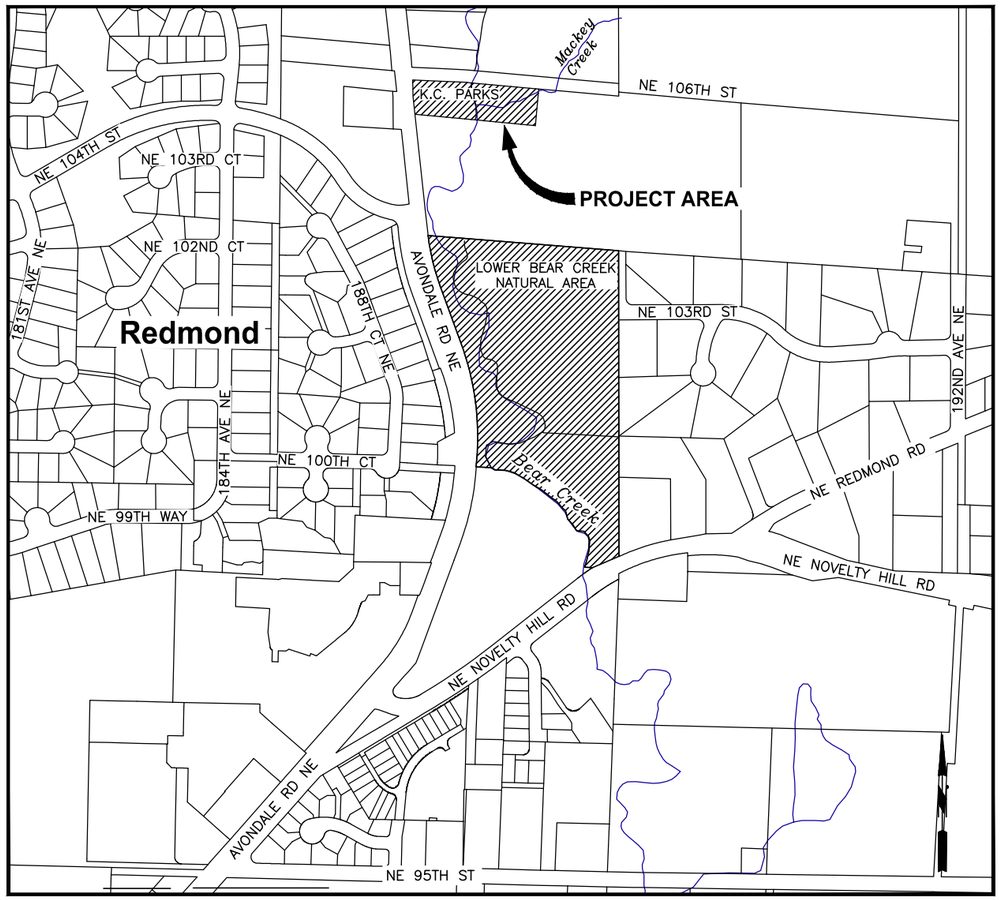
VICINITY MAP



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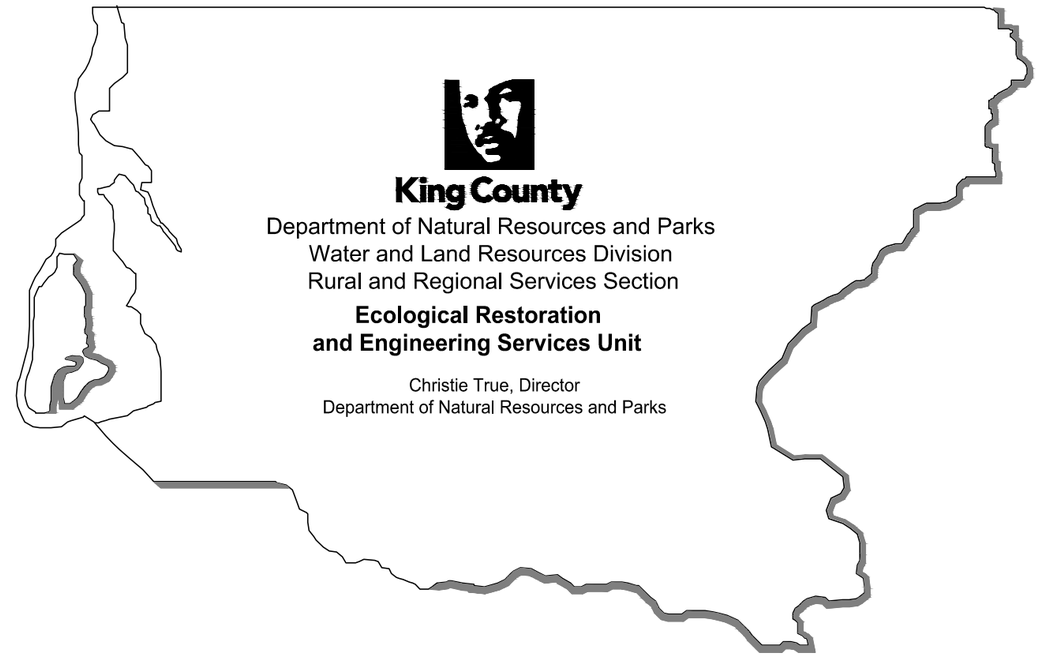
SHEET	DESCRIPTION
1	VICINITY MAP AND SHEET INDEX
2	EXISTING CONDITIONS
3	T.E.S.C. AND DEWATERING PLAN
4	PLAN AND PROFILE
5	SECTIONS
6	DETAILS
7	PLANTING PLAN



