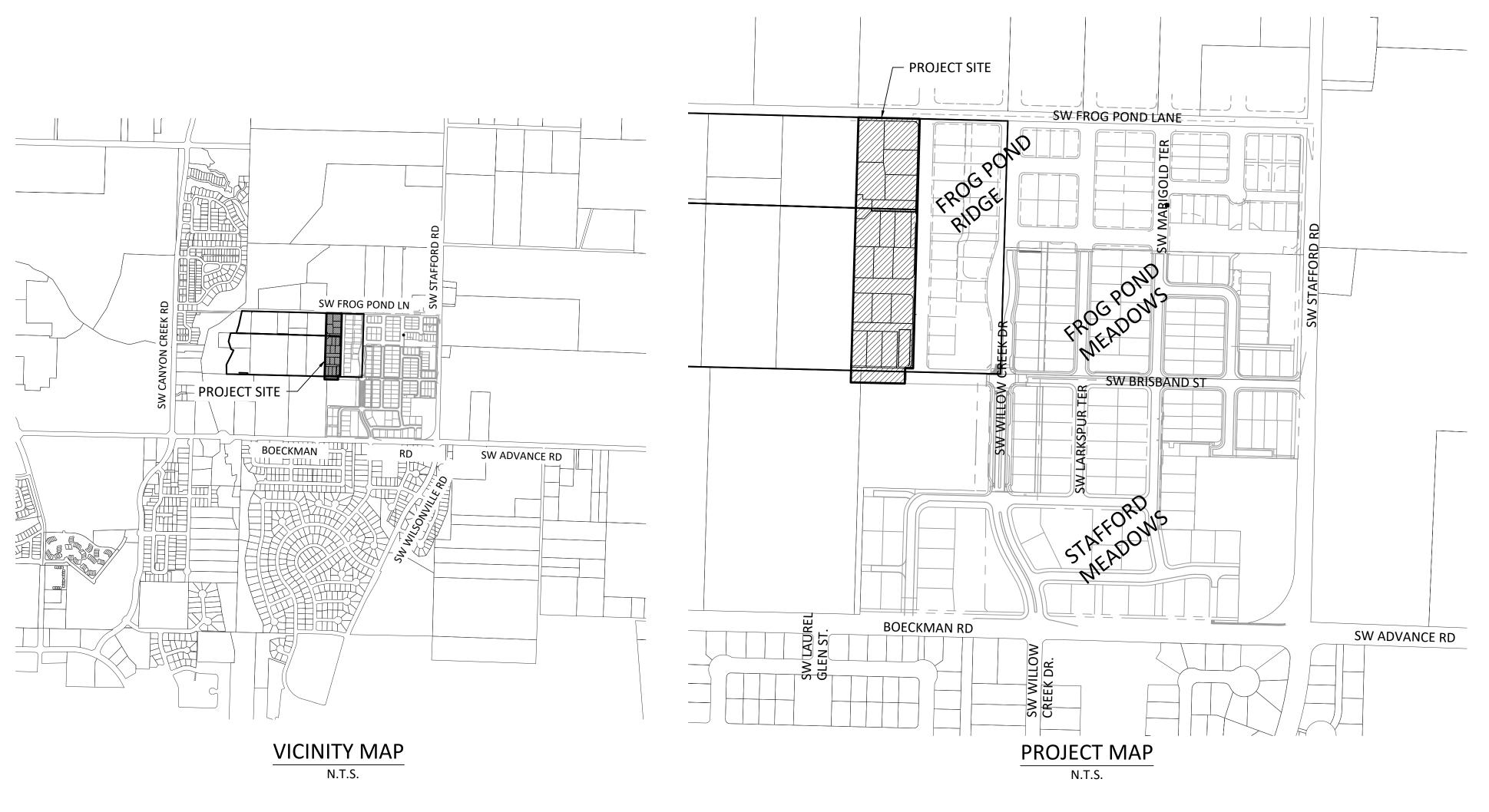
FROG POND ESTATES

PLANNED DEVELOPMENT 17 DETACHED SINGLE FAMILY LOTS CITY OF WILSONVILLE, OREGON



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	POSSIBLE FUTURE DEVELOPMENT
P10.00	SITE IMPACTS OF STREET EXTENSIONS
P11.00	SUB-DISTRICTS AND DENSITY
P12.00	SITE LINES
L1.00	TREE PROTECTION PLAN
L2.00	LANDSCAPE PLANS
L2.10	LANDSCAPE TRACT PLAN
L2.20	LANDSCAPE DETAILS
L3.00	LANDSCAPE NOTES AND DETAILS
IL-1	ILLUMINATION NOTES
IL-2	ILLUMINATION DETAILS
IL-3	ILLUMINATION DETAILS
IL-4	ILLUMINATION PLAN

APPLICANT/ DEVELOPER

NAME: WEST HILLS LAND DEVELOPMENT CONTACT: DAN GRIMBERG 3330 NW YEON AVENUE, SUITE 200 ADDRESS: PORTLAND, OR 97210

(503) 641-7342

PHONE:

PHONE:

PLANNER /CIVIL ENGINEER/ SURVEYOR/ LANDSCAPE ARCHITECT

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

(503) 287-6825

ARBORIST

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

GEOTECHNICAL ENGINEER

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

SITE INFORMATION

OF FROG POND RIDGE NO. 2 PLAT

(EXISTING TAXLOT 3S 1W 12D 01500)

CLACKAMAS COUNTY CITY OF WILSONVILLE, OREGON, 97070 AREA (AC) 3S 1W 12D 1501 (7070 SW FROG POND LANE) 4.06 PLUS PROPOSED R.O.W. DEDICATION (7600 SF / 0.17 AC) ON TAXLOT 3S 1W 12DC 04500 AND 3S 1W 12DD 00400 (SCHOOL DISTRICT) PLUS REPLAT OF PROPOSED TRACT I (2966 SF / 0.07 AC)

City of Wilsonville City of Wilsonville
Exhibit B2 DB21-0065 et al Otak Otak, Inc.

EST/ LE FAMIL LE, ORE FROG POND E 17 DETACHED SINGLE CITY OF WILSONVILLE

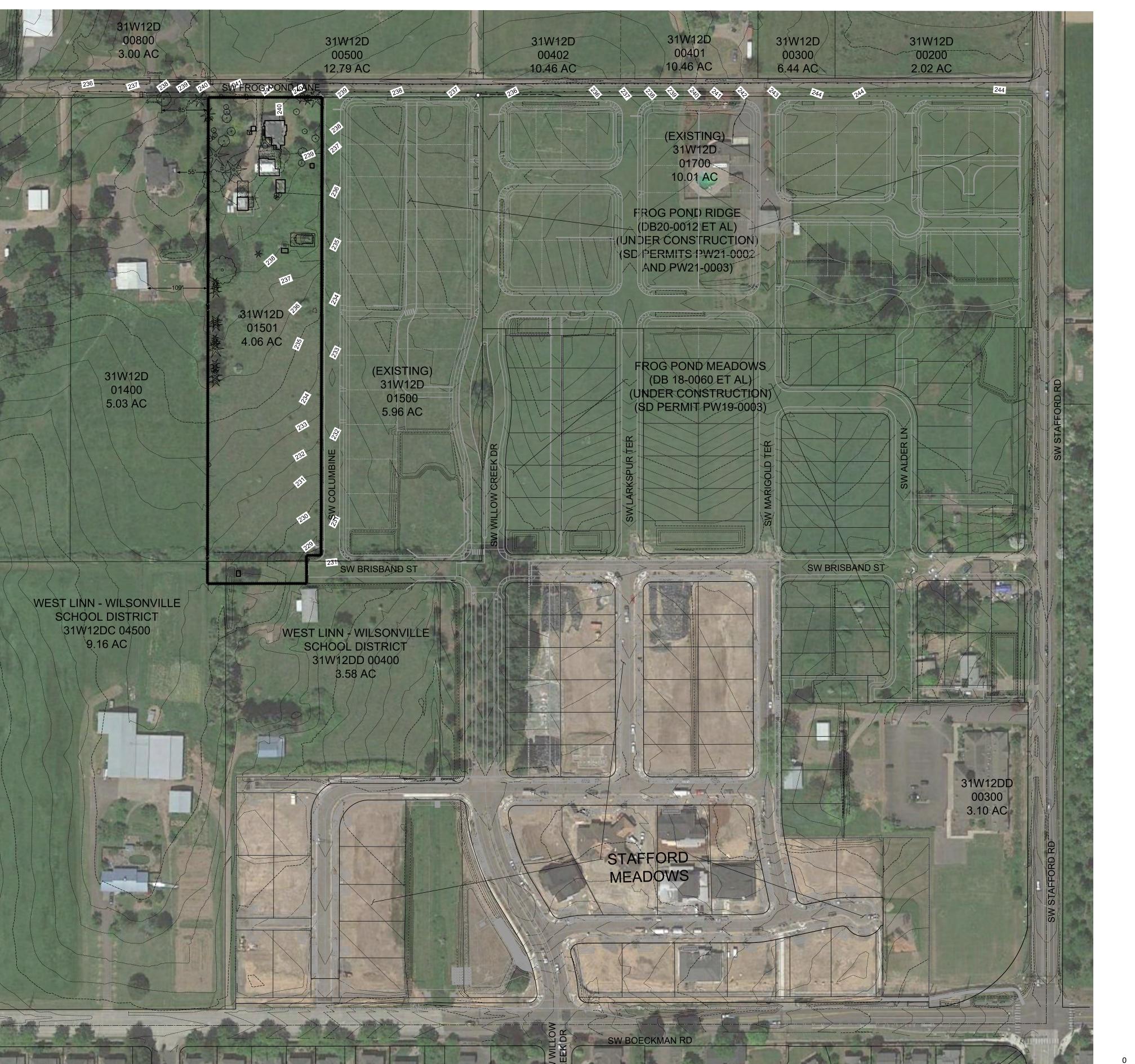
TITLE DESCRIPTION REVISIONS

NAVD88 DATUM OTAK CAD DRAWN BY LAND USE SUBMITTAL

STATUS DECEMBER 30, 2021

PROJECT NUMBER

© 2021 OTAK, INC. If this drawing is not 22" x 34", it has bee reduced/enlarged. Scale accordingly.



LEGEND

SCALE IN FEET

SITE

PROPERTY LINE

PROJECT LIMITS

EXISTING 5' CONTOUR

OVERHEAD LINE

COM. CABLE LINE

GAS LINE

WATER LINE

ELECTRIC LINE

SANITARY SEWER LINE

WETLAND AREAS

CULVERT PIPE

TREES

PRELIMINARY

STAMP

808 SW Third Avenue, Ste. 800 Portland, OR 97204 503. 287. 6825

Otak

Otak, Inc.

STAMP

WEST HILLS

LAND DEVELOPMENT

CONSULTANT

AERIAL

FROG POND ESTATES
17 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

LE DATE DESCRIPTION

1111	_E	
#	DATE	DESCRIPTION
REV	ISIONS	

REVISIONS
NAVD88
DATUM

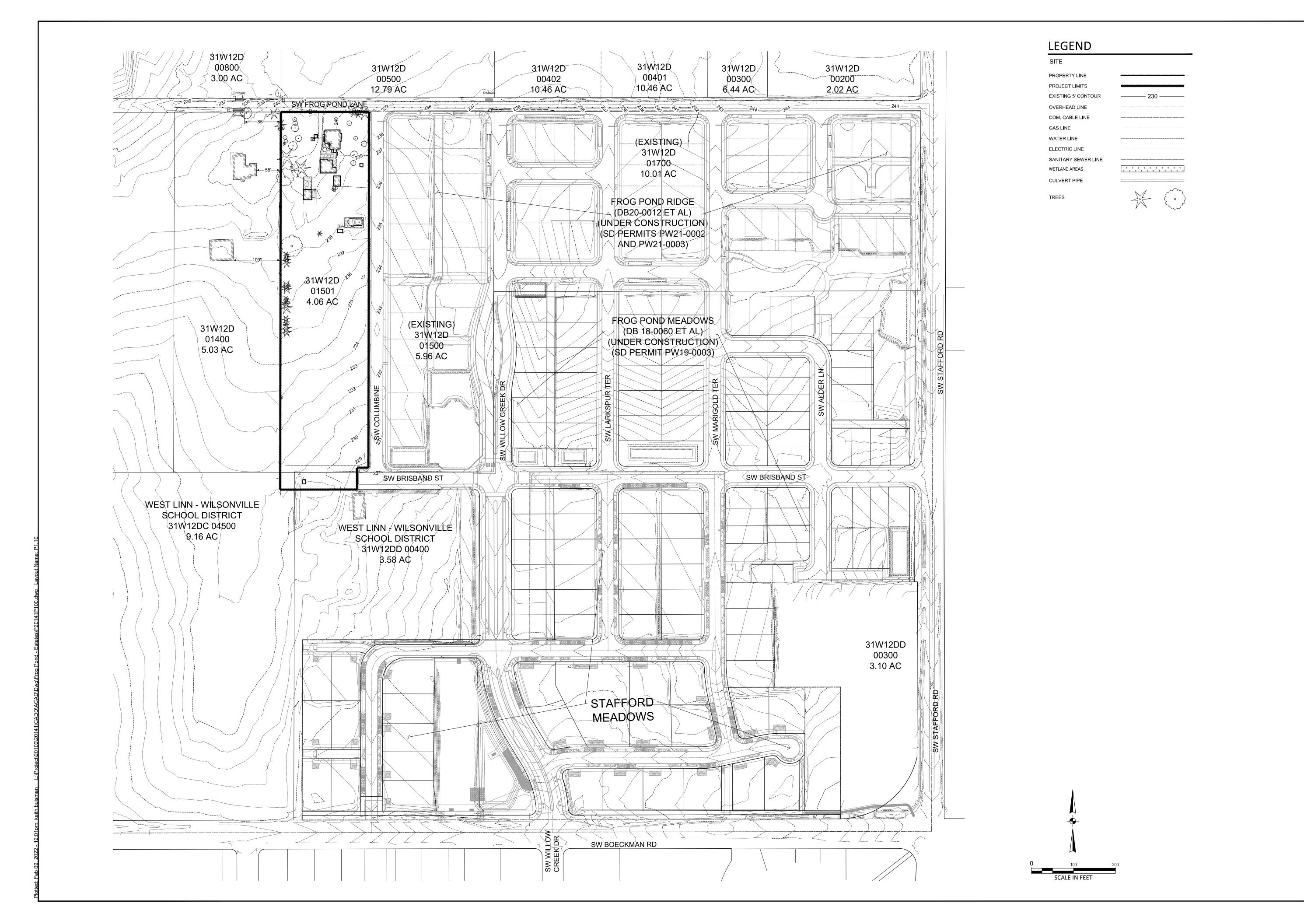
OTAK CAD
DRAWN BY CH

LAND USE SUBMITTAL
STATUS

STATUS
DECEMBER 30, 2021

20141 PROJECT NUMBER

> 91.00 © 2021 OTAK, INC.



