IMPLEMENTED WHEN NECESSARY. ANY REPLACEMENT VEGETATIVE COVER PLANTED BY THE CONTRACTOR MUST NOT INCLUDE PLANTS LISTED IN EITHER THE NUISANCE OR THE PROHIBITED PLANT LIST, AS SET FORTH IN THE CITY OF PORTLAND PLANT LIST. NO TREES SHALL BE PLANTED WITHIN 10 FEET OF EXISTING OR NEW WATER PIPES.

26. THE ESPCP FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.

SEDIMENT FENCE NOTES

27. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST, OR OVERLAP 2-INCH X 2-INCH POSTS.

28. THE FILTER FABRIC FENCE SHALL BE INSTALLED TO FOLLOW THE CONTOURS WHERE FEASIBLE. THE FENCE POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 24 INCHES.

29. THE FILTER FABRIC SHALL HAVE A MINIMUM VERTICAL BURIAL OF 6 INCHES. ALL EXCAVATED MATERIAL FROM FILTER FABRIC FENCE INSTALLATION, SHALL BE BACK FILLED AND COMPACTED, ALONG THE ENTIRE DISTURBED AREA.

30. STANDARD OF HEAVY-DUTY FILTER FABRIC FENCE SHALL HAVE MANUFACTURED STITCHED LOOPS FOR 2-INCH X 2-INCH POST INSTALLATION. STITCHED LOOPS SHALL BE INSTALLED ON THE UPHILL SIDE OF THE SLOPE.

31. FILTER FABRIC FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UP SLOPE AREA HAS BEEN PERMANENTLY PROTECTED AND STABILIZED.

32. FILTER FABRIC FENCES SHALL BE INSPECTED BY THE CONTRACTOR IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

Land Use Review Application
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Project Mgr		Date	

July 2014

PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Erosion Control
Detail Sheet

Details

SAP Project No
W01524
1/4 Section

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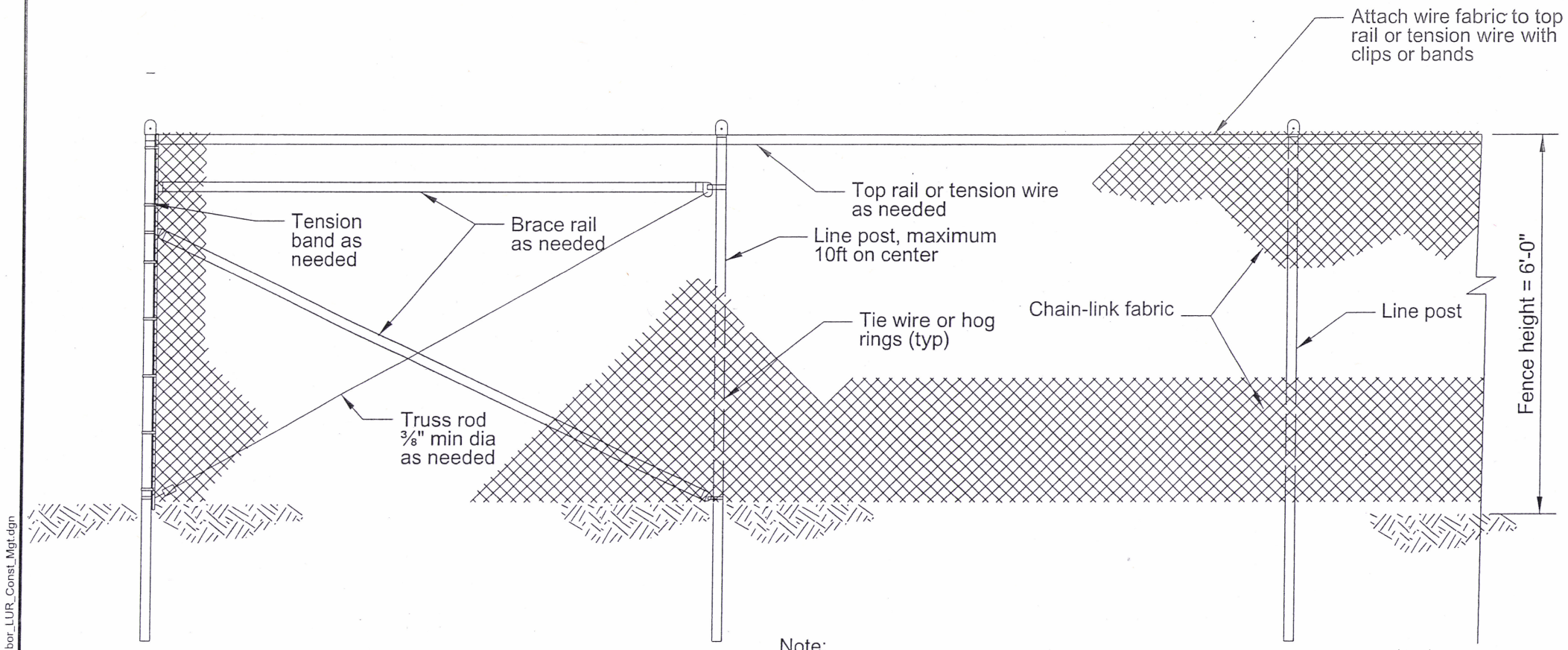
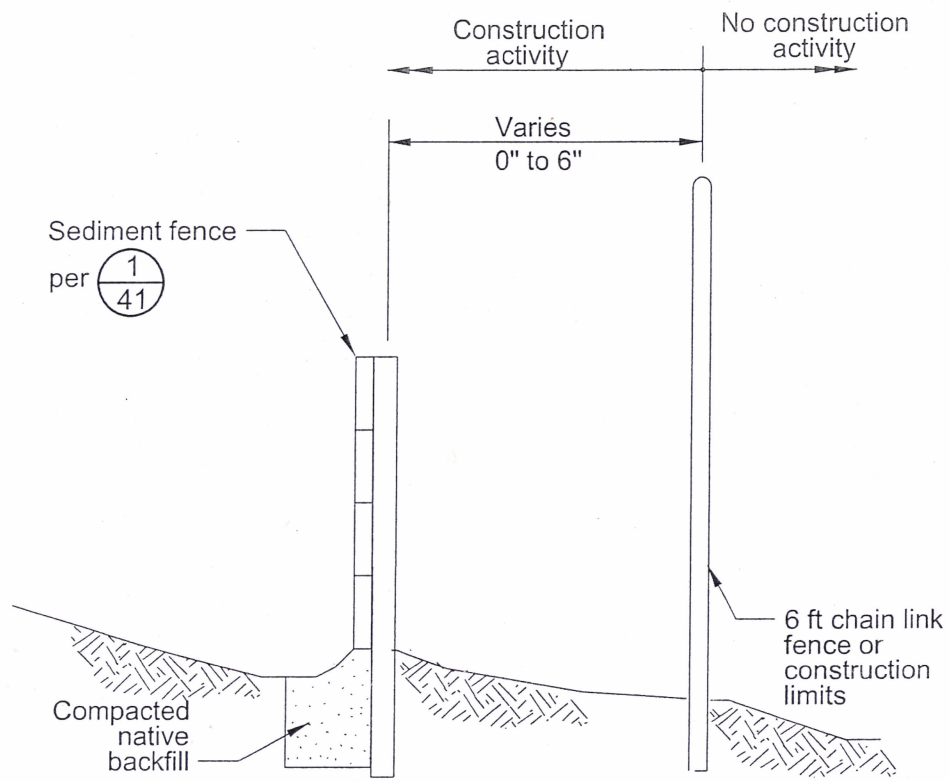
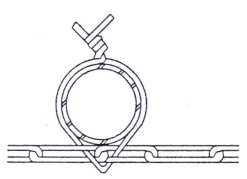