King County
Department of Natural Resources and Parks
Water and Land Resources Division
Rural and Regional Services Section
Ecological Restoration and Engineering Services Unit

Christie True, Director
Department of Natural Resources and Parks

KLAPP PROPERTY RESTORATION

PERMIT PLAN SET

NOT FOR CONSTRUCTION

MERIDIAN
W.S.L.G.N.Z.
DATUM
N.A.V.D. 88

CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-424-5555
(UNDERGROUND UTILITY LOCATIONS ARE APPROX.)

FILE:	KCROADS 14037	4-28-14
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SURVEY BASE MAP:	R. CLARK	4-28-14
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PROJECT MANAGER:	LAIRD O'ROLLINS	3/2015
DESIGNED:	ALEX HALLENIUS, P.E.	3/2015
	LAURA HARTEMA	3/2015
	TODD HURLEY, L.E.G.	3/2015
CAD DESIGN:	LICA DULAN	3/2015

FUNDING SOURCE No.
PROJECT No. 1116328
CONTRACT No. XXXX

WILLIAM R. MANSFIELD
STATE OF WASHINGTON
46388
REGISTERED
PROFESSIONAL ENGINEER

King County
Department of Natural Resources and Parks
Water and Land Resources Division
Rural and Regional Services Section
Ecological Restoration and Engineering Services Unit
Christie True, Director

