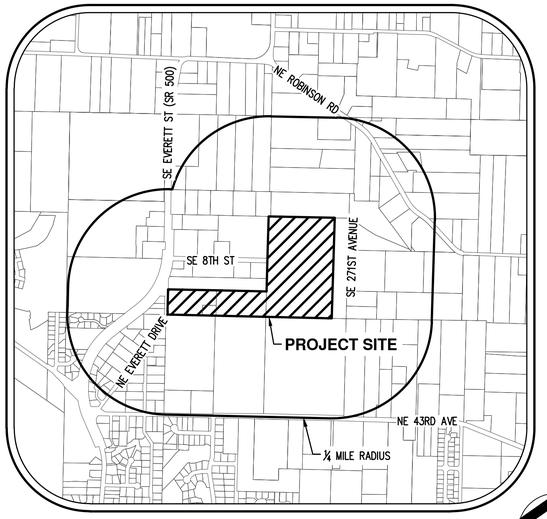
4. Proposed Development Plans (Reduced)

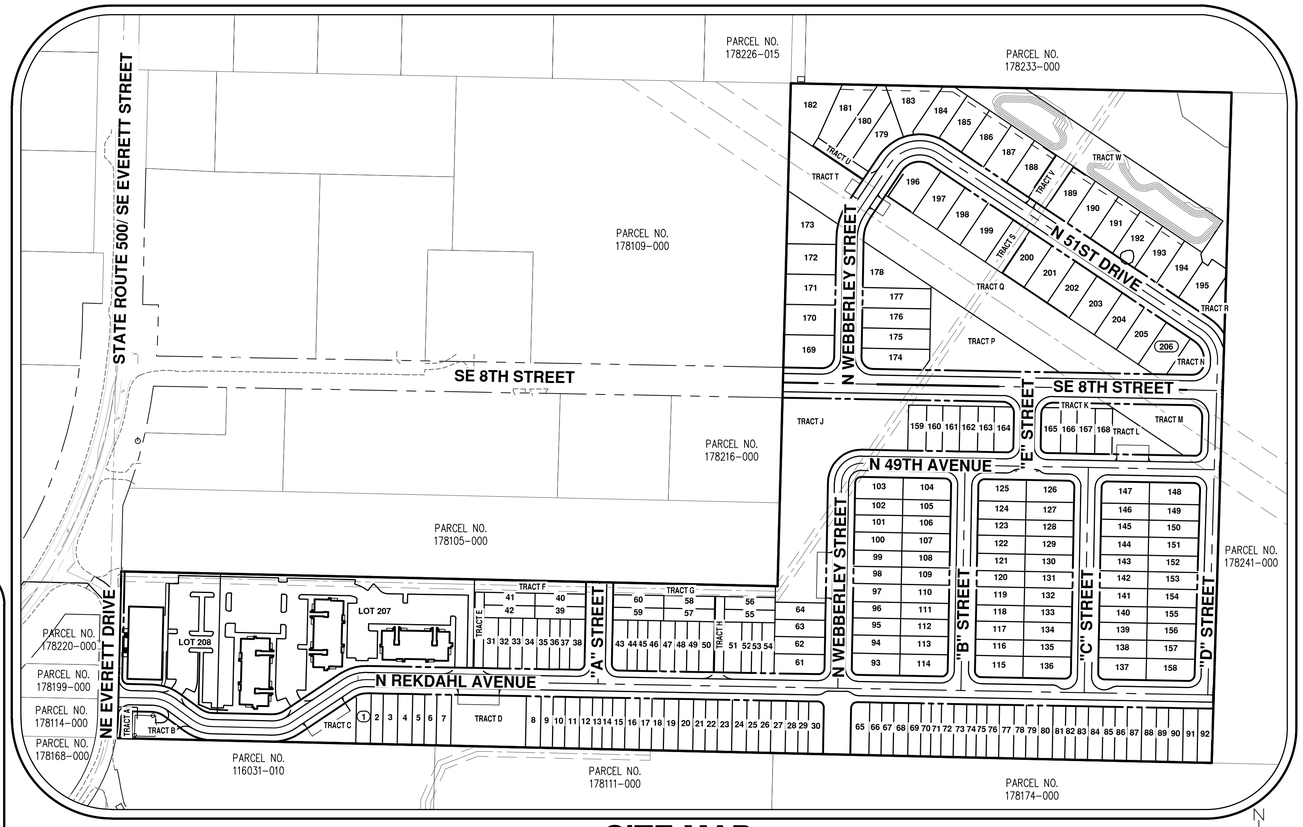
CAMAS WOODS

PRELIMINARY ENGINEERING/SITE/SUBDIVISION PLANS



VICINITY MAP

N.T.S.



SITE MAP

N.T.S.

LEGEND

	EXISTING	PROPOSED		EXISTING	PROPOSED
DECIDUOUS TREE			STORM DRAIN CLEAN OUT		
CONIFEROUS TREE			STORM DRAIN CATCH BASIN		
FIRE HYDRANT			STORM DRAIN AREA DRAIN		
WATER BLOWOFF			STORM DRAIN MANHOLE		
WATER METER			GAS METER		
WATER VALVE			GAS VALVE		
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SANITARY SEWER CLEAN OUT			POWER VAULT	P	P
SANITARY SEWER MANHOLE			POWER JUNCTION BOX		
SIGN			POWER PEDESTAL		
STREET LIGHT			COMMUNICATIONS VAULT	C	C
MAILBOX	MB	MB	COMMUNICATIONS JUNCTION BOX		
			COMMUNICATIONS RISER		

	EXISTING	PROPOSED
RIGHT-OF-WAY LINE		
BOUNDARY LINE		
PROPERTY LINE		
CENTERLINE		
DITCH		
CURB		
EDGE OF PAVEMENT		
EDGE OF PAVEMENT		
EASEMENT		
FENCE LINE		
GRAVEL EDGE		
POWER LINE	PWR	PWR
OVERHEAD WIRE	OHW	OHW
COMMUNICATIONS LINE	COM	COM
FIBER OPTIC LINE	CFO	CFO
GAS LINE	GAS	GAS
STORM DRAIN LINE	STM	STM
SANITARY SEWER LINE	SAN	SAN
WATER LINE	WAT	WAT
RECLAIMED WATER LINE	NPWAT	NPWAT

SHEET INDEX

APPLICANT

CAMAS WOODS, LLC
CONTACT: ANDY SWANSON
19120 SE 34TH STREET SUITE #103
VANCOUVER, WA 98683
PH: (503) 936-8514
EMAIL: ANDY@HSR-CAPITAL.COM

OWNERS

DONALD A. REKDAHL &
SHIRLEY M. REKDAHL, TRUSTEES
921 SE GARDNER RD
CAMAS, WA 98607

CAMAS WOODS, LLC
CONTACT: ANDY SWANSON
19120 SE 34TH STREET SUITE #103
VANCOUVER, WA 98683

CONTACT/ENGINEERING/ PLANNING/SURVEYING/ LANDSCAPE ARCHITECT

AKS ENGINEERING & FORESTRY, LLC.
CONTACT: MICHAEL ANDREOTTI
9600 NE 126TH AVENUE, SUITE 2520
VANCOUVER, WA 98682
PH: 360-882-0419
FAX: 360-882-0426
E-MAIL: ANDREOTTIM@AKS-ENG.COM

PROPERTY DESCRIPTION

LOCATED IN THE SOUTHEAST 1/4 OF SECTION 35, TOWNSHIP 2 NORTH RANGE 3 EAST, WILLAMETTE MERIDIAN, CLARK COUNTY, WASHINGTON. PROPERTY SERIAL NO.'S 178140-000, 178108-000, 178169-000 & 178159-000.

EXISTING LAND USE

UNDEVELOPED LAND ZONED HD-NS & POS-NS (178140-000) AND EXISTING SINGLE FAMILY RESIDENTIAL ZONED MX-NS AND HD-NS (178108-000, 178169-000 & 178159-000)

PROJECT PURPOSE

PHASED MIXED USE SUBDIVISION WITH 206 LOT SINGLE-FAMILY RESIDENTIAL UNITS, MIXED USE WITH 88 APARTMENTS AND ASSOCIATED ROADS AND OTHER SITE IMPROVEMENTS.

SITE AREA

36.37 AC (1,584,277 SF)

VERTICAL DATUM

VERTICAL DATUM: ELEVATIONS ARE BASED ON CLARK COUNTY BENCHMARK NO. 240, LOCATED AT THE NE CORNER OF STATE ROUTE 500 (EVERETT STREET) AND 23RD AVENUE. ELEVATION = 213.07 FEET (NGVD 29(47)).

PROPERTY LOCATION

920 SE GARDNER RD, CAMAS, WA 98607 &
921 SE GARDNER RD, CAMAS, WA 98607

AKS ENGINEERING & FORESTRY, LLC
9600 NE 126TH AVE, STE 2520
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ENGINEERING · SURVEYING · NATURAL RESOURCES
FORESTRY · PLANNING · LANDSCAPE ARCHITECTURE

COVER SHEET
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

PRELIMINARY NOT FOR CONSTRUCTION
BRYCE D. HILLEARY
STATE OF WASHINGTON
PROFESSIONAL ENGINEER

JOB NUMBER:	8397
DATE:	11/1/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P1.0

NOTES

1. UTILITIES SHOWN ARE BASED ON UNDERGROUND UTILITY LOCATE MARKINGS AS PROVIDED BY OTHERS, PROVIDED PER UTILITY LOCATE TICKET NUMBERS 23334122, 23334123, 2334124, 2334125, 2334128, 23423747, 2342379, 23423753, 23423774, AND 23470865, RECORD DRAWINGS PROVIDED BY OTHERS, AND ABOVE GROUND UTILITIES OBSERVED IN THE PROCESS OF THIS SURVEY. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND LOCATES REPRESENT THE ONLY UTILITIES IN THE AREA. CONTRACTORS ARE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
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9. WETLAND BOUNDARIES SHOWN WERE DELINEATED BY ECOLOGICAL LAND SERVICES, INC. ON OCTOBER 20, 2022 AND WERE PROFESSIONALLY SURVEYED BY AKS ON NOVEMBER 28, 2023.

EXISTING LAND USE NOTES

1. THE SITE CONSISTS OF PARCELS 178159-000, 178169-000, 178108-000, 178140-000.
2. TOTAL SITE AREA IS 36.37 ACRES (1,584,277 SQUARE FEET)
3. REFERENCE TREE PLAN ON SHEETS P5.0–P5.8 FOR TREE INVENTORY AND NOTES.
4. ACCORDING TO CLARK COUNTY HEALTH DEPARTMENT, NO WELLS EXIST ON-SITE.
5. ALL EXISTING STRUCTURES WILL BE REMOVED WITH DEVELOPMENT.
6. NO SIDEWALKS EXIST ON SITE OR ALONG THE SITE FRONTAGE.
7. THE NEAREST FIRE HYDRANTS ARE LOCATED ADJACENT TO THE SITE ALONG SE EVERETT DRIVE AND STATE ROAD 500 / SE EVERETT STREET.
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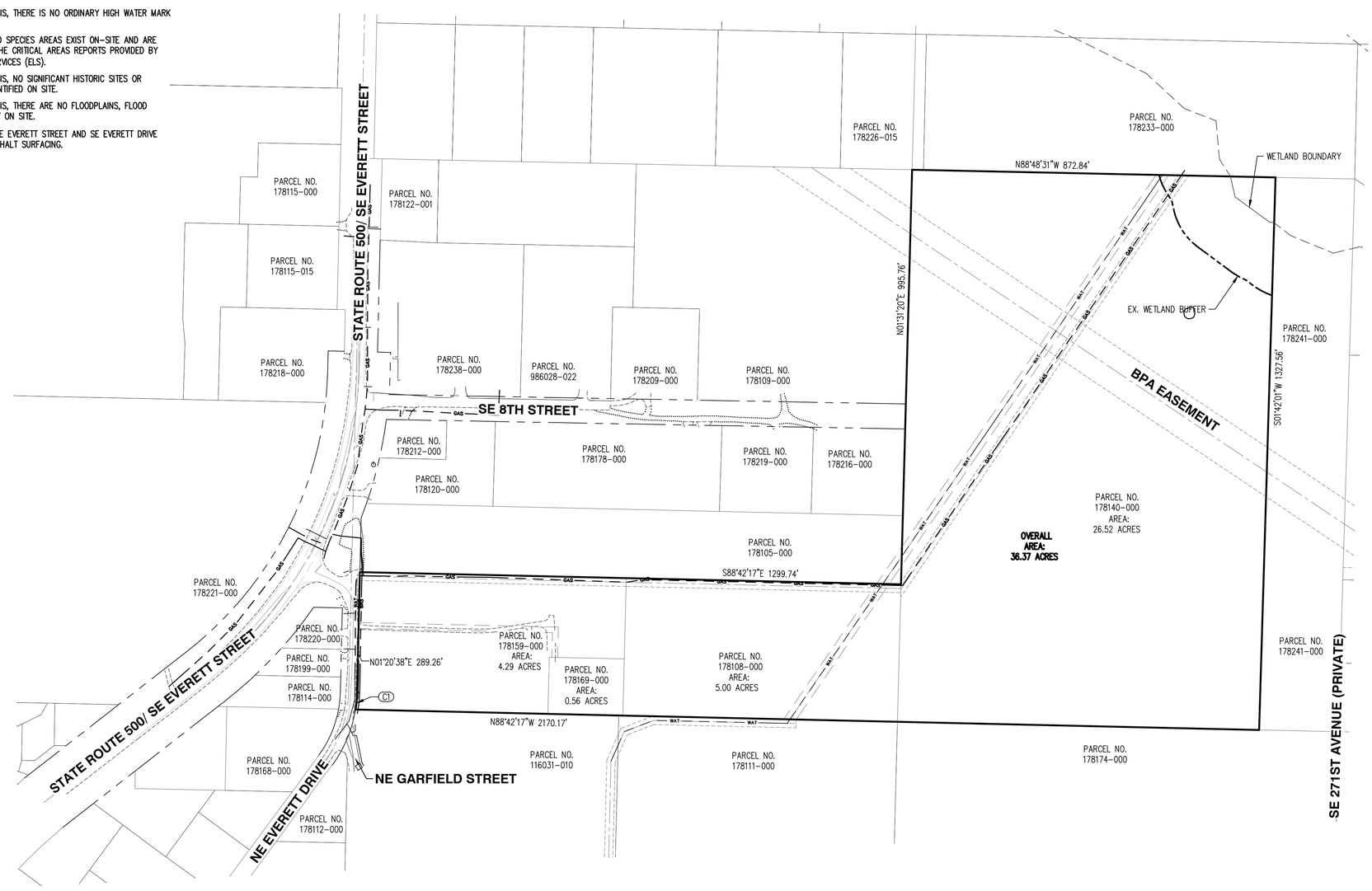

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ENGINEERING · SURVEYING · NATURAL RESOURCES
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OVERALL EXISTING CONDITIONS
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

PRELIMINARY NOT FOR CONSTRUCTION

JOB NUMBER:	8397
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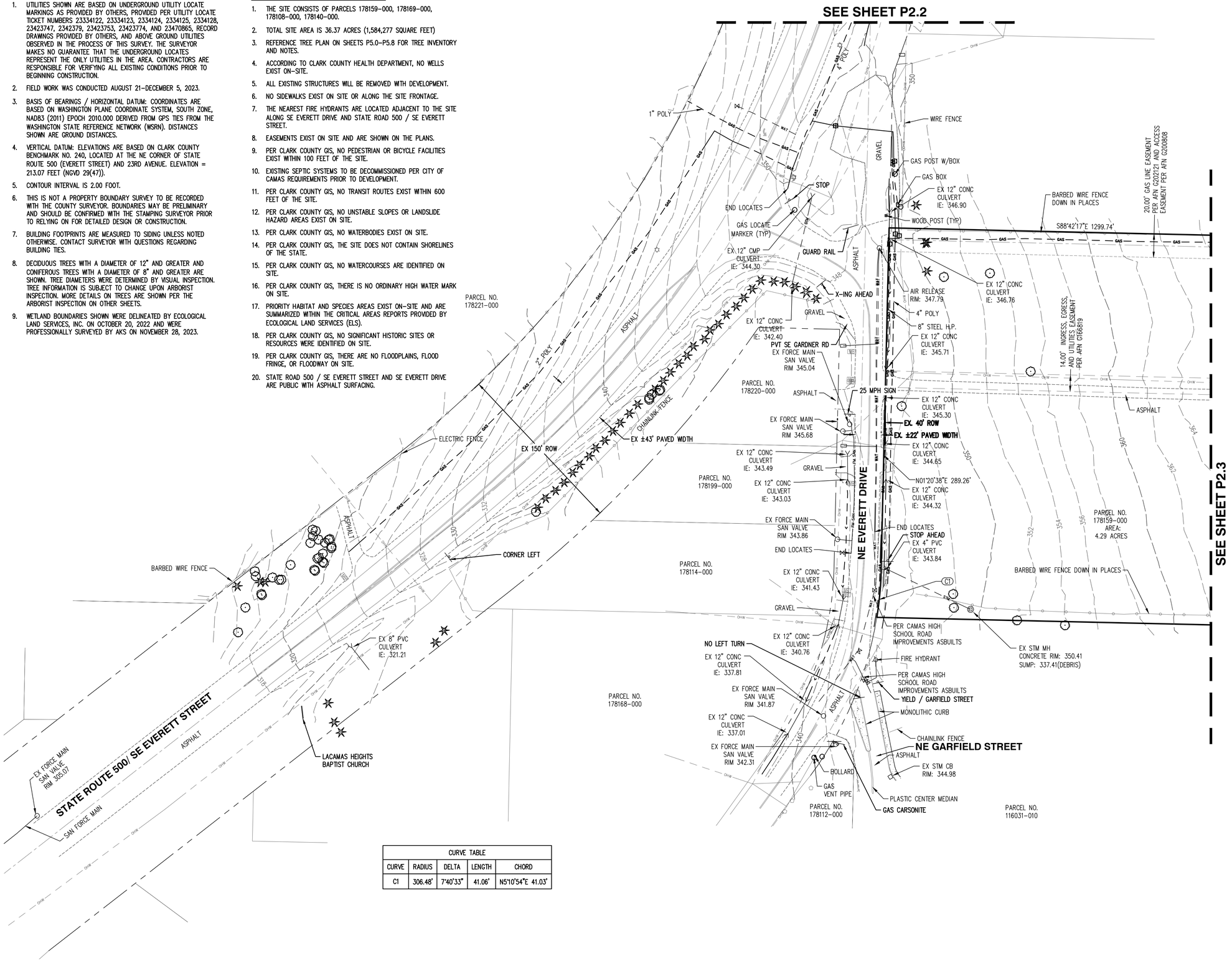

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CAMAS WOODS, LLC
CAMAS, WASHINGTON

PRELIMINARY NOT FOR CONSTRUCTION

JOB NUMBER:	8397
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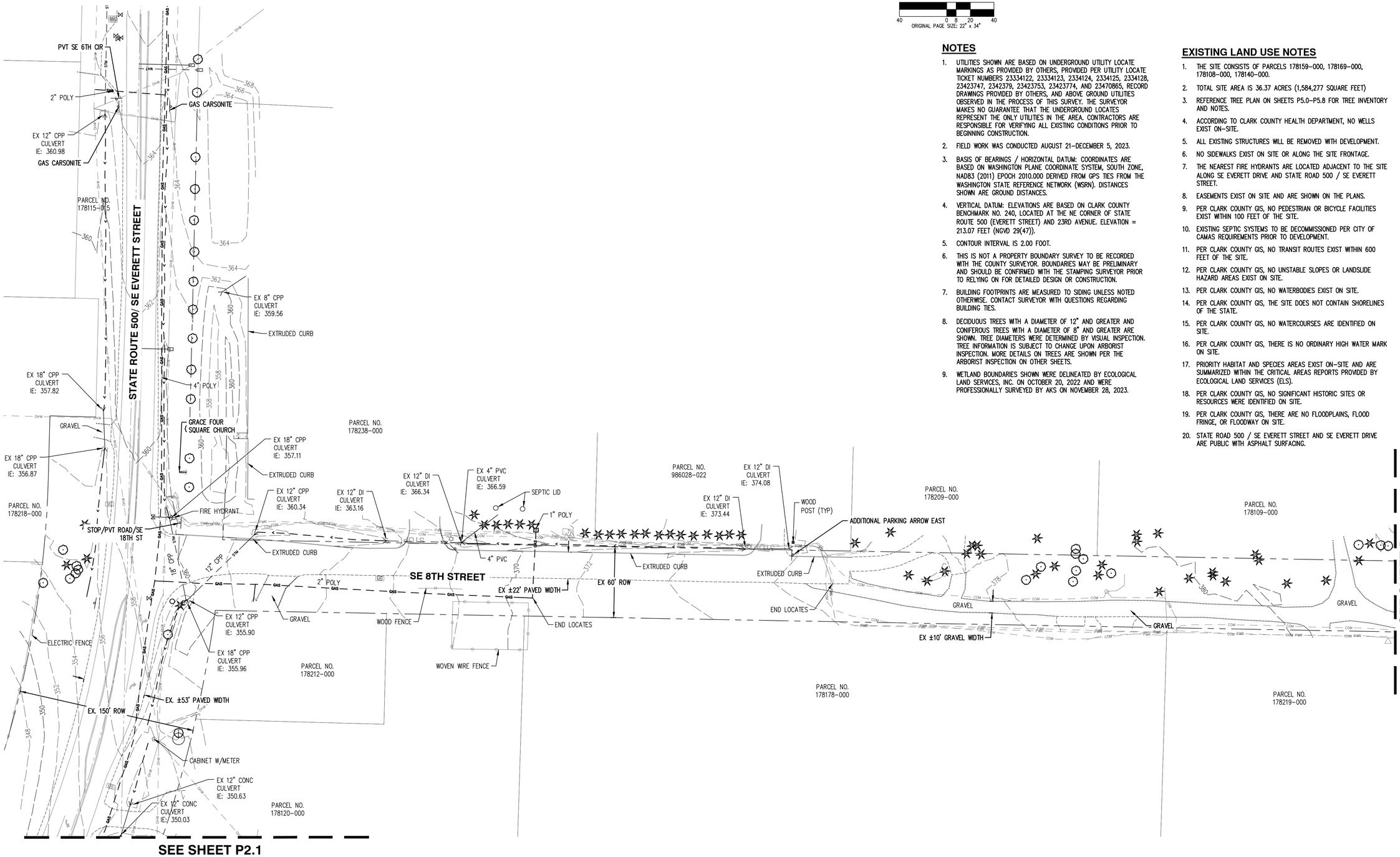
CHECKED BY:	BDH

P2.1

AKS DRAWING FILE: 8397 P2 EX COND.DWG | LAYOUT: P2.1



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SCALE: 1"= 40 FEET

40 0 8 20 40

ORIGINAL PAGE SIZE: 22" x 34"

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CAMAS, WASHINGTON

JAMES D. HANSEN
STATE OF WASHINGTON
PROFESSIONAL LAND SURVEYOR
PRELIMINARY NOT FOR CONSTRUCTION

JOB NUMBER:	8397
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P2.2

AKS DRAWING FILE: 8397 P2 EX COND.DWG | LAYOUT: P2.2

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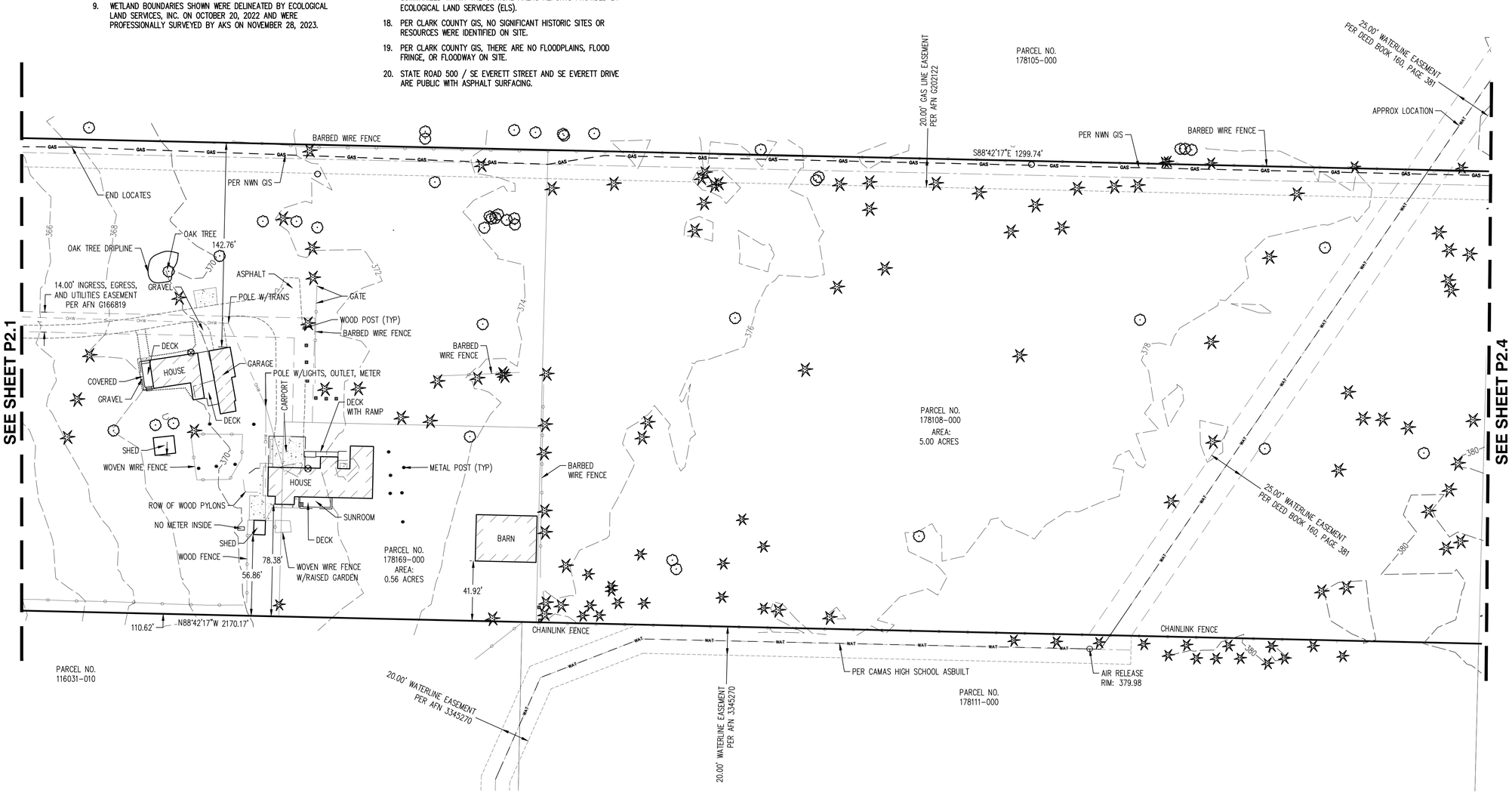
9. PER CLARK COUNTY GIS, NO PEDESTRIAN OR BICYCLE FACILITIES EXIST WITHIN 100 FEET OF THE SITE.
10. EXISTING SEPTIC SYSTEMS TO BE DECOMMISSIONED PER CITY OF CAMAS REQUIREMENTS PRIOR TO DEVELOPMENT.
11. PER CLARK COUNTY GIS, NO TRANSIT ROUTES EXIST WITHIN 600 FEET OF THE SITE.
12. PER CLARK COUNTY GIS, NO UNSTABLE SLOPES OR LANDSLIDE HAZARD AREAS EXIST ON SITE.
13. PER CLARK COUNTY GIS, NO WATERBODIES EXIST ON SITE.
14. PER CLARK COUNTY GIS, THE SITE DOES NOT CONTAIN SHORELINES OF THE STATE.
15. PER CLARK COUNTY GIS, NO WATERCOURSES ARE IDENTIFIED ON SITE.
16. PER CLARK COUNTY GIS, THERE IS NO ORDINARY HIGH WATER MARK ON SITE.
17. PRIORITY HABITAT AND SPECIES AREAS EXIST ON–SITE AND ARE SUMMARIZED WITHIN THE CRITICAL AREAS REPORTS PROVIDED BY ECOLOGICAL LAND SERVICES (ELS).
18. PER CLARK COUNTY GIS, NO SIGNIFICANT HISTORIC SITES OR RESOURCES WERE IDENTIFIED ON SITE.
19. PER CLARK COUNTY GIS, THERE ARE NO FLOODPLAINS, FLOOD FRINGE, OR FLOODWAY ON SITE.
20. STATE ROAD 500 / SE EVERETT STREET AND SE EVERETT DRIVE ARE PUBLIC WITH ASPHALT SURFACING.



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EXISTING CONDITIONS
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

PRELIMINARY NOT FOR CONSTRUCTION

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P2.3

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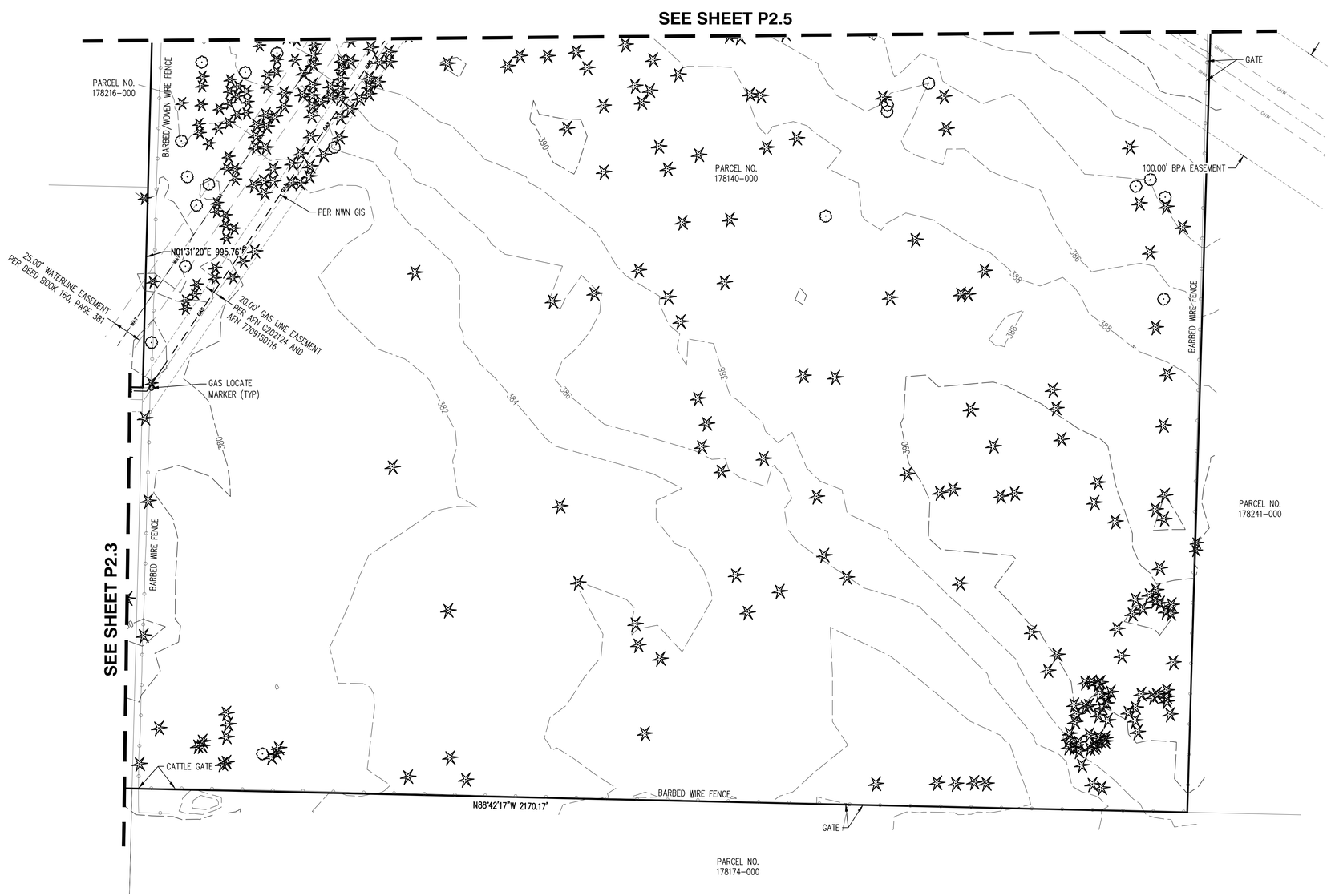

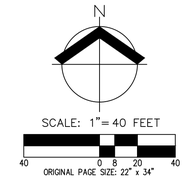

NOTES

1. UTILITIES SHOWN ARE BASED ON UNDERGROUND UTILITY LOCATE MARKINGS AS PROVIDED BY OTHERS, PROVIDED PER UTILITY LOCATE TICKET NUMBERS 23334122, 23334123, 2334124, 2334125, 2334128, 23423747, 2342379, 23423753, 23423774, AND 23470865, RECORD DRAWINGS PROVIDED BY OTHERS, AND ABOVE GROUND UTILITIES OBSERVED IN THE PROCESS OF THIS SURVEY. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND LOCATES REPRESENT THE ONLY UTILITIES IN THE AREA. CONTRACTORS ARE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
2. FIELD WORK WAS CONDUCTED AUGUST 21–DECEMBER 5, 2023.
3. BASIS OF BEARINGS / HORIZONTAL DATUM: COORDINATES ARE BASED ON WASHINGTON PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD83 (2011) EPOCH 2010.000 DERIVED FROM GPS TIES FROM THE WASHINGTON STATE REFERENCE NETWORK (WSRN). DISTANCES SHOWN ARE GROUND DISTANCES.
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9. WETLAND BOUNDARIES SHOWN WERE DELINEATED BY ECOLOGICAL LAND SERVICES, INC. ON OCTOBER 20, 2022 AND WERE PROFESSIONALLY SURVEYED BY AKS ON NOVEMBER 28, 2023.

