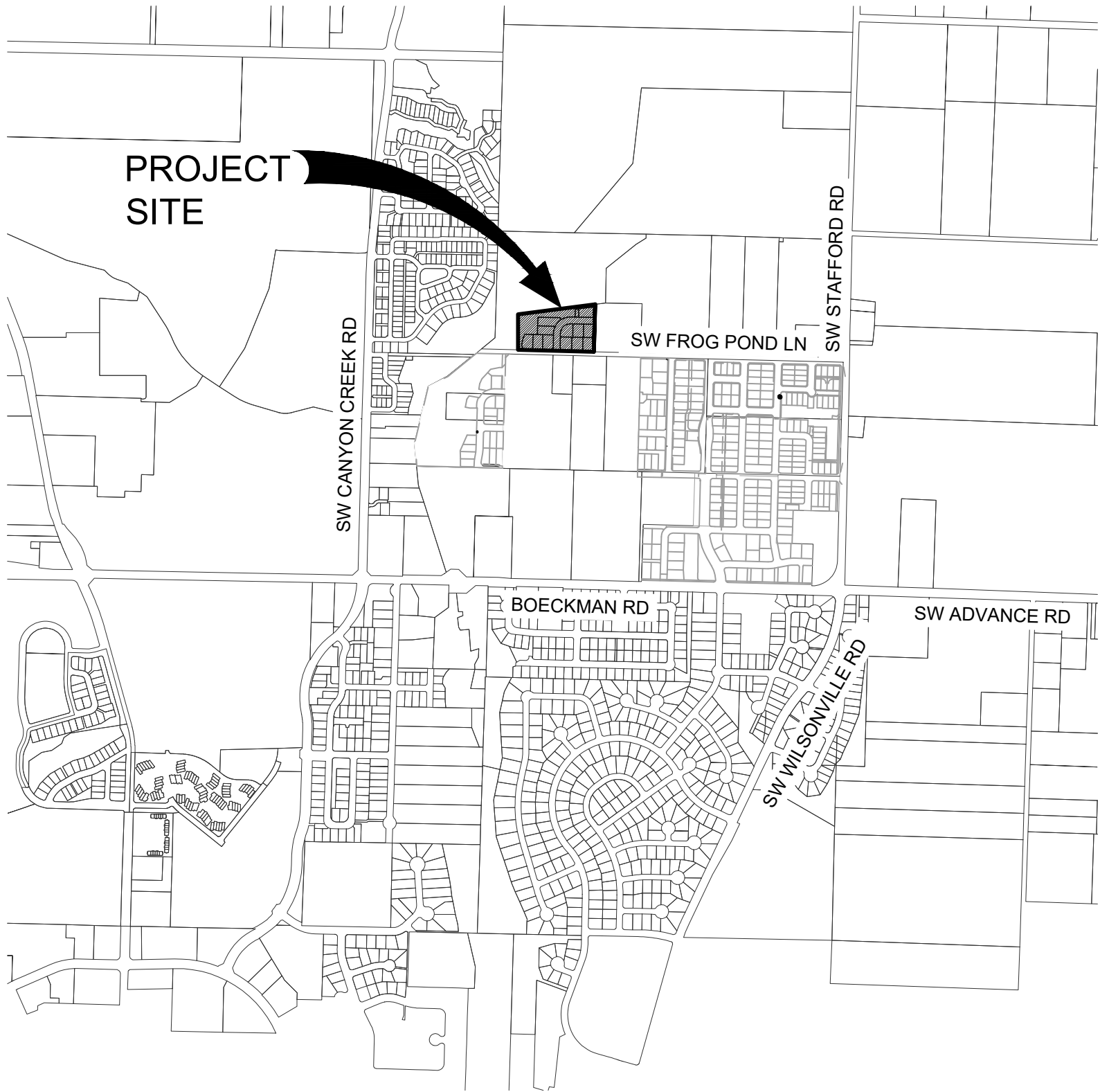
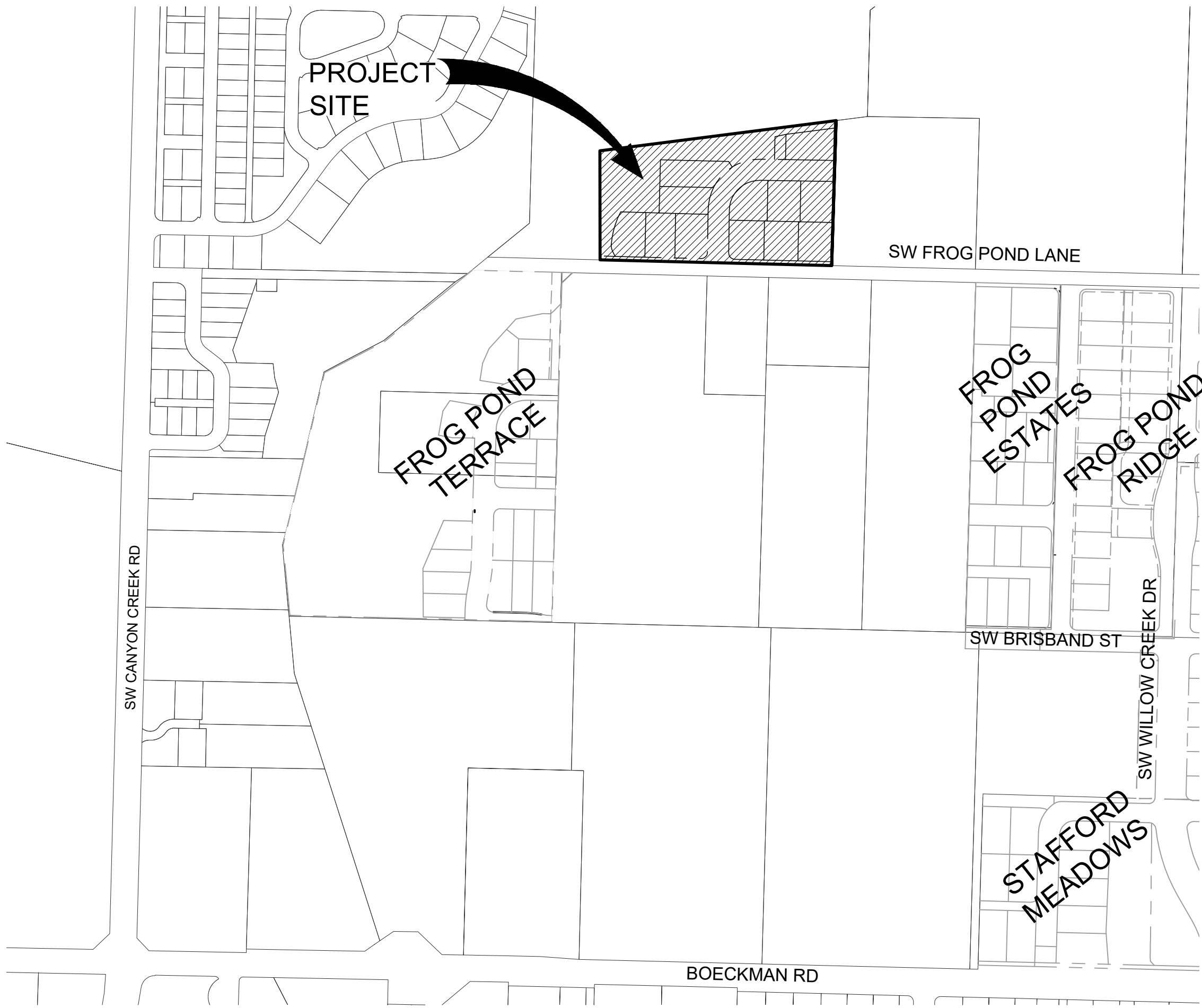


FROG POND OVERLOOK
PLANNED DEVELOPMENT
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON



VICINITY MAP
N.T.S.



PROJECT MAP
N.T.S.

APPLICANT/ DEVELOPER

NAME: WEST HILLS LAND DEVELOPMENT
CONTACT: DAN GRIMBERG
ADDRESS: 3330 NW YEON AVENUE, SUITE 200
PORTLAND, OR 97210
PHONE: (503) 641-7342

PLANNER /CIVIL ENGINEER/ SURVEYOR/ LANDSCAPE ARCHITECT

NAME: OTAK INCORPORATED
PLANNER: LI ALLIGOOD, AICP
ENGINEER: KEITH BUISMAN, P.E.
SURVEYOR: MICHAEL SPELTS, PLS
LANDSCAPE ARCHITECT: GABRIEL KRUSE
ADDRESS: 808 SW THIRD AVENUE, SUITE 800
PORTLAND, OR 97204
PHONE: (503) 287-6825

NATURAL RESOURCES CONSULTANT

NAME: AKS ENGINEERING & FORESTRY, LLC
CONTACT: STACEY REED, PWS
ADDRESS: 12965 SW HERMAN RD, SUITE 100
TUALATIN, OR 97062
PHONE: (503) 563-6151

GEOTECHNICAL ENGINEER

NAME: HARDMAN GEOTECHNICAL SERVICES, INC.
CONTACT: SCOTT HARDMAN, P.E.
ADDRESS: 10110 SW NIMBUS AVENUE, SUITE B-5
PORTLAND, OR 97223
PHONE: (503) 530-8076

ARBORIST

NAME: PORTLAND TREE CONSULTING
CONTACT: PETER TORRES
ADDRESS: PO BOX 19042
PORTLAND, OR 97280
PHONE: (503) 421-3883

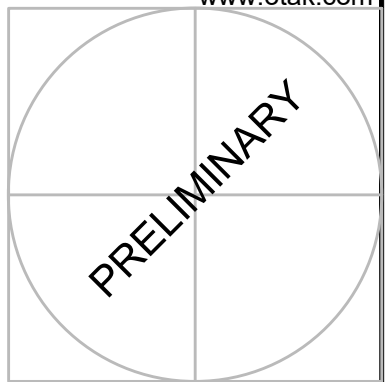
SITE INFORMATION

CLACKAMAS COUNTY
CITY OF WILSONVILLE, OREGON, 97070
TAXLOT: 3S 1W 12D 700 (7315 SW FROG POND LANE)
AREA (AC): 3.67

SHEET INDEX	
Sheet Number	Sheet Title
P0.00	COVER SHEET
P1.00	EXISTING CONDITIONS - AERIAL
P1.10	EXISTING CONDITIONS - SURVEY MAPPING
P2.00	PRELIMINARY SITE PLAN
P2.10	PRELIMINARY STREET CROSS SECTIONS
P3.00	PRELIMINARY PLAT
P4.00	PRELIMINARY UTILITY PLAN
P5.00	PRELIMINARY GRADING PLAN
P6.00	ANNEXATION PLAN
P7.00	ZONING MAP
P8.00	PROPOSED CIRCULATION AND CONNECTIVITY
P9.00	SHADOW PLAT STREET LAYOUT
P10.00	SUB-DISTRICTS AND DENSITY
P11.00	SIGHT LINES TO BOECKMAN CREEK CORRIDOR
L1.00	TREE PROTECTION PLAN
L1.10	TREE INVENTORY
L2.00	LANDSCAPE PLAN
L2.10	TRACT LANDSCAPE PLAN
L2.20	LIDA SWALE PLANTING PLANS
L3.00	LANDSCAPE NOTES AND DETAILS
IL-1	ILLUMINATION NOTES
IL-2	ILLUMINATION DETAILS
IL-3	ILLUMINATION DETAILS
IL-4	ILLUMINATION PLAN



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FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON
COVER SHEET

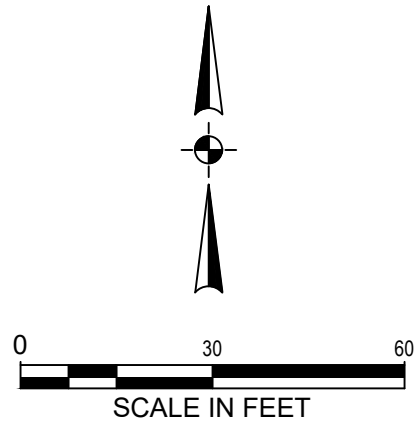
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#	DATE	DESCRIPTION
REVISIONS		
NAVD88 DATUM		
OTAK CAD KJB		
DRAWN BY CHECKED BY		
LAND USE SUBMITTAL STATUS		
MAY 23, 2022 DATE		
20015 PROJECT NUMBER		
P0.00		
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EXISTING LEGEND

PROPERTY LINE	---
PROJECT LIMITS	----
EXISTING 5' CONTOUR	- - - -
OVERHEAD LINE	—OHL—
COM. CABLE LINE	—C—
GAS LINE	—G—
WATER LINE	—W—
ELECTRIC LINE	—P—
SANITARY SEWER LINE	—SS—
WETLANDS	
CULVERT PIPE	----
TREES	✱



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PRELIMINARY

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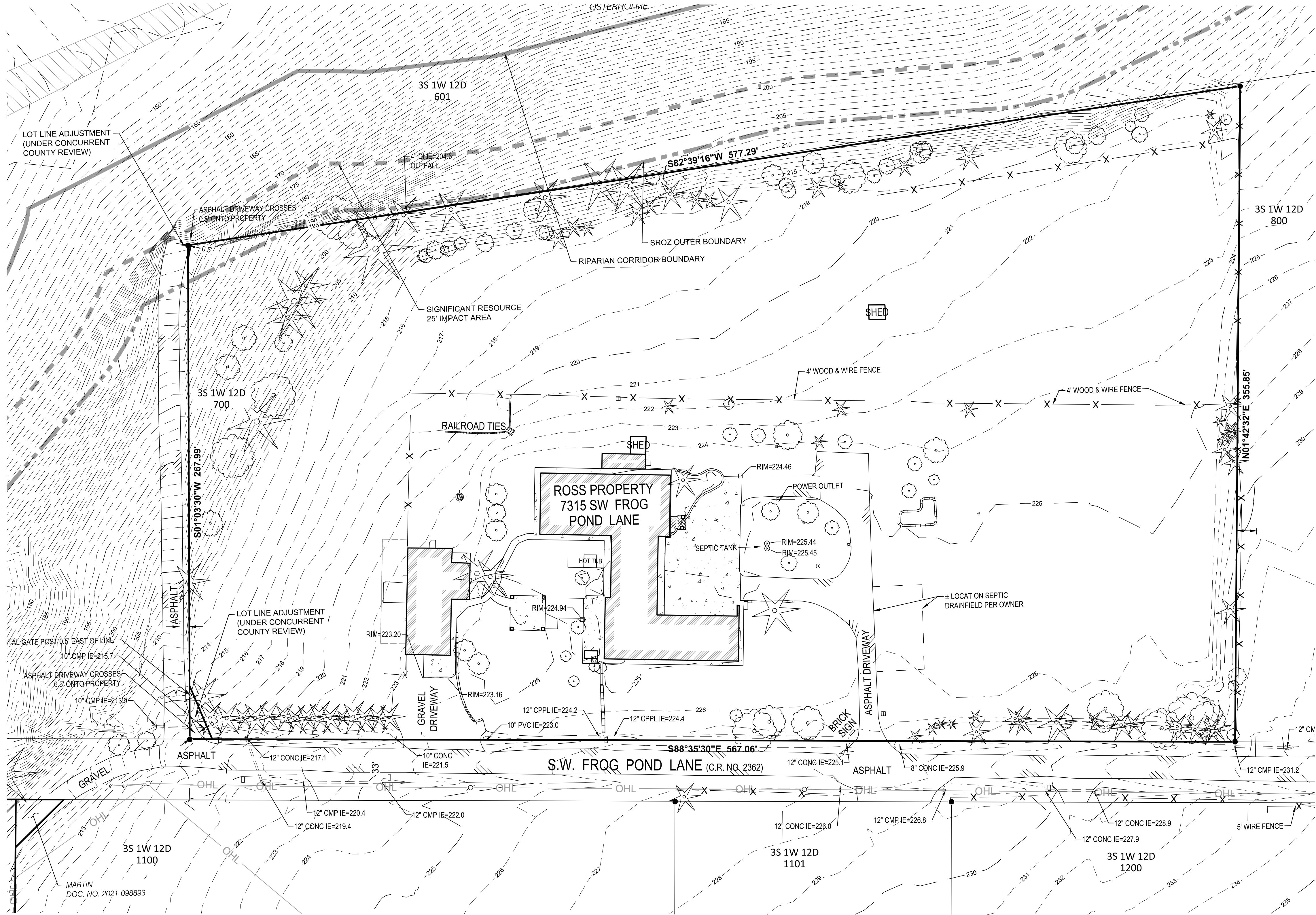
WEST HILLS
LAND DEVELOPMENT
CONSULTANT

FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

EXISTING CONDITIONS - AERIAL

TITLE		
#	DATE	DESCRIPTION
REVISIONS		
NAVD88		
DATUM		
OTAK CAD		KJB
DRAWN BY		CHECKED BY
LAND USE SUBMITTAL		
STATUS		
MAY 23, 2022		
DATE		
20015		
PROJECT NUMBER		
P1.00		
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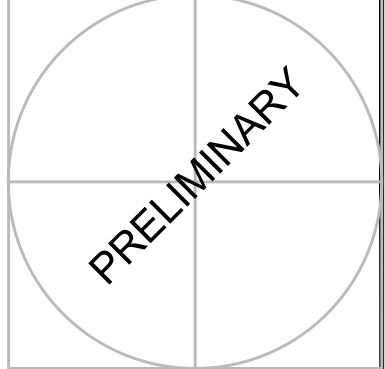


EXISTING LEGEND

PROPERTY LINE	---
PROJECT LIMITS	-----
EXISTING 5' CONTOUR	- - - - -
OVERHEAD LINE	---OHL---
COM. CABLE LINE	---C---
GAS LINE	---G---
WATER LINE	---W---
ELECTRIC LINE	---P---
SANITARY SEWER LINE	---SS---
WETLANDS	-----
CULVERT PIPE	-----
TREES	---X---



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FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

EXISTING CONDITIONS - SURVEY MAPPING

TITLE

#	DATE	DESCRIPTION

REVISIONS

NAVDB8

DATUM

OTAK CAD KJB

DRAWN BY CHECKED BY

LAND USE SUBMITTAL

STATUS

MAY 23, 2022

DATE

20015

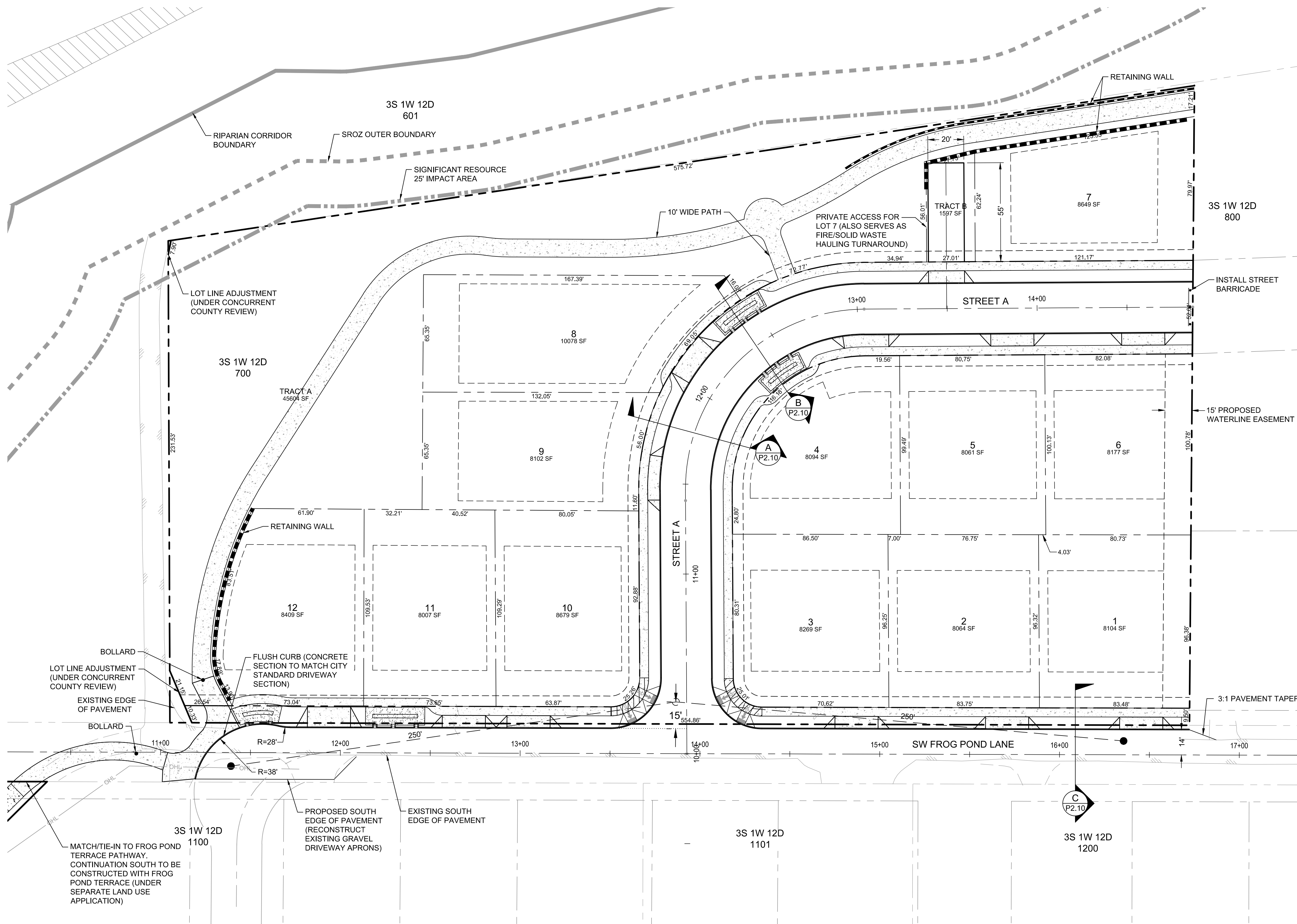
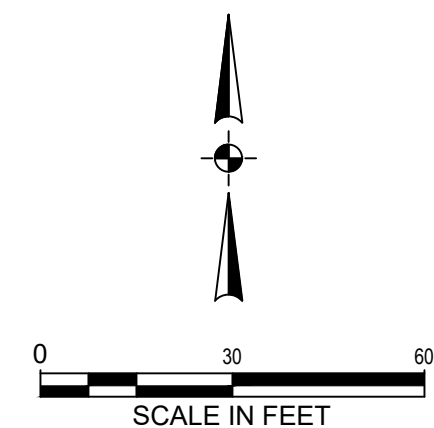
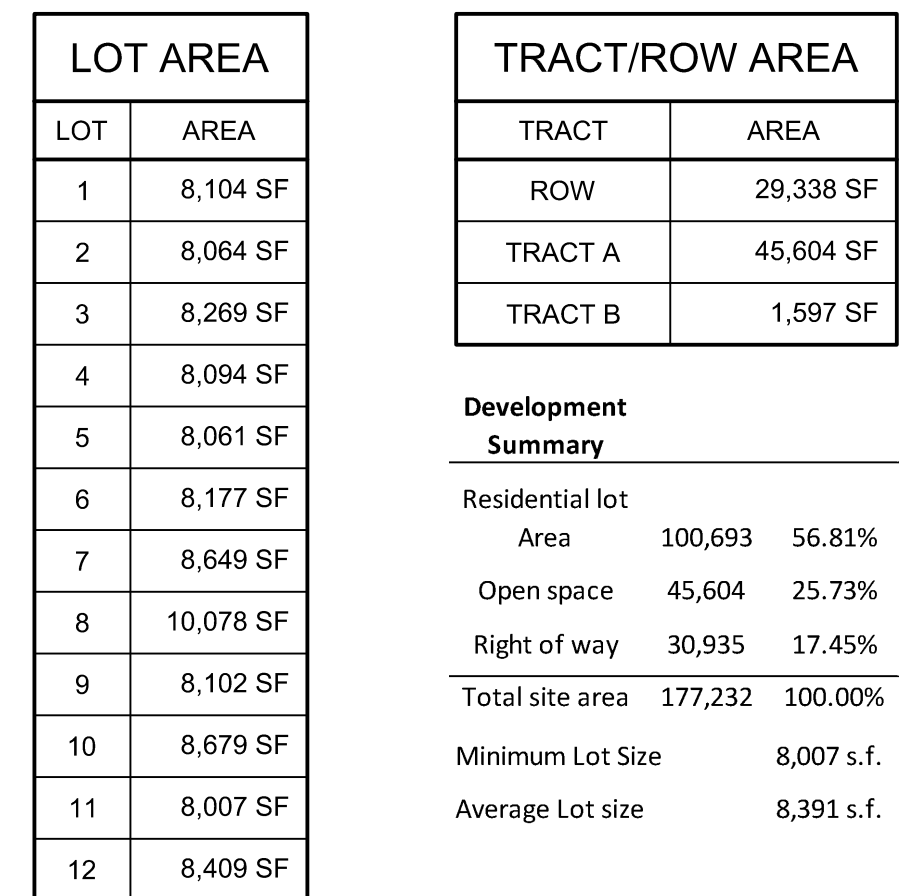
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P1.10