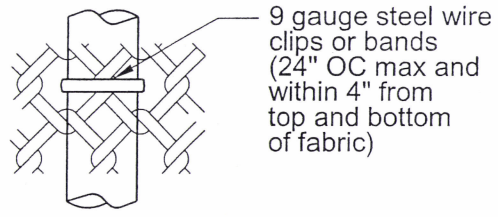
Note:
1. Posts shall be 2" in dia, 8' long, driven approximately 2' into the ground.

1 -- Chain Link Fence Elevation
NTS

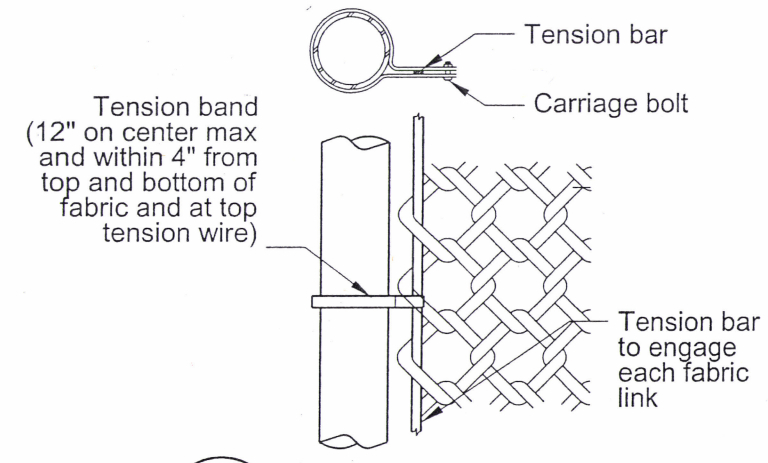


4 -- Temp Fence Locations
NTS





2 -- Round Post Attachment
NTS



3 -- End or Corner Post
NTS

Tree Protection Note:
Do not drive fence post into exposed tree roots 2" diameter or larger. If roots 2" diameter or larger are encountered below grade, either move post a few inches either way or contact City Arborist / Tree Inspector.

Temporary Chain Link Fencing - Typical Details

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Project Mgr		Date	

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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments
Temporary Chain Link Fencing Details
Details

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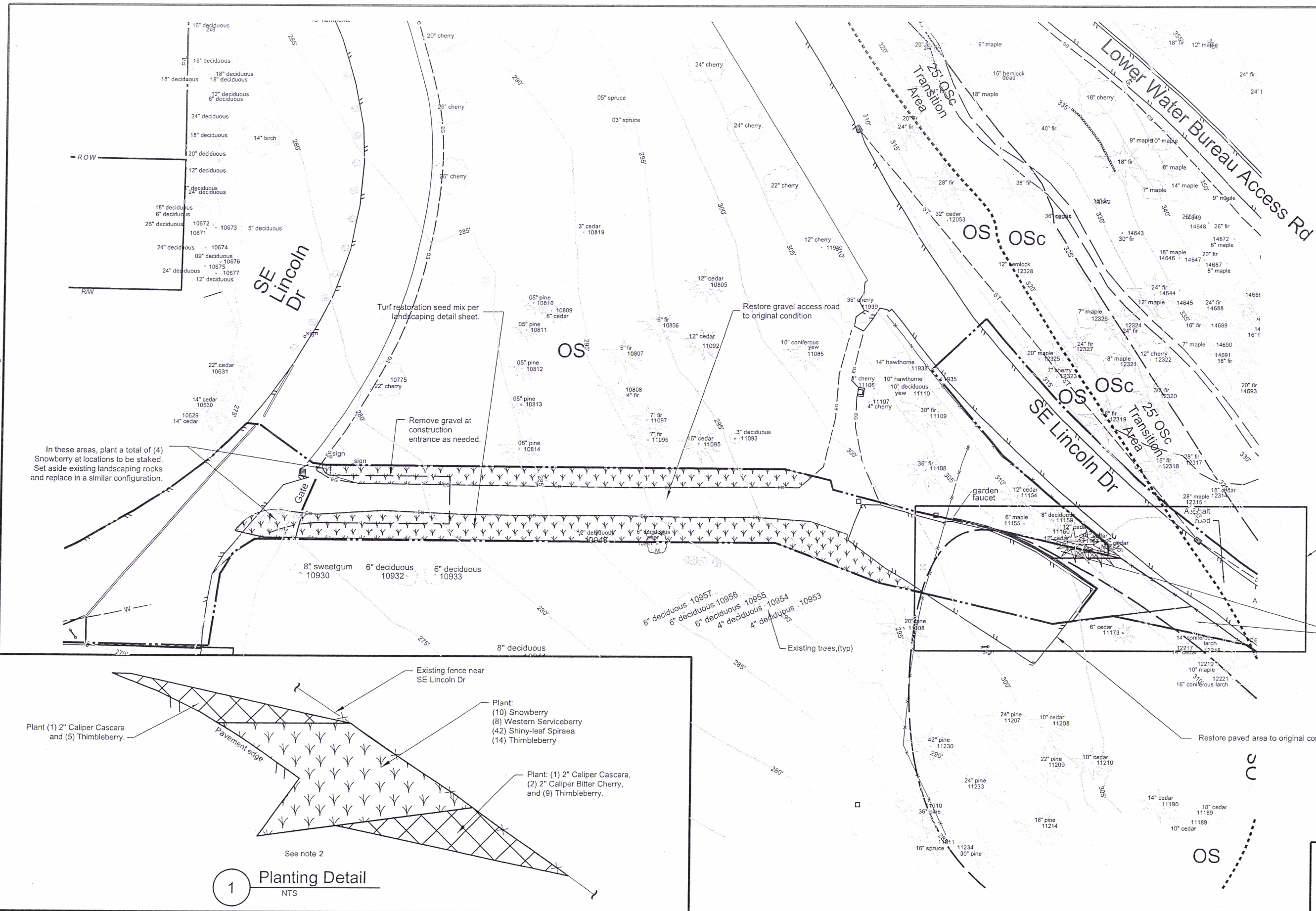