EXISTING LAND USE NOTES

1. THE SITE CONSISTS OF PARCELS 178159–000, 178169–000, 178108–000, 178140–000.
2. TOTAL SITE AREA IS 36.37 ACRES (1,584,277 SQUARE FEET)
3. REFERENCE TREE PLAN ON SHEETS P5.0–P5.8 FOR TREE INVENTORY AND NOTES.
4. ACCORDING TO CLARK COUNTY HEALTH DEPARTMENT, NO WELLS EXIST ON–SITE.
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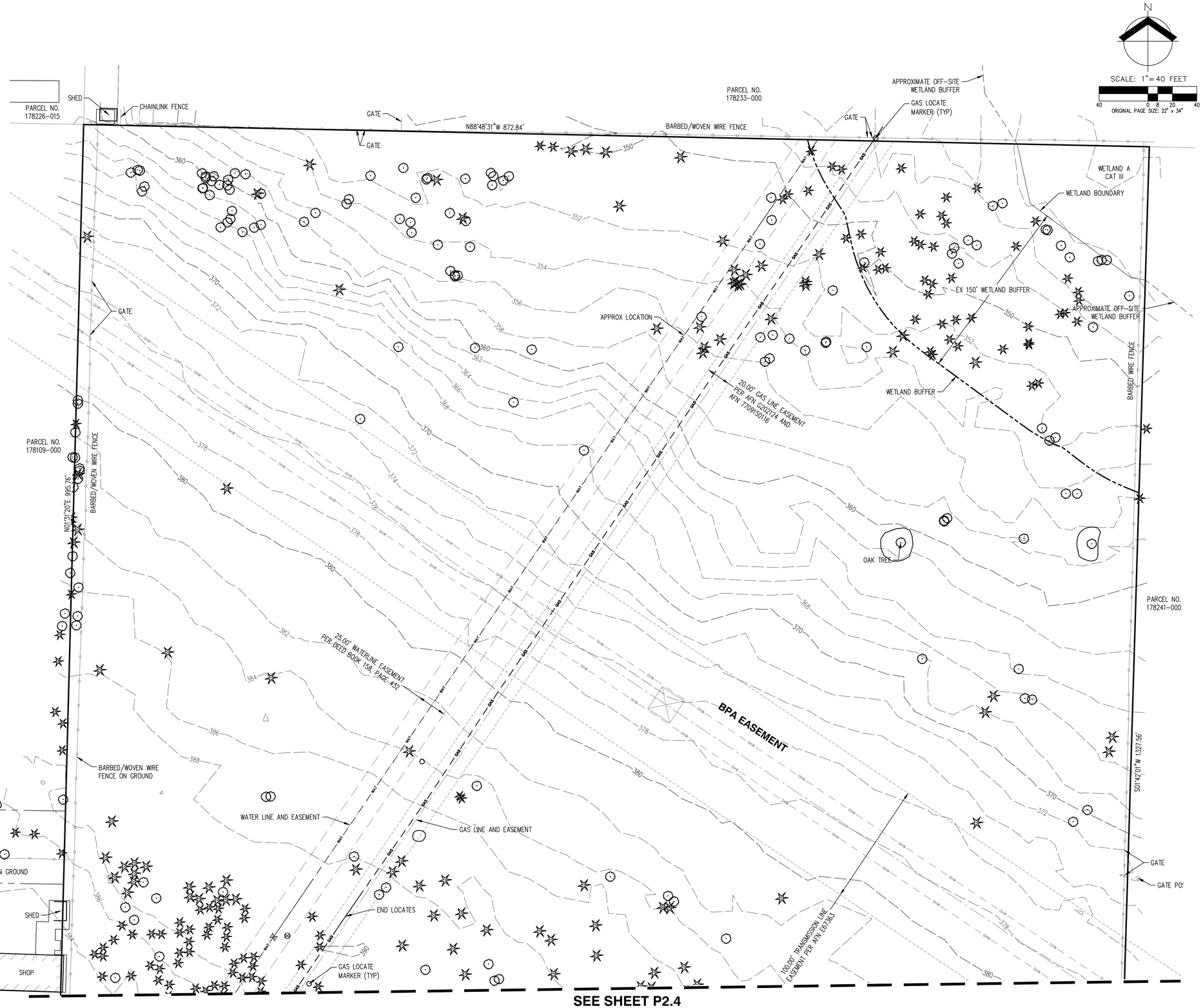

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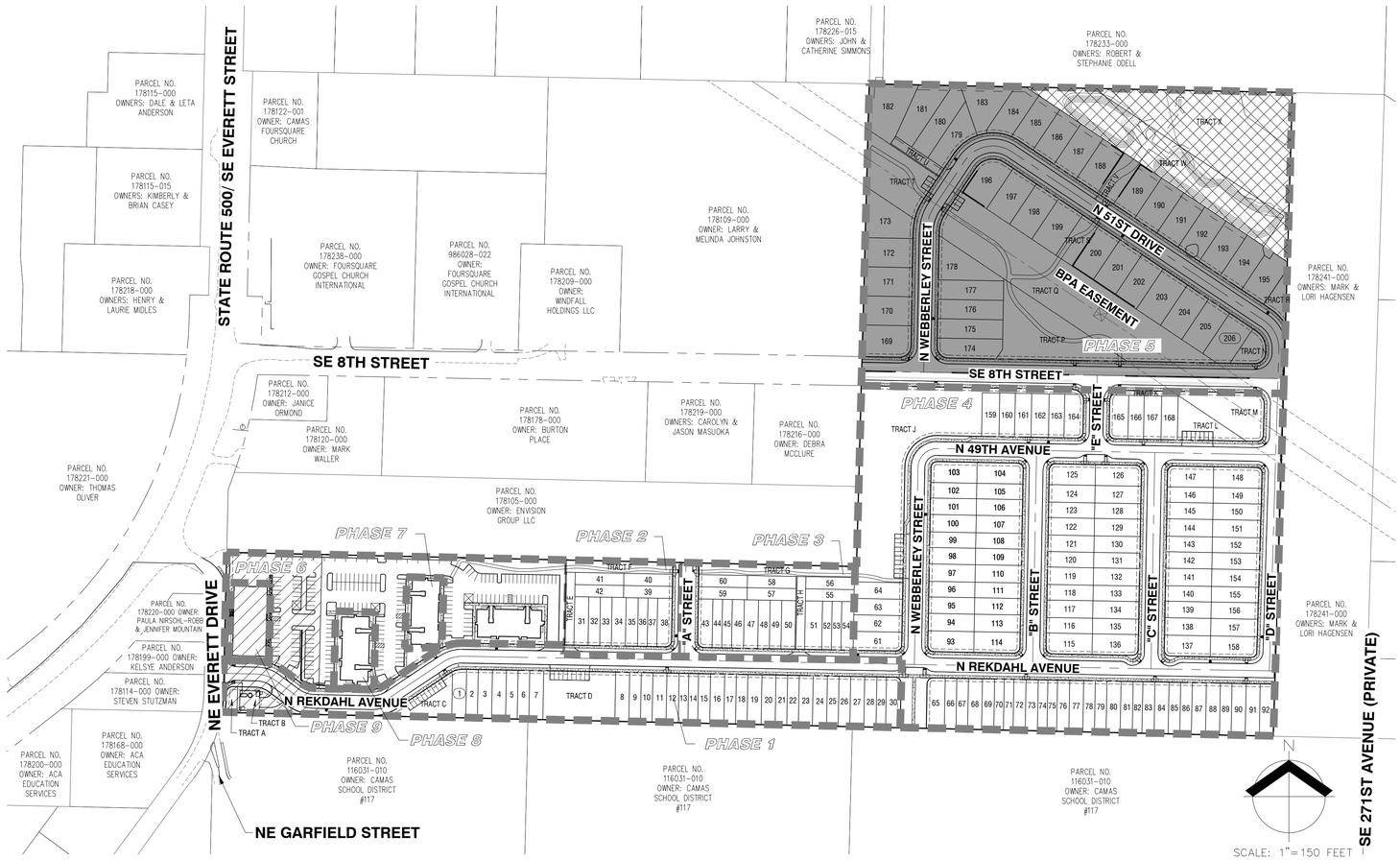

APPLICANT

CAMAS WOODS, LLC
CONTACT: ANDY SWANSON
19120 SE 34TH STREET SUITE #103
VANCOUVER, WA 98683
PH: (503) 936-8514
EMAIL: ANDY@HSR-CAPITAL.COM

OWNERS

DONALD A. REKDAHL &
SHIRLEY M. REKDAHL, TRUSTEES
921 SE GARDNER RD
CAMAS, WA 98607

CAMAS WOODS, LLC
CONTACT: ANDY SWANSON
19120 SE 34TH STREET SUITE #103
VANCOUVER, WA 98683

CONTACT/ENGINEERING/ PLANNING/SURVEYING/ LANDSCAPE ARCHITECT

AKS ENGINEERING & FORESTRY, LLC.
CONTACT: MICHAEL ANDREOTTI
9600 NE 126TH AVENUE, SUITE 2520
VANCOUVER, WA 98682
PH: 360-882-0419
FAX: 360-882-0426
E-MAIL: ANDREOTTIM@AKS-ENG.COM

PROPERTY DESCRIPTION

LOCATED IN THE SOUTHEAST 1/4 OF SECTION 35, TOWNSHIP 2 NORTH RANGE 3 EAST, WILLAMETTE MERIDIAN, CLARK COUNTY, WASHINGTON. PROPERTY SERIAL NO.'S 178140-000, 178108-000, 178169-000 & 178159-000.

EXISTING LAND USE

UNDEVELOPED LAND ZONED HD-NS & POS-NS (178140-000) AND EXISTING SINGLE FAMILY RESIDENTIAL ZONED MX-NS AND HD-NS (178108-000, 178169-000 & 178159-000)

PROJECT PURPOSE

PHASED MIXED USE SUBDIVISION WITH 206 LOT SINGLE-FAMILY RESIDENTIAL UNITS, MIXED USE WITH 88 APARTMENTS AND ASSOCIATED ROADS AND OTHER SITE IMPROVEMENTS.

SITE AREA

36.37 AC (1,584,277 SF)

VERTICAL DATUM

VERTICAL DATUM: ELEVATIONS ARE BASED ON CLARK COUNTY BENCHMARK NO. 240, LOCATED AT THE NE CORNER OF STATE ROUTE 500 (EVERETT STREET) AND 23RD AVENUE. ELEVATION = 213.07 FEET (NGVD 29(47)).

PROPERTY LOCATION

920 SE GARDNER RD, CAMAS, WA 98607 &
921 SE GARDNER RD, CAMAS, WA 98607

THE PURPOSE OF THIS PRELIMINARY PLAT IS TO SHOW THE PROPOSED LOT DIMENSIONS AND AREAS FOR PLANNING PURPOSES. THIS IS NOT AN OFFICIAL PLAT AND IS NOT TO BE USED FOR SURVEY PURPOSES.

LEGEND

NORTH SHORE MIXED USE (MX-NS)	
NORTH SHORE LOWER DENSITY RESIDENTIAL (LD-NS)	
NORTH SHORE PARK/OPEN SPACE (POS-NS)	
NORTH SHORE HIGHER DENSITY RESIDENTIAL (HD-NS)	AREA IS NON-HATCHED

GENERAL NOTES

1. OPEN SPACE TRACTS C, D, F, G, J, K, L, M, N, P, Q, R, S, T, V TO BE OWNED AND MAINTAINED BY THE HOME OWNERS ASSOCIATION (HOA).
2. PARKING TRACTS C, D, J, L, Q & T TO BE OWNED AND MAINTAINED BY THE HOA.
3. ACCESS TRACTS E, H, & U TO BE OWNED AND MAINTAINED BY THE HOA.
4. STORMWATER TRACTS A & W TO BE OWNED AND MAINTAINED BY HOA.
5. PUMP STATION TRACT B TO BE OWNED AND MAINTAINED BY CITY OF CAMAS.
6. BUILDING ENVELOPES SHALL BE PER THE PROPOSED DEVELOPMENT STANDARDS TABLE SHOWN ON THIS SHEET.
7. THERE ARE ELEVEN PROPOSED INTERNAL PUBLIC ROADS TO SERVE THE DEVELOPMENT. THE ROADS ARE PROPOSED TO BE CONSTRUCTED TO THE LOCAL STREET RIGHT-OF-WAY AND THE COLLECTOR STREET RIGHT-OF-WAY SECTIONS (NORTH SHORE SUBAREA DESIGN MANUAL).
8. ALL LOTS WILL BE SERVED WITH PUBLIC SANITARY SEWER AND WATER BY CITY OF CAMAS.
9. SURFACE MATERIAL FOR ALL PROPOSED ROADWAYS IS ASPHALT.
10. A 40' X 40' BUILDING FOOTPRINT IS SHOWN WHERE FEASIBLE, PER CAMAS CODE 17.19.030.D.3. ACTUAL BUILDING FOOTPRINTS WILL VARY AND BE DETERMINED AND REVIEWED WITH THE BUILDING PERMIT.
11. GAS EASEMENT TO REMAIN, WATER EASEMENT TO BE RELINQUISHED, BPA EASEMENT TO REMAIN, AND ACCESS AND UTILITY EASEMENT FROM EVERETT DRIVE TO BE RELINQUISHED.
12. THE SITE IS WITHIN THE NEHRP SITE CLASS B.
13. FINAL ADDRESS MONUMENT LOCATION FOR ACCESS TRACTS TO BE DETERMINED DURING FINAL ENGINEERING.
14. SEE SHEET P3.0 FOR ZONING SUMMARY STATISTICS.
15. NO TRANSIT FACILITIES ARE PROPOSED.
16. NO ROADS ON OR WITHIN 500 FEET OF THE SITE PROPOSED TO PROVIDE SITE ACCESS ARE IN EXCESS OF 15% GRADE.
17. NW EVERETT DRIVE IS PUBLIC WITH ASPHALT SURFACING.
18. ALL PROPOSED EASEMENTS ARE SHOWN ON THE PLAN.
19. SEE SHEETS P11.0 TO P11.1 FOR LANDSCAPE PLANS.
20. ALL PROPOSED HOMES WILL BE CONSTRUCTED WITH FIRE SPRINKLERS.
21. SEE SHEETS P10.0 TO P10.3 FOR PROPOSED STORM WATER FACILITIES.

TRACT AREA & PURPOSE

TRACT A:	1,185 SF	STORMWATER FACILITY
TRACT B:	4,887 SF	PUMP STATION FACILITY
TRACT C:	6,588 SF	OPEN SPACE / PARKING
TRACT D:	14,985 SF	OPEN SPACE / PARKING
TRACT E:	3,000 SF	ACCESS
TRACT F:	5,479 SF	OPEN SPACE
TRACT G:	7,500 SF	OPEN SPACE
TRACT H:	3,000 SF	ACCESS
TRACT J:	57,065 SF	OPEN SPACE / PARKING
TRACT K:	1,261 SF	OPEN SPACE
TRACT L:	6,528 SF	OPEN SPACE / PARKING
TRACT M:	11,119 SF	OPEN SPACE
TRACT N:	3,191 SF	OPEN SPACE
TRACT P:	21,473 SF	OPEN SPACE
TRACT Q:	55,713 SF	OPEN SPACE / PARKING
TRACT R:	2,477 SF	OPEN SPACE
TRACT S:	3,952 SF	OPEN SPACE
TRACT T:	14,424 SF	OPEN SPACE / PARKING
TRACT U:	2,400 SF	ACCESS
TRACT V:	4,000 SF	OPEN SPACE
TRACT W:	42,467 SF	STORMWATER FACILITY
TRACT X:	53,471 SF	NATURAL AREA

DEVELOPMENT STANDARDS (LD-NS) (DENSITY TRANSFER)

MINIMUM LOT AREA:	5,250 SF
MAXIMUM LOT AREA:	9,000 SF
MINIMUM LOT WIDTH:	40 FEET
MINIMUM LOT DEPTH:	80 FEET
MINIMUM FRONT YARD:	10-25 FEET
MINIMUM GARAGE FRONT:	20 FEET
MINIMUM ALLEY GARAGE:	10 FEET
MINIMUM SIDE YARD:	5 FEET
MINIMUM STREET SIDE / CORNER YARD:	10 FEET
MINIMUM REAR YARD:	10-20 FEET
MAXIMUM BUILDING LOT COVERAGE:	60%
MAXIMUM BUILDING HEIGHT:	35 FEET

LD-NS DENSITY

GROSS SITE AREA:	419,693 SF (9.63 AC)
OPEN SPACE AREA:	105,230 SF (2.42 AC)
NET AREA:	314,463 SF (7.21 AC)
LANDSCAPE AREA:	95,343 SF (2.19 AC)
IMPERVIOUS AREA:	324,350 SF (7.45 AC)

DENSITY PER NORTH SHORE ZONING:

MAXIMUM DENSITY (5.8 X 7.21):	42 UNITS
MINIMUM DENSITY (4 X 7.21):	29 UNITS
PROPOSED UNITS:	38 UNITS

DEVELOPMENT STANDARDS (HD-NS)

MINIMUM LOT AREA:	1,800 SF
MINIMUM LOT WIDTH:	20 FEET
MINIMUM LOT DEPTH:	60 FEET
MINIMUM FRONT YARD / GARAGE:	10 / 20 FEET
MINIMUM SIDE YARD:	3 FEET
MINIMUM STREET SIDE YARD:	10/ 15 FEET
MINIMUM REAR YARD:	10 FEET
MAXIMUM BUILDING LOT COVERAGE:	65%
MAXIMUM BUILDING HEIGHT:	50 FEET

HD-NS DENSITY

GROSS SITE AREA:	1,003,646 SF (23.04 AC)
OPEN SPACE AREA:	110,524 SF (2.54 AC)
NET AREA:	893,122 SF (20.50 AC)
LANDSCAPE AREA:	146,200 SF (3.36 AC)
IMPERVIOUS AREA:	857,200 SF (19.68 AC)

DENSITY PER NORTH SHORE ZONING:

MAXIMUM DENSITY (18 X 20.50):	369 UNITS
MINIMUM DENSITY (10 X 20.50):	205 UNITS
PROPOSED MULTI-FAMILY UNITS:	72 UNITS
PROPOSED ATTACHED UNITS:	88 UNITS
PROPOSED DETACHED UNITS:	80 UNITS
TOTAL PROPOSED UNITS:	240 UNITS

DEVELOPMENT STANDARDS (MX-NS)

MINIMUM LOT AREA:	1,800 SF
MINIMUM LOT WIDTH:	20 FEET
MINIMUM LOT DEPTH:	60 FEET
MAXIMUM FRONT YARD:	10 FEET
MINIMUM SIDE YARD:	3 FEET
MINIMUM REAR YARD:	10 FEET
MAXIMUM BUILDING LOT COVERAGE:	65%
MAXIMUM BUILDING HEIGHT:	100 FEET

MX-NS DENSITY

GROSS SITE AREA:	64,967 SF (1.49 AC)
OPEN SPACE AREA:	0 SF
NET AREA:	64,967 SF (1.49 AC)
LANDSCAPE AREA:	16,034 SF (0.37 AC)
IMPERVIOUS AREA:	48,933 SF (1.12 AC)

DENSITY PER NORTH SHORE ZONING:

MAXIMUM DENSITY (24 X 1.49):	36 UNITS
MINIMUM DENSITY (10 X 1.49):	15 UNITS
PROPOSED UNITS:	16 UNITS

NORTH SHORE PARK/OPEN SPACE SITE STATISTICS

GROSS AREA:	96,240 SF (2.22 AC)
OPEN SPACE AREA:	56,389 SF (1.30 AC)
STORMWATER FACILITY AREA:	39,851 SF (0.92 AC)

PROPOSED PHASING PLAN

PHASE 1: 30 TOWNHOMES, SEWER PUMP STATION, AND STORMWATER FACILITIES
PHASE 2: 12 TOWNHOMES
PHASE 3: 18 TOWNHOMES
PHASE 4: 28 TOWNHOMES, 80 DETACHED SINGLE-FAMILY RESIDENTIAL
PHASE 5: 38 DETACHED SINGLE-FAMILY RESIDENTIAL, STORMWATER
PHASE 6: 24 APARTMENT UNITS, PARKING LOT
PHASE 7: 24 APARTMENT UNITS
PHASE 8: 24 APARTMENT UNITS
PHASE 9: 16 APARTMENT UNITS, +/- 10,000 SF COMMERCIAL

OVERALL PARKING STATISTICS

TOTAL PROPOSED SITE PLAN PARKING STALLS:	198 SPACES
REQUIRED RESIDENTIAL OFF-STREET PARKING:	42 SPACES*
PROPOSED RESIDENTIAL OFF-STREET PARKING:	42 SPACES*
TRACT C:	10 SPACES
TRACT D:	9 SPACES
TRACT J:	10 SPACES
TRACT L:	7 SPACES
TRACT Q:	3 SPACES
TRACT T:	3 SPACES
TOTAL PROPOSED:	42 SPACES

*NOTE: ONE ADDITIONAL OFF-STREET PARKING SPACE IS REQUIRED FOR EVERY 5 UNITS.

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OVERALL PRELIMINARY PLAT & SITE PLAN OVERVIEW
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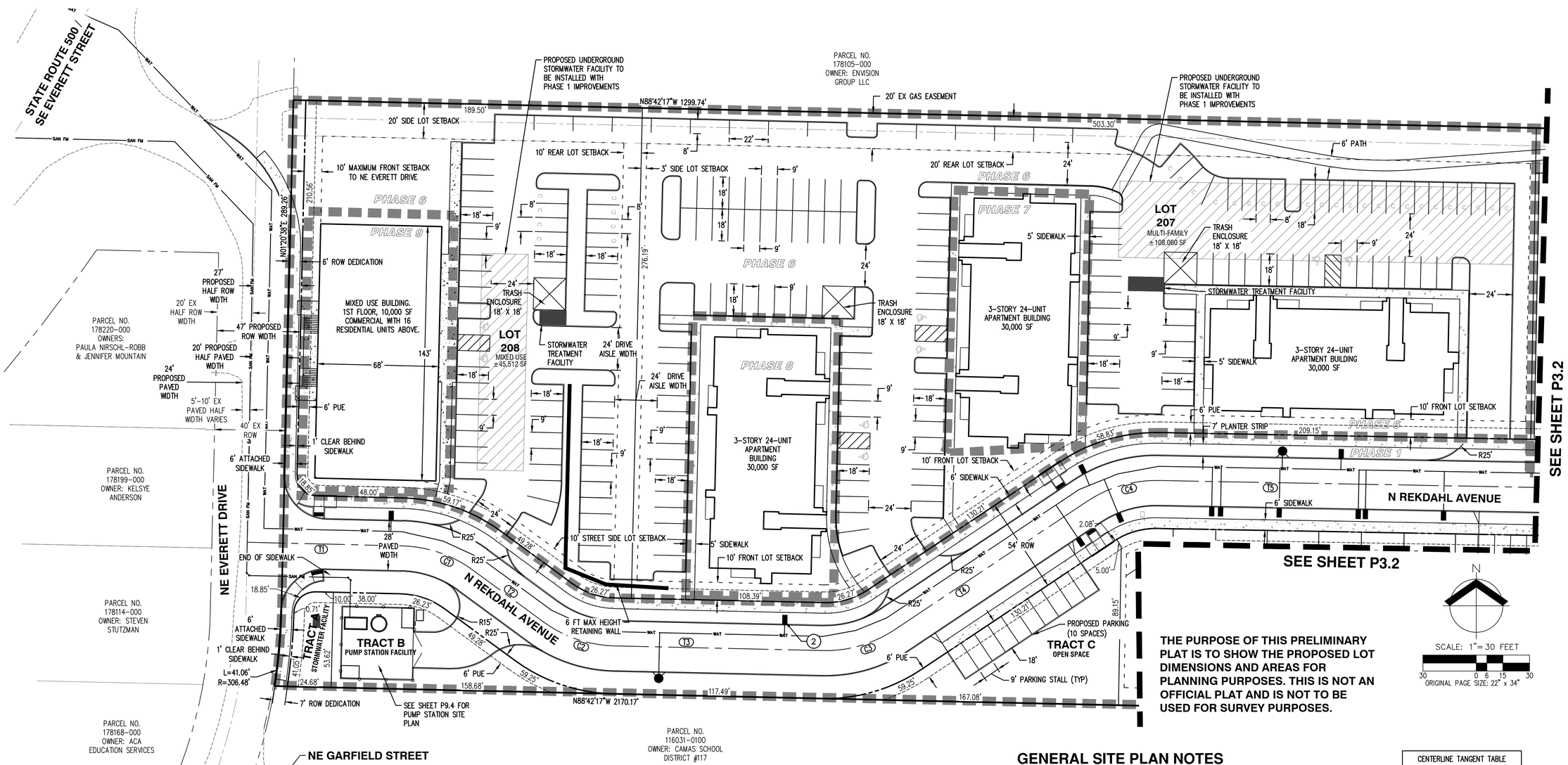
P3.0



THE PURPOSE OF THIS PRELIMINARY PLAT IS TO SHOW THE PROPOSED LOT DIMENSIONS AND AREAS FOR PLANNING PURPOSES. THIS IS NOT AN OFFICIAL PLAT AND IS NOT TO BE USED FOR SURVEY PURPOSES.

N

SCALE: 1"= 30 FEET

30 0 6 15 30

ORIGINAL PAGE SIZE: 22" x 34"

PARKING STATISTICS

REQUIRED APARTMENT PARKING STALLS*:	154 SPACES
PROVIDED COMMERCIAL PARKING SPACES*:	44 SPACES
PROPOSED STANDARD PARKING STALLS (9' X 18'):	144 SPACES
PROPOSED STANDARD PARKING STALLS (9' X 22'):	15 SPACES
PROPOSED COMPACT PARKING STALLS (8' X 18'):	31 SPACES
REQUIRED ADA PARKING STALLS (TABLE 1106.2 PER IBC 2021):	6 SPACES
PROPOSED ADA PARKING STALLS (9' X 18'):	8 SPACES
TOTAL PROPOSED SITE PLAN PARKING STALLS:	198 SPACES

*PARKING CALCULATION NOTES:

APARTMENTS:

44 1-BED UNITS (1-BED UNIT = 1.5 PARKING STALLS)

44 2-BED UNITS (2-BED UNIT = 2 PARKING STALLS)

COMMERCIAL:

COMMERCIAL BUILDING USE UNKNOWN AND WILL BE DETERMINED AND AT TIME OF FINAL SITE PLAN SUBMITTAL AND BUILDING PERMIT

PROPOSED BUILDING AREA

LOT 207 MULTI-FAMILY (HD-NS ZONE)	
PROPOSED NUMBER OF 3-STORY 24-UNIT APARTMENT	3 BUILDINGS
BUILDING AREA (PER BUILDING)	30,000 SF
LOT 208 MIXED USE (MX-NS ZONE)	
PROPOSED NUMBER OF BUILDINGS	1 BUILDING
COMMERCIAL BUILDING AREA (1ST FLOOR)	10,000 SF
RESIDENTIAL BUILDING AREA (2ND & 3RD FLOOR, 16-UNITS)	20,000 SF

GENERAL SITE PLAN NOTES

1. SEE SHEET P3.0 FOR OVERALL PROJECT GENERAL NOTES.
2. TRACT A & C TO BE OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION (HOA). TRACT A TO BE USED FOR STORMWATER TREATMENT AND TRACT C TO BE USED FOR OPEN SPACE AND PARKING.
3. TRACT B TO BE OWNED AND MAINTAINED BY THE CITY OF CAMAS FOR A SANITARY SEWER PUMP STATION. SEE SHEET P9.4 FOR PUMP STATION SITE PLAN NOTES.
4. LOT 207 IS ZONED HD-NS AND WILL INCLUDE MULTIPLE STRUCTURES FOR APARTMENTS. EACH APARTMENT STRUCTURE WILL BE SERVED BY AN INDIVIDUAL SANITARY SEWER LATERAL AND INDIVIDUAL WATER SERVICE METER FROM N REKDAHL AVENUE.
5. LOT 208 IS ZONED MX-NS AND WILL INCLUDE A MULTI-STORY STRUCTURE WITH THE FIRST FLOOR RESERVED FOR COMMERCIAL USE, AND ADDITIONAL FLOORS FOR RESIDENTIAL APARTMENTS. THIS BUILDING WILL BE SERVED BY A SINGLE SANITARY SEWER LATERAL AND WATER SERVICE METER FROM N REKDAHL AVENUE.
6. APPROXIMATE STRUCTURE SQUARE FEET IS AS NOTED AND SHOWN ON THE PLAN.
7. TRASH ENCLOSURES FOR SITE RECYCLABLES AND SOLID WASTE COLLECTION ARE SHOWN ON THE PLANS.
8. SEE LIGHTING PLANS, P12.0-P12.3, FOR SITE LIGHTING.
9. STORMWATER FACILITIES ARE SHOWN ON THE PLAN AND WILL BE PRIVATELY OWNED AND MAINTAINED. AN INSPECTION AND ACCESS EASEMENT TO THE CITY OF CAMAS WILL BE PROVIDED WITH THE FINAL PLAT.
10. SETBACKS ALONG NORTH BOUNDARY ARE SET TO THE EXISTING GAS MAIN EASEMENT.