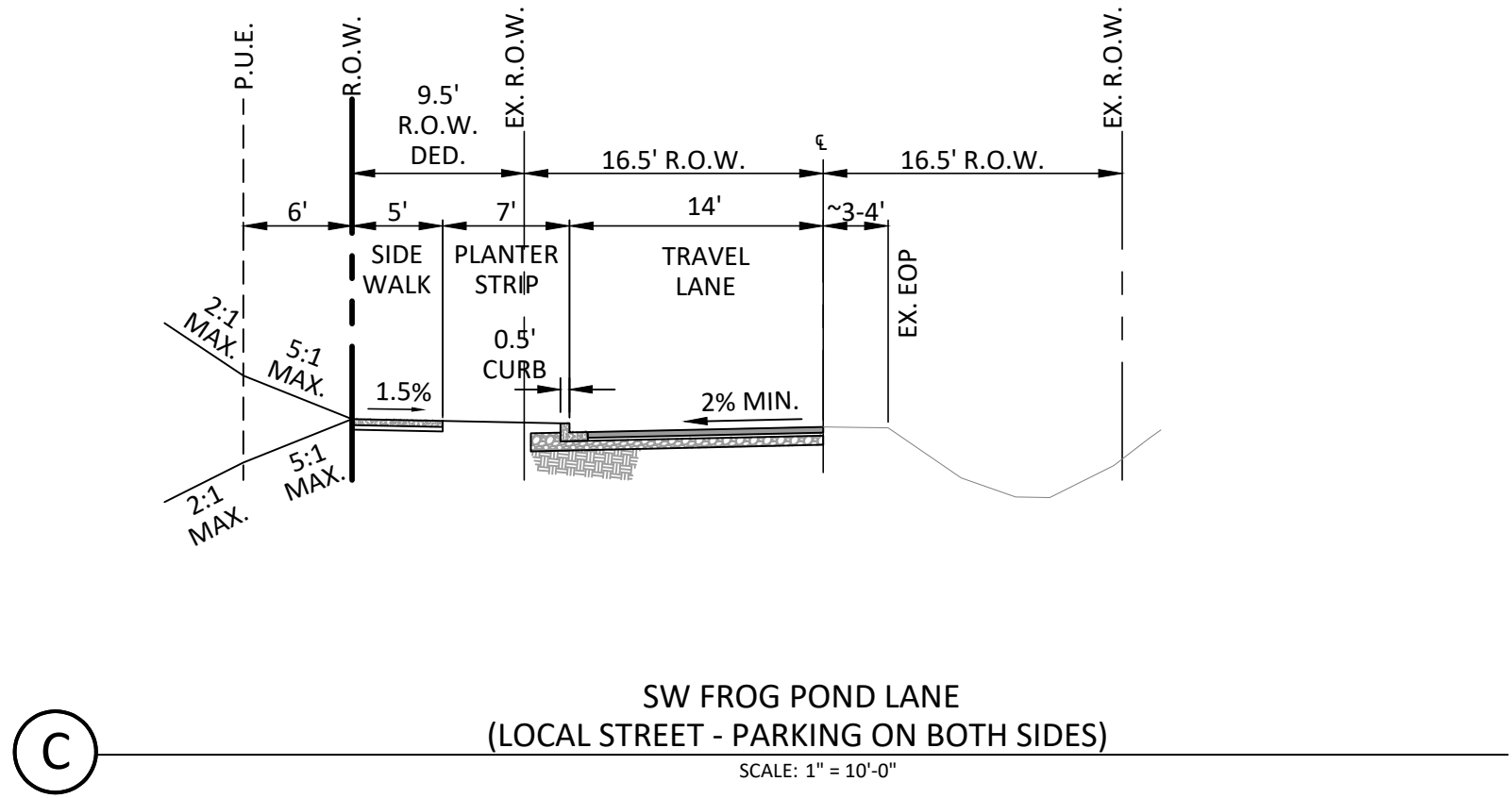
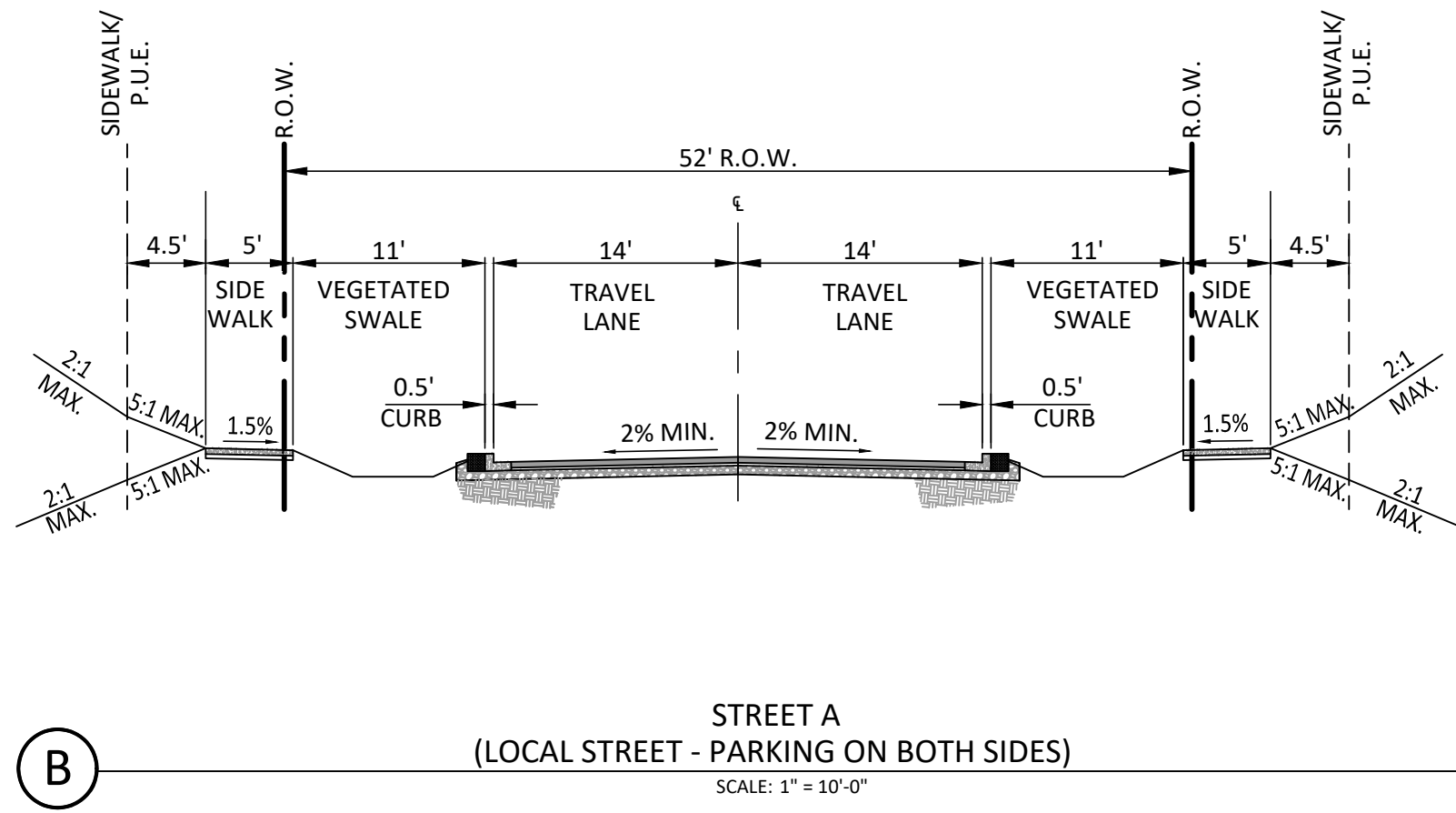
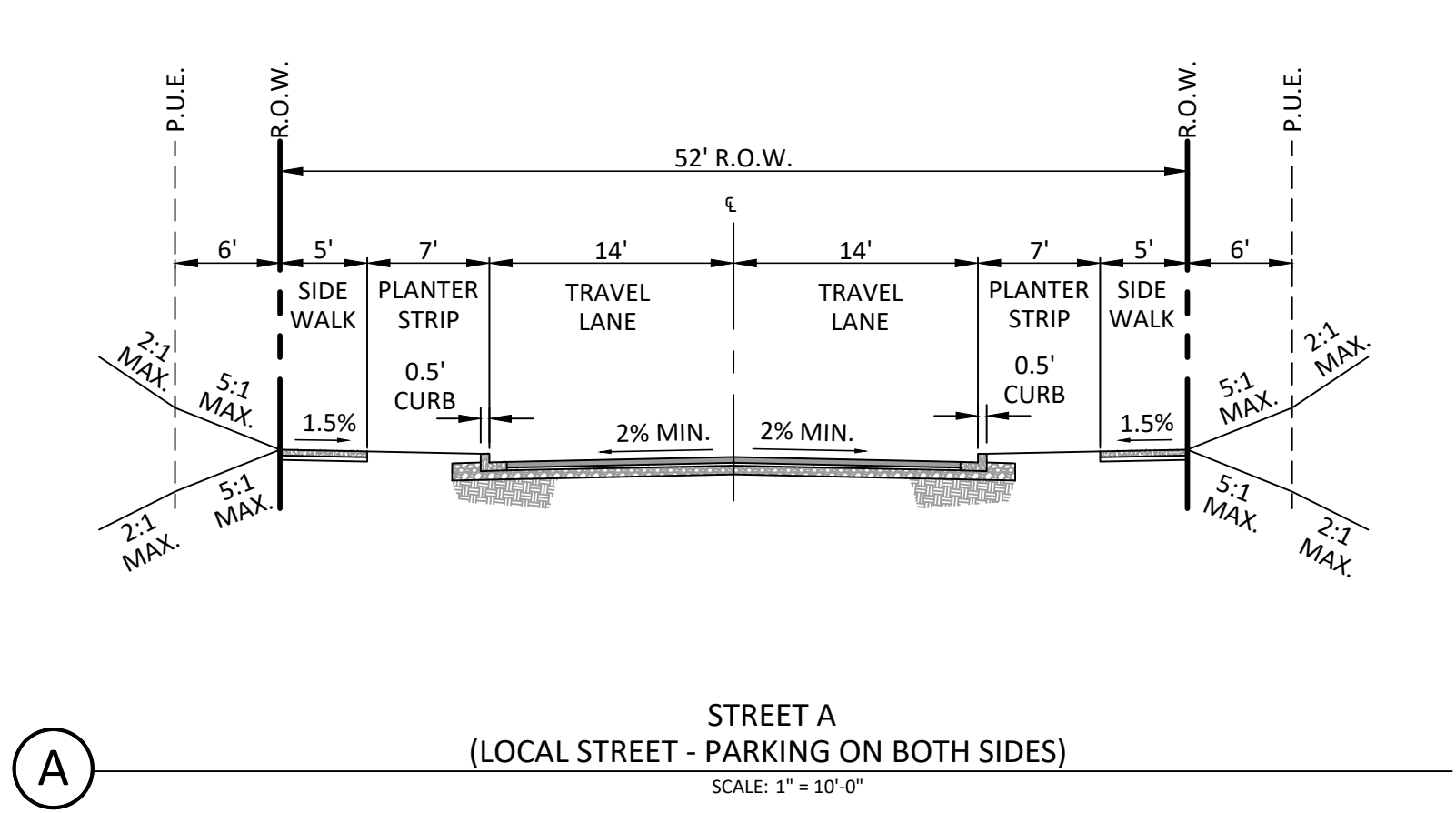
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PROPERTY LINE
CENTER LINE
LOT LINE
LOT SETBACK
LOT NUMBER / NAME
EASEMENT LINE
STANDARD CURB
SIDEWALK
RETAINING WALL
INTERSECTION SIGHT
DISTANCE
TYPICAL STREET CROSS SECTION
(SEE SHEET P2.10)
PUBLIC RAIN GARDEN
DRIVEWAY
CURB RAMP



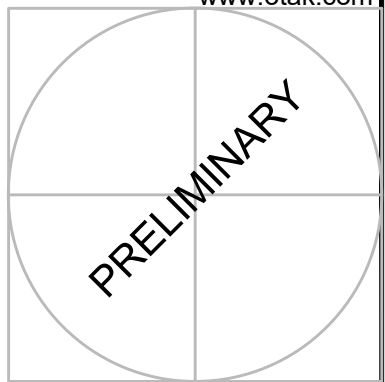
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STREET CROSS SECTIONS
SEE SHEET P2.00 FOR SECTION LOCATIONS



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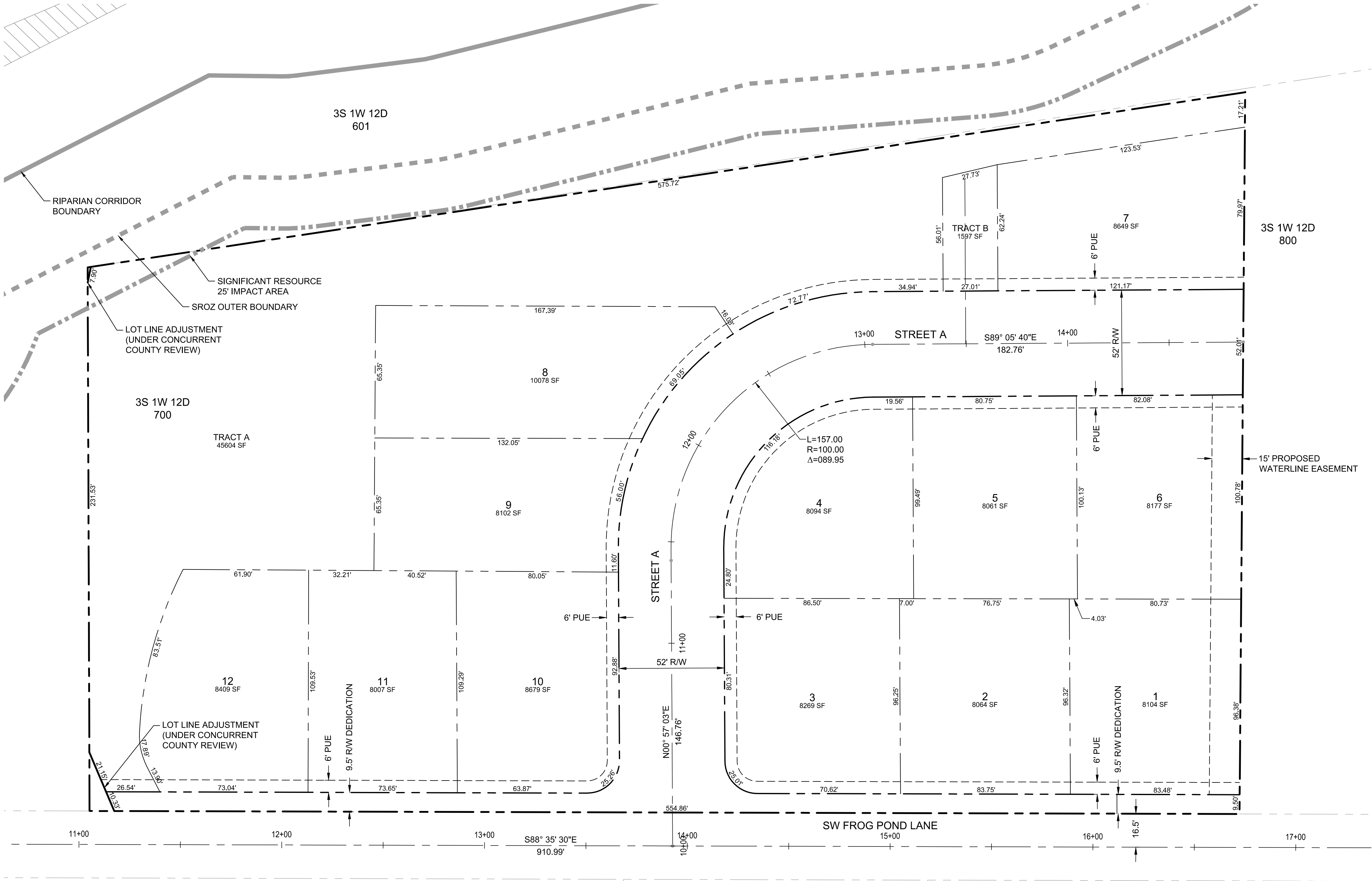


FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

PRELIMINARY STREET CROSS SECTIONS

TITLE		
#	DATE	DESCRIPTION
REVISIONS		
NAVD88 DATUM		
OTAK CAD KJB		
DRAWN BY CHECKED BY		
LAND USE SUBMITTAL STATUS		
MAY 23, 2022 DATE		
20015 PROJECT NUMBER		
P2.10		
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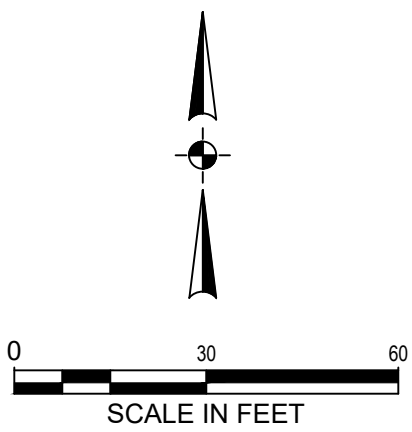


GENERAL NOTES:

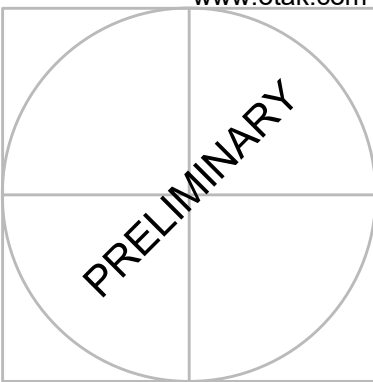
- TRACT A IS FOR OPEN SPACE, PEDESTRIAN ACCESS, AND NATURAL RESOURCE PURPOSES.
- TRACT B IS FOR PRIVATE ACCESS TO LOT 7 AND ALSO INCLUDES A FIRE/SOLID WASTE HAULING TURNAROUND.

LEGEND

	PROPOSED
RIGHT OF WAY	---
CENTER LINE	---
LOT LINE	---
EASEMENT LINE	---
LOT NUMBER / NAME	2



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FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

PRELIMINARY PLAT

#	DATE	DESCRIPTION

REVISIONS	
NAVD88	
DATUM	
OTAK CAD	KJB
DRAWN BY	CHECKED BY
LAND USE SUBMITTAL	
STATUS	
MAY 23, 2022	
DATE	
20015	
PROJECT NUMBER	

P3.00

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- ① CONNECT TO SANITARY SEWER PROPOSED WITH FROG POND TERRACE.
- ② CONNECT TO STORM SEWER PROPOSED WITH FROG POND TERRACE.
- ③ CONNECT TO WATER LINE TO BE CONSTRUCTED WITH FROG POND ESTATES.
- ④ PROPOSED VEGETATED SWALE (CITY STD. DWG. ST-6045 W/ 12" WIDE CONCRETE STEP-OFF WALK ADJACENT TO PAVEMENT).
- ⑤ PROPOSED PATHWAY LIGHT POLE (12" POLE HEIGHT WITH HOUSE SIDE SHIELD).

