

FROG POND OVERLOOK

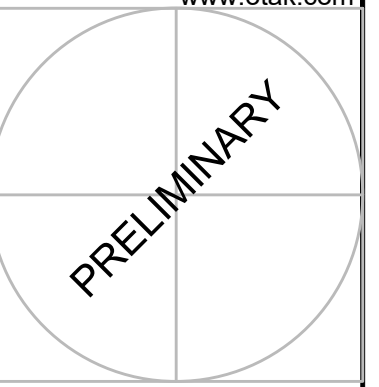
PLANNED DEVELOPMENT

12 DETACHED SINGLE FAMILY LOTS

CITY OF WILSONVILLE, OREGON



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
COVER SHEET

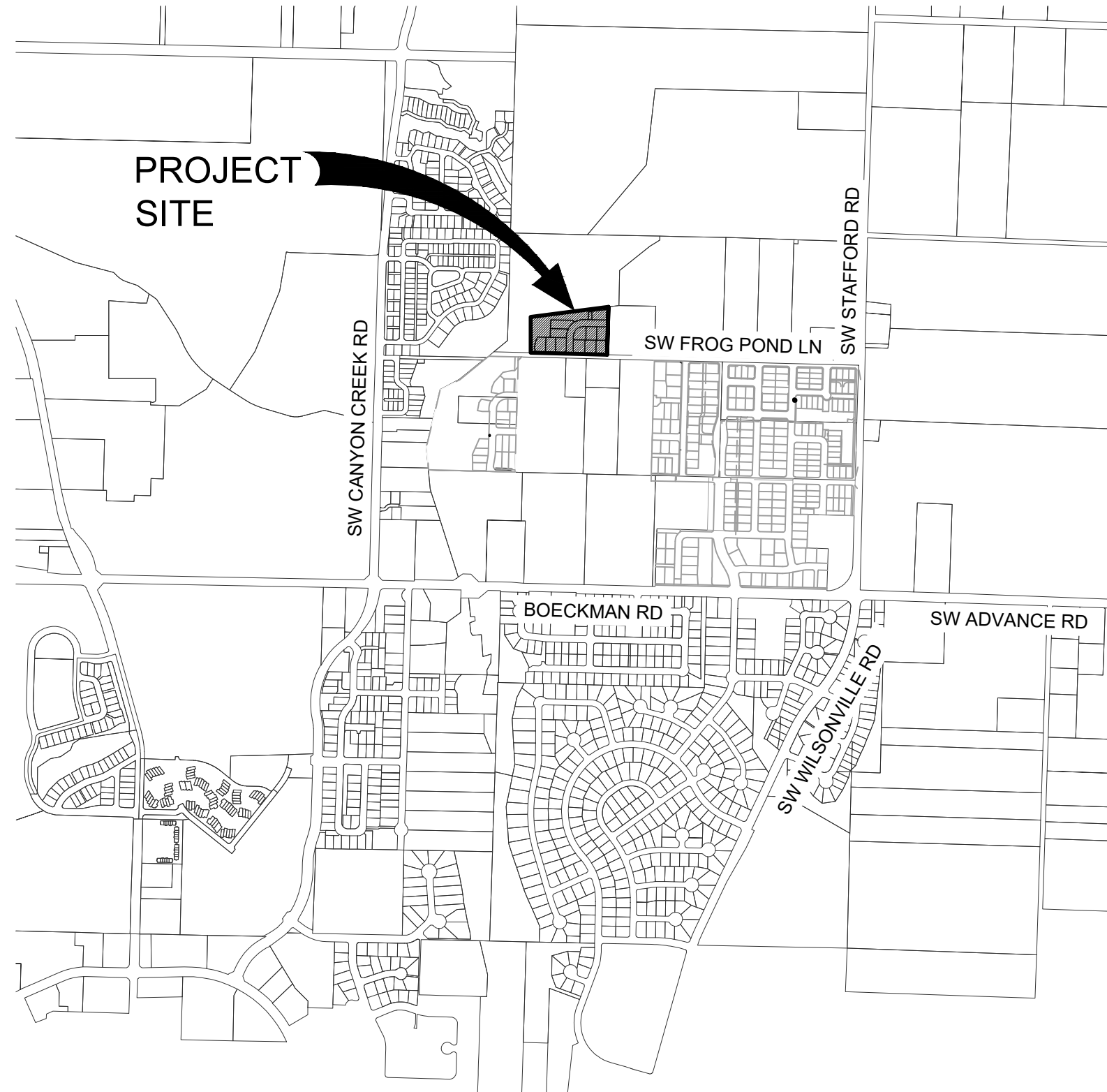
TITLE	#	DATE	DESCRIPTION

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

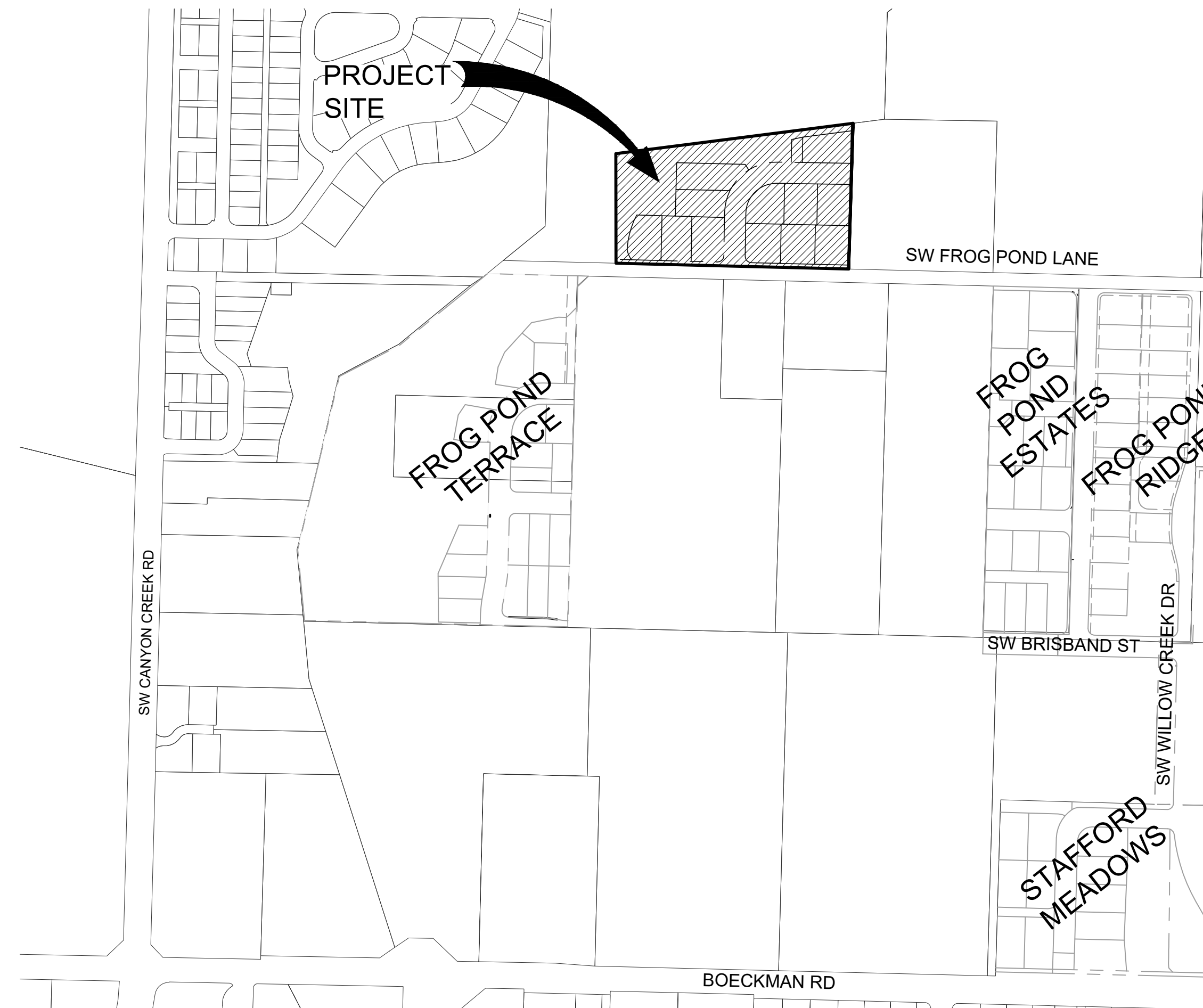
P0.00

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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
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IL-1	ILLUMINATION NOTES
IL-2	ILLUMINATION DETAILS
IL-3	ILLUMINATION DETAILS
IL-4	ILLUMINATION PLAN



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

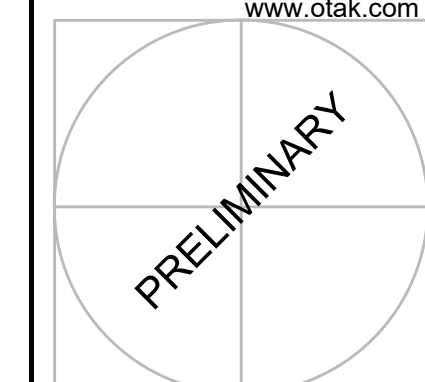
ARBORIST

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

Plotted: May 20, 2022, 2:04pm, Keith Buisman, L:\Projects\20000\20015\CADD\DWG\Frog_Overlook\20015\FP00.dwg, Layout Name: P0.00



STAMP



WEST HILLS
LAND DEVELOPMENT
CONSULTANT

EXISTING LEGEND

- PROPERTY LINE
- PROJECT LIMITS
- EXISTING 5' CONTOUR
- OVERHEAD LINE
- COM. CABLE LINE
- GAS LINE
- WATER LINE
- ELECTRIC LINE
- SANITARY SEWER LINE
- WETLANDS
- CULVERT PIPE
- TREES



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

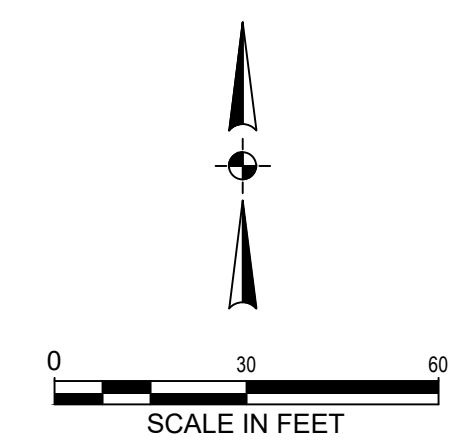
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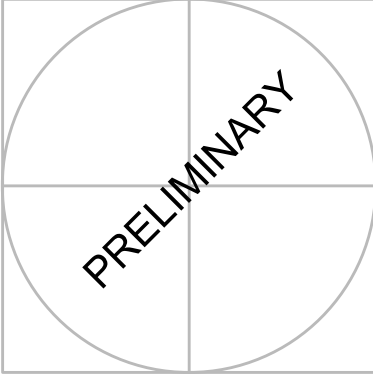
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OTAK CAD	KJB
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LAND USE SUBMITTAL	STATUS
MAY 23, 2022	DATE
20015	PROJECT NUMBER

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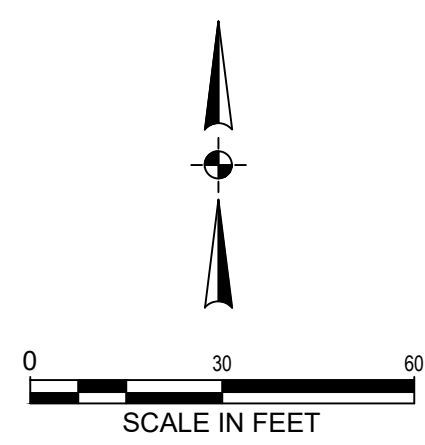
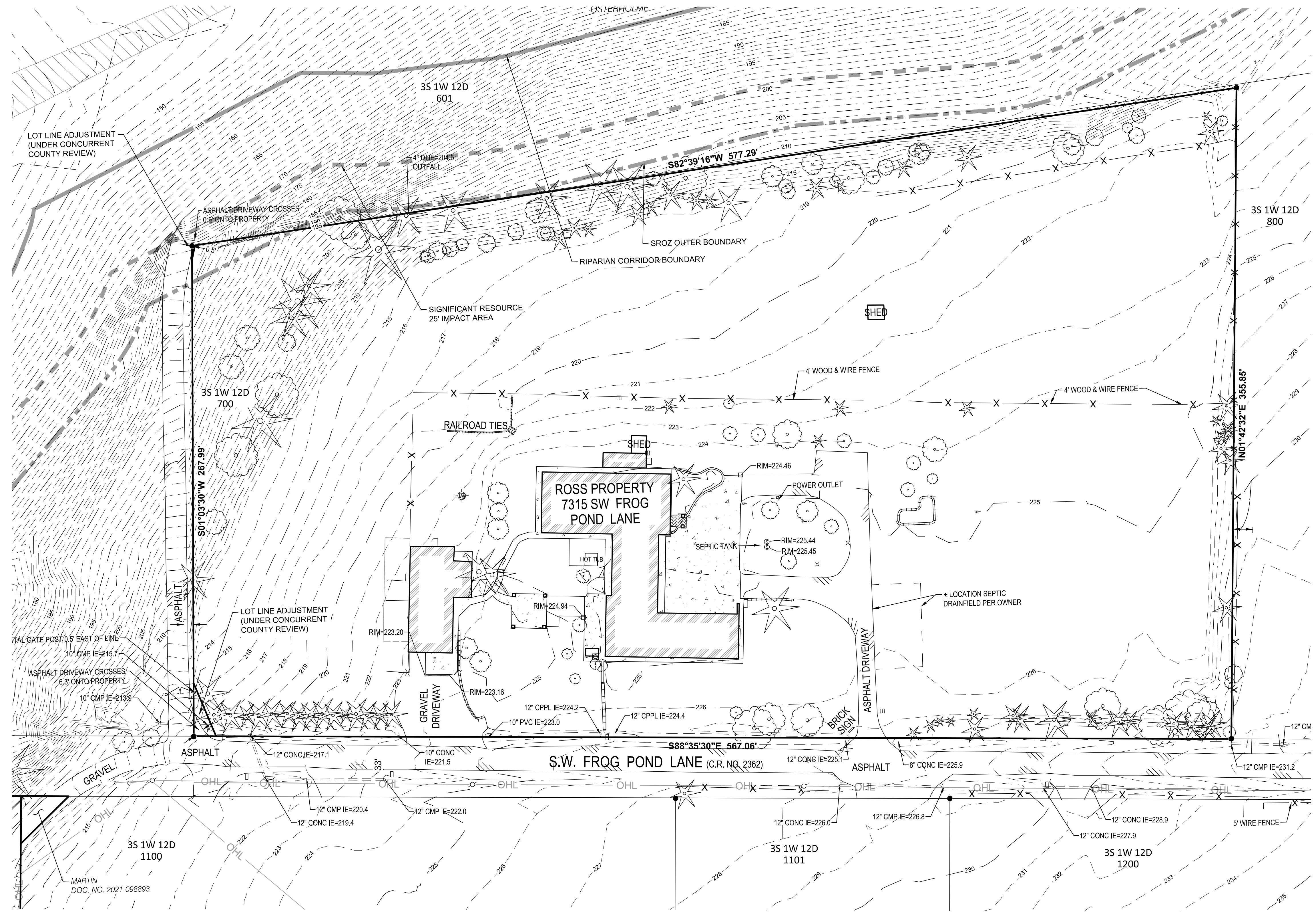
FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

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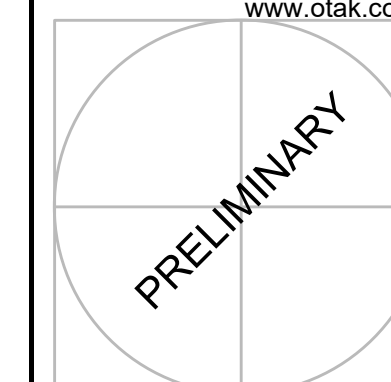
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STATUS
MAY 23, 2022
DATE
20015
PROJECT NUMBER
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EXISTING LEGEND

- PROPERTY LINE
- PROJECT LIMITS
- EXISTING 5' CONTOUR
- OVERHEAD LINE
- COM. CABLE LINE
- GAS LINE
- WATER LINE
- ELECTRIC LINE
- SANITARY SEWER LINE
- WETLANDS
- CULVERT PIPE
- TREES



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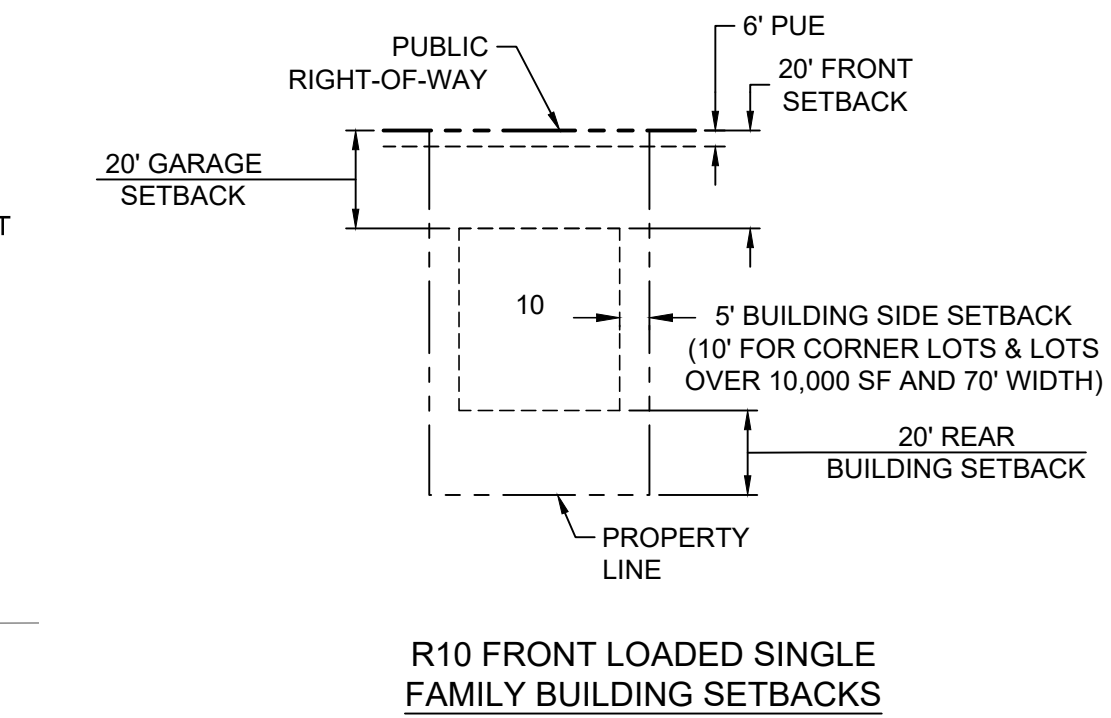
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LAND DEVELOPMENT
CONSULTANT

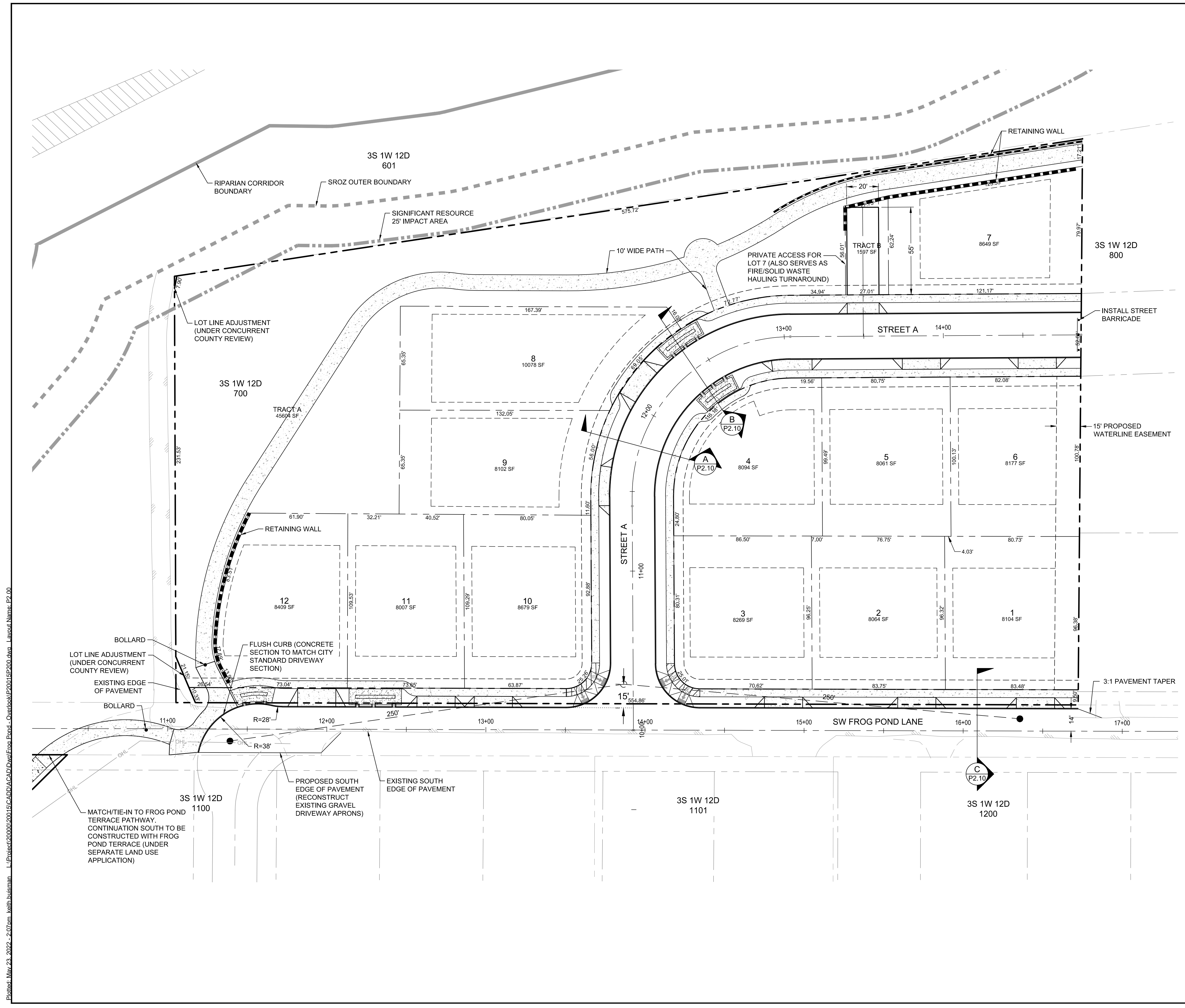
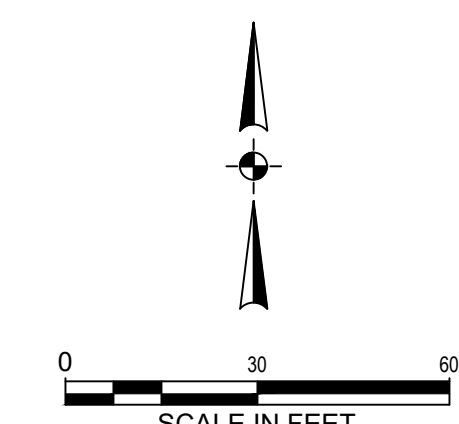
LEGEND

- PROPERTY LINE
- CENTER LINE
- LOT LINE
- LOT SETBACK
- LOT NUMBER / NAME 16
- EASEMENT LINE
- STANDARD CURB
- SIDEWALK
- RETAINING WALL
- INTERSECTION SIGHT DISTANCE [x]
x=DESIGN SPEED(MPH)x10'/MPH
- TYPICAL STREET CROSS SECTION (SEE SHEET P2.10)
- PUBLIC RAIN GARDEN
- DRIVEWAY
- CURB RAMP



LOT AREA		TRACT/ROW AREA	
LOT	AREA	TRACT	AREA
1	8,104 SF	ROW	29,338 SF
2	8,064 SF	TRACT A	45,604 SF
3	8,269 SF	TRACT B	1,597 SF
4	8,094 SF		
5	8,061 SF		
6	8,177 SF		
7	8,649 SF		
8	10,078 SF		
9	8,102 SF		
10	8,679 SF		
11	8,007 SF		
12	8,409 SF		

Development Summary		
Residential lot Area	100,693	56.81%
Open space	45,604	25.73%
Right of way	30,935	17.45%
Total site area	177,232	100.00%
Minimum Lot Size	8,007 s.f.	
Average Lot size	8,391 s.f.	