KLAPP PROPERTY RESTORATION

VICINITY MAP AND SHEET INDEX

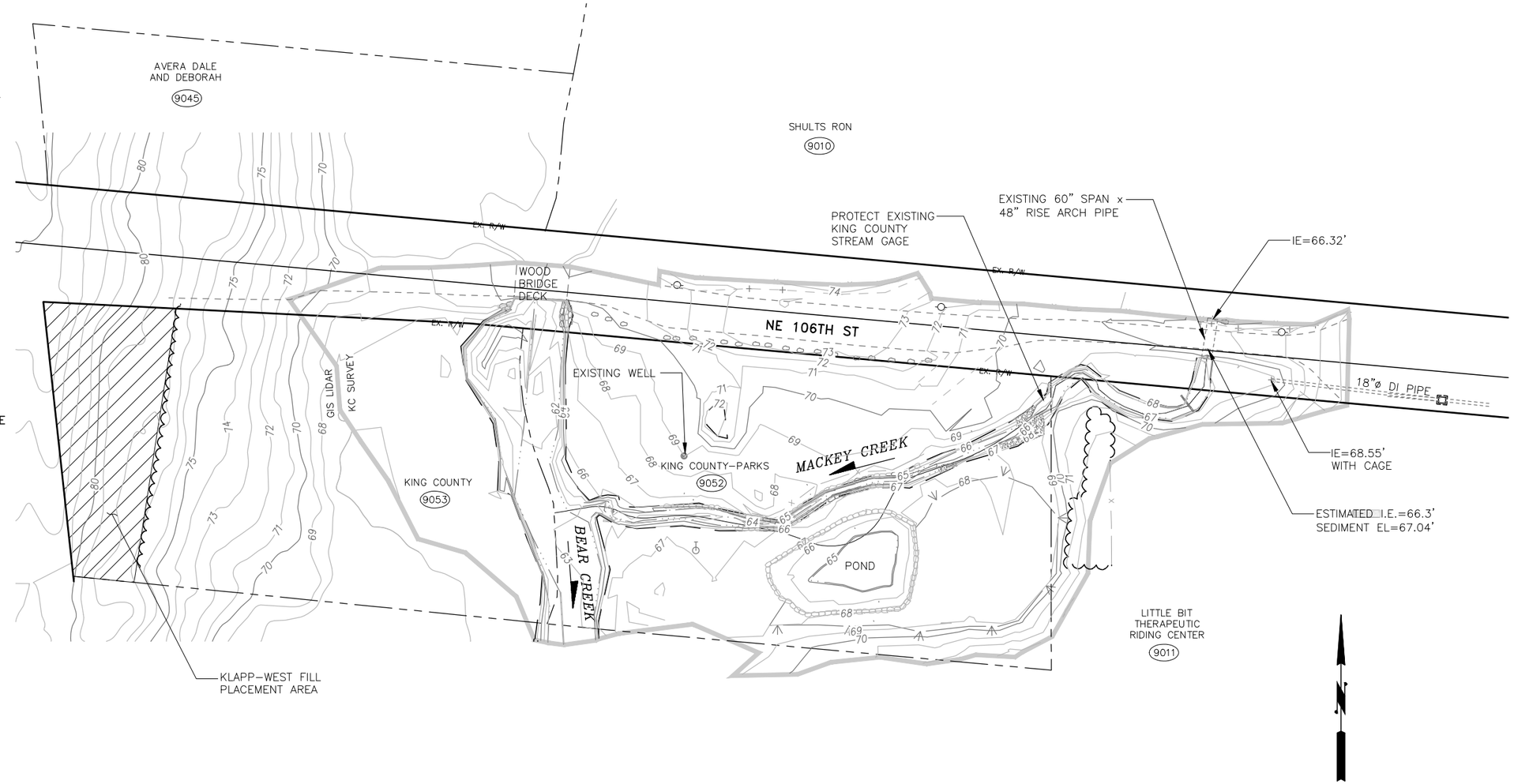
SHEET 1 OF 7 SHEETS

2014-12

LEGEND

SURVEY	DESCRIPTION
	EXISTING TREE
70	MAJOR CONTOURS
70	MINOR CONTOURS
EX. R/W	EXISTING RIGHT OF WAY
	PROPERTY LINE
	EDGE OF PAVEMENT (EOP)
	DRIVEWAY
x x	FENCE
	EDGE OF WATER
	STREAM
	WETLAND BOUNDARY
	VEGETATION BOUNDARY
	RIP RAP OR CONCRETE RUBBLE
	LAND SURVEYORS CAP
	HOSE BIBB
	WATER WELL
	GUY WIRE ANCHOR
	POWER POLE
	STORM DRAIN PIPE
OH-P	OVERHEAD POWER
UG-P UG-P	UNDERGROUND POWER
FO FO	FIBER OPTIC

CONTRACTOR SHALL VERIFY LOCATION AND DEPTHS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION



30 0 30 60 90
SCALE IN FEET

NOTES

1. BASIS OF BEARING IS THE WASHINGTON STATE PLANE COORDINATE SYSTEM. NORTH ZONE, N.A.D. 83/91, VERTICAL DATUM IS NAVD 88.
2. PLANS CONTAIN TOPOGRAPHIC DATA COMPILED FROM KING COUNTY ROAD SERVICES:
   - TOPOGRAPHY AND GROUND FEATURE SURVEY BY KING COUNTY ROAD SERVICES, APRIL 2014.
   - TERRESTRIAL LIDAR FROM KING COUNTY GIS SOURCE
3. PROPERTY LINES AND RIGHT-OF-WAY SHOWN ARE SOURCED FROM KING COUNTY ASSESSORS GIS DATABASE, AND ARE NOT INTENDED TO IMPLY A BOUNDARY SURVEY.