SITE	PROPOSED
PROJECT BOUNDARY	— — — — —
STORM DRAIN MANHOLE	
STORM DRAIN CLEAN OUT	
LIDA FLOW CONTROL STRUCTURE (BEEHIVE: CITY STANDARD DWG. ST-6120)	
CATCH BASIN	
STORM DRAIN MAIN	— SD — SD —
STORM DRAIN LATERAL	— SD — SD —
SANITARY SEWER MANHOLE	
SANITARY SEWER CLEAN OUT	
SANITARY SEWER MAIN	— SS — SS —
SANITARY SEWER LATERAL	— SS — SS —
WATER VALVE	
WATER BLOW-OFF	
WATER METER	
WATER FIRE HYDRANT	
WATER MAIN	— W — W —
WATER LATERAL	— — — — —
STREET LIGHT	
PGE OPTION "B" LED WITH WESTBROOKE 35W LED AND 18" DECORATIVE ALUMINUM POLE (20' MOUNTING HEIGHT W/ 4' MAST ARM)	

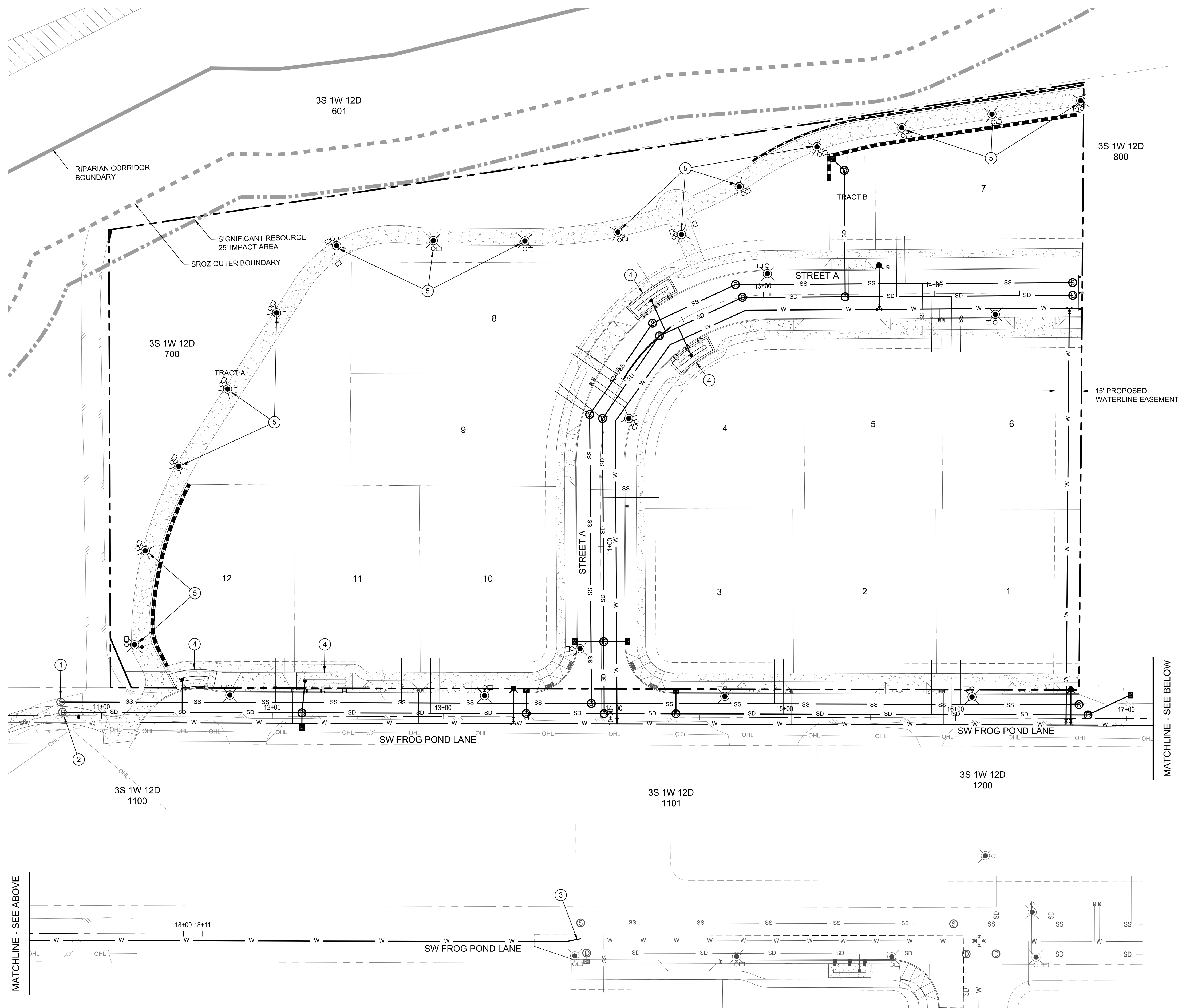
FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

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TITLE		
#	DATE	DESCRIPTION
REVISIONS		
NAVD88		
DATUM		
OTAK CAD		K
DRAWN BY		CHECKED
LAND USE SUBMITTAL		
STATUS		
MAY 23, 2022		
DATE		
20015		
PROJECT NUMBER		

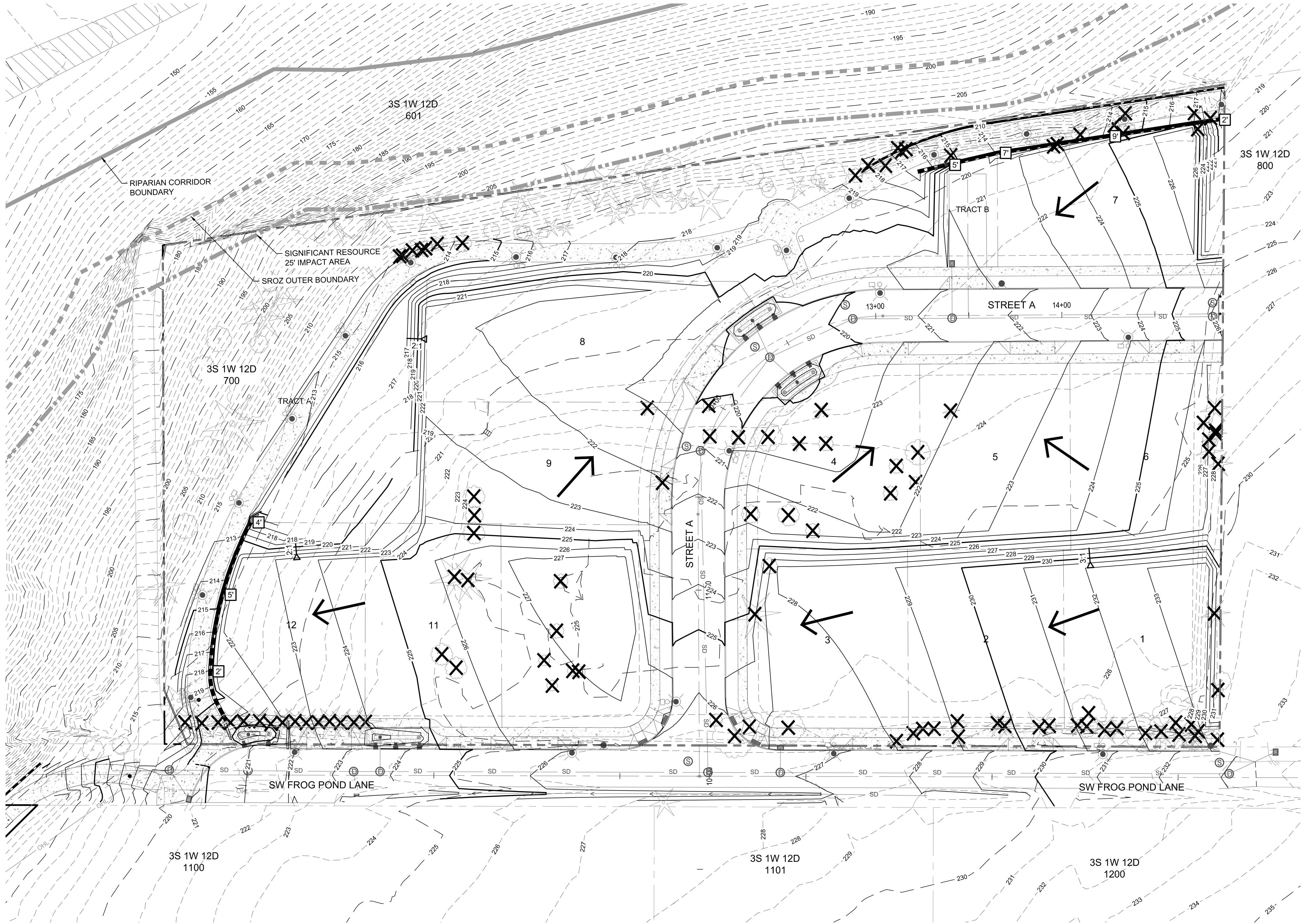
P4.00

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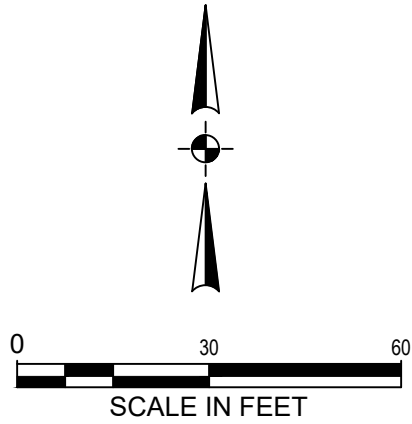
Plotted: May 23, 2022 - 1:38pm Mike Havnes L:\Project\20000\20015\CADD\ACAD\Draw\Frog Pond - Overlook\P20015P400.dwg Layout Name: P4.00

Plotted: Aug 16, 2022 4:23pm gabriel.kruse L:\Project\2000\20015\CADD\ACAD\DrawEroPond - Overview\P20015P500.dwg Layout Name: P5.00

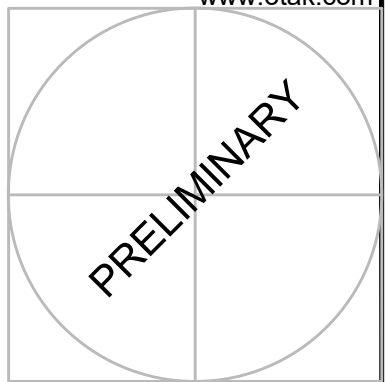


LEGEND

- EXISTING 1' CONTOUR: - - - - - 276
- EXISTING 5' CONTOUR: - - - - - 280
- PROPOSED 1' CONTOUR: ——— 276
- PROPOSED 5' CONTOUR: ——— 280
- RETAINING WALL: [Symbol: Dashed line with cross-ticks]
- LOT FLOW ARROW: [Symbol: Arrow]
- EXISTING TREES TO REMAIN: [Symbol: Star]
- EXISTING TREES TO BE REMOVED: [Symbol: Star with X]
- APPROXIMATE WALL HEIGHT: [Symbol: Box with number 6]



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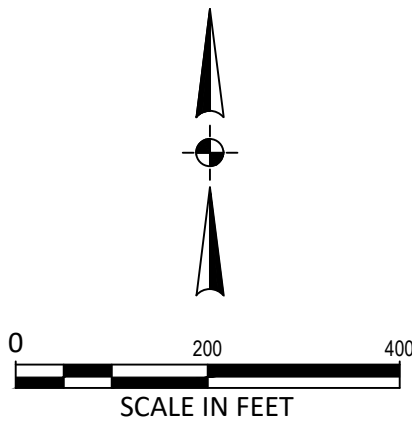
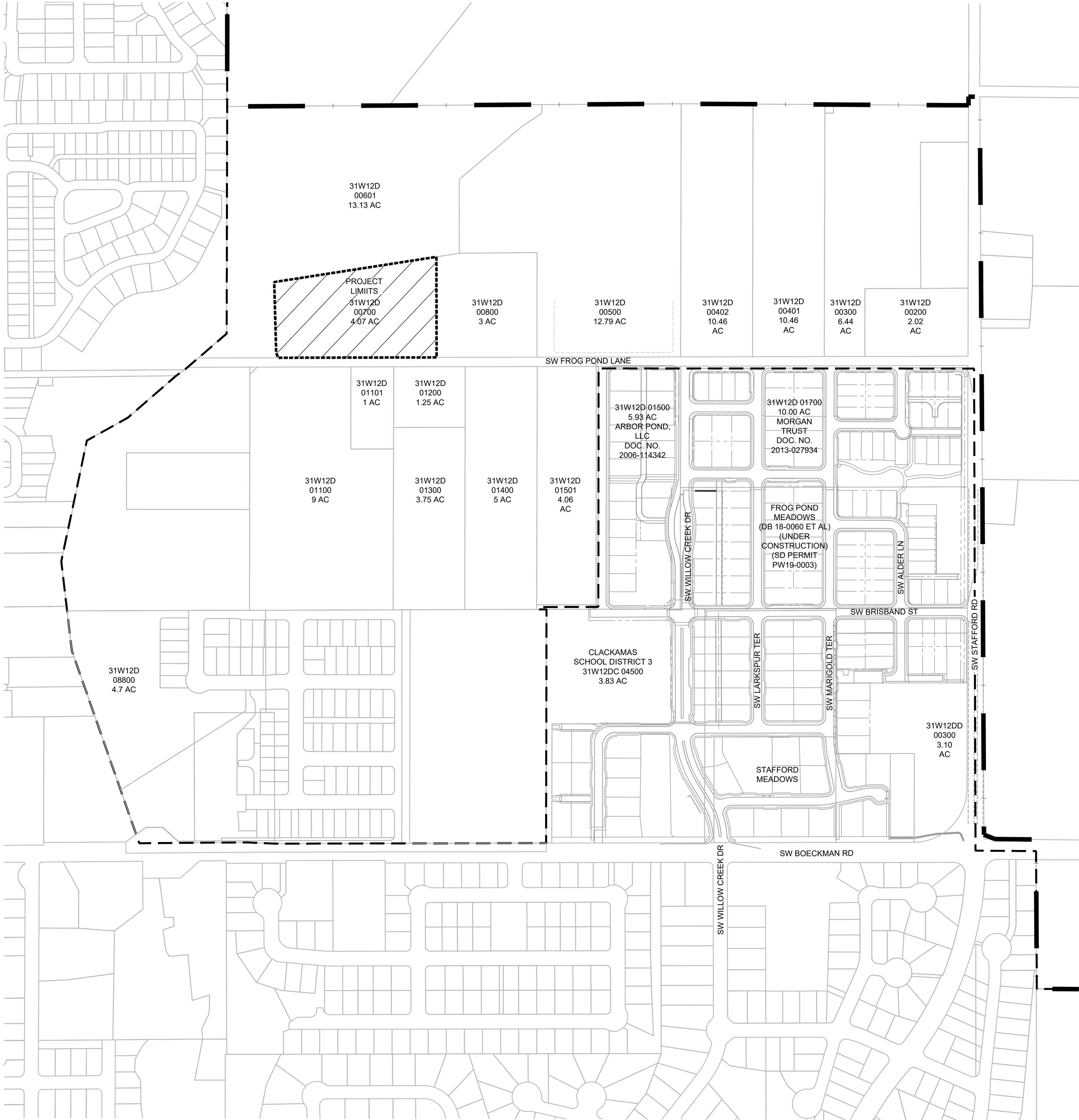


FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

PRELIMINARY GRADING PLAN

TITLE		
#	DATE	DESCRIPTION
REVISIONS		
NAVD88 DATUM		
OTAK CAD KJB		
DRAWN BY CHECKED BY		
LAND USE SUBMITTAL STATUS		
MAY 23, 2022 DATE		
20015 PROJECT NUMBER		
P5.00		
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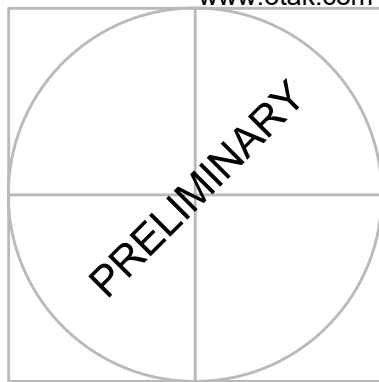


LEGEND

- PROJECT LIMITS (dashed line)
- EXISTING CITY LIMITS (long dashed line)
- EXISTING URBAN GROWTH BOUNDARY (thick solid line)
- PROPOSED AREA TO BE ANNEXED TO THE CITY OF WILSONVILLE (hatched area)



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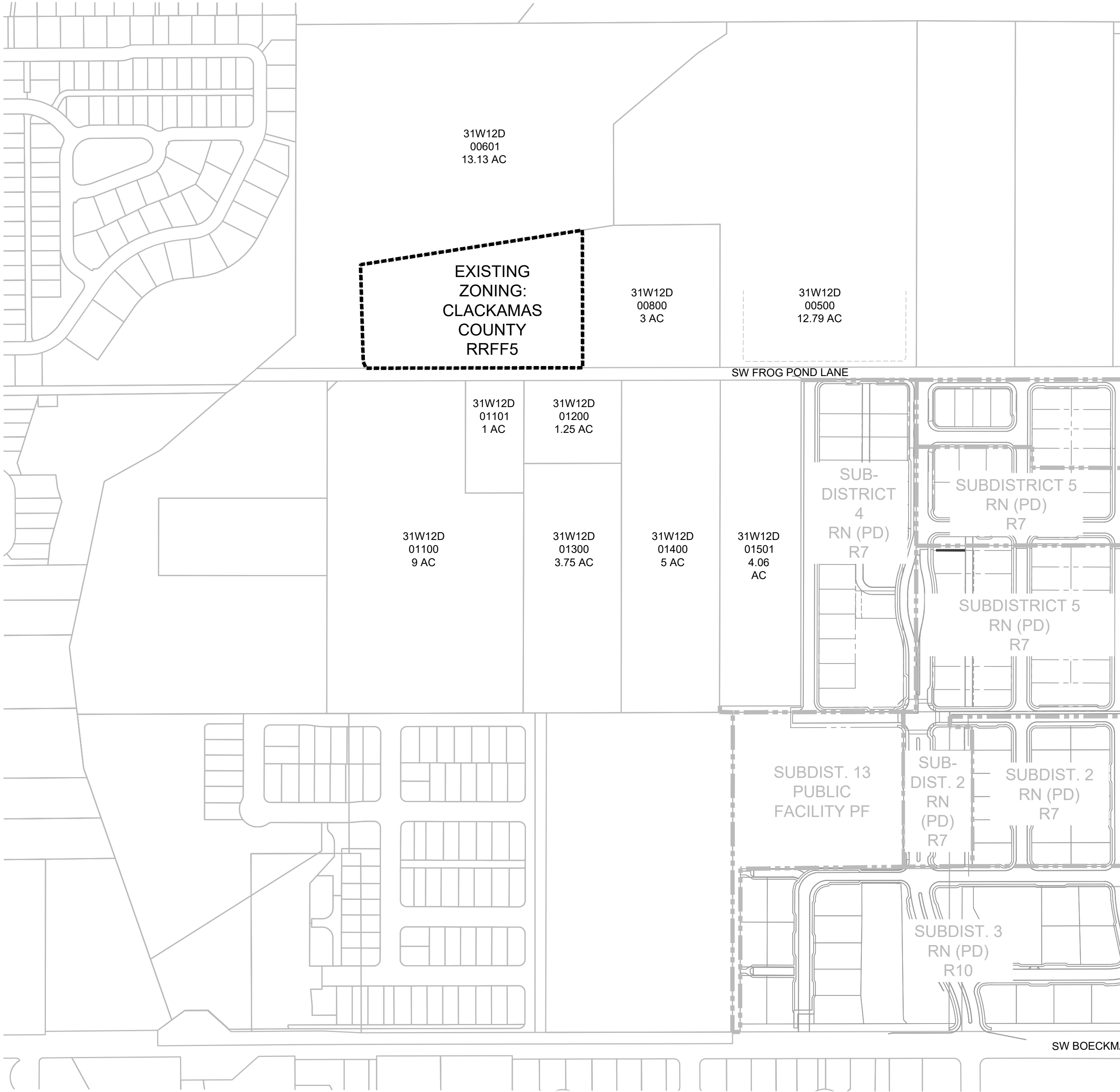


FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

ANNEXATION PLAN

TITLE		
#	DATE	DESCRIPTION
REVISIONS		
NAVD88 DATUM		
OTAK CAD		KJB
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LAND USE SUBMITTAL STATUS		
MAY 23, 2022 DATE		
20015 PROJECT NUMBER		
P6.00		
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EXISTING ZONING MAP

EXISTING ZONING: CLACKAMAS COUNTY RRF5

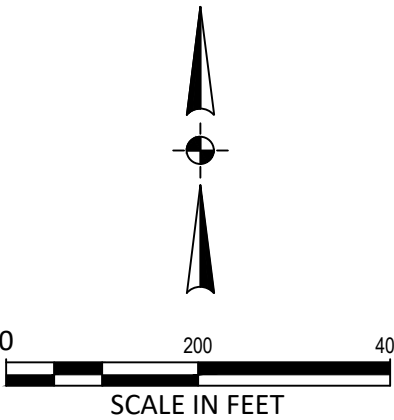


PROPOSED ZONING MAP

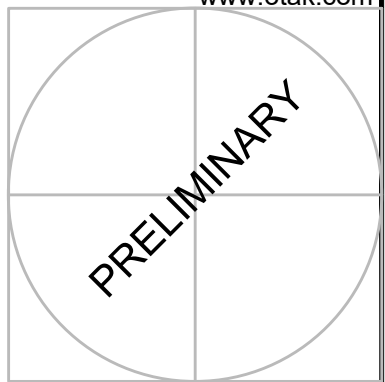
PROPOSED ZONING: CITY OF WILSONVILLE RESIDENTIAL
NEIGHBORHOOD RN WITH PLANNED DEVELOPMENT PD OVERLAY

LEGEND

PROJECT LIMITS - - - - -



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FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

ZONING MAP

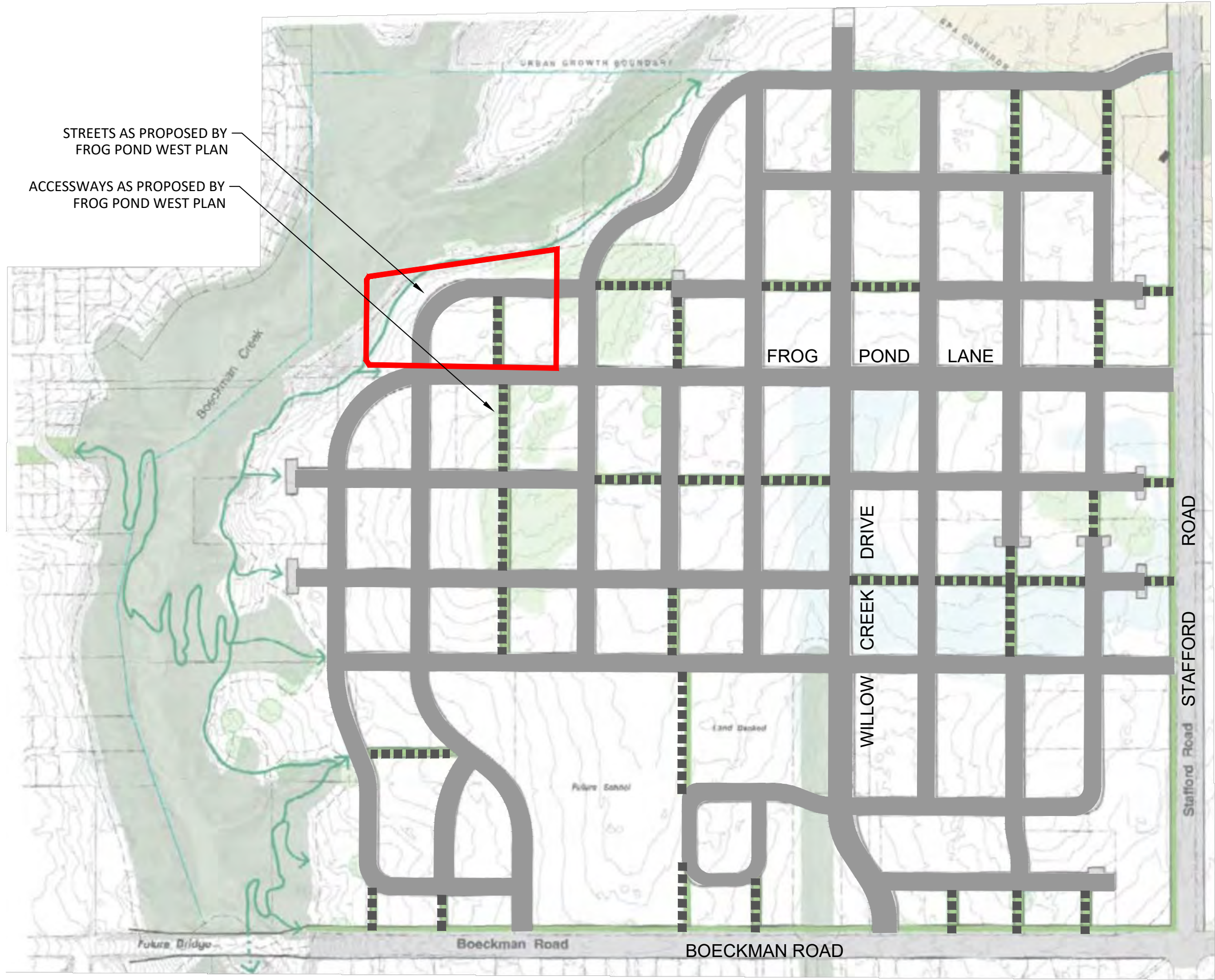
TITLE		
#	DATE	DESCRIPTION

REVISIONS	
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OTAK CAD DRAWN BY	KJB CHECKED BY
LAND USE SUBMITTAL STATUS	
MAY 23, 2022 DATE	
20015 PROJECT NUMBER	