1 Planting Detail
NTS

Notes:
1. Exact tree and shrub location to be determined and staked in the field to create naturalistic arrangement.
2. In disturbed areas designated for tree or shrub planting, apply wood chips or other approved mulch between trees and shrubs.
3. See additional details and botanic names on landscaping details sheet.
4. Species of shrubs and ground cover may be modified during continued consultation with Portland Parks and Recreation.

0 10 20
scale in feet

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CITY OF PORTLAND, OREGON 1851

Land Use Review Application
Tabor Reservoir Adjustments

Landscaping Plan and Mitigation Trees

Work Area 2

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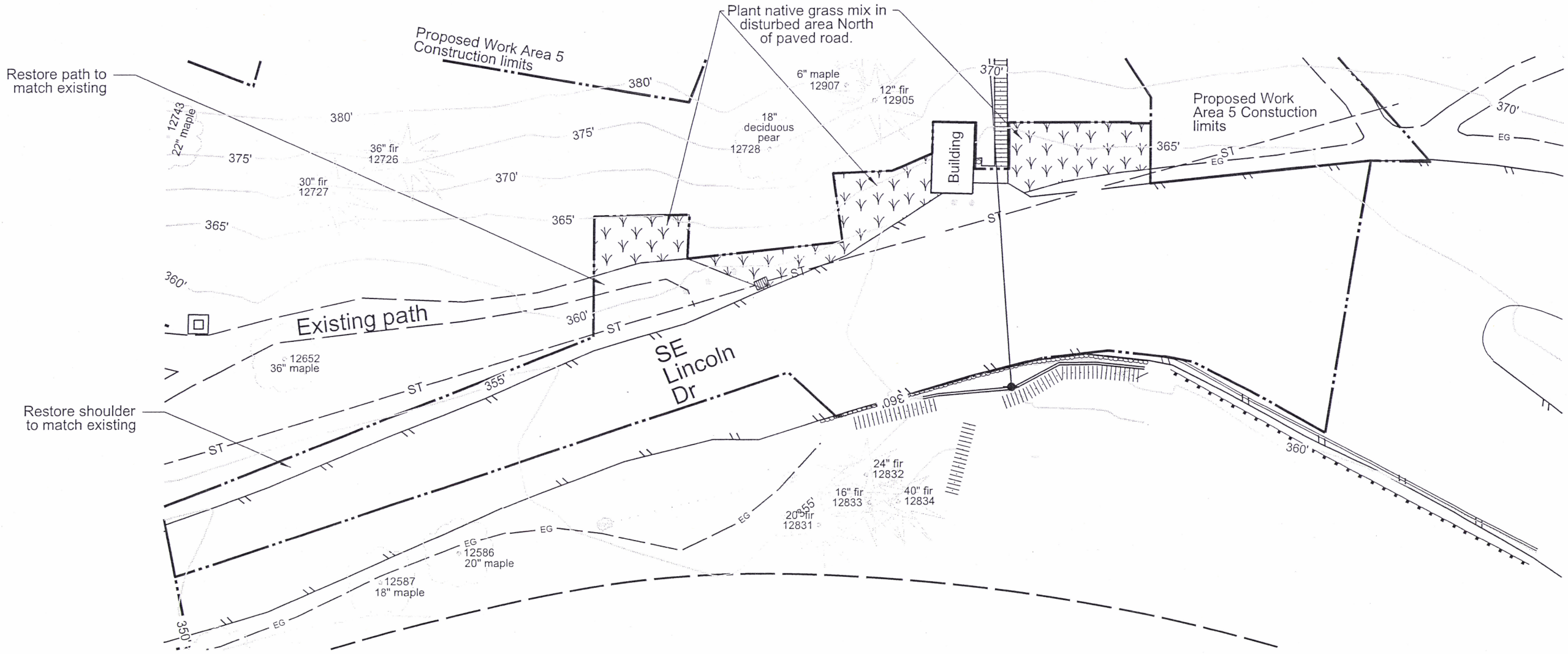

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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Landscaping Plan

Work Area 4

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Notes:

1. Exact tree and shrub location to be determined and staked in the field to create naturalistic arrangement.
2. In disturbed areas designated for tree planting, plant native grass seed mix between trees.
3. See additional details and botanic names on landscaping details sheet, sheet 53.

Existing trees,(typ)

Restore gravel access road and trails to match existing, except for small realignment shown.

In disturbed area outside roads, trails and tree planting areas, plant turf grass seed mix.

Existing Building

Plant (2), 2" Caliper trees, Western Flowering Dogwood.

Plant (3) 2" Caliper trees, Madrone.