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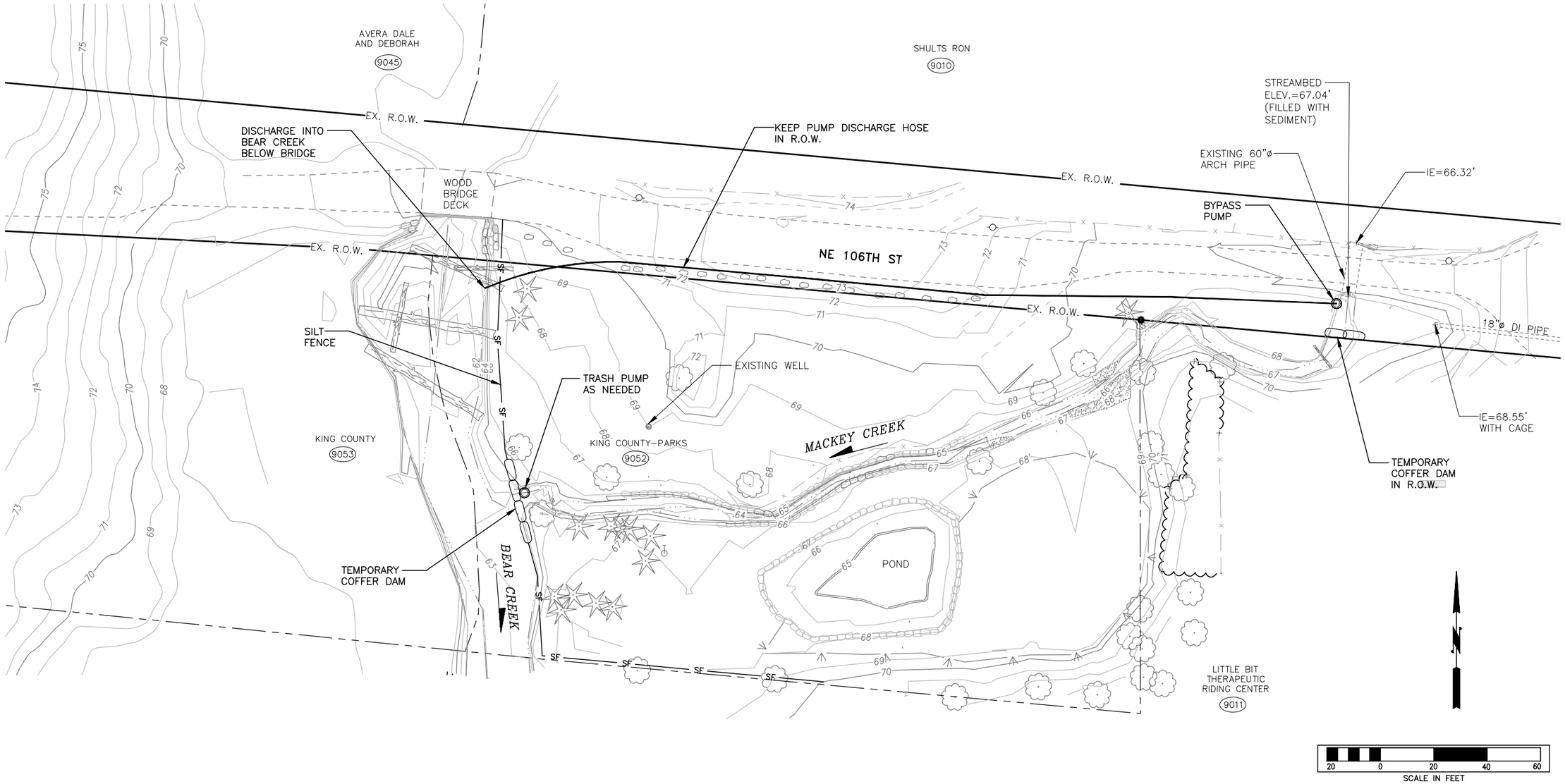
Ecological Restoration and Engineering Services Unit
Christie True, Director

KLAPP PROPERTY RESTORATION

EXISTING CONDITIONS

SHEET **2** OF **7** SHEETS

2014-12



NOTES

- FISH REMOVAL BY KING COUNTY DNRP–WLRD.
- ABOVE PLAN IS A MINIMUM. AMEND AS NEEDED TO MEET APPLICABLE WATER QUALITY STANDARDS.