SITE PLAN KEYED NOTES (#)

1. EACH BUILDING TO PROVIDE AN FDC. LOCATION AND TYPE OF FDC TO BE DETERMINED WITH FINAL SITE PLAN SUBMITTAL FOR EACH BUILDING.
2. WATER SERVICE AND WATER METER CONNECTION. WATER METER SIZES TO BE DETERMINED AT FINAL SITE PLAN.

CENTERLINE TANGENT TABLE		
LINE	LENGTH	DIRECTION
T1	87.00	N88° 39' 22"W
T2	49.28	N53° 42' 17"W
T3	117.49	N88° 42' 17"W
T4	130.21	S56° 17' 43"W
T5	1676.57	N88° 57' 22"W

CENTERLINE CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	42.70	70.00	34.95
C2	42.76	70.00	35.00
C3	42.76	70.00	35.00
C4	42.45	70.00	34.75

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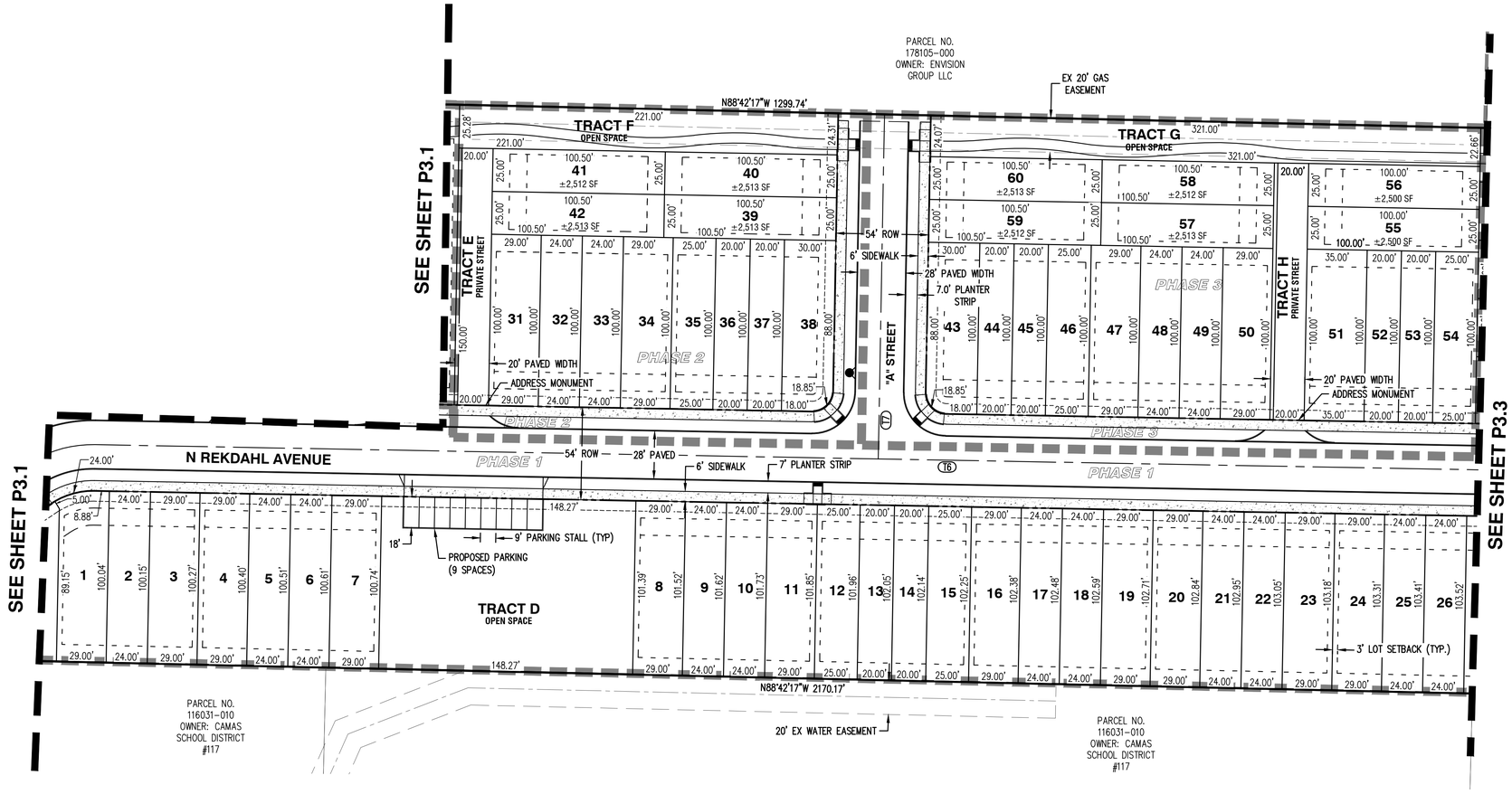
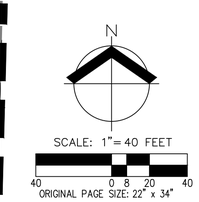
PRELIMINARY SITE PLAN
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

PRELIMINARY NOT FOR CONSTRUCTION

JOB NUMBER:	8397
DATE:	11/1/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P3.1





GENERAL NOTES

1. OPEN SPACE TRACTS C, D, F, G, J, K, L, M, N, P, Q, R, S, T, V TO BE OWNED AND MAINTAINED BY THE HOME OWNERS ASSOCIATION (HOA).
2. PARKING TRACTS C, D, J, L, Q & T TO BE OWNED AND MAINTAINED BY THE HOA.
3. ACCESS TRACTS E, H, & U TO BE OWNED AND MAINTAINED BY THE HOA.
4. STORMWATER TRACTS A & W TO BE OWNED AND MAINTAINED BY HOA.
5. PUMP STATION TRACT B TO BE OWNED AND MAINTAINED BY CITY OF CAMAS.
6. BUILDING ENVELOPES SHALL BE PER THE PROPOSED DEVELOPMENT STANDARDS TABLE SHOWN ON THIS SHEET.
7. THERE ARE ELEVEN PROPOSED INTERNAL PUBLIC ROADS TO SERVE THE DEVELOPMENT. THE ROADS ARE PROPOSED TO BE CONSTRUCTED TO THE LOCAL STREET RIGHT-OF-WAY AND THE COLLECTOR STREET RIGHT-OF-WAY SECTIONS (NORTH SHORE SUBAREA DESIGN MANUAL).
8. ALL LOTS WILL BE SERVED WITH PUBLIC SANITARY SEWER AND WATER BY CITY OF CAMAS.
9. SURFACE MATERIAL FOR ALL PROPOSED ROADWAYS IS ASPHALT.
10. A 40' X 40' BUILDING FOOTPRINT IS SHOWN WHERE FEASIBLE, PER CAMAS CODE 17.19.030.D.3. ACTUAL BUILDING FOOTPRINTS WILL VARY AND BE DETERMINED AND REVIEWED WITH THE BUILDING PERMIT.
11. GAS EASEMENT TO REMAIN, WATER EASEMENT TO BE RELINQUISHED, BPA EASEMENT TO REMAIN, AND ACCESS AND UTILITY EASEMENT FROM EVERETT DRIVE TO BE RELINQUISHED.
12. THE SITE IS WITHIN THE NEHRP SITE CLASS B.
13. FINAL ADDRESS MONUMENT LOCATION FOR ACCESS TRACTS TO BE DETERMINED DURING FINAL ENGINEERING.
14. SEE SHEET P3.0 FOR ZONING SUMMARY STATISTICS.
15. NO TRANSIT FACILITIES ARE PROPOSED.
16. NO ROADS ON OR WITHIN 500 FEET OF THE SITE PROPOSED TO PROVIDE SITE ACCESS ARE IN EXCESS OF 15% GRADE.
17. NW EVERETT DRIVE IS PUBLIC WITH ASPHALT SURFACING.
18. ALL PROPOSED EASEMENTS ARE SHOWN ON THE PLAN.
19. SEE SHEETS P11.0 TO P11.1 FOR LANDSCAPE PLANS.
20. ALL PROPOSED HOMES WILL BE CONSTRUCTED WITH FIRE SPRINKLERS.
21. SEE SHEETS P10.0 TO P10.3 FOR PROPOSED STORM WATER FACILITIES.

CENTERLINE TANGENT TABLE		
LINE	LENGTH	DIRECTION
T6	1676.57	N88° 57' 22"W
T7	201.19	N01° 02' 38"E

GENERAL NOTES

1. SEE SHEET P3.0 FOR OVERALL GENERAL NOTES.
2. LOT SETBACKS SHALL BE PER THE PROPOSED DEVELOPMENT STANDARDS TABLES SHOWN ON SHEET P3.0.
3. A 40' X 40' BUILDING FOOTPRINT IS SHOWN WHERE FEASIBLE, PER CAMAS CODE 17.19.030.D.3 ACTUAL BUILDING FOOTPRINTS WILL VARY AND BE DETERMINED AND REVIEWED WITH THE BUILDING PERMIT.
4. ADDITIONAL RESIDENTIAL PARKING SUMMARY PER OVERALL PARKING TABLE ON SHEET P3.0.

THE PURPOSE OF THIS PRELIMINARY PLAT IS TO SHOW THE PROPOSED LOT DIMENSIONS AND AREAS FOR PLANNING PURPOSES. THIS IS NOT AN OFFICIAL PLAT AND IS NOT TO BE USED FOR SURVEY PURPOSES.

TOWNHOME PARCEL AREA TABLE	
PARCEL #	AREA (SF)
1	2,874
2	2,402
3	2,906
4	2,910
5	2,411
6	2,413
7	2,920
8	2,942
9	2,438
10	2,440
11	2,952
12	2,548
13	2,040
14	2,042
15	2,555
16	2,967
17	2,458
18	2,461
19	2,977
20	2,981

TOWNHOME PARCEL AREA TABLE	
PARCEL #	AREA (SF)
21	2,469
22	2,472
23	2,990
24	2,994
25	2,481
26	2,483
31	2,900
32	2,400
33	2,400
34	2,900
35	2,500
36	2,000
37	2,000
38	2,969
39	2,513
40	2,513
41	2,512
42	2,513
43	2,969
44	2,000

TOWNHOME PARCEL AREA TABLE	
PARCEL #	AREA (SF)
45	2,000
46	2,500
47	2,900
48	2,400
49	2,400
50	2,900
51	3,500
52	2,000
53	2,000
54	2,500
55	2,500
56	2,500
57	2,513
58	2,512
59	2,512
60	2,513

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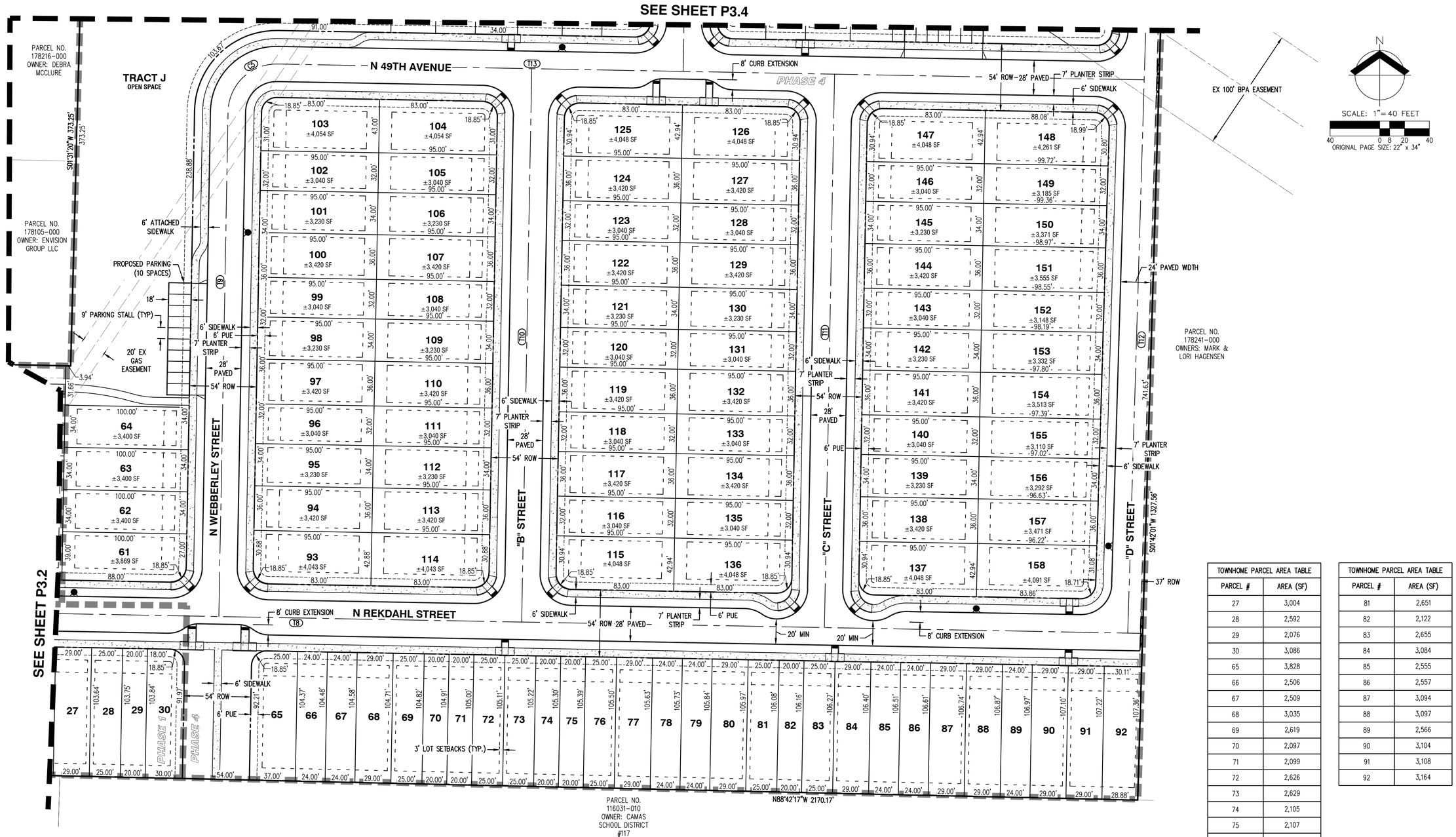
PRELIMINARY PLAT
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

PRELIMINARY NOT FOR CONSTRUCTION

JOB NUMBER:	8397
DATE:	11/1/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P3.2

AKS DRAWING FILE: 8397 P3 PRELIM PLAT.DWG | LAYOUT: P3.2



CENTERLINE TANGENT TABLE		
LINE	LENGTH	DIRECTION
T8	1676.57	N88° 57' 22"W
T9	406.88	N01° 02' 38"E
T10	445.88	N01° 02' 38"E
T11	445.88	N01° 02' 38"E
T12	662.95	S01° 42' 01"W
T13	698.53	S88° 57' 22"E

CENTERLINE CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C5	61.26	39.00	90.00

GENERAL NOTES

1. SEE SHEET P3.0 FOR OVERALL GENERAL NOTES.
2. LOT SETBACKS SHALL BE PER THE PROPOSED DEVELOPMENT STANDARDS TABLES SHOWN ON SHEET P3.0.
3. A 40' X 40' BUILDING FOOTPRINT IS SHOWN WHERE FEASIBLE, PER CAMAS CODE 17.19.030.D.3 ACTUAL BUILDING FOOTPRINTS WILL VARY AND BE DETERMINED AND REVIEWED WITH THE BUILDING PERMIT.
4. ADDITIONAL RESIDENTIAL PARKING SUMMARY PER OVERALL PARKING TABLE ON SHEET P3.0.

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TOWNHOME PARCEL AREA TABLE	
PARCEL #	AREA (SF)
27	3,004
28	2,592
29	2,076
30	3,086
65	3,828
66	2,506
67	2,509
68	3,035
69	2,619
70	2,097
71	2,099
72	2,626
73	2,629
74	2,105
75	2,107
76	2,636
77	3,061
78	2,536
79	2,539
80	3,071

TOWNHOME PARCEL AREA TABLE	
PARCEL #	AREA (SF)
81	2,651
82	2,122
83	2,655
84	3,084
85	2,555
86	2,557
87	3,094
88	3,097
89	2,566
90	3,104
91	3,108
92	3,164

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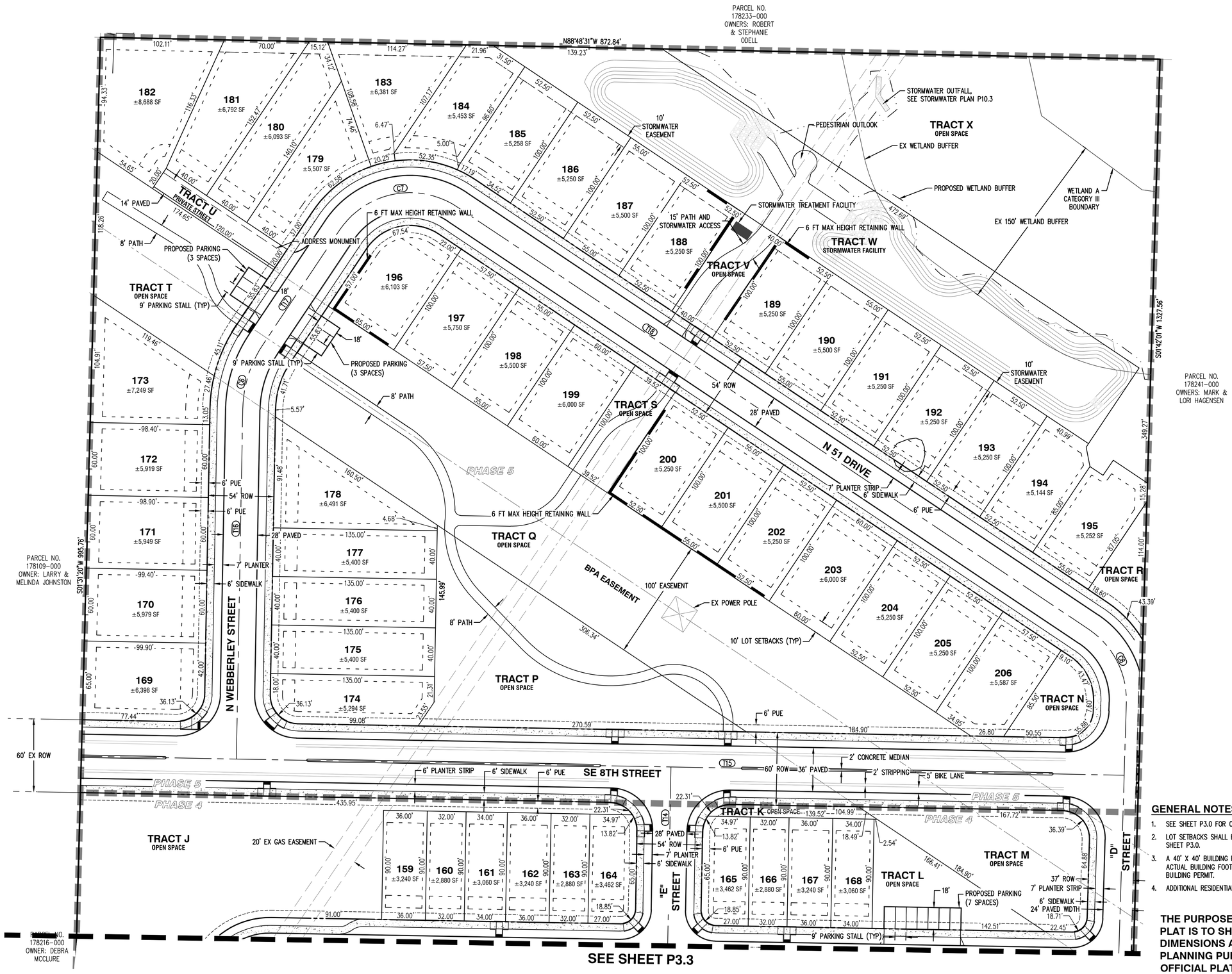
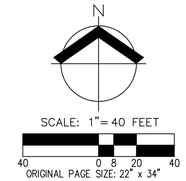
PRELIMINARY PLAT
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

PRELIMINARY NOT FOR CONSTRUCTION
BRYCE D. HOLLY
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER

JOB NUMBER:	8397
DATE:	11/1/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P3.3





CENTERLINE TANGENT TABLE		
LINE	LENGTH	DIRECTION
T14	157.00	N01° 02' 38"E
T15	859.02	S88° 57' 22"E
T16	288.05	N01° 02' 38"E
T17	112.83	N33° 47' 03"E
T18	625.62	S56° 12' 57"E

CENTERLINE CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C6	57.14	100.00	32.74
C7	109.96	70.00	90.00
C8	70.76	70.00	57.92

GENERAL NOTES

1. SEE SHEET P3.0 FOR OVERALL GENERAL NOTES.
2. LOT SETBACKS SHALL BE PER THE PROPOSED DEVELOPMENT STANDARDS TABLES SHOWN ON SHEET P3.0.
3. A 40' X 40' BUILDING FOOTPRINT IS SHOWN WHERE FEASIBLE, PER CAMAS CODE 17.19.030.D.3 ACTUAL BUILDING FOOTPRINTS WILL VARY AND BE DETERMINED AND REVIEWED WITH THE BUILDING PERMIT.
4. ADDITIONAL RESIDENTIAL PARKING SUMMARY PER OVERALL PARKING TABLE ON SHEET P3.0.

THE PURPOSE OF THIS PRELIMINARY PLAT IS TO SHOW THE PROPOSED LOT DIMENSIONS AND AREAS FOR PLANNING PURPOSES. THIS IS NOT AN OFFICIAL PLAT AND IS NOT TO BE USED FOR SURVEY PURPOSES.

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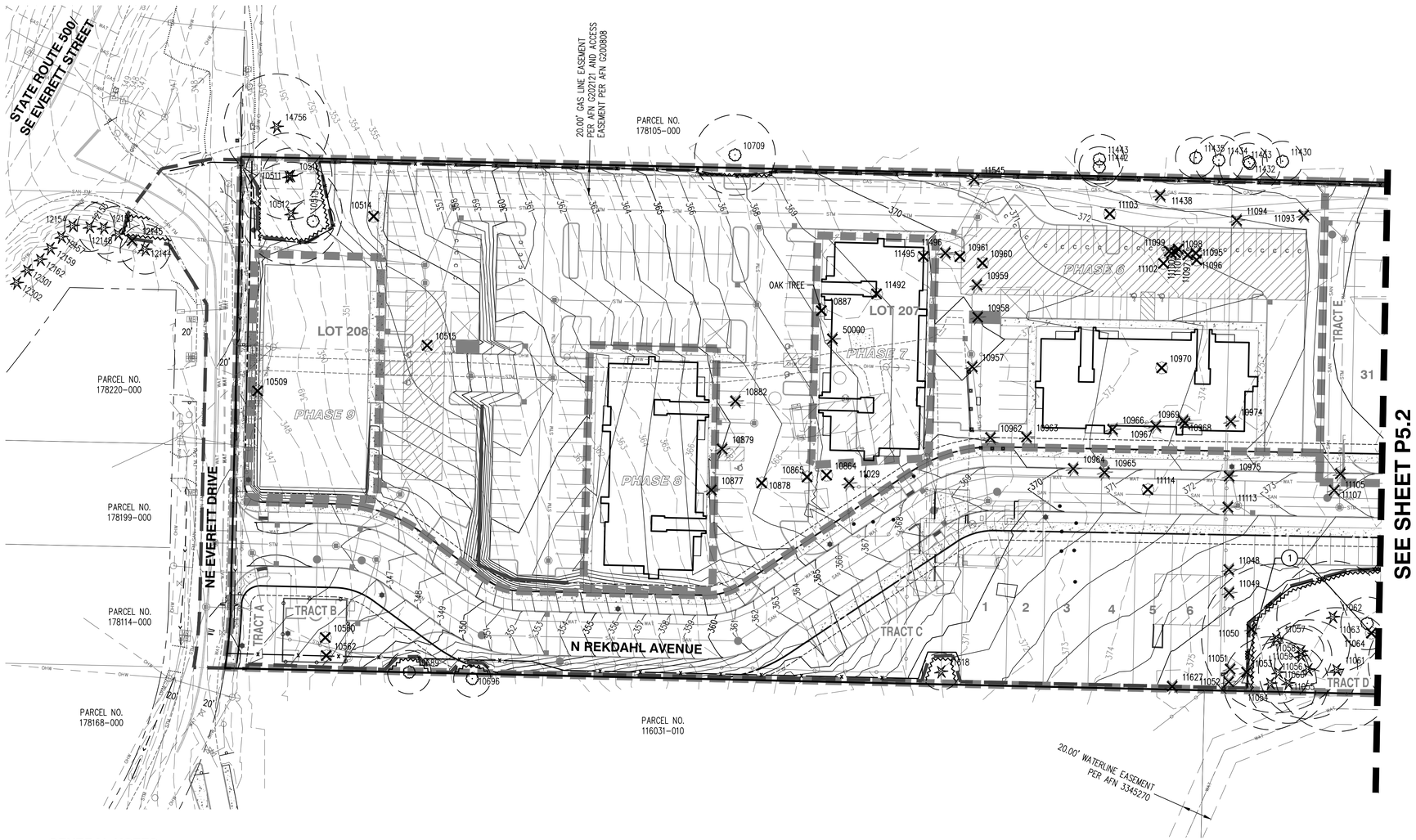
PRELIMINARY PLAT
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

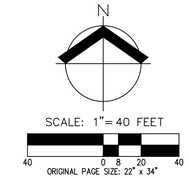
PRELIMINARY NOT FOR CONSTRUCTION

JOB NUMBER:	8397
DATE:	11/1/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P3.4

AKS DRAWING FILE: 8397 P3 PRELIM PLATLWG | LAYOUT: P3.4





TREE PROTECTION KEYED NOTES:

1. ARBORIST OBSERVATION REQUIRED DURING TREE REMOVAL BEHIND TREE PROTECTION FENCE.
2. IMPACTS TO OFF-SITE TREES EXCEEDS RECOMMENDED CRITICAL ROOT AREA IMPACTS. A CERTIFIED ARBORIST IS TO BE PRESENT DURING EXCAVATION ACTIVITIES IN THIS AREA. COORDINATION WITH ADJACENT PARCEL OWNER SHOULD BE COMPLETED PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES. ADDITIONAL ROOT EXPLORATION MAY BE NECESSARY TO DETERMINE ROOT IMPACTS FOR EACH TREE. IF IMPACTS ARE TOO SEVERE, TREE REMOVAL MAY BE NECESSARY WITH OWNER'S PERMISSION.
3. NO TREE REMOVAL WILL OCCUR WITHIN TRACT X. FINAL DISTURBANCE WITHIN TRACT X WILL BE MINIMIZED TO PROTECT EXISTING TREES AND VEGETATION.
4. OAK TREE TO BE RELOCATED PER ECOLOGICAL LAND SERVICES (ELS) REPORT.

LEGEND

EXISTING GROUND CONTOUR (1 FT)	149
EXISTING GROUND CONTOUR (5 FT)	150
FINISHED GRADE CONTOUR (1 FT)	149
FINISHED GRADE CONTOUR (5 FT)	150
EXISTING CONIFEROUS TREE	
EXISTING DECIDUOUS TREE	
TREE REMOVAL	
TREE PROTECTION/CONSTRUCTION FENCE (TREE PROTECTION AREA)	
ORANGE SEDIMENT FENCE	x x
STRAW WATTLE (TO BE USED WITHIN THE ASSUMED ROOT ZONES OF TREES TO BE PRESERVED)	xxx xxx
ASSUMED TREE ROOT ZONE (1-FT RADIUS PER 1-IN OF DBH)	

GENERAL NOTES

1. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO DEMOLITION AND SITE GRADING ACTIVITIES. SEE DETAIL ON SHEET P5.1.
2. SEE SHEET P5.4 – P5.7 FOR TREE INVENTORY.
3. SEE SHEET P5.8 FOR TREE PROTECTION NOTES.
4. SOIL MITIGATION AND ENHANCEMENT MAY BE NECESSARY POST CONSTRUCTION TO ENHANCE COMPACTED SOILS AROUND TREE BASE AND ENCOURAGE TREE HEALTH.
5. THE PROJECT ARBORIST MAY REQUIRE ALTERNATIVE CONSTRUCTION MATERIALS OR METHODS DURING CONSTRUCTION TO PROTECT AND AVOID REMOVAL OF SOME ROOT SYSTEMS.
6. VARIOUS TREES EXHIBIT FORMS OF HEALTH CONCERNS OR STRUCTURAL DEFECTS, AS NOTED IN THE TREE TABLE (P5.4–P5.7), THAT CURRENTLY PRESENT MINIMAL CONCERNS; HOWEVER, IT IS RECOMMENDED TO MONITOR THESE TREES OVER TIME AS ADDITIONAL MITIGATION OPTIONS MAY BE WARRANTED IF THE HEALTH AND/OR STRUCTURAL CONDITIONS WORSEN. WE RECOMMEND USING A CERTIFIED ARBORIST FOR FUTURE MONITORING.
7. MINIMUM TREE DENSITY FOR THIS SITE IS TO FOLLOW GUIDELINES OUTLINED IN CITY OF CAMAS CODE, SECTION 18.13.051, FOR SITES WITHIN THE NORTH SHORE SUBAREA.