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

PRELIMINARY SITE PLAN

TITLE

#	DATE	DESCRIPTION

REVISIONS

NAV/D88
DATUM

OTAK CAD KJB
DRAWN BY CHECKED BY

LAND USE SUBMITTAL STATUS

MAY 23, 2022
DATE

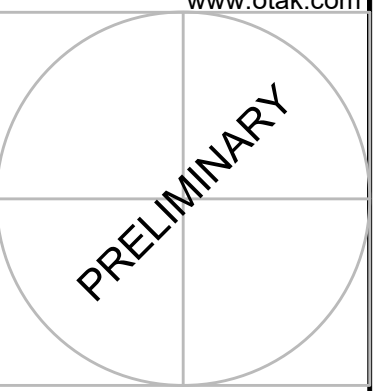
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PROJECT NUMBER

P2.00

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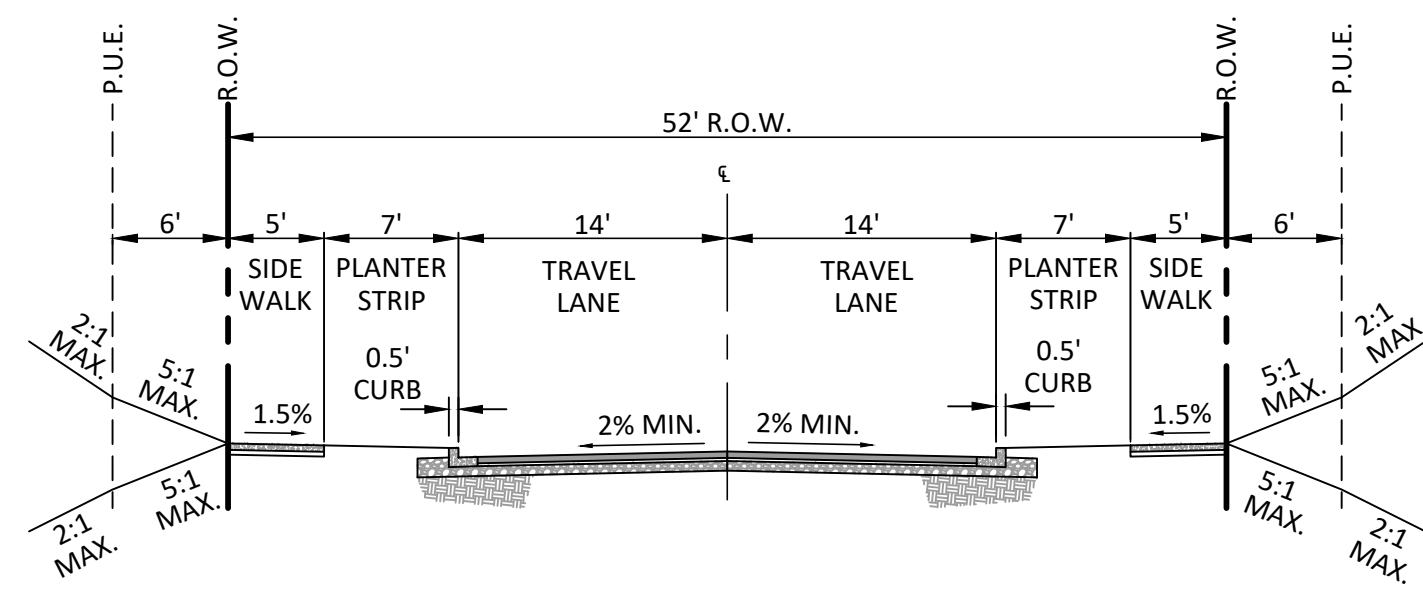
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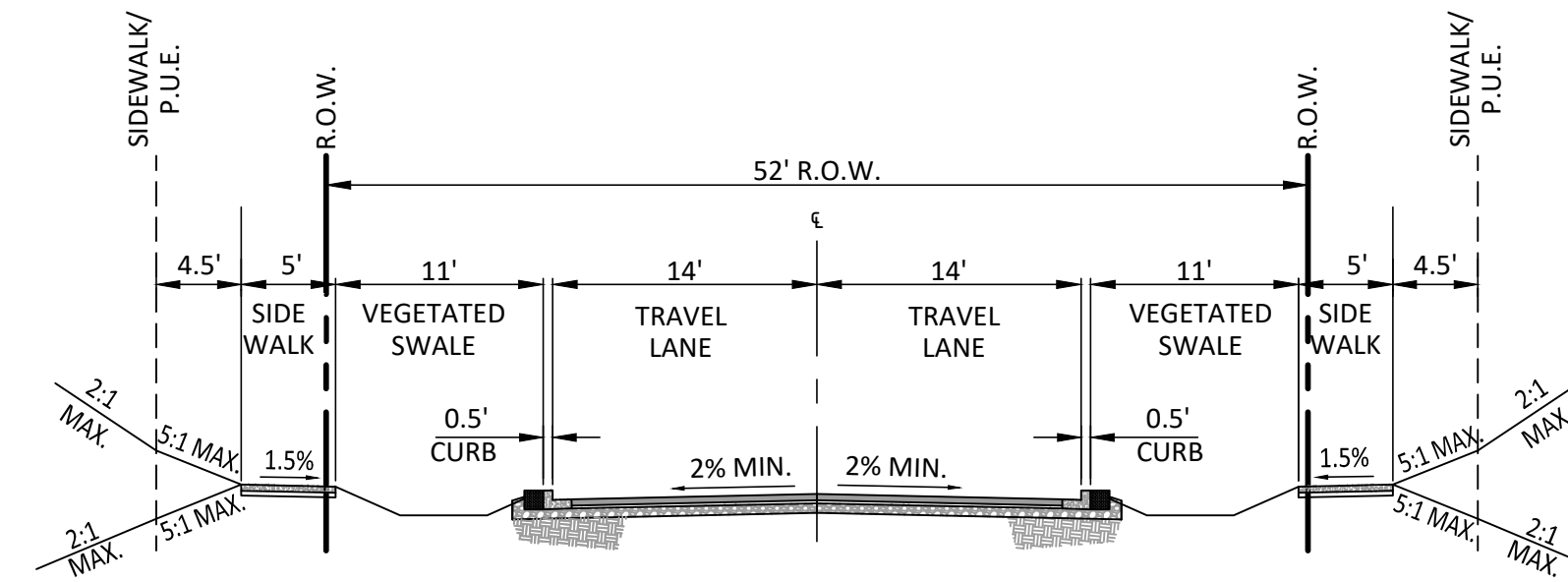
WEST HILLS
LAND DEVELOPMENT
CONSULTANT

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

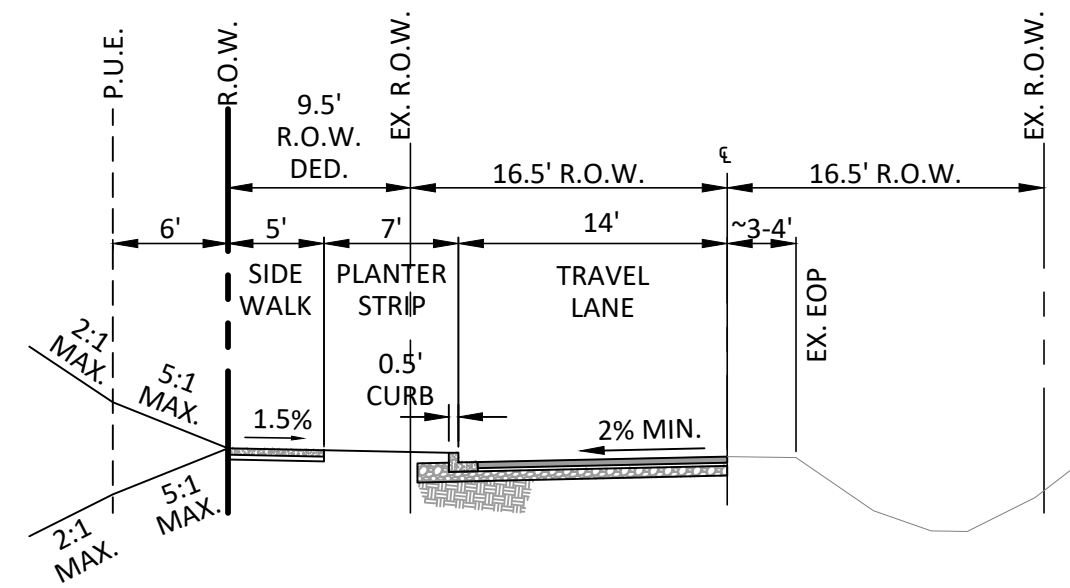
PRELIMINARY STREET CROSS SECTIONS



A STREET A
(LOCAL STREET - PARKING ON BOTH SIDES)
SCALE: 1" = 10'-0"



B STREET A
(LOCAL STREET - PARKING ON BOTH SIDES)
SCALE: 1" = 10'-0"



C SW FROG POND LANE
(LOCAL STREET - PARKING ON BOTH SIDES)
SCALE: 1" = 10'-0"

STREET CROSS SECTIONS

SEE SHEET P2.00 FOR SECTION LOCATIONS

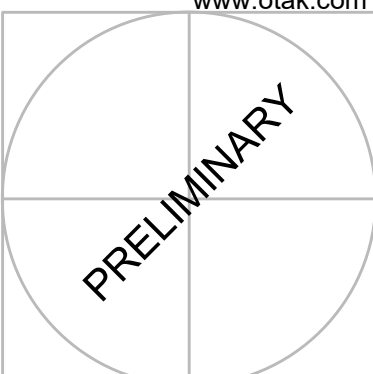
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#	DATE	DESCRIPTION

REVISIONS	
NAVD88	DATUM
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20015	PROJECT NUMBER

P2.10

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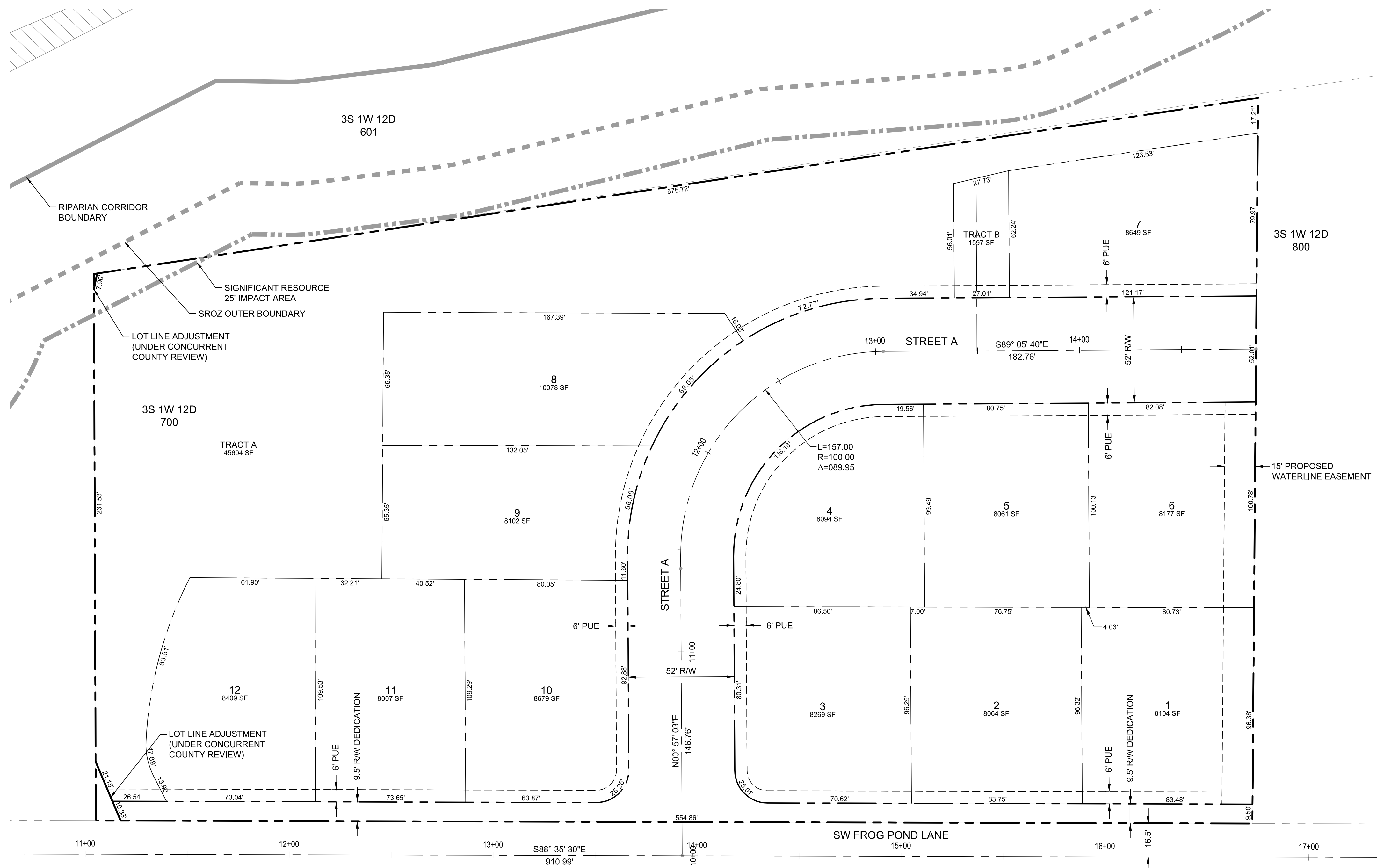
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LAND DEVELOPMENT
CONSULTANT

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



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

PRELIMINARY PLAT

TITLE

#	DATE	DESCRIPTION

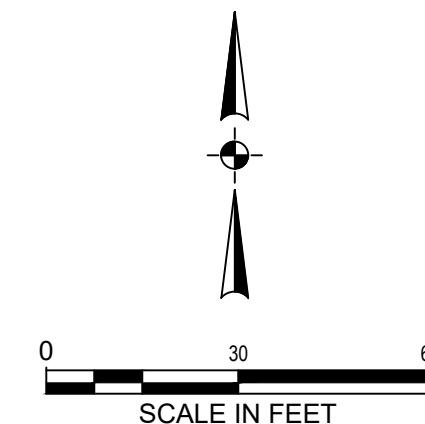
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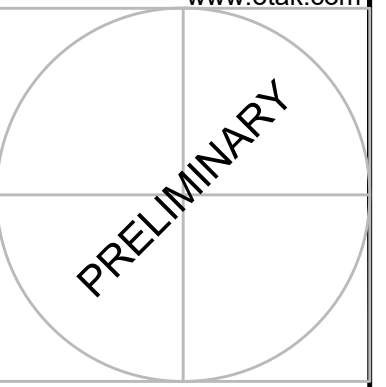
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PROJECT NUMBER	

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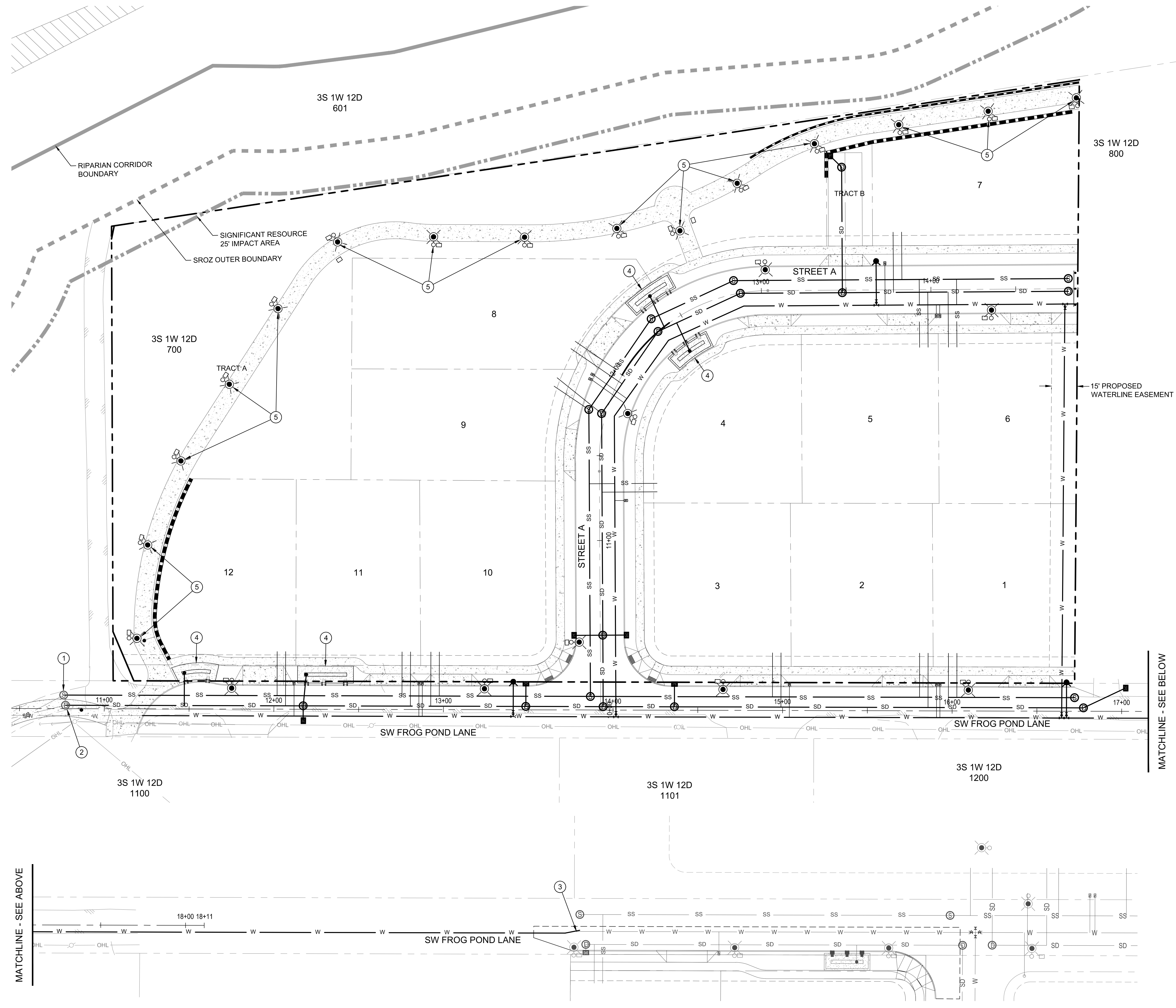


UTILITY KEY NOTES

- 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).