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





VEY MAPPING

FROG POND ESTATES
17 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

_	C 7	ΙШ
TITI	LE	
#	DATE	DESCRIPTION
ΚĒV	ISIONS	

EVISIONS AVD88 ATUM

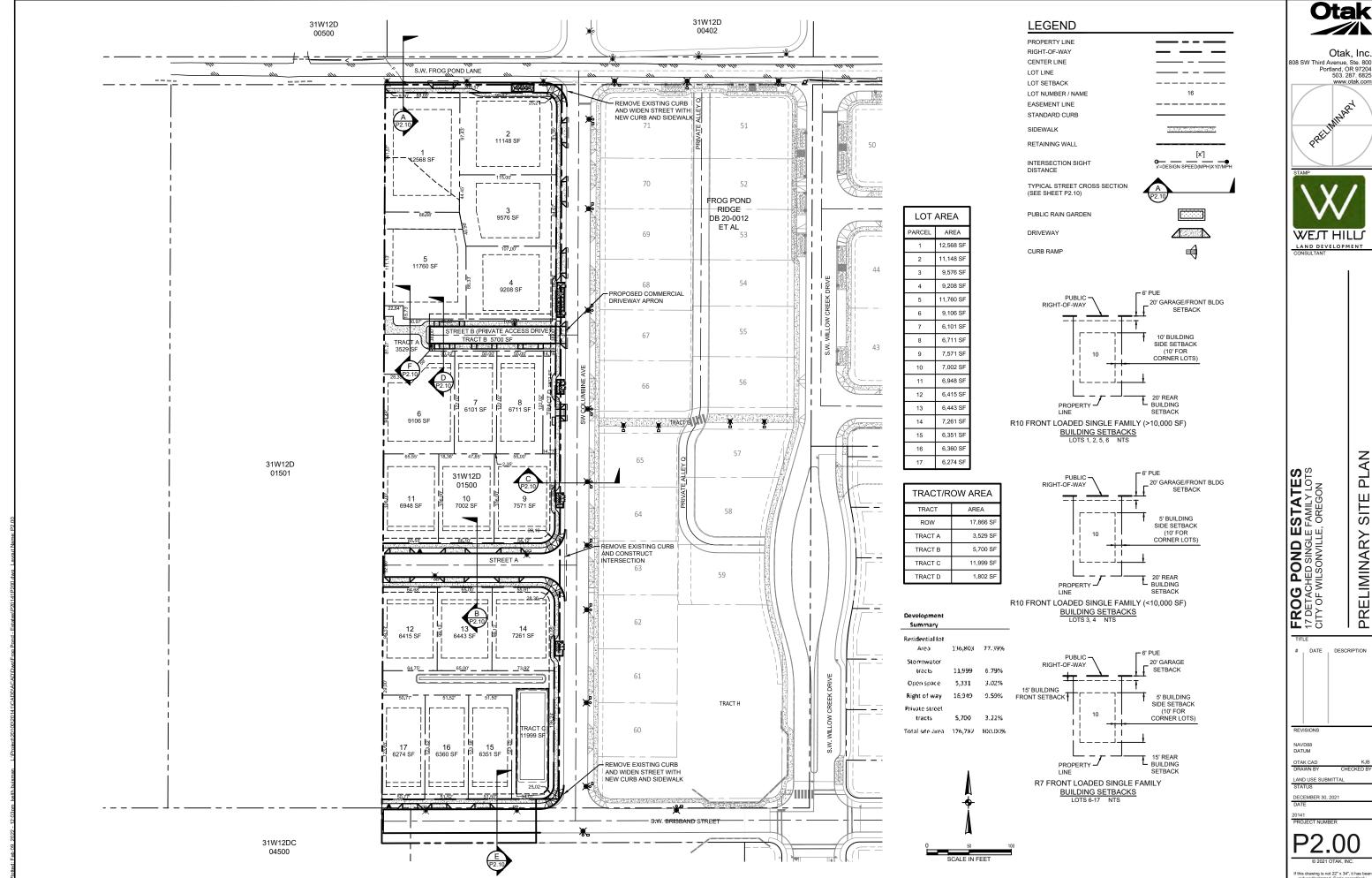
NAVD88 DATUM OTAK CAD

OTAK CAD
DRAWN BY
CHEC

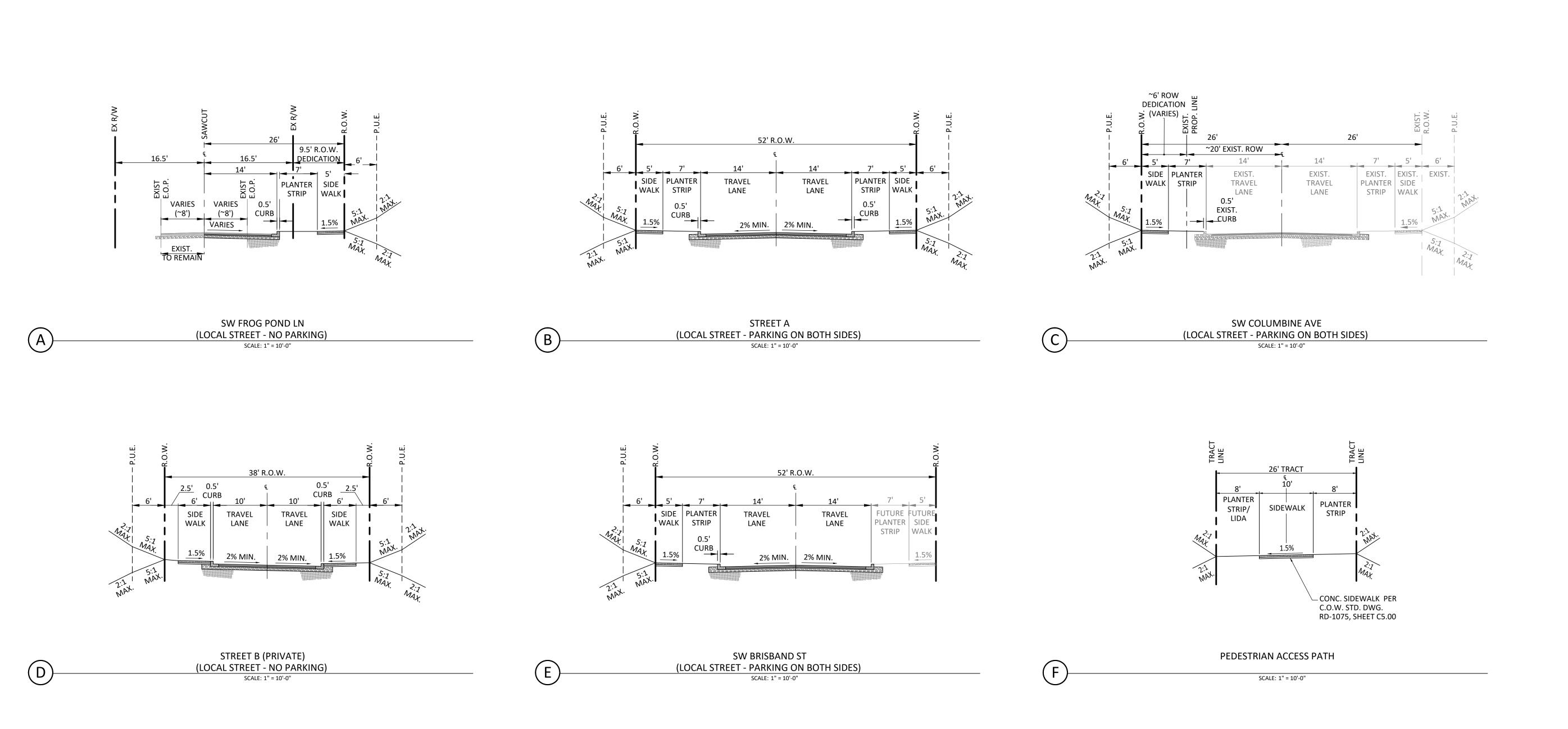
STATUS
DECEMBER 30, 2021

20141 PROJECT NUMBER

P1.10









808 SW Third Avenue, Ste. 800 Portland, OR 97204 503. 287. 6825

WELL HILL

LAND DEVELOPMENT
CONSULTANT

Otak, Inc.

www.otak.com

REVISIONS
NAVD88
DATUM

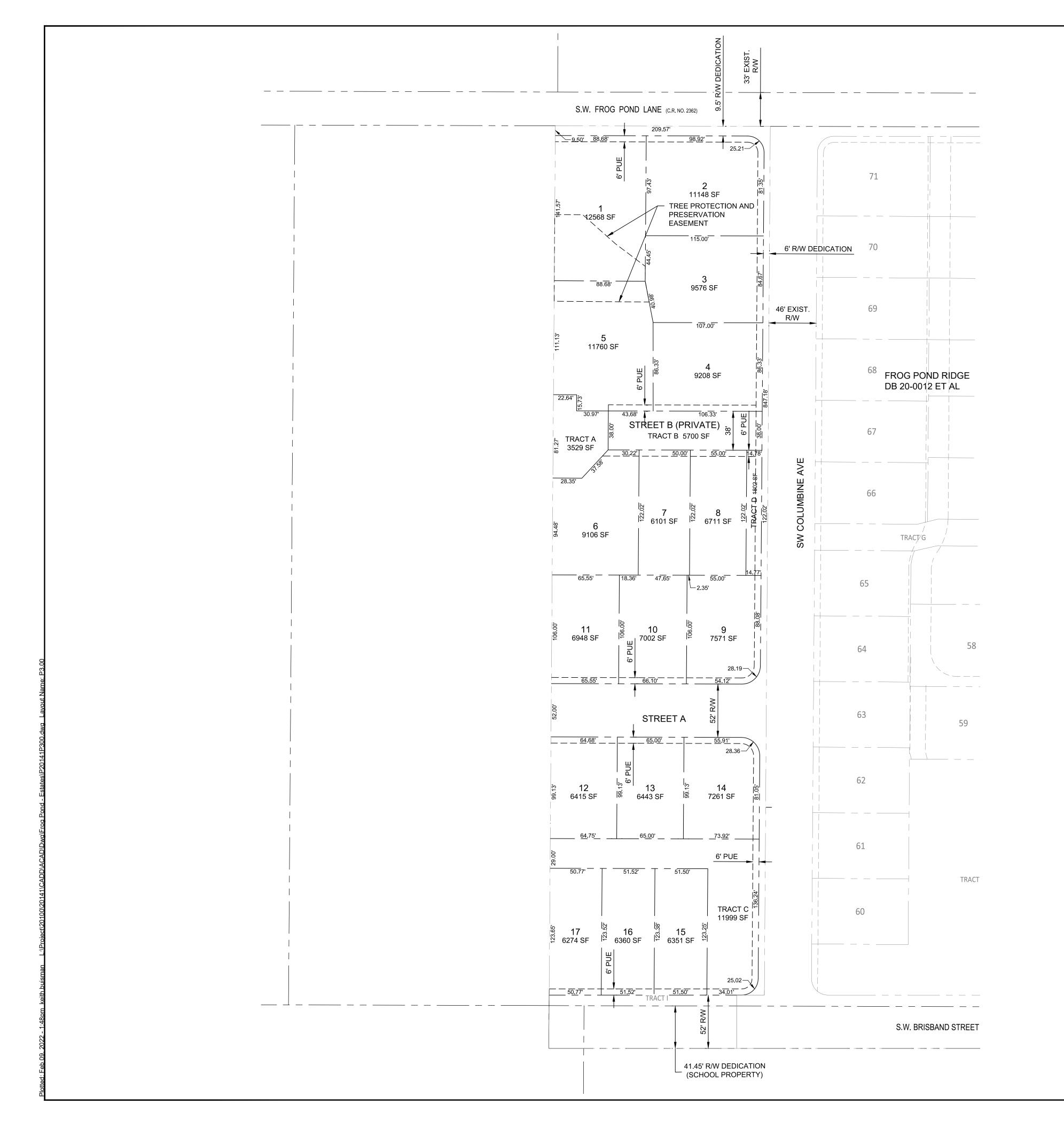
OTAK CAD
DRAWN BY

LAND USE SUBMITTAL
STATUS

DECEMBER 30, 2021

20141 PROJECT NUMBER

P2.10



GENERAL NOTES:

- TRACT A IS FOR NATURAL RESOURCE PURPOSES. TRACT A IS SUBJECT TO A TREE PROTECTION AND PRESERVATION EASEMENT OVER ITS ENTIRETY.
- TRACT B IS FOR SHARED DRIVEWAY PURPOSES AND IS SUBJECT TO A PUBLIC ACCESS EASEMENT. TRACT B IS ALSO SUBJECT TO A SANITARY SEWER PIPELINE EASEMENT, WATER PIPELINE EASEMENT, AND A STORMWATER PIPELINE EASEMENT, ALL TO BENEFIT THE CITY OF WILSONVILLE, OVER ITS ENTIRETY.
- 3. TRACT C IS FOR STORMWATER TREATMENT PURPOSES AND IS SUBJECT TO A STORM DRAINAGE AND STORMWATER PIPELINE EASEMENT TO BENEFIT THE CITY OF WILSONVILLE, OVER ITS ENTIRETY.

LEGEND

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



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





DETACHED SINGLE FAMILY LOTS
Y OF WILSONVILLE, OREGON

TITLE

DATE DESCRIPTION

REVISIONS

NAVD88

NAVD88 DATUM

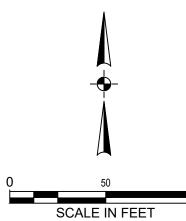
OTAK CAD
DRAWN BY CHECK

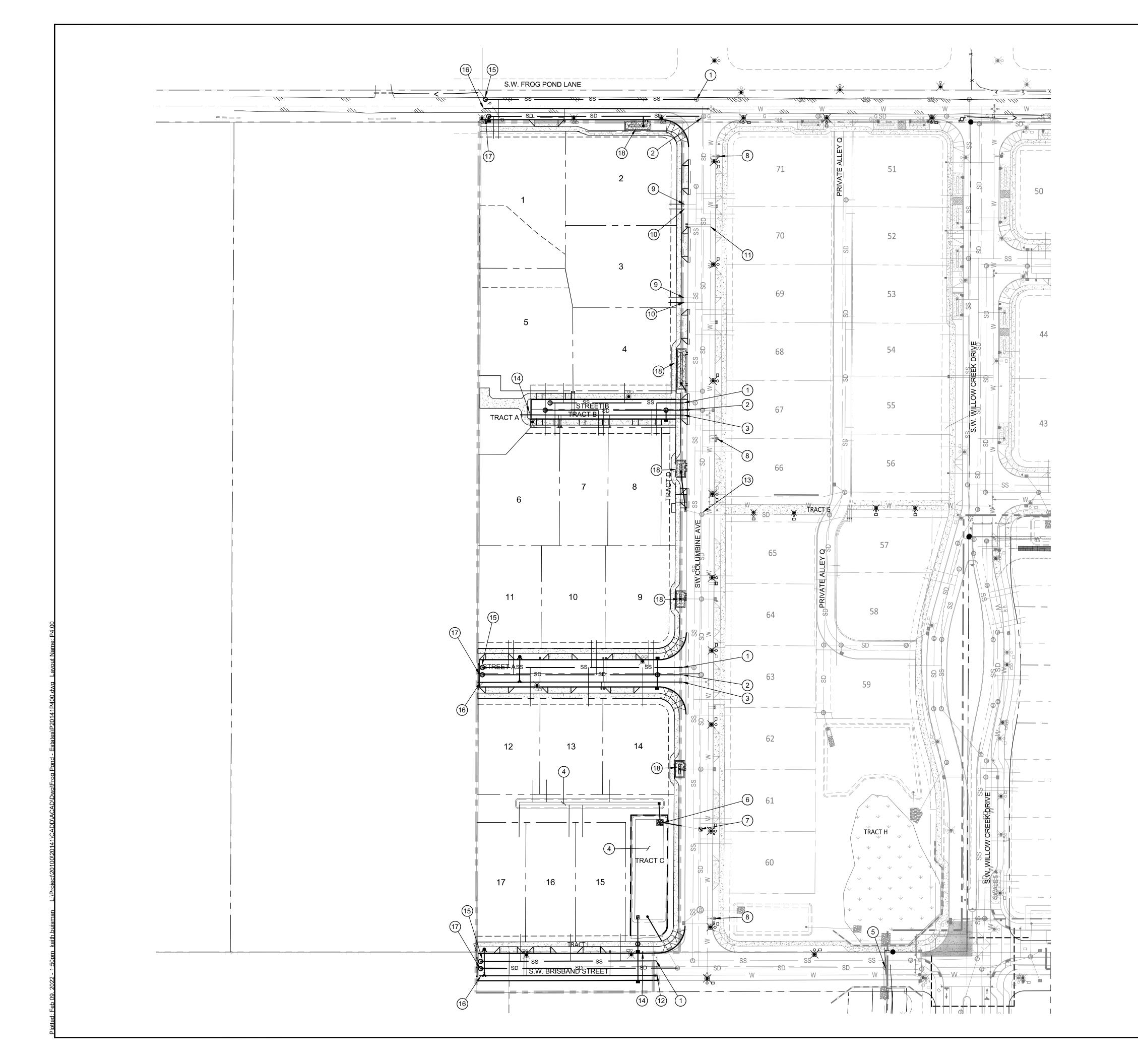
LAND USE SUBMITTAL
STATUS

STATUS
DECEMBER 30, 2021

20141 PROJECT NUMBER

²3.00





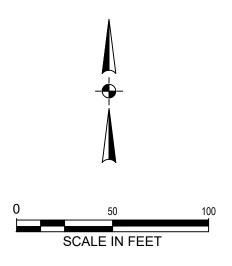
KEY NOTES

- 1 CONNECT TO EXISTING SANITARY SEWER.
- 2 CONNECT TO EXISTING STORM SEWER.
- 3 CONNECT TO EXISTING WATER LINE.
- 4 PROPOSED RAIN GARDEN (CITY STD. DWG. ST-6020)
- 5 CONNECT TO EXISTING CULVERT.
- 6 STORM SEWER OUTFALL TO RAIN GARDEN.
- 7 EXISTING FLOW SPLIT MANHOLE WITH PIPE STUB WEST.
- 8 EXISTING FIRE HYDRANT.
- 9 PROPOSED SEWER LATERAL EXTENSION TO EXISTING SEWER LATERAL.
- PROPOSED STORM LATERAL EXTENSION TO EXISTING STORM LATERAL.
- PROPOSED WATER SERVICE CONNECTION TO EXISTING WATER LINE.
- (12) REMOVE EXISTING FIRE HYDRANT AND EXTEND WATER LINE.
- 13) EXISTING FLOW SPLIT MANHOLE.
- PROPOSED IRRIGATION SERVICE.
- PROPOSED SEWER MAIN EXTENSION TO WESTERN PROPERTY BOUNDARY.
- PROPOSED WATER MAIN EXTENSION TO WESTERN PROPERTY BOUNDARY.
- PROPOSED STORM SEWER MAIN EXTENSION TO WESTERN PROPERTY BOUNDARY. SINCE WESTERN BOUNDARY IS AT A RIDGE, STORM SEWER FROM FUTURE DEVELOPMENT TO THE WEST WILL LIKELY NEED TO DISCHARGE TO FACILITIES TO THE WEST.
- PUBLIC LIDA WITH CURB OPENINGS (CITY STD. DWG. ST-6012)

LEGEND

SITE	PROPOSED
PROJECT BOUNDARY	
STORM DRAIN MANHOLE	0
STORM DRAIN CLEAN OUT	0
LIDA FLOW CONTROL STRUCTURE (BEEHIVE: CITY STANDARD DWG. ST CATCH BASIN STORM DRAIN MAIN	F-6120) ■ SD
STORM DRAIN LATERAL	SD
SANITARY SEWER MANHOLE	S
SANITARY SEWER CLEAN OUT	S
SANITARY SEWER MAIN SANITARY SEWER LATERAL	ss
WATER VALVE	H
WATER BLOW-OFF	Ъ
WATER METER	
WATER FIRE HYDRANT	>
WATER MAIN WATER LATERAL	W
STREET LIGHT PGE OPTION "B" LED WITH WESTBROOKE 35W LED AND 18' DECORATIVE ALUMINUM POLE (20' MOUNTING HEIGHT W/ 4' MAST ARM)	Š