Disturbance area boundary

Existing Building

0 10 20
scale in feet

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PORTLAND WATER BUREAU
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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Landscaping Plan and Mitigation Trees

Work Area 5

SAP Project No
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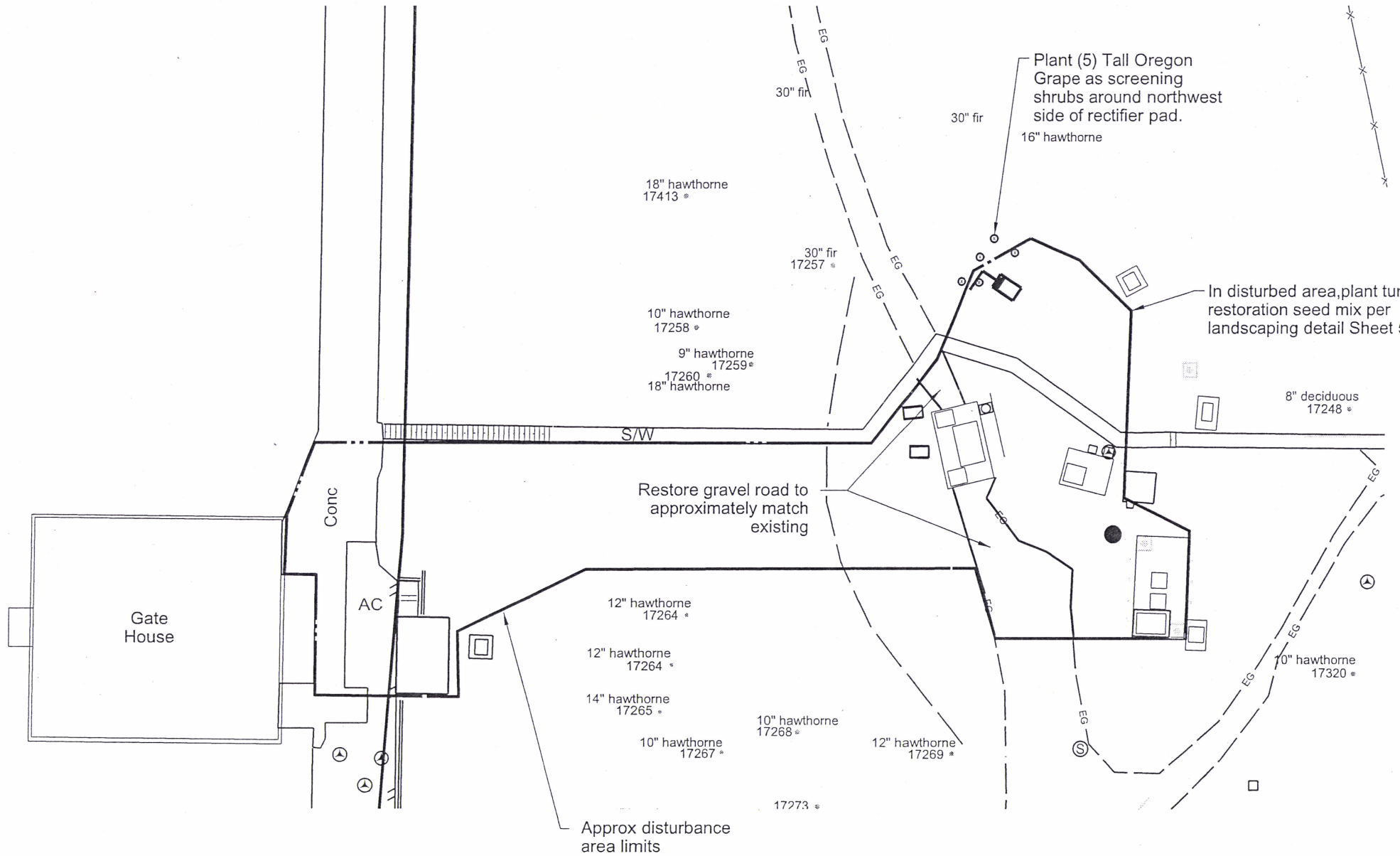

Notes:

1. Exact shrub locations to be determined and staked in the field to create naturalistic arrangement that provides screening.
2. In disturbed areas designated for shrub planting, plant native grass seed mix between shrubs.
3. See additional details and botanic names on landscaping details sheet.

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Land Use Review Application
Tabor Reservoir Adjustments

Landscaping Plan

Work Area 7

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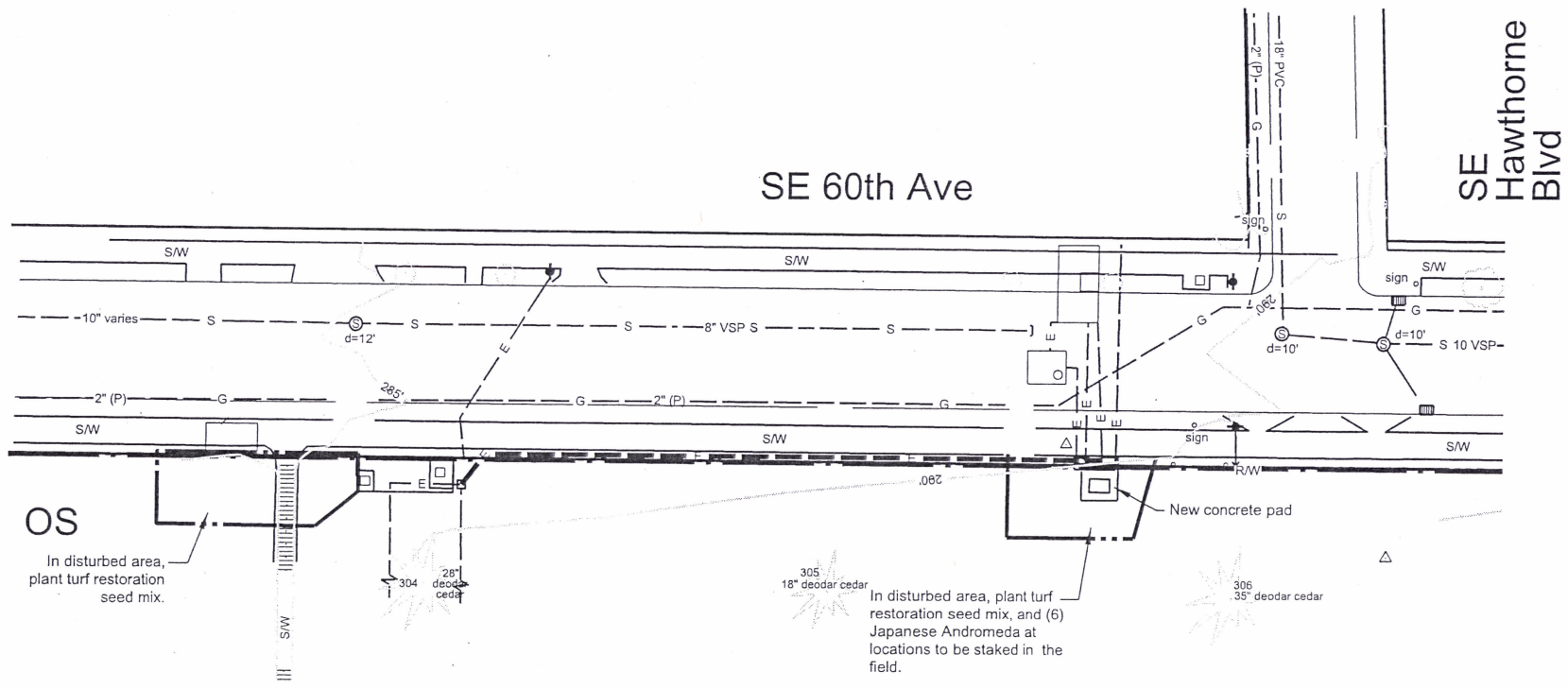

Notes:

1. Exact tree and shrub location to be determined and staked in the field to create naturalistic arrangement.
2. In disturbed areas designated for tree planting, plant native grass seed mix between trees.
3. See additional details and botanic names on landscaping details sheet.