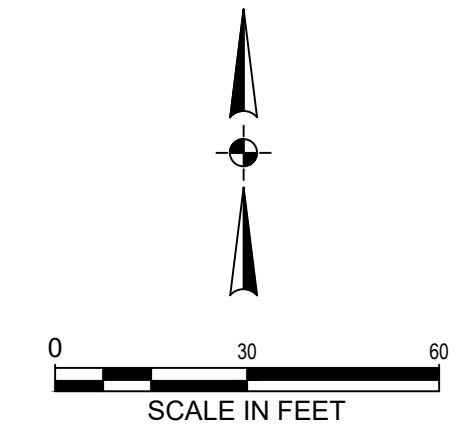
LEGEND

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	
STORM DRAIN LATERAL	
SANITARY SEWER MANHOLE	
SANITARY SEWER CLEAN OUT	
SANITARY SEWER MAIN	
SANITARY SEWER LATERAL	
WATER VALVE	
WATER BLOW-OFF	
WATER METER	
WATER FIRE HYDRANT	
WATER MAIN	
WATER LATERAL	
STREET LIGHT PGE OPTION "B" LED WITH WESTBROOKE 35W LED AND 18" DECORATIVE ALUMINUM POLE (20' MOUNTING HEIGHT W/ 4' MAST ARM)	



MATCHLINE - SEE BELOW

MATCHLINE - SEE ABOVE



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

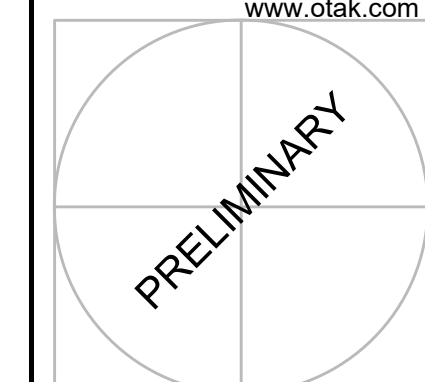
PRELIMINARY UTILITY PLAN

#	DATE	DESCRIPTION

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

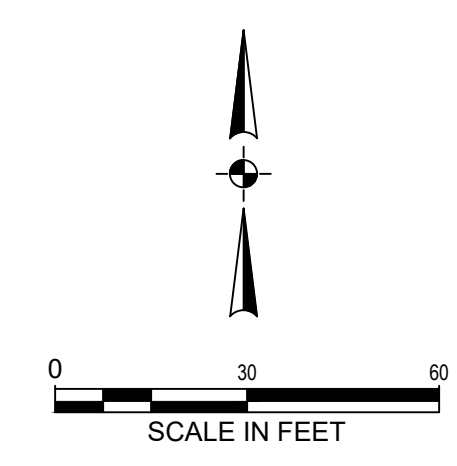
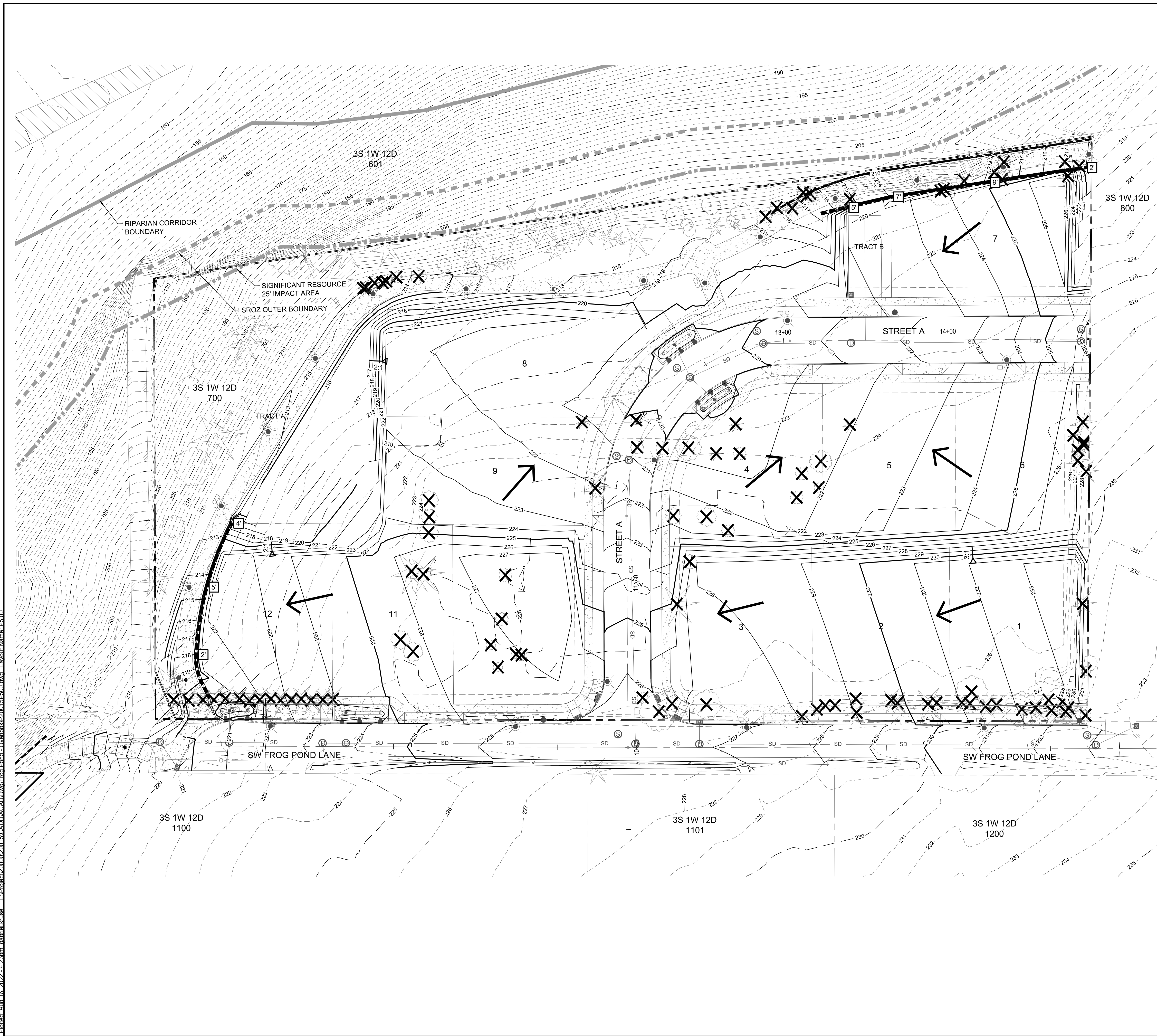
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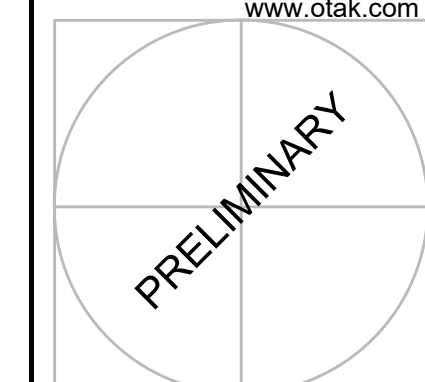
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OTAK CAD DRAWN BY KJB
CHECKED BY
LAND USE SUBMITTAL STATUS
MAY 23, 2022 DATE
20015 PROJECT NUMBER

LEGEND

- EXISTING 1' CONTOUR: - - - - - 276
- EXISTING 5' CONTOUR: - - - - - 280
- PROPOSED 1' CONTOUR: - - - - - 276
- PROPOSED 5' CONTOUR: - - - - - 280
- RETAINING WALL: [Symbol]
- LOT FLOW ARROW: [Symbol]
- EXISTING TREES TO REMAIN: [Symbol]
- EXISTING TREES TO BE REMOVED: [Symbol]
- APPROXIMATE WALL HEIGHT: [Symbol] 6'

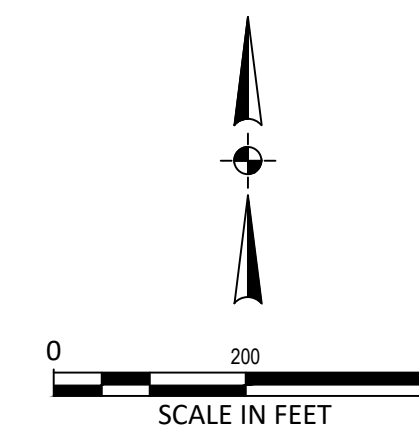
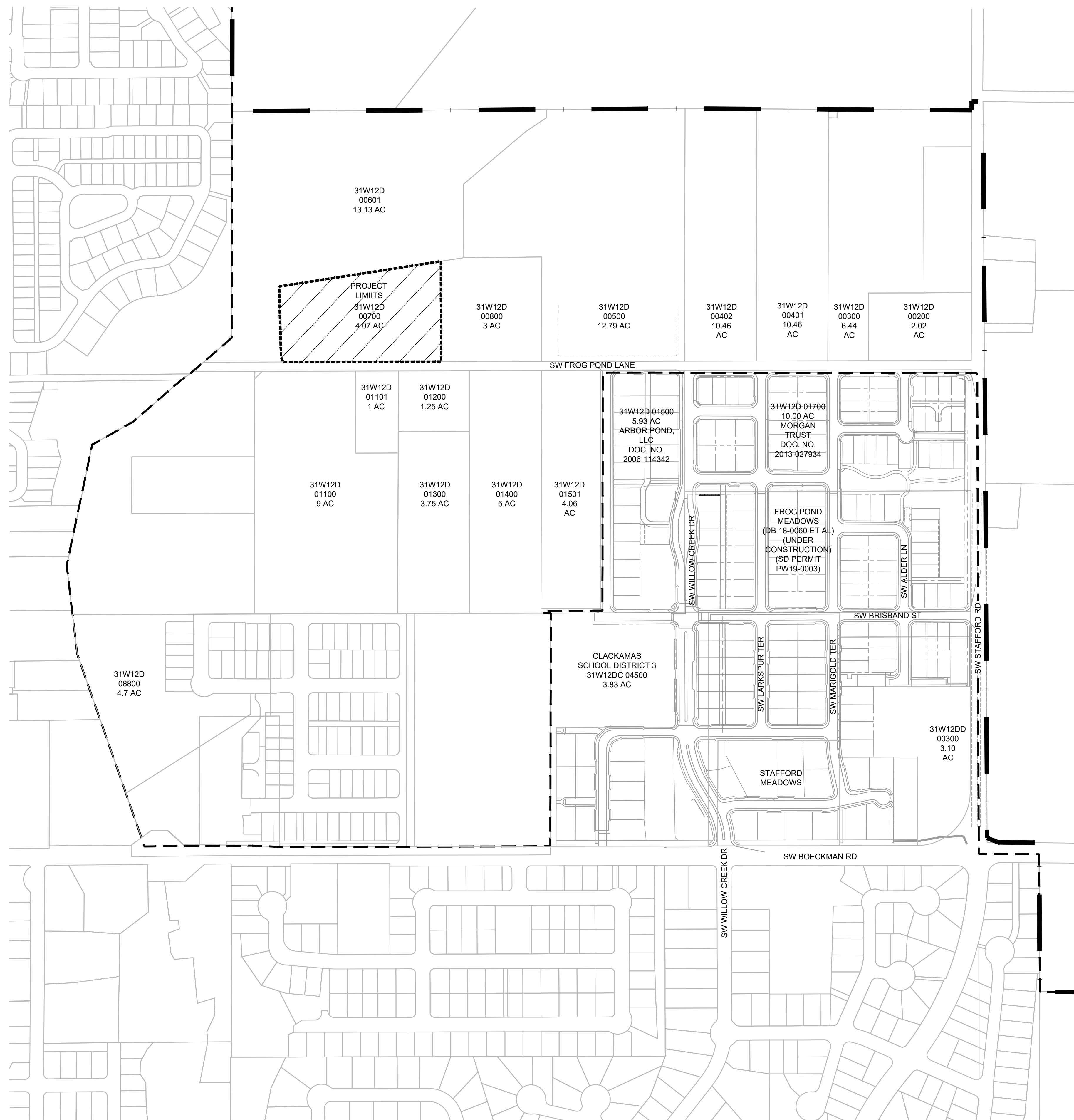


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FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

ANNEXATION PLAN



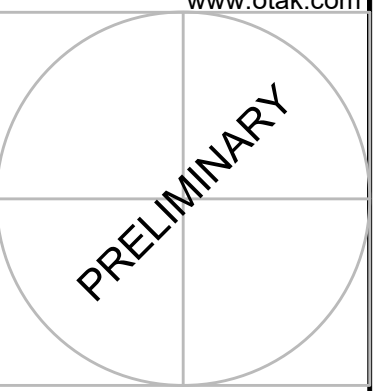
LEGEND

- PROJECT LIMITS
- EXISTING CITY LIMITS
- EXISTING URBAN GROWTH BOUNDARY
- PROPOSED AREA TO BE ANNEXED TO THE CITY OF WILSONVILLE

#	DATE	DESCRIPTION

REVISIONS	
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P6.00



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WEST HILLS
LAND DEVELOPMENT
CONSULTANT

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

ZONING MAP

TITLE

#	DATE	DESCRIPTION

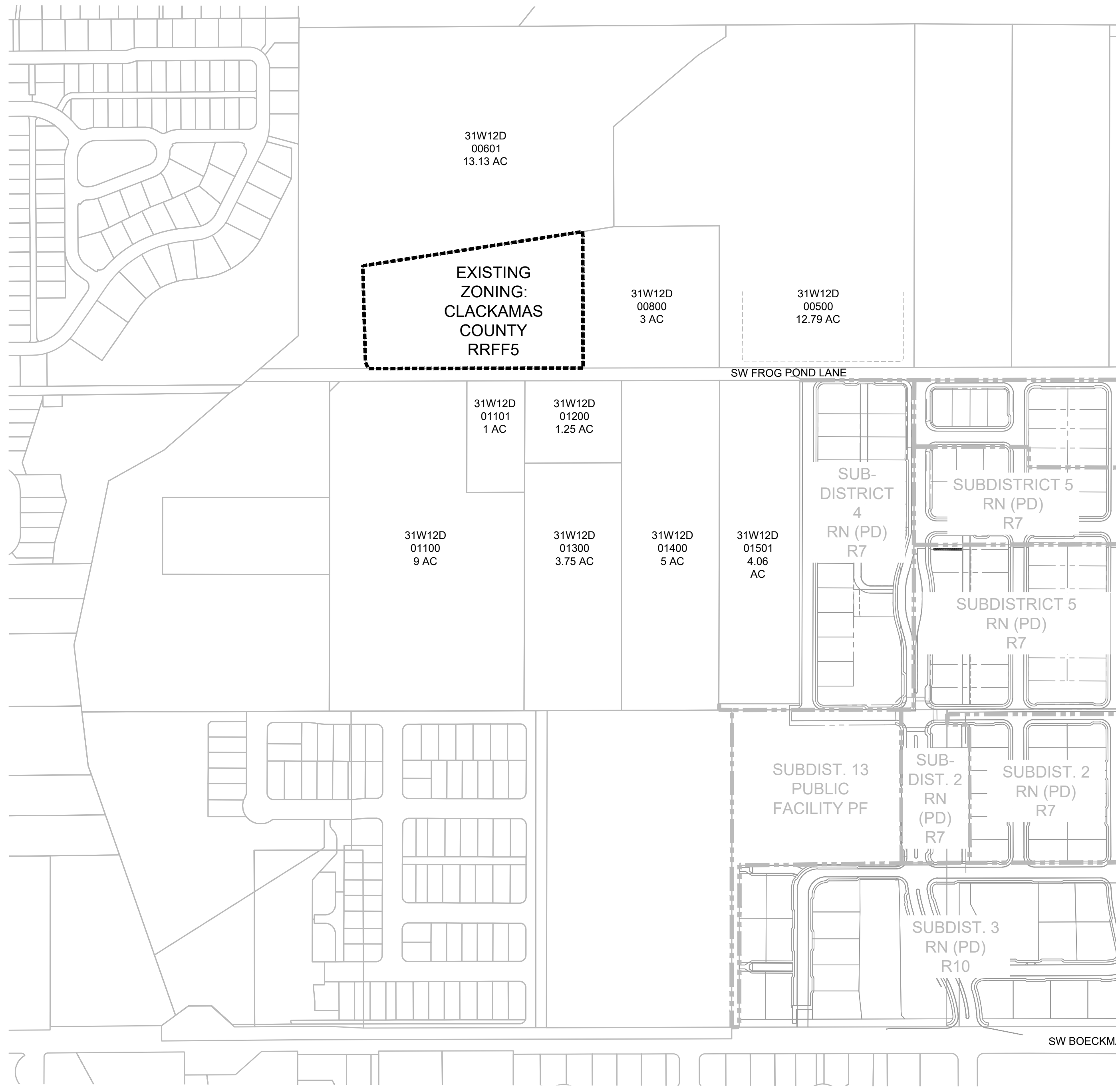
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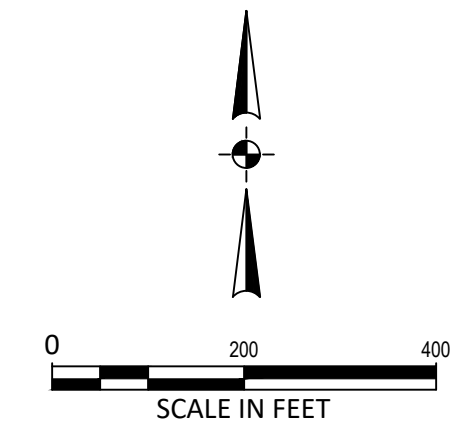
EXISTING ZONING MAP

EXISTING ZONING: CLACKAMAS COUNTY RRF5



PROPOSED ZONING MAP

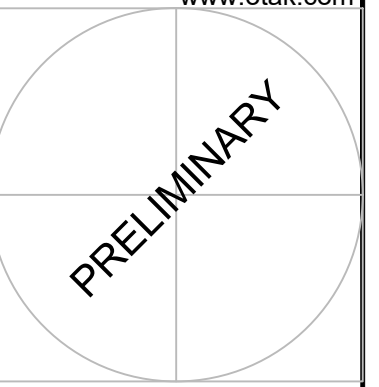
PROPOSED ZONING: CITY OF WILSONVILLE RESIDENTIAL NEIGHBORHOOD RN WITH PLANNED DEVELOPMENT PD OVERLAY



LEGEND

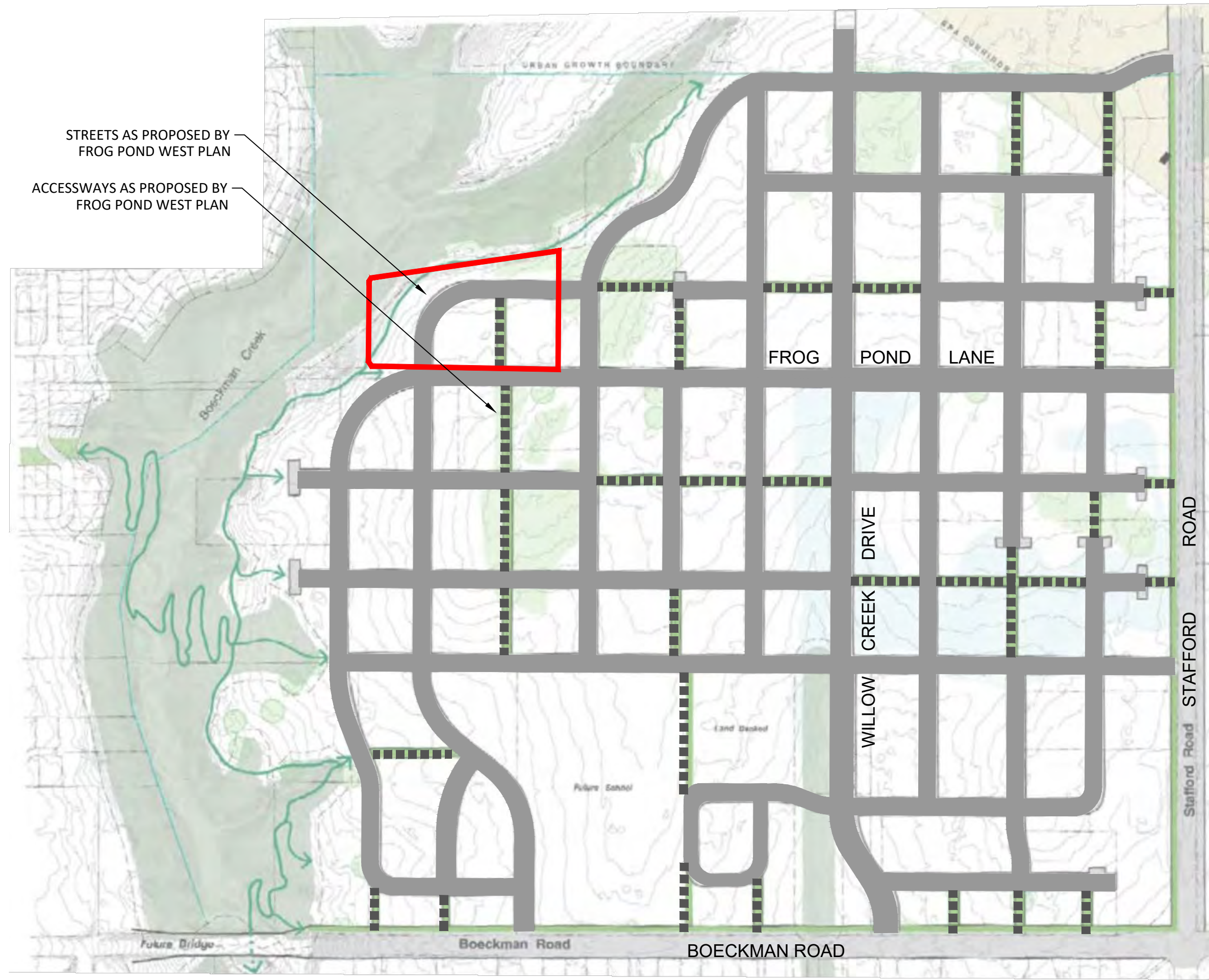
PROJECT LIMITS

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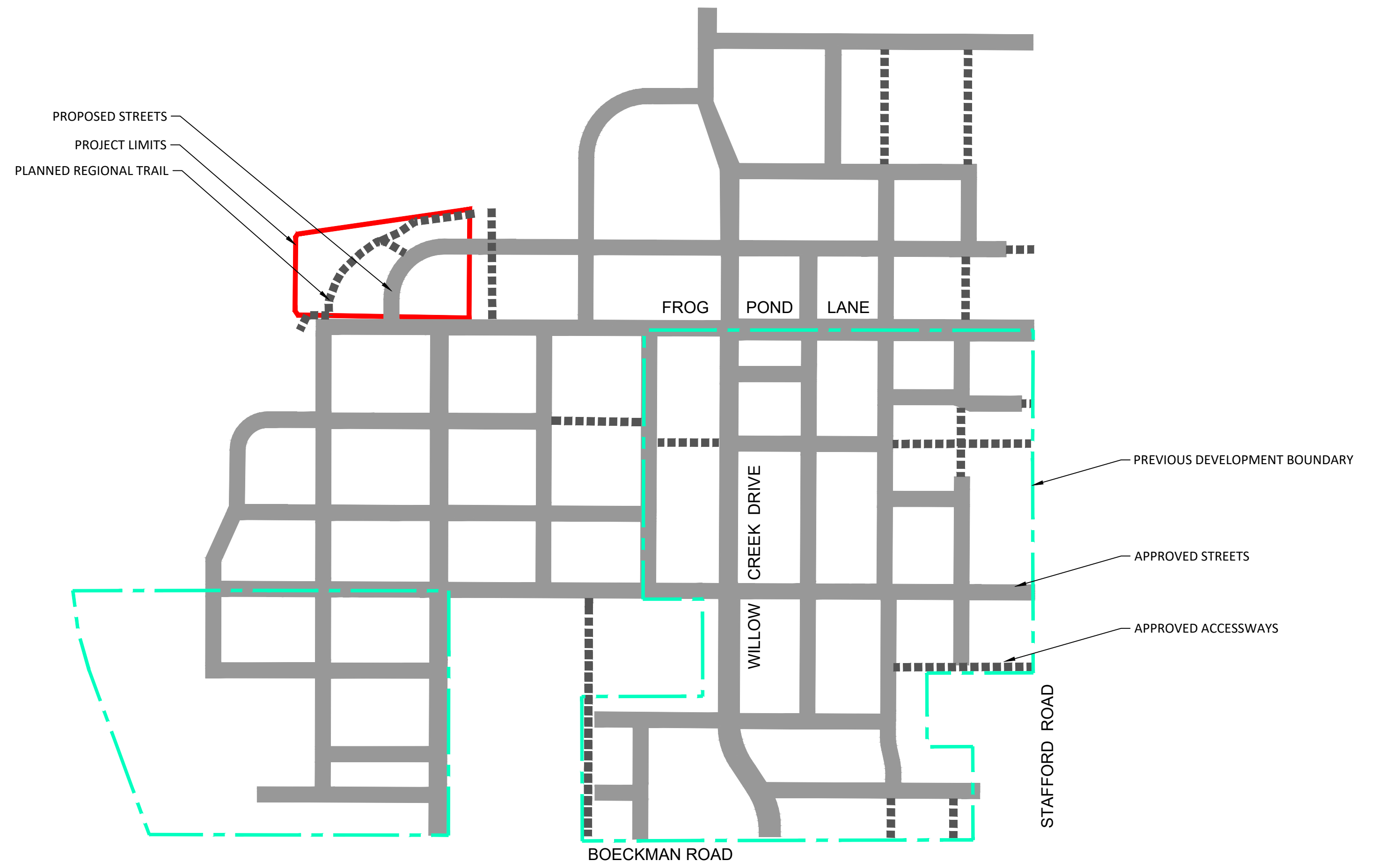