LIDA FACILITY





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

503. 287. 6825 www.otak.com



WEST HILLS
LAND DEVELOPMENT
CONSULTANT

TITLE
DATE DESCRIPTION

REVISIONS

NAVD88 DATUM

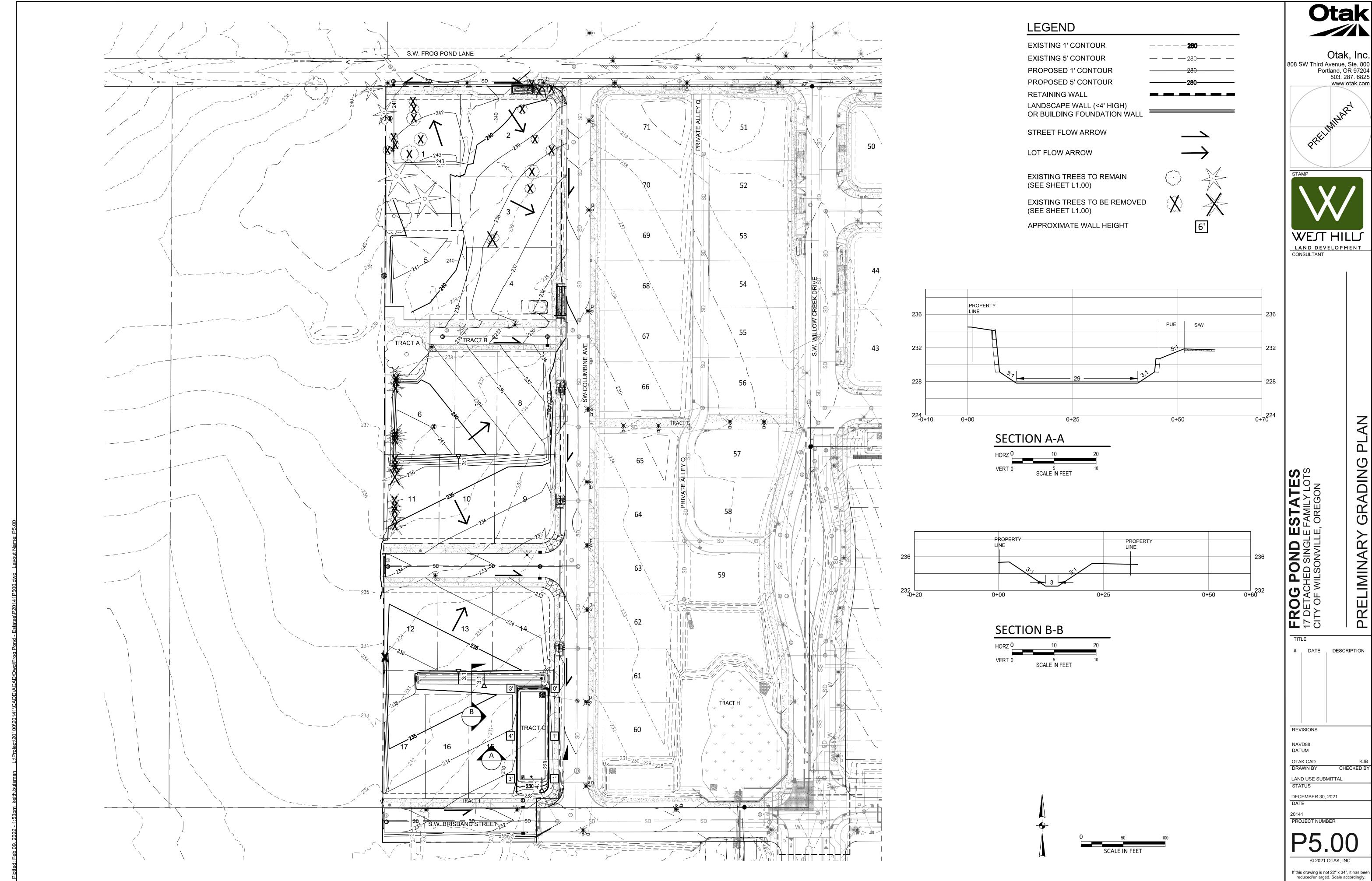
OTAK CAD
DRAWN BY CHECK

LAND USE SUBMITTAL
STATUS

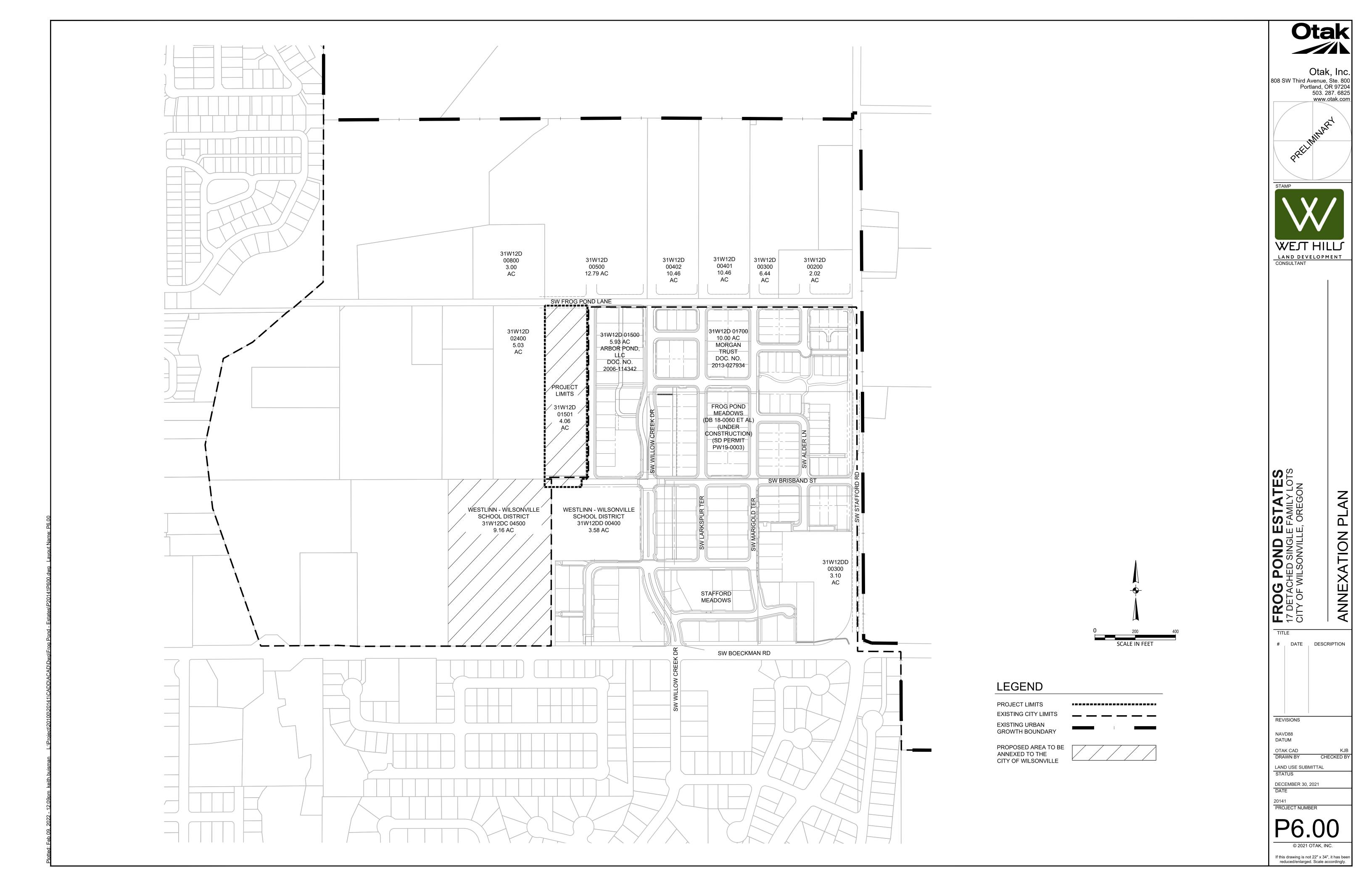
DECEMBER 30, 2021 DATE

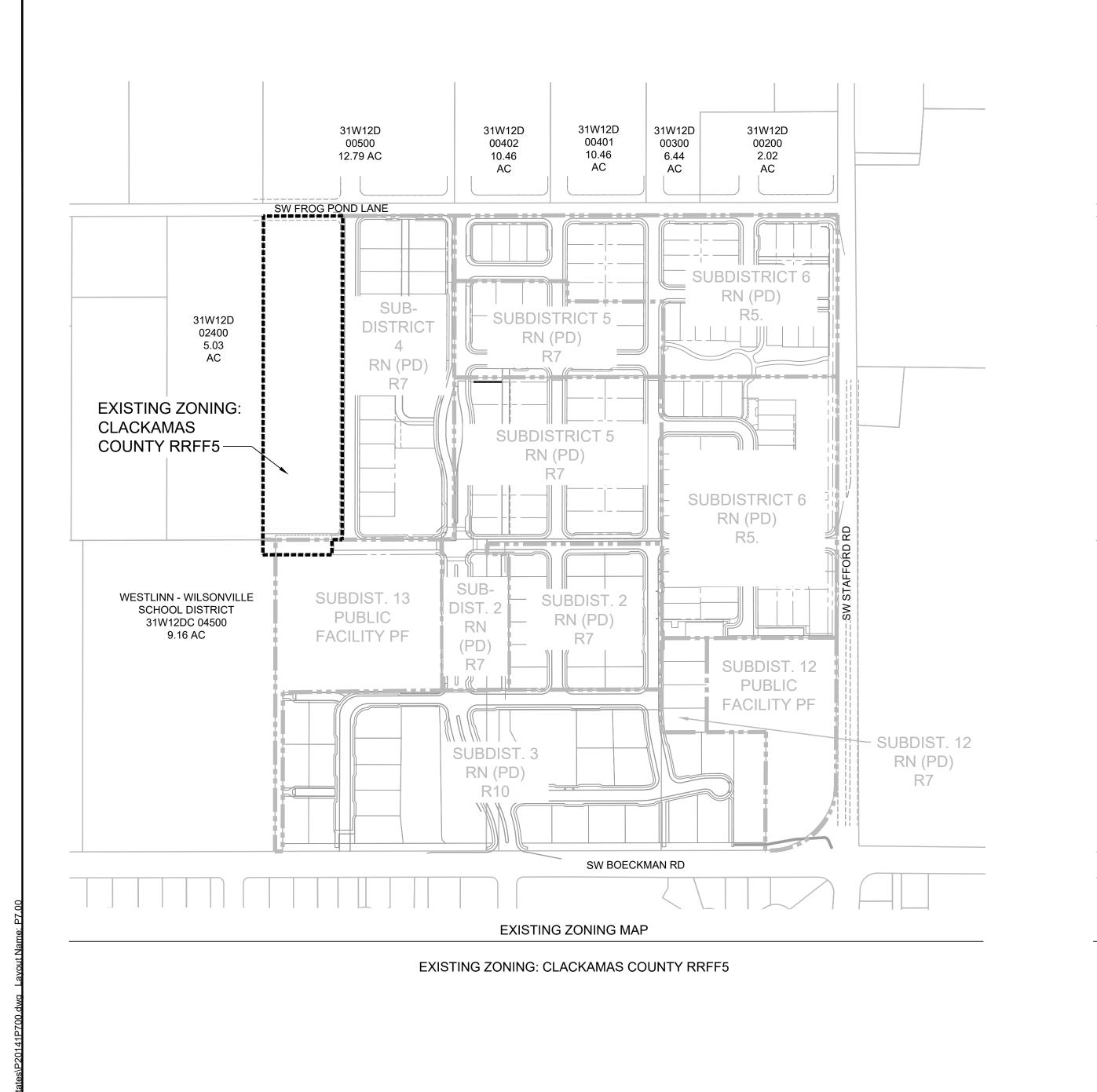
PROJECT NUMBER

P4.00









31W12D 31W12D 31W12D 31W12D 31W12D 00500 00402 00401 00300 00200 10.46 12.79 AC 10.46 6.44 2.02 AC SW FROG POND LANE SUBDISTRICT 7 RN (PD) R10----SUBDISTRICT 6 RN (PD) SUB-SUBDISTRICT 5 31W12D DISTRICT 02400 5.03 AC RN (PD) SUBDISTRICT 4 RN (PD) R7— SUBDISTRICT 5 RN (PD) SUBDISTRICT 6 RN (PD) SUB-SUBDIST. 13 SUBDIST. 13 SUBDIST. 2 PUBLIC FACILITY **PUBLIC** RN (PD) RN PF FACILITY PF (PD) SUBDIST. 12 PUBLIC FACILITY PF SUBDIST. 12 SUBDIST. 3 RN (PD) RN (PD) R7 R10 SW BOECKMAN RD PROPOSED ZONING MAP