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Christie True, Director

KLAPP PROPERTY RESTORATION

T.E.S.C. PLAN

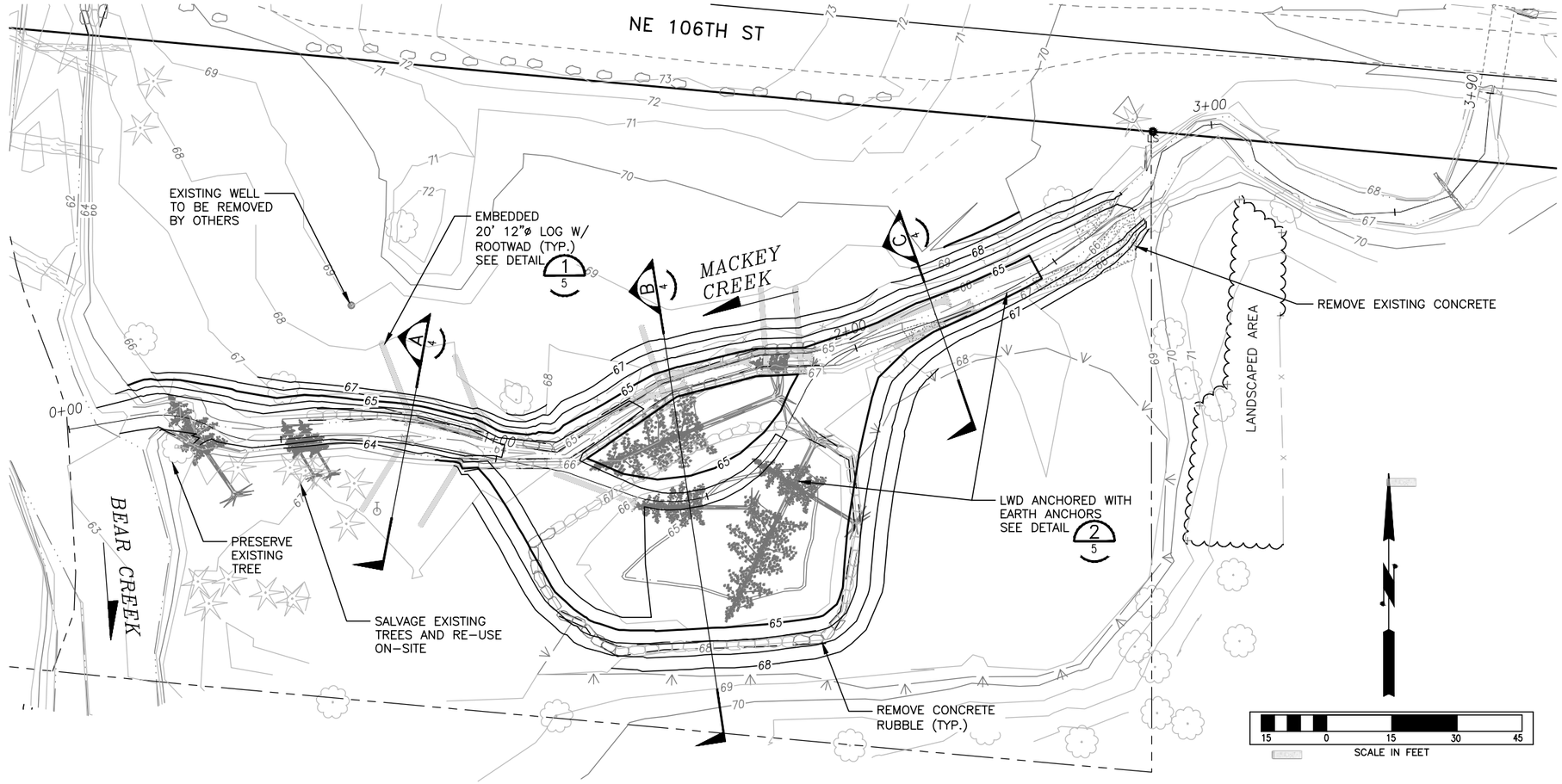
SHEET **3** OF **7** SHEETS

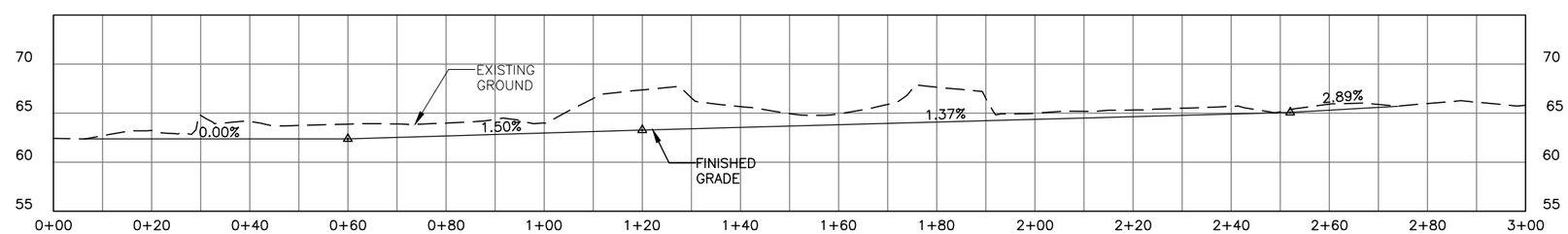
2014-12

NOTES

- SLASH MATERIAL TO BE ADDED TO POND PER FIELD DIRECTIONS BY ECOLOGIST.
- EXTENT OF CONCRETE RUBBLE BASED ON LIMITED FIELD DATA. ACTUAL QUANTITY MAY VARY.
- ALL TREES DISTURBED BY EXCAVATION TO BE RE-USED ON-SITE.

LWD SCHEDULE				
SYMBOL	TYPE	DIAMETER	LENGTH	NO. OF PIECES
	LOG W/ ROOTWAD	8"-12"	20'-25'	17
	INTACT TREE	8"-12"	VARIES	8





PROFILE VIEW

HORIZONTAL SCALE IN FEET (15 0 15) VERTICAL SCALE IN FEET (5 0 5)

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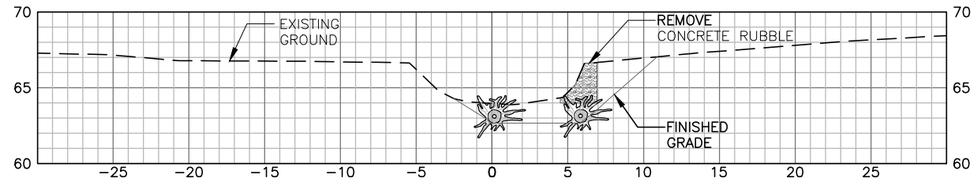
KLAPP PROPERTY RESTORATION