NTS

Land Use Review Application
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		Revision	
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PORTLAND WATER BUREAU
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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Landscaping Plan

SAP Project No
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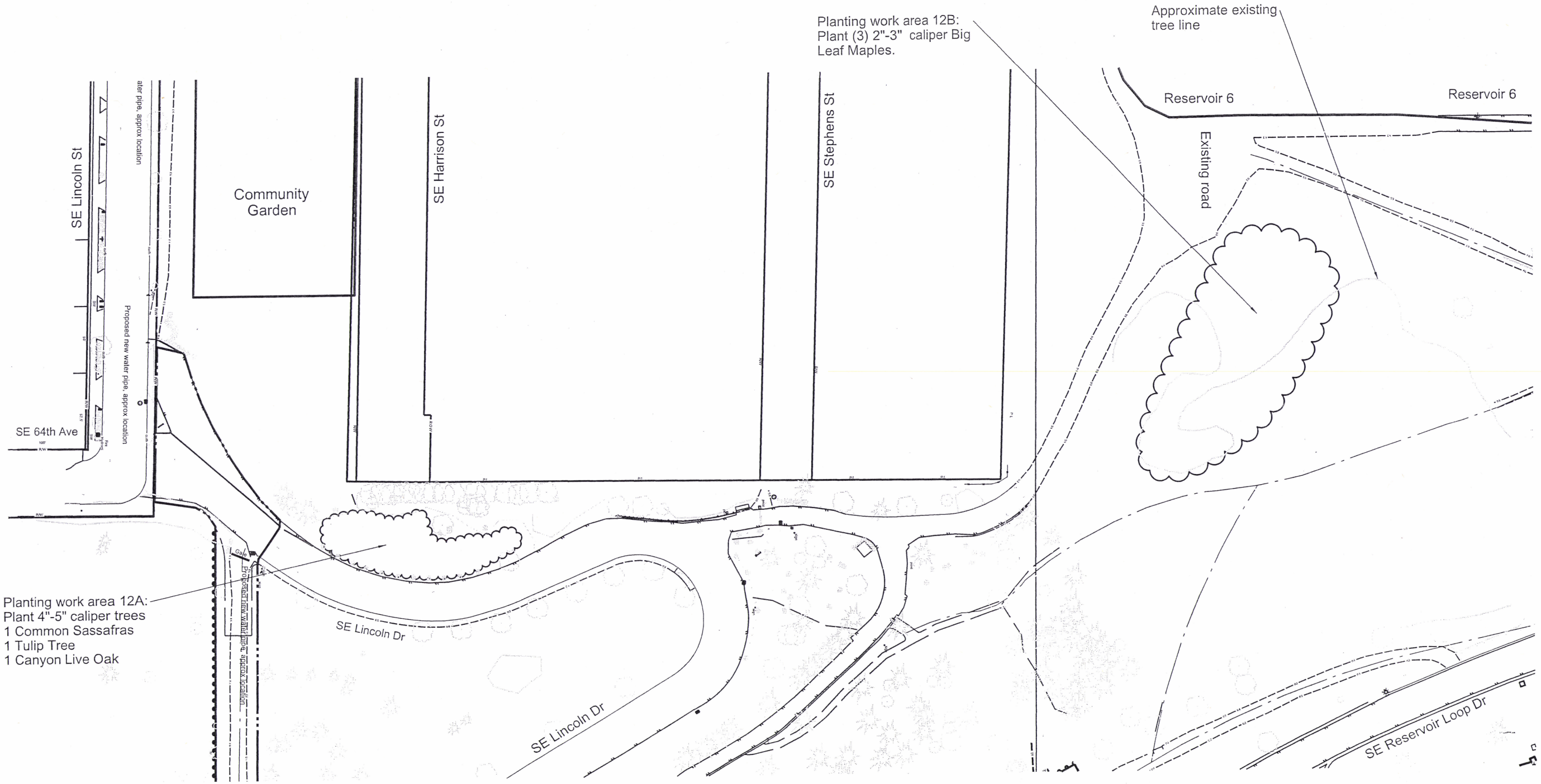

Notes:
1. Exact tree locations to be determined and staked in the field.
2. In disturbed areas designated for tree planting, plant native grass seed mix between trees.
3. See additional details and botanic names on landscaping details sheet.
4. Species and size of trees may be modified during continual consultation with Portland Parks and Recreation

0 20 40
scale in feet

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Project Mgr	Date

PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments
Planting Work Areas
12A and 12B
West Park Area
Plan Sheet