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

O 200 400

LEGEND

PROJECT LIMITS

SUBDISTRICT LINE

Otak Otak, Inc. 808 SW Third Avenue, Ste. 800

Portland, OR 97204
503. 287. 6825
www.otak.com



LAND DEVELOPMENT
CONSULTANT

FROG POND ESTATES
17 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

TITLE

DATE DESCRIPTION

REVISIONS
NAVD88

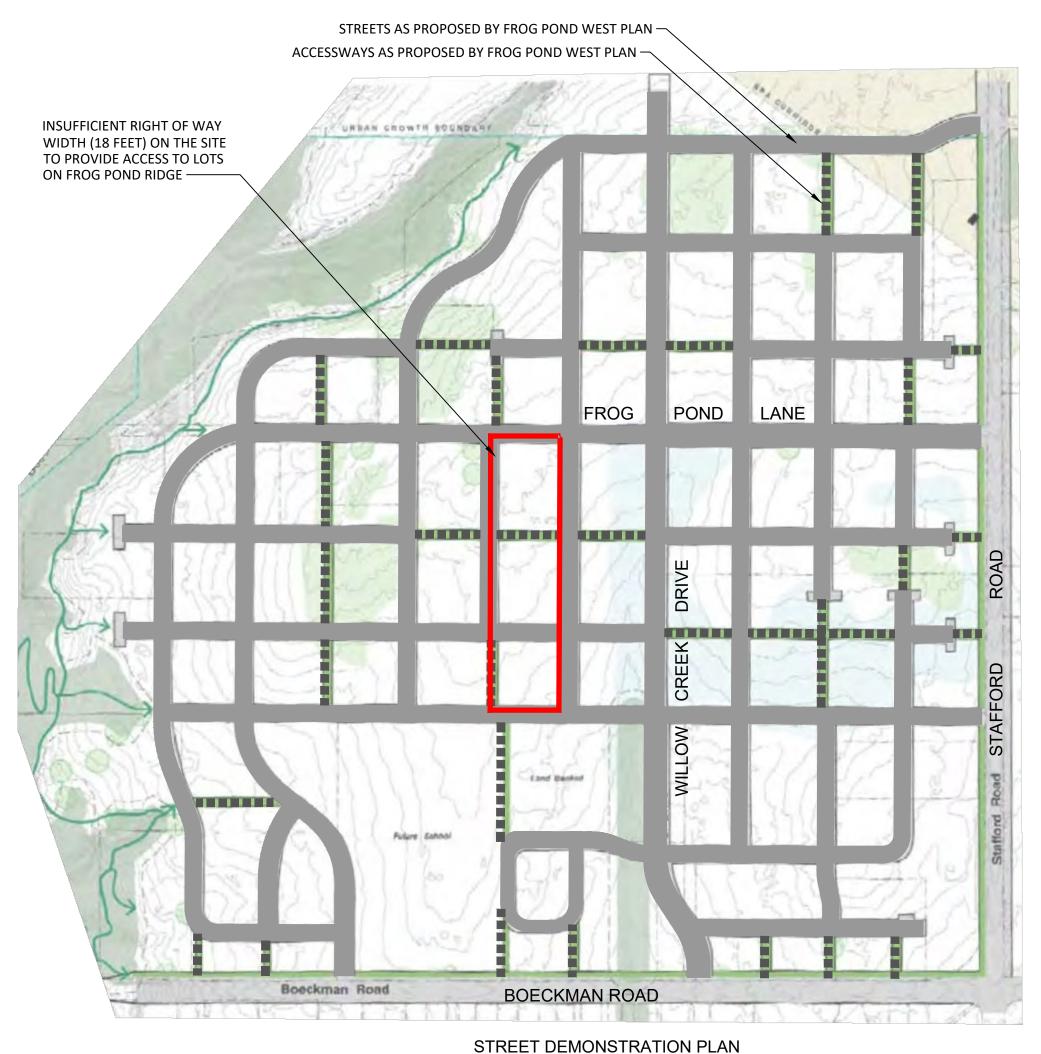
NAVD88
DATUM
OTAK CAD
DRAWN BY

OTAK CAD
DRAWN BY CHEC
LAND USE SUBMITTAL

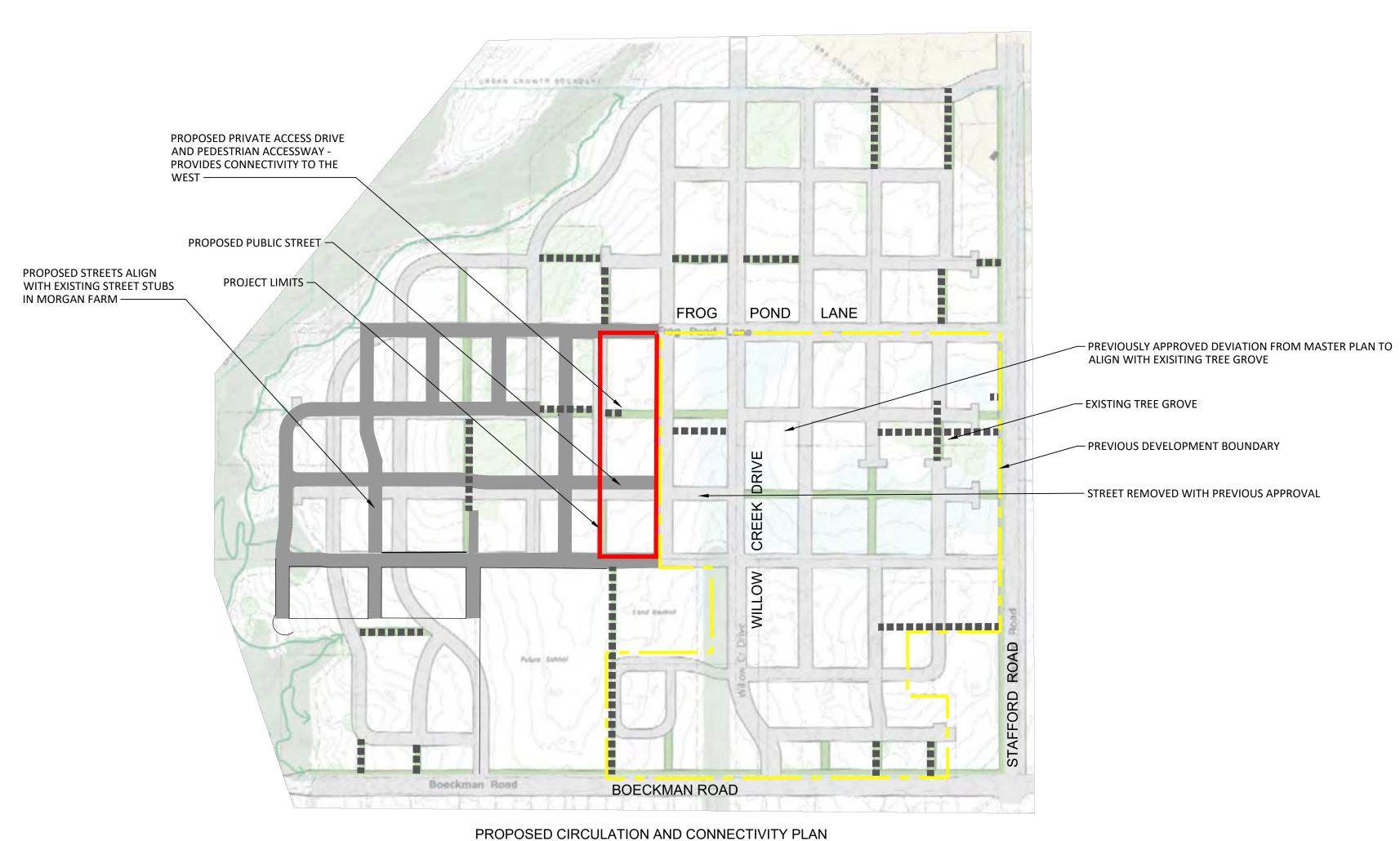
STATUS
DECEMBER 30, 2021

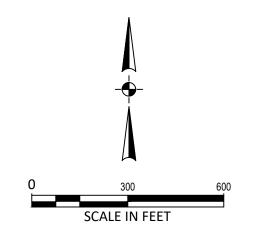
20141
PROJECT NUMBER

P7.00



PER FROG POND WEST MASTER PLAN







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

WE'T HILL

LAND DEVELOPMENT CONSULTANT

FROG POND ESTA
17 DETACHED SINGLE FAMILY
CITY OF WILSONVILLE, OREG

DESCRIPTION

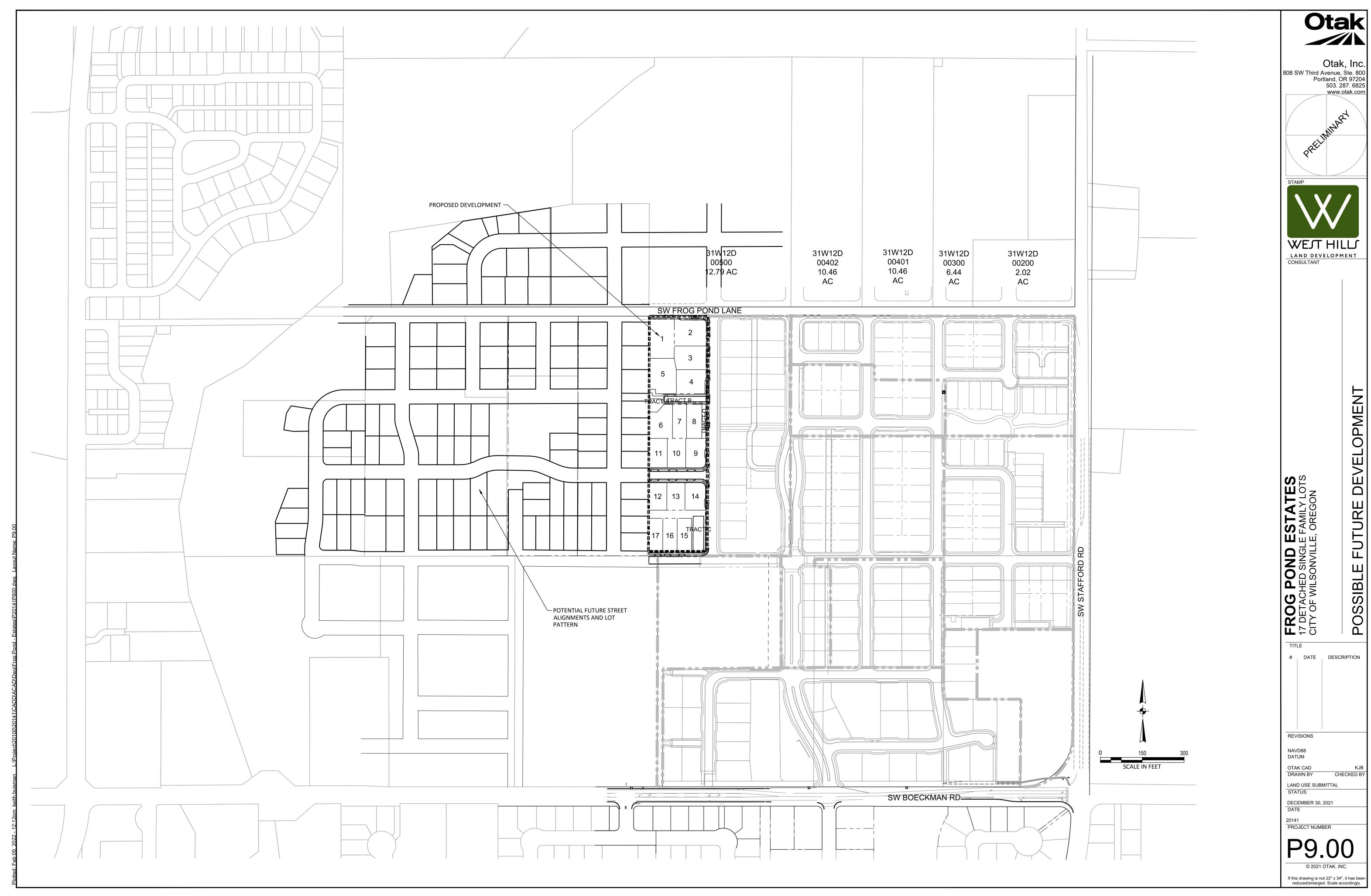
REVISIONS NAVD88

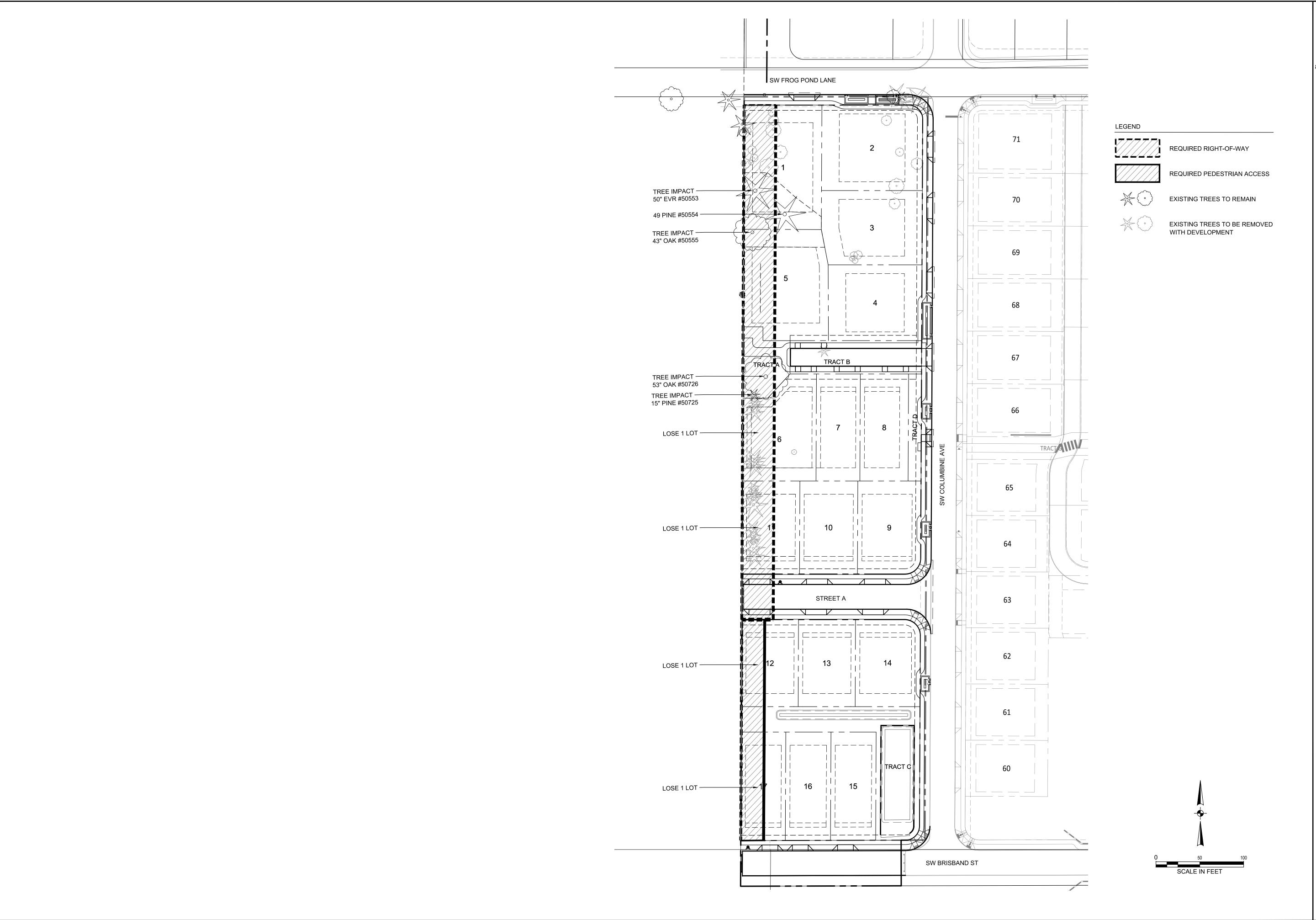
DATUM OTAK CAD

DRAWN BY CHECKED BY LAND USE SUBMITTAL

STATUS DECEMBER 30, 2021

PROJECT NUMBER





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



EXTENSIONS STREET

	- 0	1 0,
TITL	E	
#	DATE	DESCRIPTION
REVI	SIONS	

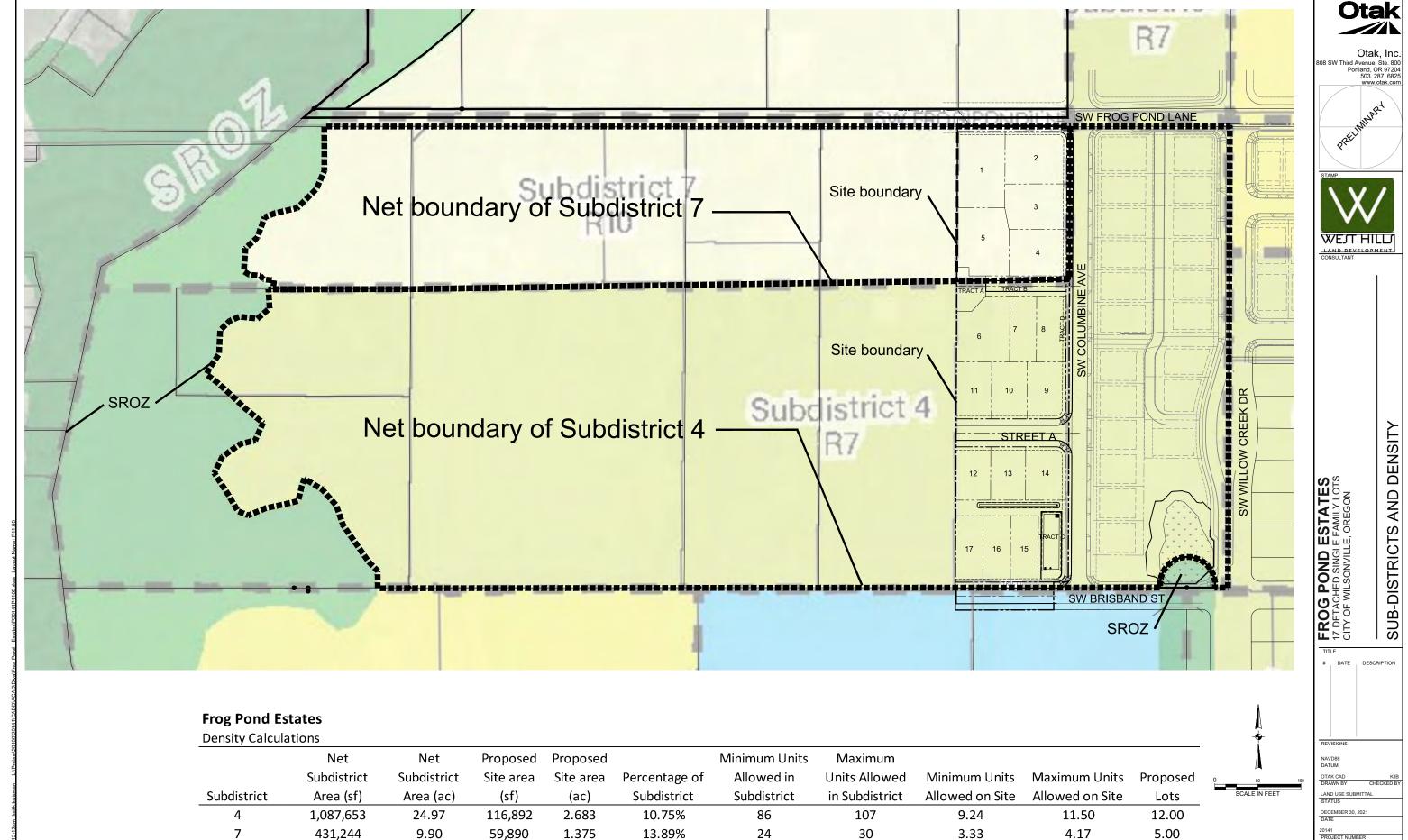
NAVD88 DATUM

OTAK CAD DRAWN BY LAND USE SUBMITTAL

STATUS DECEMBER 30, 2021 DATE

PROJECT NUMBER

© 2021 OTAK, INC.