PROPOSED CIRCULATION AND CONNECTIVITY

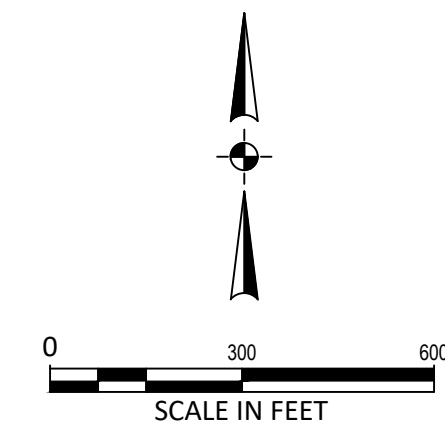
FROG POND OVERLOOK
12 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON



STREET DEMONSTRATION PLAN
PER FROG POND WEST MASTER PLAN



PROPOSED CIRCULATION AND CONNECTIVITY PLAN

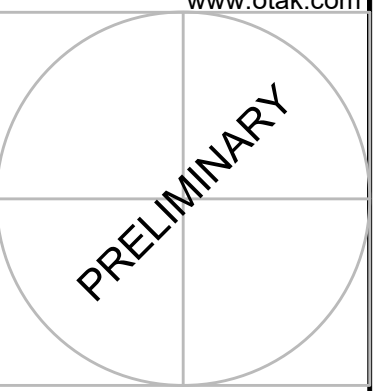


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#	DATE	DESCRIPTION

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P8.00



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LAND DEVELOPMENT
CONSULTANT

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

POSSIBLE FUTURE DEVELOPMENT

TITLE

#	DATE	DESCRIPTION

REVISIONS

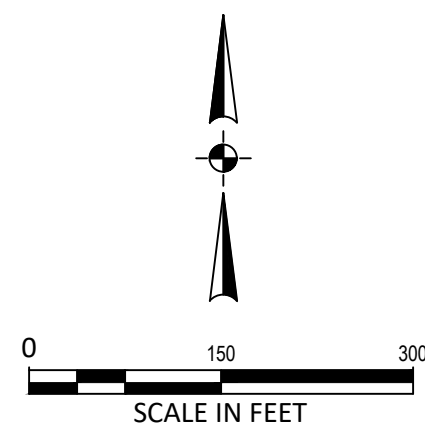
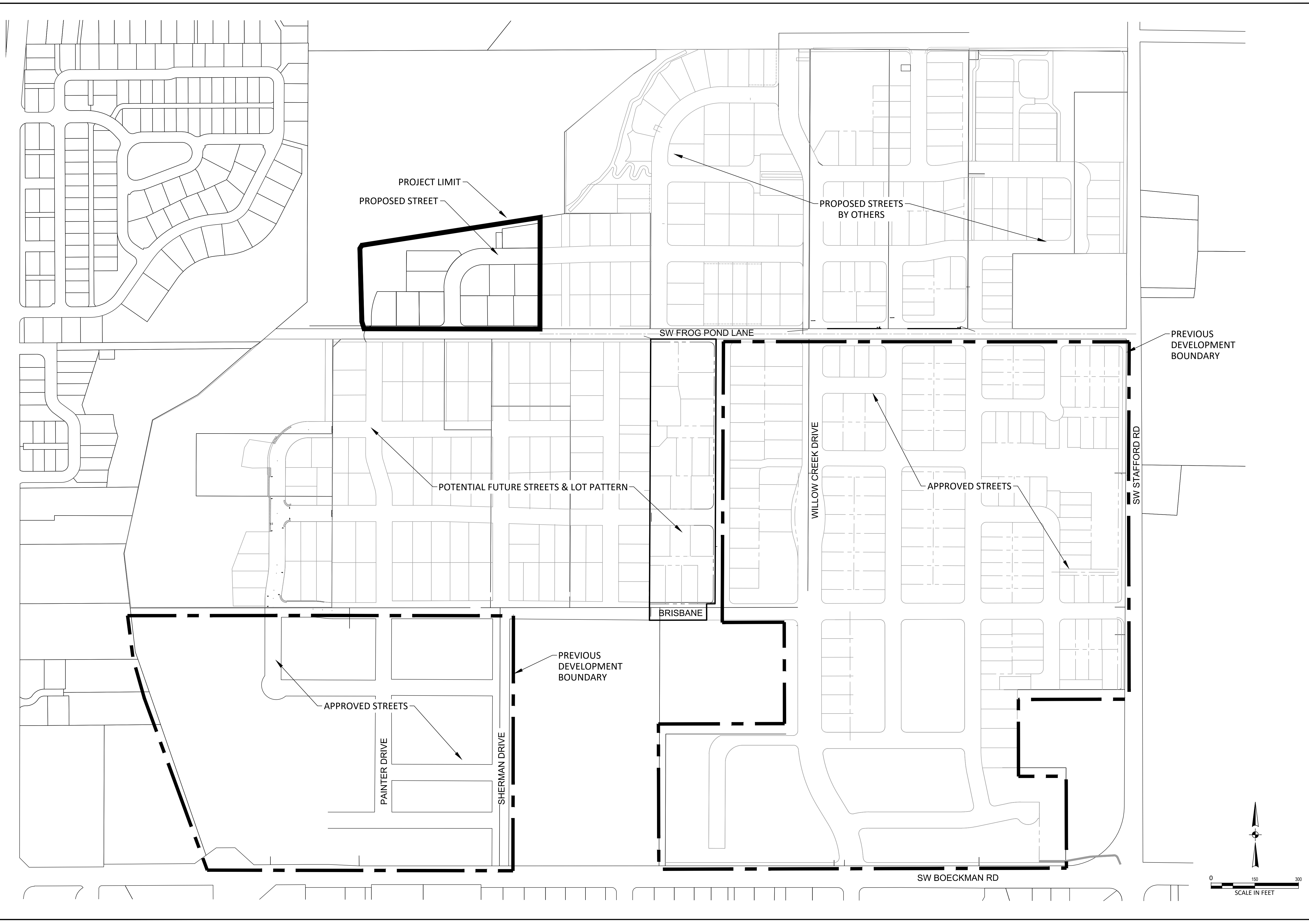
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STATUS	
MAY 23, 2022	
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20015	
PROJECT NUMBER	

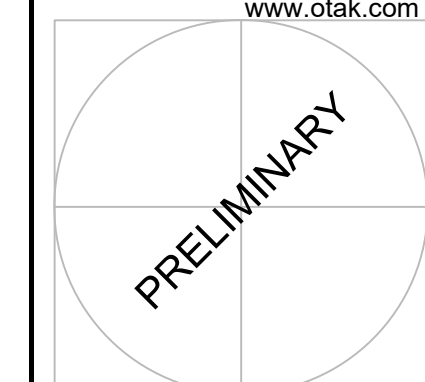
P9.00

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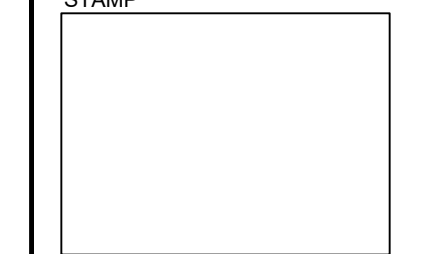
If this drawing is not 22" x 34", it has been reduced/enlarged. Scale accordingly.

Plotted: May 23, 2022, 1:38pm, Mike Havens, L:\Projects\20000\20015\CADD\CAD\DrawlEroc_Pond - Overlook\20015P900.dwg, Layout Name: P9.00

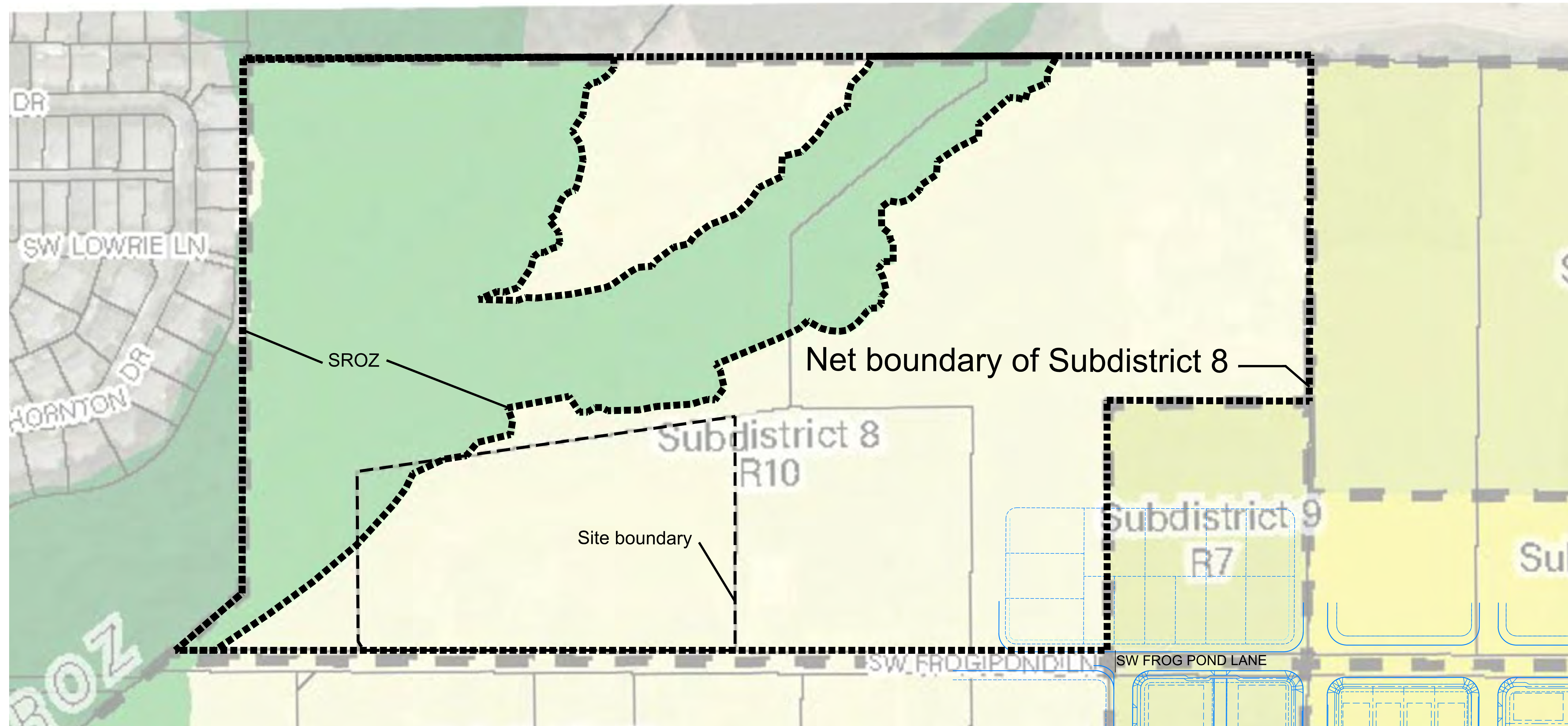




STAMP

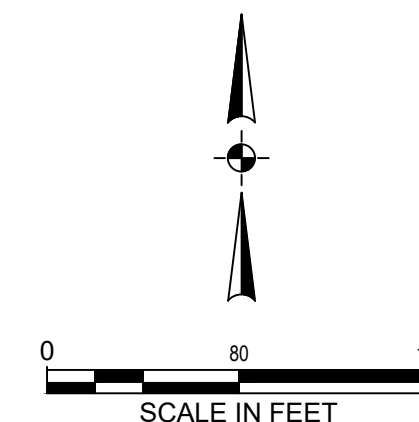


CONSULTANT



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

SUB-DISTRICTS AND DENSITY



Frog Pond Overlook
Density Calculations

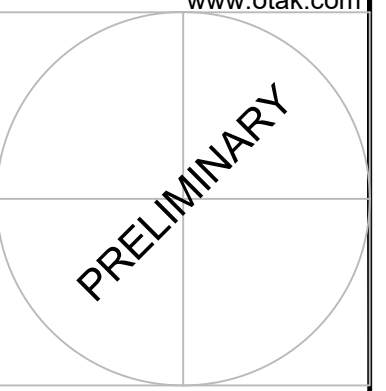
	Net subdistrict area (sf)	Net subdistrict area (ac)	Proposed Net Site Area (sf)	Proposed Net Site Area (ac)	Net site area as a % of net subdistrict area	Minimum units allowed in Subdistrict	Maximum units allowed in Subdistrict	Minimum units allowed on site	Maximum units allowed on site	Proposed lots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

TITLE	#	DATE	DESCRIPTION

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

P10.00

Plotted: May 23, 2022, 1:42pm, Mike Havens, L:\Projects\20000\20015\CADD\CAD\Drawl\Drawl - Overview\20015P1000.dwg, Layout Name: P10.00



CONSULTANT

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

SIGHT LINES TO BOECKMAN CREEK CORRIDOR

#	DATE	DESCRIPTION

REVISIONS

NAVDB8
DATUM

OTAK CAD KJB
DRAWN BY CHECKED BY

LAND USE SUBMITTAL
STATUS

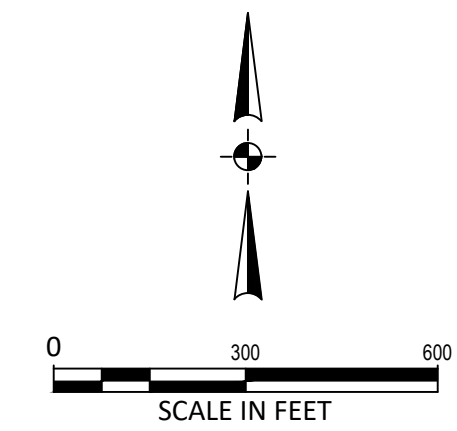
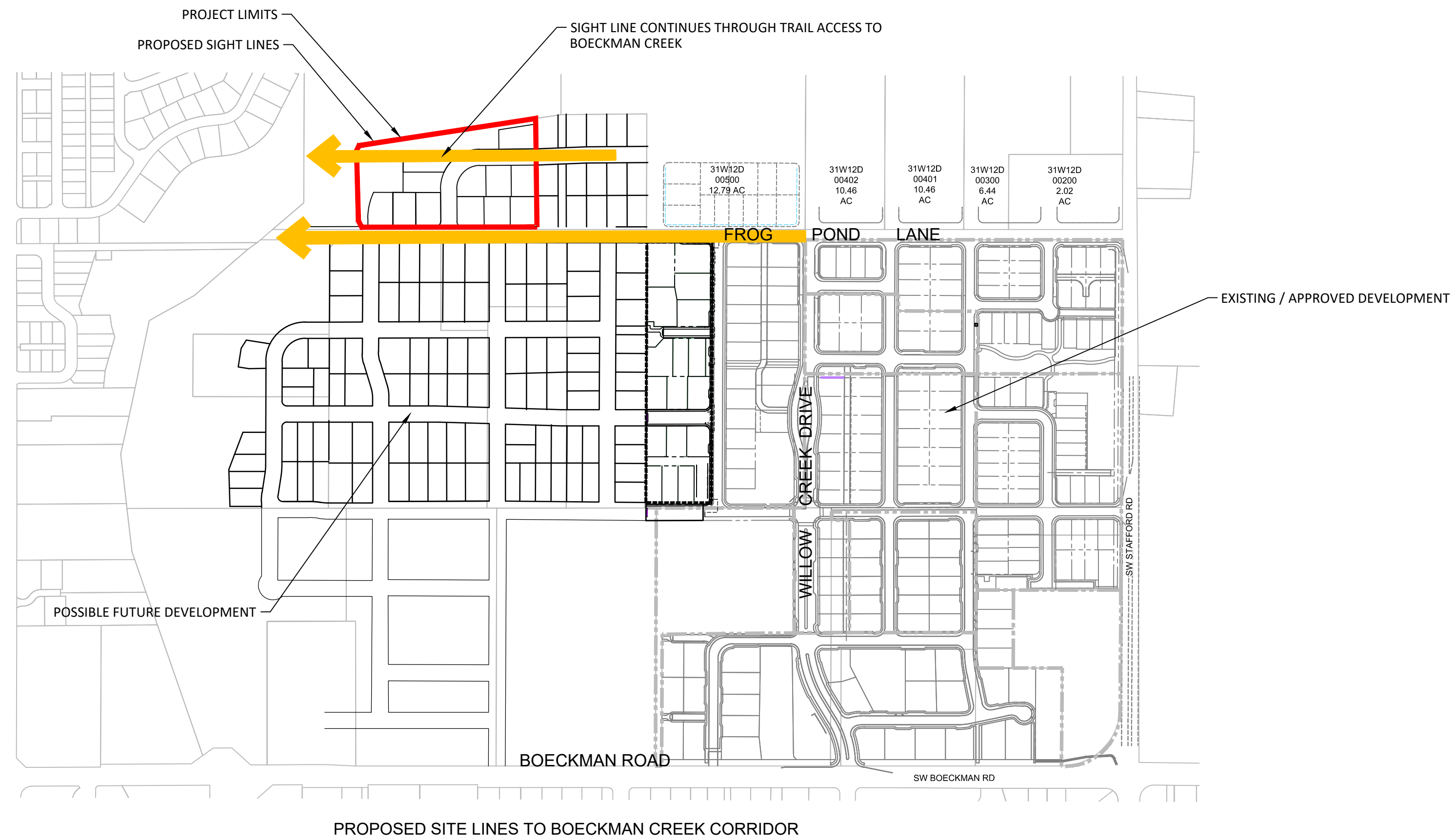
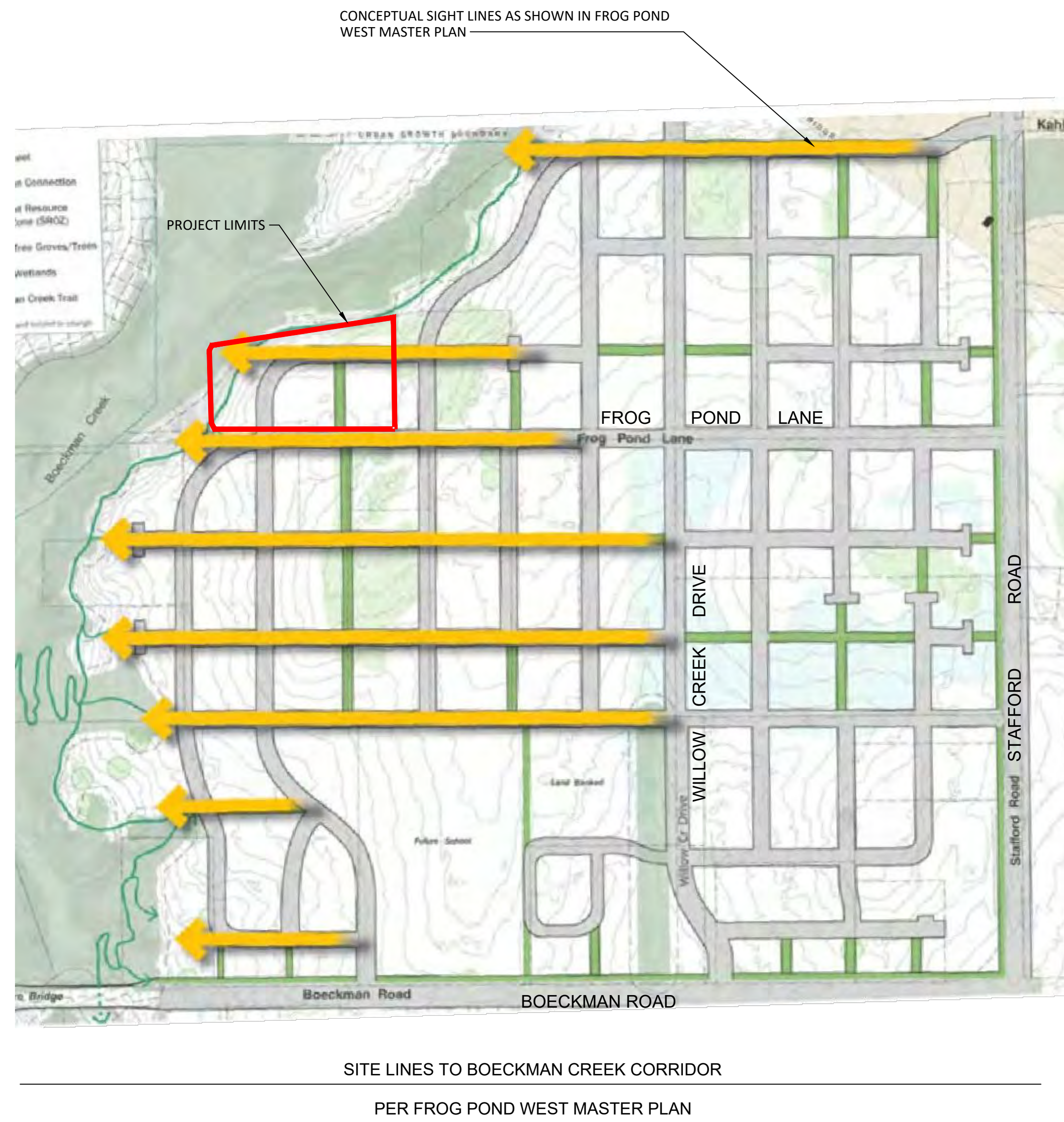
MAY 23, 2022
DATE