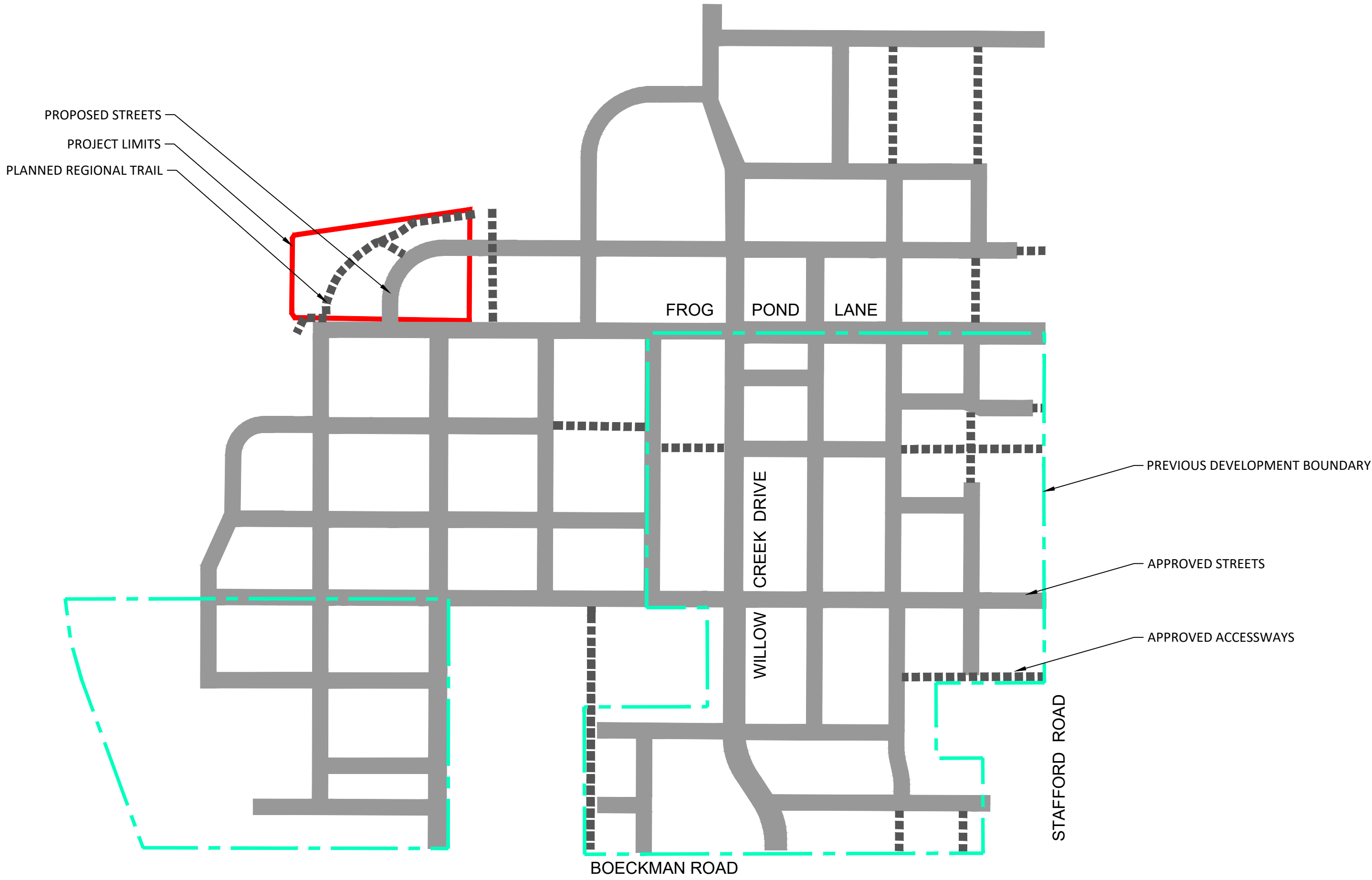
P7.00

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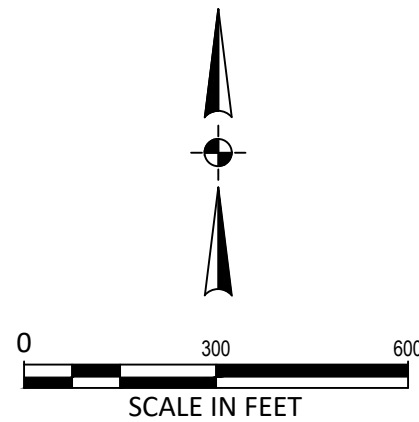
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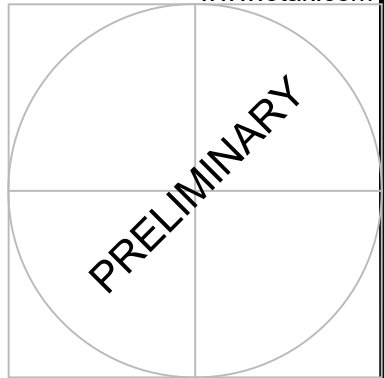
STREET DEMONSTRATION PLAN
PER FROG POND WEST MASTER PLAN



PROPOSED CIRCULATION AND CONNECTIVITY PLAN



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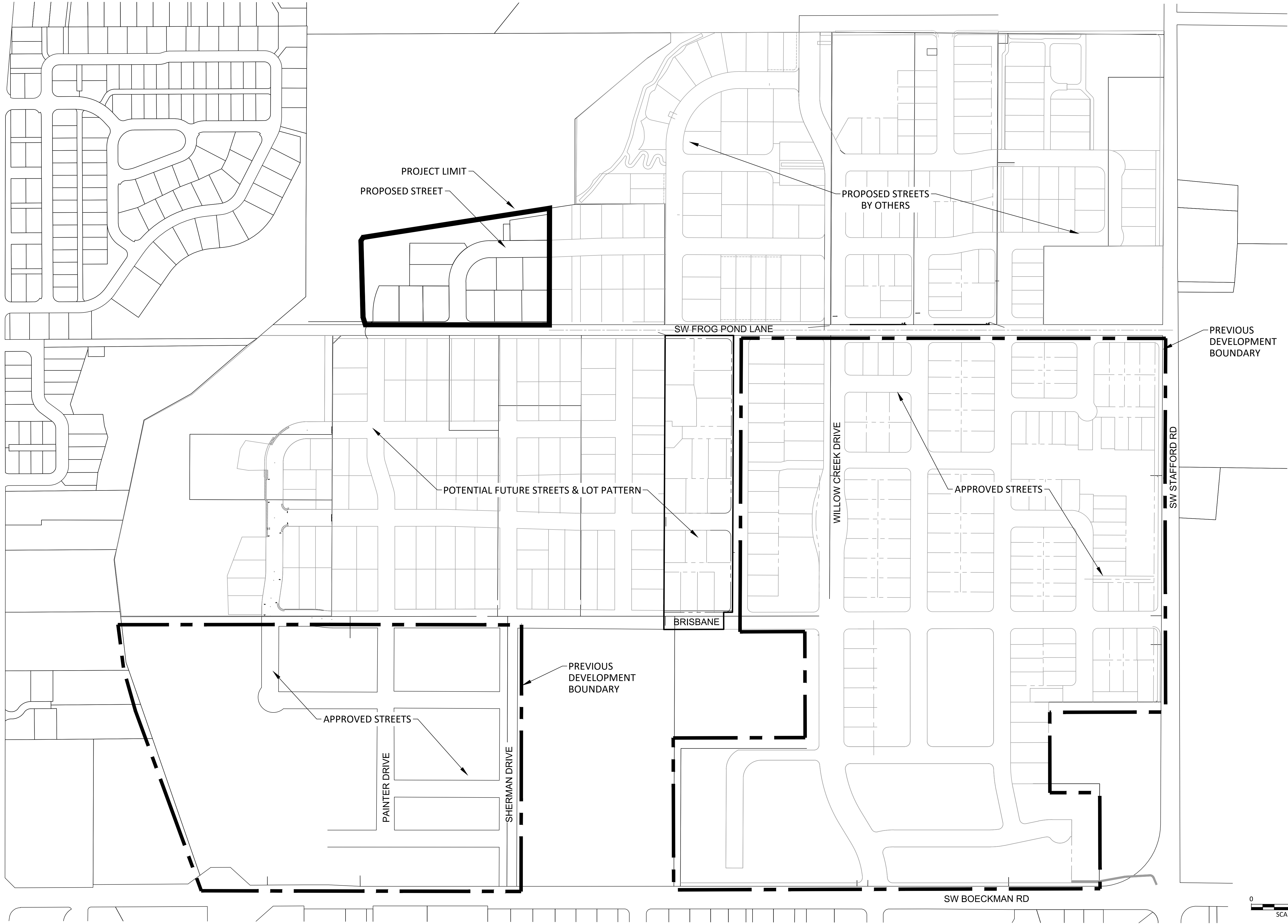


FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

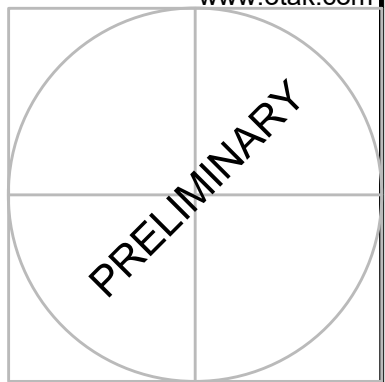
PROPOSED CIRCULATION AND CONNECTIVITY

TITLE		
#	DATE	DESCRIPTION
REVISIONS		
NAVD88 DATUM		
OTAK CAD		KJB
DRAWN BY		CHECKED BY
LAND USE SUBMITTAL STATUS		
MAY 23, 2022 DATE		
20015 PROJECT NUMBER		
P8.00		
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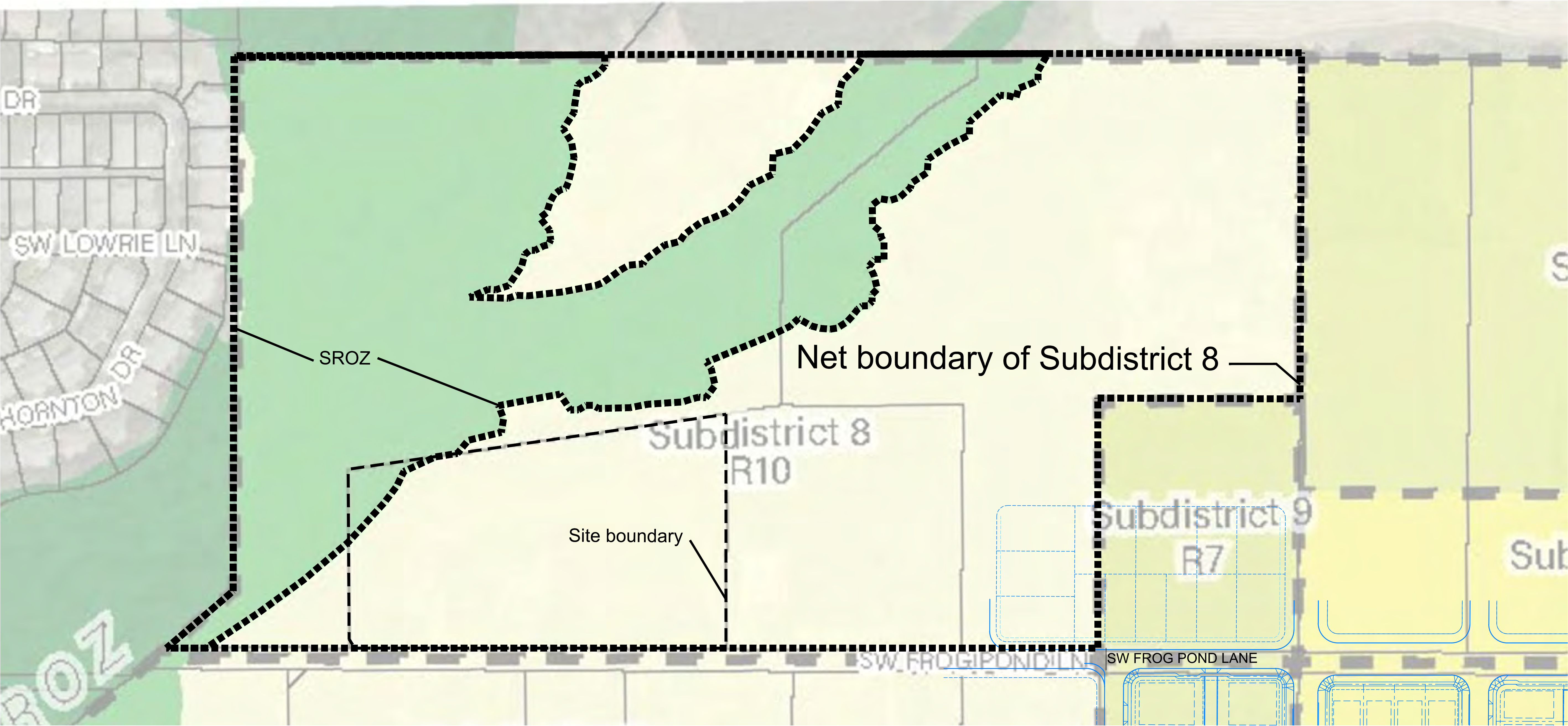


FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

POSSIBLE FUTURE DEVELOPMENT

REVISIONS		
#	DATE	DESCRIPTION

Plotted: May 23, 2022 - 1:42pm, Mike Havens L:\Projects\20000\20015\CADD\ACAD\Drawings\Overlook\Frog Pond - Overlook\20015P1000.dwg Layout Name: P10.00

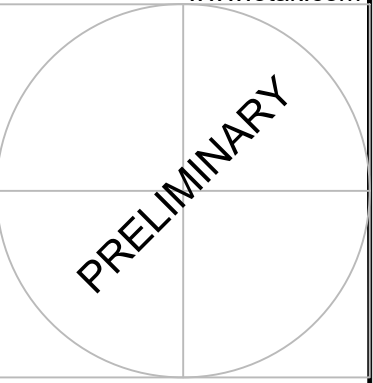


Frog Pond Overlook
Density Calculations

	Net subdistrict area (sf)	Net subdistrict area (ac)	Proposed Net Site Area (sf)	Proposed Net Site Area (ac)	Net site area as a % of net subdistrict area	Minimum units allowed in Subdistrict	Maximum units allowed in Subdistrict	Minimum units allowed on site	Maximum units allowed on site	Proposed lots
Subdistrict 8	832,551	19.11	172,290	3.96	20.7%	43	53	8.90	10.97	12



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FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

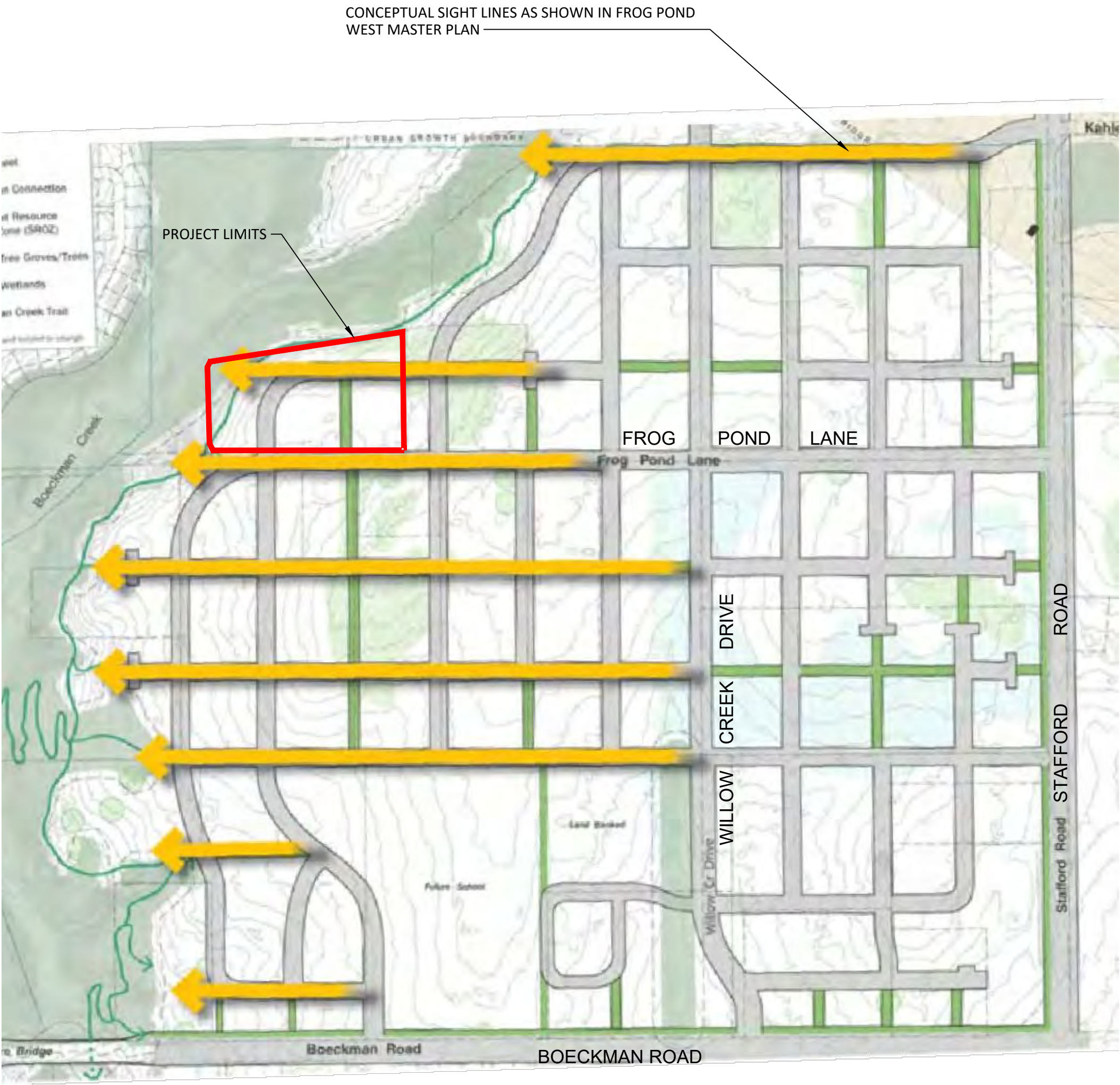
SUB-DISTRICTS AND DENSITY

TITLE	#	DATE	DESCRIPTION
REVISIONS			
NAVDB8 DATUM			
OTAK CAD DRAWN BY			KJB CHECKED BY
LAND USE SUBMITTAL STATUS			
MAY 23, 2022			
20015 PROJECT NUMBER			

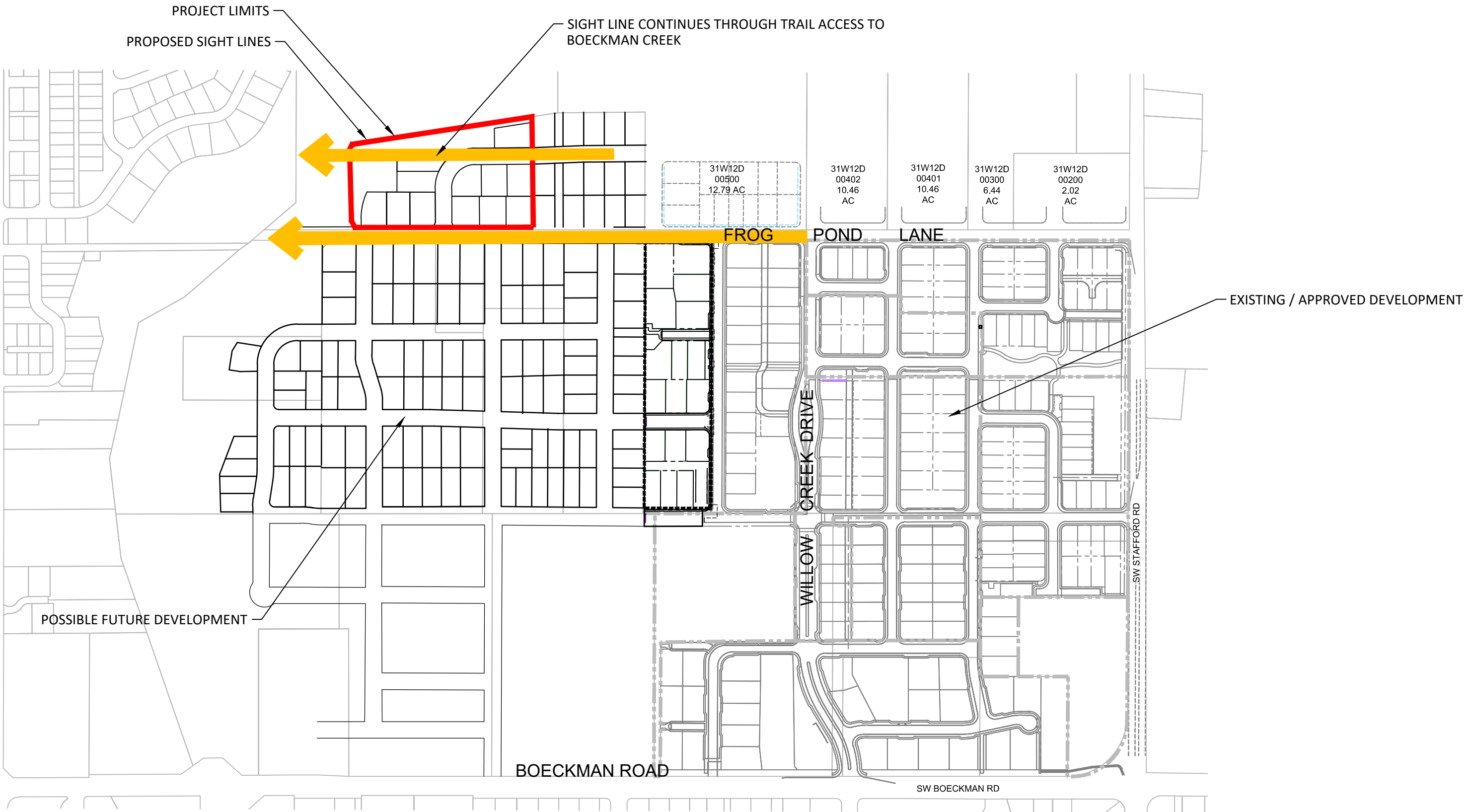
P10.00

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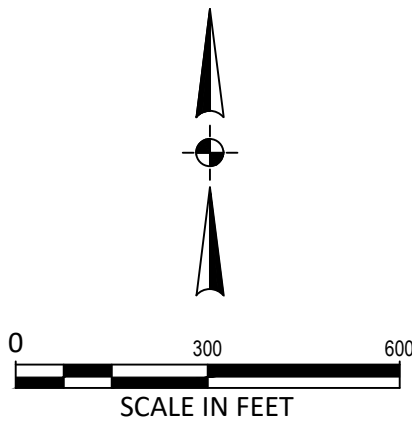
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Plotted: May 23, 2022 - 1:42pm, Mike Hawes