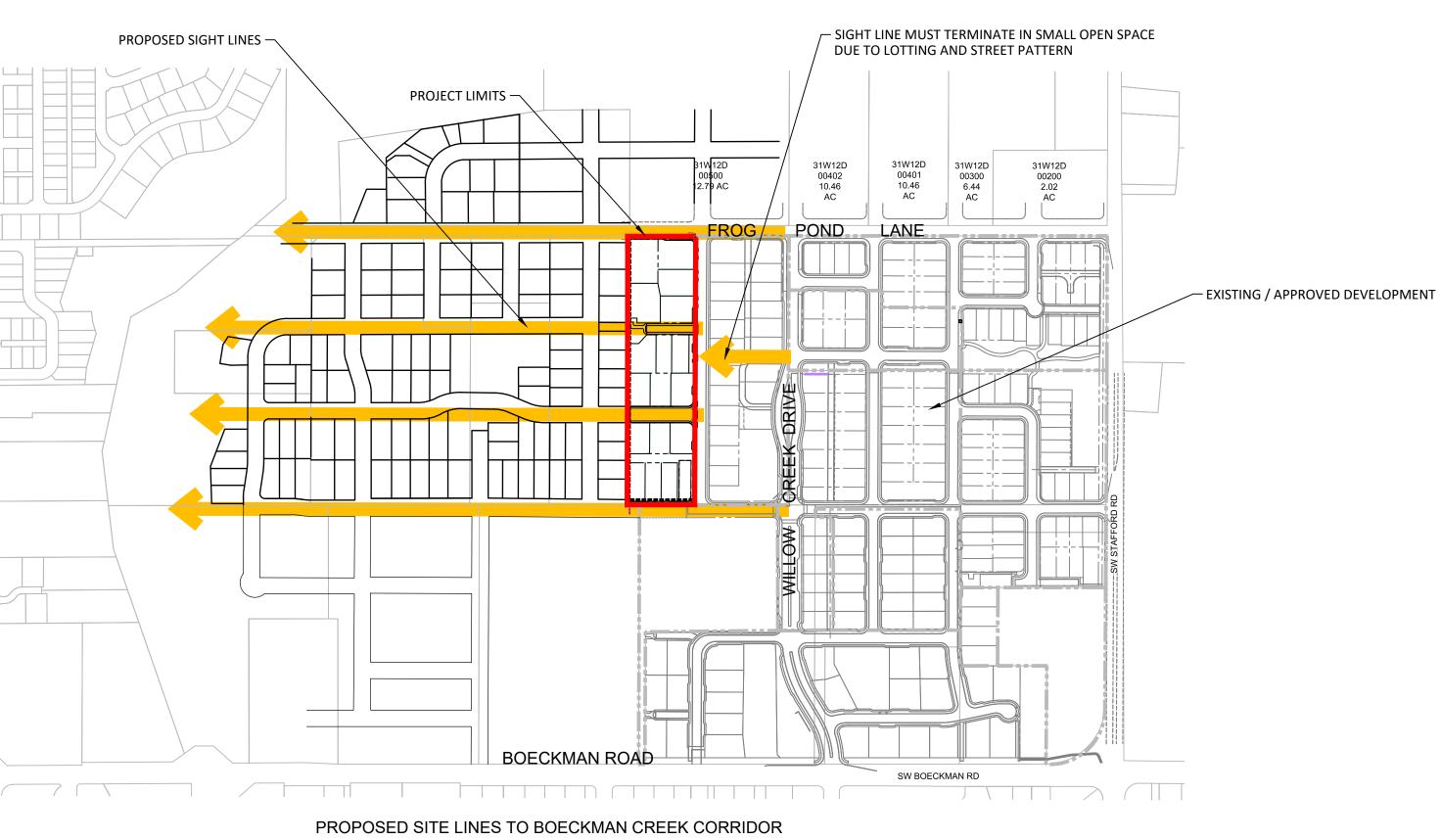


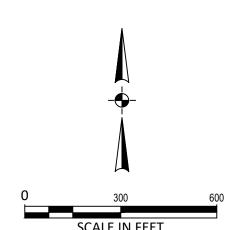
4.058



SITE LINES TO BOECKMAN CREEK CORRIDOR

PER FROG POND WEST MASTER PLAN







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



LAND DEVELOPMENT
CONSULTANT

FROG POND ESTATE
17 DETACHED SINGLE FAMILY LOTOTY OF WILSONVILLE, OREGON

SIGHT TITLE DESCRIPTION

REVISIONS

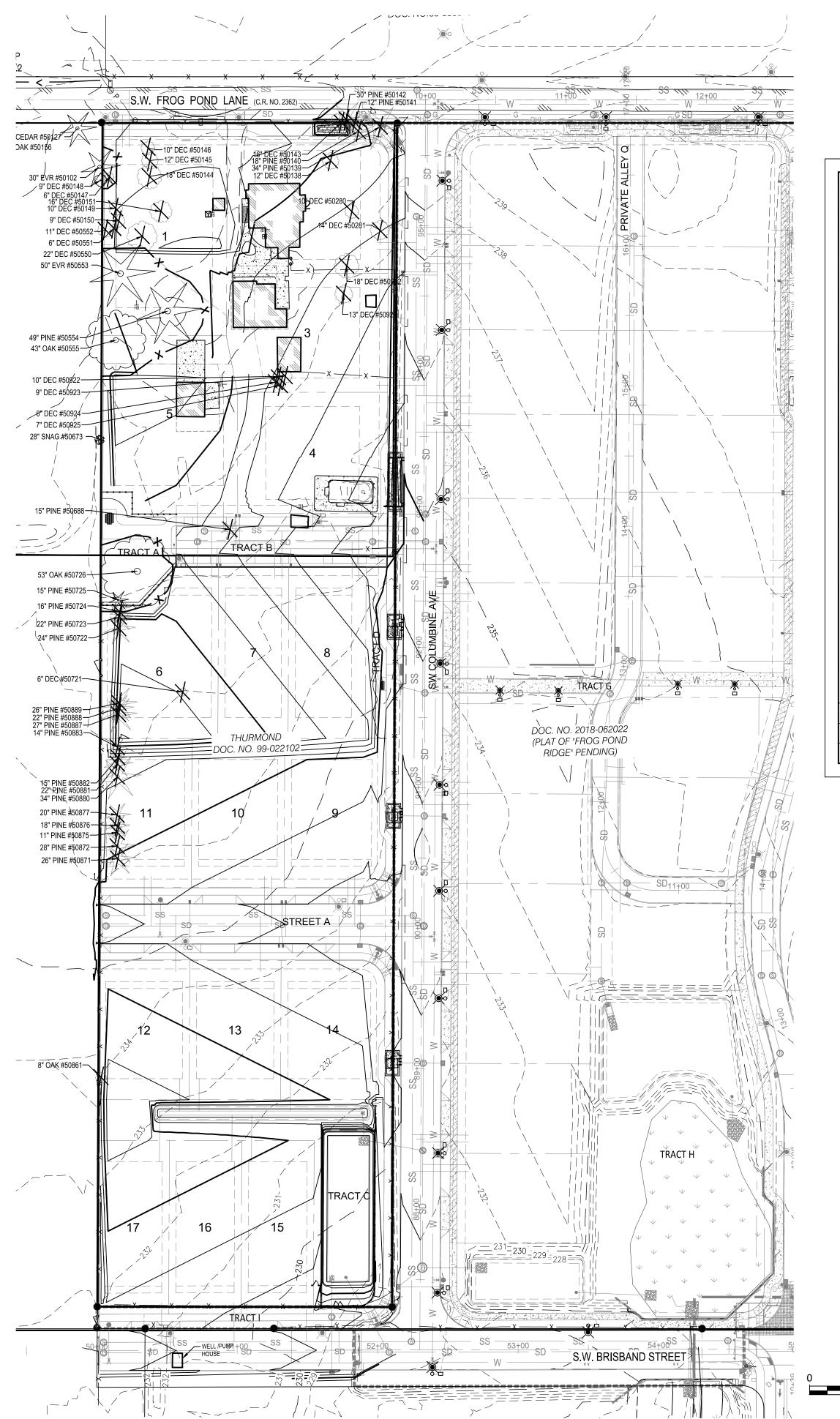
NAVD88 DATUM OTAK CAD

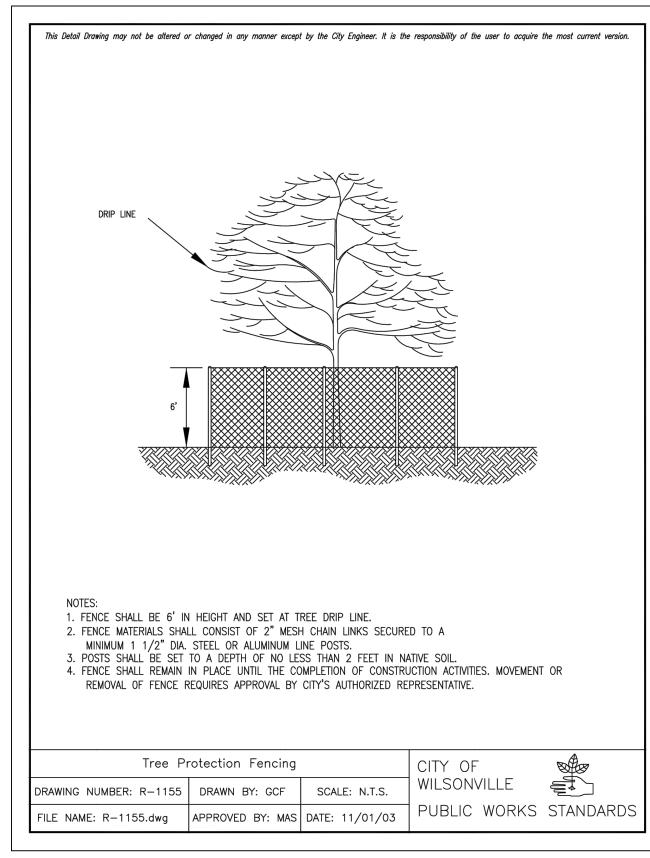
DRAWN BY CHECKED BY LAND USE SUBMITTAL

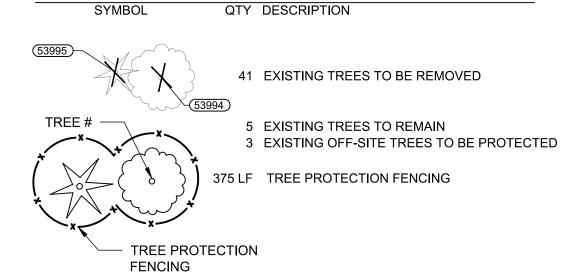
STATUS DECEMBER 30, 2021 DATE

PROJECT NUMBER

© 2021 OTAK, INC.







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

SCALE IN FEET

TREE PLAN LEGEND

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

- 1. ACTION ON TREE TABLES SUPERCEDES PLAN SHEETS. 2. TREES TO REMAIN TO HAVE TREE PROTECTION FENCING
- 3. NO MATERIAL STORAGE OR DUMPING OF ANY KIND SHALL

INSTALLED PER CITY OF WILSONVILLE STANDARD DRAWING ON THIS SHEET. OCCUR WITHIN THE DRIP LINE OF TREE.

7070 SW Frog Pond Ln.

50102 giant sequoia

50141 ponderosa pine

50142 ponderosa pine

50143 black locust

50145 black locust

50147 black locust

50148 black locust

50149 black locust

50150 black locust

50151 black locust

50550 black locust

50551 black locust

50552 | black locust

50555 Gary oak

50723 red pine

50724 red pine

50726 Gary oak

50725 red pine

50553 giant sequoia

50554 ponderosa pine

50688 ponderosa pine 50673 Gary oak

50280 apple

Frog Pond Estates

12/8/2021

RPZ Action topped with decay trunk within 10' of high voltage; over-trimmed suppressed, trimmed for high voltage trimmed for high voltage trimmed for high voltage over-crowding by ponderosa pine stand at high voltage Protect Remove Remove over-crowding healthy but spindly due to crowding; tag on tree is 50143 Remove topped with decay Remove topped with decay topped with decay structural weakness at grade; tag on tree is 50151 Remove Remove Remove structurally weak seam in trunk Protect healthy with vitality 4 Protect viable; in center of gravel turn around viable; minor trunk swoop Protect none Remove Remove windrow end of a windrow, under oak #50726 Remove

Portland Tree Consulting

Rating Explanation: 0/dead or hazard 1/decline 2/average 3/excellent

7070 SW Frog Pond Ln.

Frog Pond Estates

64 structural defect at main crotch below 8 ft. needs work

12/8/2021

Tag	Survey	Species	DВН	Rating	Cr. D	Remarks	RPZ	Action
	50861	Gary oak	8	3	12	property line tree	0	Remove
	50871	red pine	26	2	28	windrow	0	Remove
	50872	red pine	28	2	28	windrow	0	Remove
	50875	red pine	11	2	20	windrow	0	Remove
	50876	red pine	18	2	24	windrow	0	Remove
	50877	red pine	20	2	24	windrow	0	Remove
	50880	red pine	34	2	32	windrow	0	Remove
	50881	red pine	22	2	24	windrow	0	Remove
	50882	red pine	15	2	20	windrow	0	Remove
	50883	red pine	14	2	16	windrow	0	Remove
	50887	red pine	27	2	24	windrow	0	Remove
	50888	red pine	22	2	24	windrow	0	Remove
	50889	red pine	26	2	24	windrow	0	Remove
	50922	cottonwood	10	2	12	stump sprout thicket	0	Remove
	50923	cottonwood	9	2	12	stump sprout thicket	0	Remove
	50924	cottonwood	6	2	12	stump sprout thicket	0	Remove
	50925	cottonwood	7	2	12	stump sprout thicket	0	Remove
	50928	apple	13	1	20	topped with decay	0	Remove

RPZ mean root protection zone. This is a radius to the trunk measured in feet.

Cr. D = Crown Diameter or Canopy Spread Fieldwork done by Ryan Neumann, PN-5539A on 8/17/2020 and by Peter Torres, PN-0650B on 12/8/2021. Additional fieldwork done by Otak licensed surveyors for tree positions and DBH measurements at various times.

apple- Malus sylvestris

black locust- Robinia pseudoacacia cottonwood- Populus trichocarpa Gary oak- Quercus garreyana