20015
PROJECT NUMBER

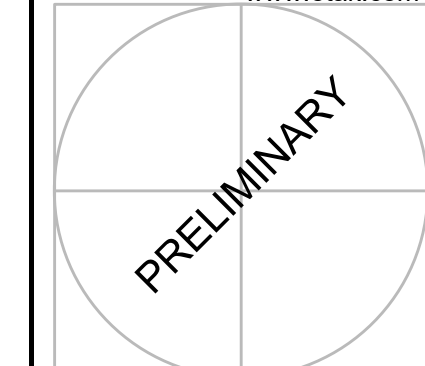
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TREE PLAN LEGEND

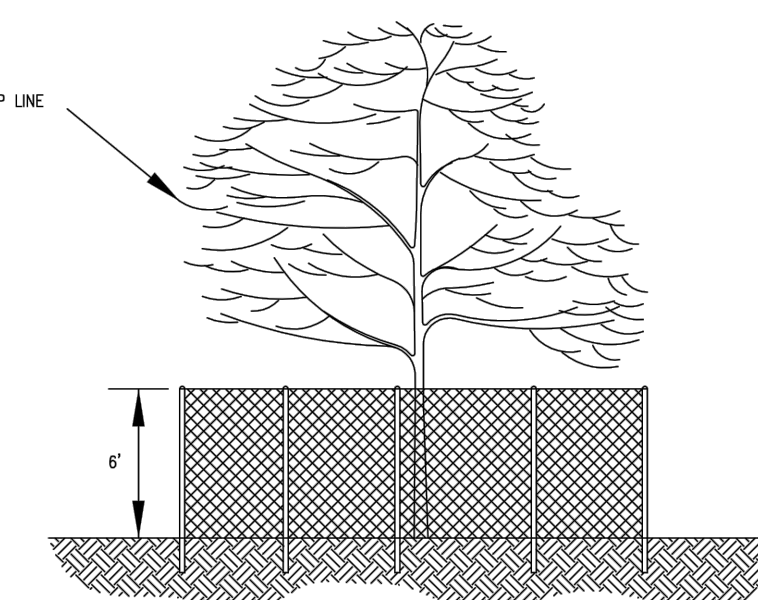
SYMBOL	QTY	DESCRIPTION
	107	EXISTING TREES TO BE REMOVED
	43	EXISTING TREES TO REMAIN
	4	EXISTING OFF-SITE TREES TO BE PROTECTED
	607 LF	TREE PROTECTION FENCING
		TREE PROTECTION FENCING

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

NOTES:

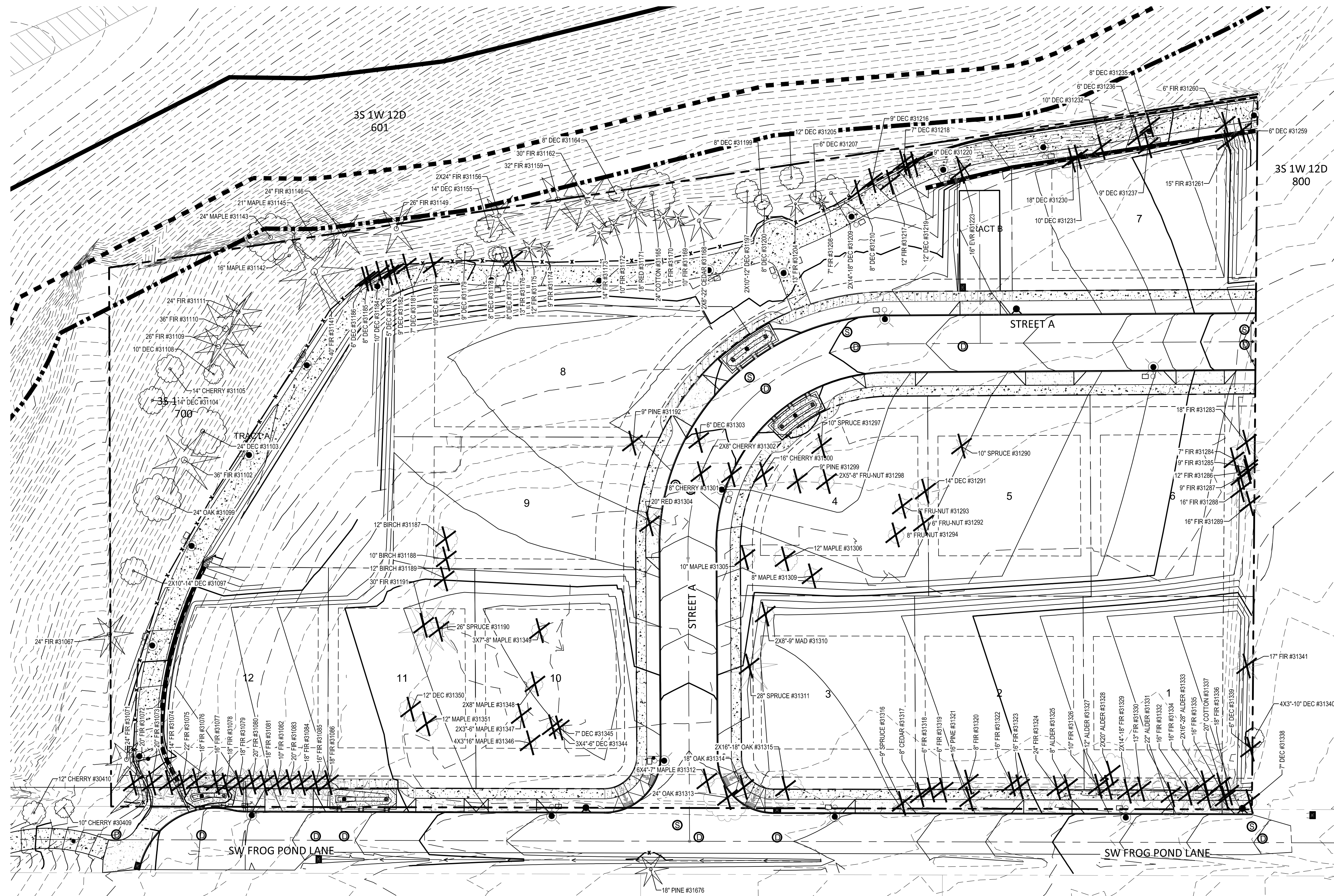
1. CONTOURS ARE SHOWN FOR ROUGH FINISH GRADE DESIGN ONLY. SEE CIVIL PLANS FOR DETAILED GRADING.
2. MITIGATION:
107 TREES REMOVED.
48 TREES PROPOSED (27 STREET TREES AND 21 TREES IN TRACT A).
PAY INTO TREE FUND FOR 59 TREES.

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 OR REMOVAL OF FENCE REQUIRES APPROVAL BY CITY'S AUTHORIZED REPRESENTATIVE.

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



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

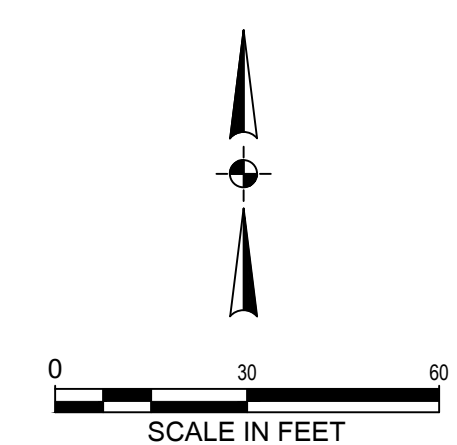
TREE PROTECTION PLAN

TITLE	#	DATE	DESCRIPTION

REVISIONS

NAVD88	
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DRAWN BY	CHECKED BY
LAND USE SUBMITTAL	
STATUS	
MAY 23, 2022	
DATE	
20015	
PROJECT NUMBER	

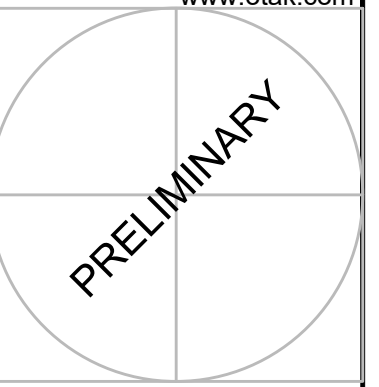
L1.00
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Plotted: Aug. 16, 2022, 5:28am, cabbriel.knuse, L:\Projects\20000\20015\CADD\CAD\Drawings\Proc - Overview\20015_L1.00.dwg, Layout Name: L1.00



Otak, Inc.
808 SW Third Avenue, Ste. 800
Portland, OR 97204
503.287.6825
www.otak.com



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

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

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

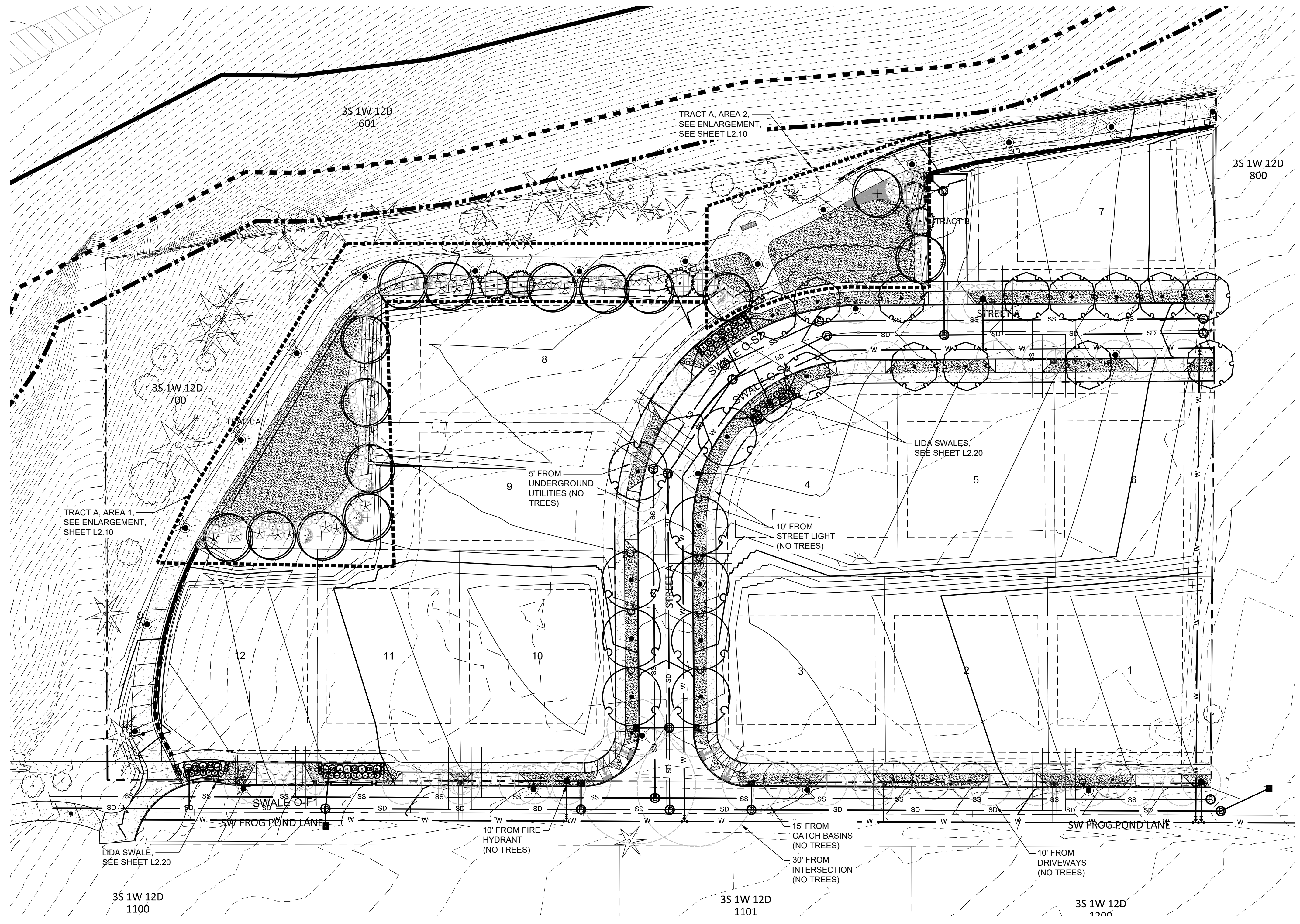
Tag	Species	DBH	Dripline	Rating	Health & Structure	RPZ	Action
31208	Douglas-fir	7"	6	2	assymetric crown		Protect
31209	Scouler willow	2X14"-18"	16	2	the 14" stem is a cottonwood, the 14" stem is Scouler willow		Protect
31210	red alder	8"	12	2	assymetric crown		Remove
31216	red alder	9"	8	2	assymetric 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

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

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 branches		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 branches		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	fungai infection in crown		Remove
31340	Lombardy poplar	4X3"-10"	8	1	fungai infection in crown - Offsite		Protect

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

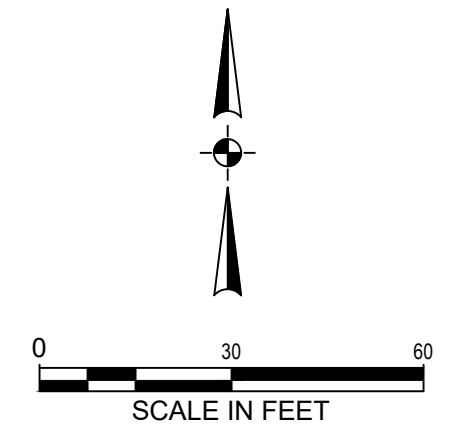
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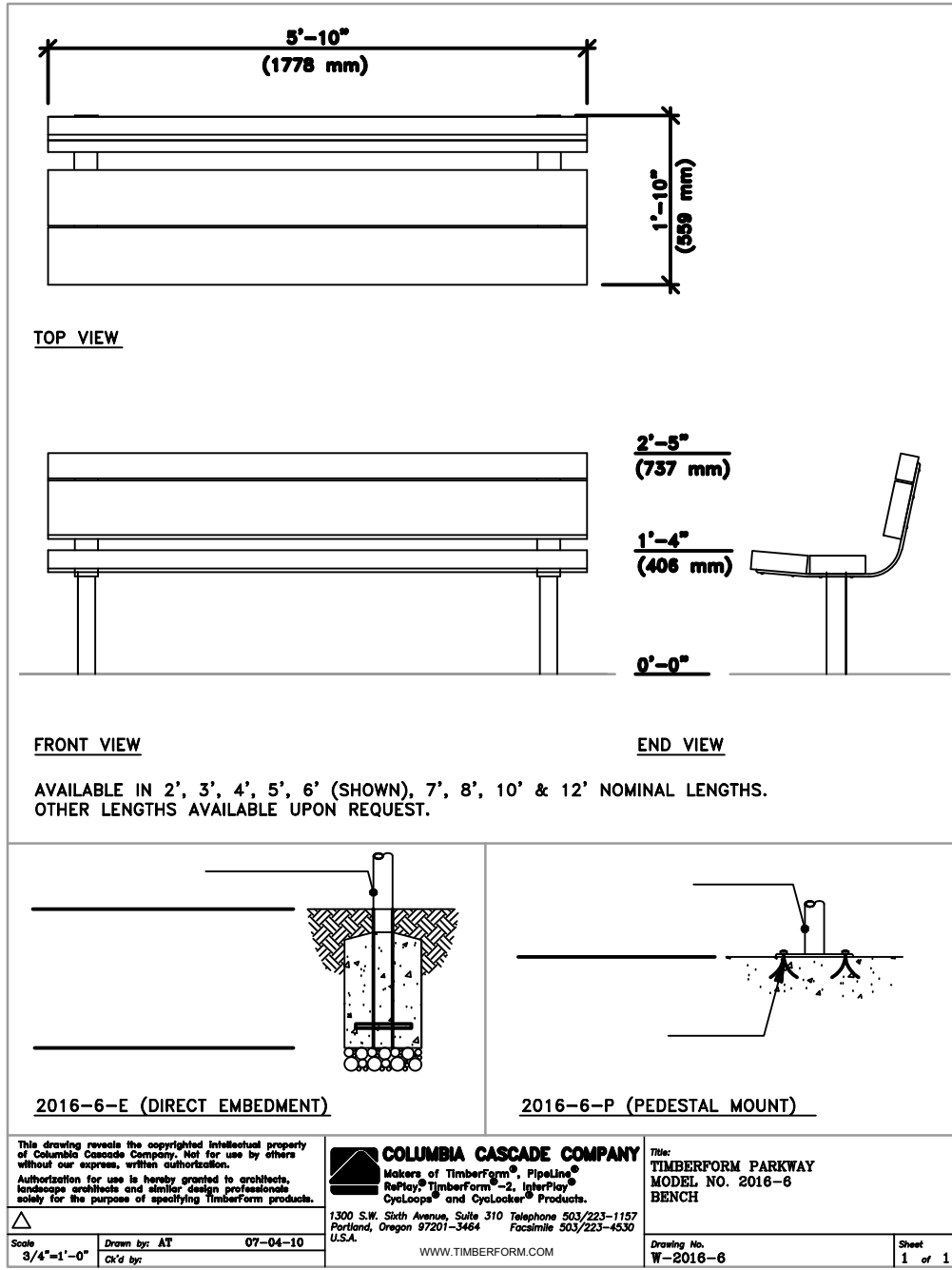
STREET TREE PLAN
SCALE: 1" = 50'-0"

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		



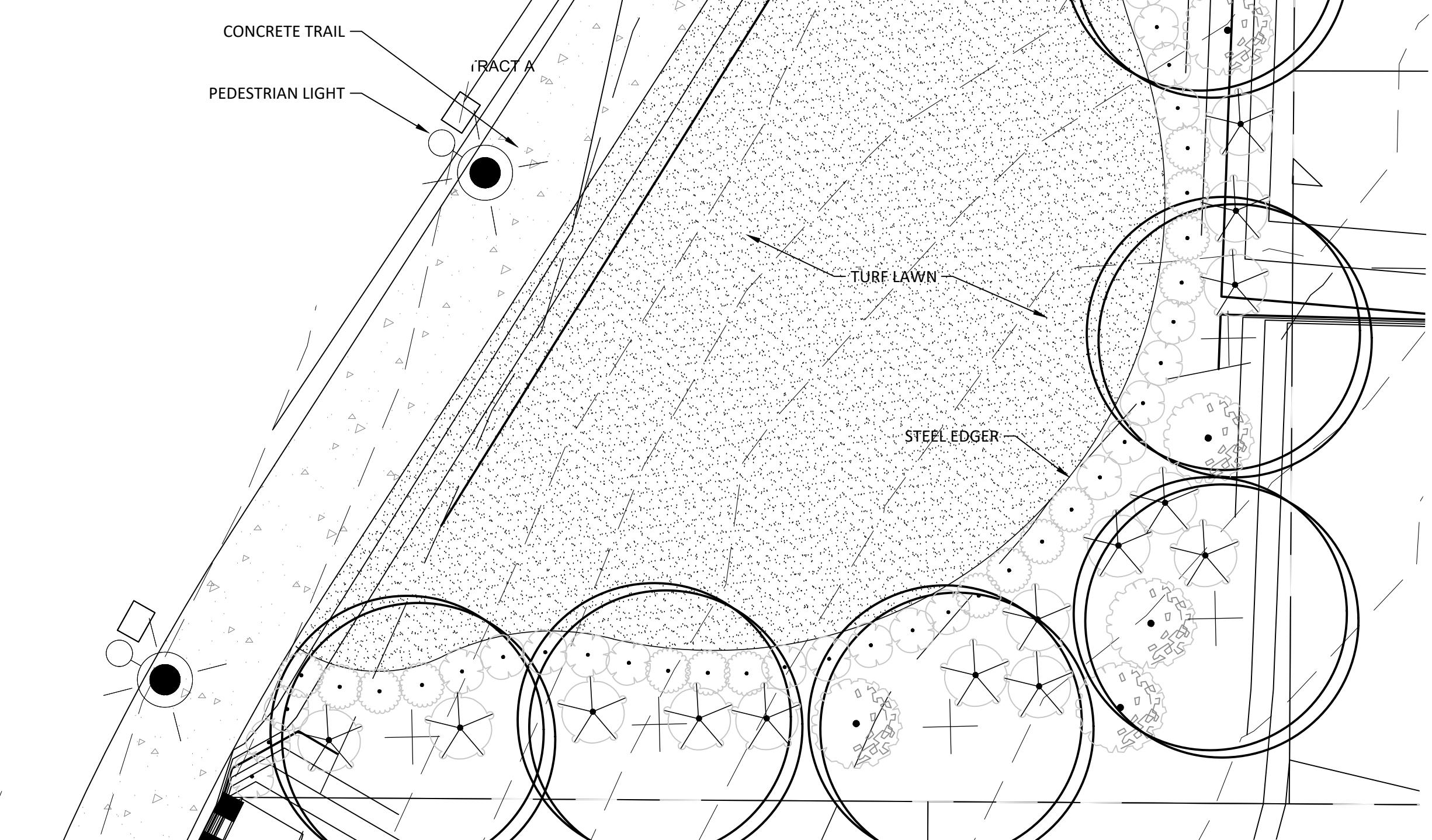
Plotted: May 23, 2022 - 10:49am - gabriel.knuse - L:\Projects\2000020015\GADD\ACADD\Frog Pond - Overview\20015\20015L2.00.dwg - Layout Name: L2.00