SAP Project No: W0152
1/4 Section:
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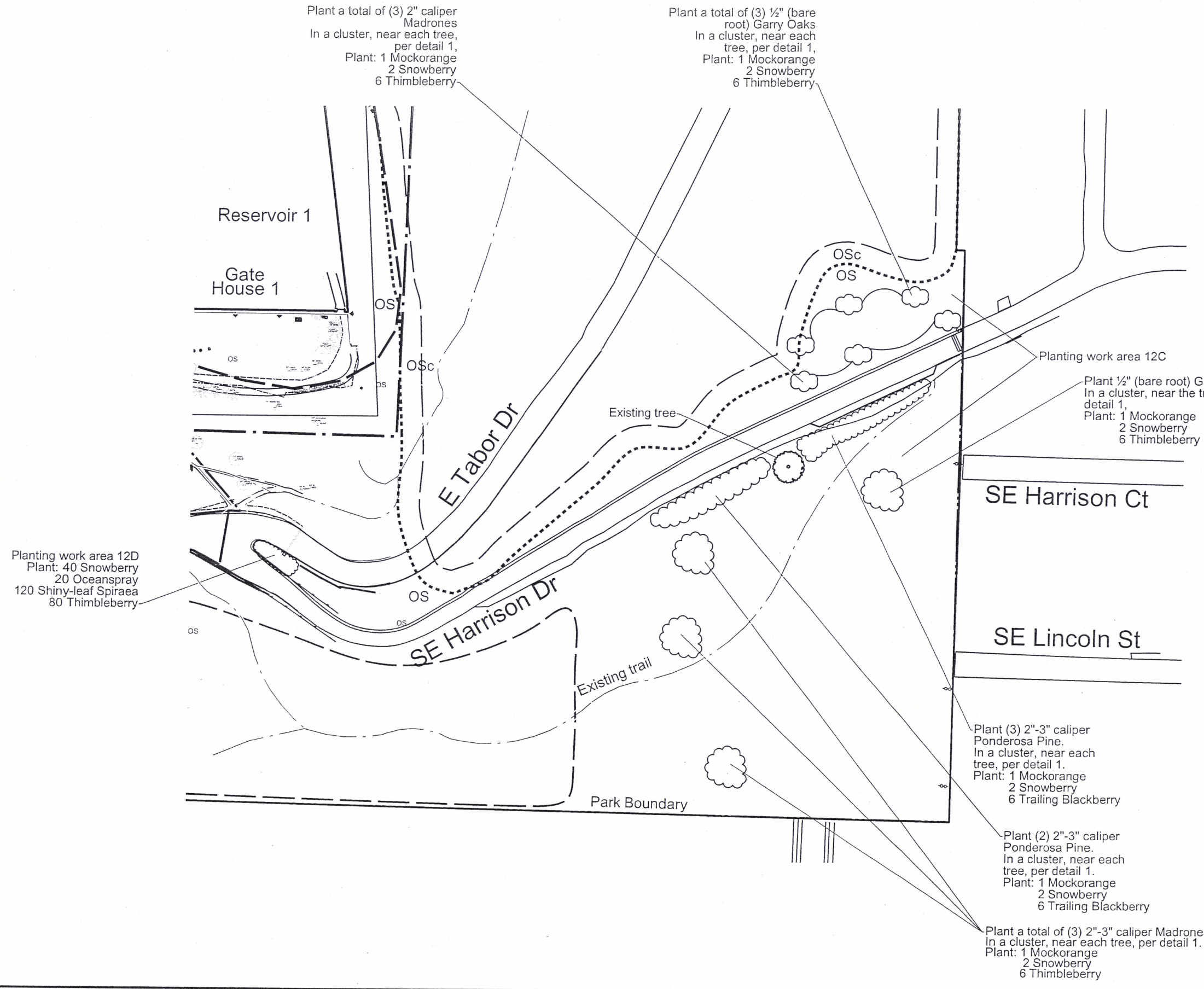
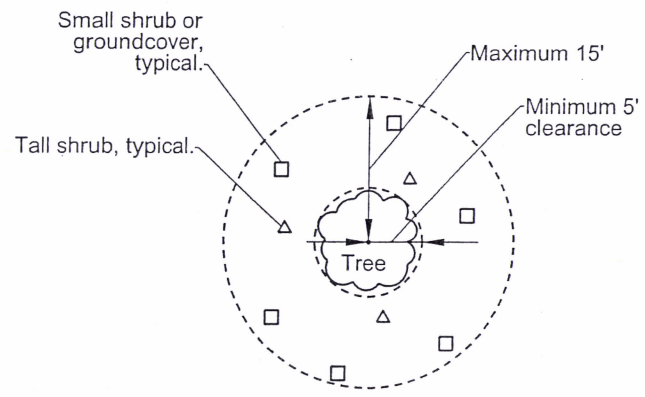


Notes:

1. Exact tree and shrub location to be determined and staked in the field to create naturalistic arrangement.
2. If tree location is staked in areas where there are invasive plants such as English Ivy, Himalayan Blackberry, and Clematis, remove all invasives within a 15' radius of planting location.
3. Plant native grass seed mix in newly disturbed ares between trees and shrubs.
4. See additional details and botanic names on landscaping details sheet, sheet 53.
5. Species of shrubs and ground cover may be modified during continued consultation with Portland Parks and Recreation.



1 Detail
NTS

Land Use Review Application
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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Planting Work Areas
12C and 12D
SE Harrison Dr Area

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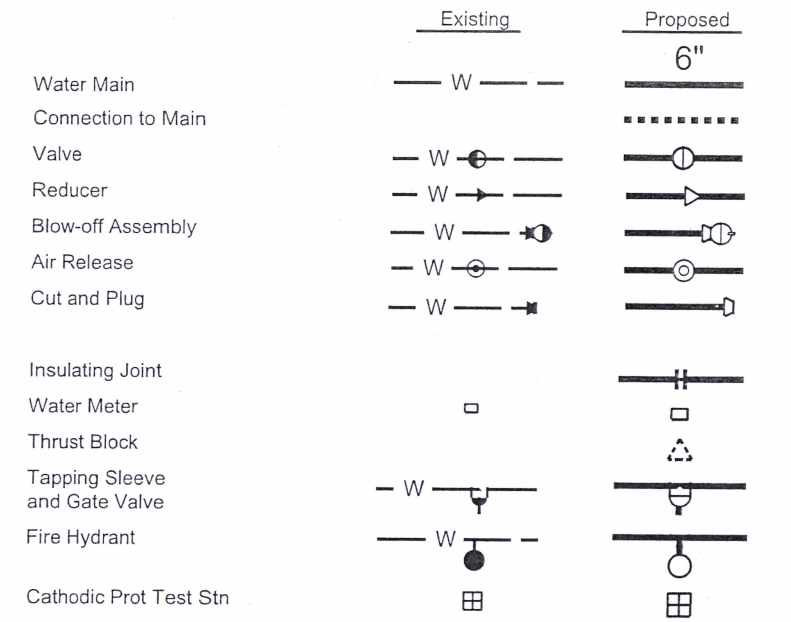
Legend