giant sequoia- Sequoiadendron giganteum

ponderosa pine- Pinus ponderosae

red pine- Pinus rubra

Portland Tree Consulting

Rating Explanation: 0/dead or hazard 1/decline 2/average 3/excellent

Otak, Inc. 808 SW Third Avenue, Ste. 800 Portland, OR 97204

503. 287. 6825 www.otak.com

EXPIRES: 9/30/2022

STAMP

LAND DEVELOPMENT CONSULTANT

EST/ LE FAMII LE, ORE FROG POND I 17 DETACHED SINGLE CITY OF WILSONVILLE

TITLE # DATE DESCRIPTION

REVISIONS

NAVD88 DATUM OTAK CAD

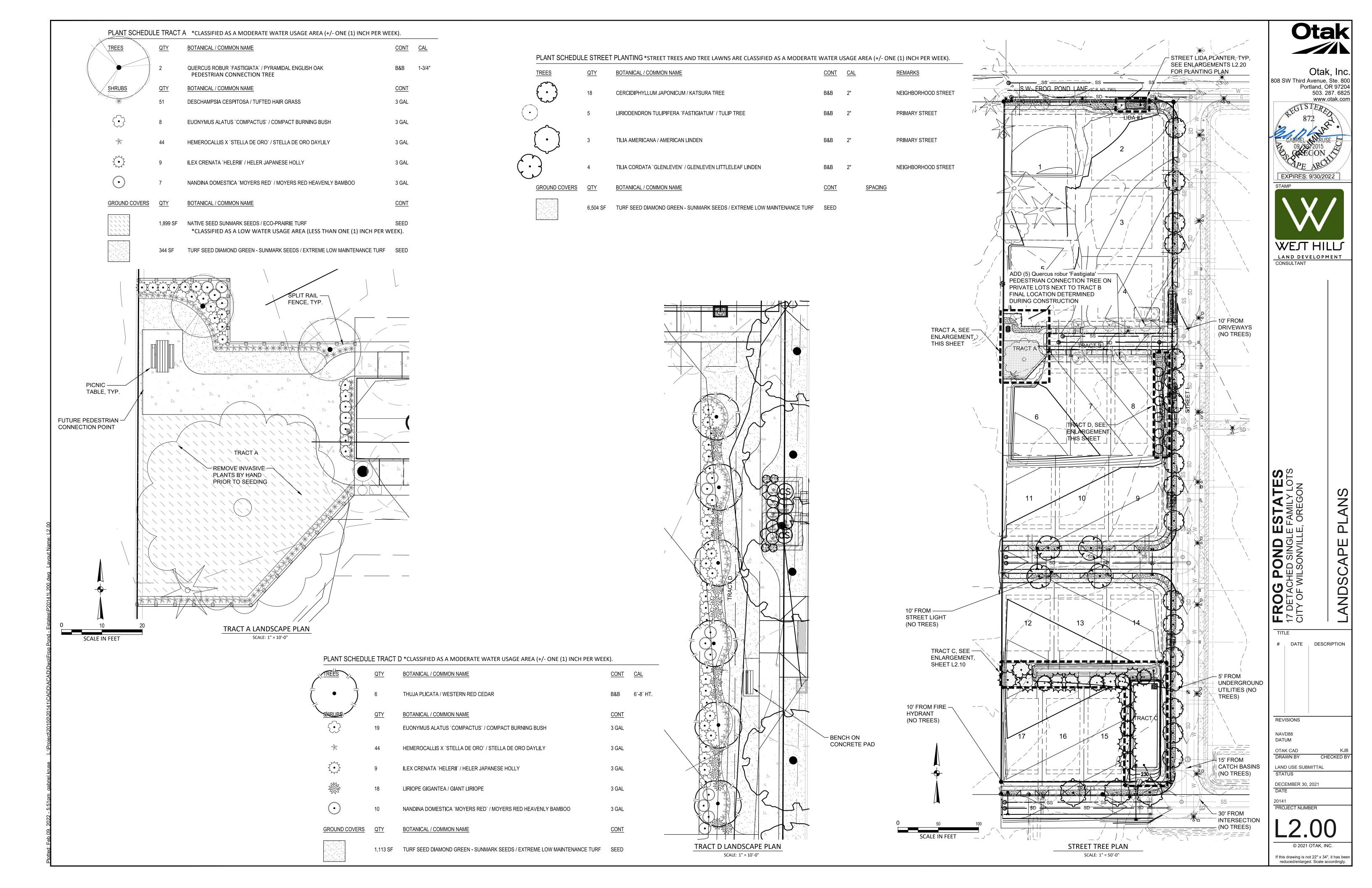
DRAWN BY LAND USE SUBMITTAL

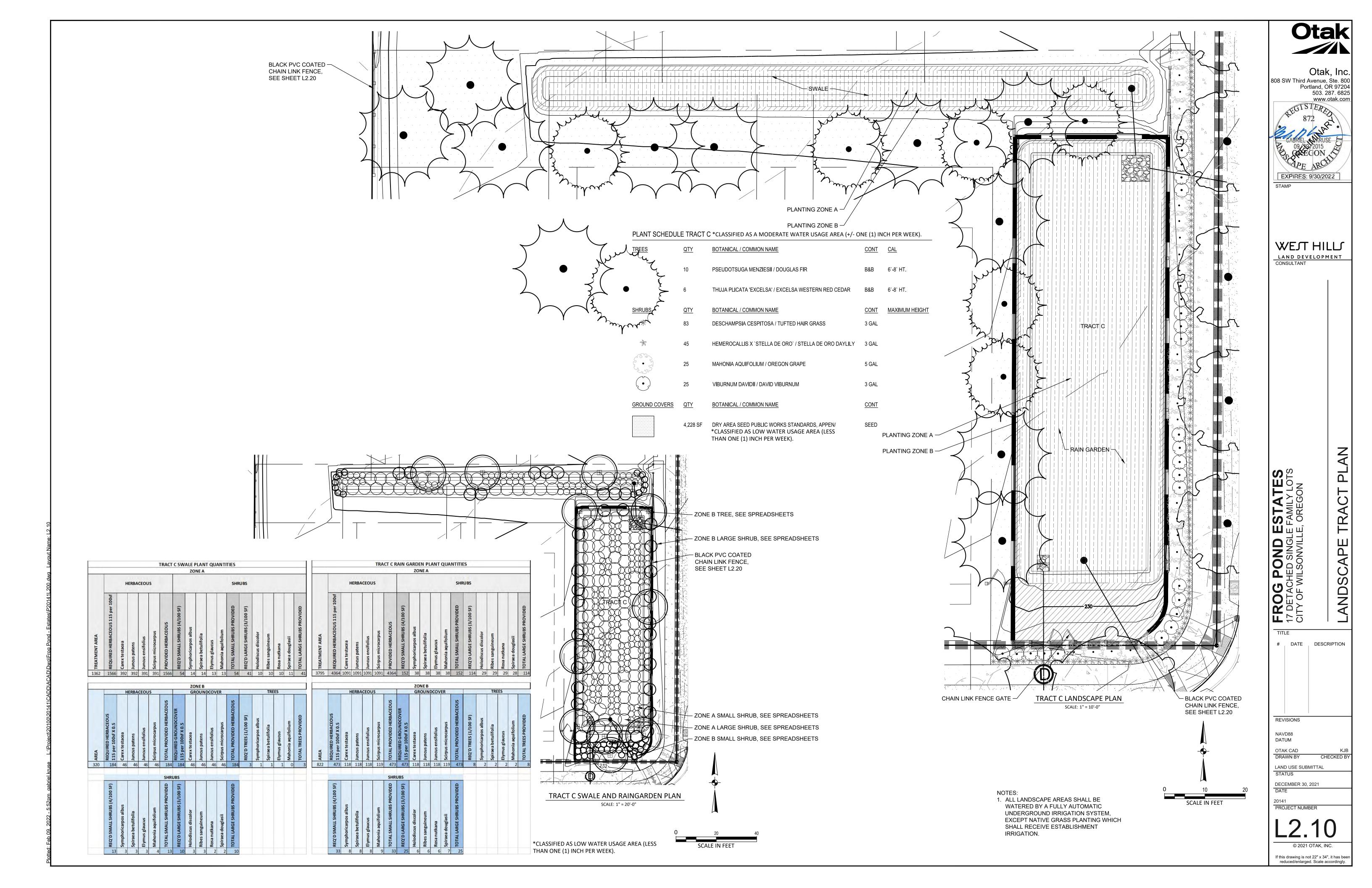
STATUS DECEMBER 30, 2021

PROJECT NUMBER

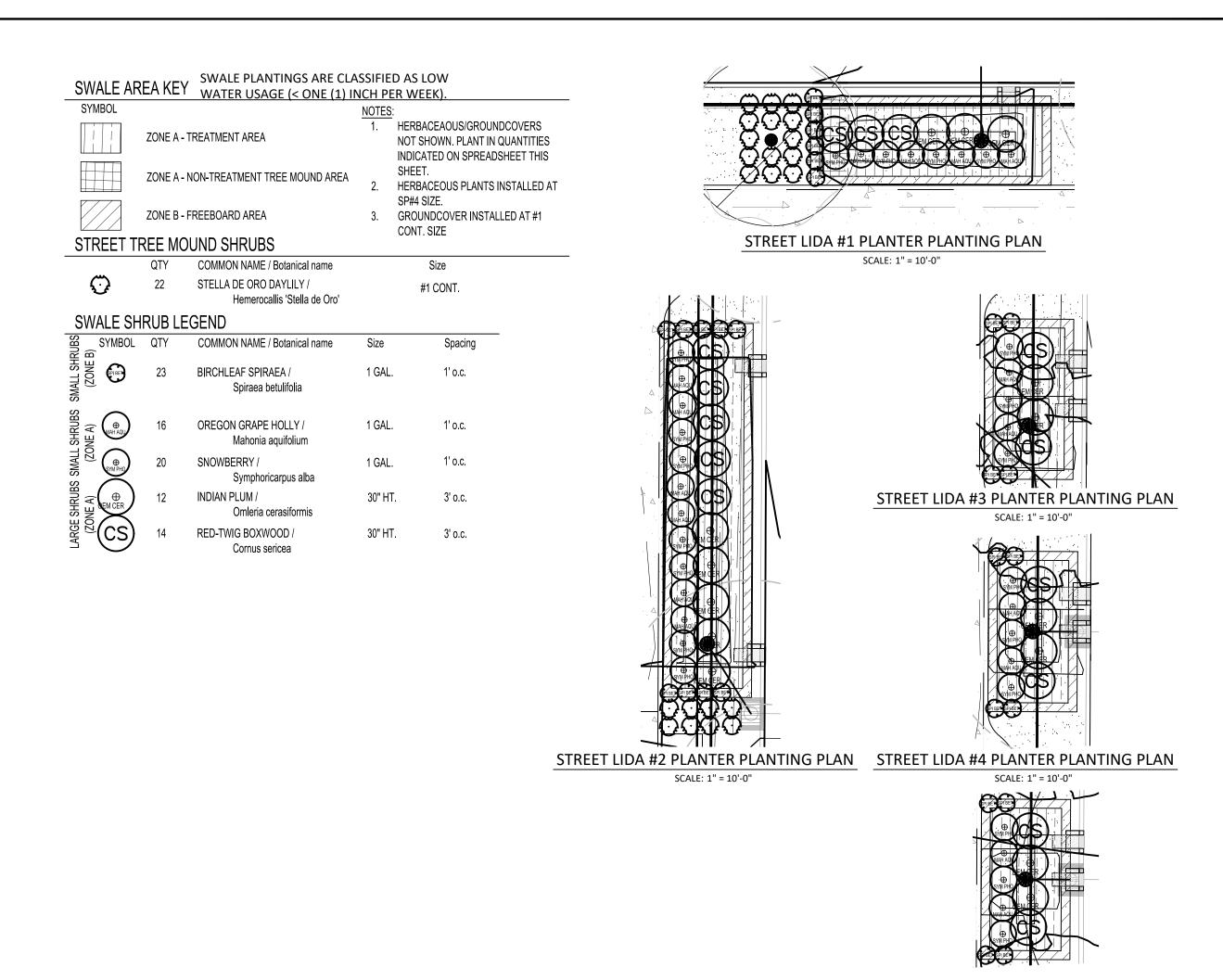
DATE

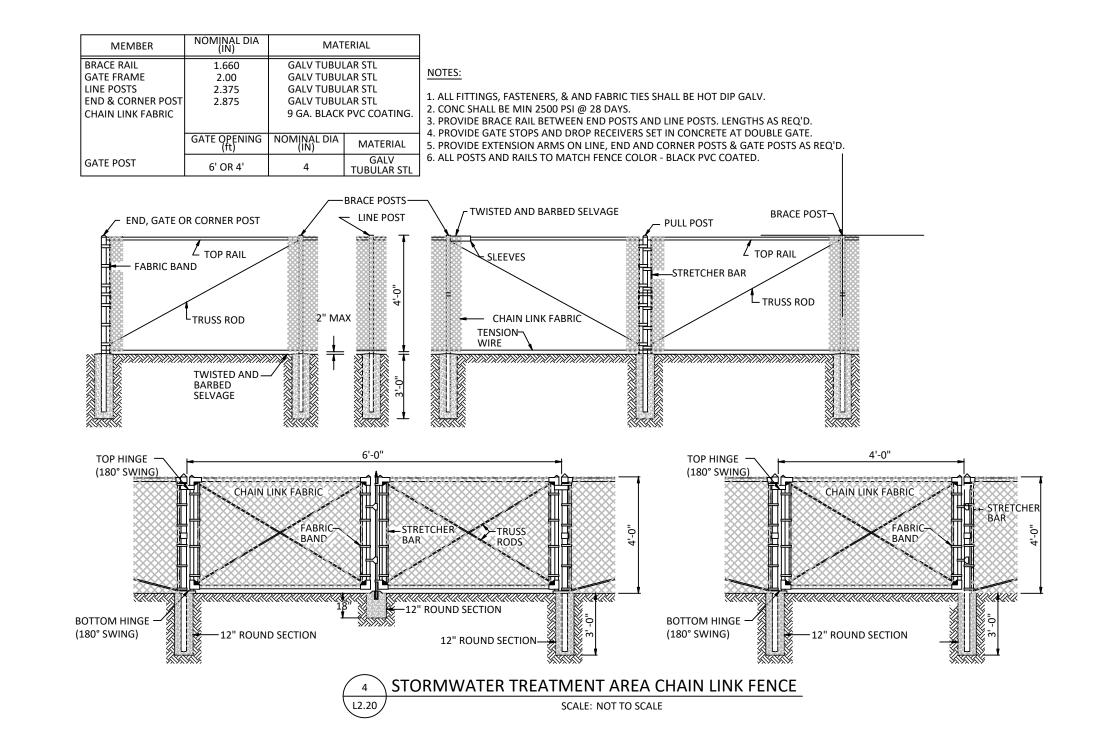
© 2021 OTAK, INC.

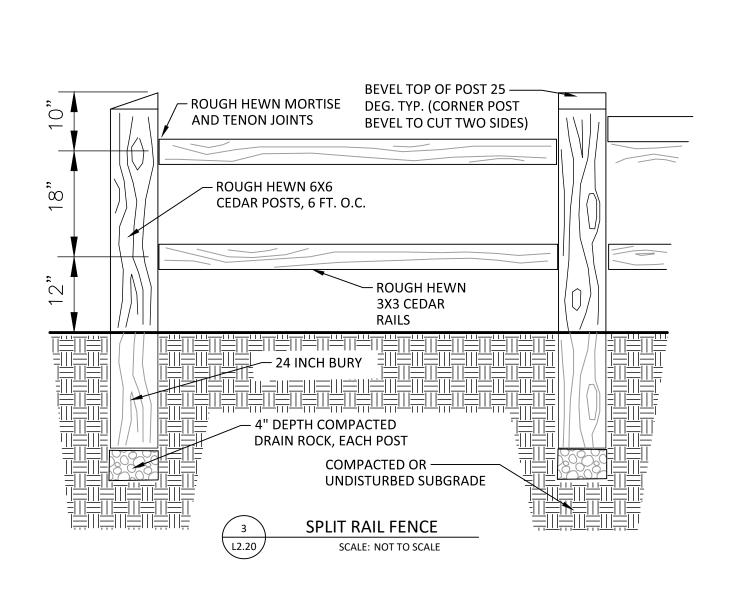


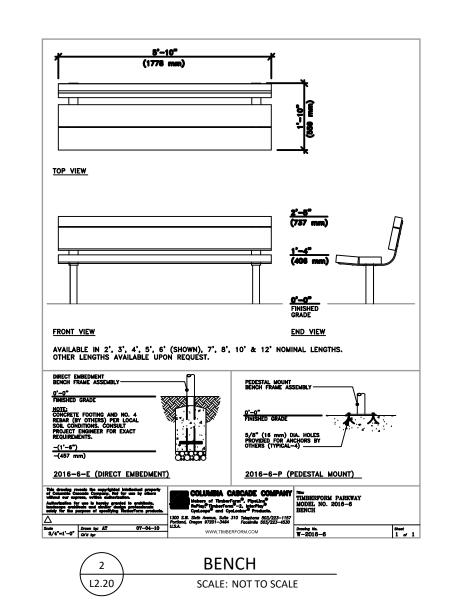


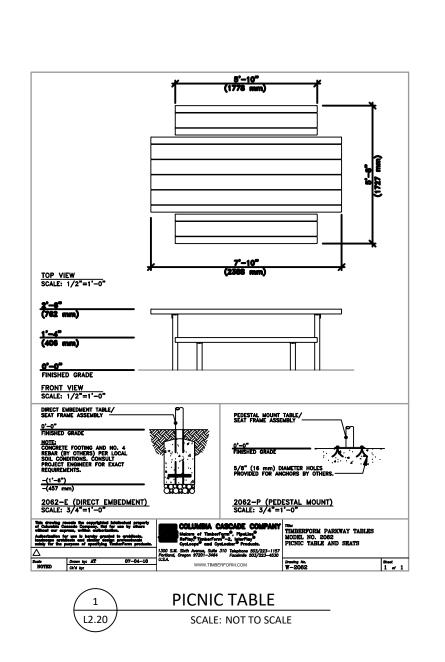
								F	ROG POI	ND EST	ATES VE	GETATED	SWAL	E PL/	ANT	QUA	NTIT	IES								
												ZONE													ZONE I	3
					ERBAC				GROUNE = TREAT AREA	MENT	SHF	RUBS					CEOU NT AI			GROUND = TREAT ARE/	MENT		RUBS		SHRUBS	GROUND- COVER
SWALE ID	STREET	TREATMENT AREA	REQUIRED HERBACEOUS 115 per 100sf	Carex testacea	Juncus patens	Juncus ensifolius	Scirpus microcarpus	PROVIDED HERBACEOUS	REQ'D GROUNDCOVER 115 per 100sf	ageria chilc	(4/100	REQ'D LARGE SHRUBS (3/100 SF)	NON-TREATMENT TREE MOUND AREA	REQUIRED HERBACEOUS 115 per 100sf	Carex testacea	Juncus patens	Juncus ensifolius	Scirpus microcarpus	PROVIDED HERBACEOUS	REQ'D GROUNDCOVER 115 per 100sf	Frageria 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 (115/100 SF)
LIDA #1	FROG POND	176	101	51	51	0	0	102	101	101	7	5	24	14	7	7	0	0	14	14	14	1	. 1	70	6	81
LIDA #2	STREET I	320	184	92	92	0	0	184	184	184	13	10	0	0	0	0	0	0	0	0	0	C	0	111	9	128
LIDA #3	STREET I	128	74	37	37	0	0	74	74	74	5	4	0	0	0	0	0	0	0	0	0	C	0	56	4	64
LIDA #4	STREET I	128	74	37	37	0	0	74	74	74	5	4	0	0	0	0	0	0	0	0	0	C	0	56	4	64
LIDA #5	STREET I	128	74	37	37	0	0	74	74	74	5	4	0	0	0	0	0	0	0	0	0	C	0	56	4	64
	TOTALS:		506	253	253	0	0	508	506	506	35	27		0	7	7	0	0	14	14	14	1	. 1	349	27	401











STREET LIDA #5 PLANTER PLANTING PLAN

SCALE: 1" = 10'-0"



Otak, Inc. 808 SW Third Avenue, Ste. 800 Portland, OR 97204

503. 287. 6825 www.otak.com 872 872 CABRIEL WRUSE 09/89/2015 QUEEGON

STAMP

WEST HILLS
LAND DEVELOPMENT

CONSULTANT

LANDSCAPE DETAILS

FROG POND ESTATES
17 DETACHED SINGLE FAMILY LOTS
CITY OF WILSONVILLE, OREGON

TITLE

DATE DESCRIPTION

REVISIONS

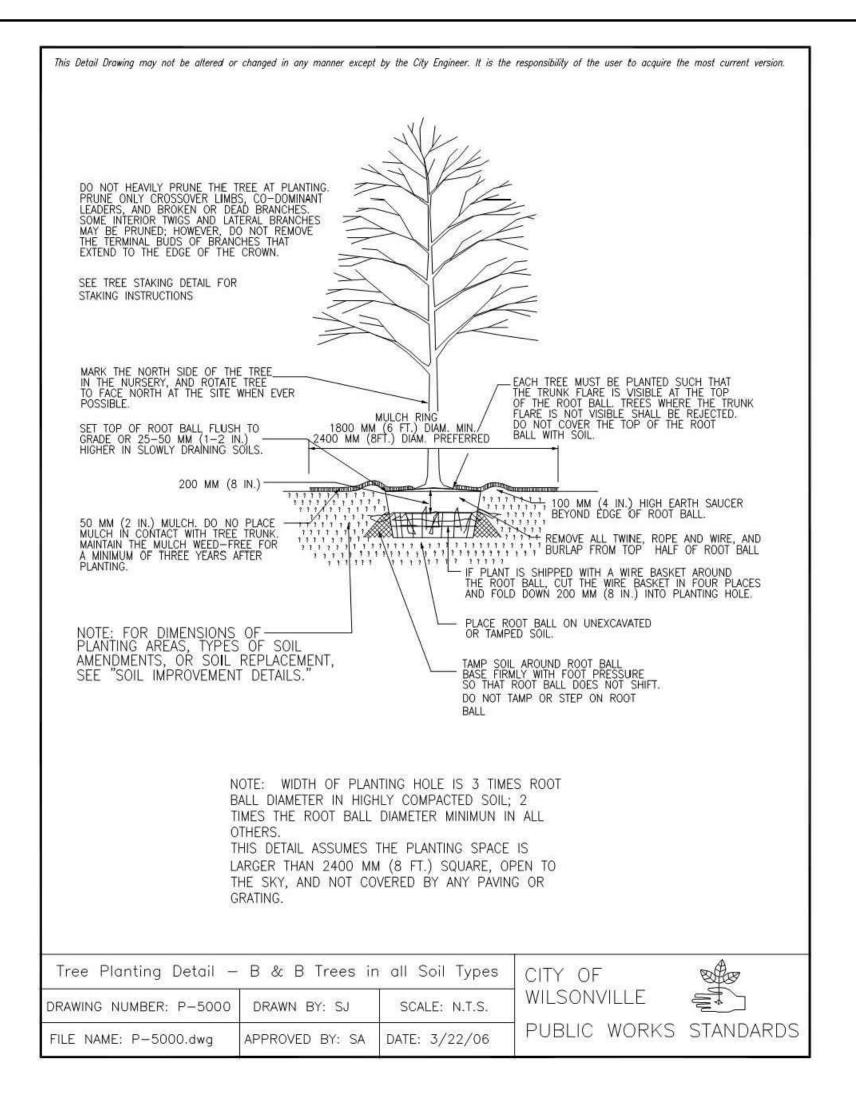
NAVD88

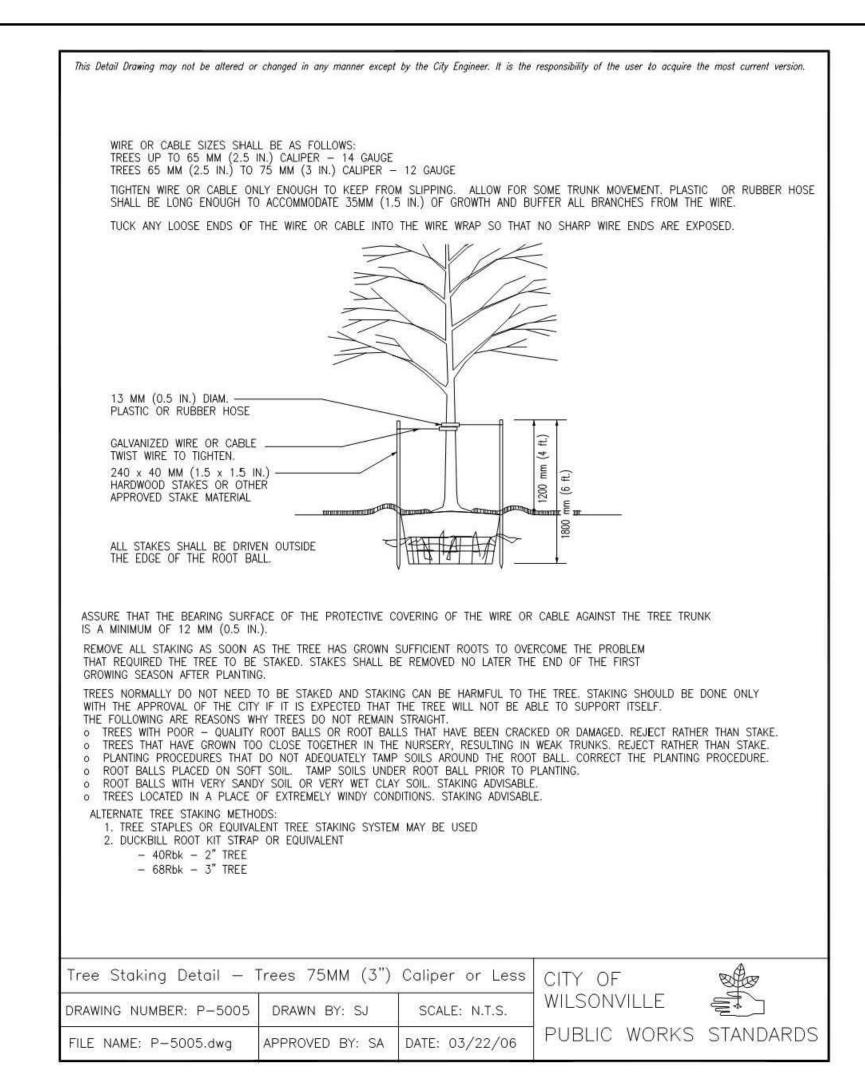
OTAK CAD
DRAWN BY
CHEC

LAND USE SUBMITTAL
STATUS
DECEMBER 30, 2021
DATE

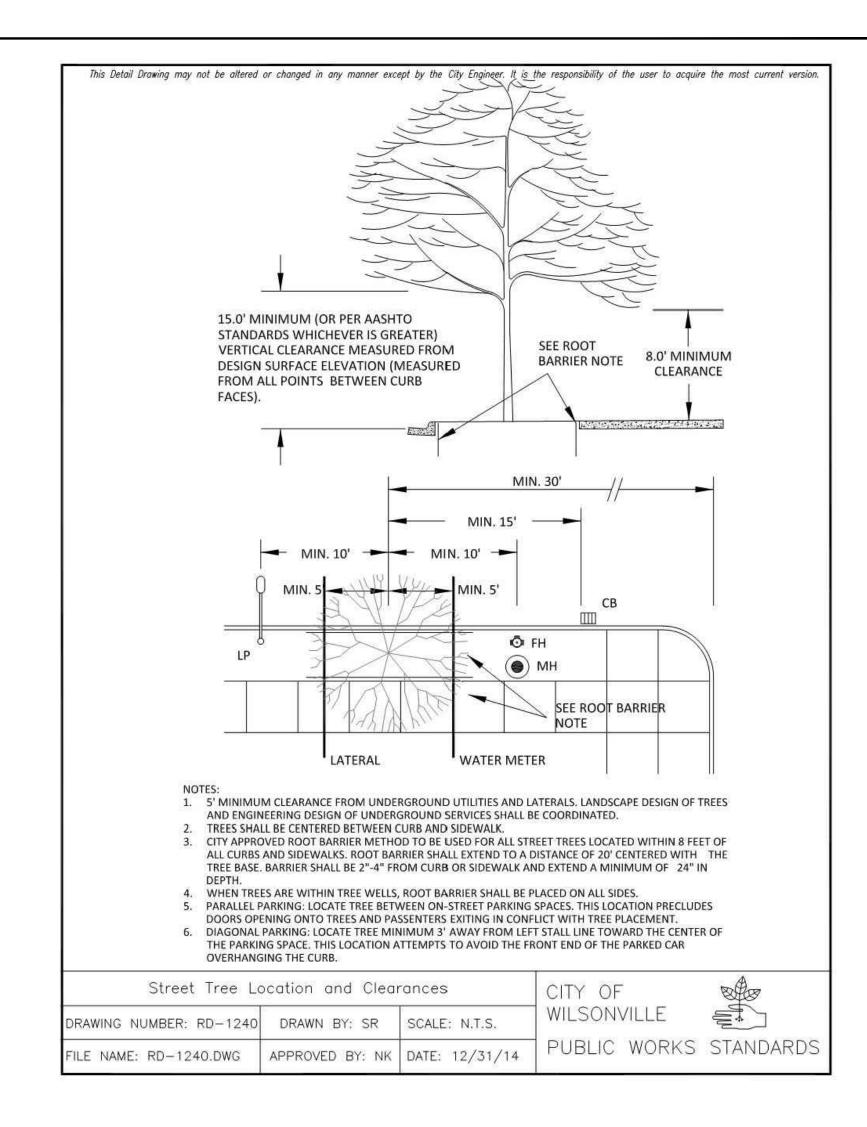
20141 PROJECT NUMBER

L2.20
© 2021 OTAK, INC.