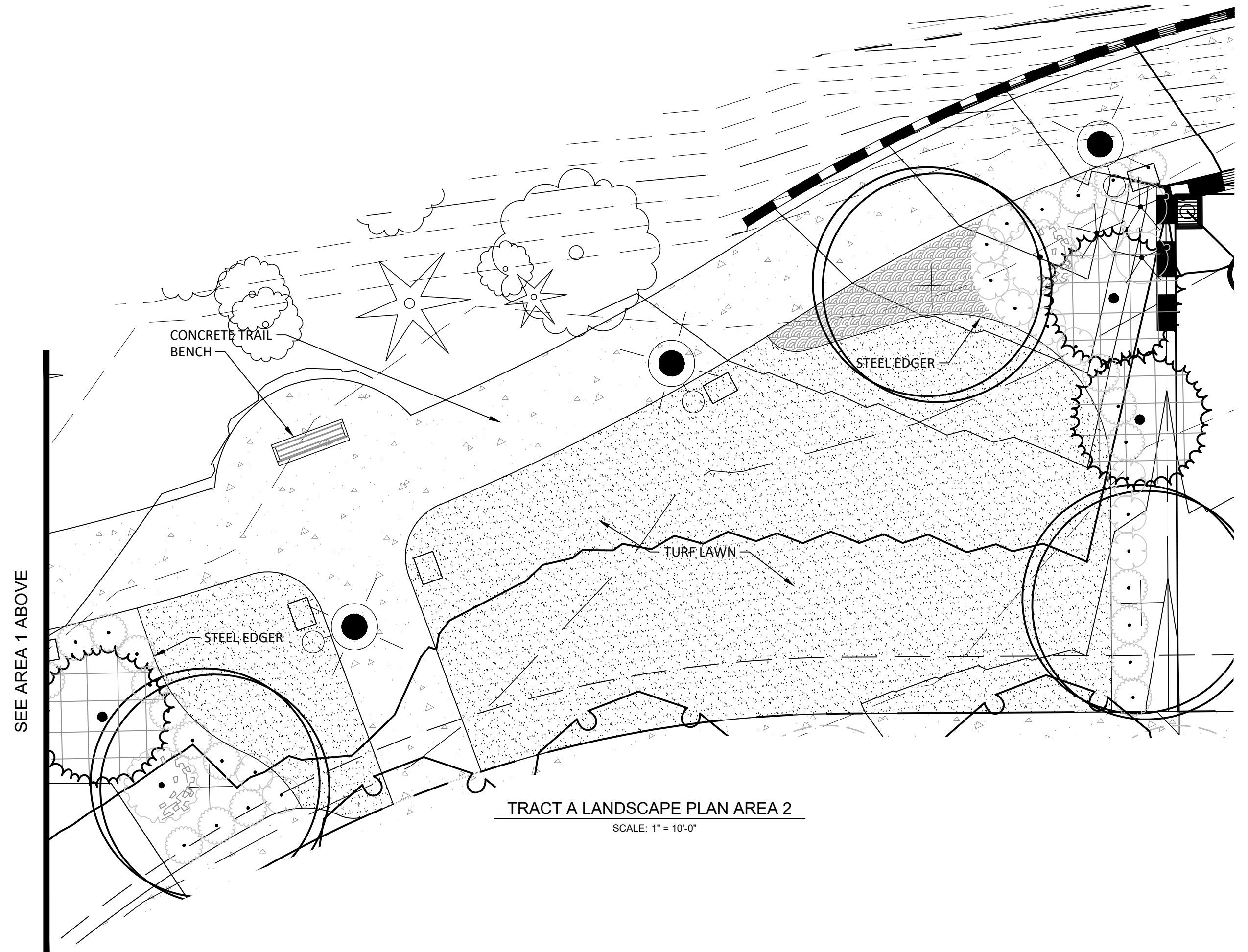
BENCH
SCALE: NTS

AVAILABLE IN 2', 3', 4', 5', 6' (SHOWN), 7', 8', 10' & 12' NOMINAL LENGTHS. OTHER LENGTHS AVAILABLE UPON REQUEST.

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Phone: 503-253-4400 Fax: 503-253-4400
www.timberform.com



TRACT A LANDSCAPE PLAN AREA 1
SCALE: 1" = 10'-0"

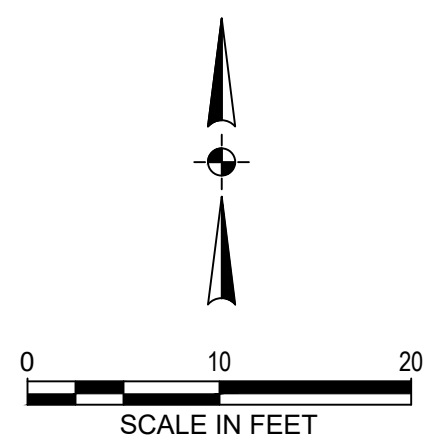


TRACT A LANDSCAPE PLAN AREA 2
SCALE: 1" = 10'-0"

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

TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL
	15	ACER RUBRUM 'BOWHALL' / BOWHALL MAPLE	B&B	2" CAL
	6	PICEA PUNGENS / COLORADO SPRUCE	B&B	6'-8' HT.
SHRUBS	QTY	BOTANICAL / COMMON NAME	CONT	
	40	CEANOTHUS VELUTINUS / SNOWBRUSH	3 GAL	
	39	MAHONIA AQUIFOLIUM / OREGON GRAPE	3 GAL	
	13	RHODODENDRON MACROPHYLLUM / PACIFIC RHODODENDRON	5 GAL	
	47	VACCINIUM OVATUM / EVERGREEN HUCKLEBERRY	3 GAL	

GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT
	133	ARCTOSTAPHYLOS UVA-URSI / KINNIKINNICK	4" POT
	7,209 SF	TURF SEED DIAMOND GREEN - SUNMARK SEEDS / EXTREME LOW MAINTENANCE TURF	SEED



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REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
872
GABRIEL W. KRUSE
08/27/2015
OREGON
EXPIRES: 9/30/2022

STAMP
W
WEST HILLS
LAND DEVELOPMENT
CONSULTANT

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

TRACT LANDSCAPE PLAN

TITLE	#	DATE	DESCRIPTION

REVISIONS

NAVDB8
DATUM

OTAK CAD KJB
DRAWN BY CHECKED BY

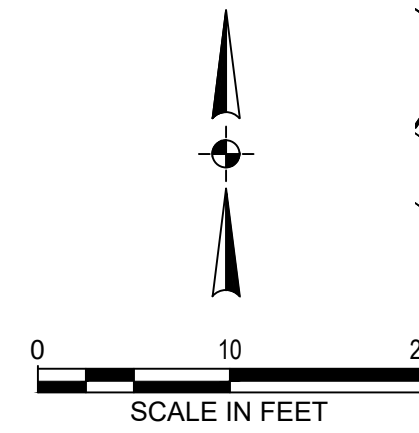
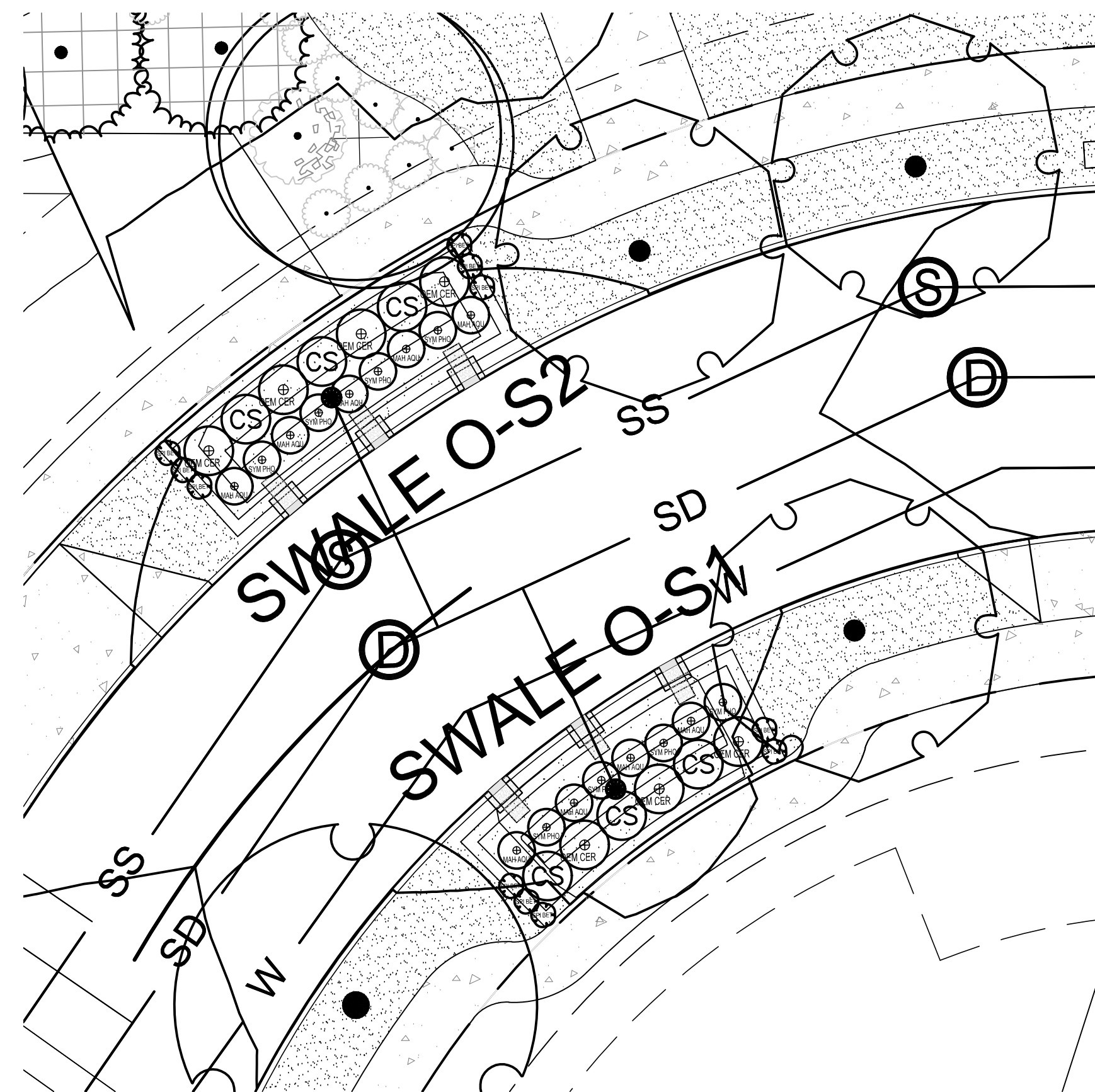
LAND USE SUBMITTAL
STATUS

MAY 23, 2022
DATE

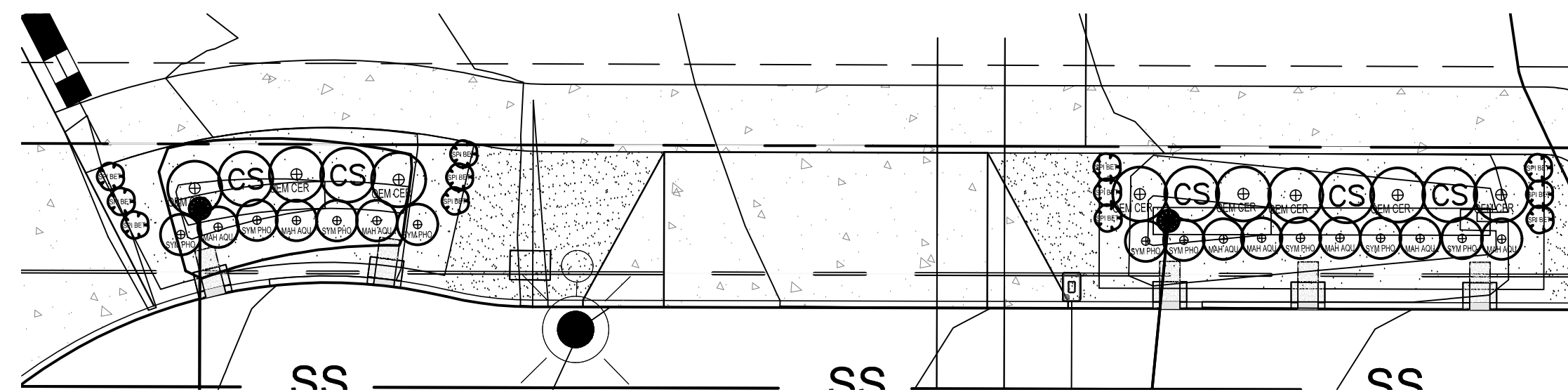
20015
PROJECT NUMBER

L2.10
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Plotted: May 23, 2022 - 10:19am - gabriel.kruse... L:\Projects\20015\5\CAD\DWG\Frog Pond - Overview\20015\5\CADD\DWG\Frog Pond - Overview\20015\5\200.dwg - Layout Name: L2.10



SWALES O-S1 AND O-S2
SCALE: 1" = 10'-0"

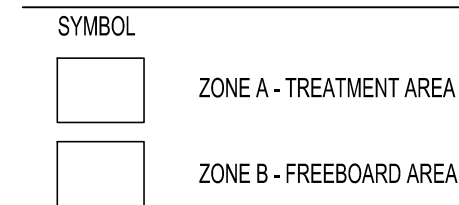


SWALE O-F1
SCALE: 1" = 10'-0"

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

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

SWALE AREA KEY



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									
		HERBACEOUS = TREATMENT AREA/2					GROUNDCOVER = TREATMENT AREA/2		SHRUBS		GROUND COVER					
		TREATMENT AREA	REQUIRED HERBACEOUS 1.15 per 100sf	Carex testacea	Juncus patens	Juncus ensifolius	Scirpus microcarpus	PROVIDED HERBACEOUS	REQUIRED GROUNDCOVER 1.15 per 100sf	Fragaria chiloensis	REQ'D SMALL SHRUBS (4/100 SF)	REQ'D LARGE SHRUBS (3/100 SF)	AREA	REQ'D SMALL (8/100 SF)	Arctostaphylos uva-ursi (1115/100 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).

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

LIDA SWALE PLANTING PLANS

TITLE		
#	DATE	DESCRIPTION

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

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

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.

DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMES, 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 EVER POSSIBLE.

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

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			CITY OF WILSONVILLE PUBLIC WORKS STANDARDS
DRAWING NUMBER: P-5000	DRAWN BY: SJ	SCALE: N.T.S.	
FILE NAME: P-5000.dwg	APPROVED BY: SA	DATE: 3/22/06	

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.

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 CABLE TWIST WIRE TO TIGHTEN.
240 x 40 MM (1.5 x 1.5 IN.) HARDWOOD STAKES OR OTHER APPROVED STAKE MATERIAL.

ALL STAKES SHALL BE DRIVEN OUTSIDE THE EDGE OF THE ROOT BALL.

ASSURE THAT THE BEARING SURFACE OF THE PROTECTIVE COVERING OF THE WIRE OR CABLE AGAINST THE TREE TRUNK IS A 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.

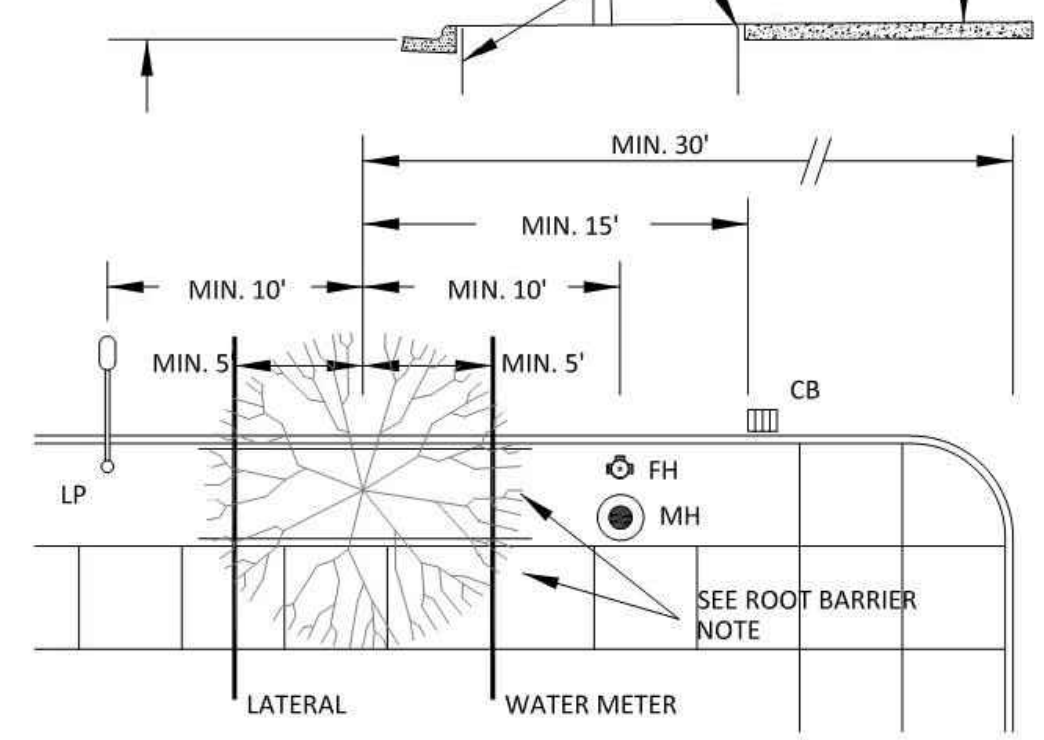
TREES NORMALLY DO NOT NEED TO BE STAKED AND STAKING CAN BE HARMFUL TO THE TREE. STAKING SHOULD BE DONE ONLY WITH THE APPROVAL OF THE CITY IF IT IS EXPECTED THAT THE TREE WILL NOT BE ABLE TO SUPPORT ITSELF. THE FOLLOWING ARE REASONS WHY TREES DO NOT REMAIN STRAIGHT:
o TREES WITH POOR - QUALITY ROOT BALLS 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			CITY OF WILSONVILLE PUBLIC WORKS STANDARDS
DRAWING NUMBER: P-5005	DRAWN BY: SJ	SCALE: N.T.S.	
FILE NAME: P-5005.dwg	APPROVED BY: SA	DATE: 03/22/06	

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15.0' MINIMUM (OR PER AASHTO STANDARDS WHICHEVER IS GREATER) VERTICAL CLEARANCE MEASURED FROM DESIGN SURFACE ELEVATION (MEASURED FROM ALL POINTS BETWEEN CURB FACES).

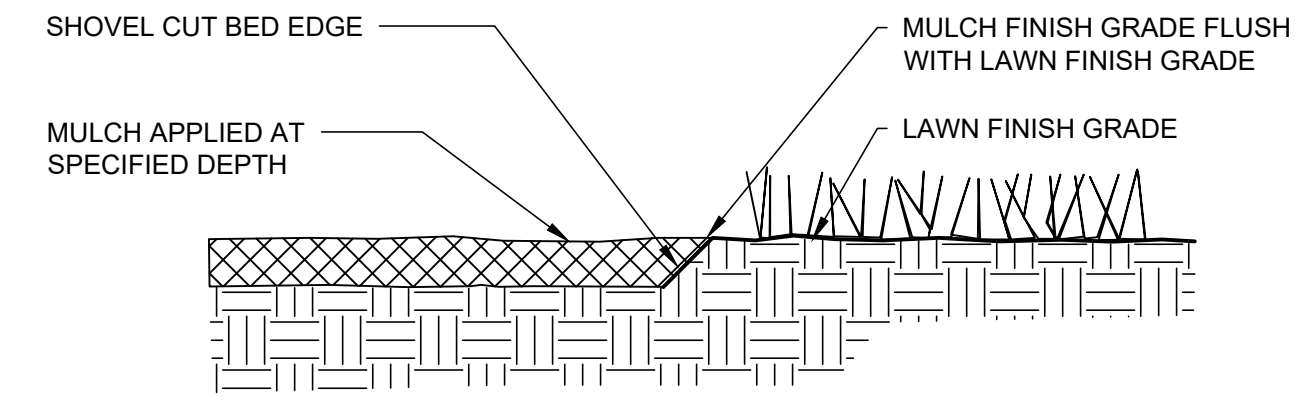


- NOTES:
- 5' MINIMUM CLEARANCE FROM UNDERGROUND UTILITIES AND LATERALS. LANDSCAPE DESIGN OF TREES AND ENGINEERING DESIGN OF UNDERGROUND SERVICES SHALL BE COORDINATED.
 - TREES SHALL BE CENTERED BETWEEN CURB AND SIDEWALK.
 - CITY APPROVED ROOT BARRIER METHOD TO BE USED FOR ALL STREET TREES LOCATED WITHIN 8 FEET OF ALL CURBS AND SIDEWALKS. ROOT BARRIER SHALL EXTEND TO A DISTANCE OF 20' CENTERED WITH THE TREE BASE. BARRIER SHALL BE 2'-4" FROM CURB OR SIDEWALK AND EXTEND A MINIMUM OF 24" IN DEPTH.
 - WHEN TREES ARE WITHIN TREE WELLS, ROOT BARRIER SHALL BE PLACED ON ALL SIDES.
 - PARALLEL PARKING: LOCATE TREE BETWEEN ON-STREET PARKING SPACES. THIS LOCATION PRECLUDES DOORS OPENING ONTO TREES AND PASSENGERS EXITING IN CONFLICT WITH TREE PLACEMENT. DIAGONAL PARKING: LOCATE TREE MINIMUM 3' AWAY FROM LEFT STALL LINE TOWARD THE CENTER OF THE PARKING SPACE. THIS LOCATION ATTEMPTS TO AVOID THE FRONT END OF THE PARKED CAR OVERHANGING THE CURB.