PLAN AND PROFILE

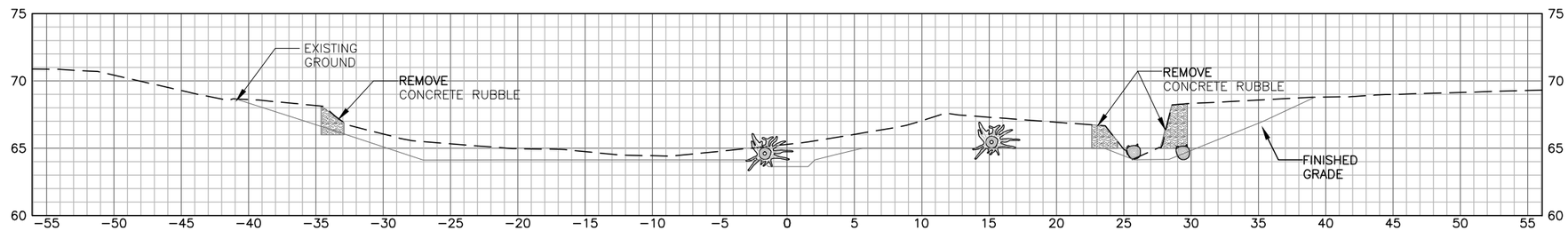
SHEET **4** OF **7** SHEETS

2014-12



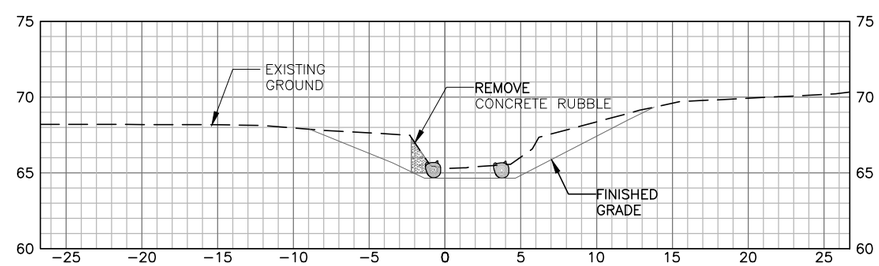
SECTION A–A (A / 3)

5 0 5
SCALE IN FEET



SECTION B–B (B / 3)

5 0 5
SCALE IN FEET



SECTION C–C (C / 3)

5 0 5
SCALE IN FEET

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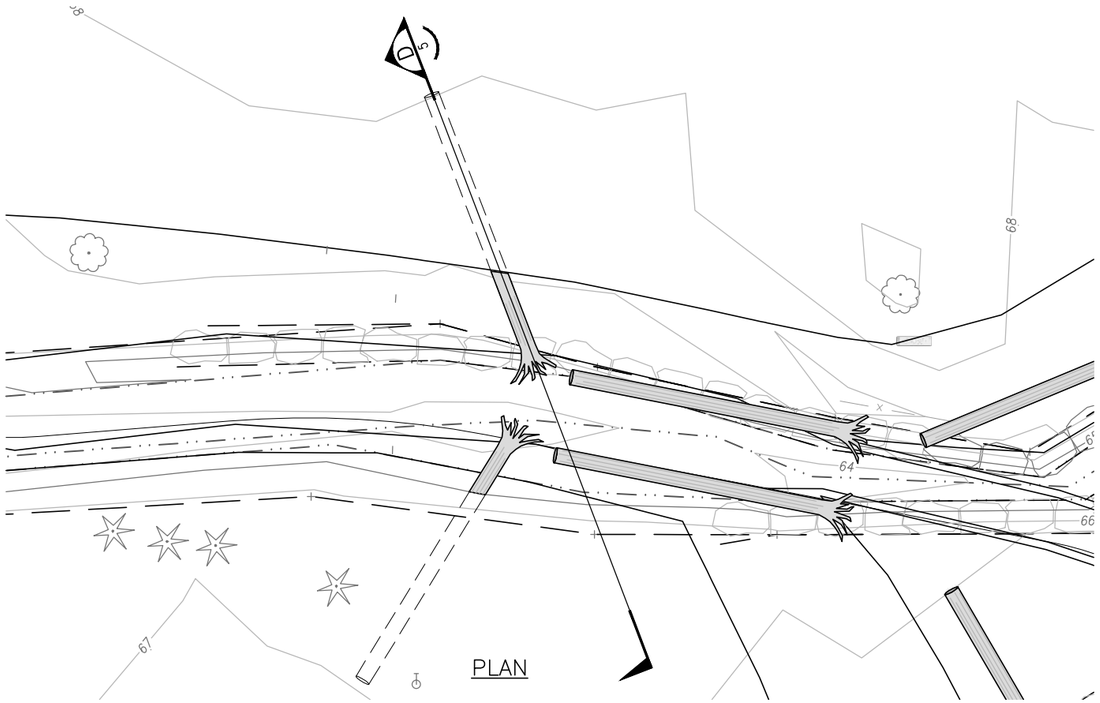
KLAPP PROPERTY RESTORATION