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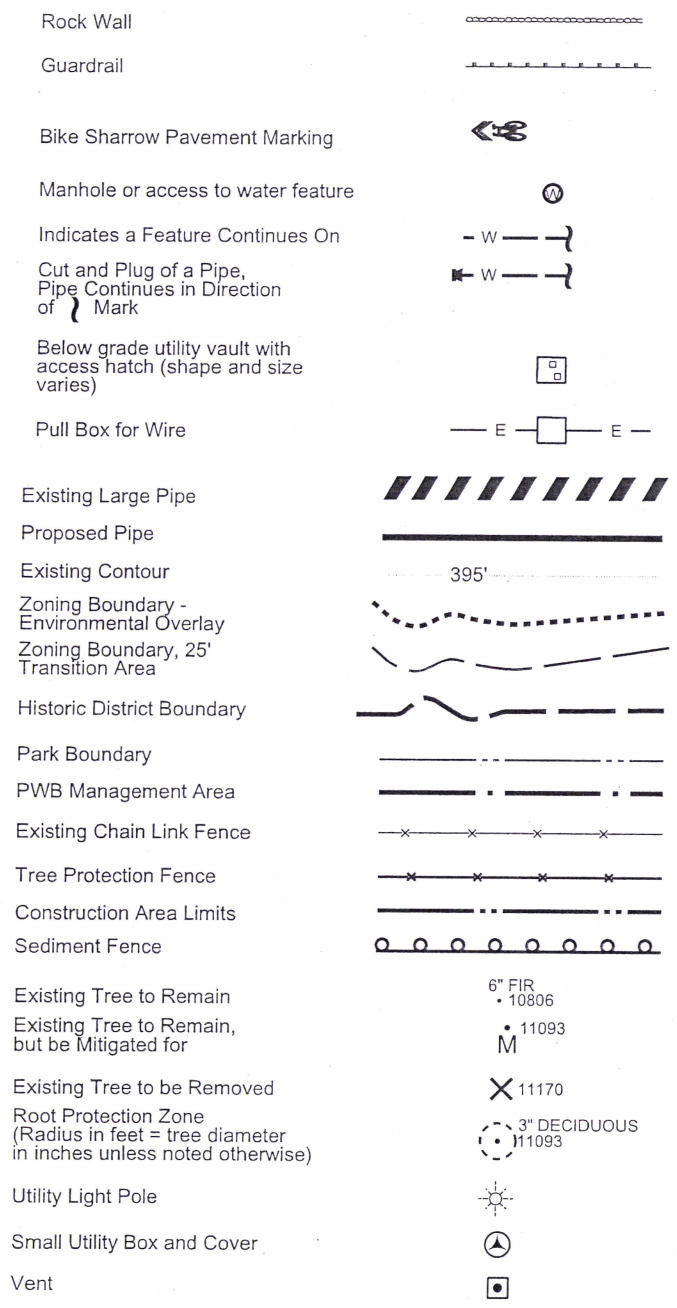

Abbreviation	Meaning
CI	cast iron (pipe)
CIV	cast iron valve box and cover
dia or diam	diameter
EL or elev	elevation
G	gas pipe
G (P)	gas pipe made of plastic
ID	identification or inner diameter
NTS	not to scale
OC	on center
OS	Open Space land use zone
OSc	Open Space with conservation overlay
PVC	polyvinyl chloride (pipe)
S	sewer
S/W	sidewalk
sq ft	square feet
Stl	steel (pipe)
typ	typical
VSP	vitrified clay sewer pipe

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PORTLAND WATER BUREAU
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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Legend and Abbreviations

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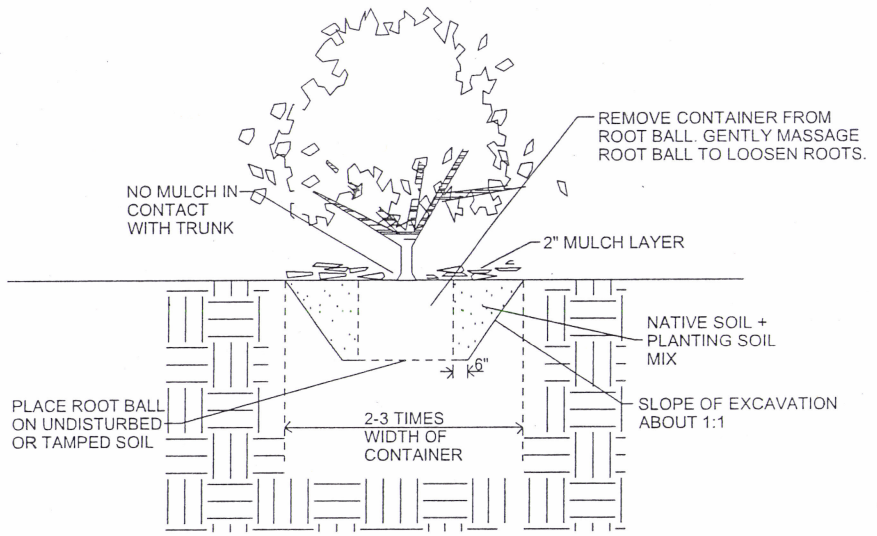
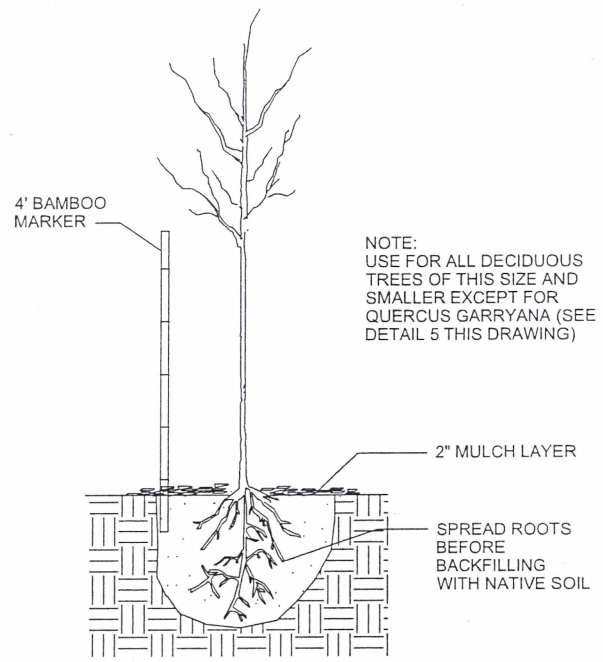
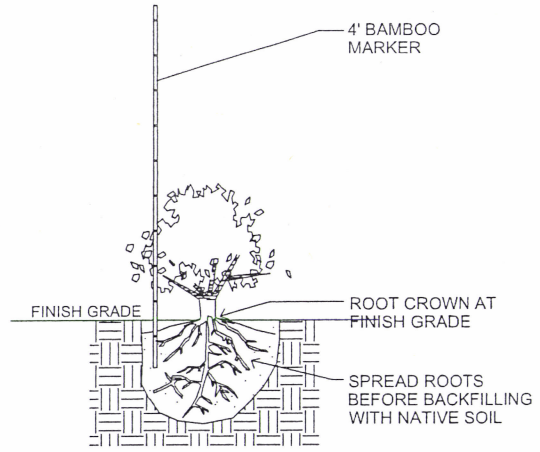