TREE PLAN

GROSS SITE AREA:	1,584,277 SF (36.37 AC)
* NET SITE AREA:	1,315,051 SF (30.35 AC)
TOTAL TREE UNITS REQUIRED (30.35 AC X 30):	910.5
EXISTING TREES RETAINED/(TREE UNITS):	196/(707)
PROPOSED SITE TREES/(TREE UNITS):	259
TOTAL TREE UNITS: (RETAINED AND PROPOSED)	966

NOTE: SEE LANDSCAPING PLANS (P11.0–P11.1) FOR PROPOSED TREE PLANTING PLAN
* NET AREA EXCLUDES OPEN SPACE AND CRITICAL AREA

CERTIFIED ARBORIST
PRELIMINARY NOT FOR CONSTRUCTION
ISA
BRYCE D. HANSON
CERTIFICATE NUMBER: PN 7554A
EXPIRATION DATE: 06/30/25

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VANCOUVER, WA 98682
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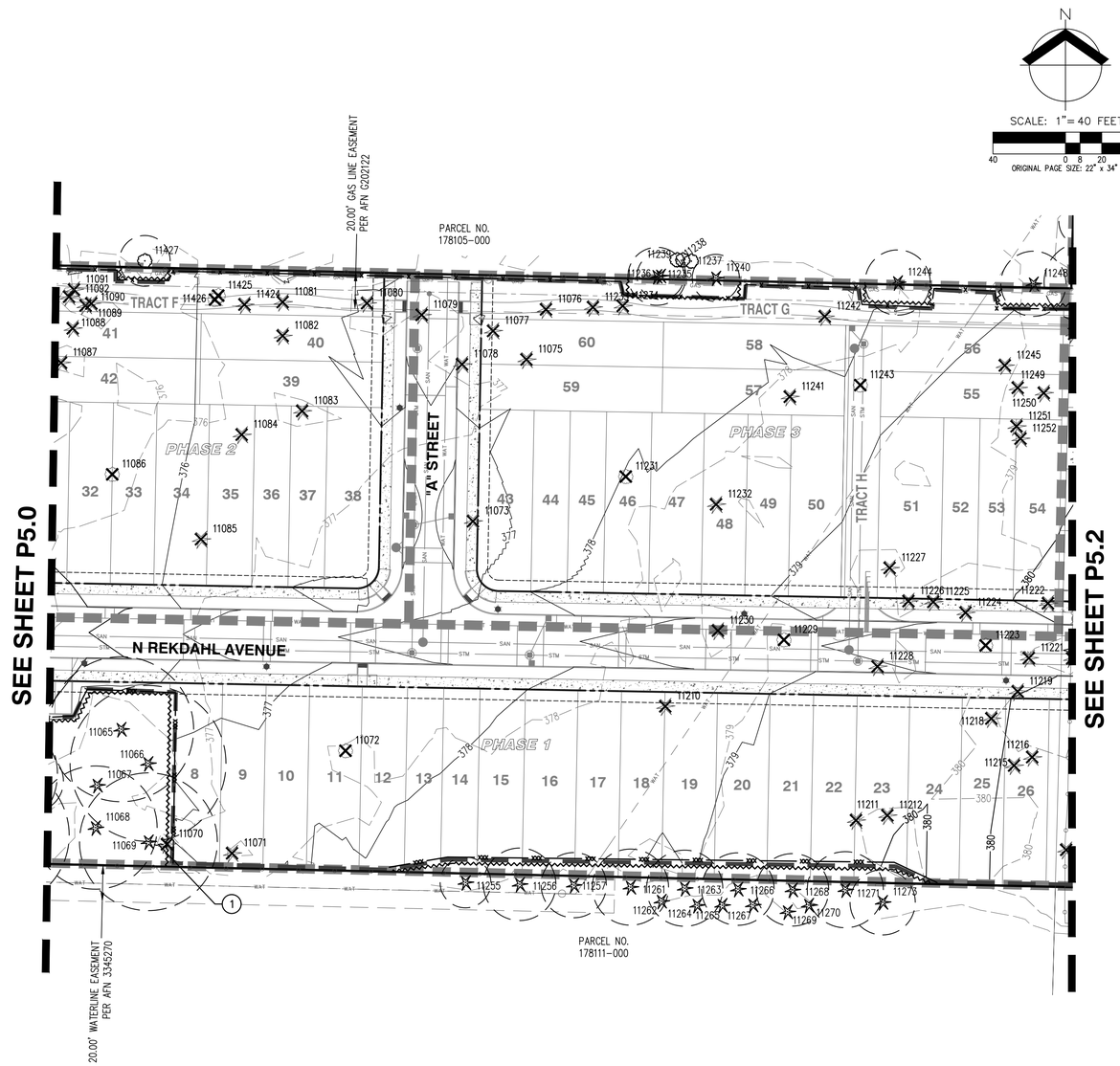
PRELIMINARY TREE PRESERVATION AND REMOVAL PLAN
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

JOB NUMBER:	8397
DATE:	11/14/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P5.0

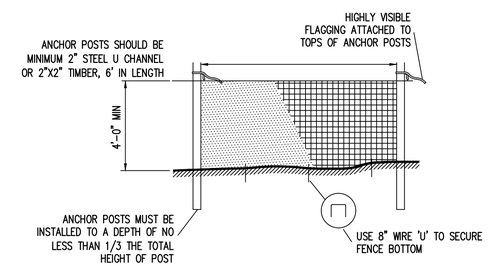


LEGEND

EXISTING GROUND CONTOUR (1 FT)	149
EXISTING GROUND CONTOUR (5 FT)	150
FINISHED GRADE CONTOUR (1 FT)	149
FINISHED GRADE CONTOUR (5 FT)	150
EXISTING CONIFEROUS TREE	
EXISTING DECIDUOUS TREE	
TREE REMOVAL	
TREE PROTECTION/CONSTRUCTION FENCE (TREE PROTECTION AREA)	
ORANGE SEDIMENT FENCE	x x
STRAW WATTLE (TO BE USED WITHIN THE ASSUMED ROOT ZONES OF TREES TO BE PRESERVED)	xxx xxx
ASSUMED TREE ROOT ZONE (1-FT RADIUS PER 1-IN OF DBH)	

TREE PROTECTION KEYED NOTES:

1. ARBORIST OBSERVATION REQUIRED DURING TREE REMOVAL BEHIND TREE PROTECTION FENCE.
2. IMPACTS TO OFF-SITE TREES EXCEEDS RECOMMENDED CRITICAL ROOT AREA IMPACTS. A CERTIFIED ARBORIST IS TO BE PRESENT DURING EXCAVATION ACTIVITIES IN THIS AREA. COORDINATION WITH ADJACENT PARCEL OWNER SHOULD BE COMPLETED PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES. ADDITIONAL ROOT EXPLORATION MAY BE NECESSARY TO DETERMINE ROOT IMPACTS FOR EACH TREE. IF IMPACTS ARE TOO SEVERE, TREE REMOVAL MAY BE NECESSARY WITH OWNER'S PERMISSION.
3. NO TREE REMOVAL WILL OCCUR WITHIN TRACT X. FINAL DISTURBANCE WITHIN TRACT X WILL BE MINIMIZED TO PROTECT EXISTING TREES AND VEGETATION.
4. OAK TREE TO BE RELOCATED PER ECOLOGICAL LAND SERVICES (ELS) REPORT.



PLASTIC MESH TREE PROTECTION FENCE
NOT TO SCALE

GENERAL NOTES

1. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO DEMOLITION AND SITE GRADING ACTIVITIES. SEE DETAIL ON SHEET P5.1.
2. SEE SHEET P5.4 – P5.7 FOR TREE INVENTORY.
3. SEE SHEET P5.8 FOR TREE PROTECTION NOTES.
4. SOIL MITIGATION AND ENHANCEMENT MAY BE NECESSARY POST CONSTRUCTION TO ENHANCE COMPACTED SOILS AROUND TREE BASE AND ENCOURAGE TREE HEALTH.
5. THE PROJECT ARBORIST MAY REQUIRE ALTERNATIVE CONSTRUCTION MATERIALS OR METHODS DURING CONSTRUCTION TO PROTECT AND AVOID REMOVAL OF SOME ROOT SYSTEMS.
6. VARIOUS TREES EXHIBIT FORMS OF HEALTH CONCERNS OR STRUCTURAL DEFECTS, AS NOTED IN THE TREE TABLE (P5.4–P5.7), THAT CURRENTLY PRESENT MINIMAL CONCERNS; HOWEVER, IT IS RECOMMENDED TO MONITOR THESE TREES OVER TIME AS ADDITIONAL MITIGATION OPTIONS MAY BE WARRANTED IF THE HEALTH AND/OR STRUCTURAL CONDITIONS WORSEN. WE RECOMMEND USING A CERTIFIED ARBORIST FOR FUTURE MONITORING.
7. MINIMUM TREE DENSITY FOR THIS SITE IS TO FOLLOW GUIDELINES OUTLINED IN CITY OF CAMAS CODE, SECTION 18.13.051, FOR SITES WITHIN THE NORTH SHORE SUBAREA.

TREE PLAN

GROSS SITE AREA:	1,584,277 SF (36.37 AC)
* NET SITE AREA:	1,315,051 SF (30.35 AC)
TOTAL TREE UNITS REQUIRED (30.35 AC X 30):	910.5
EXISTING TREES RETAINED/(TREE UNITS):	196/(707)
PROPOSED SITE TREES/(TREE UNITS):	259
TOTAL TREE UNITS: (RETAINED AND PROPOSED)	966

NOTE: SEE LANDSCAPING PLANS (P11.0–P11.1) FOR PROPOSED TREE PLANTING PLAN
* NET AREA EXCLUDES OPEN SPACE AND CRITICAL AREA

TREE PROTECTION FENCE NOTES

1. BLAZE ORANGE OR BLUE PLASTIC MESH FENCE FOR TREE PROTECTION DEVICE, ONLY.
2. BOUNDARIES OF PROTECTION AREA WILL BE ESTABLISHED IN THE FIELD BY THE ARBORIST PRIOR TO CONSTRUCTION
3. BOUNDARIES OF PROTECTION AREA SHOULD BE STAKED AND FLAGGED BY THE ARBORIST, OR UNDER THE SUPERVISION OF THE ARBORIST, PRIOR TO INSTALLING DEVICES.
4. AVOID DAMAGE TO CRITICAL ROOT ZONE. DO NOT DAMAGE OR SEVER LARGE ROOTS WHEN INSTALLING POSTS.
5. TREE PROTECTION TO BE INSTALLED PRIOR TO CONSTRUCTION AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.

CERTIFIED ARBORIST
PRELIMINARY
NOT FOR CONSTRUCTION
ISA
BRYCE D. HANSON
CERTIFICATE NUMBER: PN 7554A
EXPIRATION DATE: 06/30/25

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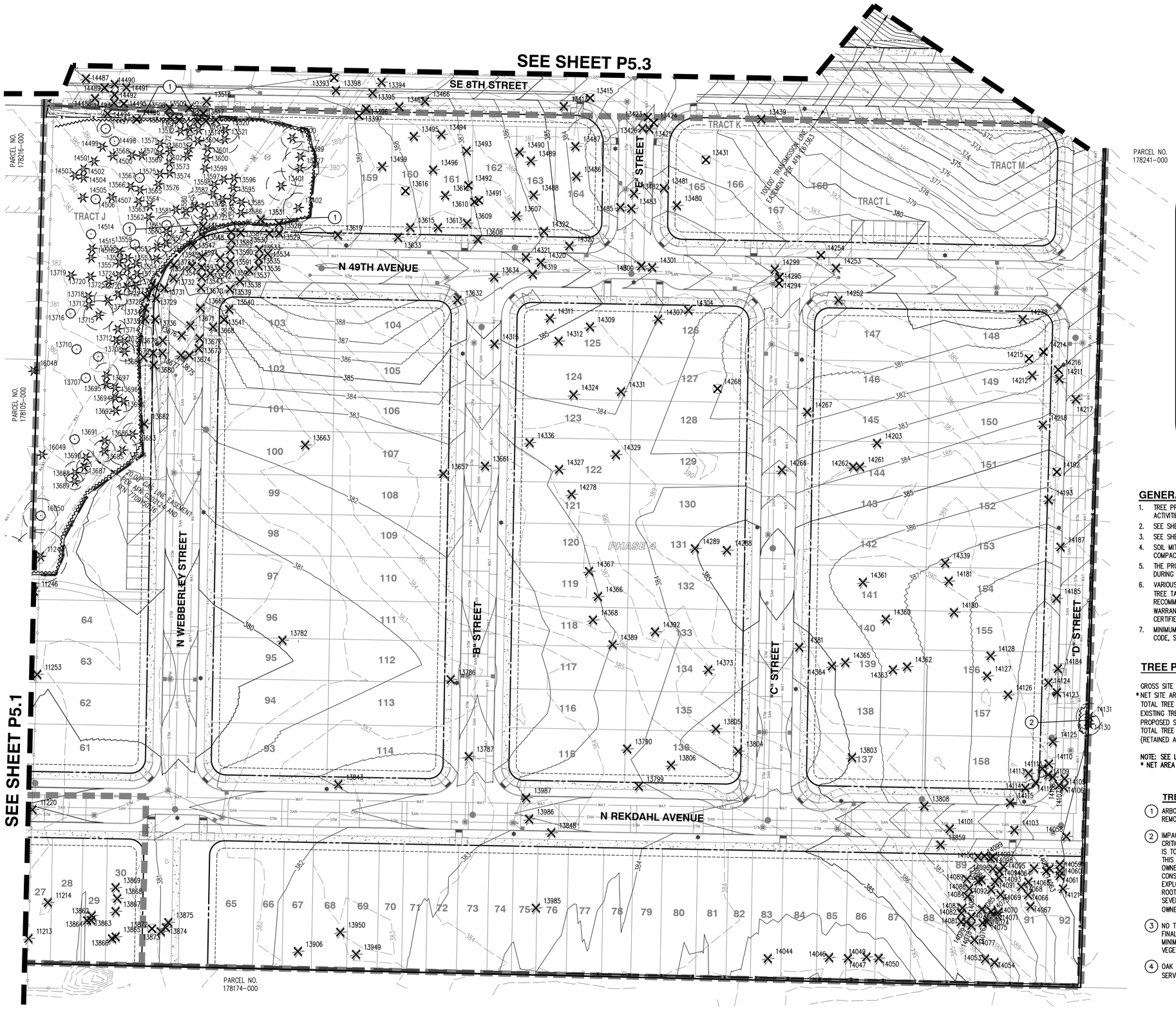
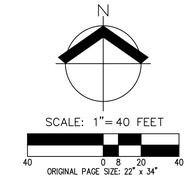
FORESTRY · PLANNING · LANDSCAPE ARCHITECTURE

PRELIMINARY TREE PRESERVATION AND REMOVAL PLAN
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

JOB NUMBER:	8397
DATE:	11/14/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P5.1





LEGEND

EXISTING GROUND CONTOUR (1 FT)	149
EXISTING GROUND CONTOUR (5 FT)	150
FINISHED GRADE CONTOUR (1 FT)	149
FINISHED GRADE CONTOUR (5 FT)	150
EXISTING CONIFEROUS TREE	
EXISTING DECIDUOUS TREE	
TREE REMOVAL	
TREE PROTECTION/CONSTRUCTION FENCE (TREE PROTECTION AREA)	
ORANGE SEDIMENT FENCE	x x
STRAW WATTLE (TO BE USED WITHIN THE ASSUMED ROOT ZONES OF TREES TO BE PRESERVED)	xxx xxx
ASSUMED TREE ROOT ZONE (1-FT RADIUS PER 1-IN OF DBH)	

GENERAL NOTES

1. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO DEMOLITION AND SITE GRADING ACTIVITIES. SEE DETAIL ON SHEET P5.1.
2. SEE SHEET P5.4–P5.7 FOR TREE INVENTORY.
3. SEE SHEET P5.8 FOR TREE PROTECTION NOTES.
4. SOIL MITIGATION AND ENHANCEMENT MAY BE NECESSARY POST CONSTRUCTION TO ENHANCE COMPACTED SOILS AROUND TREE BASE AND ENCOURAGE TREE HEALTH.
5. THE PROJECT ARBORIST MAY REQUIRE ALTERNATIVE CONSTRUCTION MATERIALS OR METHODS DURING CONSTRUCTION TO PROTECT AND AVOID REMOVAL OF SOME ROOT SYSTEMS.
6. VARIOUS TREES EXHIBIT FORMS OF HEALTH CONCERNS OR STRUCTURAL DEFECTS, AS NOTED IN THE TREE TABLE (P5.4–P5.7), THAT CURRENTLY PRESENT MINIMAL CONCERNS; HOWEVER, IT IS RECOMMENDED TO MONITOR THESE TREES OVER TIME AS ADDITIONAL MITIGATION OPTIONS MAY BE WARRANTED IF THE HEALTH AND/OR STRUCTURAL CONDITIONS WORSEN. WE RECOMMEND USING A CERTIFIED ARBORIST FOR FUTURE MONITORING.
7. MINIMUM TREE DENSITY FOR THIS SITE IS TO FOLLOW GUIDELINES OUTLINED IN CITY OF CAMAS CODE, SECTION 18.13.051, FOR SITES WITHIN THE NORTH SHORE SUBAREA.

TREE PLAN

GROSS SITE AREA:	1,584,277 SF (36.37 AC)
* NET SITE AREA:	1,315,051 SF (30.35 AC)
TOTAL TREE UNITS REQUIRED (30.35 AC X 30):	910.5
EXISTING TREES RETAINED/(TREE UNITS):	196/(707)
PROPOSED SITE TREES/(TREE UNITS):	259
TOTAL TREE UNITS: (RETAINED AND PROPOSED)	966

NOTE: SEE LANDSCAPING PLANS (P11.0–P11.1) FOR PROPOSED TREE PLANTING PLAN
* NET AREA EXCLUDES OPEN SPACE AND CRITICAL AREA

TREE PROTECTION KEYED NOTES:

1. ARBORIST OBSERVATION REQUIRED DURING TREE REMOVAL BEHIND TREE PROTECTION FENCE.
2. IMPACTS TO OFF-SITE TREES EXCEEDS RECOMMENDED CRITICAL ROOT AREA IMPACTS. A CERTIFIED ARBORIST IS TO BE PRESENT DURING EXCAVATION ACTIVITIES IN THIS AREA. COORDINATION WITH ADJACENT PARCEL OWNER SHOULD BE COMPLETED PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES. ADDITIONAL ROOT EXPLORATION MAY BE NECESSARY TO DETERMINE ROOT IMPACTS FOR EACH TREE. IF IMPACTS ARE TOO SEVERE, TREE REMOVAL MAY BE NECESSARY WITH OWNER'S PERMISSION.
3. NO TREE REMOVAL WILL OCCUR WITHIN TRACT X. FINAL DISTURBANCE WITHIN TRACT X WILL BE MINIMIZED TO PROTECT EXISTING TREES AND VEGETATION.
4. OAK TREE TO BE RELOCATED PER ECOLOGICAL LAND SERVICES (ELS) REPORT.

CERTIFIED ARBORIST
PRELIMINARY NOT FOR CONSTRUCTION
ISA

BRYCE D. HANSON
CERTIFICATE NUMBER: PN 7554A
EXPIRATION DATE: 06/30/25

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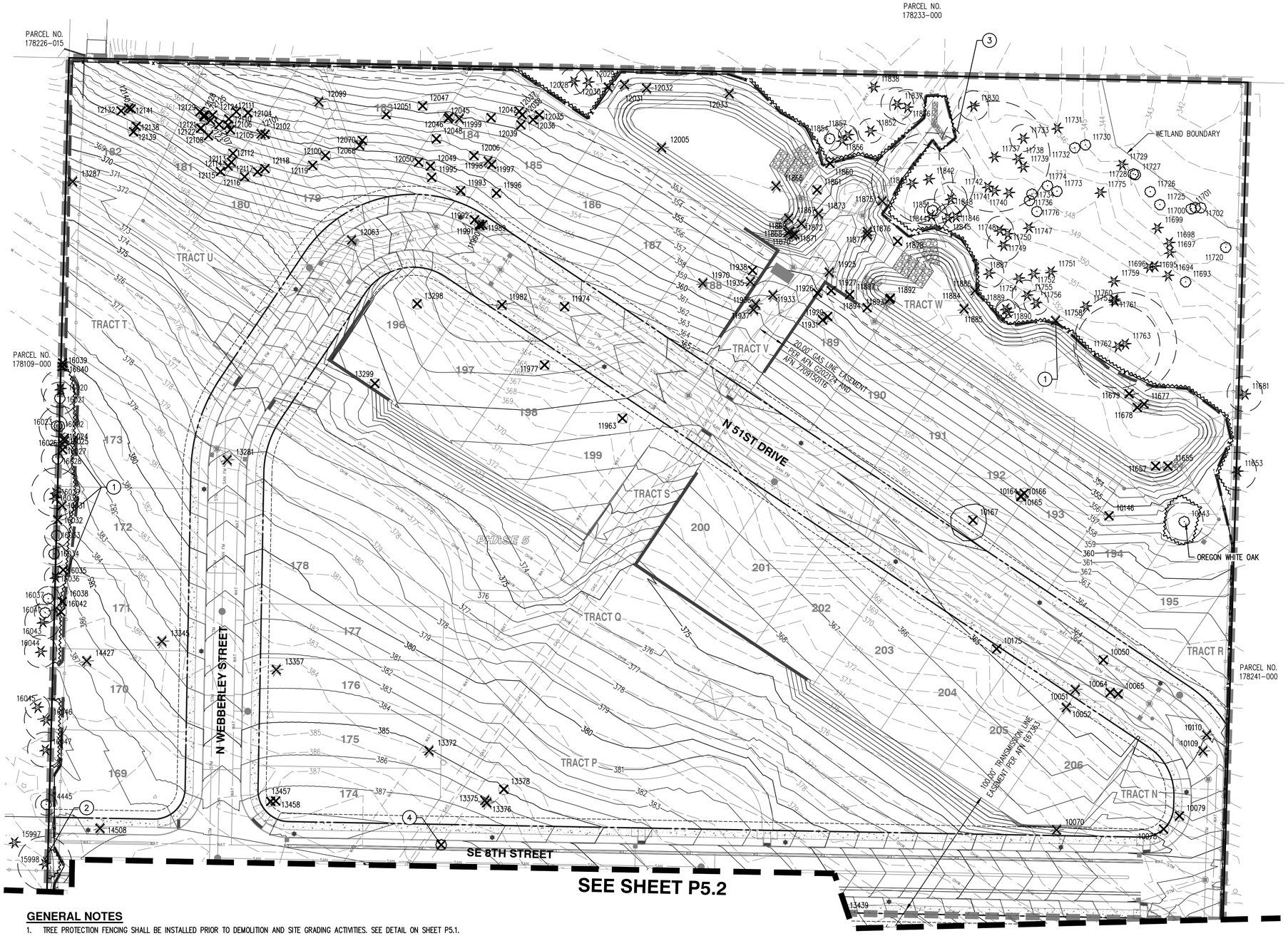
FORESTRY - PLANNING - LANDSCAPE ARCHITECTURE

PRELIMINARY TREE PRESERVATION AND REMOVAL PLAN
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

JOB NUMBER:	8397
DATE:	11/14/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH



SCALE: 1"=40 FEET

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ORIGINAL PAGE SIZE: 22" x 34"

LEGEND

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EXISTING DECIDUOUS TREE	
TREE REMOVAL	
TREE PROTECTION/CONSTRUCTION FENCE (TREE PROTECTION AREA)	
ORANGE SEDIMENT FENCE	x x
STRAW WATTLE (TO BE USED WITHIN THE ASSUMED ROOT ZONES OF TREES TO BE PRESERVED)	xxx xxx
ASSUMED TREE ROOT ZONE (1-FT RADIUS PER 1-IN OF DBH)	

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GENERAL NOTES

1. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO DEMOLITION AND SITE GRADING ACTIVITIES. SEE DETAIL ON SHEET P5.1.
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NOTE: SEE LANDSCAPING PLANS (P11.0–P11.1) FOR PROPOSED TREE PLANTING PLAN
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PRELIMINARY TREE PRESERVATION AND REMOVAL PLAN
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

CERTIFIED ARBORIST
PRELIMINARY CONSTRUCTION
ISA

BRYCE D. HANSON
CERTIFICATE NUMBER: PN 7554A
EXPIRATION DATE: 06/30/25

JOB NUMBER:	8397
DATE:	11/14/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P5.3

AKS DRAWING FILE: 8397 P5 TREE.DWG | LAYOUT: P5.3

Detailed Tree Inventory for Camas Woods

AKS Job No. 8397 - Evaluation Date: 12/20/2023-12-21/2023 - Evaluated By: BRK

Tree #	DBH (in.)	Tree Species Common Name (Scientific name)	Tree Units Initial	Condition/Comments	Windthrow Rating	Reason for Removal	Tree Units Retained
10050	13	Bigleaf Maple (Acer macrophyllum)	3		C	Impacts from public road construction	0
10051	13	Douglas-fir (Pseudotsuga menziesii)	3		C	Impacts from sidewalk and curb construction	0
10052	13	Douglas-fir (Pseudotsuga menziesii)	3	Codominant with included bark	B	Impacts from lot grading	0
10064	15	Bigleaf Maple (Acer macrophyllum)	4		C	Impacts from public road construction	0
10065	12	Willow (Salix spp.)	2		C	Impacts from public road construction	0
10070	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
10078	15	Bigleaf Maple (Acer macrophyllum)	4		C	Impacts from sidewalk and curb construction	0
10079	17	Bigleaf Maple (Acer macrophyllum)	5		C	Impacts from sidewalk and curb construction	0
10109	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
10110	13	Douglas-fir (Pseudotsuga menziesii)	3		C	Impacts from public road construction	0
10143	14	Oregon White Oak (Quercus garryana)	3		C	Preserve	3
10146	12	Oregon Ash (Fraxinus latifolia)	2		C	Impacts from lot grading	0
10164	12	Willow (Salix spp.)	2	Small cavities with decay; Dead and broken branches	B	Impacts from lot grading	0
10165	12	Willow (Salix spp.)	2	Small cavities with decay; Dead and broken branches	B	Impacts from lot grading	0
10166	13	Willow (Salix spp.)	3	Small cavities with decay; Dead and broken branches	B	Impacts from lot grading	0
10167	17	Oregon White Oak (Quercus garryana)	5	Broken leader at top; Decay	B	Impacts from lot grading	0
10175	14	Bigleaf Maple (Acer macrophyllum)	3		C	Impacts from lot grading	0
10509	20	Bigleaf Maple (Acer macrophyllum)	6	Codominant with included bark	B	Impacts from lot grading	0
10510	18	Douglas-fir (Pseudotsuga menziesii)	5		C	Preserve	5
10511	28	Douglas-fir (Pseudotsuga menziesii)	10		C	Preserve	10
10512	33	Douglas-fir (Pseudotsuga menziesii)	13		C	Preserve	13
10513	14	Bigleaf Maple (Acer macrophyllum)	3		C	Preserve	3
10514	25	Bigleaf Maple (Acer macrophyllum)	9		C	Impacts from lot grading	0
10515	13	Apple (Malus domestica)	3	Sapsucker bore holes; Pruned limbs	B	Impacts from lot grading	0
10560	15	Sweet Cherry (Prunus avium)	4	50% Ivy coverage; 1 sided canopy (N)	B	Impacts from site grading	0
10562	16	Bigleaf Maple (Acer macrophyllum)	4		C	Impacts from site grading	0
10689	14,14,12,8,8,8	Red Alder (Alnus rubra)	10	LINE TREE; Dead tops	A	Preserve	10
10696	12	Willow (Salix spp.)	0	OFFSITE; Codominant with included bark	B	Preserve	0
10709	26,16,13	Bigleaf Maple (Acer macrophyllum)	0	OFFSITE; Several cavities with decay; Dead tops	A	Preserve	0
10864	16	Black Locust (Robinia pseudoacacia)	4		C	Impacts from lot grading	0
10865	12	Black Locust (Robinia pseudoacacia)	2	Codominant with included bark	B	Impacts from lot grading	0
10877	36	Douglas-fir (Pseudotsuga menziesii)	14		C	Impacts from lot grading	0
10878	35	Bigleaf Maple (Acer macrophyllum)	14	Codominant with included bark; Dead branches	B	Impacts from lot grading	0
10879	40	Douglas-fir (Pseudotsuga menziesii)	16	Codominant top	B	Impacts from lot grading	0
10882	55	Douglas-fir (Pseudotsuga menziesii)	23.5	Codominant top	B	Impacts from lot grading	0
10887	11	Oregon White Oak (Quercus garryana)	2		C	Impacts from lot grading	0
10957	13	Blue Spruce (Picea pungens)	3		C	Impacts from lot grading	0
10958	14	Blue Spruce (Picea pungens)	3	Codominant stems	B	Impacts from lot grading	0
10959	11	Blue Spruce (Picea pungens)	2	Codominant top	B	Impacts from lot grading	0
10960	12	Bigleaf Maple (Acer macrophyllum)	2		C	Impacts from lot grading	0
10961	19	Bigleaf Maple (Acer macrophyllum)	6		C	Impacts from lot grading	0
10962	18	Blue Spruce (Picea pungens)	5	Codominant top	B	Impacts from lot grading	0
10963	14	Blue Spruce (Picea pungens)	3		B	Impacts from lot grading	0
10964	55	Redwood (Sequoia sempervirens)	23.5		C	Impacts from public road construction	0
10965	45	Redwood (Sequoia sempervirens)	19	Codominant with included bark	B	Impacts from public road construction	0
10966	35	Douglas-fir (Pseudotsuga menziesii)	14		C	Impacts from lot grading	0
10967	32	Douglas-fir (Pseudotsuga menziesii)	12		C	Impacts from lot grading	0
10968	18	Douglas-fir (Pseudotsuga menziesii)	5		C	Impacts from lot grading	0
10969	16	Douglas-fir (Pseudotsuga menziesii)	4		C	Impacts from lot grading	0
10970	36	Sweet Cherry (Prunus avium)	14	Failed primary stem; Significant Decay	A	Impacts from lot grading	0
10974	16	Grand Fir (Abies grandis)	4		C	Impacts from lot grading	0
10975	18	Douglas-fir (Pseudotsuga menziesii)	5		C	Impacts from public road construction	0
11029	16	Blue Spruce (Picea pungens)	4		C	Impacts from lot grading	0
11048	16	Western Redcedar (Thuja plicata)	4		C	Impacts from lot grading	0
11049	8	Western Redcedar (Thuja plicata)	2		C	Impacts from lot grading	0
11050	32	Douglas-fir (Pseudotsuga menziesii)	12		C	Impacts from lot grading	0
11051	20	Douglas-fir (Pseudotsuga menziesii)	6		C	Impacts from lot grading	0
11052	31	Douglas-fir (Pseudotsuga menziesii)	12		C	Impacts from lot grading	0
11053	45	Douglas-fir (Pseudotsuga menziesii)	19		C	Impacts from lot grading	0
11054	30	Douglas-fir (Pseudotsuga menziesii)	11		C	Preserve	11
11055	26	Douglas-fir (Pseudotsuga menziesii)	9		C	Preserve	9
11056	20	Douglas-fir (Pseudotsuga menziesii)	6		C	Preserve	6
11057	48	Grand Fir (Abies grandis)	20		C	Preserve	20
11058	15	Douglas-fir (Pseudotsuga menziesii)	4		C	Preserve	4
11059	20	Douglas-fir (Pseudotsuga menziesii)	6		C	Preserve	6
11060	32	Douglas-fir (Pseudotsuga menziesii)	12		C	Preserve	12
11061	40	Douglas-fir (Pseudotsuga menziesii)	16		C	Preserve	16
11062	36	Douglas-fir (Pseudotsuga menziesii)	14		C	Preserve	14
11063	17	Bigleaf Maple (Acer macrophyllum)	5		C	Preserve	5
11064	22	Bigleaf Maple (Acer macrophyllum)	7	Sluffing bark; Dead top; codominant with included bark	A	Hazard tree	0
11065	40	Douglas-fir (Pseudotsuga menziesii)	16		C	Preserve	16
11066	43	Douglas-fir (Pseudotsuga menziesii)	18		C	Preserve	18
11067	33	Douglas-fir (Pseudotsuga menziesii)	13		C	Preserve	13
11068	34	Douglas-fir (Pseudotsuga menziesii)	13		C	Preserve	13
11069	38	Douglas-fir (Pseudotsuga menziesii)	15		C	Preserve	15
11070	36	Douglas-fir (Pseudotsuga menziesii)	14		C	Impacts from site grading	0
11071	30	Douglas-fir (Pseudotsuga menziesii)	11	Codominant top	B	Impacts from lot grading	0
11072	42	Bigleaf Maple (Acer macrophyllum)	17	Codominant with included bark	B	Impacts from lot grading	0
11073	47	Douglas-fir (Pseudotsuga menziesii)	20		C	Impacts from sidewalk and curb construction	0
11075	36	Douglas-fir (Pseudotsuga menziesii)	14		C	Impacts from lot grading	0