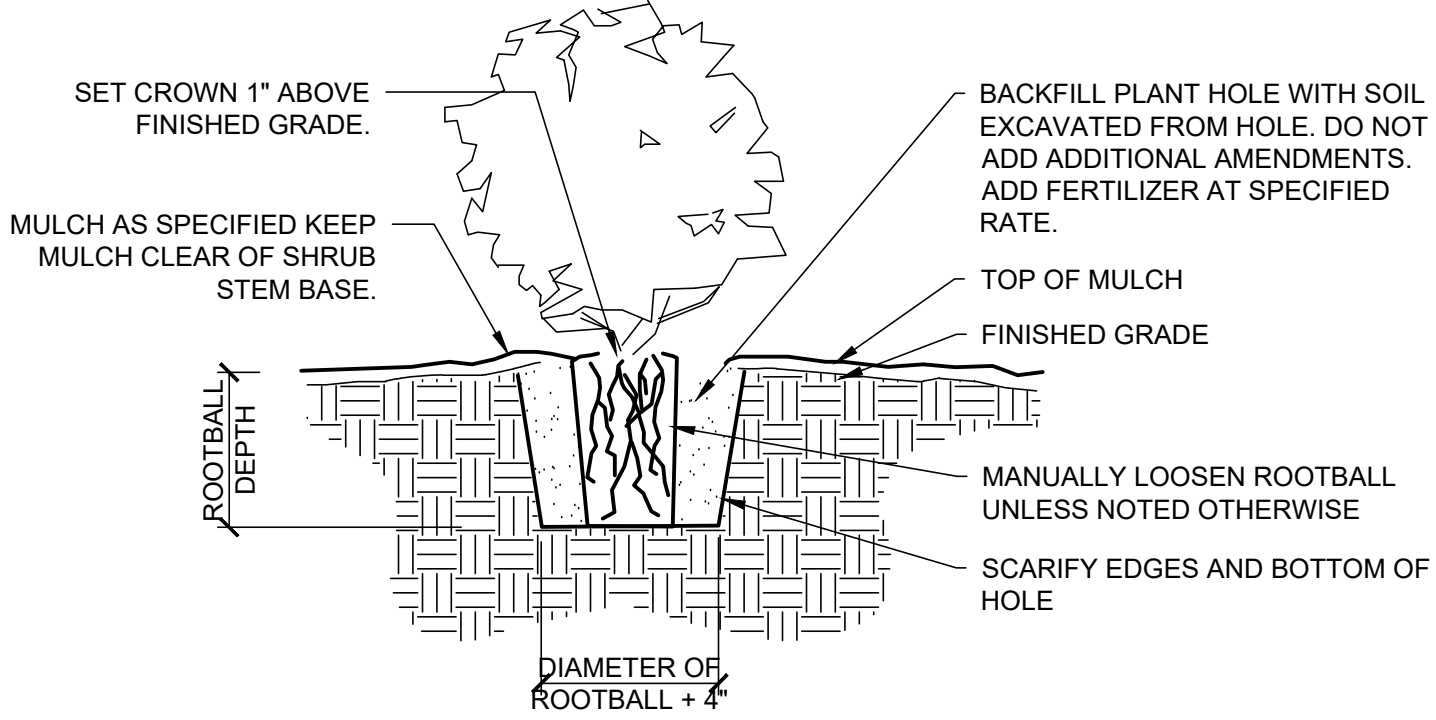
Street Tree Location and Clearances			CITY OF WILSONVILLE PUBLIC WORKS STANDARDS
DRAWING NUMBER: RD-1240	DRAWN BY: SR	SCALE: N.T.S.	
FILE NAME: RD-1240.DWG	APPROVED BY: NK	DATE: 12/31/14	

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.

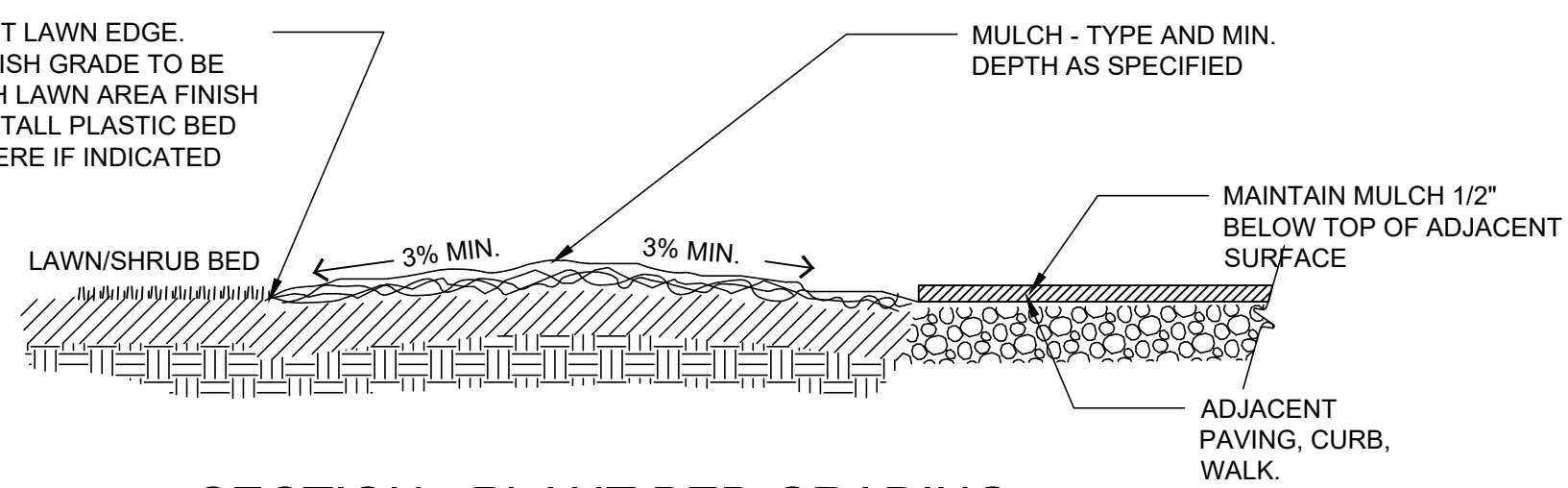
- GENERAL: SEVERAL OF THE FOLLOWING NOTES SUMMARIZE THE PROJECT SPECIFICATIONS FOR THE CONTRACTORS CONVENIENCE. IF A DISCREPANCY EXISTS BETWEEN THESE NOTES AND THE PROJECT SPECIFICATIONS THE SPECIFICATIONS SHALL OVERRIDE.
- THE LANDSCAPE CONTRACTOR IS TO THOROUGHLY REVIEW THE SITE. IF THERE ARE ANY DISCREPANCIES BETWEEN THE PLAN AND THE EXISTING CONDITIONS THE OWNERS REPRESENTATIVE IS TO BE NOTIFIED IMMEDIATELY.
- 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.
- 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.
- PROVIDE QUANTITY OF PLANT MATERIAL INDICATED IN PLANT LIST OR THE QUANTITY REQUIRED TO COVER AREAS INDICATED AT SPECIFIED SPACING, WHICHEVER IS GREATER.
- 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.
- TOPSOIL: APPLY 9-INCH IMPORT TOPSOIL TO NEW PLANTED EXCEPT:
 - 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.
 - DO NOT APPLY TOPSOIL TO RIPARIAN MITIGATION AREA IN SROZ.
- SOIL ANALYSIS: CONTRACTOR SHALL OBTAIN A COPY OF OWNER-PROVIDED SOIL TEST. AMEND AND FERTILIZE IN CONFORMANCE WITH RECOMMENDATIONS INDICATED IN THE REPORT.
- 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.
 - DO NOT APPLY COMPOST TO RIPARIAN MITIGATION AREA IN SROZ.
- 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.
- 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.
- PLANTING POCKETS: BACK FILL PLANT HOLE WITH SOIL EXCAVATED FROM HOLE. DO NOT ADD ADDITIONAL AMENDMENTS.
- ROOT BARRIER: INSTALL PER CITY OF WILSONVILLE DETAIL RD-1240. SEE SHEET L3.0.
- PLANT MATERIAL: ALL PLANT MATERIAL SHALL MEET MINIMUM QUALITY AND SIZE REQUIREMENTS ESTABLISHED IN THE AMERICAN STANDARD FOR NURSERY STOCK GUIDELINES.
- 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.
- 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.
- WHERE PLANT BED SLOPE IS LESS THAN 3% MOUND PLANTING BED AREAS 3% MINIMUM FOR POSITIVE DRAINAGE.
- SEE SPECIFICATIONS FOR FINAL INSPECTION, MAINTENANCE, AND WARRANTY REQUIREMENTS UNIQUE TO THIS PROJECT.
- SEE SPECIFICATIONS FOR OTHER LANDSCAPE CONSTRUCTION REQUIREMENTS.



SHOVEL CUT BED EDGE



SHRUB PLANTING DETAIL



SECTION - PLANT BED GRADING



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

LANDSCAPE NOTES AND DETAILS

TITLE		
#	DATE	DESCRIPTION
REVISIONS		
NAV088	DATUM	
OTAK CAD	KJB	DRAWN BY
	CHECKED BY	
LAND USE SUBMITTAL STATUS		
MAY 23, 2022		
DATE		
20015		
PROJECT NUMBER		

L3.00
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Plotted: May 23, 2022 - 10:20am. cabinet.knuse. L:\Projects\2000020015\5\5\CADD\Drawings\Frog Pond - Overlook\20015L3.00.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: MANUFACTURER PRODUCT CODE: PGE NUMBER:
 23' STRESSCRETE 4FT MAST ARM KMRE-A-23FT-TXT BLACK S/F KSB52 KA32-S-1-4FT-TXTBLACK/WKPL20-PR7AND HARNESS CU 1498, SU 90011694 SU 90011695

2. LIGHT POLES ALONG ALL PATHS SHALL BE:

MANUFACTURER: CATALOG NUMBER:
 NOVA NP8050D13AB

3. POLE FOOTING SHALL BE PGE APPROVED:

MANUFACTURER: CATALOG NUMBER:
 OLDCASTLE PRECAST 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: JB-1 Catalog Number:
 Newbasis (Associated Plastics) FCA173018T-00043
 Armocast A6001640TAX18-PGE
 Highline CHA173018HE1
 Quazite (Hubbell) A42173018A017
 Oldcastle 17301726

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

MANUFACTURER: MANUFACTURER PRODUCT CODE: PGE NUMBER:
 KING AURORA K829-P4FL-III-40(SSL)-8060-120-277-3K-WS-QD-TXT BLACK s/f KPL20-PR7 CU 1497, CU 11693, SU 90011693

6. WESTBROOKE LUMINAIRE FOR THE PATHWAY LIGHTING SHALL BE:

MANUFACTURER: CATALOG NUMBER:
 PHILLIPS HADCO 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: CATALOG NUMBER:
 RIPLEY RD8645
 DTL DLL 1271.5 J50
 INTERMACTIC 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

- ALL MATERIAL AND WORKMANSHIP ASSOCIATED WITH THE ROADWAY LIGHTING SHALL CONFORM TO P.G.E. OPTION "B" SPECIFICATIONS.
- ALL MATERIAL AND WORKMANSHIP ASSOCIATED WITH THE PATHWAY LIGHTING SHALL CONFORM TO P.G.E. OPTION "C" SPECIFICATIONS.
- 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.
- LOCATION OF ILLUMINATION CONDUITS AND JUNCTION BOXES ARE APPROXIMATE. CONTRACTOR SHALL COORDINATE WITH OTHER UTILITIES TO ENSURE PROPER INSTALLATION.
- 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	
		RECOMMENDED	DESIGN
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



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LAND DEVELOPMENT



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CONSULTANT

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

#	DATE	DESCRIPTION

REVISIONS

JCH ASY
DRAWN BY CHECKED BY
STATUS
PRELIMINARY
DATE
MAY 18, 2022
27474
PROJECT NUMBER

23' Decorative Aluminum Pole (Stresscrete)

DESCRIPTION

- Available Heights:**
 - 23ft (SU 90011694)
 - 4ft Mast Arm (SU 1695)
- Mast Arm**
 - Included with Pole. Mounting height as pole height.
- Mast Arm Type**
 - Single
- Footing Type**
 - Anchor Base; 20R-LB-4
 - Breakaway option see LC11540 for materials
- Pole Feed(s)**
 - Underground
- Type of Fixture to use:**
 - Pendant

KING AURORA PENDANT 40W LED

DESCRIPTION

- CU 1497, SU 90011693
- CU Description:
 - Luminaire, 40W LED, King, Wattage Selector
- Available Color: Black
- Mounting Height: 22ft
- T-2 Adapter & Harness SU 90011748. Use with non-Stresscrete Poles

OTHER INFORMATION

- 3000k, flat lens array
- Multi Volt: 120-277v
- 4440 Lumens / Type III
- Manufacturer Part Number: K829-P4FL-III-60(SSL)-8060-120-277-3K-WS-QD-TXT BLACK s/f KPL20-PR7 / DWG PGE-AURORA-2

LINKS

- Spec Sheet: S:\Materials\Materials\Approved Material Spec Sheet\King_Leotek
- S:\Visual Lighting Design\IES PHOTOMETRIC FILES\King IES\Aurora Fixtures

POLES ARE FABRICATED FROM 6063-T4 SEAMLESS ALUM. HEAT TREATED TO T6 AFTER WELDING

NOVA POLE SPECIFICATIONS

- POLE HEIGHT: 13'
- POLE MOUNT HEIGHT: 12'
- WALL THICKNESS: .250
- POLE BASE DIAMETER: 8"
- ANCHOR BASE: 8" - 1992 CAST
- BOLT CIRCLE: 11" - 12"
- ANCHOR BOLTS: N/A
- POLE TOP DIAMETER: 5"
- CRITICAL ID - OD: .50
- TENON: N/A
- HAND HOLE HT.: 24" CENTER
- TOP CAP: SPUN ALUMINUM
- ID TAG LOCATE: 8" ABOVE HH
- BASE COVER: HENDERSON 2 PC
- FINISH: POWDER COATED BLACK

8"-1992 CAST BASE

- 180°
- 11"-12" B.C.D.
- 270°
- 90° (BRACKET)
- HAND HOLE 0"

NOVA POLE APPROVAL

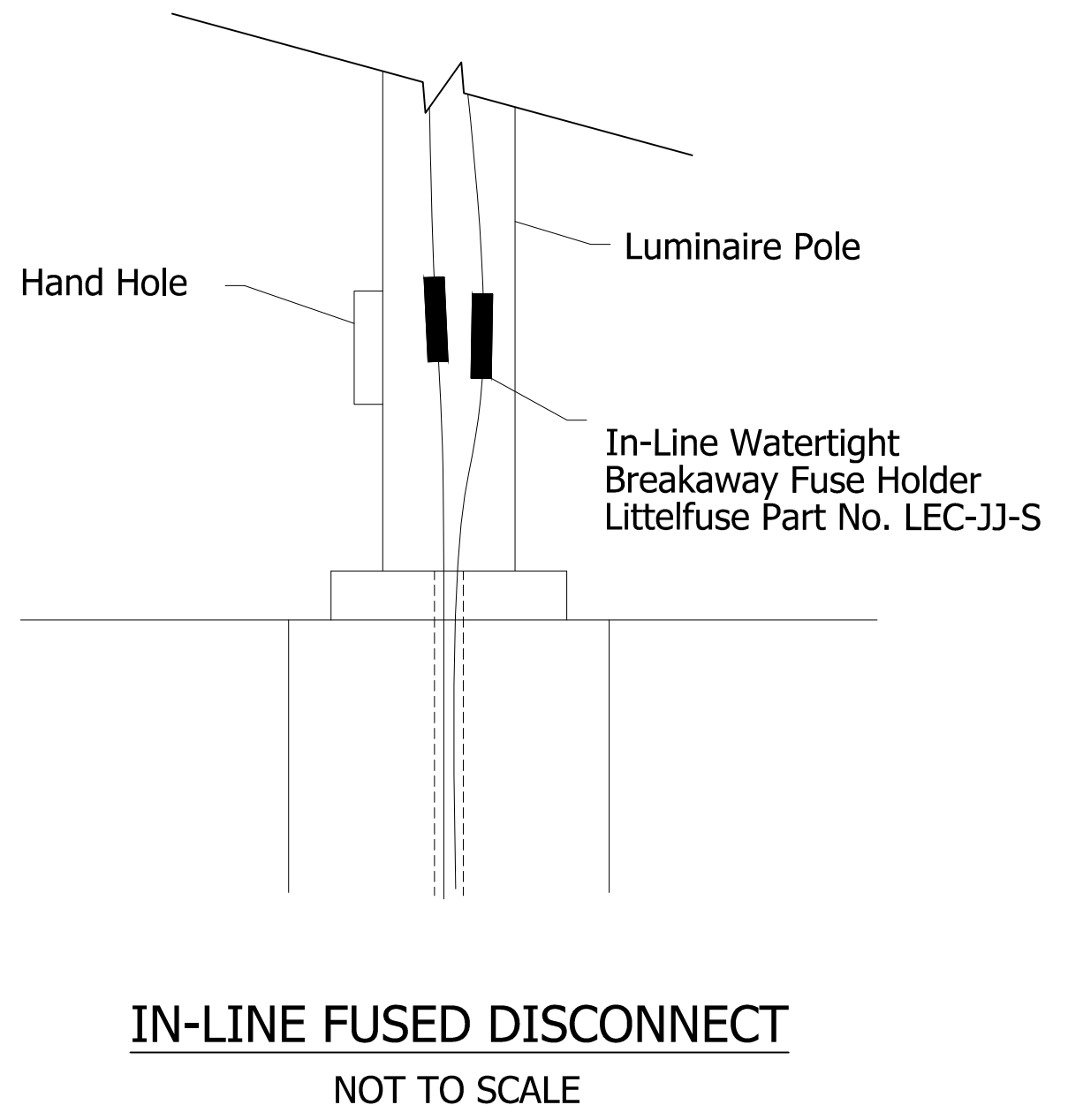
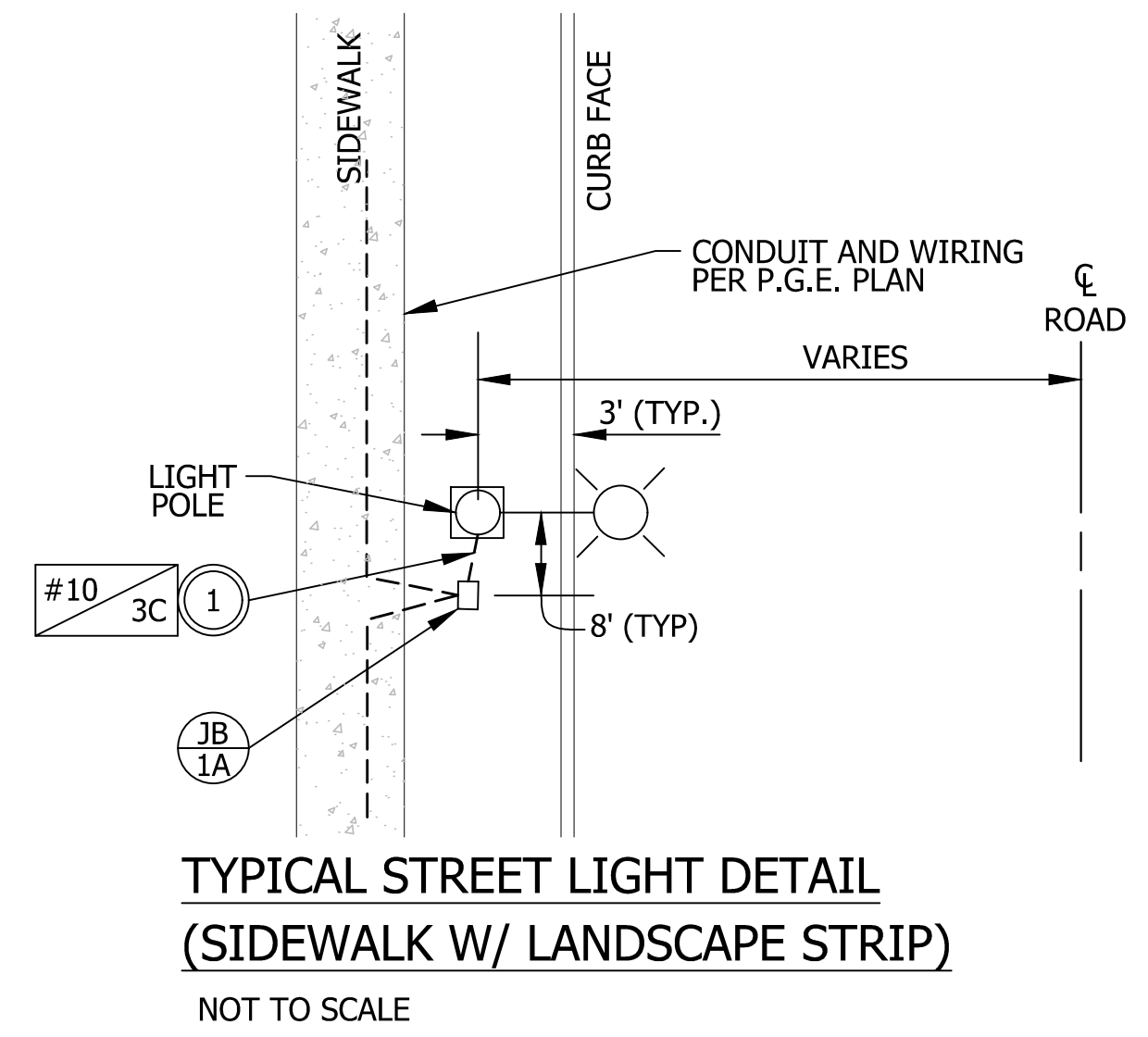
DATE: 18/12/2018	DWG NO: APPROVAL	REV: 1
QUOTE NO: 17783	SHEET: 1 of 1	
NP8050D13AB		
CITY OF WILSONVILLE		

ANCHOR BOLT PROJECTION

MAX. 3/16"