1 Shrub Container Planting Detail
not to scale



2 1/2" Bare Root Deciduous Tree
not to scale



3 Bare Root Shrub /Bare Root Evergreen Tree
not to scale

Proposed Mitigation Trees, Shrubs, and Grass List

Common Name	Botanical Name	Number Proposed
Mitigation Trees		
Ponderosa Pine	Pinus ponderosa	5
Garry Oak*	Quercus garryana	4
Cascara	Rhamnus purshiana	2
Western Flowering Dogwood	Cornus nuttallii	2
Bigleaf Maple	Acer macrophyllum	3
Bitter Cherry	Prunus emarginata	2
Madrone	Arbutus menziesii	9
Sassafras Tree**	Sassafras albidum	1
Tulip tree**	Liriodendron tulipifera	1
Canyon Live Oak**	Quercus chrysolepis	1
Shrubs in Restoration Areas		
Snowberry	Symphoricarpos albus	84
Thimbleberry	Rubus parviflorus	169
Trailing Blackberry	Rubus ursinus	30
Mockorange	Philadelphus lewisii	15
Shiny-leaf Spiraea	Spiraea betulifolia	122
Oceanspray	Holodiscus discolor	20
Western Serviceberry	Amelanchier alnifolia	8
Japanese andromeda	Pieris japonica	6
Tall oregon grape	Mahonia aquifolium	5

Note A: all trees to be supplied with a diameter near base of 2 to 3 inches, depending on availability, except:

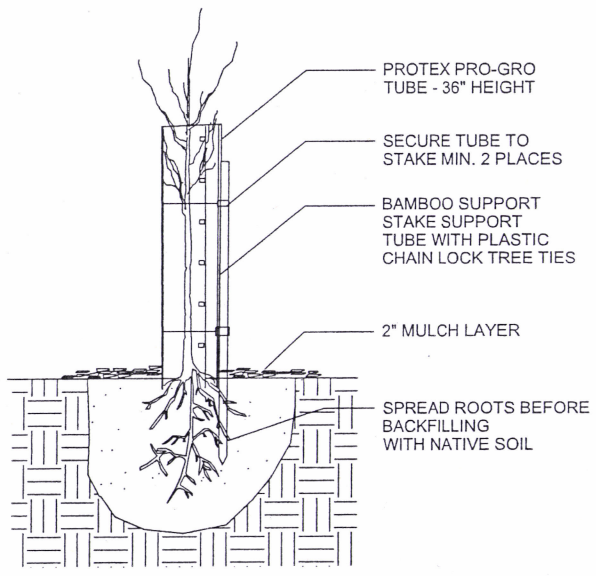
*Garry Oaks to be supplied at nominal 1/2 inch caliper, or bare-root

**These 3 trees to be supplied 4-5 inches caliper, depending on availability

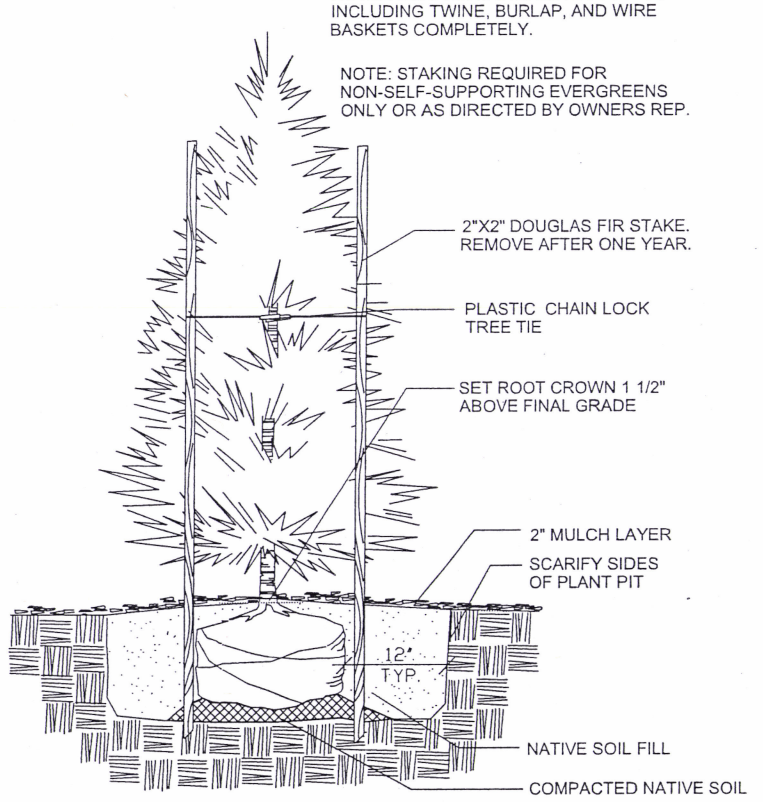
Grass in Restoration Areas or Areas Disturbed by Invasive Plant	
Sunny, mowed areas "turf grass" seed mix	lbs/10,000 s.f.
Ryegrass blend similar to that used by PP & R at Tabor	3***
Shady, steep, or natural areas not typically mowed, "native grass" seed mix	
Fescue, ryegrass, bluegrass blend similar to that used by PP & R at Tabor	2***
***or as recommended by seed supplier	

Note B: Common names (except for grasses) are as listed in the Portland Plant List, and are used in the Landscaping Drawings, and LUR narrative.

6 Mitigation Plantings List



4 1/2" Bare Root Quercus Garryana
not to scale



5 Large Evergreen Tree Plantng
not to scale

NOTES:

1. Non-native invasive plants identified on the Portland Plant List will be removed or treated within 10 foot radius planted trees.
2. Shrubs will be densely planted in the restoration area to provide long-term slope stabilization and erosion control.
3. Hand irrigation will be provided in the first two years after planting to ensure plant establishment.
4. All planting will be installed between December 15th and March 31st, no later than 1 year after construction is completed.

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Project Mgr	XXX	Date	

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PRELIMINARY

Land Use Review Application
Tabor Reservoir Adjustments

Landscaping and Mitigation Details

Detail Sheet

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