Detailed Tree Inventory for Camas Woods

AKS Job No. 8397 - Evaluation Date: 12/20/2023-12-21/2023 - Evaluated By: BRK

Tree #	DBH (in.)	Tree Species Common Name (Scientific name)	Tree Units Initial	Condition/Comments	Windthrow Rating	Reason for Removal	Tree Units Retained
11076	32	Douglas-fir (Pseudotsuga menziesii)	12		C	Impacts from sidewalk and curb construction	0
11077	30	Douglas-fir (Pseudotsuga menziesii)	11		C	Impacts from lot grading	0
11078	30	Douglas-fir (Pseudotsuga menziesii)	11		C	Impacts from sidewalk and curb construction	0
11079	28	Douglas-fir (Pseudotsuga menziesii)	10		C	Impacts from public road construction	0
11080	28	Douglas-fir (Pseudotsuga menziesii)	10		C	Impacts from sidewalk and curb construction	0
11081	28	Douglas-fir (Pseudotsuga menziesii)	10		C	Impacts from sidewalk and curb construction	0
11082	32	Douglas-fir (Pseudotsuga menziesii)	12	Codominant top	B	Impacts from lot grading	0
11083	33	Douglas-fir (Pseudotsuga menziesii)	13		C	Impacts from lot grading	0
11084	44	Douglas-fir (Pseudotsuga menziesii)	18		C	Impacts from lot grading	0
11085	45	Douglas-fir (Pseudotsuga menziesii)	19		C	Impacts from lot grading	0
11086	22	European White Birch (Betula pendula)	7	Dead top; In decline	A	Impacts from lot grading	0
11087	36	Douglas-fir (Pseudotsuga menziesii)	14		C	Impacts from lot grading	0
11088	28	Douglas-fir (Pseudotsuga menziesii)	10		C	Impacts from lot grading	0
11089	19	Douglas-fir (Pseudotsuga menziesii)	6		C	Impacts from sidewalk and curb construction	0
11090	28	Douglas-fir (Pseudotsuga menziesii)	10		C	Impacts from sidewalk and curb construction	0
11091	19	Douglas-fir (Pseudotsuga menziesii)	6		C	Impacts from sidewalk and curb construction	0
11092	26	Douglas-fir (Pseudotsuga menziesii)	9		C	Impacts from sidewalk and curb construction	0
11093	26	Douglas-fir (Pseudotsuga menziesii)	9		C	Impacts from lot grading	0
11094	32	Douglas-fir (Pseudotsuga menziesii)	12	Codominant with included bark	B	Impacts from lot grading	0
11095	20	Bigleaf Maple (Acer macrophyllum)	6		C	Impacts from lot grading	0
11096	36	Bigleaf Maple (Acer macrophyllum)	14	Large broken limbs	B	Impacts from lot grading	0
11097	12	Bigleaf Maple (Acer macrophyllum)	2	High canopy	C	Impacts from lot grading	0
11098	23	Bigleaf Maple (Acer macrophyllum)	8		C	Impacts from lot grading	0
11099	20	Bigleaf Maple (Acer macrophyllum)	6	Dead	A	Impacts from lot grading	0
11100	16	Bigleaf Maple (Acer macrophyllum)	4	Dead	A	Impacts from lot grading	0
11101	15	Bigleaf Maple (Acer macrophyllum)	4	High canopy; Broken limbs	B	Impacts from lot grading	0
11102	38	Bigleaf Maple (Acer macrophyllum)	15	Dead top; 1-sided canopy (W)	A	Impacts from lot grading	0
11103	27	Bigleaf Maple (Acer macrophyllum)	10		C	Impacts from lot grading	0
11105	46,24	Douglas-fir (Pseudotsuga menziesii)	21.5		C	Impacts from public road construction	0
11107	48	Douglas-fir (Pseudotsuga menziesii)	20	Deformed top	B	Impacts from public road construction	0
11113	20	Douglas-fir (Pseudotsuga menziesii)	6		C	Impacts from public road construction	0
11114	16	English Walnut (Juglans regia)	4	Large failed limbs; Cavities	B	Impacts from public road construction	0
11210	36	Douglas-fir (Pseudotsuga menziesii)	14	Abnormal dead branches; Poor wound wood	B	Impacts from lot grading	0
11211	36	Douglas-fir (Pseudotsuga menziesii)	14		C	Impacts from lot grading	0
11212	40	Douglas-fir (Pseudotsuga menziesii)	16		C	Impacts from lot grading	0
11213	30	Douglas-fir (Pseudotsuga menziesii)	11		C	Impacts from lot grading	0
11214	47	Douglas-fir (Pseudotsuga menziesii)	20	Dead (~60')	A	Impacts from lot grading	0
11215	36	Douglas-fir (Pseudotsuga menziesii)	14		C	Impacts from lot grading	0
11216	28	Douglas-fir (Pseudotsuga menziesii)	10		C	Impacts from lot grading	0
11218	42,12	Douglas-fir (Pseudotsuga menziesii)	18		C	Impacts from lot grading	0
11219	26	Douglas-fir (Pseudotsuga menziesii)	9		C	Impacts from sidewalk and curb construction	0
11220	30	Douglas-fir (Pseudotsuga menziesii)	11		C	Impacts from public road construction	0
11221	30	Douglas-fir (Pseudotsuga menziesii)	11		C	Impacts from public road construction	0
11222	40	Douglas-fir (Pseudotsuga menziesii)	16		C	Impacts from sidewalk and curb construction	0
11223	38	Bigleaf Maple (Acer macrophyllum)	15	large broken limbs	C	Impacts from public road construction	0
11224	26	Douglas-fir (Pseudotsuga menziesii)	9		C	Impacts from sidewalk and curb construction	0
11225	34	Douglas-fir (Pseudotsuga menziesii)	13	Codominant top	B	Impacts from sidewalk and curb construction	0
11226	32	Douglas-fir (Pseudotsuga menziesii)	12		C	Impacts from sidewalk and curb construction	0
11227	44	Douglas-fir (Pseudotsuga menziesii)	18	Codominant top	B	Impacts from public road construction	0
11228	42	Douglas-fir (Pseudotsuga menziesii)	17	Codominant top	B	Impacts from public road construction	0
11229	50	Bigleaf Maple (Acer macrophyllum)	21		C	Impacts from public road construction	0
11230	40	Douglas-fir (Pseudotsuga menziesii)	16		C	Impacts from public road construction	0
11231	54	Black Cottonwood (Populus trichocarpa)	23	50% Ivy coverage	C	Impacts from lot grading	0
11232	40	Douglas-fir (Pseudotsuga menziesii)	16		C	Impacts from lot grading	0
11233	32	Douglas-fir (Pseudotsuga menziesii)	12		C	Impacts from sidewalk and curb construction	0
11234	30	Douglas-fir (Pseudotsuga menziesii)	11		C	Impacts from sidewalk and curb construction	0
11235	13	Douglas-fir (Pseudotsuga menziesii)	0	OFFSITE; Codominant top; High canopy	B	Preserve	0
11236	16	Douglas-fir (Pseudotsuga menziesii)	0	OFFSITE; Codominant top; High canopy	B	Preserve	0
11237	18	Bigleaf Maple (Acer macrophyllum)	0	OFFSITE; Broken top on one codominant stem; Lean (S)	B	Preserve	0
11238	12	Bigleaf Maple (Acer macrophyllum)	0	OFFSITE	C	Preserve	0
11239	17	Bigleaf Maple (Acer macrophyllum)	0	OFFSITE	C	Preserve	0
11240	13	Douglas-fir (Pseudotsuga menziesii)	0	OFFSITE	C	Preserve	0
11241	38	Douglas-fir (Pseudotsuga menziesii)	15		C	Impacts from lot grading	0
11242	38	Douglas-fir (Pseudotsuga menziesii)	15		C	Impacts from sidewalk and curb construction	0
11243	20	European White Birch (Betula pendula)	6	Dead top; In decline	A	Impacts from public road construction	0
11244	18	Douglas-fir (Pseudotsuga menziesii)	0	OFFSITE	C	Preserve	0
11245	36	Douglas-fir (Pseudotsuga menziesii)	14		C	Impacts from lot grading	0
11246	40	Douglas-fir (Pseudotsuga menziesii)	16		C	Impacts from sidewalk and curb construction	0
11247	22	Douglas-fir (Pseudotsuga menziesii)	7		C	Preserve	7
11248	18	Douglas-fir (Pseudotsuga menziesii)	0	OFFSITE	C	Preserve	0
11249	22	Douglas-fir (Pseudotsuga menziesii)	7		C	Impacts from lot grading	0
11250	32	Douglas-fir (Pseudotsuga menziesii)	12		C	Impacts from lot grading	0
11251	28	Douglas-fir (Pseudotsuga menziesii)	10		C	Impacts from lot grading	0

Detailed Tree Inventory for Camas Woods

AKS Job No. 8397 - Evaluation Date: 12/20/2023-12-21/2023 - Evaluated By: BRK

Tree #	DBH (in.)	Tree Species Common Name (Scientific name)	Tree Units Initial	Condition/Comments	Windthrow Rating	Reason for Removal	Tree Units Retained
11252	36	Douglas-fir (Pseudotsuga menziesii)	14		C	Impacts from lot grading	0
11253	24	Douglas-fir (Pseudotsuga menziesii)	8		C	Impacts from lot grading	0
11255	14	Western Redcedar (Thuja plicata)	0	OFFSITE; Evaluated from behind a fence	C	Preserve	0
11256	20	Western Redcedar (Thuja plicata)	0	OFFSITE; Evaluated from behind a fence	C	Preserve	0
11257	18	Western Redcedar (Thuja plicata)	0	OFFSITE; Evaluated from behind a fence	C	Preserve	0
11261	21	Western Redcedar (Thuja plicata)	0	OFFSITE; Evaluated from behind a fence	C	Preserve	0
11262	18	Western Redcedar (Thuja plicata)	0	OFFSITE; Evaluated from behind a fence	C	Preserve	0
11263	21	Western Redcedar (Thuja plicata)	0	OFFSITE; Evaluated from behind a fence	C	Preserve	0
11264	21	Western Redcedar (Thuja plicata)	0	OFFSITE; Evaluated from behind a fence	C	Preserve	0
11265	22	Western Redcedar (Thuja plicata)	0	OFFSITE; Evaluated from behind a fence	C	Preserve	0
11266	20	Western Redcedar (Thuja plicata)	0	OFFSITE; Evaluated from behind a fence	C	Preserve	0
11267	21	Western Redcedar (Thuja plicata)	0	OFFSITE; Evaluated from behind a fence	C	Preserve	0
11268	20	Western Redcedar (Thuja plicata)	0	OFFSITE; Evaluated from behind a fence	C	Preserve	0
11269	23	Western Redcedar (Thuja plicata)	0	OFFSITE; Evaluated from behind a fence	C	Preserve	0
11270	18	Western Redcedar (Thuja plicata)	0	OFFSITE; Evaluated from behind a fence	C	Preserve	0
11271	21	Western Redcedar (Thuja plicata)	0	OFFSITE; Evaluated from behind a fence	C	Preserve	0
11273	18	Western Redcedar (Thuja plicata)	0	OFFSITE; Evaluated from behind a fence	C	Preserve	0
11424	32	Douglas-fir (Pseudotsuga menziesii)	12		C	Impacts from sidewalk and curb construction	0
11425	29	Bigleaf Maple (Acer macrophyllum)	11		C	Impacts from sidewalk and curb construction	0
11426	22	Bigleaf Maple (Acer macrophyllum)	7		C	Impacts from sidewalk and curb construction	0
11427	14	Bigleaf Maple (Acer macrophyllum)	0	OFFSITE	C	Preserve	0
11430	13	Bigleaf Maple (Acer macrophyllum)	0	OFFSITE	C	Preserve	0
11432	20	Bigleaf Maple (Acer macrophyllum)	0	OFFSITE; Dead; Broken @ 6'	A	Preserve	0
11433	12	Bigleaf Maple (Acer macrophyllum)	0	OFFSITE; Broken tops	A	Preserve	0
11434	16	Bigleaf Maple (Acer macrophyllum)	0	OFFSITE; 1-sided canopy (S)	C	Preserve	0
11435	13	Bigleaf Maple (Acer macrophyllum)	0	OFFSITE; 1-sided canopy (S)	C	Preserve	0
11438	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
11442	13	Bigleaf Maple (Acer macrophyllum)	0	OFFSITE; 1-sided canopy (S); Learge cavity with decay	B	Preserve	0
11443	16	Bigleaf Maple (Acer macrophyllum)	0	OFFSITE; 1-sided canopy (S)	C	Preserve	0
11492	34	Bigleaf Maple (Acer macrophyllum)	13	Large hollow with decay	B	Impacts from lot grading	0
11495	10	Bigleaf Maple (Acer macrophyllum)	2		C	Impacts from lot grading	0
11496	14	Douglas-fir (Pseudotsuga menziesii)	3		C	Impacts from lot grading	0
11545	9	Port Orford Cedar (Chamaecyparis lawsoniana)	2	Low vigor	B	Impacts from lot grading	0
11618	12	Ponderosa Pine (Pinus ponderosa)	2		C	Preserve	2
11627	48	Douglas-fir (Pseudotsuga menziesii)	20		C	Impacts from lot grading	0
11653	14	Douglas-fir (Pseudotsuga menziesii)	0	OFFSITE; Evaluated from behind a fence	C	Preserve	0
11655	14	Oregon Ash (Fraxinus latifolia)	3		C	Impacts from site grading	0
11657	13	Oregon Ash (Fraxinus latifolia)	3		C	Impacts from site grading	0
11677	9	Oregon Ash (Fraxinus latifolia)	2		C	Impacts from site grading	0
11678	7	Oregon Ash (Fraxinus latifolia)	2		C	Impacts from site grading	0
11679	6	Oregon Ash (Fraxinus latifolia)	2		C	Impacts from site grading	0
11681	13	Douglas-fir (Pseudotsuga menziesii)	0	OFFSITE; Evaluated from behind a fence	C	Preserve	0
11693	12	Black Cottonwood (Populus trichocarpa)	2		C	Preserve	2
11694	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11695	14	Douglas-fir (Pseudotsuga menziesii)	3		C	Preserve	3
11696	13	Douglas-fir (Pseudotsuga menziesii)	3		C	Preserve	3
11697	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11698	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11699	13	Douglas-fir (Pseudotsuga menziesii)	3		C	Preserve	3
11700	13	Red Alder (Alnus rubra)	3		C	Preserve	3
11701	8	Red Alder (Alnus rubra)	2		C	Preserve	2
11702	8	Red Alder (Alnus rubra)	2	Lean (E)	B	Preserve	2
11720	7,8	Red Alder (Alnus rubra)	2		C	Preserve	2
11725	6	English Hawthorn (Crataegus monogyna)	2		C	Preserve	2
11726	8	Red Alder (Alnus rubra)	2		C	Preserve	2
11727	8	Red Alder (Alnus rubra)	2		C	Preserve	2
11728	7	Red Alder (Alnus rubra)	2		C	Preserve	2
11729	13	Douglas-fir (Pseudotsuga menziesii)	3		C	Preserve	3
11730	10	Red Alder (Alnus rubra)	2	Dead top	A	Preserve	2
11731	19	Douglas-fir (Pseudotsuga menziesii)	6		C	Preserve	6
11732	6	Red Alder (Alnus rubra)	2		C	Preserve	2
11733	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11734	10,10	Willow (Salix spp.)	3		C	Preserve	3
11736	6	Willow (Salix spp.)	2		C	Preserve	2
11737	41	Douglas-fir (Pseudotsuga menziesii)	17		C	Preserve	17
11738	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11739	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11740	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11741	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2

CERTIFIED ARBORIST
PRELIMINARY NOT FOR CONSTRUCTION
ISA
BRYCE D. HANSON
CERTIFICATE NUMBER: PN 7554A
EXPIRATION DATE: 06/30/25

AKS ENGINEERING & FORESTRY, LLC
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ENGINEERING · SURVEYING · NATURAL RESOURCES
FORESTRY · PLANNING · LANDSCAPE ARCHITECTURE

PRELIMINARY TREE PRESERVATION AND REMOVAL TABLE

CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

JOB NUMBER:	8397
DATE:	11/14/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P5.4

Detailed Tree Inventory for Camas Woods

AKS Job No. 8397 - Evaluation Date: 12/20/2023-12-21/2023 - Evaluated By: BRK

Tree #	DBH (in.)	Tree Species Common Name (Scientific name)	Tree Units Initial	Condition/Comments	Windthrow Rating	Reason for Removal	Tree Units Retained
11742	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11747	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11748	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11749	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11750	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11751	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11752	13,13	Douglas-fir (Pseudotsuga menziesii)	5	Codominant base with included bark	B	Preserve	5
11754	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11755	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11756	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11757	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11758	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
11759	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11760	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11761	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11762	31	Douglas-fir (Pseudotsuga menziesii)	12	Codominant top	B	Preserve	12
11763	38	Douglas-fir (Pseudotsuga menziesii)	15		C	Preserve	15
11773	11	Willow (Salix spp.)	2		C	Preserve	2
11774	7	Willow (Salix spp.)	2		C	Preserve	2
11775	29	Douglas-fir (Pseudotsuga menziesii)	11		C	Preserve	11
11776	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11830	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11836	13	Douglas-fir (Pseudotsuga menziesii)	3		C	Preserve	3
11837	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11838	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11842	34	Douglas-fir (Pseudotsuga menziesii)	13		C	Preserve	13
11843	30	Douglas-fir (Pseudotsuga menziesii)	11		C	Preserve	11
11844	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11845	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11846	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11848	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11851	6	English Hawthorn (Crataegus monogyna)	2		C	Preserve	2
11852	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11854	9	Bigleaf Maple (Acer macrophyllum)	2		C	Preserve	2
11856	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11857	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11860	6	English Hawthorn (Crataegus monogyna)	2		C	Impacts from site grading	0
11861	6	Red Alder (Alnus rubra)	2		C	Impacts from site grading	0
11866	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
11867	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
11868	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
11869	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
11870	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
11871	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
11872	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
11873	15	Douglas-fir (Pseudotsuga menziesii)	4		C	Impacts from site grading	0
11875	16	Douglas-fir (Pseudotsuga menziesii)	4		C	Impacts from site grading	0
11876	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
11877	17	Douglas-fir (Pseudotsuga menziesii)	5		C	Impacts from site grading	0
11878	6	Willow (Salix spp.)	2		C	Impacts from site grading	0
11884	11	Bitter Cherry (Prunus emarginata)	2		C	Impacts from site grading	0
11885	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
11886	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
11887	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11889	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11890	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
11892	6,7	Oregon Ash (Fraxinus latifolia)	2		C	Impacts from site grading	0
11894	6,7	Oregon Ash (Fraxinus latifolia)	2		C	Impacts from site grading	0
11897	16	Willow (Salix spp.)	4		C	Impacts from site grading	0
11925	20	Douglas-fir (Pseudotsuga menziesii)	6		C	Impacts from site grading	0
11926	11	Willow (Salix spp.)	2		C	Impacts from site grading	0
11927	6	Bitter Cherry (Prunus emarginata)	2		C	Impacts from lot grading	0
11929	9,10,9,12	Willow (Salix spp.)	6		C	Impacts from lot grading	0
11931	9	Willow (Salix spp.)	2	Dead; Broken @ ~5'	A	Impacts from lot grading	0
11933	10,6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
11935	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
11936	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
11937	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
11938	6	Red Alder (Alnus rubra)	2	Codominant with included bark; Abnormal dead branches	B	Impacts from site grading	0
11963	24	Bigleaf Maple (Acer macrophyllum)	8	Large cavity in base with deadwood; Large broken limbs	A	Impacts from lot grading	0
11970	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
11974	14,16	Red Alder (Alnus rubra)	7	Dead (~30')	A	Impacts from lot grading	0
11977	19	Red Alder (Alnus rubra)	6	Dead; Broken @ ~20'	A	Impacts from public road construction	0
11982	18	Red Alder (Alnus rubra)	5	Primary stem with some remaining limbs	A	Impacts from lot grading	0
11989	10	Red Alder (Alnus rubra)	2		C	Impacts from sidewalk and curb construction	0
11990	8	Red Alder (Alnus rubra)	2		C	Impacts from sidewalk and curb construction	0
11991	6	Red Alder (Alnus rubra)	2		C	Impacts from sidewalk and curb construction	0
11992	6	Red Alder (Alnus rubra)	2	Dead Top	A	Impacts from sidewalk and curb construction	0
11993	8,7	Willow (Salix spp.)	2	Large cavities with decay; Insect frass	B	Impacts from sidewalk and curb construction	0
11995	6	Bitter Cherry (Prunus emarginata)	2		C	Impacts from lot grading	0

Detailed Tree Inventory for Camas Woods

AKS Job No. 8397 - Evaluation Date: 12/20/2023-12-21/2023 - Evaluated By: BRK

Tree #	DBH (in.)	Tree Species Common Name (Scientific name)	Tree Units Initial	Condition/Comments	Windthrow Rating	Reason for Removal	Tree Units Retained
11996	6	Willow (Salix spp.)	2		C	Impacts from lot grading	0
11997	7	Red Alder (Alnus rubra)	2	Dead	A	Impacts from lot grading	0
11998	12	Douglas-fir (Pseudotsuga menziesii)	2	Sweep	C	Impacts from lot grading	0
11999	30	Douglas-fir (Pseudotsuga menziesii)	11		C	Impacts from lot grading	0
12005	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
12006	8,8	Red Alder (Alnus rubra)	2	Codominant base with included bark	B	Impacts from site grading	0
12028	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
12029	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
12030	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
12031	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
12032	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
12033	15	Douglas-fir (Pseudotsuga menziesii)	4		C	Impacts from site grading	0
12035	7	Willow (Salix spp.)	2		C	Impacts from site grading	0
12036	11	Willow (Salix spp.)	2	Dead	A	Impacts from lot grading	0
12037	9	Red Alder (Alnus rubra)	2	Tree fallen on top	B	Impacts from lot grading	0
12038	10	Red Alder (Alnus rubra)	2	Tree fallen on top	B	Impacts from lot grading	0
12039	6,8,8	Willow (Salix spp.)	3	Dead; Failed (N)	A	Impacts from lot grading	0
12042	7	English Hawthorn (Crataegus monogyna)	2		C	Impacts from lot grading	0
12045	12	Red Alder (Alnus rubra)	2		C	Impacts from lot grading	0
12046	6	Red Alder (Alnus rubra)	2		C	Impacts from lot grading	0
12047	7	Red Alder (Alnus rubra)	2		C	Impacts from lot grading	0
12048	7	Oregon Ash (Fraxinus latifolia)	2		C	Impacts from lot grading	0
12049	6	Bitter Cherry (Prunus emarginata)	2		C	Impacts from lot grading	0
12050	6	Bitter Cherry (Prunus emarginata)	2		C	Impacts from lot grading	0
12051	7	English Hawthorn (Crataegus monogyna)	2		C	Impacts from lot grading	0
12063	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
12068	10	Willow (Salix spp.)	2	Abnormal dead branches	B	Impacts from public road construction	0
12070	12,11,6	Willow (Salix spp.)	5	2 stems broken @ ~5'; In decline	A	Impacts from lot grading	0
12099	24	Douglas-fir (Pseudotsuga menziesii)	8			Impacts from lot grading	0
12100	7	Bitter Cherry (Prunus emarginata)	2	Dead top half	A	Impacts from lot grading	0
12101	32	Douglas-fir (Pseudotsuga menziesii)	12	Codominant top	B	Impacts from lot grading	0
12102	7	Willow (Salix spp.)	2		C	Impacts from lot grading	0
12104	8	Sweet Cherry (Prunus avium)	2	1-sided canopy (N)	C	Impacts from lot grading	0
12105	8	Sweet Cherry (Prunus avium)	2		C	Impacts from lot grading	0
12106	8	Sweet Cherry (Prunus avium)	2		C	Impacts from lot grading	0
12107	6	English Hawthorn (Crataegus monogyna)	2	Dead (~20')	A	Impacts from lot grading	0
12108	10,10	Sweet Cherry (Prunus avium)	3	Codominant base with included bark	B	Impacts from lot grading	0
12110	7	Sweet Cherry (Prunus avium)	2	Broken at very top	B	Impacts from lot grading	0
12111	7	Willow (Salix spp.)	2	Dead (~10')	A	Impacts from lot grading	0
12112	7	Sweet Cherry (Prunus avium)	2		C	Impacts from lot grading	0
12113	9	Sweet Cherry (Prunus avium)	2		C	Impacts from lot grading	0
12114	6	Sweet Cherry (Prunus avium)	2		C	Impacts from lot grading	0
12115	7	Sweet Cherry (Prunus avium)	2	Broken top half	A	Impacts from lot grading	0
12116	7	Sweet Cherry (Prunus avium)	2	Broken top half	A	Impacts from lot grading	0
12117	7	Sweet Cherry (Prunus avium)	2	Broken top half	A	Impacts from lot grading	0
12118	7	Sweet Cherry (Prunus avium)	2	Broken top half	A	Impacts from lot grading	0
12119	6	Oregon Ash (Fraxinus latifolia)	2		C	Impacts from lot grading	0
12121	6	Sweet Cherry (Prunus avium)	2	Lean (W)	B	Impacts from lot grading	0
12122	6	Sweet Cherry (Prunus avium)	2	Lean (W)	B	Impacts from lot grading	0
12123	6	Sweet Cherry (Prunus avium)	2		C	Impacts from lot grading	0
12124	7	Sweet Cherry (Prunus avium)	2	Broken top	A	Impacts from lot grading	0
12125	9,6,6	Sweet Cherry (Prunus avium)	2		C	Impacts from lot grading	0
12128	8	Sweet Cherry (Prunus avium)	2	Lean (N); Abnormal dead limbs	B	Impacts from lot grading	0
12129	11	Sweet Cherry (Prunus avium)	2		C	Impacts from lot grading	0
12132	11,15,8,11, 11,14	Bigleaf Maple (Acer macrophyllum)	11		C	Impacts from lot grading	0
12138	11	Red Alder (Alnus rubra)	2		C	Impacts from lot grading	0
12139	13	Red Alder (Alnus rubra)	3		C	Impacts from lot grading	0
12140	13	Bigleaf Maple (Acer macrophyllum)	3	1-sided canopy (E)	C	Impacts from lot grading	0
12141	14	Bigleaf Maple (Acer macrophyllum)	3	1-sided canopy (E)	C	Impacts from lot grading	0
12144	16	Coniferous	0	OFFSITE; Not evaluated by an arborist	-	Preserve	0
12145	19	Coniferous	0	OFFSITE; Not evaluated by an arborist	-	Impacts from storm trenching	0
12148	18	Coniferous	0	OFFSITE; Not evaluated by an arborist	-	Preserve	0
12150	17	Coniferous	0	OFFSITE; Not evaluated by an arborist	-	Preserve	0
12153	16	Coniferous	0	OFFSITE; Not evaluated by an arborist	-	Preserve	0
12154	19	Coniferous	0	OFFSITE; Not evaluated by an arborist	-	Preserve	0
12157	11,14	Coniferous	0	OFFSITE; Not evaluated by an arborist	-	Preserve	0
12159	16	Coniferous	0	OFFSITE; Not evaluated by an arborist	-	Preserve	0
12162	20	Coniferous	0	OFFSITE; Not evaluated by an arborist	-	Preserve	0
12301	15	Coniferous	0	OFFSITE; Not evaluated by an arborist	-	Preserve	0
12302	13	Coniferous	0	OFFSITE; Not evaluated by an arborist	-	Preserve	0
13281	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13287	20	Bigleaf Maple (Acer macrophyllum)	6	Broken limbs	C	Impacts from public road construction	0
13298	12	Willow (Salix spp.)	2		C	Impacts from lot grading	0
13299	14,14,12,13	Willow (Salix spp.)	9	Small cavities with decay; Broken limbs; Decay	B	Impacts from lot grading	0
13345	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13357	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13372	11	Western Hemlock (Tsuga heterophylla)	2		C	Impacts from lot grading	0
13375	14	Douglas-fir (Pseudotsuga menziesii)	3		C	Impacts from lot grading	0
13376	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13378	21	Bigleaf Maple (Acer macrophyllum)	7		C	Impacts from lot grading	0
13393	13	Red Alder (Alnus rubra)	3		C	Impacts from public road construction	0
13394	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0

Detailed Tree Inventory for Camas Woods

AKS Job No. 8397 - Evaluation Date: 12/20/2023-12-21/2023 - Evaluated By: BRK

Tree #	DBH (in.)	Tree Species Common Name (Scientific name)	Tree Units Initial	Condition/Comments	Windthrow Rating	Reason for Removal	Tree Units Retained
13395	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13396	12	Red Alder (Alnus rubra)	2	Broken top; Decay	A	Impacts from public road construction	0
13397	9	Red Alder (Alnus rubra)	2	Broken top; Decay	A	Impacts from sidewalk and curb construction	0
13398	14	Western Hemlock (Tsuga heterophylla)	3		C	Impacts from sidewalk and curb construction	0
13399	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13400	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13401	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13402	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13413	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13415	25	Bigleaf Maple (Acer macrophyllum)	9		C	Impacts from sidewalk and curb construction	0
13423	23	Bigleaf Maple (Acer macrophyllum)	8	1-sided canopy (N); Abnormal dead limbs	B	Impacts from public road construction	0
13424	14	Bigleaf Maple (Acer macrophyllum)	3	Dead (~60')	A	Impacts from public road construction	0
13425	14	Douglas-fir (Pseudotsuga menziesii)	3		C	Impacts from public road construction	0
13426	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13431	28	Bigleaf Maple (Acer macrophyllum)	10	Dead with some remaining epicormic limbs	A	Impacts from public road construction	0
13439	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13457	13	Red Alder (Alnus rubra)	3	Dead (~70')	A	Impacts from sidewalk and curb construction	0
13458	16	Bigleaf Maple (Acer macrophyllum)	4		C	Impacts from lot grading	0
13466	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13467	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13480	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13481	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13482	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13483	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13485	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13486	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13487	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13488	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13489	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13490	16	Grand Fir (Abies grandis)	4		C	Impacts from lot grading	0
13491	14	Red Alder (Alnus rubra)	3	Dead (~60')	A	Impacts from lot grading	0
13492	12	Red Alder (Alnus rubra)	2	Broken top half	A	Impacts from lot grading	0
13493	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13494	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13495	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13496	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13499	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13508	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13509	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13510	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13511	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
13512	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13513	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13514	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13515	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
13516	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
13517	8	Sweet Cherry (Prunus avium)	2		C	Impacts from site grading	0
13518	10	Douglas-fir (Pseudotsuga menziesii)	2	Broken top	A	Impacts from sidewalk and curb construction	0
13519	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13520	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
13521	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13527	15	Douglas-fir (Pseudotsuga menziesii)	4		C	Preserve	4
13528	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
13529	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13530	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13531	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13533	13	Douglas-fir (Pseudotsuga menziesii)	3		C	Impacts from site grading	0
13534	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13535	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13536	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13537	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13538	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13539	13	Douglas-fir (Pseudotsuga menziesii)	3		C	Impacts from public road construction	0

CERTIFIED ARBORIST
PRELIMINARY NOT FOR CONSTRUCTION
ISA
BRYCE D. HANSON
CERTIFICATE NUMBER: PN 7554A
EXPIRATION DATE: 06/30/25

AKS ENGINEERING & FORESTRY, LLC
9600 NE 126TH AVE, STE 2520
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ENGINEERING · SURVEYING · NATURAL RESOURCES
FORESTRY · PLANNING · LANDSCAPE ARCHITECTURE

PRELIMINARY TREE PRESERVATION AND REMOVAL TABLE
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

JOB NUMBER:	8397
DATE:	11/14/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P5.5