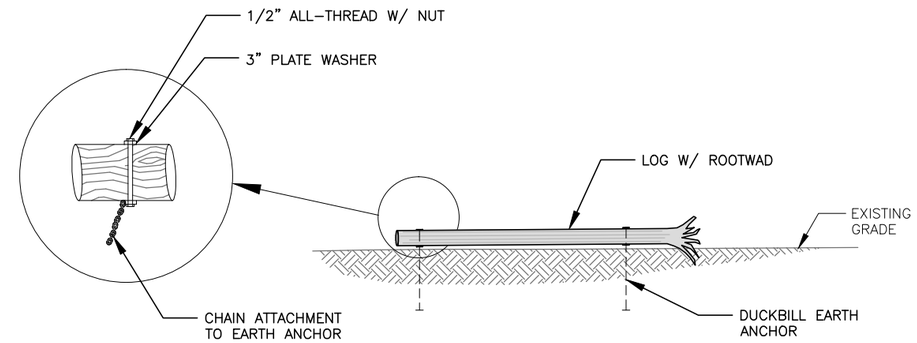
SECTIONS

SHEET **5** OF **7** SHEETS

2014-12

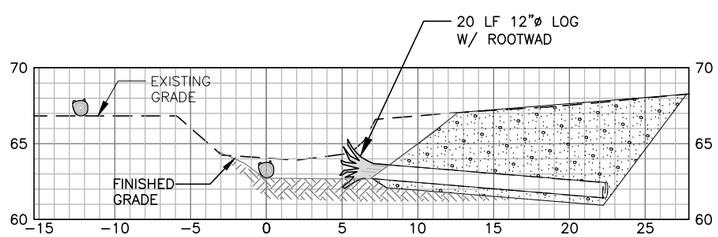


PLAN



EARTH ANCHOR DETAIL 2/5

NOT TO SCALE



SECTION D–D

EMBEDDED LOG DETAIL 1/3

5 0 5

SCALE IN FEET

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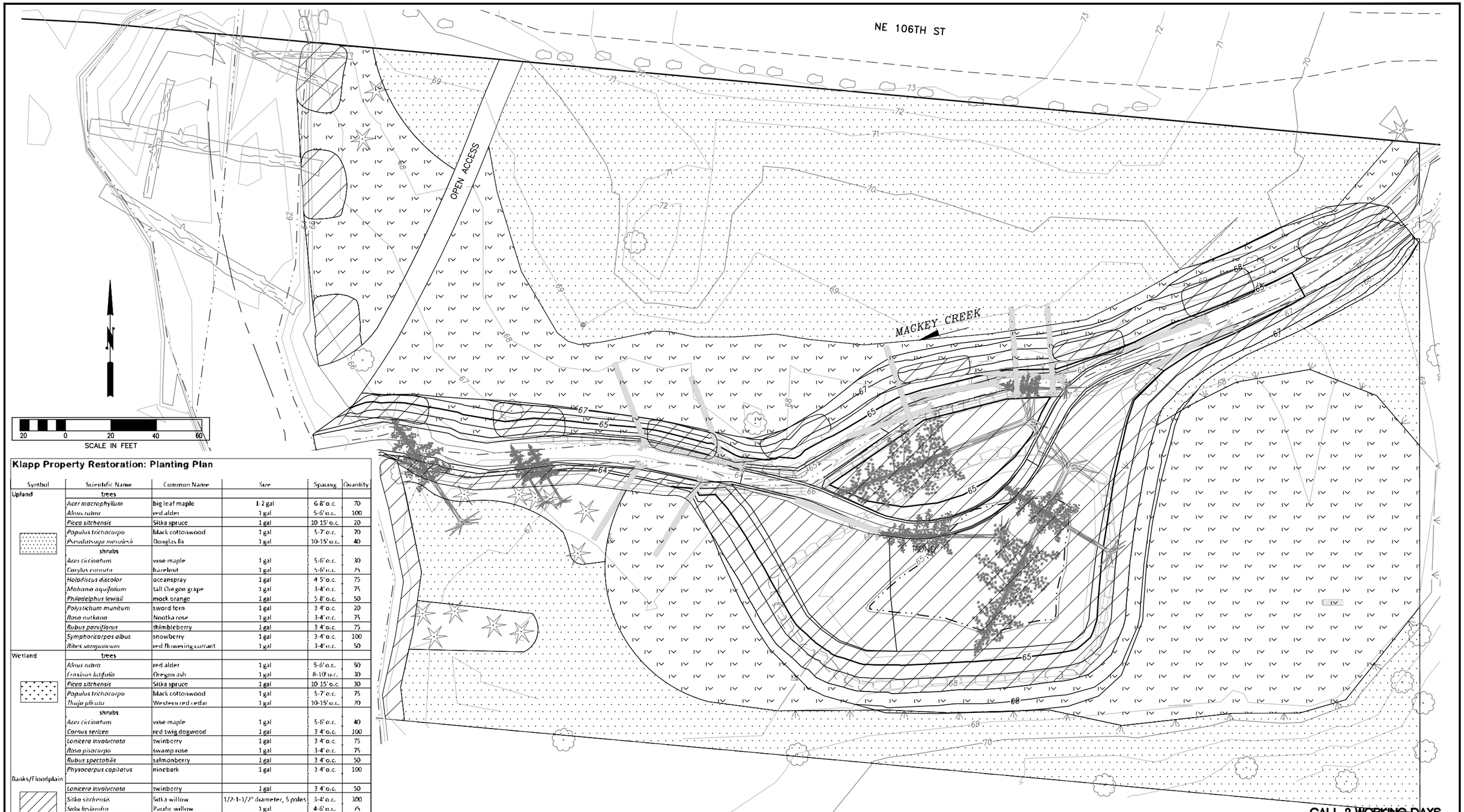
KLAPP PROPERTY RESTORATION