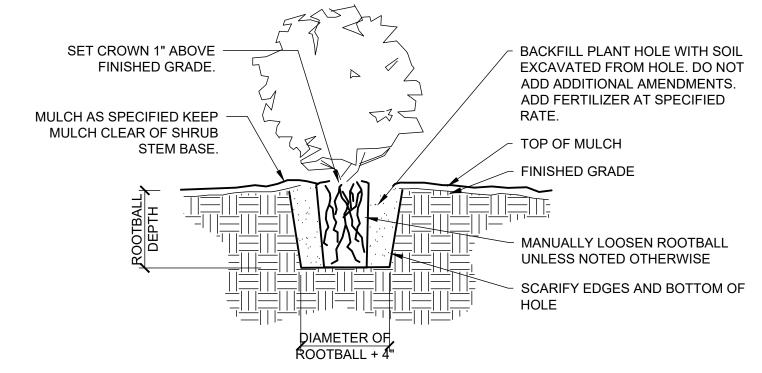


SHOVEL CUT BED EDGE

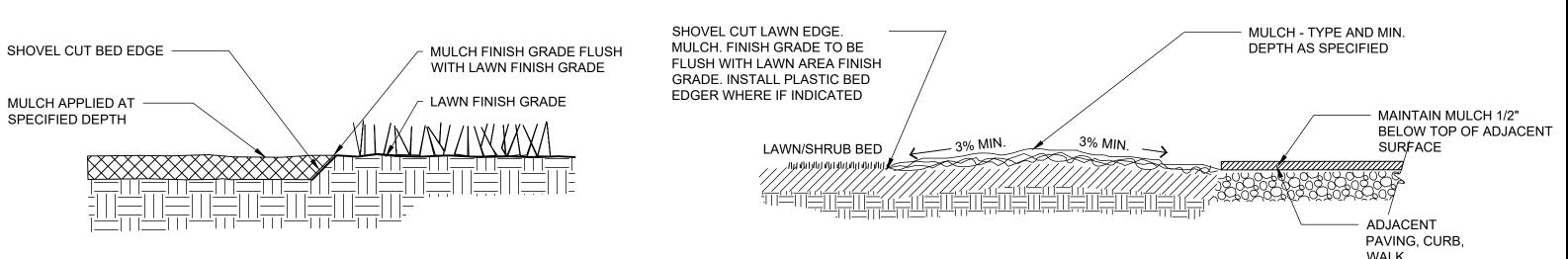


CONTRACTOR IS CAUTIONED THAT EXISTING UNDERGROUND FACILITIES OCCUR THROUGHOUT THE WORK AREAS INCLUDING BUT NOT LIMITED TO POWER, GAS, TELEPHONE, WATER SUPPLY, AND IRRIGATION. CONTRACTOR SHALL MARK THE FACILITIES BEFORE WORK, POTHOLE WHERE NECESSARY, AND PROTECT DURING CONSTRUCTION. IMMEDIATELY NOTIFY 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.
- 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.
- 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



SHRUB PLANTING DETAIL



SECTION - PLANT BED GRADING

EXPIRES: 9/30/2022 STAMP WEJT HILL LAND DEVELOPMENT CONSULTANT SAMI ORE OND D SINGE SONVILI 90 **T** 7 5 TITLE DATE DESCRIPTION REVISIONS NAVD88 DATUM OTAK CAD DRAWN BY LAND USE SUBMITTAL

STATUS

DECEMBER 30, 2021

PROJECT NUMBER

© 2021 OTAK, INC

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

Otak, Inc.

503. 287. 6825

www.otak.con

Portland, OR 97204

808 SW Third Avenue, Ste. 800

LIGHTING NOTES:

1. LIGHT POLES ALONG ALL ROADWAYS SHALL BE PER PGE APPROVED STREET LIGHTING EQUIPMENT:

MANUFACTURER:MANUFACTURER PRODUCT CODE:PGE NUMBER:HADCO WESTBROOKE POLE
WESTBROOKE POLE 4FT MAST ARMCP2871C
CA7897SU 40034
SU 90002579

2. LIGHT POLES ALONG ALL PATHS SHALL BE:

MANUFACTURER: CATALOG NUMBER: NOVA NP8050D13AB

3. POLE FOOTING SHALL BE PER CITY PUBLIC WORK STANDARD RD-1345 (PG4):

MANUFACTURER: CATALOG NUMBER:

OLDCASTLE PRECAST

20R-LB-4-PGE
7-LB-DGE (USE)

OLDCASTLE PRECAST 7-LB-PGE (USED FOR LIGHT POLES IN SWALES)

4. JUNCTION BOXES SHALL BE PER CITY PUBLIC WORK STANDARD RD-1325 AND RD-1345 (PG5):

"LIGHTING" SHALL BE IN THE LID MARKING AREA PER RD-1325.

5. WESTBROOKE LUMINAIRE FOR THE ROADWAY LIGHTING SHALL BE:

MANUFACTURER:MANUFACTURER PRODUCT CODE:PGE NUMBER:PHILIPS HADCOC7897GA-A3N73032A3NNNACU 1433

6. WESTBROOKE LUMINAIRE FOR THE PATHWAY LIGHTING SHALL BE:

MANUFACTURER: CATALOG NUMBER:

PHILIPS HADCO CXF14-32-G2-A-3-W-A-3-H (HOUSE SIDE SHIELD)

7. 7 PIN ADAPTER FOR CONTROLLER NODE. INSTALL SHORTING CAP IN PLACE OF NODE. THE PHOTOELECTRIC CONTROL SHALL BE PGE APPROVED TWISTLOCK, FAIL-ON, ELECTRONIC, 105-300 VAC, 60 HZ, PER ANSI136.10, BRONZE HOUSING, 1.5 LUMEN TURN-ON, RATED 1000 W TUNGSTON (1800 VA BALLAST), 1.5:1 TURN-OFF / TURN-ON RATION, SOLID BRASS PLUG BLADES, CONFORMALLY COATED CDS CELL, 160 JOULE MOV, 2-4 SEC. TURN-OFF DELAY. PGE APPROVED PHOTOELECTRIC CONTROLS ARE:

MANUFACTURER: CATALOG NUMBER: ACUITY BRANDS (DTL) D124-1.5-1704

3. 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 SHALL CONFORM TO P.G.E. OPTION "B" SPECIFICATIONS.
- 2. 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.
- 3. LOCATION OF ILLUMINATION CONDUITS AND JUNCTION BOXES ARE APPROXIMATE. CONTRACTOR SHALL COORDINATE WITH OTHER UTILITIES TO ENSURE PROPER INSTALLATION.
- 4. THE CONTRACTOR SHALL COORDINATE WORK WITH LISA GUARNERO OF PGE AT (503) 742-8299 TO COORDINATE POWER SERVICE CONNECTION FOR THE LIGHTING SYSTEM.

	LIGHTING TABLE							
	LIGHTING TABLE							
ROADWAY	CLASSIFICATION	LIGHT LEVEL (FC)	UNIFORMITY (AVE:MIN)					
SW COLUMBINE AVE @ FROG POND LN	LOCAL/COLLECTOR	RECOMMENDED	≥1.0	≤4:1				
INTERSECTION	LOCAL/COLLECTOR	DESIGN	1.1	2.1 : 1				
SW COLUMBINE AVE @ SW ALDER LN	LOCAL/LOCAL	RECOMMENDED	≥0.8	≤6:1				
INTERSECTION	LOCAL/LOCAL	DESIGN	0.8	2.1 : 1				
SW COLUMBINE AVE @ SW BRISBAND ST	LOCAL/LOCAL	RECOMMENDED	≥0.8	≤6:1				
INTERSECTION	LOCAL/LOCAL	DESIGN	0.9	2.3 : 1				
SW FROG POND LN	COLLECTOR	RECOMMENDED	≥0.6	≤4:1				
WEST LIMITS TO COLUMBINE AVE	COLLECTOR	DESIGN	0.7	2.3 : 1				
SW COLUMBINE AVE	LOCAL	RECOMMENDED	≥0.4	≤6:1				
FROG POND TO ALDER LN	LOCAL	DESIGN	0.6	3.2 : 1				
SW COLUMBINE AVE	LOCAL	RECOMMENDED	≥0.4	≤6:1				
ALDER LN TO BRISBAND ST	LOCAL	DESIGN	0.6	3.2 : 1				
ALLEY A	LOCAL	RECOMMENDED	≥0.4	≤6:1				
WEST LIMITS TO COLUMBINE AVE	LOCAL	DESIGN	0.7	2.2 : 1				
SW ALDER LN	LOCAL	RECOMMENDED	≥0.4	≤6:1				
WEST LIMITS TO COLUMBINE AVE	LOCAL	DESIGN	0.6	6.0 : 1				
SW BRISBAND ST	1001	RECOMMENDED	≥0.4	≤6:1				
WEST LIMITS TO COLUMBINE AVE	LOCAL	DESIGN	0.6	3.2 : 1				

				LUMINAIRE TA	ABLE					
POLE	DOADMAN	CTATION	DOLE CTVLE	DOLE TYPE		Ll		MOUNTING	ARM	
NUMBER	ROADWAY	STATION	POLE STYLE	POLE TYPE	WATT	TYPE	DISTRIBUTION	DIMMING	HEIGHT	LENGTH
1	SW FROG POND LN	7+72	WESTBROOK	DECORATIVE	35	LED	M-C-3	1.0	22'	4'
2	SW FROG POND LN	8+67	WESTBROOK	DECORATIVE	35	LED	M-C-3	1.0	22'	4'
3	SW FROG POND LN	9+58	WESTBROOK	DECORATIVE	35	LED	M-C-3	1.0	22'	4'
4	ALLEY A	-	WESTBROOK	DECORATIVE	35	LED	M-C-3	1.0	22'	4'
5	ALLEY A	-	WESTBROOK	DECORATIVE	35	LED	M-C-3	1.0	22'	4'
6	SW ALDER LN	-	WESTBROOK	DECORATIVE	35	LED	M-C-3	1.0	22'	4'
7	SW ALDER LN	-	WESTBROOK	DECORATIVE	35	LED	M-C-3	1.0	22'	4'
8	SW BRISBAND ST	50+52	WESTBROOK	DECORATIVE	35	LED	M-C-3	1.0	22'	4'
9	SW BRISBAND ST	51+60	WESTBROOK	DECORATIVE	35	LED	M-C-3	1.0	22'	4'





-ROG POND ESTATES

TITLE

DATE DESCRIPTION

REVISIONS

DRAWN BY CHECKED BY

PRELIMINARY

STATUS

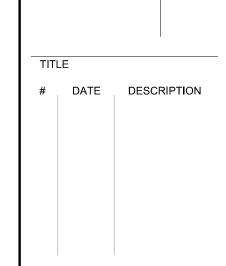
DECEMBER 16, 2021

27328
PROJECT NUMBER

| _ |

© 2018 OTAK, INC.

If this drawing is not 22" x 34", it has been



REVISIONS

DRAWN BY CHECK
PRELIMINARY
STATUS

DECEMBER 16, 2021

DATE

27328

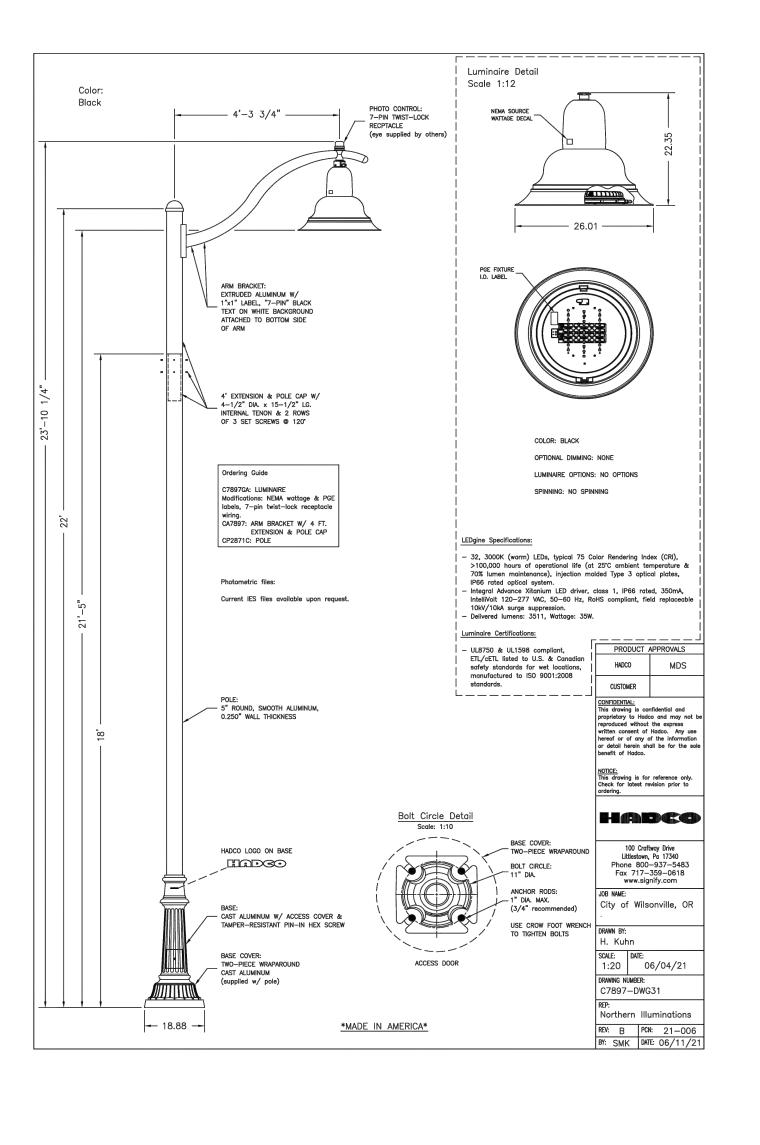
27328
PROJECT NUMBER

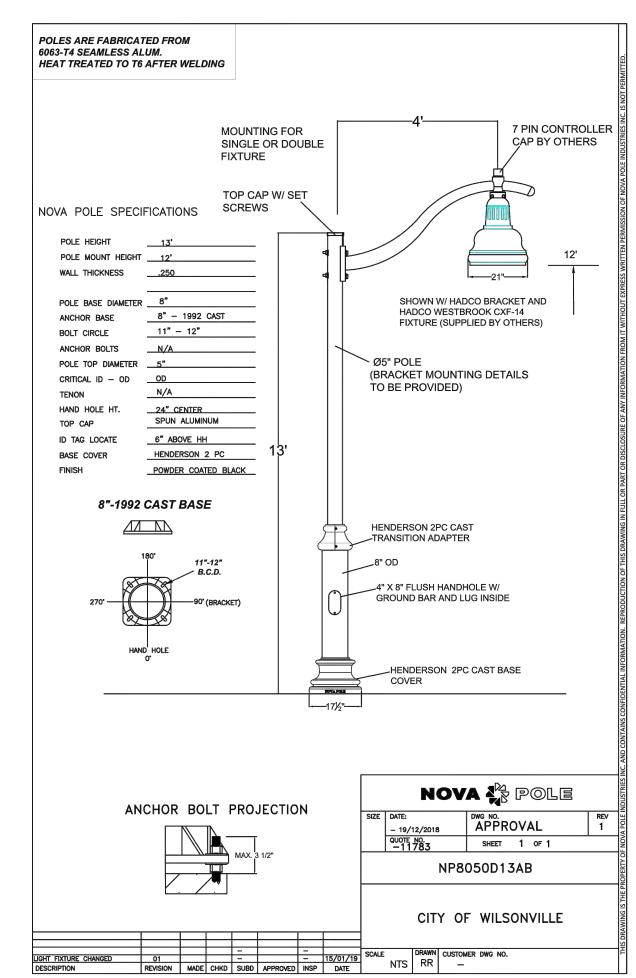
Preliminary
12/28/2021 9:13:12 AM

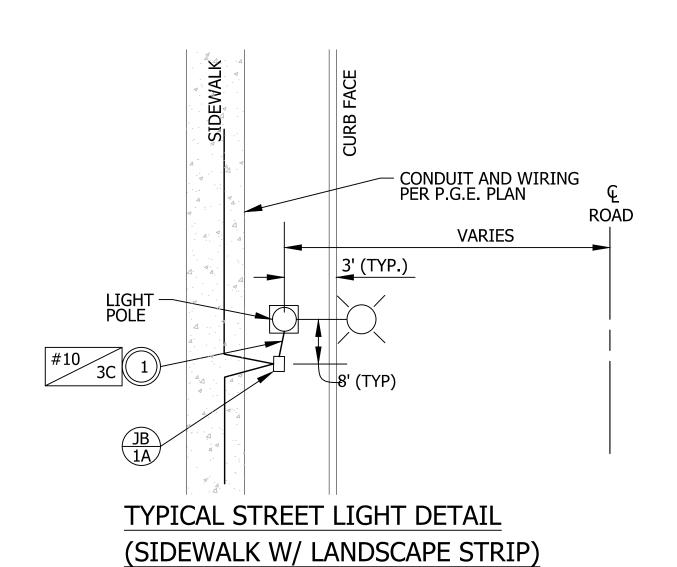
© 2018 OTAK, INC.