Detailed Tree Inventory for Camas Woods

AKS Job No. 8397 - Evaluation Date: 12/20/2023-12-21/2023 - Evaluated By: BRK

Tree #	DBH (in.)	Tree Species Common Name (Scientific name)	Tree Units Initial	Condition/Comments	Windthrow Rating	Reason for Removal	Tree Units Retained
13540	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13541	6	European White Birch (Betula pendula)	2		C	Impacts from lot grading	0
13542	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13543	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13544	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13545	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13546	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13547	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13548	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13549	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13550	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13551	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13552	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13553	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13554	13	Douglas-fir (Pseudotsuga menziesii)	3		C	Preserve	3
13555	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13556	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13557	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13558	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13559	12	Sweet Cherry (Prunus avium)	2		C	Preserve	2
13560	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13561	9	Sweet Cherry (Prunus avium)	2		C	Preserve	2
13562	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13563	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13564	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13565	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13566	14	Douglas-fir (Pseudotsuga menziesii)	3		C	Preserve	3
13567	8	Sweet Cherry (Prunus avium)	2		C	Preserve	2
13568	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13569	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13570	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13571	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13572	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13573	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13574	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13575	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13576	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13577	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13578	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13579	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13580	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13581	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13582	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13583	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13584	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13585	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13586	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13587	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13588	13	Douglas-fir (Pseudotsuga menziesii)	3		C	Impacts from sidewalk and curb construction	0
13589	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13590	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13591	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13592	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13593	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13594	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13595	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13596	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13597	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13598	14	Douglas-fir (Pseudotsuga menziesii)	3		C	Preserve	3
13599	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13600	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13601	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13602	16	Western Hemlock (Tsuga heterophylla)	4		C	Preserve	4
13603	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13604	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13607	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13608	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13609	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13610	11	Red Alder (Alnus rubra)	2	Dead (~6')	A	Impacts from lot grading	0
13612	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13613	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13615	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13616	14	Red Alder (Alnus rubra)	3	Dead top; Large cavity with decay in base	A	Impacts from lot grading	0
13619	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13632	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13633	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13634	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0

Detailed Tree Inventory for Camas Woods

AKS Job No. 8397 - Evaluation Date: 12/20/2023-12-21/2023 - Evaluated By: BRK

Tree #	DBH (in.)	Tree Species Common Name (Scientific name)	Tree Units Initial	Condition/Comments	Windthrow Rating	Reason for Removal	Tree Units Retained
13657	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13661	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13663	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13668	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13669	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13670	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13671	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13672	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13673	14	Douglas-fir (Pseudotsuga menziesii)	3		C	Impacts from public road construction	0
13674	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13675	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13676	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13677	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13678	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13679	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13680	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13681	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13682	19	Douglas-fir (Pseudotsuga menziesii)	6		C	Impacts from site grading	0
13683	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13684	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13685	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13686	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13687	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13688	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13689	7	Douglas-fir (Pseudotsuga menziesii)	5		C	Preserve	5
13690	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13691	9	Willow (Salix spp.)	2		C	Preserve	2
13692	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13693	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13694	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13695	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13696	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13697	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13707	9	Bigleaf Maple (Acer macrophyllum)	2	Butt sweep	C	Preserve	2
13708	9	Sweet Cherry (Prunus avium)	2		C	Preserve	2
13710	12,12	Bigleaf Maple (Acer macrophyllum)	5		C	Preserve	5
13711	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13712	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13713	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13714	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13715	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13716	13	Bigleaf Maple (Acer macrophyllum)	3		C	Preserve	3
13717	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13718	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13719	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13720	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13721	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13722	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13723	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13724	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13725	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13726	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13727	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
13728	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
13729	7	Douglas-fir (Pseudotsuga menziesii)	2	Dead (~30')	A	Impacts from site grading	0
13730	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13731	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
13732	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13733	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13734	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13735	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
13736	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from site grading	0
13782	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13786	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13787	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13790	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13799	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13803	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13804	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13805	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13806	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13808	17	Douglas-fir (Pseudotsuga menziesii)	5	Codominant top; Abnormal form	B	Impacts from public road construction	0
13843	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13848	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13859	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13862	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13863	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0

Detailed Tree Inventory for Camas Woods

AKS Job No. 8397 - Evaluation Date: 12/20/2023-12-21/2023 - Evaluated By: BRK

Tree #	DBH (in.)	Tree Species Common Name (Scientific name)	Tree Units Initial	Condition/Comments	Windthrow Rating	Reason for Removal	Tree Units Retained
13864	13	Douglas-fir (Pseudotsuga menziesii)	3		C	Impacts from lot grading	0
13865	15	Douglas-fir (Pseudotsuga menziesii)	4		C	Impacts from lot grading	0
13866	23	Douglas-fir (Pseudotsuga menziesii)	8		C	Impacts from lot grading	0
13867	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13868	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13869	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13872	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13873	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13874	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
13875	15	Douglas-fir (Pseudotsuga menziesii)	4		C	Impacts from sidewalk and curb construction	0
13906	28	Douglas-fir (Pseudotsuga menziesii)	10		C	Impacts from lot grading	0
13949	18	Douglas-fir (Pseudotsuga menziesii)	5		C	Impacts from lot grading	0
13950	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13985	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
13986	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
13987	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
14044	15	Douglas-fir (Pseudotsuga menziesii)	4		C	Impacts from lot grading	0
14046	21	Douglas-fir (Pseudotsuga menziesii)	7		C	Impacts from lot grading	0
14047	18	Douglas-fir (Pseudotsuga menziesii)	5		C	Impacts from lot grading	0
14049	18	Douglas-fir (Pseudotsuga menziesii)	5		C	Impacts from lot grading	0
14050	20	Douglas-fir (Pseudotsuga menziesii)	6		C	Impacts from lot grading	0
14053	18	Douglas-fir (Pseudotsuga menziesii)	5	Low vigor	B	Impacts from lot grading	0
14054	19	Douglas-fir (Pseudotsuga menziesii)	6		C	Impacts from lot grading	0
14058	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
14059	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14060	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14061	13	Douglas-fir (Pseudotsuga menziesii)	3		C	Impacts from lot grading	0
14062	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14063	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14064	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14065	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14066	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14067	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14068	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14069	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14070	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14071	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14072	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14073	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14074	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14075	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14076	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14077	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14078	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14079	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14080	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14081	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14082	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14083	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14084	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14085	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14086	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14087	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14088	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14089	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14091	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14092	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14093	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14094	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14095	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14096	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14097	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14098	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14099	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14100	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14101	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
14103	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
14105	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
14106	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
14107	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0

CERTIFIED ARBORIST
PRELIMINARY NOT FOR CONSTRUCTION
ISA
BRYCE D. HANSON
CERTIFICATE NUMBER: PN 7554A
EXPIRATION DATE: 06/30/25

AKS ENGINEERING & FORESTRY, LLC
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ENGINEERING · SURVEYING · NATURAL RESOURCES
FORESTRY · PLANNING · LANDSCAPE ARCHITECTURE

PRELIMINARY TREE PRESERVATION AND REMOVAL TABLE

CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

JOB NUMBER:	8397
DATE:	11/14/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

Detailed Tree Inventory for Camas Woods

AKS Job No. 8397 - Evaluation Date: 12/20/2023-12-21/2023 - Evaluated By: BRK

Tree #	DBH (in.)	Tree Species Common Name (Scientific name)	Tree Units Initial	Condition/Comments	Windthrow Rating	Reason for Removal	Tree Units Retained
14108	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
14109	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
14110	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
14111	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
14112	18	Douglas-fir (Pseudotsuga menziesii)	5		C	Impacts from lot grading	0
14113	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14114	14	Douglas-fir (Pseudotsuga menziesii)	3		C	Impacts from lot grading	0
14115	14	Douglas-fir (Pseudotsuga menziesii)	3		C	Impacts from sidewalk and curb construction	0
14121	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14123	14	Douglas-fir (Pseudotsuga menziesii)	3		C	Impacts from sidewalk and curb construction	0
14124	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
14125	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
14126	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14127	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14128	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14130	8,9	Western Redcedar (Thuja plicata)	0	OFFSITE; Codominant base with included bark	B	Preserve	0
14131	11	Western Redcedar (Thuja plicata)	0	OFFSITE	C	Preserve	0
14180	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14181	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14184	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
14185	24	Grand Fir (Abies grandis)	8		C	Impacts from sidewalk and curb construction	0
14187	9	Douglas-fir (Pseudotsuga menziesii)	2	Butt sweep	C	Impacts from sidewalk and curb construction	0
14192	13	Bigleaf Maple (Acer macrophyllum)	3		C	Impacts from sidewalk and curb construction	0
14193	13	Douglas-fir (Pseudotsuga menziesii)	3	Abnormal dead branches; Abnormal form	B	Impacts from sidewalk and curb construction	0
14203	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14211	17	Douglas-fir (Pseudotsuga menziesii)	5		C	Impacts from sidewalk and curb construction	0
14212	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14214	12	Red Alder (Alnus rubra)	2	Broken top half; Lean (N)	A	Impacts from lot grading	0
14215	13	Red Alder (Alnus rubra)	3	Broken top half	A	Impacts from lot grading	0
14216	13	Red Alder (Alnus rubra)	3	Broken top half; Lean (N)	A	Impacts from sidewalk and curb construction	0
14217	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
14218	15	Douglas-fir (Pseudotsuga menziesii)	4		C	Impacts from lot grading	0
14238	15	Douglas-fir (Pseudotsuga menziesii)	4		C	Impacts from lot grading	0
14252	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
14253	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
14254	24	Douglas-fir (Pseudotsuga menziesii)	8		C	Impacts from sidewalk and curb construction	0
14261	12	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14262	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14266	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
14267	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
14268	20	Bigleaf Maple (Acer macrophyllum)	6	Abnormal dead branches; Sparse canopy	B	Impacts from lot grading	0
14278	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14288	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14289	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14294	16	Bigleaf Maple (Acer macrophyllum)	4		C	Impacts from public road construction	0
14295	22	Douglas-fir (Pseudotsuga menziesii)	7		C	Impacts from public road construction	0
14299	8	Grand Fir (Abies grandis)	2		C	Impacts from public road construction	0
14300	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
14301	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
14304	10	Western Hemlock (Tsuga heterophylla)	2		C	Impacts from lot grading	0
14307	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14309	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14311	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14312	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14315	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
14319	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
14320	8	Douglas-fir (Pseudotsuga menziesii)	2	Broken top	A	Impacts from public road construction	0
14321	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
14322	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14323	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
14324	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14327	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14329	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14331	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14336	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14339	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14360	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14361	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14362	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14363	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14364	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14365	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14366	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0

Detailed Tree Inventory for Camas Woods

AKS Job No. 8397 - Evaluation Date: 12/20/2023-12-21/2023 - Evaluated By: BRK

Tree #	DBH (in.)	Tree Species Common Name (Scientific name)	Tree Units Initial	Condition/Comments	Windthrow Rating	Reason for Removal	Tree Units Retained
14367	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14368	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14373	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14381	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
14389	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14392	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14427	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
14445	8	Bigleaf Maple (Acer macrophyllum)	0	OFFSITE	C	Preserve	0
14487	14	Douglas-fir (Pseudotsuga menziesii)	3		C	Impacts from public road construction	0
14488	13	Douglas-fir (Pseudotsuga menziesii)	3		C	Impacts from sidewalk and curb construction	0
14489	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
14490	6	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from public road construction	0
14491	24	Grand Fir (Abies grandis)	8		C	Impacts from public road construction	0
14492	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
14493	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
14494	24	Grand Fir (Abies grandis)	8		C	Impacts from sidewalk and curb construction	0
14495	7	Sweet Cherry (Prunus avium)	2		C	Impacts from sidewalk and curb construction	0
14496	7	Sweet Cherry (Prunus avium)	2		C	Impacts from site grading	0
14497	7	Sweet Cherry (Prunus avium)	2		C	Preserve	2
14498	10	Sweet Cherry (Prunus avium)	2		C	Preserve	2
14499	8	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
14500	13	Douglas-fir (Pseudotsuga menziesii)	3		C	Preserve	3
14501	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
14502	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
14503	10	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
14504	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
14505	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
14506	12	Sweet Cherry (Prunus avium)	2		C	Preserve	2
14507	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
14508	7	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from sidewalk and curb construction	0
14514	16	Sweet Cherry (Prunus avium)	4	Codominant with included bark	B	Preserve	4
14515	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
14516	11	Douglas-fir (Pseudotsuga menziesii)	2		C	Preserve	2
14756	34	Douglas-fir (Pseudotsuga menziesii)	0	OFFSITE; Dead top half; In significant decline	A	Preserve	0
15997	20	Douglas-fir (Pseudotsuga menziesii)	0	OFFSITE	C	Preserve	0
15998	20	Grand Fir (Abies grandis)	0	OFFSITE	C	Preserve	0
16020	14	Douglas-fir (Pseudotsuga menziesii)	3	LINE TREE	C	Preserve	3
16021	12	Bigleaf Maple (Acer macrophyllum)	2	LINE TREE	C	Preserve	2
16022	15	Bigleaf Maple (Acer macrophyllum)	4	LINE TREE	C	Preserve	4
16023	8,8,8	Bigleaf Maple (Acer macrophyllum)	0	OFFSITE	C	Preserve	0
16024	10	Bigleaf Maple (Acer macrophyllum)	2	Phototropic lean (E)	C	Impacts from lot grading	0
16025	11	Bigleaf Maple (Acer macrophyllum)	2	Phototropic lean (E)	C	Impacts from lot grading	0
16026	9	Douglas-fir (Pseudotsuga menziesii)	2	High canopy	C	Impacts from lot grading	0
16027	13	Bigleaf Maple (Acer macrophyllum)	4	Phototropic lean (E)	C	Impacts from lot grading	0
16028	12	Willow (Salix spp.)	2	LINE TREE	C	Preserve	2
16029	18	Douglas-fir (Pseudotsuga menziesii)	0	OFFSITE	C	Preserve	0
16030	8	Douglas-fir (Pseudotsuga menziesii)	0	OFFSITE	C	Preserve	0
16031	22	Douglas-fir (Pseudotsuga menziesii)	7		C	Impacts from lot grading	0
16032	9	Douglas-fir (Pseudotsuga menziesii)	2		C	Impacts from lot grading	0
16033	9	Bigleaf Maple (Acer macrophyllum)	2	LINE TREE	C	Preserve	2
16034	8	Bigleaf Maple (Acer macrophyllum)	0	OFFSITE	C	Preserve	0
16035	8	Bigleaf Maple (Acer macrophyllum)	2		C	Impacts from lot grading	0
16036	8	Douglas-fir (Pseudotsuga menziesii)	2	LINE TREE	C	Preserve	2
16037	9	Black Cottonwood (Populus trichocarpa)	0	OFFSITE; Broken at very top	B	Preserve	0
16038	10,11	Black Cottonwood (Populus trichocarpa)	4	10" stem broken top	B	Impacts from lot grading	0
16039	12	Bigleaf Maple (Acer macrophyllum)	2		C	Impacts from lot grading	0
16040	10	Bigleaf Maple (Acer macrophyllum)	2		C	Impacts from lot grading	0
16041	8	Black Cottonwood (Populus trichocarpa)	0	OFFSITE	C	Preserve	0
16042	10	Black Cottonwood (Populus trichocarpa)	2		C	Impacts from lot grading	0
16043	13	Douglas-fir (Pseudotsuga menziesii)	0	OFFSITE	C	Preserve	0
16044	12	Douglas-fir (Pseudotsuga menziesii)	0	OFFSITE	C	Preserve	0
16045	9	Douglas-fir (Pseudotsuga menziesii)	0	OFFSITE	C	Preserve	0
16046	16	Douglas-fir (Pseudotsuga menziesii)	0	OFFSITE	C	Preserve	0
16047	13	Douglas-fir (Pseudotsuga menziesii)	0	OFFSITE	C	Preserve	0
16048	24	Douglas-fir (Pseudotsuga menziesii)	0	OFFSITE	C	Preserve	0
16049	24	Douglas-fir (Pseudotsuga menziesii)	8		C	Preserve	8
16050	14,13	Bigleaf Maple (Acer macrophyllum)	11		C	Preserve	11
50000	57	Douglas-fir (Pseudotsuga menziesii)	24.5	Exposed roots all around; Large bore holes; Codominant top	B	Impacts from lot grading	0

Total # of Existing Trees Inventoried = 812

Net Site Area Exluding Open Space & Critical Area = 30.35

Total # of Existing Onsite Trees = 741

Total # of Existing Trees Removed = 545

Total Onsite Existing Tree Units = 3088

Total Existing Tree Units Removed = 2381

Total # of Onsite Trees Retained = 196

Total # of Tree Units Retained = 707

Minimum Tree Units Required per City Code = 910.5

*(30.35 acres * 30 trees/acre)*

Minimum # Trees to Replant = 203.5

Windthrow Rating

A=Least windthrow resistant

B=Moderate windthrow resistant

C=Most windthrow resistant

Arborist Disclosure Statement:

Arborists are tree specialists who use their education, knowledge, training, and experience to examine trees, recommend measures to enhance the health of trees, and attempt to reduce the risk of living near trees. The Client and Jurisdiction may choose to accept or disregard the recommendations of the arborist, or seek additional advice. Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. Trees are living organisms that fail in ways we do not fully understand. Conditions are often hidden within trees and below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specified period of time. Likewise, remedial treatments, like medicine, cannot be guaranteed. Trees can be managed, but they cannot be controlled. To live near trees is to accept some degree of risk. The only way to eliminate all risk associated with trees is to eliminate all trees. Neither this author nor AKS Engineering & Forestry, LLC have assumed any responsibility for liability associated with the trees on or adjacent to this site.

At the completion of construction, all trees should once again be reviewed. Land clearing and removal of adjacent trees can expose previously unseen defects and otherwise healthy trees can be damaged during construction.

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PRELIMINARY TREE PRESERVATION AND REMOVAL TABLE
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

CERTIFIED ARBORIST ISA
PRELIMINARY NOT FOR CONSTRUCTION

BRYCE D. HANSON
CERTIFICATE NUMBER: PN 7554A
EXPIRATION DATE: 06/30/25

JOB NUMBER:	8397
DATE:	11/14/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P5.7

AKS DRAWING FILE: 8397 P5 TREE.DWG | LAYOUT: P5.7

TREE PROTECTION NOTES

A. PLACING MATERIALS NEAR TREES – NO PERSON MAY CONDUCT ANY ACTIVITY WITHIN THE PROTECTED AREA OF ANY TREE DESIGNATED TO REMAIN, INCLUDING, BUT NOT LIMITED TO, PARKING EQUIPMENT, PLACING SOLVENTS, STORING BUILDING MATERIALS AND SOIL DEPOSITS, DUMPING CONCRETE WASHOUT, ETC.

B. ATTACHMENTS TO TREES – DURING CONSTRUCTION, NO PERSON SHALL ATTACH ANY OBJECT TO ANY TREE DESIGNATED FOR PROTECTION.

C. PROTECTIVE BARRIER – BEFORE DEVELOPMENT, LAND CLEARING, FILLING OR ANY LAND ALTERATION FOR WHICH A TREE REMOVAL PERMIT IS REQUIRED, THE CONTRACTOR:

C.A. SHALL ERECT AND MAINTAIN READILY VISIBLE PROTECTIVE TREE FENCING ALONG THE OUTER EDGE AND COMPLETELY SURROUNDING THE PROTECTED AREA OF ALL PROTECTED TREES OR GROUP OF TREES. FENCES SHALL BE CONSTRUCTED PER THE DETAIL ON THIS SHEET.

C.B. MAY BE REQUIRED TO COVER WITH MULCH TO A DEPTH OF AT LEAST SIX (6) INCHES OR WITH PLYWOOD OR SIMILAR MATERIAL IN THE AREAS ADJOINING THE CRITICAL ROOT ZONE OF A TREE IN ORDER TO PROTECT ROOTS FROM DAMAGE CAUSED BY HEAVY EQUIPMENT.

C.C. SHALL PROHIBIT EXCAVATION OR COMPACTING OF EARTH OR OTHER POTENTIALLY DAMAGING ACTIVITIES WITHIN THE BARRIERS.

C.D. MAY BE REQUIRED TO MINIMIZE ROOT DAMAGE BY EXCAVATING A TWO (2) FOOT DEEP TRENCH, AT EDGE OF CRITICAL ROOT ZONE, TO CLEANLY SEVER THE ROOTS OF TREES TO BE RETAINED. ROOTS ONE (1) INCH DIAMETER OR GREATER SHALL BE CLEANLY CUT WITH A SAW OR PRUNERS.

C.E. MAY BE REQUIRED TO HAVE CORRECTIVE PRUNING PERFORMED ON PROTECTED TREES IN ORDER TO AVOID DAMAGE FROM MACHINERY OR BUILDING ACTIVITY. MAY BE REQUIRED TO MAINTAIN TREES THROUGHOUT THE CONSTRUCTION PERIOD BY WATERING AND FERTILIZING.

C.F. SHALL MAINTAIN THE PROTECTIVE BARRIERS IN PLACE UNTIL THE PROJECT ARBORIST AUTHORIZES THEIR REMOVAL OR A FINAL CERTIFICATE OF OCCUPANCY IS ISSUED, WHICHEVER OCCURS FIRST.

C.G. SHALL ENSURE THAT ANY LANDSCAPING DONE IN THE PROTECTED ZONE SUBSEQUENT TO THE REMOVAL OF THE BARRIERS SHALL BE ACCOMPLISHED WITH LIGHT MACHINERY OR HAND LABOR.

D. GRADE

D.A. THE GRADE SHALL NOT BE ELEVATED OR REDUCED WITHIN THE CRITICAL ROOT ZONE OF TREES TO BE PRESERVED WITHOUT THE PROJECT ARBORISTS'S AUTHORIZATION. THE PROJECT ARBORIST MAY ALLOW COVERAGE OF UP TO ONE HALF OF THE AREA OF THE TREE'S CRITICAL ROOT ZONE WITH LIGHT SOILS (NO CLAY) TO THE MINIMUM DEPTH NECESSARY TO CARRY OUT GRADING OR LANDSCAPING PLANS, IF IT WILL NOT IMPERIL THE SURVIVAL OF THE TREE. AERATION DEVICES MAY BE REQUIRED TO ENSURE THE TREE'S SURVIVAL.

D.B. IF THE GRADE ADJACENT TO A PRESERVED TREE IS RAISED SUCH THAT IT COULD SLOUGH OR ERODE INTO THE TREES CRITICAL ROOT ZONE, IT SHALL BE PERMANENTLY STABILIZED TO PREVENT SUFFOCATION OF THE ROOTS.

D.C. THE APPLICANT SHALL NOT INSTALL AN IMPERVIOUS SURFACE WITHIN THE CRITICAL ROOT ZONE OF ANY TREE TO BE RETAINED WITHOUT THE AUTHORIZATION OF THE PROJECT ARBORIST. THE PROJECT ARBORIST MAY REQUIRE SPECIFIC CONSTRUCTION METHODS AND/OR USE OF AERATION DEVICES TO ENSURE THE TREE'S SURVIVAL AND TO MINIMIZE THE POTENTIAL FOR ROOT INDUCED DAMAGE TO THE IMPERVIOUS SURFACE.

D.D. TO THE GREATEST EXTENT PRACTICAL, UTILITY TRENCHES SHALL BE LOCATED OUTSIDE OF THE CRITICAL ROOT ZONE OF TREES TO BE RETAINED. THE PROJECT ARBORIST MAY REQUIRE THAT UTILITIES BE TUNNELED UNDER THE ROOTS OF TREES TO BE RETAINED IF THE PROJECT ARBORIST DETERMINES THAT TRENCHING WOULD SIGNIFICANTLY REDUCE THE CHANCES OF THE TREE'S SURVIVAL.

D.E. TREE AND OTHER VEGETATION TO BE RETAINED SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. CLEARING OPERATIONS SHALL BE CONDUCTED SO AS TO EXPOSE THE SMALLEST PRACTICAL AREA OF SOIL TO EROSION FOR THE LEAST POSSIBLE TIME. TO CONTROL EROSION, SHRUBS, GROUND COVER, AND STUMPS SHALL BE MAINTAINED ON THE INDIVIDUAL LOTS, WHERE FEASIBLE. WHERE NOT FEASIBLE, APPROPRIATE EROSION CONTROL PRACTICES SHALL BE IMPLEMENTED PURSUANT TO CITY OF CAMAS CODE OF ORDINANCES CHAPTERS 14.02 AND 14.06.

E. DIRECTIONAL FELLING OF TREES SHALL BE USED TO AVOID DAMAGE TO TREES DESIGNATED FOR RETENTION.

F. ADDITIONAL REQUIREMENTS – THE PROJECT ARBORIST MAY REQUIRE ADDITIONAL TREE PROTECTION MEASURES WHICH ARE CONSISTENT WITH ACCEPTED URBAN FORESTRY PRACTICES.

G. ENCROACHMENT INTO THE ROOT PROTECTION ZONE IS ALLOWED WITH PROJECT ARBORIST APPROVAL AS DESCRIBED IN THE FOLLOWING NOTES:

G.A. EXCAVATION IN THE TOP 24 INCHES OF THE SOIL IN THE CRITICAL ROOT ZONE AREA SHOULD BEGIN AT THE EXCAVATION LINE THAT IS CLOSEST TO THE TREE.

G.B. THE EXCAVATION SHOULD BE DONE BY HAND/SHOVEL OR WITH A BACKHOE AND A MAN WITH A SHOVEL, PRUNING SHEARS, AND A PRUNING SAW.

G.C. IF DONE BY HAND, ALL ROOTS 1 INCH OR LARGER SHOULD BE PRUNED AT THE EXCAVATION LINE.

G.D. IF DONE WITH BACKHOE (MOST LIKELY SCENARIO), THEN THE OPERATOR SHALL START THE CUT AT THE EXCAVATION LINE AND CAREFULLY "FEEL" FOR ROOT/RESISTANCE. WHEN THERE IS RESISTANCE, THE MAN WITH THE SHOVEL HAND DIGS AROUND THE ROOTS AND PRUNES THE ROOTS LARGER THAN 1 INCH DIAMETER.

G.E. THE BACKHOE IS TO REMAIN OFF OF THE TREE ROOTS TO BE PRESERVED AT ALL TIMES.

G.F. ALL ROOTS SHALL BE CUT CLEANLY WITH PRUNING SHEARS OR A PRUNING SAW.

G.G. PROJECT ARBORIST MUST BE ONSITE DURING ANY WORK WITHIN THE TREE ROOT PROTECTION ZONE.

G.H. THE URBAN FORESTER MUST BE CONTACTED 24 HOURS PRIOR TO WORKING WITHIN THE TREE ROOT PROTECTION ZONE.

H. TREE PROTECTION ZONE IS DEFINED AS ALL AREAS BOUND AND PROTECTING THE OPTIMAL TREE PROTECTION ZONE.

I. TIMELINE FOR CLEARING, GRADING, AND INSTALLATION OF TREE PROTECTION MEASURES: WORK WILL BEGIN IMMEDIATELY FOLLOWING FINAL APPROVAL BY THE CITY. TREE PROTECTION MEASURES WILL BE DONE DURING CLEARING AND ANY GRADING WILL FOLLOW.

J. PRUNING/TREE REMOVAL NOTES: THE WORK TO BE COMPLETED UNDER THIS PROJECT SHALL CONSIST OF TREE REMOVAL AND TREE TRIMMING AS LISTED.

J.A. THE CONTRACTOR SHALL PROVIDE ADEQUATE CREW OF MEN, EQUIPMENT AND MATERIALS TO SAFELY AND EFFICIENTLY COMPLETE THE ASSIGNED WORK. EACH SUCH CREW SHALL INCLUDE AN INDIVIDUAL WHO SHALL BE DESIGNATED AS THE CREW SUPERVISOR AND WHO SHALL BE RESPONSIBLE FOR THE CREW'S ACTIVITIES AND WHO SHALL RECEIVE INSTRUCTION FROM THE OWNER OR THE OWNER'S REPRESENTATIVE AND DIRECT THE CREW TO ACCOMPLISH SUCH WORK.

J.B. WHENEVER A TREE, WHICH IS NOT SCHEDULED TO BE REMOVED, MUST BE TRIMMED OR PRUNED, THE CONTRACTOR SHALL INSURE THAT SUCH TRIMMING AND PRUNING IS CARRIED OUT UNDER THE DIRECT SUPERVISION OF A LICENSED ARBORIST. ALL PRUNING AND TRIMMING SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF ANSI A 300 "STANDARD PRACTICES FOR TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE".

J.C. THE CONTRACTOR SHALL BE REQUIRED TO CUT TREES TO A HEIGHT OF APPROXIMATELY 12". THE STUMPS AND ROOTS SHALL BE GROUND DOWN A MINIMUM OF TWELVE (12) INCHES BELOW NORMAL GROUND LEVEL.

J.D. THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE LATEST GOVERNMENTAL SAFETY REGULATIONS. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ANSI Z133.1 "PRUNING, TRIMMING, REPAIRING, MAINTAINING AND REMOVING TREES AND CUTTING BRUSH–SAFETY REQUIREMENTS" WITH SPECIAL EMPHASIS GIVEN TO THE REQUIREMENT THAT ONLY QUALIFIED LINE–CLEARANCE TREE TRIMMERS BE ASSIGNED TO WORK WHERE A POTENTIAL ELECTRICAL HAZARD EXISTS.

J.E. THE CONTRACTOR SHALL MAKE ALL THE NECESSARY ARRANGEMENTS WITH ANY UTILITY THAT MUST BE PROTECTED OR RELOCATED IN ORDER TO ACCOMPLISH THE WORK. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROTECTION OF THE OPERATING CONDITION OF ALL ACTIVE UTILITIES WITHIN THE AREA OF CONSTRUCTION AND THEY SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING UTILITIES.

J.F. ANY MATERIAL RESULTING FROM THE TRIMMING OR REMOVAL OF ANY TREES SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR.

J.G. HAZARDOUS TREES–REPORTING – ANY PERSON ENGAGED IN TRIMMING OR PRUNING WHO BECOMES AWARE OF A TREE OF DOUBTFUL STRENGTH, THAT COULD BE DANGEROUS TO PERSONS AND PROPERTY, SHALL REPORT SUCH TREE(S) TO THE OWNER OR THE OWNERS REPRESENTATIVE. SUCH TREES SHALL INCLUDE THOSE THAT ARE OVER MATURE, DISEASED, OR SHOWING SIGNS OF DECAY OR OTHER STRUCTURAL WEAKNESS.

J.H. DAMAGES–ANY DAMAGE CAUSED BY THE CONTRACTOR, INCLUDING, BUT NOT LIMITED TO, BROKEN SIDEWALK, CURB, RUTTED LAWN, BROKEN WATER SHUT–OFFS, WIRE DAMAGE, BUILDING DAMAGE, STREET DAMAGE, ETC., WILL BE REPAIRED OR REPLACED IN A TIMELY MANNER, TO THE OWNER'S SATISFACTION, AND ALL COSTS PAID BY THE CONTRACTOR.

J.I. ANY BRUSH CLEARING REQUIRED WITHIN THE TREE PROTECTION ZONE SHALL BE ACCOMPLISHED WITH <u>HAND OPERATED EQUIPMENT.</u>

J.J. TREES TO BE REMOVED SHALL BE FELLED SO AS TO FALL AWAY FROM TREE ROOT PROTECTION ZONES AND TO AVOID PULLING AND BREAKING OF ROOTS TO REMAIN.

J.K. ALL DOWNED BRUSH AND TREES SHALL BE REMOVED FROM THE TREE PROTECTION ZONE EITHER BY HAND OR WITH EQUIPMENT SITTING OUTSIDE THE TREE ROOT PROTECTION ZONE. EXTRACTION SHALL OCCUR BY LIFTING THE MATERIAL OUT, NOT BY SKIDDING IT ACROSS THE GROUND.

J.L. IF TEMPORARY HAUL OR ACCESS ROADS MUST PASS OVER THE ROOT AREA OF TREES TO BE RETAINED A ROADBED OF <u>6 INCHES</u> OF MULCH OR GRAVEL SHALL BE CREATED TO PROTECT THE SOIL. THE ROADBED MATERIAL SHALL BE REPLENISHED AS NECESSARY TO MAINTAIN A <u>6–INCH</u> DEPTH.