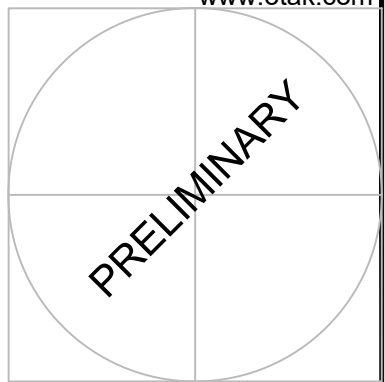
SITE LINES TO BOECKMAN CREEK CORRIDOR
PER FROG POND WEST MASTER PLAN



PROPOSED SITE LINES TO BOECKMAN CREEK CORRIDOR



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808 SW Third Avenue, Ste. 800
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FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

SIGHT LINES TO BOECKMAN CREEK CORRIDOR

TITLE		
#	DATE	DESCRIPTION
REVISIONS		
NAVD88 DATUM		
OTAK CAD KJB		
DRAWN BY CHECKED BY		
LAND USE SUBMITTAL STATUS		
MAY 23, 2022 DATE		
20015 PROJECT NUMBER		
P11.00		
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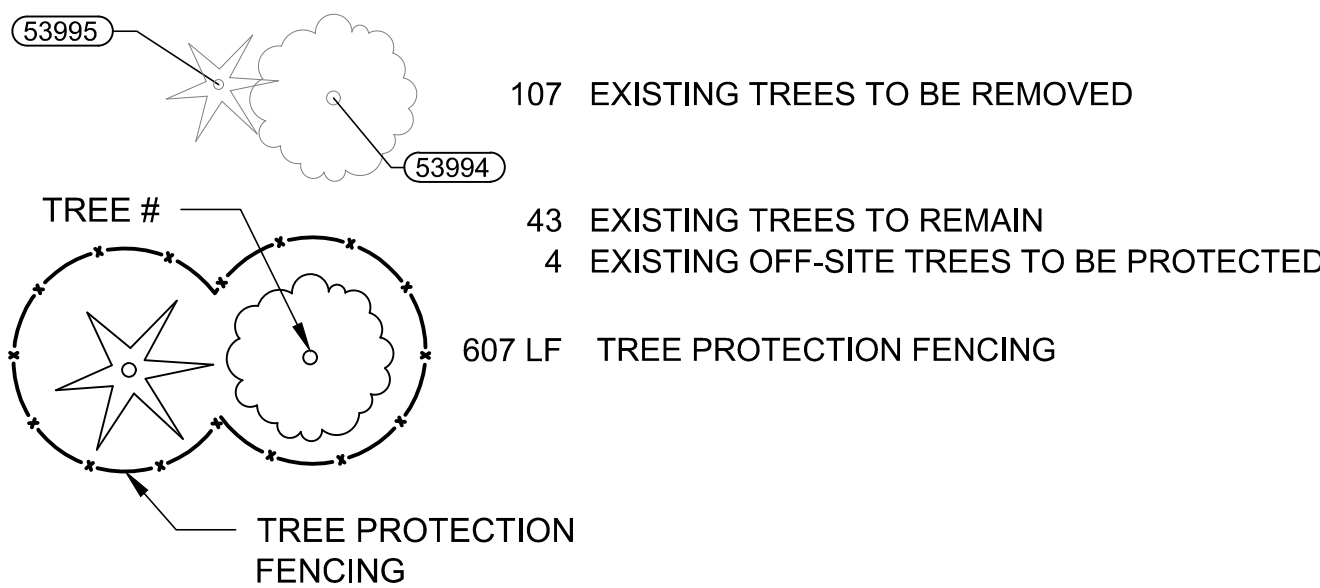
TREE PROTECTION PLAN

TITLE		
#	DATE	DESCRIPTION
REVISIONS		
NAV/D88		
DATUM		
OTAK CAD		KJE
DRAWN BY		CHECKED BY
LAND USE SUBMITTAL		
STATUS		
MAY 23, 2022		
DATE		
20015		
PROJECT NUMBER		

L1.00

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SYMBOL	QTY	DESCRIPTION
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SEE PLANTING PLAN L2.00 STREET/SITE TREES TO BE PLANTED

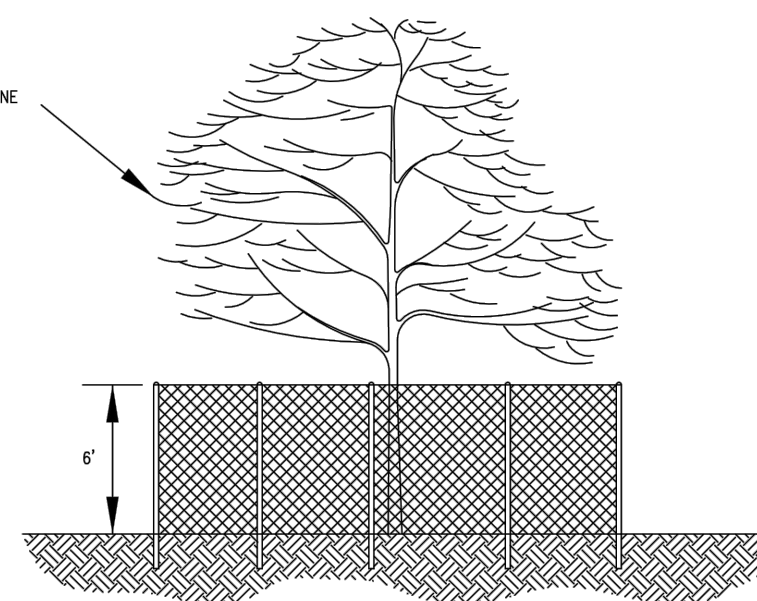
NOTES:

1. CONTOURS ARE SHOWN FOR ROUGH FINISH GRADE
DESIGN ONLY. SEE CIVIL PLANS FOR DETAILED GRADING.

2. MITIGATION:

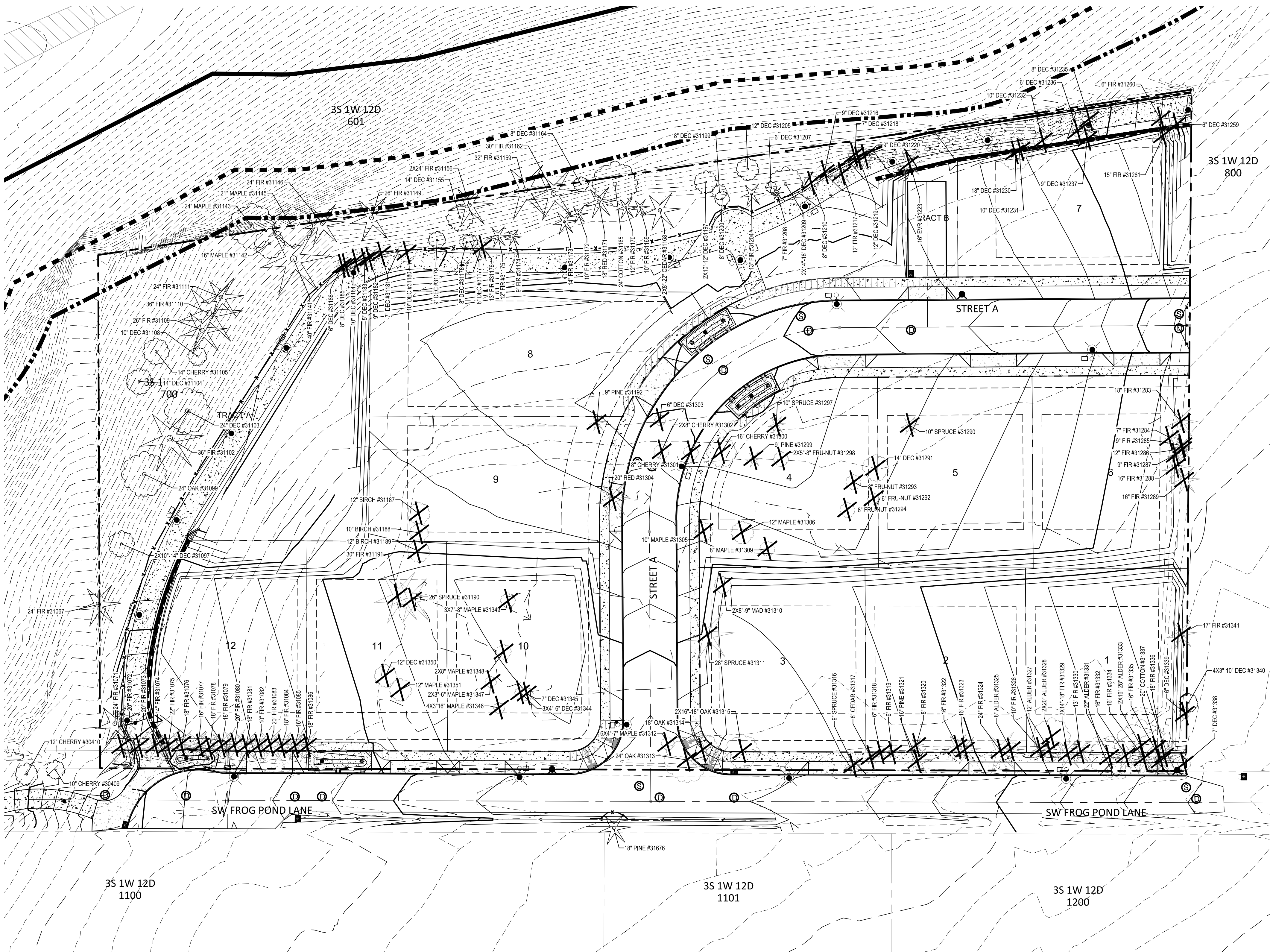
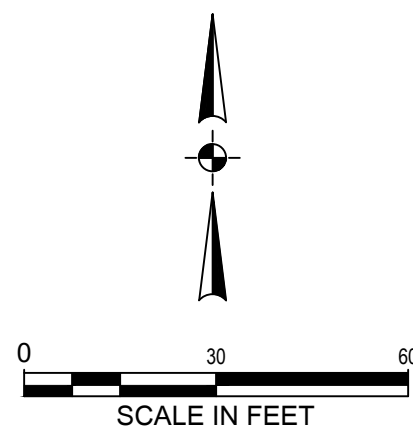
- 107 TREES REMOVED.
48 TREES PROPOSED (27 STREET TREES AND 21
TREES IN TRACT A).
PAY INTO TREE FUND FOR 59 TREES.

This Detail Drawing may not be altered or changed in any manner except by the City Engineer. It is the responsibility of the user to acquire the most current version.



- NOTES:
1. FENCE SHALL BE 6' IN HEIGHT AND SET AT TREE DRIP LINE.
 2. FENCE MATERIALS SHALL CONSIST OF 2" MESH CHAIN LINKS SECURED TO A MINIMUM 1 1/2" DIA. STEEL OR ALUMINUM LINE POSTS.
 3. POSTS SHALL BE SET TO A DEPTH OF NO LESS THAN 2 FEET IN NATIVE SOIL.
 4. FENCE SHALL REMAIN IN PLACE UNTIL THE COMPLETION OF CONSTRUCTION ACTIVITIES. MOVEMENT OF REMOVAL OF FENCE REQUIRES APPROVAL BY CITY'S AUTHORIZED REPRESENTATIVE.

Tree Protection Fencing			CITY OF WILSONVILLE  PUBLIC WORKS STANDARDS
DRAWING NUMBER: R-1155	DRAWN BY: GCF	SCALE: N.T.S.	
FILE NAME: R-1155.dwg	APPROVED BY: MAS	DATE: 11/01/03	



Plotted: Aug.16, 2022, 4:24pm, gabriel.kruse, L:\Project\20000\20015\CADD\ACAD\DrawtEcoFrog Pond - Overview\P2015L100.dwg, Layout Name: L1.10

Frog Pond Overlook (Ross)

Page 1

Compiled for West Hills Development , LLC

Tag	Species	DBH	Dripline	Rating	Health & Structure	RPZ	Action
30409	Sato Cherry	10"	18	2	assymetric crown - Offsite	10 ft.	Protect
30410	Sato Cherry	12"	18	2	assymetric crown - Offsite		Protect
31067	Douglas-fir	24"	18	2	on a berm, part of windrow; through 31102 crowded trees		Protect
31071	Douglas-fir	24"	12	2	2 stems at 20 ft. Many of these were topped at 30 ft.		Protect
31072	Douglas-fir	20"	12	2	Topped or broken in past; part of windrow		Remove
31073	Douglas-fir	20"	12	2	Topped or broken in past; part of windrow		Remove
31074	Douglas-fir	14"	12	2	Topped or broken in past; part of windrow		Remove
31075	Douglas-fir	22"	12	2	Topped or broken in past; part of windrow		Remove
31076	Douglas-fir	18"	12	2	Topped or broken in past; part of windrow		Remove
31077	Douglas-fir	16"	12	2	Topped or broken in past; part of windrow		Remove
31078	Douglas-fir	18"	12	2	Topped or broken in past; part of windrow		Remove
31079	Douglas-fir	18"	12	2	Topped or broken in past; part of windrow		Remove
31080	Douglas-fir	20"	12	2	Topped or broken in past; part of windrow		Remove
31081	Douglas-fir	18"	12	2	Topped or broken in past; part of windrow		Remove
31082	Douglas-fir	10"	12	2	Topped or broken in past; part of windrow		Remove
31083	Douglas-fir	20"	12	2	Topped or broken in past; part of windrow		Remove
31084	Douglas-fir	18"	12	2	Topped or broken in past; part of windrow		Remove
31085	Douglas-fir	16"	12	2	Topped or broken in past; part of windrow		Remove
31086	Douglas-fir	18"	12	2	Topped or broken in past; part of windrow		Remove
31097	Gary oak	2X10"-14"	18	2	2 trunks from ground		Protect
31099	Gary oak	24"	20	2	2 trunks from ground		Protect
31102	Douglas-fir	36"	20	2	2 trunks from ground		Protect
31103	Gary oak	24"	12	2	assymetric crown		Protect
31104	Gary oak	14"	8	2	leans and assymetric crown		Protect

Portland Tree Consulting

Fieldwork done by Peter Torres, PN-0650B, on 1/13/2022 and 1/14/2022

Frog Pond Overlook (Ross)

Page 4

Compiled for West Hills Development , LLC

Tag	Species	DBH	Dripline	Rating	Health & Structure	RPZ	Action
31208	Douglas-fir	7"	6	2	assymetric crown		Protect
31209	Scouler willow	2X14"-18"	16	2	the 14" stem is a cottonwood, the 14" stem is Scouler willow		Protect
31210	red alder	8"	12	2	assymetric crown		Remove
31216	red alder	9"	8	2	assymetric crown		Remove
31217	Douglas-fir	12"	10	2	assymetric crown		Remove
31218	red alder	7"	6	2	assymetric crown		Remove
31219	red alder	12"	8	2	assymetric crown		Remove
31220	red alder	9"	6	2	assymetric crown		Remove
31223	Douglas-fir	16"	12	2	assymetric crown		Remove
31230	red alder	18"	12	2	assymetric crown		Remove
31231	red alder	10"	8	2	assymetric crown		Remove
31232	red alder	10"	8	2	assymetric crown		Remove
31235	red alder	8"	8	2	assymetric crown		Remove
31236	red alder	6"	6	2	assymetric crown		Remove
31237	red alder	9"	8	2	assymetric crown		Remove
31259	red alder	6"	6	2	assymetric crown		Remove
31260	Douglas-fir	6"	6	2	assymetric crown		Remove
31261	Douglas-fir	15"	12	2	assymetric crown		Remove
31283	Douglas-fir	18"	12	2	on a berm with shallow roots; assymetric crown		Remove
31284	Douglas-fir	7"	10	2	on a berm with shallow roots; assymetric crown		Remove
31285	Douglas-fir	9"	10	2	on a berm with shallow roots; assymetric crown		Remove
31286	Douglas-fir	12"	12	2	on a berm with shallow roots; assymetric crown		Remove
31287	Douglas-fir	9"	10	2	on a berm with shallow roots; assymetric crown		Remove
31288	Douglas-fir	16"	16	2	on a berm with shallow roots; assymetric crown		Remove

Portland Tree Consulting

Fieldwork done by Peter Torres, PN-0650B, on 1/13/2022 and 1/14/2022

Frog Pond Overlook (Ross)

Page 7

Compiled for West Hills Development , LLC

Tag	Species	DBH	Dripline	Rating	Health & Structure	RPZ	Action
31341	Douglas-fir	17"	14	2	on a berm with shallow roots		Remove
31344	Portuguese laurel	3X4"-6"	6	2	invasive species		Remove
31345	Portuguese laurel	7"	6	2	invasive species		Remove
31346	Japanese maple	4X3"16"	8	2	within 10 ft. of building		Remove
31347	Japanese maple	2X3"-6"	8	2	within 10 ft. of building		Remove
31348	Japanese maple	2X8"	8	2	within 10 ft. of building		Remove
31349	Japanese maple	3X7"-8"	8	2	within 10 ft. of building		Remove
31350	Portuguese laurel	12"	8	2	within 10 ft. of building		Remove
31351	Japanese maple	12"	10	1	terminal decline		Remove
31676	ponderosa pine	18"	8	1	topped at 20 ft. for high-voltage lines - Offsite		Protect

Rating: 0/dead or hazardous, 1/decline, 2/average, 3/excellent health and structure

Frog Pond Overlook (Ross)

Page 2

Compiled for West Hills Development , LLC

Tag	Species	DBH	Dripline	Rating	Health & Structure	RPZ	Action
31105	sweet cherry	14"	8	2	assymetric crown		Protect
31108	Gary oak	10"	12	2	assymetric crown		Protect
31109	Douglas-fir	26"	16	2	viable		Protect
31110	Douglas-fir	36"	16	2	viable		Protect
31111	Douglas-fir	24"	14	2	forks at 50 ft.		Protect
31141	Douglas-fir	40"	24	2	viable		Protect
31142	bigleaf maple	16"	12	1	ivy-infested		Protect
31143	bigleaf maple	24"	12	1	ivy-infested		Protect
31145	bigleaf maple	21"	12	1	ivy-infested		Protect
31146	Douglas-fir	24"	12	1	ivy-infested		Protect
31149	Douglas-fir	26"	16	2	ivy-infested		Protect
31155	red alder	14"	8	1	broken		Protect
31156	Douglas-fir	2X24"	16	2	ivy-infested		Protect
31159	Douglas-fir	32"	16	2	ivy-infested		Protect
31162	Douglas-fir	30"	16	2	ivy-infested		Protect
31164	red alder	8"	8	2	ivy-infested		Protect
31165	Cottonwood	24"	12	2	ivy-infested		Protect
31168	western redcedar	2X8"-22"	18	2	assymetric crown		Protect
31169	Douglas-fir	10"	6	2	assymetric crown		Protect
31170	Douglas-fir	12"	8	2	assymetric crown		Protect
31171	giant sequoia	18"	10	2	assymetric crown		Protect
31172	Douglas-fir	10"	10	2	assymetric crown		Protect
31173	Douglas-fir	14"	10	2	assymetric crown		Protect
31174	Douglas-fir	9"	8	2	assymetric crown		Protect

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Fieldwork done by Peter Torres, PN-0650B, on 1/13/2022 and 1/14/2022

Frog Pond Overlook (Ross)

Page 5

Compiled for West Hills Development , LLC

Tag	Species	DBH	Dripline	Rating	Health & Structure	RPZ	Action
31289	Douglas-fir	16"	12	2	on a berm with shallow roots; assymetric crown		Remove
31290	blue spruce	10"	6	2	viable		Remove
31291	apple	14"	8	2	viable		Remove
31292	apple	6"	8	2	viable		Remove
31293	apple	8"	8	2	viable		Remove
31294	apple	8"	8	2	viable		Remove
31297	blue spruce	10"	8	2	viable		Remove
31298	apple	2X5"-8"	8	2	viable		Remove
31299	limber pine	9"	10	2	viable		Remove
31300	Sato Cherry	16"	12	2	viable		Remove
31301	Sato Cherry	8"	8	2	viable		Remove
31302	Sato Cherry	2X8"	10	2	viable		Remove
31303	ginkgo	6"	8	2	viable		Remove
31304	incense-cedar	20"	12	2	viable		Remove
31305	Norway maple	10"	8	2	ornamental variety		Remove
31306	Norway maple	12"	8	2	ornamental variety		Remove
31309	Norway maple	8"	8	2	ornamental variety		Remove
31310	paperbark maple	2X8"-9"	10	2	viable		Remove
31311	Deodar cedar	28"	16	2	viable		Remove
31312	Japanese maple	6X4"-7"	12	2	viable		Remove
31313	black oak	24"	24	2	viable		Remove
31314	black oak	18"	24	2	viable		Remove
31315	black oak	2X16"-18"	24	2	structural defect at grade		Remove
31316	red spruce	9"	8	2	on berm at SW Frog Pond Lane; shallow roots, asymmetrical crown		Remove

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Fieldwork done by Peter Torres, PN-0650B, on 1/13/2022 and 1/14/2022

Species

apple- *Maus sylvestris*
bigleaf maple- *Acer macrophyllum*
black oak- *Quercus velutina*
blue spruce- *Picea pungens*
Cottonwood- *Populus tricarpa*
Deodar cedar- *Cedrus deodara*
Douglas fir- *Pseudotsuga menziesii*
European birch- *Betula pendula*
Gary oak- *Quercus garryana*
giant sequoia- *Sequoia giganteum*
ginkgo- *Ginkgo biloba*
grand fir- *Abies grandis*
incense-cedar- *Calocedrus decurrens*
Japanese maple- *Acer japonica*

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Frog Pond Overlook (Ross)

Page 3

Compiled for West Hills Development , LLC

Tag	Species	DBH	Dripline	Rating	Health & Structure	RPZ	Action
31175	Douglas-fir	12"	10	2	assymetric crown		Protect
31176	Douglas-fir	13"	10	2	assymetric crown		Remove
31177	red alder	8"	8	2	assymetric crown		Protect
31178	red alder	8"	8	2	assymetric crown		Protect
31179	red alder	9"	8	2	assymetric crown		Protect
31180	red alder	10"	8	2	assymetric crown		Remove
31181	red alder	7"	8	2	assymetric crown		Remove
31182	red alder	9"	8	2	assymetric crown		Remove
31183	red alder	5"	8	2	assymetric crown		Remove
31184	red alder	10"	8	2	assymetric crown		Remove
31185	red alder	8"	8	2	assymetric crown		Remove
31186	red alder	6"	8	2	assymetric crown		Remove
31187	European birch	12"	12	1	dying likely from borer		Remove
31188	European birch	10"	10	1	dying likely from borer		Remove
31189	European birch	12"	12	1	dying likely from borer		Remove
31190	Sitka spruce	26"	18	2	within 10 ft. of building		Remove
31191	ponderosa pine	30"	24	2	within 10 ft. of building		Remove
31192	ponderosa pine	9"	6	2	viable		Remove
31197	red alder	2X10"-12"	12	2	ivy-infested		Protect
31199	red alder	8"	6	2	ivy-infested		Protect
31200	Douglas-fir	8"	8	2	assymetric crown		Protect
31204	Douglas-fir	13"	10	2	ivy-infested		Protect
31205	red alder	12"	10	2	ivy-infested		Protect
31207	red alder	6"	8	2	ivy-infested		Protect

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Fieldwork done by Peter Torres, PN-0650B, on 1/13/2022 and 1/14/2022

Frog Pond Overlook (Ross)