DETAILS

SHEET **6** OF **7** SHEETS

2014-12



Klapp Property Restoration: Planting Plan

Symbol	Scientific Name	Common Name	Size	Spacing	Quantity
Upland	**trees**				
	Acer macrophyllum	big leaf maple	1-2 gal	6-8' o.c.	70
	Alnus rubra	red alder	1 gal	5-6' o.c.	100
	Picea sitchensis	Sitka spruce	1 gal	10-15' o.c.	20
	Populus trichocarpa	black cottonwood	1 gal	5-7' o.c.	70
	Pseudotsuga menziesii	Douglas fir	1 gal	10-15' o.c.	40
	shrubs				
	Acer circinatum	vine maple	1 gal	5-6' o.c.	30
	Corylus cornuta	hazelnut	1 gal	5-6' o.c.	25
	Holodiscus discolor	oceanspray	1 gal	4-5' o.c.	75
	Mahonia aquifolium	tall Oregon grape	1 gal	3-4' o.c.	75
	Philadelphus lewisii	mock orange	1 gal	5-8' o.c.	50
	Polystichum munitum	sword fern	1 gal	3-4' o.c.	20
	Rosa nutkana	Nootka rose	1 gal	3-4' o.c.	75
	Rubus parviflorus	thimbleberry	1 gal	3-4' o.c.	75
	Symphoricarpos albus	snowberry	1 gal	3-4' o.c.	100
	Ribes sanguineum	red flowering currant	1 gal	3-4' o.c.	50
Wetland	**trees**				
	Alnus rubra	red alder	1 gal	5-6' o.c.	50
	Fraxinus latifolia	Oregon ash	1 gal	8-10' o.c.	30
	Picea sitchensis	Sitka spruce	1 gal	10-15' o.c.	30
	Populus trichocarpa	black cottonwood	1 gal	5-7' o.c.	75
	Thuja plicata	Western red cedar	1 gal	10-15' o.c.	70
	shrubs				
	Acer circinatum	vine maple	1 gal	5-6' o.c.	40
	Cornus sericea	red twig dogwood	1 gal	3-4' o.c.	100
	Lonicera involucrata	twinberry	1 gal	3-4' o.c.	75
	Rosa pisocarpa	swamp rose	1 gal	3-4' o.c.	75
	Rubus spectabilis	salmonberry	1 gal	3-4' o.c.	50
	Physocarpus capitatus	ninebark	1 gal	3-4' o.c.	100
Banks/Floodplain					
	Lonicera involucrata	twinberry	1 gal	3-4' o.c.	50
	Salix sitchensis	Sitka willow	1/2-1-1/2" diameter, 5 poles	3-4' o.c.	300
	Salix lasiandra	Pacific willow	1 gal	4-6' o.c.	75
	Cornus sericea	red twig dogwood	1 gal	3-4' o.c.	100

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KLAPP PROPERTY RESTORATION

PLANTING PLAN

SHEET 7 OF 7 SHEETS

2014-12