J.M. PRUNING. TREES SHALL BE PRUNED PRIOR TO THE START OF CONSTRUCTION. TREES SHALL BE CROWN CLEANED TO REMOVE THE DEADWOOD 2 INCHES IN DIAMETER AND OVER. TREES SHALL BE CROWN THINNED BY 10–20% CROWNS MAY BE RAISED BY REMOVING BOTTOM BRANCHES AS NECESSARY UP TO 14 FEET HIGH TO GIVE CLEARANCE FOR ANY CONSTRUCTION TRAFFIC, ACTIVITIES, ETC. ALL WORK TO BE DONE IN ACCORDANCE WITH ANSI A300 PRUNING STANDARDS. REMOVE ANY LIMBS OF DOUBTFUL STRENGTH THAT COULD BE DANGEROUS TO PERSONS AND PROPERTY.

CERTIFIED ARBORIST ISA

PRELIMINARY NOT FOR CONSTRUCTION

BRYCE D. HANSON
CERTIFICATE NUMBER: PN 7554A
EXPIRATION DATE: 06/30/25

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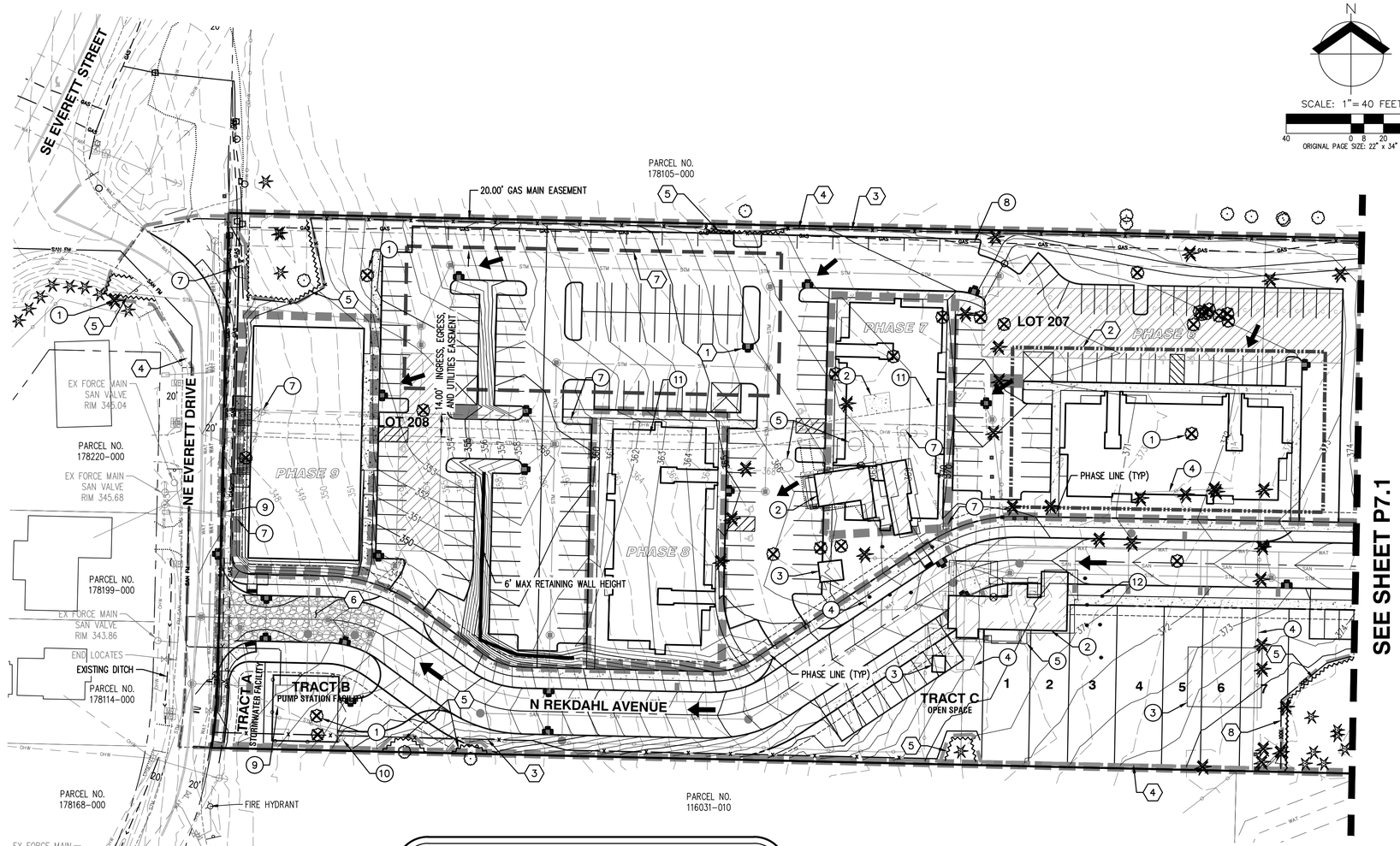
PRELIMINARY TREE PROTECTION NOTES
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

JOB NUMBER:	8397
DATE:	11/14/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P5.8



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SCALE: 1"=40 FEET

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ORIGINAL PAGE SIZE: 22" x 34"

GENERAL NOTES

1. SEE THE PRELIMINARY TREE PRESERVATION AND REMOVAL PLAN P5.0–P5.8 FOR TREE PROTECTION AND CONSTRUCTION FENCE LOCATIONS AND TREE ROOT PROTECTION ZONE RADIUS ZONES.
2. ADDITIONAL EROSION CONTROL MEASURES WILL BE INCLUDED DURING FINAL ENGINEERING TO ACCOUNT FOR GRADING ON STEEP SLOPES AND CONSTRUCTION PHASING.
3. RETAINING WALLS MAY BE NECESSARY TO COMPLETE THIS PROJECT. FINAL WALL LOCATIONS WILL BE DETERMINED WITH FINAL ENGINEERING IF NECESSARY.
4. SOME EXISTING UTILITY POLES ALONG SE EVERETT DRIVE WILL BE RELOCATED THROUGH COORDINATION WITH THE APPROPRIATE UTILITY AND CONSTRUCTION CONTRACTOR.
4. EXISTING GAS MAIN RUNNING THROUGH THE SITE TO REMAIN. COORDINATION WITH GAS COMPANY FOR ANY GRADING AND INSTALLATION OF UTILITIES ADJACENT TO GAS MAIN TO OCCUR.
5. ALL EXISTING ON-SITE WELLS AND SEPTIC FACILITIES TO BE DECOMMISSIONED.

DEMOLITION KEYED NOTES

1. EXISTING TREE TO BE REMOVED. SEE SHEETS P5.0 – P5.8 FOR TREE REMOVAL DRAWINGS.
2. REMOVE EXISTING HOUSE, DRIVEWAY, WALLS, CONCRETE PADS, AND EXISTING FEATURES.
3. REMOVE EXISTING OUT BUILDING.
4. REMOVE EXISTING FENCE.
5. REMOVE EXISTING SEPTIC.
6. SAWCUT AND REMOVE EXISTING ASPHALT AND PAVEMENT RESTORATION.
7. REMOVE EXISTING UTILITY POLE AND WIRES. COORDINATE WITH APPROPRIATE UTILITY PURVEYORS.
8. GAS MAIN TO REMAIN.
9. REMOVE EXISTING STORMWATER PIPE.
10. REMOVE EXISTING STORMWATER STRUCTURE.
11. REMOVE EXISTING ASPHALT ROAD.
12. REMOVE EXISTING UTILITY POLE. COORDINATE WITH APPROPRIATE UTILITY PURVEYORS.
13. REMOVE EXISTING METAL POST.

EROSION CONTROL KEYED NOTES

1. INSTALL INLET PROTECTION (TYP).
2. POTENTIAL STOCKPILE AREA.
3. INSTALL SEDIMENT FENCE (TYP).
4. DISTURBED LIMITS (TYP).
5. INSTALL TREE PROTECTION FENCE (TYP).
6. CONSTRUCTION ENTRANCE.
7. INSTALL TEMPORARY SEDIMENT POND.
8. INSTALL STRAW WATTLES WITH TREE PROTECTION FENCING.

LEGEND

EXISTING GROUND CONTOUR (1 FT)	349
EXISTING GROUND CONTOUR (5 FT)	350
FINISHED GRADE CONTOUR (1 FT)	364
FINISHED GRADE CONTOUR (5 FT)	365
SEDIMENT FENCE (TO BE INSTALLED PRIOR TO GRADING)	x x
SEDIMENT FENCE (TO BE INSTALLED AFTER GRADING)	xx
AREA DRAIN PROTECTION (TYP) PER CATCH BASIN INSERT BAG DETAIL	
DRAINAGE FLOW DIRECTION	
GRAVEL CONSTRUCTION ENTRANCE	
GRADING LIMITS	
TREE PROTECTION/CONSTRUCTION FENCE	
STRAW WATTLES	xxx
RETAINING WALL	
EXISTING CONIFEROUS TREE	
EXISTING DECIDUOUS TREE	
TREE REMOVAL	
POTENTIAL STOCKPILE AREA	

PRELIMINARY GRADING QUANTITIES

CUT: 50,000 C.Y. STRIPPINGS (ASSUME 12" DEPTH): 75,000 C.Y.
FILL: 45,000 C.Y.

VOLUMES ARE FOR THE OVERALL DEVELOPMENT PLAN.
RETAIN STRIPPINGS ON SITE AND REDISTRIBUTE (6" DEPTH AVG.) OVER DISTURBED BUILDABLE LOT AREAS AFTER ALL GRADING ACTIVITIES ARE COMPLETED. ADDITIONAL STRIPPINGS MAY BE PLACED IN LANDSCAPE TRACT AREAS WHERE NO STRUCTURES WILL BE PLACED TO ACHIEVE FINISHED GRADE.

ASSUMPTIONS:
BASED ON 12" STRIPPINGS DEPTH OVER SITE
UTILITY TRENCHING NOT INCLUDED

NOTE: CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES FOR BID PURPOSES.

CUT AND FILL QUANTITIES SHOWN ARE BASED OFF OF GENERAL SITE GRADING ESTABLISHED FROM THE FINISHED STRIPPING GRADE TO THE FINISHED PROPOSED SUBGRADE. THESE VOLUMES ALSO INCLUDE APPROXIMATE OVER EXCAVATION FOR ROADWAY SUBGRADE. THESE VOLUMES DO NOT TAKE INTO ACCOUNT ANY UNKNOWN UNSUITABLE SOIL DEPOSITS OR OVER EXCAVATION OF NON-ORGANIC MATERIALS FOUND ONSITE, NOR WET WEATHER CONDITIONS AND MEASURES SHOULD THIS APPLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PRODUCE THEIR OWN INDEPENDENT GRADING VOLUMES AS WELL AS ACCOUNT FOR ANY OBSERVATIONS OR MEASURES DIRECTED WITHIN THE GEOTECHNICAL REPORT OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER ONSITE THROUGHOUT CONSTRUCTION.

NOTE: DEMOLITION AND REMOVAL OF ALL STRUCTURES TOGETHER WITH DECOMMISSIONING OF ALL WELLS, SEPTIC TANKS, AND UNDERGROUND STORAGE TANKS (IF ANY EXIST) SHALL BE COMPLETED PRIOR TO SITE GRADING.

CONTRACTOR TO PROPERLY ABANDON AND/OR PROPERLY DECOMMISSIONED ANY WATER WELLS LOCATED ON SITE PER CLARK COUNTY HEALTH DEPARTMENT REQUIREMENTS. CONTRACTOR SHALL SUBMIT ALL ABANDONMENT DOCUMENTATION TO THE CITY INSPECTOR.

DEMOLITION PERMITS FROM THE CITY OF CAMAS BUILDING DEPARTMENT REQUIRED PRIOR TO REMOVING EXISTING STRUCTURES.

THESE EROSION AND SEDIMENT CONTROL PLANS APPLY TO "DRY WEATHER" AND "WET WEATHER" CONDITIONS.

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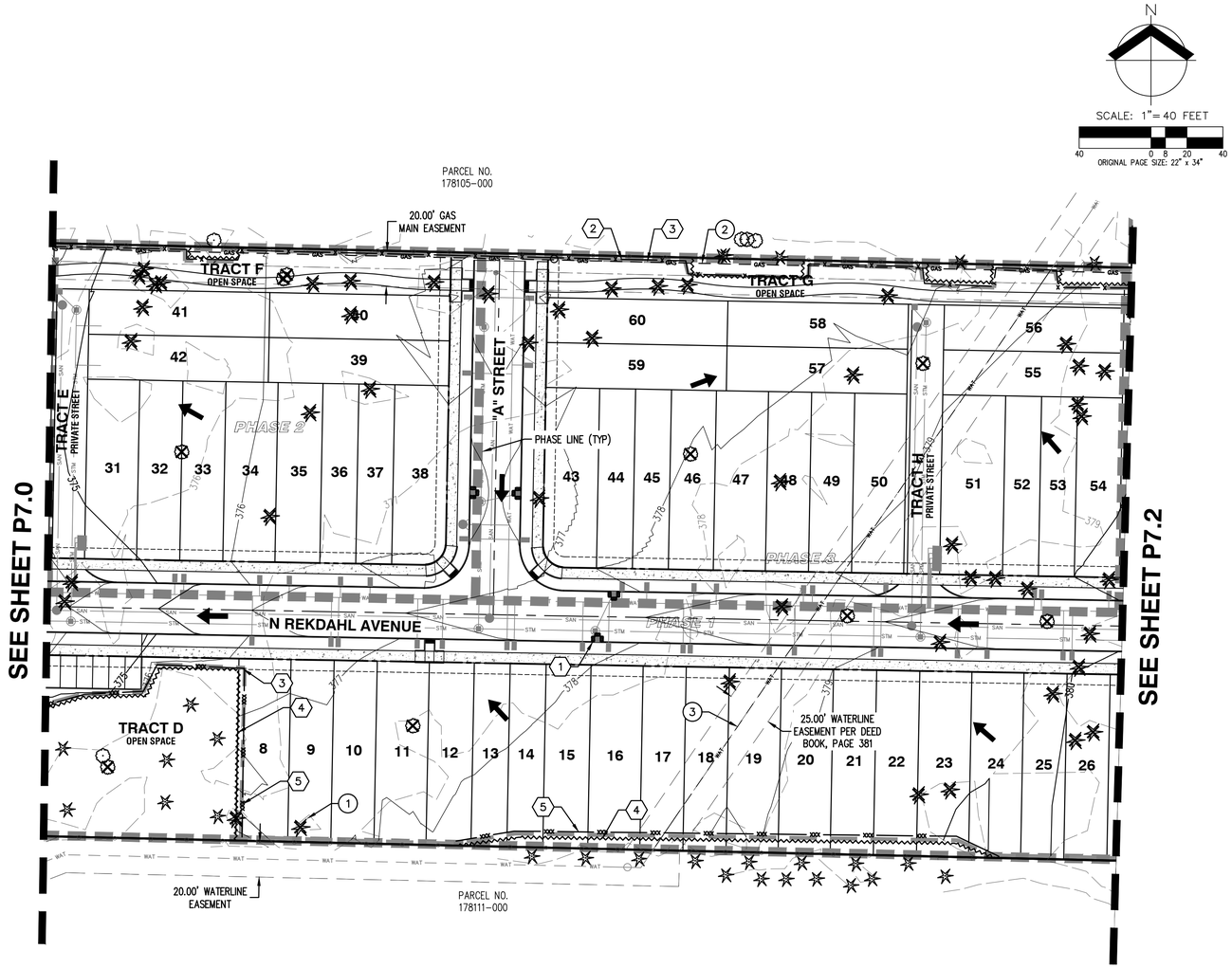
PRELIMINARY DEMO, GRADING, AND ESC PLAN
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

PRELIMINARY NOT FOR CONSTRUCTION

JOB NUMBER:	8397
DATE:	11/1/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P7.0

AKS DRAWING FILE: 8397 P4 GRADING DEMO AND ESC.DWG | LAYOUT: P7.0



GENERAL NOTES

1. SEE THE PRELIMINARY TREE PRESERVATION AND REMOVAL PLAN P5.0–P5.8 FOR TREE PROTECTION AND CONSTRUCTION FENCE LOCATIONS AND TREE ROOT PROTECTION ZONE RADIUS ZONES.
2. ADDITIONAL EROSION CONTROL MEASURES WILL BE INCLUDED DURING FINAL ENGINEERING TO ACCOUNT FOR GRADING ON STEEP SLOPES AND CONSTRUCTION PHASING.
3. RETAINING WALLS MAY BE NECESSARY TO COMPLETE THIS PROJECT. FINAL WALL LOCATIONS WILL BE DETERMINED WITH FINAL ENGINEERING IF NECESSARY.
4. SOME EXISTING UTILITY POLES ALONG SE EVERETT DRIVE WILL BE RELOCATED THROUGH COORDINATION WITH THE APPROPRIATE UTILITY AND CONSTRUCTION CONTRACTOR.
4. EXISTING GAS MAIN RUNNING THROUGH THE SITE TO REMAIN. COORDINATION WITH GAS COMPANY FOR ANY GRADING AND INSTALLATION OF UTILITIES ADJACENT TO GAS MAIN TO OCCUR.
5. ALL EXISTING ON-SITE WELLS AND SEPTIC FACILITIES TO BE DECOMMISSIONED.

DEMOLITION KEYED NOTES (#)

1. EXISTING TREE TO BE REMOVED. SEE SHEETS P5.0 – P5.8 FOR TREE REMOVAL DRAWINGS.
2. GAS MAIN TO REMAIN.
3. EXISTING WATER TO BE REMOVED AND EXISTING EASMENT TO BE VACATED.

EROSION CONTROL KEYED NOTES (#)

1. INSTALL INLET PROTECTION (TYP).
2. INSTALL SEDIMENT FENCE (TYP).
3. DISTURBED LIMITS (TYP).
4. INSTALL TREE PROTECTION (TYP).
5. INSTALL STRAW WATTLES WITH TREE PROTECTION FENCING.

LEGEND

EXISTING GROUND CONTOUR (1 FT)	349
EXISTING GROUND CONTOUR (5 FT)	350
FINISHED GRADE CONTOUR (1 FT)	364
FINISHED GRADE CONTOUR (5 FT)	365
SEDIMENT FENCE (TO BE INSTALLED PRIOR TO GRADING)	x x
SEDIMENT FENCE (TO BE INSTALLED AFTER GRADING)	xx
AREA DRAIN PROTECTION (TYP) PER CATCH BASIN INSERT BAG DETAIL	
DRAINAGE FLOW DIRECTION	
GRAVEL CONSTRUCTION ENTRANCE	
GRADING LIMITS	
TREE PROTECTION/CONSTRUCTION FENCE	
STRAW WATTLES	xxx
RETAINING WALL	
EXISTING CONIFEROUS TREE	
EXISTING DECIDUOUS TREE	
TREE REMOVAL	
POTENTIAL STOCKPILE AREA	

PRELIMINARY GRADING QUANTITIES

CUT: 50,000 C.Y. STRIPPINGS (ASSUME 12" DEPTH): 75,000 C.Y.
FILL: 45,000 C.Y.

VOLUMES ARE FOR THE OVERALL DEVELOPMENT PLAN.

RETAIN STRIPPINGS ON SITE AND REDISTRIBUTE (6" DEPTH AVG.) OVER DISTURBED BUILDABLE LOT AREAS AFTER ALL GRADING ACTIVITIES ARE COMPLETED. ADDITIONAL STRIPPINGS MAY BE PLACED IN LANDSCAPE TRACT AREAS WHERE NO STRUCTURES WILL BE PLACED TO ACHIEVE FINISHED GRADE.

ASSUMPTIONS:
BASED ON 12" STRIPPINGS DEPTH OVER SITE
UTILITY TRENCHING NOT INCLUDED

NOTE: CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES FOR BID PURPOSES.

CUT AND FILL QUANTITIES SHOWN ARE BASED OFF OF GENERAL SITE GRADING ESTABLISHED FROM THE FINISHED STRIPPING GRADE TO THE FINISHED PROPOSED SUBGRADE. THESE VOLUMES ALSO INCLUDE APPROXIMATE OVER EXCAVATION FOR ROADWAY SUBGRADE. THESE VOLUMES DO NOT TAKE INTO ACCOUNT ANY UNKNOWN UNSUITABLE SOIL DEPOSITS OR OVER EXCAVATION OF NON-ORGANIC MATERIALS FOUND ONSITE, NOR WET WEATHER CONDITIONS AND MEASURES SHOULD THIS APPLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PRODUCE THEIR OWN INDEPENDENT GRADING VOLUMES AS WELL AS ACCOUNT FOR ANY OBSERVATIONS OR MEASURES DIRECTED WITHIN THE GEOTECHNICAL REPORT OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER ONSITE THROUGHOUT CONSTRUCTION.

NOTE: DEMOLITION AND REMOVAL OF ALL STRUCTURES TOGETHER WITH DECOMMISSIONING OF ALL WELLS, SEPTIC TANKS, AND UNDERGROUND STORAGE TANKS (IF ANY EXIST) SHALL BE COMPLETED PRIOR TO SITE GRADING.

CONTRACTOR TO PROPERLY ABANDON AND/OR PROPERLY DECOMMISSIONED ANY WATER WELLS LOCATED ON SITE PER CLARK COUNTY HEALTH DEPARTMENT REQUIREMENTS. CONTRACTOR SHALL SUBMIT ALL ABANDONMENT DOCUMENTATION TO THE CITY INSPECTOR.

DEMOLITION PERMITS FROM THE CITY OF CAMAS BUILDING DEPARTMENT REQUIRED PRIOR TO REMOVING EXISTING STRUCTURES.

THESE EROSION AND SEDIMENT CONTROL PLANS APPLY TO "DRY WEATHER" AND "WET WEATHER" CONDITIONS.

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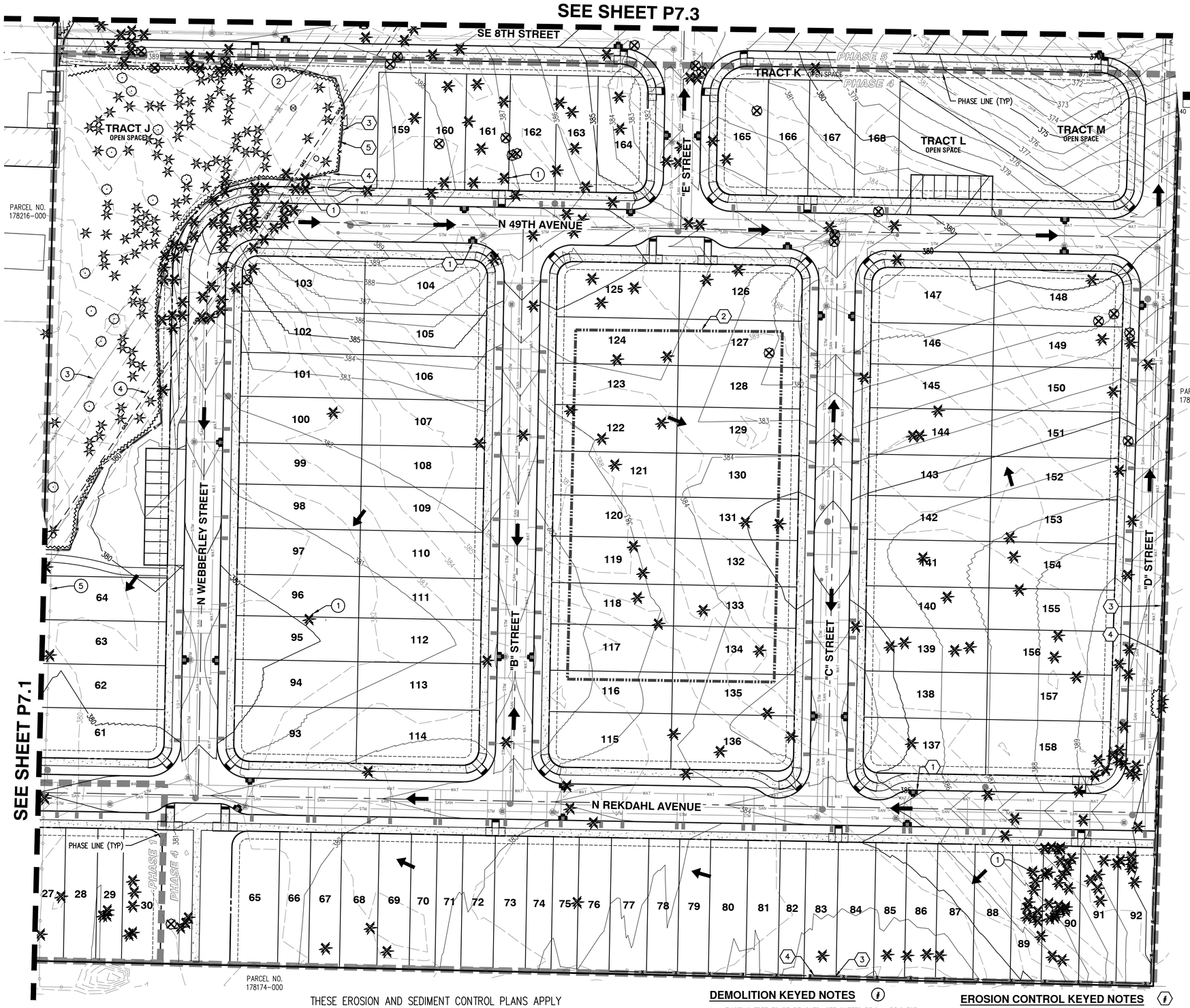
PRELIMINARY DEMO, GRADING, AND ESC PLAN
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

JOB NUMBER:	8397
DATE:	11/1/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P7.1

AKS DRAWING FILE: 8397 P4 GRADING DEMO AND ESC.DWG | LAYOUT: P7.1



THESE EROSION AND SEDIMENT CONTROL PLANS APPLY TO "DRY WEATHER" AND "WET WEATHER" CONDITIONS.

DEMOLITION KEYED NOTES

1. EXISTING TREE TO BE REMOVED. SEE SHEETS P5.0 – P5.8 FOR TREE REMOVAL DRAWINGS.
2. CUT AND CAP WATER MAIN AT GRADING LIMIT.
3. CUT, CAP, AND ABANDONED WATER MAIN WITHIN TRACT J.
4. GAS LINE TO REMAIN.
5. REMOVE FENCE.

EROSION CONTROL KEYED NOTES

1. INSTALL INLET PROTECTION (TYP).
2. POTENTIAL STOCKPILE AREA.
3. INSTALL SEDIMENT FENCE (TYP).
4. DISTURBED LIMITS (TYP).
5. INSTALL TREE PROTECTION (TYP).

SCALE: 1"=40 FEET

ORIGINAL PAGE SIZE: 22" x 34"

GENERAL NOTES

1. SEE THE PRELIMINARY TREE PRESERVATION AND REMOVAL PLAN P5.0–P5.8 FOR TREE PROTECTION AND CONSTRUCTION FENCE LOCATIONS AND TREE ROOT PROTECTION ZONE RADIUS ZONES.
2. ADDITIONAL EROSION CONTROL MEASURES WILL BE INCLUDED DURING FINAL ENGINEERING TO ACCOUNT FOR GRADING ON STEEP SLOPES AND CONSTRUCTION PHASING.
3. RETAINING WALLS MAY BE NECESSARY TO COMPLETE THIS PROJECT. FINAL WALL LOCATIONS WILL BE DETERMINED WITH FINAL ENGINEERING IF NECESSARY.
4. SOME EXISTING UTILITY POLES ALONG SE EVERETT DRIVE WILL BE RELOCATED THROUGH COORDINATION WITH THE APPROPRIATE UTILITY AND CONSTRUCTION CONTRACTOR.
4. EXISTING GAS MAIN RUNNING THROUGH THE SITE TO REMAIN. COORDINATION WITH GAS COMPANY FOR ANY GRADING AND INSTALLATION OF UTILITIES ADJACENT TO GAS MAIN TO OCCUR.
5. ALL EXISTING ON-SITE WELLS AND SEPTIC FACILITIES TO BE DECOMMISSIONED.

PRELIMINARY GRADING QUANTITIES

CUT: 50,000 C.Y. STRIPPINGS (ASSUME 12" DEPTH): 75,000 C.Y.
FILL: 45,000 C.Y.

VOLUMES ARE FOR THE OVERALL DEVELOPMENT PLAN.

RETAIN STRIPPINGS ON SITE AND REDISTRIBUTE (6" DEPTH AVG.) OVER DISTURBED BUILDABLE LOT AREAS AFTER ALL GRADING ACTIVITIES ARE COMPLETED. ADDITIONAL STRIPPINGS MAY BE PLACED IN LANDSCAPE TRACT AREAS WHERE NO STRUCTURES WILL BE PLACED TO ACHIEVE FINISHED GRADE.

ASSUMPTIONS:
BASED ON 12" STRIPPINGS DEPTH OVER SITE
UTILITY TRENCHING NOT INCLUDED

NOTE: CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES FOR BID PURPOSES.

CUT AND FILL QUANTITIES SHOWN ARE BASED OFF OF GENERAL SITE GRADING ESTABLISHED FROM THE FINISHED STRIPPING GRADE TO THE FINISHED PROPOSED SUBGRADE. THESE VOLUMES ALSO INCLUDE APPROXIMATE OVER EXCAVATION FOR ROADWAY SUBGRADE. THESE VOLUMES DO NOT TAKE INTO ACCOUNT ANY UNKNOWN UNSUITABLE SOIL DEPOSITS OR OVER EXCAVATION OF NON-ORGANIC MATERIALS FOUND ONSITE, NOR WET WEATHER CONDITIONS AND MEASURES SHOULD THIS APPLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PRODUCE THEIR OWN INDEPENDENT GRADING VOLUMES AS WELL AS ACCOUNT FOR ANY OBSERVATIONS OR MEASURES DIRECTED WITHIN THE GEOTECHNICAL REPORT OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER ONSITE THROUGHOUT CONSTRUCTION.

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DEMOLITION PERMITS FROM THE CITY OF CAMAS BUILDING DEPARTMENT REQUIRED PRIOR TO REMOVING EXISTING STRUCTURES.