© 2018 OTAK, INC.

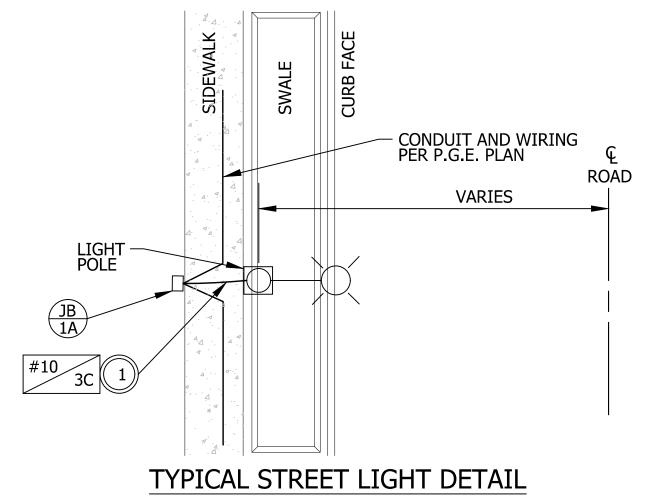
If this drawing is not 22" x 34", it has been reduced/eplarged, Scale accordingly.

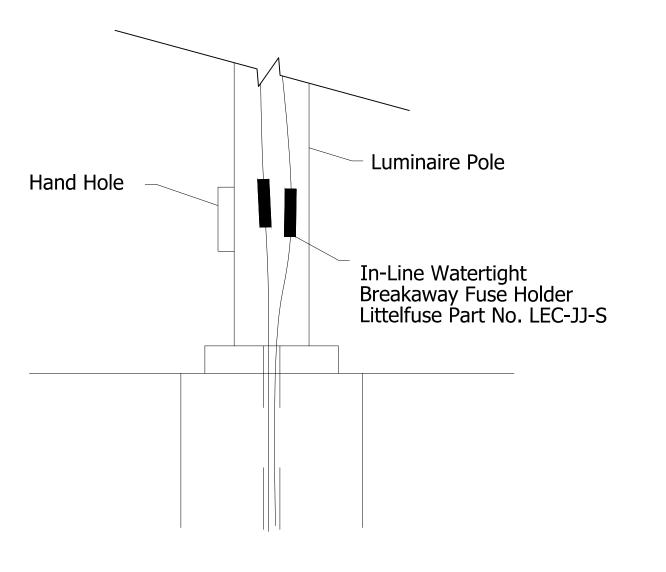






NOT TO SCALE





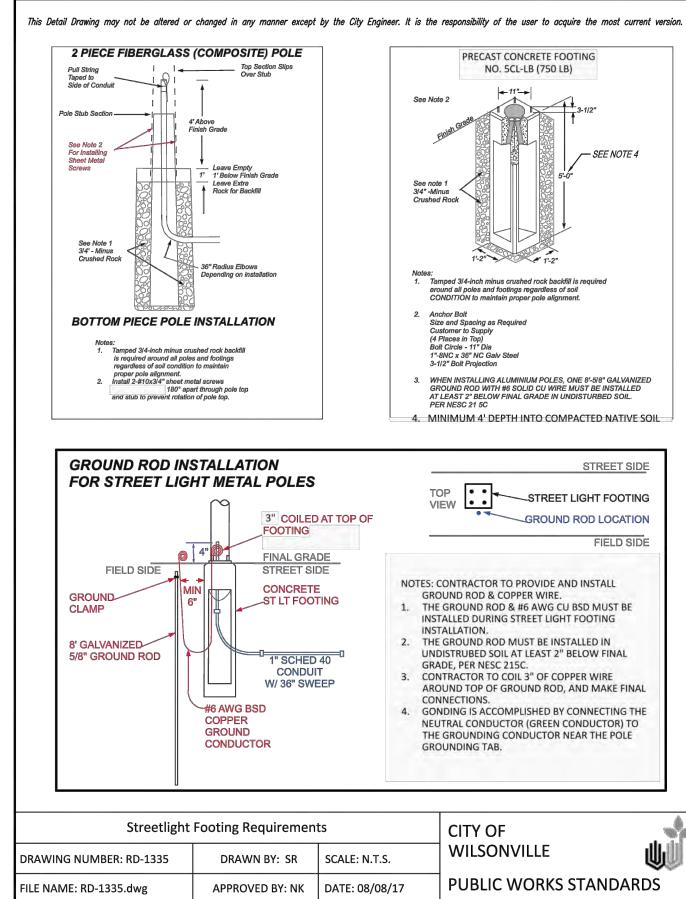
IN-LINE FUSED DISCONNECT

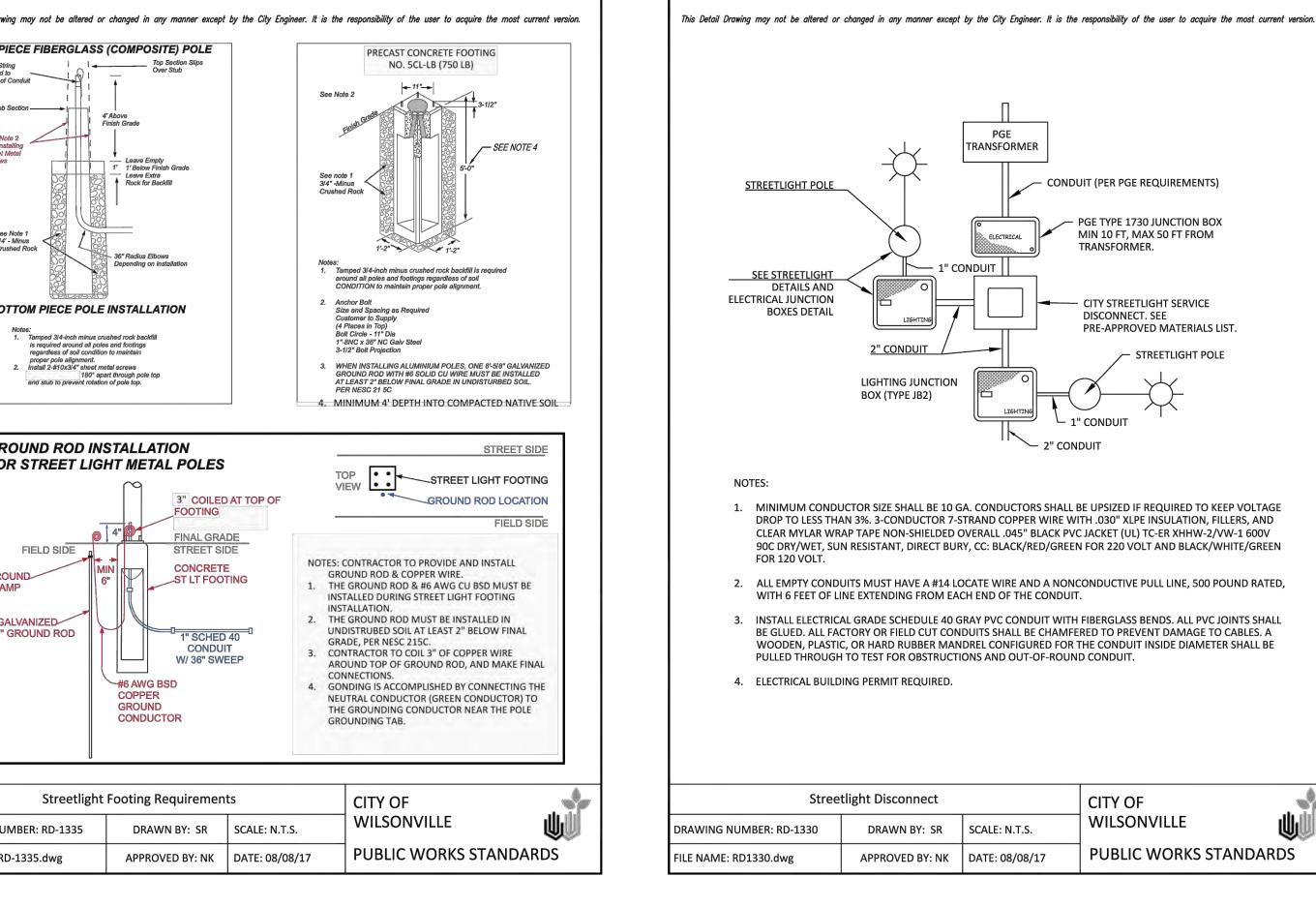
NOT TO SCALE

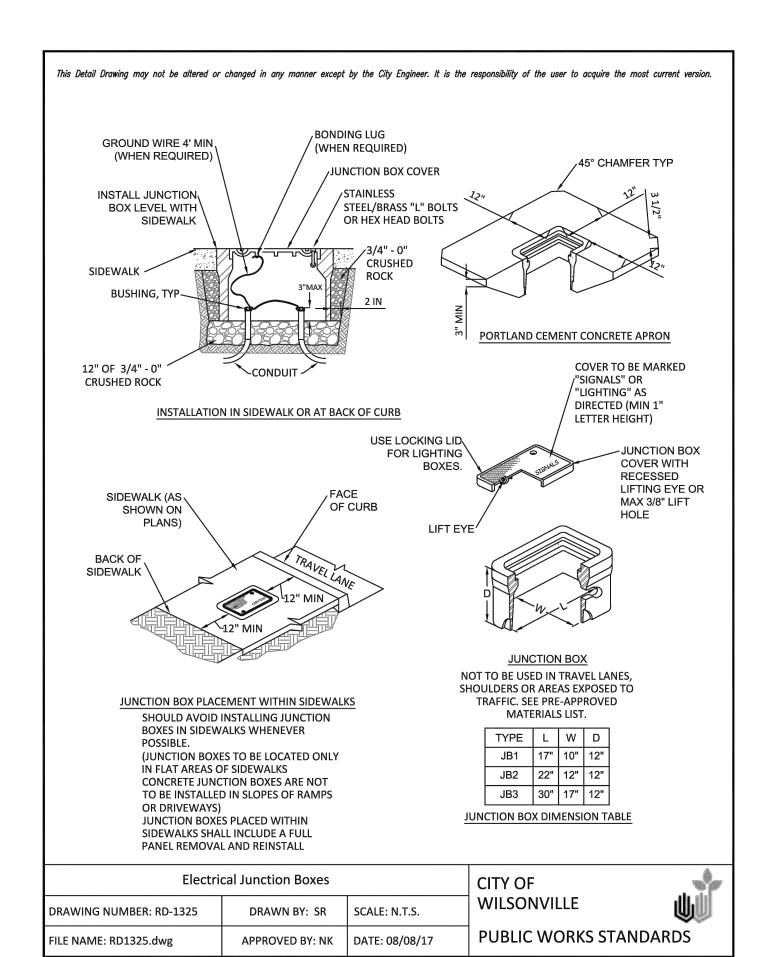
OT TO SCALE

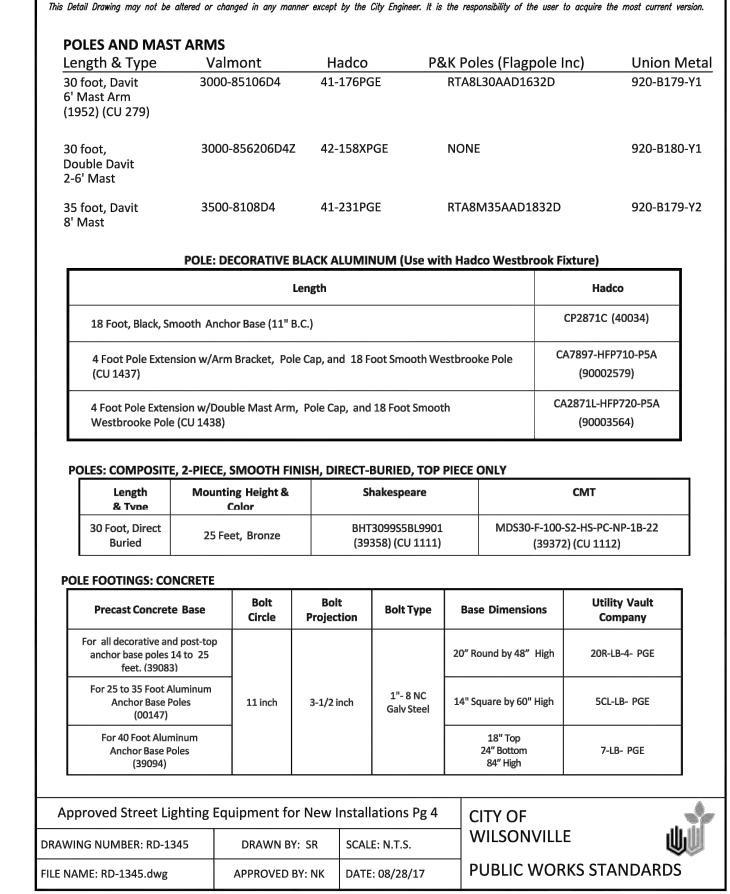
- ALL CONCRETE FOOTINGS NEED TO BE INSTALLED WITH TOP OF BASE FLUSH TO CURB/SIDEWALK.
- ALL CROSSINGS MUST EXTEND FROM PROPERTY LINE TO PROPERTY LINE. CROSSINGS TO BE 48 INCHES DEEP, MEASURED FROM FINAL GRADE.
- DIRECTIONAL BORING REQUIREMENTS: BLACK HDPE (HIGH DENSITY POLYETHELINE) DUCT OR SCHEDULE 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.
- 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 PUL 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.

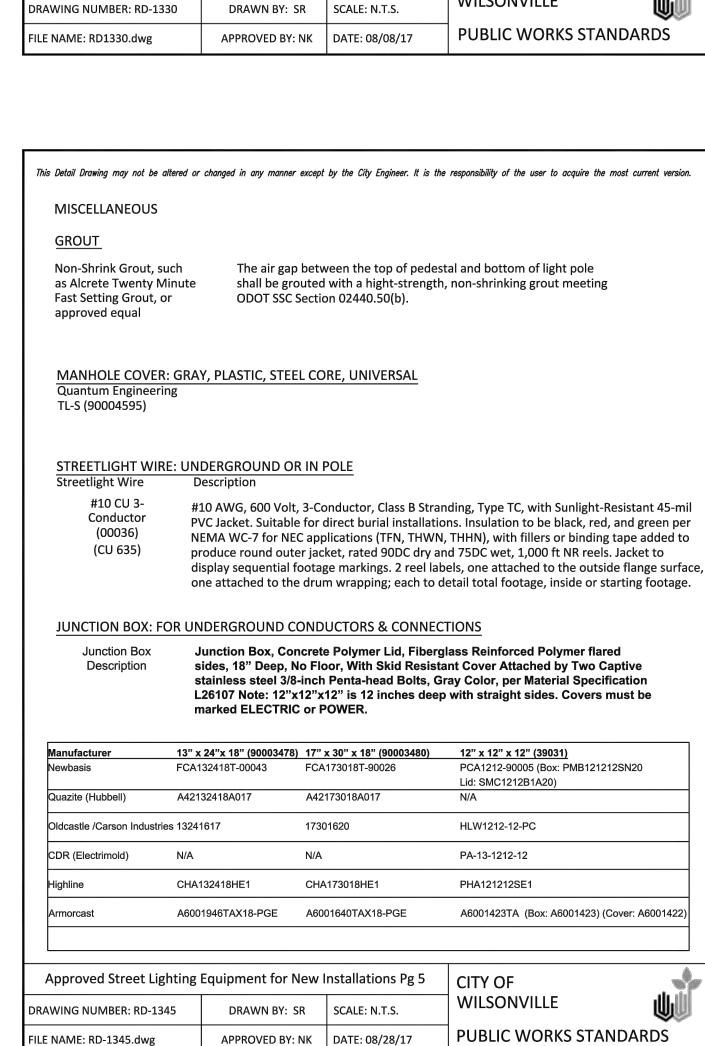
STREETLIGHT FOOTING REQUIREMENTS			CITY OF	
DRAWING NUMBER: RD-1340	DRAWN BY: SR	SCALE: N.T.S.	WILSONVILLE	₩₩
FILE NAME: RD-1340.dwg	APPROVED BY: NK	DATE: 08/08/17	PUBLIC WORKS STAND	ARDS















TITLE # DATE DESCRIPTION REVISIONS

JCH

DRAWN BY CHECKED BY **PRELIMINARY** STATUS **DECEMBER 16, 2021** DATE

ASY

27328 PROJECT NUMBER

© 2018 OTAK, INC.

If this drawing is not 22" x 34", it has been

SW BRISBAND ST





ROG POND ESTATES

TITLE
DATE DESCRIPTION

DATE DESCRIPTION

REVISIONS

Preliminary
12/28/2021 9:13:24 AM

JCH ASY

DRAWN BY CHECKED

PRELIMINARY

STATUS

DECEMBER 16, 2021

DATE

27328
PROJECT NUMBER

IL-4