REVISIONS

DESCRIPTION	CHANGED	BY	DATE
RIGHT FIXTURE CHANGED	31		15/07/18

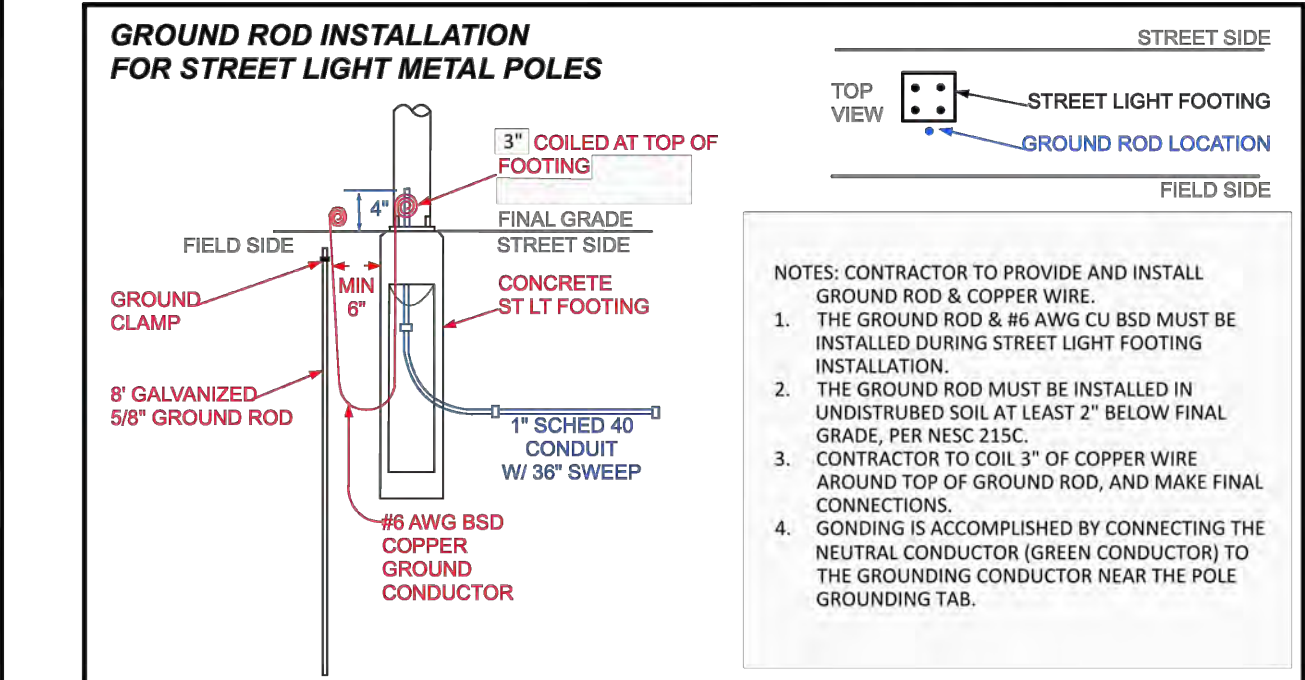
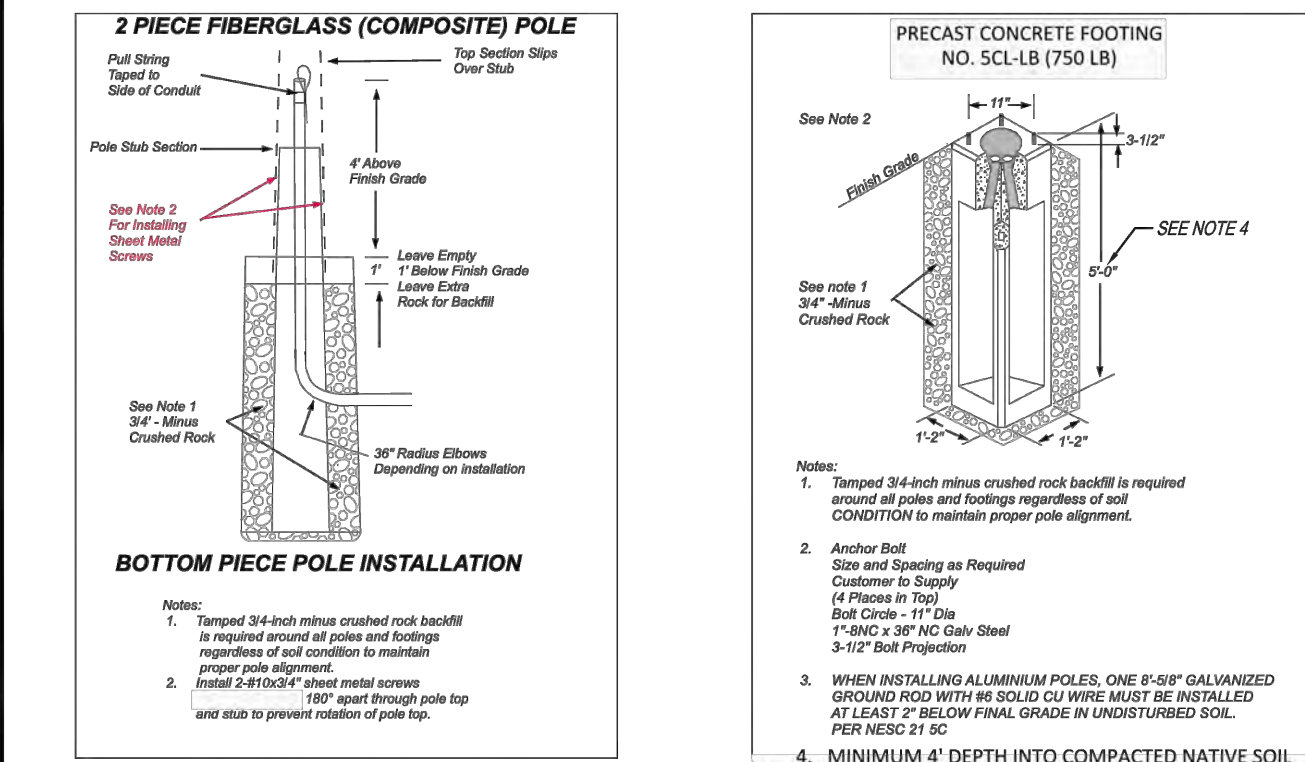


This Detail Drawing may not be altered or changed in any manner except by the City Engineer. It is the responsibility of the user to acquire the most current version.

- ALL CONCRETE FOOTINGS NEED TO BE INSTALLED WITH TOP OF BASE FLUSH TO CURB/SIDEWALK.
- ALL CROSSINGS MUST EXTEND FROM PROPERTY LINE TO PROPERTY LINE. CROSSINGS TO BE 48 INCHES DEEP, MEASURED FROM FINAL GRADE.
- DIRECTIONAL BORING REQUIREMENTS: BLACK HDPE (HIGH DENSITY POLYETHYLENE) 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.
- TRENCH AND ELBOW CONFIGURATIONS, ALL CONDUIT, VAULT AND PAD INSTALLATIONS MUST BE INSPECTED PRIOR TO BACKFILLING.
- 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.
- 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.

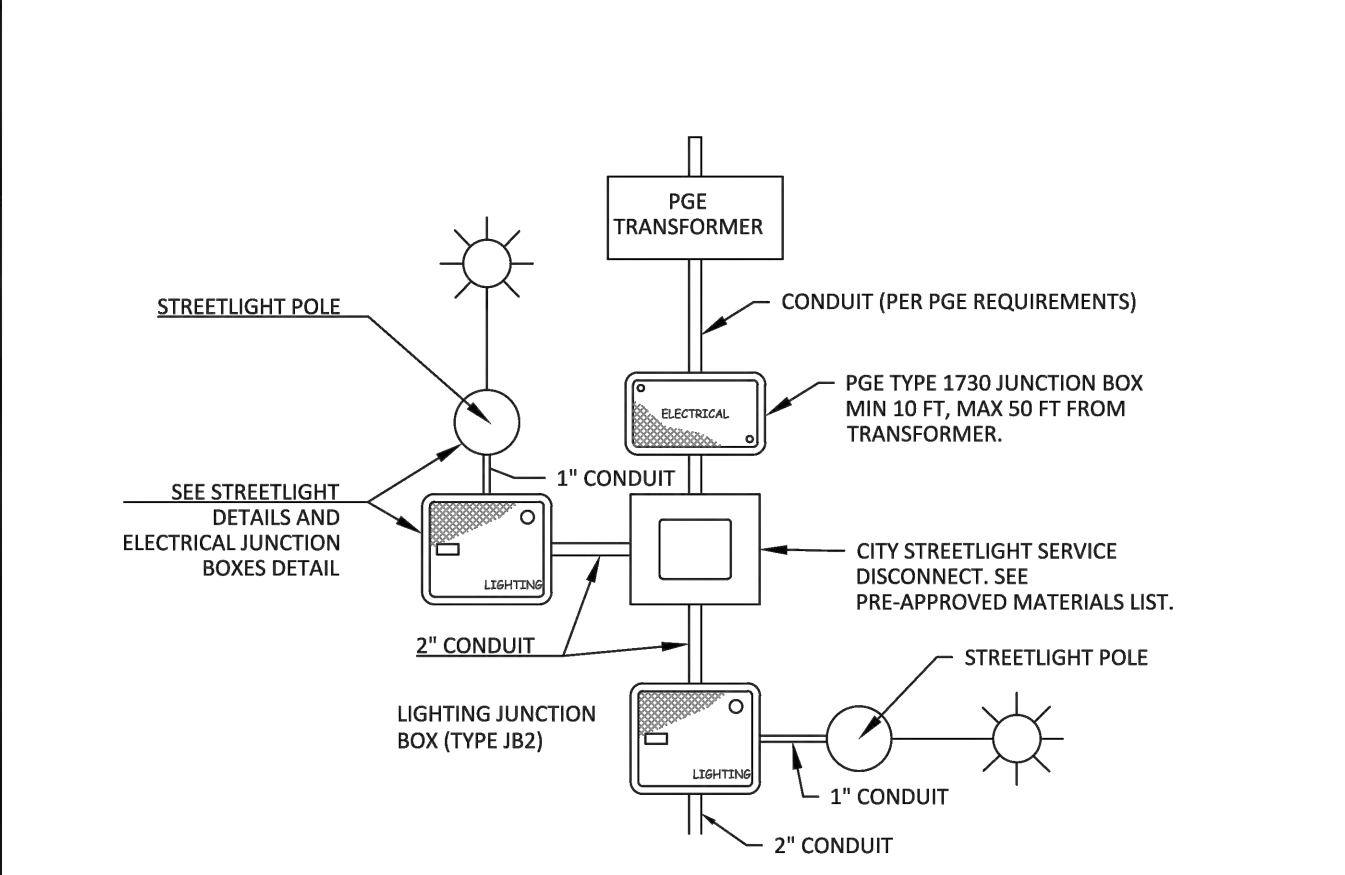
STREETLIGHT FOOTING REQUIREMENTS			CITY OF WILSONVILLE PUBLIC WORKS STANDARDS
DRAWING NUMBER: RD-1340	DRAWN BY: SR	SCALE: N.T.S.	
FILE NAME: RD-1340.dwg	APPROVED BY: NK	DATE: 08/08/17	

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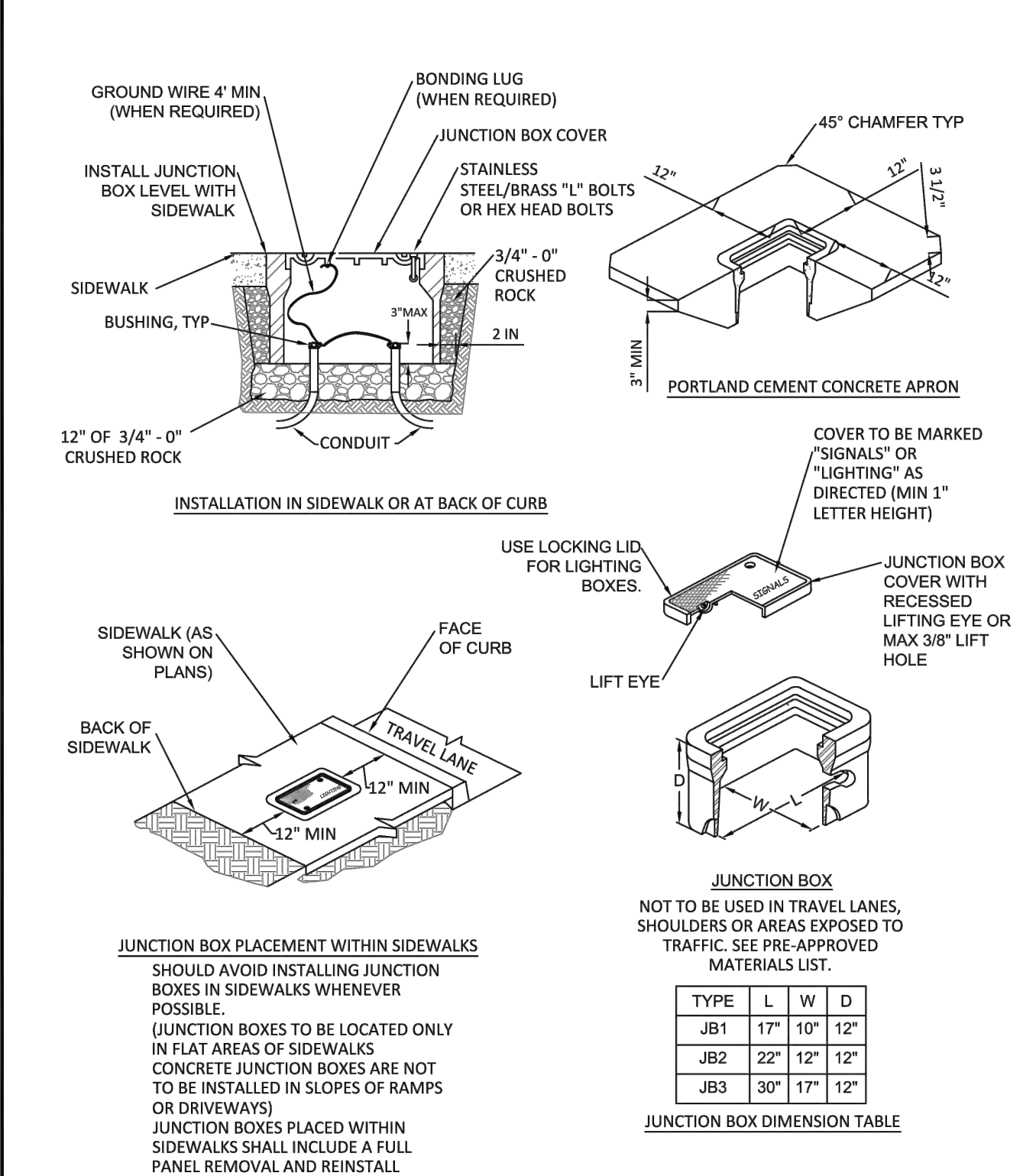
Streetlight Footing Requirements			CITY OF WILSONVILLE PUBLIC WORKS STANDARDS
DRAWING NUMBER: RD-1335	DRAWN BY: SR	SCALE: N.T.S.	
FILE NAME: RD-1335.dwg	APPROVED BY: NK	DATE: 08/08/17	

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Streetlight Disconnect			CITY OF WILSONVILLE PUBLIC WORKS STANDARDS
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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Electrical Junction Boxes			CITY OF WILSONVILLE PUBLIC WORKS STANDARDS
DRAWING NUMBER: RD-1325	DRAWN BY: SR	SCALE: N.T.S.	
FILE NAME: RD1325.dwg	APPROVED BY: NK	DATE: 08/08/17	

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POLES AND MAST ARMS

Length & Type	Valmont	Hadco	P&K Poles (Flagpole Inc)	Union Metal
30 foot, Davit Mast Arm (1952) (CU 279)	3000-85106D4	41-176PGE	RTA8L30AAD1632D	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)				20" Round by 48" High	20R-LB-4- PGE
For 25 to 35 Foot Aluminum Anchor Base Poles (00147)	11 inch	3-1/2 inch	1" - 8 NC Galv Steel	14" Square by 60" High	SCL-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			CITY OF WILSONVILLE PUBLIC WORKS STANDARDS
DRAWING NUMBER: RD-1345	DRAWN BY: SR	SCALE: N.T.S.	
FILE NAME: RD-1345.dwg	APPROVED BY: NK	DATE: 08/28/17	

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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" (90031)
Newbasics	FCA132418T-00043	FCA173018T-90026	PCA1212-90005 (Box: PMB121212SN20 Lid: SMC1212B1A20)
Quazite (Hubbell)	A42132418A017	A42173018A017	N/A
Oldcastle /Carson Industries	13241617	17301620	HLW1212-12-PC
CDR (Electrimold)	N/A	N/A	PA-13-1212-12
Higliene	CHA132418HE1	CHA173018HE1	PHA121212SE1
Armorcast	A6001946TAX18-PGE	A6001640TAX18-PGE	A6001423TA (Box: A6001423) (Cover: A6001422)

Approved Street Lighting Equipment for New Installations Pg 5			CITY OF WILSONVILLE PUBLIC WORKS STANDARDS
DRAWING NUMBER: RD-1345	DRAWN BY: SR	SCALE: N.T.S.	
FILE NAME: RD-1345.dwg	APPROVED BY: NK	DATE: 08/28/17	

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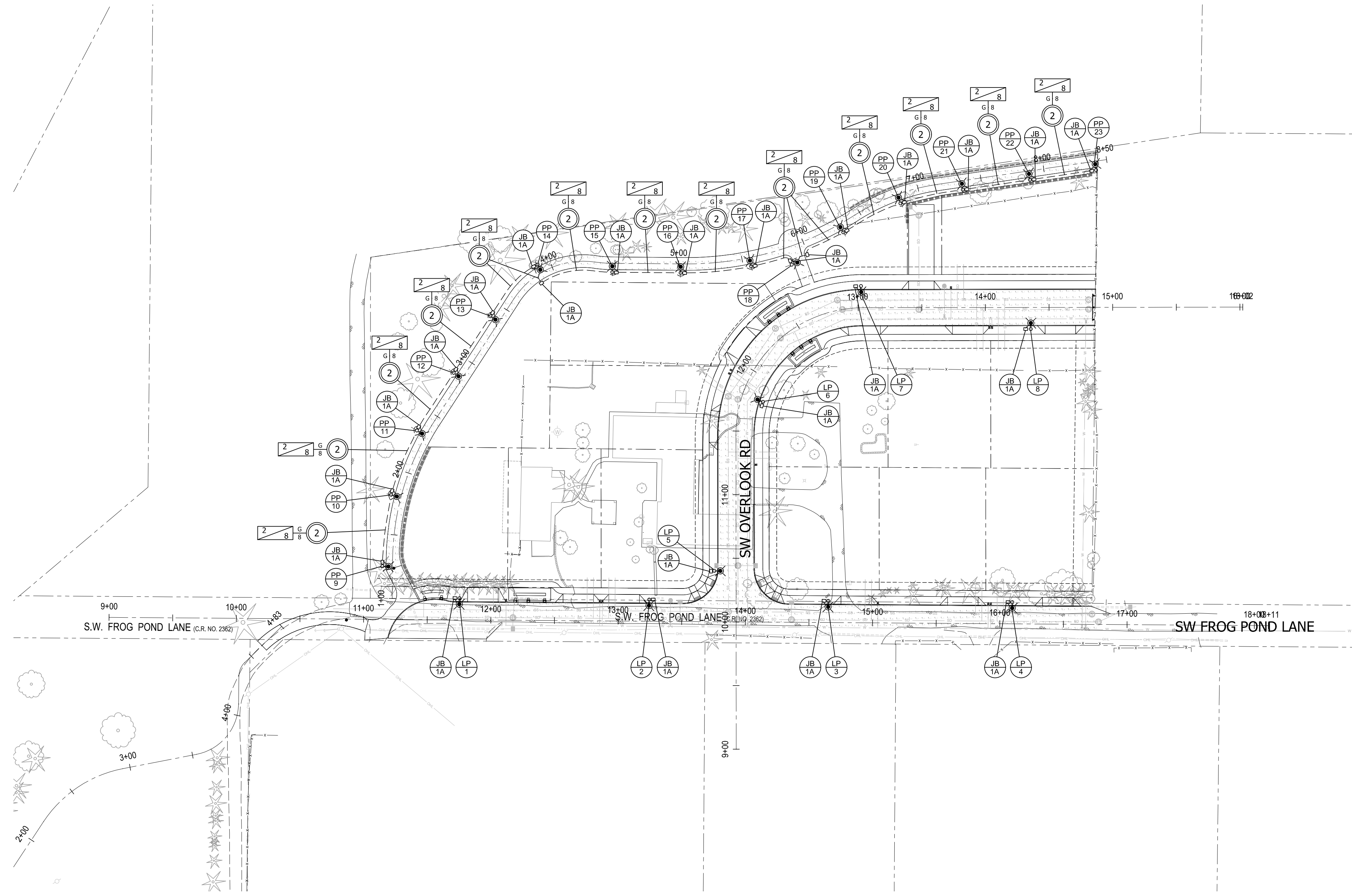
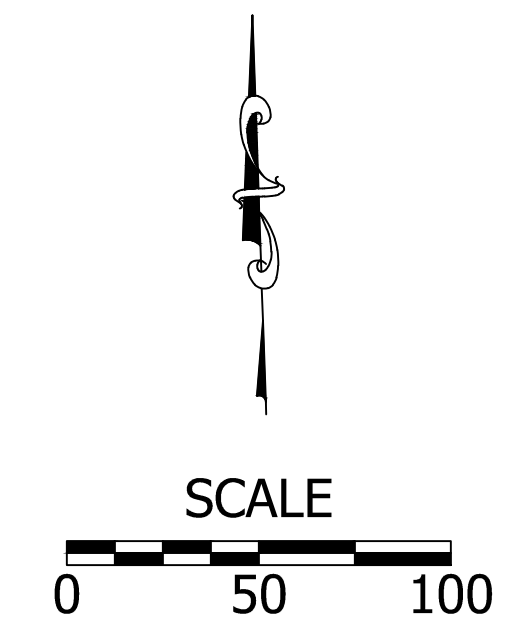
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LEGEND

- INSTALL 13"x24"x18" (MIN. DIMENSION) PGE APPROVED PRECAST CONCRETE JUNCTION BOX WITH CONCRETE APRON.
- INSTALL N (N=NUMBER) PGE LUMINAIRE POLE.
- INSTALL N (N=NUMBER) PEDESTRIAN PATH POLE.
- S = PVC SCHEDULE 40 CONDUIT SIZE (N)
N = NUMBER OF TYPE THWN CONDUCTORS
X = CONDUCTOR SIZE



FROG POND OVERLOOK ILLUMINATION PLAN

TITLE

#	DATE	DESCRIPTION

REVISIONS

JCH ASY
 DRAWN BY CHECKED BY
PRELIMINARY
 STATUS
 MAY 18, 2022
 DATE
 27474
 PROJECT NUMBER

IL-4

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