Page 6

Compiled for West Hills Development , LLC

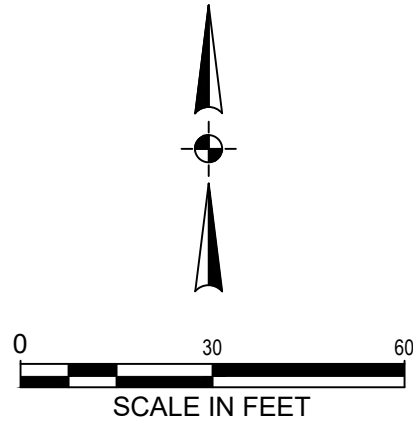
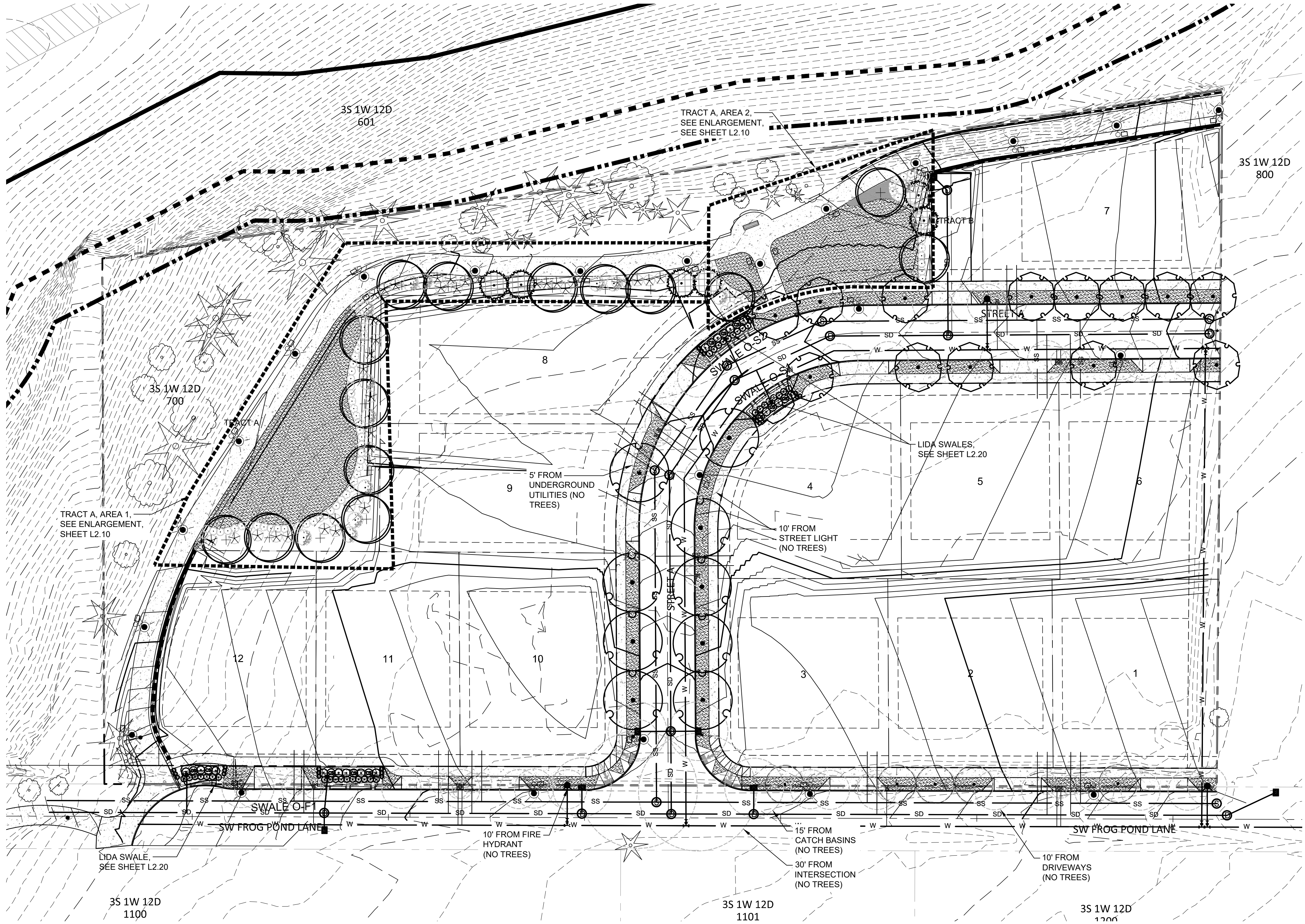
Tag	Species	DBH	Dripline	Rating	Health & Structure	RPZ	Action
31317	incense-cedar	8"	6	1	on the berm at SW Frog Pond Lane; terminal dieback		Remove
31318	grand fir	6"	6	2	on berm at SW Frog Pond Lane; shallow roots, asymmetrical crown		Remove
31319	Douglas-fir	6"	8	2	on berm at SW Frog Pond Lane; shallow roots, asymmetrical crown		Remove
31320	Douglas-fir	8"	12	2	on berm at SW Frog Pond Lane; shallow roots, asymmetrical crown		Remove
31321	ponderosa pine	16"	14	2	on berm at SW Frog Pond Lane; shallow roots, asymmetrical crown		Remove
31322	Douglas-fir	16"	16	2	on berm at SW Frog Pond Lane; shallow roots, asymmetrical crown		Remove
31323	Douglas-fir	16"	16	2	on berm at SW Frog Pond Lane; shallow roots, asymmetrical crown		Remove
31324	Douglas-fir	24"	16	2	on berm at SW Frog Pond Lane; shallow roots, asymmetrical crown		Remove
31325	sweet cherry	8"	12	2	on berm at SW Frog Pond Lane; shallow roots, asymmetrical crown		Remove
31326	Douglas-fir	10"	12	2	on berm at SW Frog Pond Lane; shallow roots, asymmetrical crown		Remove
31327	Cottonwood	12"	16	2	at berm at SW Frog Pond Lane; shallow roots, asymmetrical crown		Remove
31328	Cottonwood	2X20"	16	1	at berm; large dead braches		Remove
31329	Douglas-fir	2X14"-18"	14	2	on berm at SW Frog Pond Lane; shallow roots, asymmetrical crown		Remove
31330	Douglas-fir	13"	14	2	on berm at SW Frog Pond Lane; shallow roots, asymmetrical crown		Remove
31331	Cottonwood	22"	18	1	at berm; large dead braches		Remove
31332	Douglas-fir	16"	16	2	on berm at SW Frog Pond Lane; shallow roots, asymmetrical crown		Remove
31333	Cottonwood	2X16"-28"	18	2	at berm at SW Frog Pond Lane		Remove
31334	Douglas-fir	16"	16	2	on berm at SW Frog Pond Lane; shallow roots, asymmetrical crown		Remove
31335	Douglas-fir	16"	16	2	on berm at SW Frog Pond Lane; shallow roots, asymmetrical crown		Remove
31336	Douglas-fir	18"	16	2	on berm at SW Frog Pond Lane; shallow roots, asymmetrical crown		Remove
31337	Lombardy poplar	20"	0	0	on berm at SW Frog Pond Lane; shallow roots, asymmetrical crown		Remove
31338	Lombardy poplar	7"	6	1	on berm at SW Frog Pond Lane; root decay, asymmetrical crown		Remove
31339	Lombardy poplar	6"	6	1	fungal infection in crown		Remove
31340	Lombardy poplar	4X3"-10"	8	1	fungal infection in crown - Offsite		Protect

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Fieldwork done by Peter Torres, PN-0650B, on 1/13/2022 and 1/14/2022

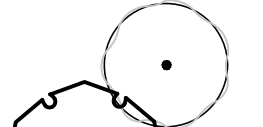
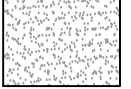
limber pine- *Pinus flexilis*
Lombardy poplar- *Populus nigra*
Norway maple- *Acer*

Plotted: May 23, 2022 - 10:19am: gabriel.kruse... L:\Project\2000\20015\CADD\DWG\Frog Pond_Overlook\20015\200.dwg Layout Name: L2.00



STREET TREE PLAN
SCALE: 1" = 50'-0"

PLANT SCHEDULE STREET PLANTING *CLASSIFIED AS A MODERATE WATER USAGE AREA (+/- ONE (1) INCH PER WEEK).

TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL	REMARKS
	5	LIRIODENDRON TULIPIFERA 'FASTIGIATUM' / TULIP TREE	B&B	2"	PRIMARY STREET
	13	PISTACIA CHINENSIS / CHINESE PISTACHE		2" CAL.	
	9	QUERCUS RUBRA / RED OAK	B&B	2"	PRIMARY STREET
GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT	SPACING	
	5,973 SF	TURF SEED DIAMOND GREEN - SUNMARK SEEDS / EXTREME LOW MAINTENANCE TURF	SEED		



Otak, Inc.
808 SW Third Avenue, Ste. 800
Portland, OR 97204
503.287.6825
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FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

LANDSCAPE PLAN

TITLE

#	DATE	DESCRIPTION

REVISIONS

NAVDB8	DATUM	
OTAK CAD	DRAWN BY	KJB
	CHECKED BY	
	LAND USE SUBMITTAL STATUS	
	DATE	MAY 23, 2022
	PROJECT NUMBER	20015

L2.00

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FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

TRACT LANDSCAPE PLAN

[illegible]

REVISIONS

AVD88

TAK CAD	KJB
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AND USE SUBMITTAL

MAY 23, 2022

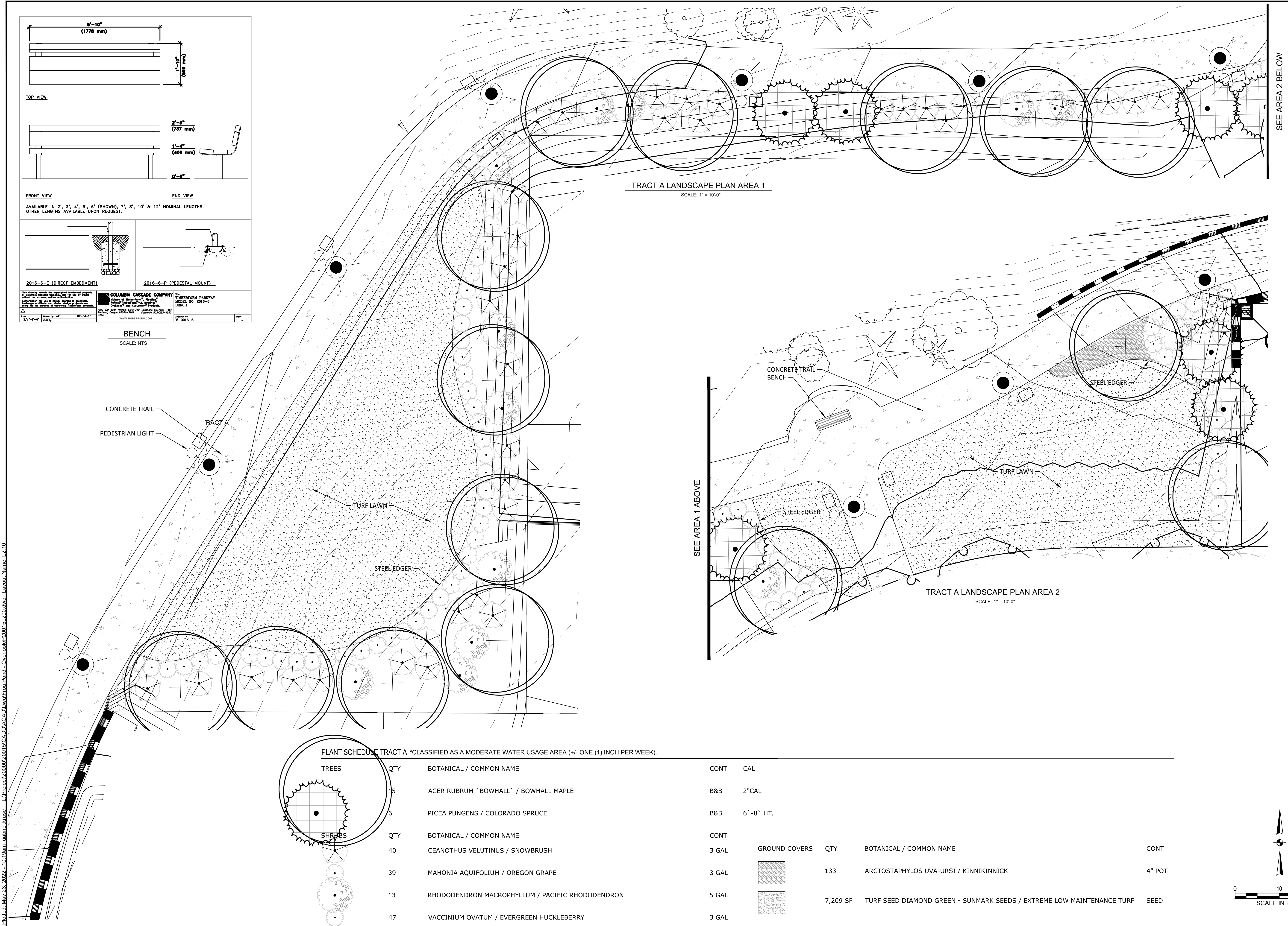
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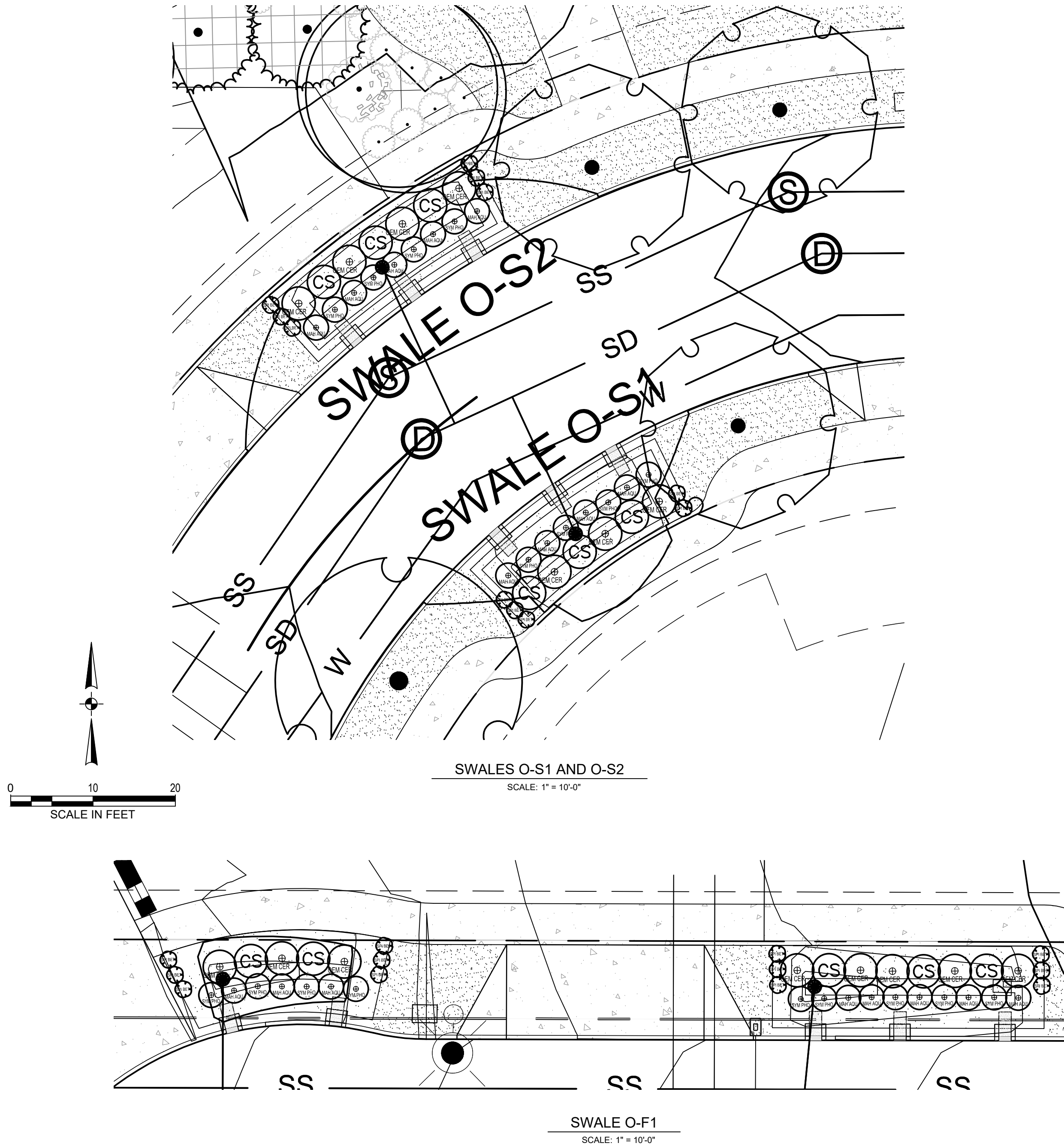
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reduced/enlarged. Scale accordingly.



Plotted: May 23, 2022 - 10:20am: gabriel.kruse... L:\Project\2000\20015\SCADD\DWG\Frog Pond - Overlook\20015\200.dwg Layout Name: L2.20



SWALE SHRUB LEGEND *CLASSIFIED AS LOW WATER USAGE AREA (LESS THAN ONE (1) INCH PER WEEK).

SYMBOL	QTY	COMMON NAME / Botanical name	Size	Spacing
	23	BIRCHLEAF SPIRAEA / Spiraea betulifolia	1 GAL.	1' o.c.
	17	OREGON GRAPE HOLLY / Mahonia aquifolium	1 GAL.	1' o.c.
	17	SNOWBERRY / Symphoricarpos alba	1 GAL.	1' o.c.
	15	INDIAN PLUM / Omleria cerasiformis	30" HT.	3' o.c.
	11	RED-TWIG BOXWOOD / Cornus sericea	30" HT.	3' o.c.

SWALE AREA KEY

	ZONE A - TREATMENT AREA
	ZONE B - FREEBOARD AREA

- NOTES:
- HERBACEOUS/GROUNDCOVERS NOT SHOWN. PLANT IN QUANTITIES INDICATED ON SPREADSHEET THIS SHEET.
 - HERBACEOUS PLANTS INSTALLED AT SP#4 SIZE.
 - GROUNDCOVER INSTALLED AT #1 CONT. SIZE

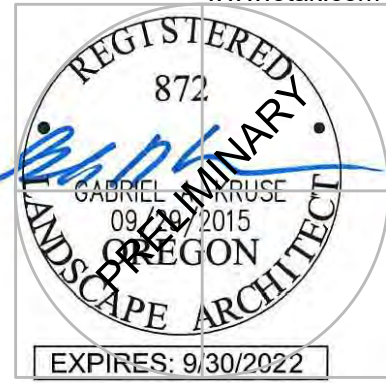
FROG POND OVERLOOK VEGETATED SWALE PLANT QUANTITIES															
		ZONE A										ZONE B			
		TREATMENT AREA	HERBACEOUS = TREATMENT AREA/2						GROUND COVER = TREATMENT AREA/2		SHRUBS		AREA	SHRUBS	GROUND COVER
			REQUIRED HERBACEOUS 115 per 100sf	Carex testacea	Juncus patens	Juncus ensifolius	Scripus microcarpus	PROVIDED HERBACEOUS	REQ'D GROUND COVER 115 per 100sf	Fragaria chiloensis	REQ'D SMALL SHRUBS (4/100 SF)	REQ'D LARGE SHRUBS (3/100 SF)			
SWALE ID	STREET														
O-S1	FROG POND	192	111	55	55	0	0	110	111	111	8	6	68	5	78
O-S2	FROG POND	221	127	64	119	0	0	183	127	127	9	7	75	6	86
O-F1	FROG POND	431	248	124	124	0	0	248	248	248	17	13	147	12	169
TOTALS:			486	243	298	0	0	541	486	486	34	26	290	23	333

*CLASSIFIED AS LOW WATER USAGE AREA (LESS THAN ONE (1) INCH PER WEEK).

- NOTES:
- ALL LANDSCAPE AREAS SHALL BE WATERED BY A FULLY AUTOMATIC UNDERGROUND IRRIGATION SYSTEM, EXCEPT NATIVE GRASS PLANTING WHICH SHALL RECEIVE ESTABLISHMENT IRRIGATION.



Otak, Inc.
808 SW Third Avenue, Ste. 800
Portland, OR 97204
503. 287. 6825
www.otak.com



FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

LIDA SWALE PLANTING PLANS

TITLE		
#	DATE	DESCRIPTION
REVISIONS		
NAVD88 DATUM		
OTAK CAD		KJB
DRAWN BY		CHECKED BY
LAND USE SUBMITTAL STATUS		
MAY 23, 2022 DATE		
20015 PROJECT NUMBER		

L2.20
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FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

LANDSCAPE NOTES AND DETAILS

TITLE		
#	DATE	DESCRIPTION
REVISIONS		
NAVD88		
DATUM		
OTAK CAD		KJB
DRAWN BY		CHECKED BY
LAND USE SUBMITTAL		
STATUS		
MAY 23, 2022		
DATE		
20015		
PROJECT NUMBER		

L3.00

If this drawing is not 22" x 34", it has been reduced/enlarged. Scale accordingly.

DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED; HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.

SEE TREE STAKING DETAIL FOR
STAKING INSTRUCTIONS

MARK THE NORTH SIDE OF THE TREE IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHEN POSSIBLE.

SET TOP OF ROOT BALL FLUSH TO GRADE OR 25-50 MM (1-2 IN.) — HIGHER IN SLOWLY DRAINING SOILS.

200 MM (8 IN.)—

50 MM (2 IN.) MULCH. DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK. MAINTAIN THE MULCH WEED-FREE FOR A MINIMUM OF THREE YEARS AFTER PLANTING.

NOTE: FOR DIMENSIONS OF _____
PLANTING AREAS, TYPES OF SOIL
AMENDMENTS, OR SOIL REPLACEMENT,
SEE "SOIL IMPROVEMENT DETAILS."

NOTE: WIDTH OF PLANTING HOLE IS 3 TIMES ROOT BALL DIAMETER IN HIGHLY COMPACTED SOIL; 2 TIMES THE ROOT BALL DIAMETER MINIMUM IN ALL OTHERS.
THIS DETAIL ASSUMES THE PLANTING SPACE IS LARGER THAN 2400 MM (8 FT.) SQUARE, OPEN TO THE SKY, AND NOT COVERED BY ANY PAVING OR GRATING.

Tree Planting Detail – B & B Trees in all Soil Types			
DRAWING NUMBER: P-5000	DRAWN BY: SJ	SCALE: N.T.S.	
FILE NAME: P-5000.dwg	APPROVED BY: SA	DATE: 3/22/06	
			PUBLIC WORKS STANDARDS

WIRE OR CABLE SIZES SHALL BE AS FOLLOWS:
TREES UP TO 65 MM (2.5 IN.) CALIPER - 14 GAUGE
TREES 65 MM (2.5 IN.) TO 75 MM (3 IN.) CALIPER - 12 GAUGE

TIGHTEN WIRE OR CABLE ONLY ENOUGH TO KEEP FROM SLIPPING. ALLOW FOR SOME TRUNK MOVEMENT. PLASTIC OR RUBBER HOSE SHALL BE LONG ENOUGH TO ACCOMMODATE 35MM (1.5 IN.) OF GROWTH AND BUFFER ALL BRANCHES FROM THE WIRE.

TUCK ANY LOOSE ENDS OF THE WIRE OR CABLE INTO THE WIRE WRAP SO THAT NO SHARP WIRE ENDS ARE EXPOSED

13 MM (0.5 IN.) DIAM. —

PLASTIC OR RUBBER HOSE

GALVANIZED WIRE OR CABL

TWIST WIRE TO TIGHTEN.

240 x 40 MM (1.5 x 1.5
HARDWOOD STAKES OR OTI

APPROVED STAKE MATERIAL

ALL STAKES SHALL BE DRIVEN TO THE EDGE OF THE FOOTING.

THE EDGE OF THE ROOT IS

URE THAT THE BEARING SURFACE OF THE PROTECTIVE COVERING OF THE WIRE OR CABLE AGAINST THE TREE TRUNK
MINIMUM OF 12 MM (0.5 IN.).

REMOVE ALL STAKING AS SOON AS THE TREE HAS GROWN SUFFICIENT ROOTS TO OVERCOME THE PROBLEM THAT REQUIRED THE TREE TO BE STAKED. STAKES SHALL BE REMOVED NO LATER THE END OF THE FIRST GROWING SEASON AFTER PLANTING.

TREES NORMALLY DO NOT NEED TO BE STAKED AND STAKING CAN BE HARMFUL TO THE TREE. STAKING SHOULD BE DONE ONLY WITH THE APPROVAL OF THE CITY IF IT IS EXPECTED THAT THE TREE WILL NOT BE ABLE TO SUPPORT ITSELF. THE FOLLOWING ARE REASONS WHY TREES DO NOT REMAIN STRAIGHT:

- o TREES WITH POOR QUALITY ROOT BALLS OR ROOT BALLS THAT HAVE BEEN CRACKED OR DAMAGED, REJECT RATHER THAN STAKE.
- o TREES THAT HAVE GROWN TOO CLOSE TOGETHER IN THE NURSERY, RESULTING IN WEAK TRUNKS, REJECT RATHER THAN STAKE.
- o PLANTING PROCEDURES THAT DO NOT ADEQUATELY TAMP SOILS AROUND THE ROOT BALL. CORRECT THE PLANTING PROCEDURE.
- o ROOT BALLS PLACED ON SOFT SOIL. TAMP SOILS UNDER ROOT BALL PRIOR TO PLANTING.
- o ROOT BALLS WITH VERY SANDY SOIL OR VERY WET CLAY SOIL. STAKING ADVISABLE.
- o TREES LOCATED IN A PLACE OF EXTREMELY WINDY CONDITIONS. STAKING ADVISABLE.

ALTERNATE TREE STAKING METHODS:

1. TREE STAPLES OR EQUIVALENT TREE STAKING SYSTEM MAY BE USED
2. DUCKBILL ROOT KIT STRAP OR EQUIVALENT
 - 40Rbk - 2" TREE
 - 68Rbk - 3" TREE

Tree Staking Detail — Trees 75MM (3") Caliper or Less			
DRAWING NUMBER: P-5005	DRAWN BY: SJ	SCALE: N.T.S.	
FILE NAME: P-5005.dwg	APPROVED BY: SA	DATE: 03/22/06	

CITY OF WILSONVILLE
PUBLIC WORKS STANDARDS

CONTRACTOR IS CAUTIONED THAT EXISTING UNDERGROUND FACILITIES OCCUR THROUGHOUT THE WORK AREAS INCLUDING BUT NOT LIMITED TO POWER, GAS, TELEPHONE WATER SUPPLY, AND IRRIGATION. CONTRACTOR SHALL MARK THE FACILITIES BEFORE WORK, POTHOLE WHERE NECESSARY, AND PROTECT DURING CONSTRUCTION. IMMEDIATELY NOTIFY OWNER'S REPRESENTATIVE IF ANY CONFLICTS ARE FOUND.

1. GENERAL: SEVERAL OF THE FOLLOWING NOTES SUMMARIZE THE PROJECT SPECIFICATIONS. IF A DISCREPANCY EXISTS BETWEEN THESE NOTES AND THE PROJECT SPECIFICATIONS THE SPECIFICATIONS SHALL OVERRIDE.
2. THE LANDSCAPE CONTRACTOR IS TO THOROUGHLY REVIEW THE SITE. IF THERE ARE ANY DISCREPANCIES BETWEEN THE PLAN AND THE EXISTING CONDITIONS THE OWNERS REPRESENTATIVE IS TO BE NOTIFIED IMMEDIATELY.
3. IF THE LANDSCAPE CONTRACTOR STARTS WORK BEFORE SITE CONDITIONS ARE READY OR CONTINUES WORK IN ADVERSE CONDITIONS WITHOUT PRIOR APPROVAL THEY WILL BE RESPONSIBLE FOR ANY ADDITIONAL COSTS RELATING TO THE CONDITION.
4. IMMEDIATELY NOTIFY OWNERS REPRESENTATIVE CONCERNING ANY CONDITION AT ANY TIME DURING CONSTRUCTION THAT IS DETRIMENTAL TO THE HEALTH AND VIGOROUS GROWTH OF THE SPECIFIED PLANT MATERIAL.
5. PROVIDE QUANTITY OF PLANT MATERIAL INDICATED IN PLANT LIST OR THE QUANTITY REQUIRED TO COVER AREAS INDICATED AT SPECIFIED SPACING, WHICHEVER IS GREATER.
6. IF AN AREA DIFFERS SIGNIFICANTLY IN SIZE FROM THAT SCALED ON DRAWING AND REQUIRES MORE OR LESS MATERIAL THE OWNERS REPRESENTATIVE IS TO BE INFORMED.
7. TOPSOIL: APPLY 9-INCH IMPORT TOPSOIL TO NEW PLANTED EXCEPT:
 - 7.1. AT STORM POND AND LIDA FACILITIES INSTALL STORMWATER FACILITY GROWING MEDIUM PER CITY OF WILSONVILLE 2015 STORMWATER & SURFACE WATER DESIGN & CONSTRUCTION STANDARDS SECTION 3.A.4.00.
 - 7.2. DO NOT APPLY TOPSOIL TO RIPARIAN MITIGATION AREA IN SROZ.
8. SOIL ANALYSIS: CONTRACTOR SHALL OBTAIN A COPY OF OWNER-PROVIDED SOIL TEST. AMEND AND FERTILIZE IN CONFORMANCE WITH RECOMMENDATIONS INDICATED IN THE REPORT.
9. COMPOST: APPLY 3-INCH DEPTH COMPOST TO TOPSOIL. DO NOT APPLY AT STORM OR LIDA FACILITIES. THOROUGHLY BLEND WITH TOPSOIL TO A DEPTH OF 6 INCHES.
 - 9.1. DO NOT APPLY COMPOST TO RIPARIAN MITIGATION AREA IN SROZ.
10. FERTILIZER: APPLY FERTILIZER TO ALL PLANT HOLES AND TURF AREAS OF THE TYPE, QUANTITY, APPLICATION METHOD, AND TIMING NOTED IN THE SPECIFICATIONS. DO NOT APPLY FERTILIZER AT STORM FACILITIES.
11. BARK MULCH: SPREAD 3-INCH DEPTH FINE-MEDIUM GRADE FIR/HEMLOCK BARK OVER SHRUB BEDS. DO NOT APPLY MULCH AT STORM POND, LIDA FACILITIES, OR IN RIPARIAN MITIGATION AREA IN SROZ. KEEP BARK CLEAR OF TREE AND SHRUB STEM BASE.
12. PLANTING POCKETS: BACK FILL PLANT HOLE WITH SOIL EXCAVATED FROM HOLE. DO NOT ADD ADDITIONAL AMENDMENTS.
13. ROOT BARRIER: INSTALL PER CITY OF WILSONVILLE DETAIL RD-1240. SEE SHEET L3.0.
14. PLANT MATERIAL: ALL PLANT MATERIAL SHALL MEET MINIMUM QUALITY AND SIZE REQUIREMENTS ESTABLISHED IN THE AMERICAN STANDARD FOR NURSERY STOCK GUIDELINES.
15. LEAVE PLANT NAME IDENTIFICATION TAGS ON TEN PERCENT OF ALL TREES AND SHRUBS INSTALLED TO AID INSPECTORS IN VERIFYING THAT SPECIFIED PLANTS HAVE BEEN INSTALLED.
16. PLANT CENTER OF SHRUBS A MINIMUM OF 24 INCHES FROM ADJACENT PAVING. PLANT GROUNDCOVERS A MINIMUM OF 18 INCHES FROM ADJACENT PAVING. WHERE PLANTER IS LESS THAN 6 FEET WIDE, SET PLANTS HALF OF THE NOTED PLANT SPACING FROM ADJACENT PAVING.
17. WHERE PLANT BED SLOPE IS LESS THAN 3% MOUND PLANTING BED AREAS 3% MINIMUM FOR POSITIVE DRAINAGE.
18. SEE SPECIFICATIONS FOR FINAL INSPECTION, MAINTENANCE, AND WARRANTY REQUIREMENTS UNIQUE TO THIS PROJECT.
19. SEE SPECIFICATIONS FOR OTHER LANDSCAPE CONSTRUCTION REQUIREMENTS.

SHOVEL CUT BED EDGE

Diagram illustrating the correct installation of a shrub into a planting hole. The diagram shows a cross-section of the ground with a shrub being planted. The hole is excavated to a depth that allows the root ball to be set 1 inch above the finished grade. The hole is backfilled with soil, and the top of the mulch is placed at the finished grade. The diameter of the hole is specified as the diameter of the root ball plus 4 inches. The diagram also indicates the root ball depth and the need to manually loosen the root ball unless otherwise noted. The edges and bottom of the hole are to be scarified.

Labels and instructions in the diagram include:

- SET CROWN 1" ABOVE FINISHED GRADE.
- MULCH AS SPECIFIED KEEP MULCH CLEAR OF SHRUB STEM BASE.
- BACKFILL PLANT HOLE WITH SOIL EXCAVATED FROM HOLE. DO NOT ADD ADDITIONAL AMENDMENTS. ADD FERTILIZER AT SPECIFIED RATE.
- TOP OF MULCH
- FINISHED GRADE
- MANUALLY LOOSEN ROOT BALL UNLESS NOTED OTHERWISE
- SCARIFY EDGES AND BOTTOM OF HOLE
- ROOT BALL DEPTH
- DIAMETER OF ROOT BALL + 4"

SHRUB PLANTING DETAIL

SECTION - PLANT BED GRADING

Plotted: May 23, 2022 - 10:20am gabriel.kruse L:\Project\20000\20015\CADD\ACAD\Draw\Frog Pond - Overlook\20015\200.dwg Layout Name: L3.00

LIGHTING NOTES:

1.

LIGHT POLES ALONG ALL ROADWAYS SHALL BE PER PGE APPROVED STREET LIGHTING EQUIPMENT (SEE SHEET IL-2 FOR ADDITIONAL DETAILS):

MANUFACTURER:

23' STRESSCRETE 4FT MAST ARM

MANUFACTURER PRODUCT CODE:

KMRE-A-23FT-TXT BLACK S/F KSB52 KA32-S-1-4FT-TXTBLACK/WKPL20-PR7AND HARNESS

PGE NUMBER:

CU 1498, SU 90011694 SU 90011695
2.

LIGHT POLES ALONG ALL PATHS SHALL BE:

MANUFACTURER:

NOVA

CATALOG NUMBER:

NP8050D13AB
3.

POLE FOOTING SHALL BE PGE APPROVED:

MANUFACTURER:

OLDCASTLE PRECAST

CATALOG NUMBER:

20R-LB-4-PGE
4.

JUNCTION BOXES SHALL BE PGE-APPROVED SPLICE BOXES. PGE-APPROVED BOXES TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR ARE:

MANUFACTURER:

Newbasis (Associated Plastics) Armorcast Highline Quazite (Hubbell) Oldcastle

JB-1 Catalog Number:

FCA173018T-00043 A6001640TAX18-PGE CHA173018HE1 A42173018A017 17301726
5.

LUMINAIRE FOR THE ROADWAY LIGHTING SHALL BE (SEE SHEET IL-2 FOR ADDITIONAL DETAILS):

MANUFACTURER:

KING AURORA

MANUFACTURER PRODUCT CODE:

K829-P4FL-III-40(SSL)-8060-120-277-3K-WS-QD-TXT BLACK s/f KPL20-PR7

PGE NUMBER:

CU 1497, CU 11693, SU 90011693
6.

WESTBROOKE LUMINAIRE FOR THE PATHWAY LIGHTING SHALL BE:

MANUFACTURER:

PHILIPS HADCO

CATALOG NUMBER:

CXF14-32-G2-A-3-W-A-3-H (HOUSE SIDE SHIELD)
7.

THE PHOTOELECTRIC CONTROL SHALL BE PGE-APPROVED EXTENDED LIFE TWISTLOCK, ELECTRONIC, 105 TO 300 VOLT. THE PGE-APPROVED PHOTOELECTRIC CONTROL IS:

MANUFACTURER:

RIPLEY DTL INTERMACTIC

CATALOG NUMBER:

RD8645 DLL 1271.5 J50 EK4536SB
8.

THE STREETLIGHT WIRE SHALL BE:

#10 AWG, 600 VOLT, 3-CONDUCTOR, CLASS B STRANDING, TYPE TC, WITH SUNLIGHT-RESISTANT 45-MIL PVC JACKET. SUITABLE FOR DIRECT BURIAL INSTALLATIONS. INSULATION TO BE BLACK, RED, AND GREEN PER NEMA WC-7 FOR NEC APPLICATIONS (TFN, THWN, THHN), WITH FILLERS OR BINDING TAPE ADDED TO PRODUCE ROUND OUTER JACKET, RATED 90 DEGREES C DRY AND 75 DEGREES C WET, 1,000 FT NR REELS. JACKET TO DISPLAY SEQUENTIAL FOOTAGE MARKINGS. 2 REEL LABELS, ONE ATTACHED TO THE OUTSIDE FLANGE SURFACE, ONE ATTACHED TO THE DRUM WRAPPING; EACH TO DETAIL TOTAL FOOTAGE, INSIDE OR STARTING FOOTAGE.

GENERAL NOTES

1.

ALL MATERIAL AND WORKMANSHIP ASSOCIATED WITH THE ROADWAY LIGHTING SHALL CONFORM TO P.G.E. OPTION "B" SPECIFICATIONS.
2.

ALL MATERIAL AND WORKMANSHIP ASSOCIATED WITH THE PATHWAY LIGHTING SHALL CONFORM TO P.G.E. OPTION "C" SPECIFICATIONS.
3.

ALL ELECTRICAL EQUIPMENT SHALL CONFORM TO THE CURRENT STANDARDS OF THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) AND THE UNDERWRITERS LABORATORIES, INC. (U.L.). WHEREVER APPLICABLE. IN ADDITION TO THE REQUIREMENTS OF THE PLANS, STANDARD SPECIFICATIONS, AND THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CURRENT REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) THE NATIONAL ELECTRICAL SAFETY CODE, STANDARDS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), AND ANY LOCAL ORDINANCES WHICH MAY APPLY.
4.

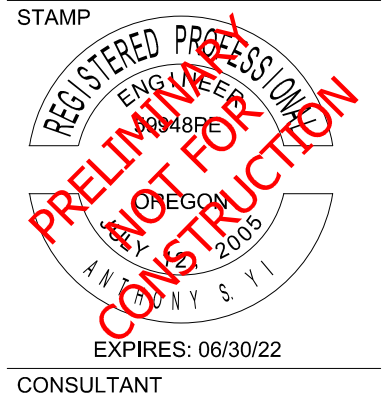
LOCATION OF ILLUMINATION CONDUITS AND JUNCTION BOXES ARE APPROXIMATE. CONTRACTOR SHALL COORDINATE WITH OTHER UTILITIES TO ENSURE PROPER INSTALLATION.
5.

THE CONTRACTOR SHALL COORDINATE WORK WITH LISA GUARNERO OF PGE AT (503) 742-8299 TO COORDINATE POWER SERVICE CONNECTION FOR THE LIGHTING SYSTEM.

LUMINAIRE TABLE										
POLE NUMBER	ROADWAY	STATION	POLE STYLE	POLE TYPE	LUMINAIRE				MOUNTING HEIGHT	ARM LENGTH
					WATT	TYPE	DISTRIBUTION	DIMMING		
1	SW FROGPOND LN	11+75.0	STRESSCRETE	DECORATIVE	40	LED	TYPE 3	1.0	22'	4'
2	SW FROGPOND LN	13+24.5	STRESSCRETE	DECORATIVE	40	LED	TYPE 3	1.0	22'	4'
3	SW FROGPOND LN	14+65.0	STRESSCRETE	DECORATIVE	40	LED	TYPE 3	1.0	22'	4'
4	SW FROGPOND LN	16+09.5	STRESSCRETE	DECORATIVE	40	LED	TYPE 3	1.0	22'	4'
5	SW OVERLOOK	10+39.5	STRESSCRETE	DECORATIVE	40	LED	TYPE 3	1.0	22'	4'
6	SW OVERLOOK	11+29.0	STRESSCRETE	DECORATIVE	40	LED	TYPE 3	1.0	22'	4'
7	SW OVERLOOK	13+02.0	STRESSCRETE	DECORATIVE	40	LED	TYPE 3	1.0	22'	4'
8	SW OVERLOOK	14+35.5	STRESSCRETE	DECORATIVE	40	LED	TYPE 3	1.0	22'	4'
9	MAIN PATH	1+25.0	NOVA	PATHWAY	35	LED	TYPE 3	0.25	12'	4'
10	MAIN PATH	1+80.0	NOVA	PATHWAY	35	LED	TYPE 3	0.25	12'	4'
11	MAIN PATH	2+22.5	NOVA	PATHWAY	35	LED	TYPE 3	0.25	12'	4'
12	MAIN PATH	2+86.0	NOVA	PATHWAY	35	LED	TYPE 3	0.25	12'	4'
13	MAIN PATH	3+39.0	NOVA	PATHWAY	35	LED	TYPE 3	0.25	12'	4'
14	MAIN PATH	3+91.0	NOVA	PATHWAY	35	LED	TYPE 3	0.25	12'	4'
15	MAIN PATH	4+48.0	NOVA	PATHWAY	35	LED	TYPE 3	0.25	12'	4'
16	MAIN PATH	5+02.0	NOVA	PATHWAY	35	LED	TYPE 3	0.25	12'	4'
17	MAIN PATH	5+56.0	NOVA	PATHWAY	35	LED	TYPE 3	0.25	12'	4'
18	MAIN PATH	5+86.0	NOVA	PATHWAY	35	LED	TYPE 3	0.25	12'	4'
19	MAIN PATH	6+31.0	NOVA	PATHWAY	35	LED	TYPE 3	0.25	12'	4'
20	MAIN PATH	6+86.0	NOVA	PATHWAY	35	LED	TYPE 3	0.25	12'	4'
21	MAIN PATH	7+35.0	NOVA	PATHWAY	35	LED	TYPE 3	0.25	12'	4'
22	MAIN PATH	7+88.0	NOVA	PATHWAY	35	LED	TYPE 3	0.25	12'	4'
23	MAIN PATH	8+40.0	NOVA	PATHWAY	35	LED	TYPE 3	0.25	12'	4'

LIGHTING TABLE				
ROADWAY	CLASSIFICATION		3000K FIXTURE	
			LIGHT LEVEL (FC)	UNIFORMITY (AVE:MIN)
SW FROGPOND LN @ OVERLOOK INTERSECTION	LOCAL / LOCAL	RECOMMENDED	≥0.8	≤6:1
		DESIGN	0.9	2.8 : 1
SW FROGPOND LANE WEST LIMITS TO OVERLOOK	LOCAL	RECOMMENDED	≥0.4	≤6:1
		DESIGN	1.0	5.0 : 1
SW FROGPOND LANE OVERLOOK TO EAST LIMITS	LOCAL	RECOMMENDED	≥0.4	≤6:1
		DESIGN	0.9	4.7 : 1
OVERLOOK SW FROGPOND LN TO EAST LIMITS	LOCAL	RECOMMENDED	≥0.4	≤6:1
		DESIGN	0.8	3.8 : 1

PATHWAY LIGHTING TABLE			
		3000K FIXTURE	
WEST PATHWAY	RECOMMENDED	≥0.4	≤4:1
	DESIGN	0.6	2.8 : 1
CENTRAL PATHWAY	RECOMMENDED	≥0.4	≤4:1
	DESIGN	0.6	1.8 : 1
EAST PATHWAY	RECOMMENDED	≥0.4	≤4:1
	DESIGN	0.6	2.9 : 1



FROG POND OVERLOOK ILLUMINATION NOTES

TITLE

#

DATE

DESCRIPTION

REVISIONS

JCH

ASY

DRAWN BY

CHECKED BY

PRELIMINARY

STATUS

MAY 18, 2022

DATE

27474

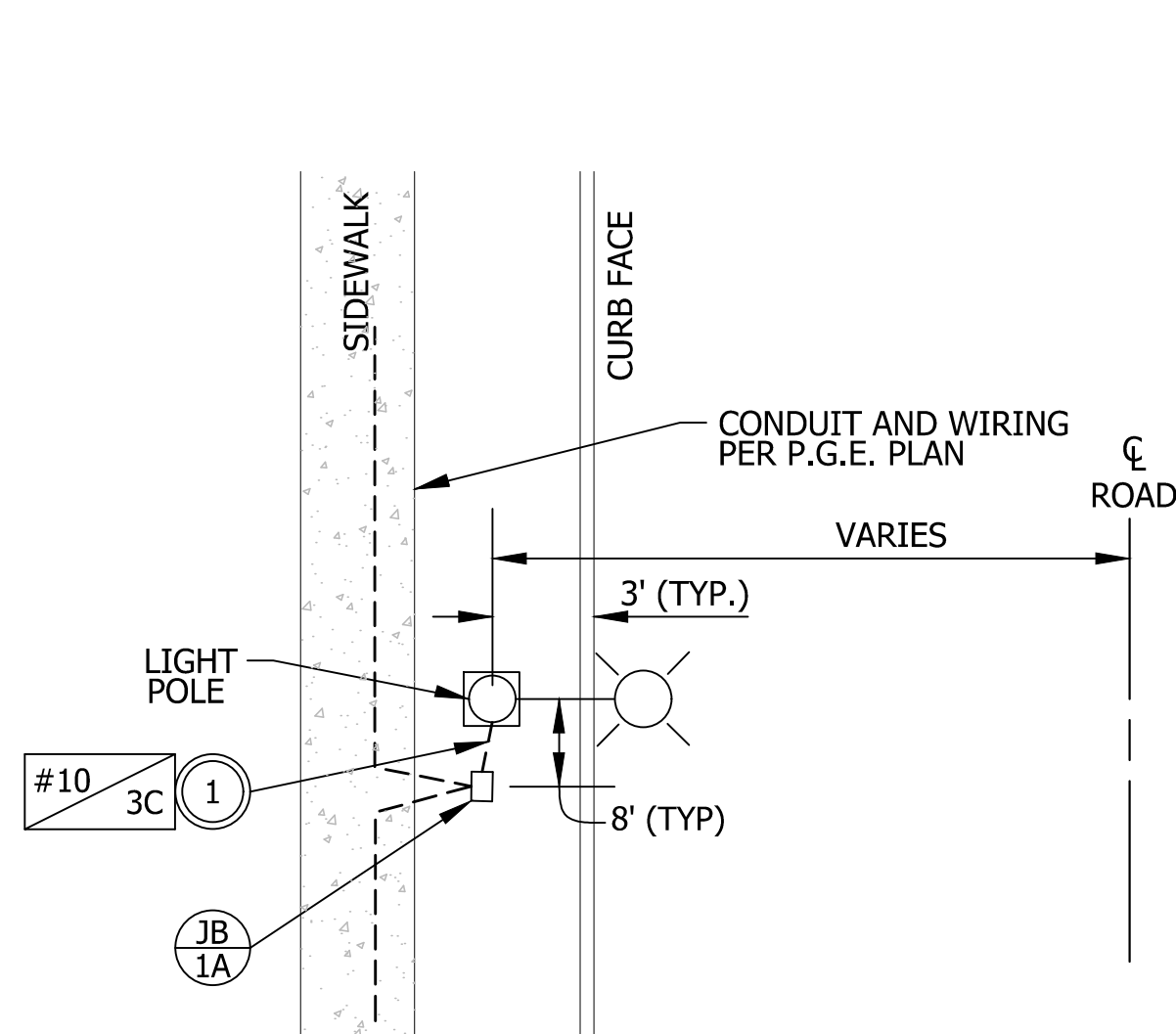
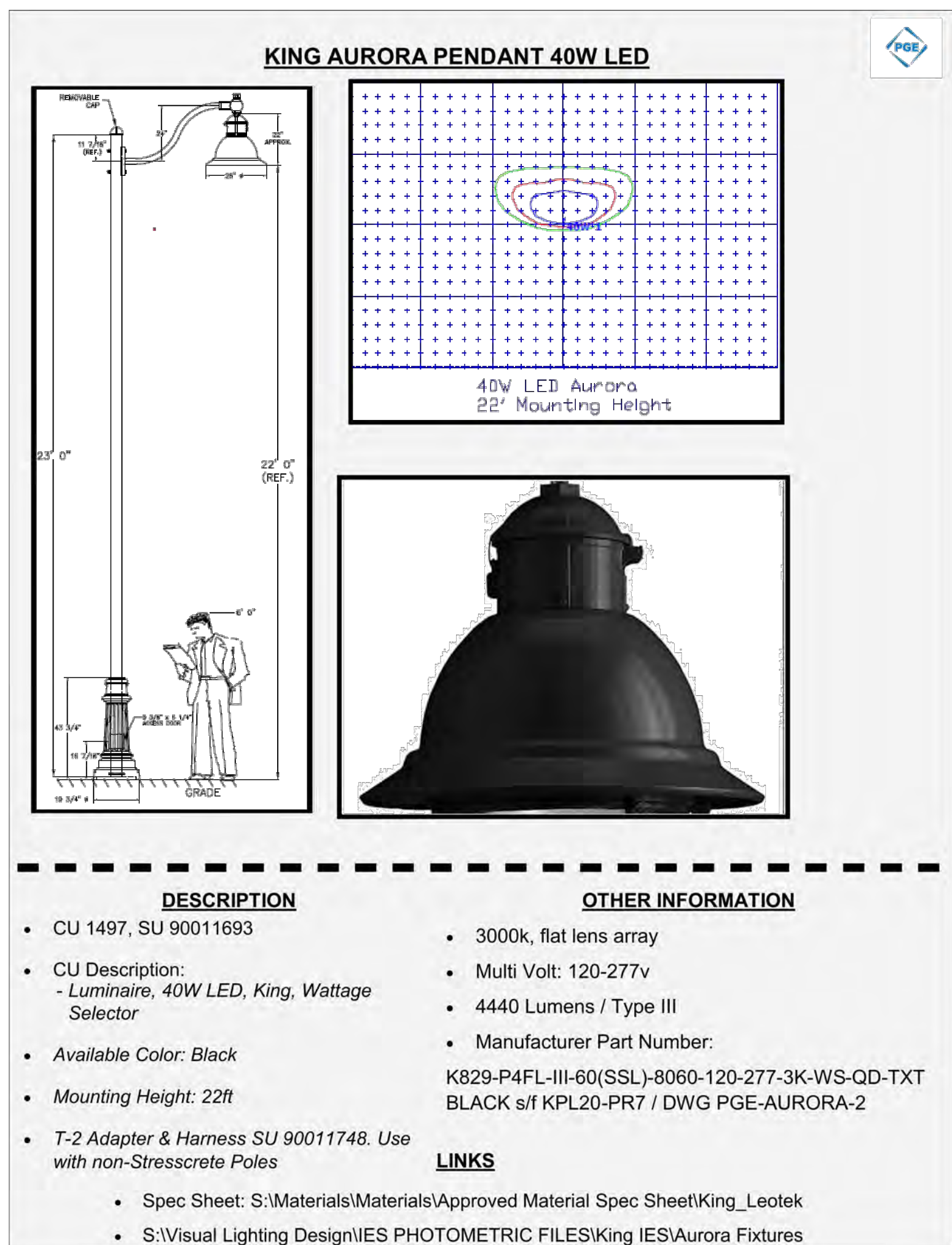
PROJECT NUMBER

IL-1

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Plotted: May 20, 2022 - 1:20:23pm C:\Users\jhemken\appdata\local\temp\AcPublish_19080\27474 FP Overlook Illumination Plans_v4.dwg Layout Name: IL-1



Hand Hole

Luminaire Pole

In-Line Watertight Breakaway Fuse Holder
Littelfuse Part No. LEC-JJ-S

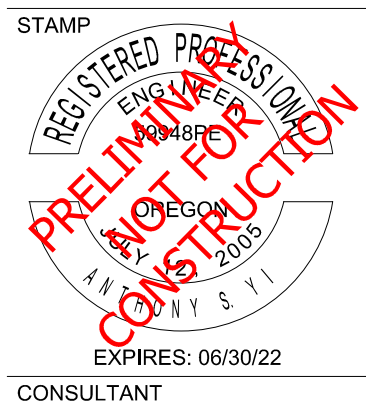


WEST HILLS
LAND DEVELOPMENT



**KITTELSON
& ASSOCIATES**

851 SW 6TH AVENUE, SUITE 600
PORTLAND, OR 97204
P 503.228.5230 F 503.273.8169



FROG POND OVERLOOK

TITLE		
#	DATE	DESCRIPTION
REVISIONS		
JCH		ASY
DRAWN BY		CHECKED BY
PRELIMINARY		
STATUS		
MAY 18, 2022		
DATE		
27474		
PROJECT NUMBER		

IL-2

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This Detail Drawing may not be altered or changed in any manner except by the City Engineer. It is the responsibility of the user to acquire the most current version.

1.

ALL CONCRETE FOOTINGS NEED TO BE INSTALLED WITH TOP OF BASE FLUSH TO CURB/SIDEWALK.

2.

ALL CROSSINGS MUST EXTEND FROM PROPERTY LINE TO PROPERTY LINE. CROSSINGS TO BE 48 INCHES DEEP, MEASURED FROM FINAL GRADE.

3.

DIRECTIONAL BORING REQUIREMENTS: BLACK HDPE (HIGH DENSITY POLYETHELINE) DUCT OR SCHEDULE 40 PVC WITH A MECHANICAL CONNECTION (CERTA-LOK OR LIKE MECHANICAL CONNECTION PRODUCT) PROJECT EXTRUDED RED STRIPES (WHICH IS A SPECIFICATION REQUIREMENT) MANDREL TEST OF HDPE PIPE IS REQUIRED AFTER INSTALLATION WITH CITY INSPECTOR PRESENT.

4.

TRENCH AND ELBOW CONFIGURATIONS, ALL CONDUIT, VAULT AND PAD INSTALLATIONS MUST BE INSPECTED PRIOR TO BACKFILLING.

5.

ALL CONDUCTORS TO BE INSTALLED IN GRAY, SCHEDULE 40, ELECTRICAL GRADE, PVC CONDUIT WITH NYLON PULL STRINGS (MIN 500 LBS. TEST). PGE TO DETERMINE THE SIZE AND NUMBER OF CONDUITS REQUIRED. MAINTAIN 12 VERTICAL INCHES AND 24 HORIZONTAL INCHES CLEARANCE BETWEEN GAS AND OTHER UTILITIES. ALL ELBOWS 4 INCH & SMALLER TO BE 36 INCH RADIUS. ALL BENDS MUST BE FACTORY MADE. ALL ELBOWS LARGER THAN 4 INCH TO BE 60 INCH RADIUS. RIGID STEEL OR PGE APPROVED. FIBERGLASS BENDS ARE REQUIRED FOR RUNS OF 151 FEET OR LONGER, OR FOR ANY LENGTH RUN WITH MORE THAN 180 DEGREES IN BENDS. PVC SCHEDULE 40 BENDS ARE ACCEPTABLE FOR RUNS OF 150 FEET OR LESS. THE MAXIMUM TOTAL BENDS IN ANY CONDUIT RUN IS 270 DEGREES.

6.

THE AIR GAP, IF ANY BETWEEN THE TOP OF THE FOOTING/PEDESTAL AND THE BOTTOM OF THE POLE SHALL BE GROUTED WITH HIGH STRENGTH, NON-SHRINK GROUT.

STREETLIGHT FOOTING REQUIREMENTS

DRAWING NUMBER: RD-1340

DRAWN BY: SR

SCALE: N.T.S.

FILE NAME: RD-1340.dwg

APPROVED BY: NK

DATE: 08/08/17

CITY OF WILSONVILLE

PUBLIC WORKS STANDARDS

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2 PIECE FIBERGLASS (COMPOSITE) POLE

Put String Taped to Side of Conduit

Pole Stub Section

See Note 2 for installing Street Metal Screws

See Note 1 3/4" - Minus Crushed Rock

28" Radius Elbows Depending on Installation

4" Above Finish Grade

Leave Empty 7" Below Finish Grade

Leave Extra Room for Backfill

1

Top Section Slips Over Stub

2

Bottom Piece Pole Installation

Notes:

1. Tampered 3/4-inch minus crushed rock backfill is required around all poles and footings regardless of soil condition to maintain proper pole alignment.

2. Install 2-810x3/4" sheet metal screws 180" apart through pole top and stub to prevent rotation of pole top.

PRECAST CONCRETE FOOTING NO. 5CL-LB (750 LB)

See Note 2

11"

3-1/2"

8"

1-1/2"

1-1/2"

See Note 1 3/4" - Minus Crushed Rock

Notes:

1. Tampered 3/4-inch minus crushed rock backfill is required around all poles and footings regardless of soil condition to maintain proper pole alignment.

2. Anchor Bolt Size and Spacing as Required Customer to Supply (4 Flanges in Total) Bolt Circle - 11" Dia 1" SMC - 30" NC Gray Steel 3-1/2" Bolt Projection

3. WHEN INSTALLING ALUMINUM POLES, ONE 8-01" GALVANIZED GROUND ROD WITH HE SOLDER CU WIRE MUST BE INSTALLED AT LEAST 2" BELOW FINAL GRADE IN UNDISTURBED SOIL. PER NESC 21.4C

4. MINIMUM 4' DEPTH INTO COMPACTED NATIVE SOIL

GROUND ROD INSTALLATION FOR STREET LIGHT METAL POLES

STREET SIDE

TOP VIEW

STREET LIGHT FOOTING

GROUND ROD LOCATION

FIELD SIDE

3" COILED AT TOP OF FOOTING

FINAL GRADE

CONCRETE ST LT FOOTING

MIN 6"

8" GALVANIZED 5/8" GROUND ROD

1" SCHED 40 CONDUIT W/ 3/8" SWEEP

#6 AWG BSD COPPER GROUND CONDUCTOR

NOTES: CONTRACTOR TO PROVIDE AND INSTALL GROUND ROD & COPPER WIRE.

1. THE GROUND ROD & #6 AWG CU BSD MUST BE INSTALLED DURING STREET LIGHT FOOTING INSTALLATION.

2. THE GROUND ROD MUST BE INSTALLED IN UNDISTURBED SOIL AT LEAST 2" BELOW FINAL GRADE, PER NESC 215C.

3. CONTRACTOR TO COIL 3" OF COPPER WIRE AROUND TOP OF GROUND ROD, AND MAKE FINAL CONNECTIONS.

4. GONDING IS ACCOMPLISHED BY CONNECTING THE NEUTRAL CONDUCTOR (GREEN CONDUCTOR) TO THE GROUNDING CONDUCTOR NEAR THE POLE GROUNDING TAB.

Streetlight Footing Requirements

DRAWING NUMBER: RD-1335

DRAWN BY: SR

SCALE: N.T.S.

FILE NAME: RD-1335.dwg

APPROVED BY: NK

DATE: 08/08/17

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STREETLIGHT POLE

SEE STREETLIGHT DETAILS AND ELECTRICAL JUNCTION BOXES DETAIL

1" CONDUIT

2" CONDUIT

LIGHTING JUNCTION BOX (TYPE JB2)

1" CONDUIT

2" CONDUIT

STREETLIGHT POLE

PGE TRANSFORMER

CONDUIT (PER PGE REQUIREMENTS)

PGE TYPE 1730 JUNCTION BOX MIN 10 FT, MAX 50 FT FROM TRANSFORMER.

CITY STREETLIGHT SERVICE DISCONNECT. SEE PRE-APPROVED MATERIALS LIST.

NOTES:

1. MINIMUM CONDUCTOR SIZE SHALL BE 10 GA. CONDUCTORS SHALL BE UPSIZED IF REQUIRED TO KEEP VOLTAGE DROP TO LESS THAN 3%. 3-CONDUCTOR 7-STRAND COPPER WIRE WITH .030" XLPE INSULATION, FILLERS, AND CLEAR MYLAR WRAP TAPE NON-SHIELDED OVERALL .045" BLACK PVC JACKET (UL) TC-ER XHHW-2/VW-1 600V 90C DRY/WET, SUN RESISTANT, DIRECT BURY, CC: BLACK/RED/GREEN FOR 220 VOLT AND BLACK/WHITE/GREEN FOR 120 VOLT.

2. ALL EMPTY CONDUITS MUST HAVE A #14 LOCATE WIRE AND A NONCONDUCTIVE PULL LINE, 500 POUND RATED, WITH 6 FEET OF LINE EXTENDING FROM EACH END OF THE CONDUIT.

3. INSTALL ELECTRICAL GRADE SCHEDULE 40 GRAY PVC CONDUIT WITH FIBERGLASS BENDS. ALL PVC JOINTS SHALL BE GLUED. ALL FACTORY OR FIELD CUT CONDUITS SHALL BE CHAMFERED TO PREVENT DAMAGE TO CABLES. A WOODEN, PLASTIC, OR HARD RUBBER MANDREL CONFIGURED FOR THE CONDUIT INSIDE DIAMETER SHALL BE PULLED THROUGH TO TEST FOR OBSTRUCTIONS AND OUT-OF-ROUND CONDUIT.

4. ELECTRICAL BUILDING PERMIT REQUIRED.

Streetlight Disconnect

DRAWING NUMBER: RD-1330

DRAWN BY: SR

SCALE: N.T.S.

FILE NAME: RD1330.dwg

APPROVED BY: NK

DATE: 08/08/17

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GROUND WIRE 4" MIN. (WHEN REQUIRED)

BONDING LUG (WHEN REQUIRED)

JUNCTION BOX COVER

STAINLESS STEEL/BRASS "L" BOLTS OR HEX HEAD BOLTS

3/4" - 0" CRUSHED ROCK

2 IN

12" OF 3/4" - 0" CRUSHED ROCK

CONDUIT

INSTALLATION IN SIDEWALK OR AT BACK OF CURB

45° CHAMFER TYP

12"

1"

3/4"

PORTLAND CEMENT CONCRETE APRON

3" MIN

COVER TO BE MARKED "SIGNALS" OR "LIGHTING" AS DIRECTED (MIN 1" LETTER HEIGHT)

USE LOCKING LID FOR LIGHTING BOXES.

LIFT EYE

JUNCTION BOX COVER WITH RECESSED LIFTING EYE OR MAX 3/8" LIFT HOLE

SIDEWALK (AS SHOWN ON PLANS)

FACE OF CURB

TRAVEL LANE

12" MIN

12" MIN

BACK OF SIDEWALK

JUNCTION BOX

NOT TO BE USED IN TRAVEL LANES, SHOULDERS OR AREAS EXPOSED TO TRAFFIC. SEE PRE-APPROVED MATERIALS LIST.

TYPE	L	W	D
JB1	17"	10"	12"
JB2	22"	12"	12"
JB3	30"	17"	12"

JUNCTION BOX DIMENSION TABLE

JUNCTION BOX PLACEMENT WITHIN SIDEWALKS SHOULD AVOID INSTALLING JUNCTION BOXES IN SIDEWALKS WHENEVER POSSIBLE. (JUNCTION BOXES TO BE LOCATED ONLY IN FLAT AREAS OF SIDEWALKS. CONCRETE JUNCTION BOXES ARE NOT TO BE INSTALLED IN SLOPES OF RAMPS OR DRIVEWAYS) JUNCTION BOXES PLACED WITHIN SIDEWALKS SHALL INCLUDE A FULL PANEL REMOVAL AND REINSTALL.

Electrical Junction Boxes

DRAWING NUMBER: RD-1325

DRAWN BY: SR

SCALE: N.T.S.

FILE NAME: RD1325.dwg

APPROVED BY: NK

DATE: 08/08/17

CITY OF WILSONVILLE

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POLES AND MAST ARMS

Length & Type	Valmont	Hadco	P&K Poles (Flagpole Inc)	Union Metal
30 foot, Davit 6' Mast Arm (1952) (CU 279)	3000-85106D4	41-176PGE	RTA8130AAD1632D	920-B179-Y1
30 foot, Double Davit 2-6' Mast	3000-856206D4Z	42-158XPGE	NONE	920-B180-Y1
35 foot, Davit 8' Mast	3500-8108D4	41-231PGE	RTA8M35AAD1832D	920-B179-Y2

POLE: DECORATIVE BLACK ALUMINUM (Use with Hadco Westbrook Fixture)

Length	Hadco
18 Foot, Black, Smooth Anchor Base (11" B.C.)	CP2871C (40034)
4 Foot Pole Extension w/Arm Bracket, Pole Cap, and 18 Foot Smooth Westbrook Pole (CU 1437)	CA7897-HFP710-P5A (90002579)
4 Foot Pole Extension w/Double Mast Arm, Pole Cap, and 18 Foot Smooth Westbrook Pole (CU 1438)	CA2871L-HFP720-P5A (90003564)

POLES: COMPOSITE, 2-PIECE, SMOOTH FINISH, DIRECT-BURIED, TOP PIECE ONLY

Length & Type	Mounting Height & Color	Shakespeare	CMT
30 Foot, Direct Buried	25 Feet, Bronze	BHT3099S58L9901 (39358) (CU 1111)	MDS30-F-100-52-HS-PC-NP-1B-22 (39372) (CU 1112)

POLE FOOTINGS: CONCRETE

Precast Concrete Base	Bolt Circle	Bolt Projection	Bolt Type	Base Dimensions	Utility Vault Company
For all decorative and post-top anchor base poles 14 to 25 feet. (39083)	11 inch	3-1/2 inch	1" - 8 NC Galv Steel	20" Round by 48" High	20R-LB-4 PGE
For 25 to 35 Foot Aluminum Anchor Base Poles (00147)				14" Square by 60" High	5CL-LB PGE
For 40 Foot Aluminum Anchor Base Poles (39094)				18" Top 24" Bottom 84" High	7-LB PGE

Approved Street Lighting Equipment for New Installations Pg 4

DRAWING NUMBER: RD-1345

DRAWN BY: SR

SCALE: N.T.S.

FILE NAME: RD-1345.dwg

APPROVED BY: NK

DATE: 08/28/17

CITY OF WILSONVILLE

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MISCELLANEOUS

GROUT

Non-Shrink Grout, such as Alcrete Twenty Minute Fast Setting Grout, or approved equal

The air gap between the top of pedestal and bottom of light pole shall be grouted with a high-strength, non-shrinking grout meeting ODOT SSC Section 02440.50(b).

MANHOLE COVER: GRAY, PLASTIC, STEEL CORE, UNIVERSAL

Quantum Engineering TL-S (90004595)

STREETLIGHT WIRE: UNDERGROUND OR IN POLE

Streetlight Wire

Description

#10 CU 3-Conductor (00036) (CU 635)

#10 AWG, 600 Volt, 3-Conductor, Class B Stranding, Type TC, with Sunlight-Resistant 45-mil PVC Jacket. Suitable for direct burial installations. Insulation to be black, red, and green per NEMA WC-7 for NEC applications (TFN, THWN, THHN), with fillers or binding tape added to produce round outer jacket, rated 90DC dry and 75DC wet, 1,000 ft NR reels. Jacket to display sequential footage markings. 2 reel labels, one attached to the outside flange surface, one attached to the drum wrapping; each to detail total footage, inside or starting footage.

JUNCTION BOX: FOR UNDERGROUND CONDUCTORS & CONNECTIONS

Junction Box Description

Junction Box, Concrete Polymer Lid, Fiberglass Reinforced Polymer flared sides, 18" Deep, No Floor, With Skid Resistant Cover Attached by Two Captive stainless steel 3/8-inch Penta-head Bolts, Gray Color, per Material Specification L26107 Note: 12"x12"x12" is 12 inches deep with straight sides. Covers must be marked ELECTRIC or POWER.

Manufacturer

13" x 24" x 18" (90003478)

17" x 30" x 18" (90003480)

12" x 12" x 12" (39031)

Newbasis

FCA132418T-00043

FCA173018T-90026

PCA1212-90006 (Box: PMB121212SN20 Lid: SMC1212B1A20)

Quazile (Hubbell)

A42132418A017

A42173018A017

N/A

Oldcastle/Carson Industries

13241617

17301620

HLW1212-12-PC

CDR (Electrimold)

N/A

N/A

PA-13-1212-12

Highline

CHA132418HE1

CHA173018HE1

PHA121212SE1

Armorcast

A6001946TAX18-PGE

A6001640TAX18-PGE

A6001423TA (Box: A6001423) (Cover: A6001422)

Approved Street Lighting Equipment for New Installations Pg 5

DRAWING NUMBER: RD-1345

DRAWN BY: SR

SCALE: N.T.S.

FILE NAME: RD-1345.dwg

APPROVED BY: NK

DATE: 08/28/17

CITY OF WILSONVILLE

PUBLIC WORKS STANDARDS

Plotted: May 20, 2022 - 1:20:23pm C:\Users\jhemken\appdata\local\temp\AcPublish_1908012474 FP Overlook Illumination Plans_v4.dwg Layout Name: IL-3

W

WEST HILLS

LAND DEVELOPMENT

KITTELSON

& ASSOCIATES

951 SW 4TH AVENUE, SUITE 600

PORTLAND, OR 97204

P 503.226.5030 F 503.273.8169

STAMP

REGISTERED PROFESSIONAL ENGINEER

NO. 1888

STATE OF OREGON

DATE: 12-1-2009

EXPIRES: 06/30/22

CONSULTANT

FROG POND OVERLOOK

ILLUMINATION DETAILS

TITLE

DATE DESCRIPTION

REVISIONS

JCH ASY

DRAWN BY CHECKED BY

PRELIMINARY

STATUS

MAY 18, 2022

DATE

27474

PROJECT NUMBER

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