LEGEND

- EXISTING GROUND CONTOUR (1 FT) — 349 —
- EXISTING GROUND CONTOUR (5 FT) — 350 —
- FINISHED GRADE CONTOUR (1 FT) — 364 —
- FINISHED GRADE CONTOUR (5 FT) — 365 —
- SEDIMENT FENCE (TO BE INSTALLED PRIOR TO GRADING) — x — x —
- SEDIMENT FENCE (TO BE INSTALLED AFTER GRADING) — xx —
- AREA DRAIN PROTECTION (TYP) PER CATCH BASIN INSERT BAG DETAIL
- DRAINAGE FLOW DIRECTION
- GRAVEL CONSTRUCTION ENTRANCE
- GRADING LIMITS
- TREE PROTECTION/CONSTRUCTION FENCE
- STRAW WATTLES — xxx —
- RETAINING WALL
- EXISTING CONIFEROUS TREE
- EXISTING DECIDUOUS TREE
- TREE REMOVAL
- POTENTIAL STOCKPILE AREA

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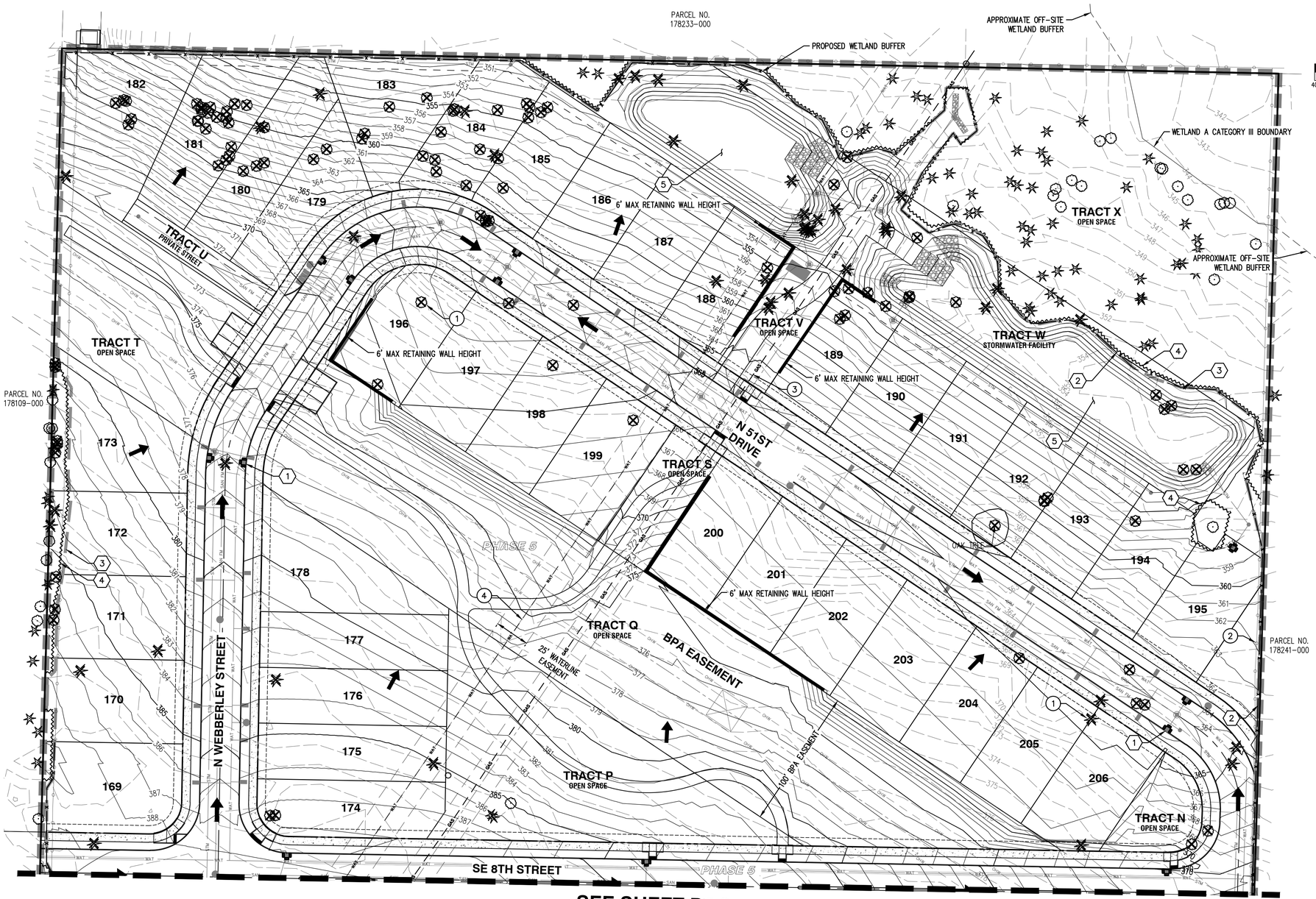
PRELIMINARY DEMO, GRADING, AND ESC PLAN
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

PRELIMINARY NOT FOR CONSTRUCTION

JOB NUMBER:	8397
DATE:	11/1/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P7.2

AKS DRAWING FILE: 8397 P4 GRADING DEMO AND ESCDWG | LAYOUT: P7.2



SEE SHEET P7.2

N

SCALE: 1"=40 FEET

40 0 8 20 40

ORIGINAL PAGE SIZE: 22" x 34"

GENERAL NOTES

1. SEE THE PRELIMINARY TREE PRESERVATION AND REMOVAL PLAN P5.0–P5.8 FOR TREE PROTECTION AND CONSTRUCTION FENCE LOCATIONS AND TREE ROOT PROTECTION ZONE RADIUS ZONES.
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4. EXISTING GAS MAIN RUNNING THROUGH THE SITE TO REMAIN. COORDINATION WITH GAS COMPANY FOR ANY GRADING AND INSTALLATION OF UTILITIES ADJACENT TO GAS MAIN TO OCCUR.
5. ALL EXISTING ON–SITE WELLS AND SEPTIC FACILITIES TO BE DECOMMISSIONED.

PRELIMINARY GRADING QUANTITIES

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FILL: 45,000 C.Y.

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ASSUMPTIONS:
BASED ON 12" STRIPPINGS DEPTH OVER SITE
UTILITY TRENCHING NOT INCLUDED

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LEGEND

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SEDIMENT FENCE (TO BE INSTALLED PRIOR TO GRADING) — x — x —
SEDIMENT FENCE (TO BE INSTALLED AFTER GRADING) — xx —
AREA DRAIN PROTECTION (TYP) PER CATCH BASIN INSERT BAG DETAIL
DRAINAGE FLOW DIRECTION
GRAVEL CONSTRUCTION ENTRANCE
GRADING LIMITS
TREE PROTECTION/CONSTRUCTION FENCE
STRAW WATTLES — xxx —
RETAINING WALL
EXISTING CONIFEROUS TREE
EXISTING DECIDUOUS TREE
TREE REMOVAL
POTENTIAL STOCKPILE AREA

DEMOLITION KEYED NOTES

1. EXISTING TREE TO BE REMOVED. SEE SHEETS P5.0 – P5.8 FOR TREE REMOVAL DRAWINGS.
2. FENCE TO BE REMOVED.
3. GAS MAIN TO REMAIN.
4. EXISTING WATER MAIN TO BE REMOVED AND EXISTING EASEMENT TO BE VACATED.

EROSION CONTROL KEYED NOTES

1. INSTALL INLET PROTECTION (TYP).
2. INSTALL SEDIMENT FENCE (TYP).
3. DISTURBED LIMITS (TYP).
4. INSTALL TREE PROTECTION (TYP).
5. PERMANENT POND TO BE USED AS TEMPORARY SEDIMENT CONTROL POND DURING CONSTRUCTION.

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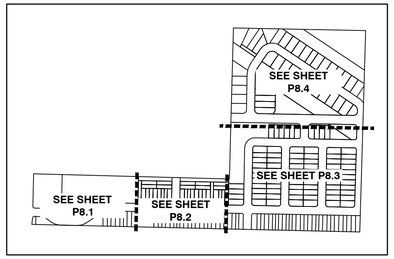
PRELIMINARY DEMO, GRADING, AND ESC PLAN
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

BRYCE D. HOFFMAN
STATE OF WASHINGTON
PRELIMINARY NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER

JOB NUMBER:	8397
DATE:	11/1/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P7.3

AKS DRAWING FILE: 8397 P4 GRADING DEMO AND ESC.DWG | LAYOUT: P7.3



KEY MAP

GENERAL NOTES

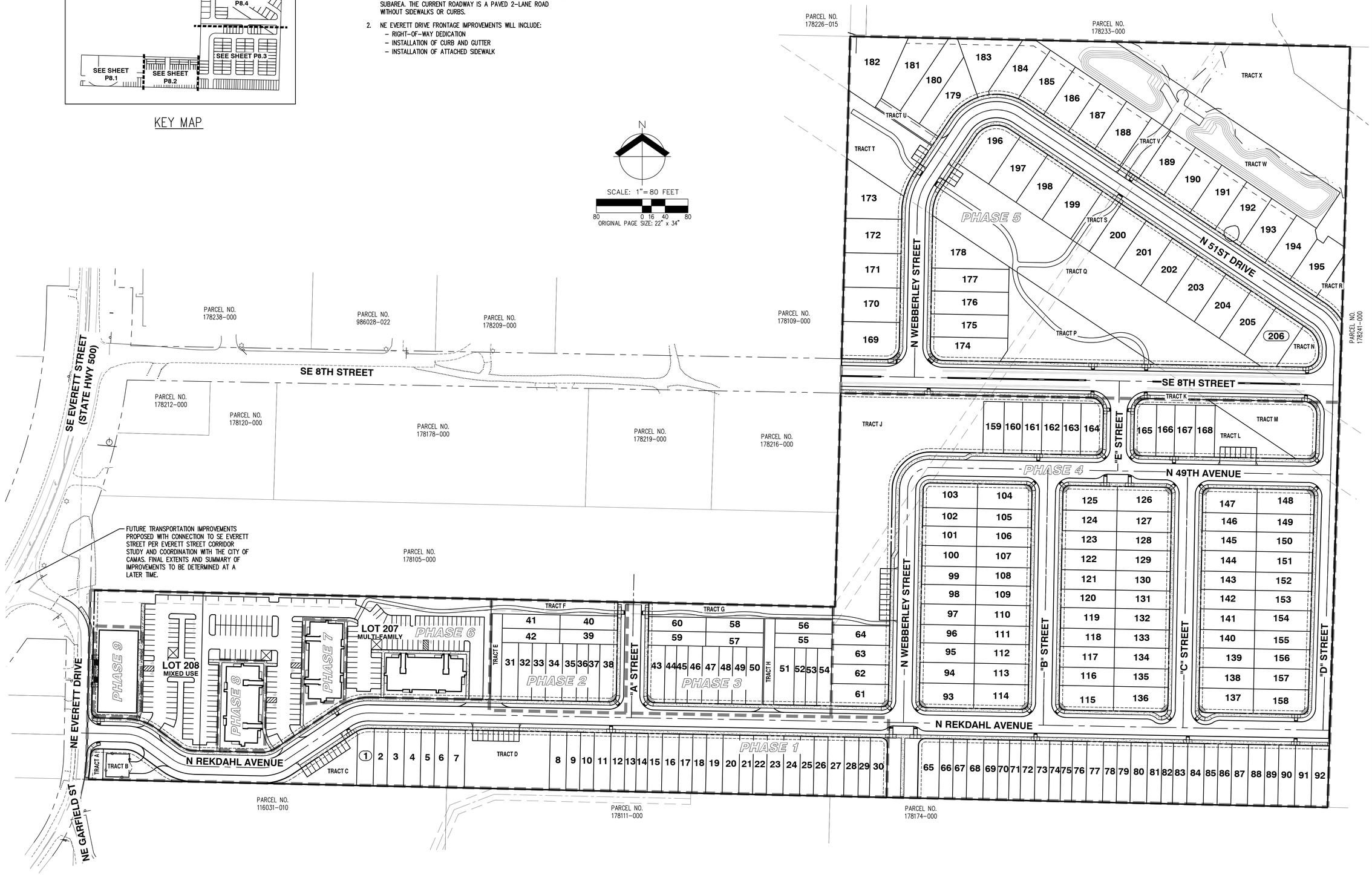
1. THE PROPOSED DEVELOPMENT WILL ACCESS OFF NE EVERETT DRIVE, WHICH IS CLASSIFIED AS A LOCAL STREET WITHIN THE NORTH SHORE SUBAREA. THE CURRENT ROADWAY IS A PAVED 2-LANE ROAD WITHOUT SIDEWALKS OR CURBS.
2. NE EVERETT DRIVE FRONTAGE IMPROVEMENTS WILL INCLUDE:
   - RIGHT-OF-WAY DEDICATION
   - INSTALLATION OF CURB AND GUTTER
   - INSTALLATION OF ATTACHED SIDEWALK

N

SCALE: 1"=80 FEET

80 0 16 40 80

ORIGINAL PAGE SIZE: 22" x 34"



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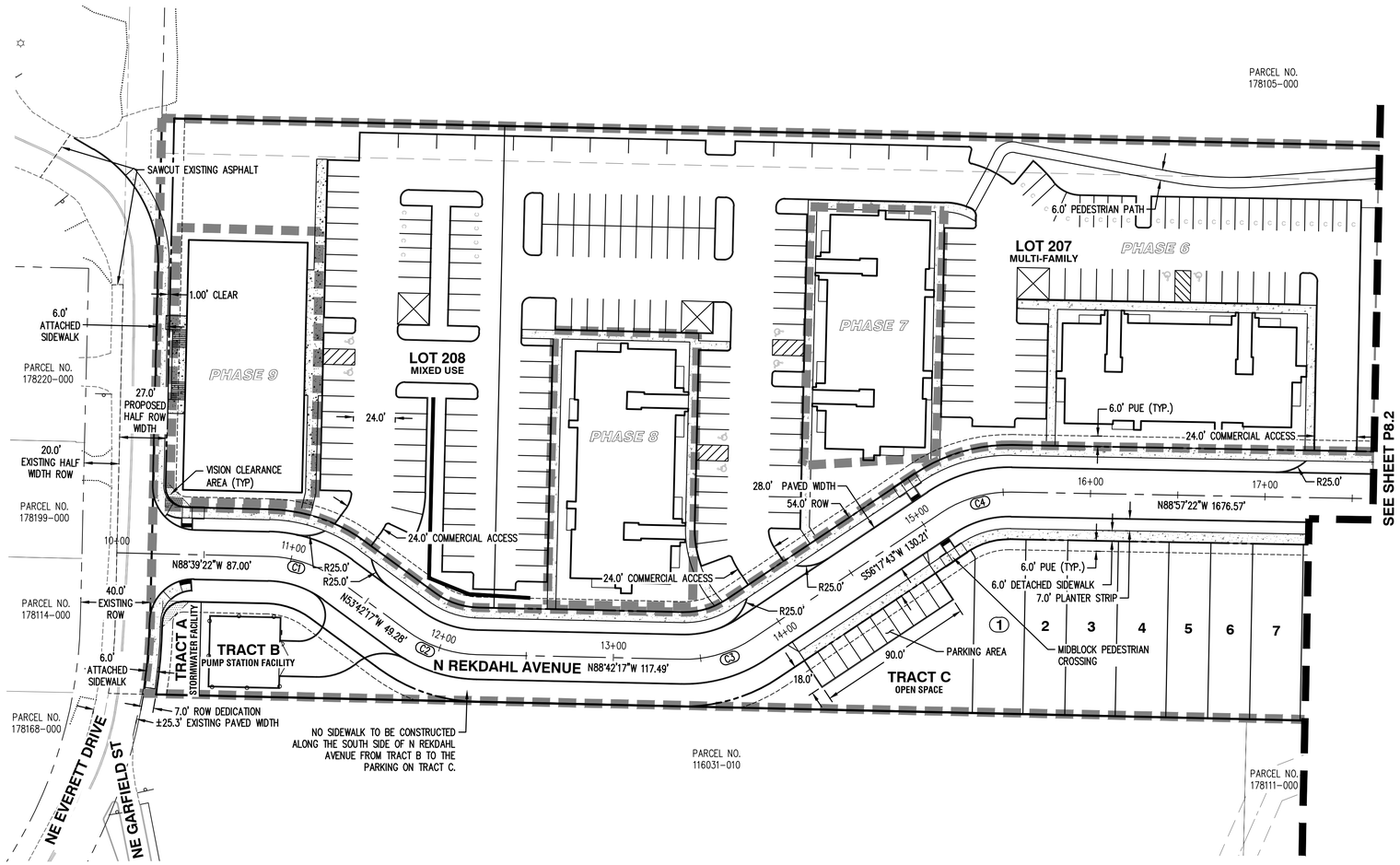
PRELIMINARY STREET PLAN OVERALL
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

PRELIMINARY NOT FOR CONSTRUCTION

JOB NUMBER:	8397
DATE:	11/1/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P8.0

AKS DRAWING FILE: 8397 P8 STREETS.DWG | LAYOUT: P8.0



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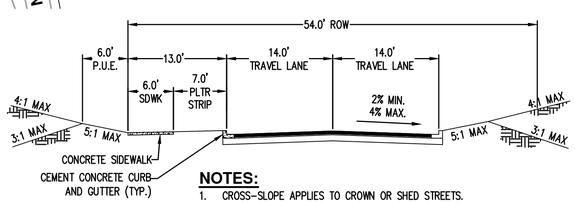
SCALE: 1" = 40 FEET

40 0 8 20 40

ORIGINAL PAGE SIZE: 22" x 34"

CURVE TABLE				
CURVE	RADIUS	DELTA	LENGTH	CHORD
C1	70.00'	34°57'05"	42.70'	N71°10'50"W 42.04'
C2	70.00'	35°00'00"	42.76'	N71°12'17"W 42.10'
C3	70.00'	35°00'00"	42.76'	S73°47'43"W 42.10'
C4	70.00'	34°44'55"	42.45'	S73°40'10"W 41.81'

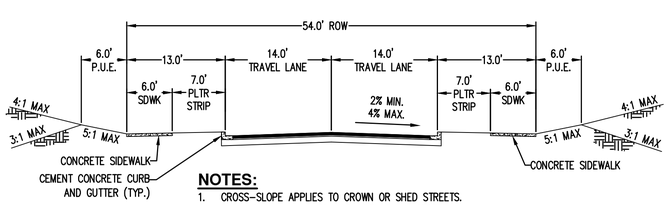


NOTES:

1. CROSS-SLOPE APPLIES TO CROWN OR SHED STREETS.
2. PARKING ONLY ALLOWED ONE SIDE OF THE STREET.
3. MINIMUM CURB RADIUS 25'.

NORTH SHORE LOCAL STREET (54' ROW)

N REKDAHL STREET (STATION 10+00 TO 14+00)



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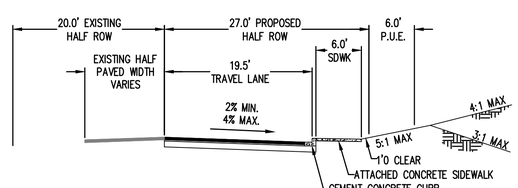
3. MINIMUM CURB RADIUS 25'.

NORTH SHORE LOCAL STREET (54' ROW)

N REKDAHL STREET (STATION 14+00 TO 32+00)

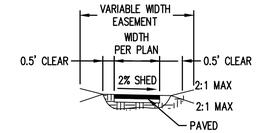


NOTES:

1. CROSS-SLOPE APPLIES TO CROWN OR SHED STREETS.
2. NO PARKING ON NE EVERETT DRIVE.
3. MINIMUM CURB RADIUS 25'.

NORTH SHORE LOCAL STREET (54' ROW)
EVERETT DRIVE HALF-WIDTH

NE EVERETT DRIVE



PEDESTRIAN PATH

GENERAL NOTES

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2. NE EVERETT DRIVE FRONTAGE IMPROVEMENTS WILL INCLUDE:
   - RIGHT-OF-WAY DEDICATION
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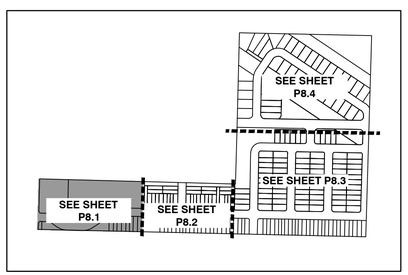

KEY MAP

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PRELIMINARY STREET PLAN
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

PRELIMINARY NOT FOR CONSTRUCTION

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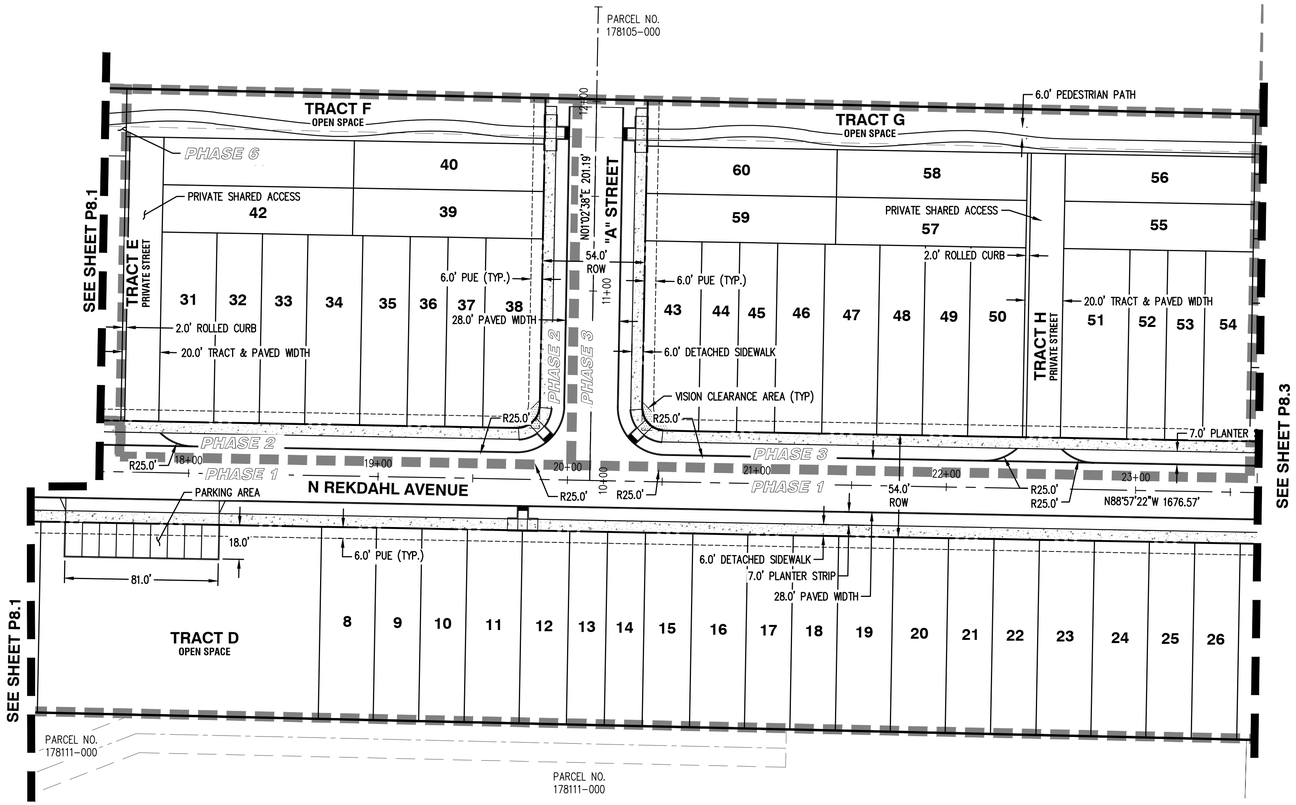

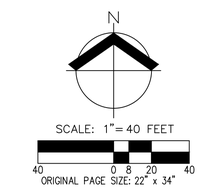

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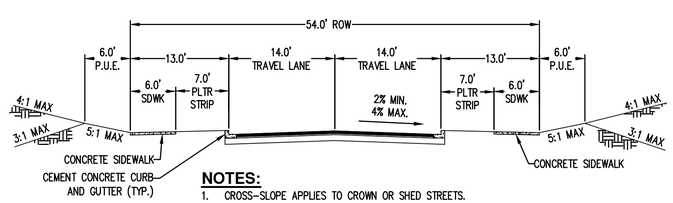
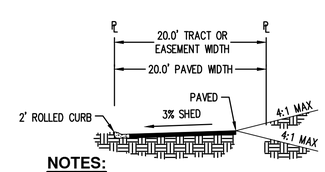


NOTES:

1. CROSS-SLOPE APPLIES TO CROWN OR SHED STREETS.
2. PARKING ONLY ALLOWED ONE SIDE OF THE STREET.
3. MINIMUM CURB RADIUS 25'.

NORTH SHORE LOCAL STREET (54' ROW)

N REKDAHL AVENUE, "A" STREET

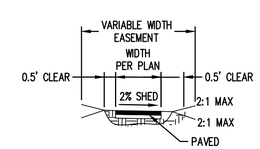


NOTES:

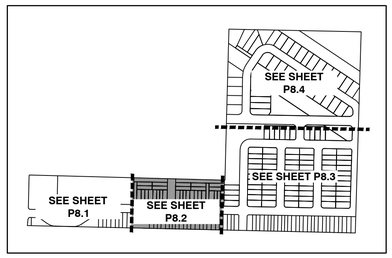
1. ACCESS TO FOUR OR LESS DWELLING UNITS.

PRIVATE STREET - (20' TRACT WIDTH)

TRACT E & TRACT H



PEDESTRIAN PATH



KEY MAP

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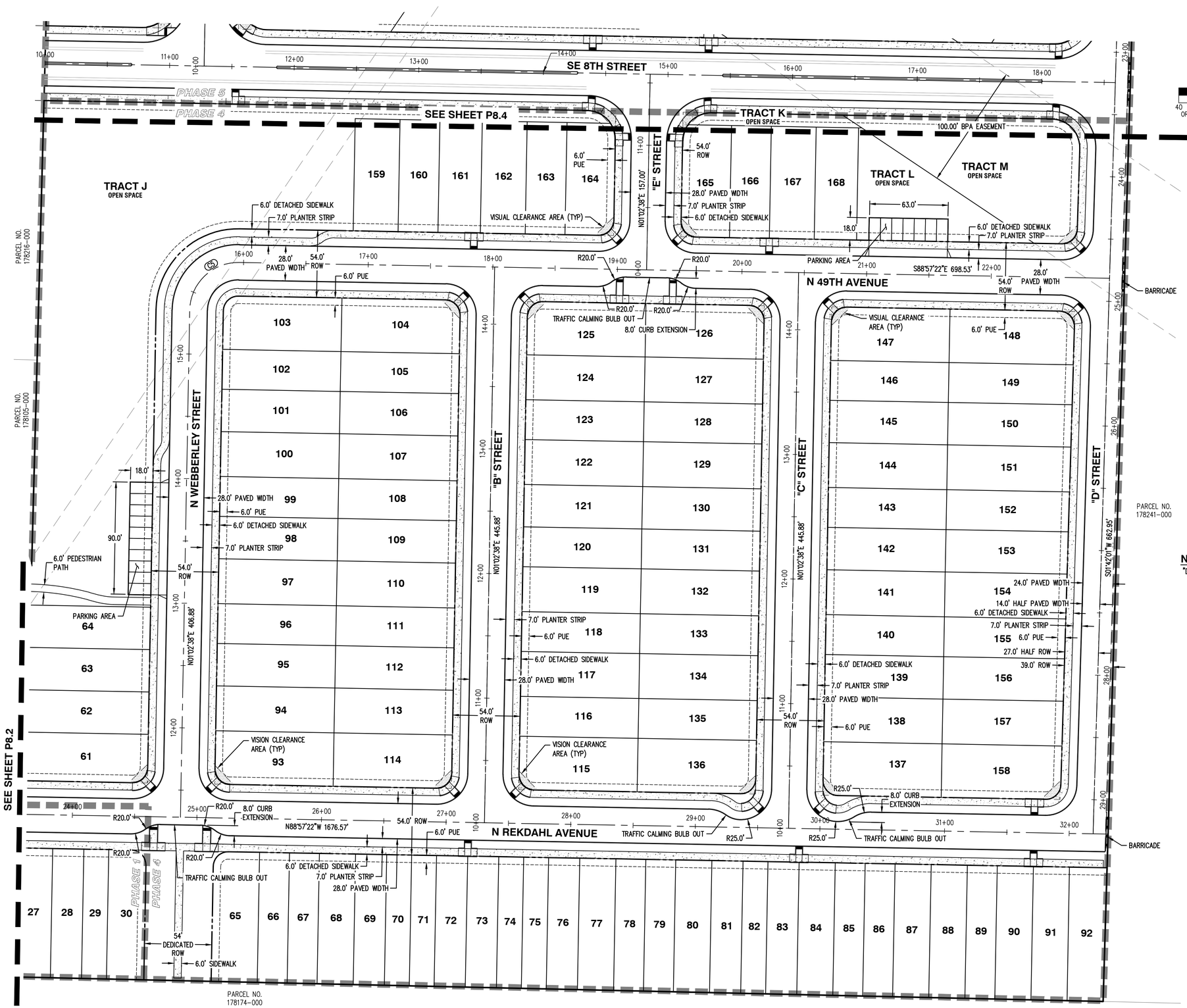
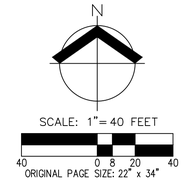
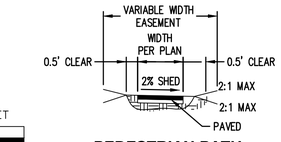
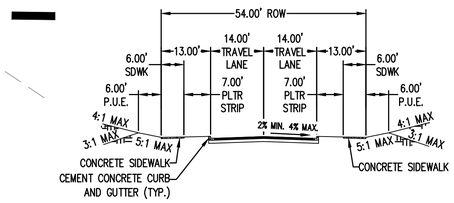
AKS DRAWING FILE: 8397 P8 STREETS.DWG | LAYOUT: P8.2







PEDESTRIAN PATH

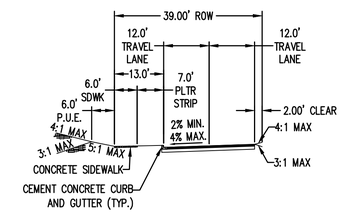


NOTES:

1. MINIMUM CURB RETURN RADIUS SHALL BE 35'.
2. NO PARKING, MARGINAL ACCESS STREET, NO NEW RESIDENTIAL DRIVEWAYS ALLOWED.

NORTH SHORE LOCAL STREET (54' ROW)

N REKDAHL AVENUE, N WEBBERLEY STREET, "B" STREET, "C" STREET, "E" STREET



NOTES:

1. CROSS-SLOPE APPLIES TO CROWN OR SHED STREETS.
2. MINIMUM CURB RADIUS 25'.

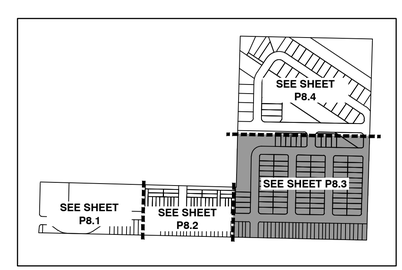
NORTH SHORE LOCAL STREET MODIFIED HALF-WIDTH

"D" STREET

CURVE TABLE				
CURVE	RADIUS	DELTA	LENGTH	CHORD
C5	39.00'	90°00'00"	61.26'	N46°02'38"E 55.15'

GENERAL NOTES

1. THE PROPOSED DEVELOPMENT WILL ACCESS OFF NE EVERETT DRIVE, WHICH IS CLASSIFIED AS A LOCAL STREET WITHIN THE NORTH SHORE SUBAREA. THE CURRENT ROADWAY IS A PAVED 2-LANE ROAD WITHOUT SIDEWALKS OR CURBS.
2. NE EVERETT DRIVE FRONTAGE IMPROVEMENTS WILL INCLUDE:
   - RIGHT-OF-WAY DEDICATION
   - INSTALLATION OF CURB AND GUTTER
   - INSTALLATION OF ATTACHED SIDEWALK



KEY MAP

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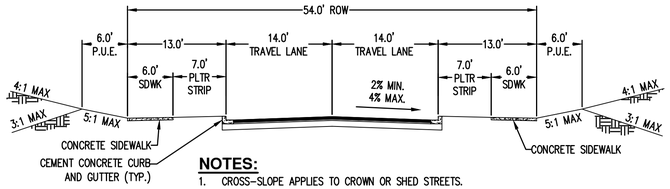
PRELIMINARY STREET PLAN
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

PRELIMINARY NOT FOR CONSTRUCTION
BRYCE D. HOLMES
STATE OF WASHINGTON
PROFESSIONAL ENGINEER

JOB NUMBER:	8397
DATE:	11/1/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P8.3

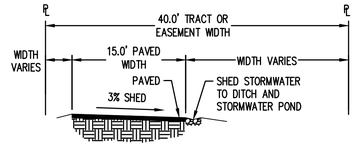
AKS DRAWING FILE: 8397 P8 STREETS.DWG | LAYOUT: P8.3



NOTES:
1. CROSS-SLOPE APPLIES TO CROWN OR SHED STREETS.
2. PARKING ONLY ALLOWED ONE SIDE OF THE STREET.
3. MINIMUM CURB RADIUS 25'.

NORTH SHORE LOCAL STREET (54' ROW)

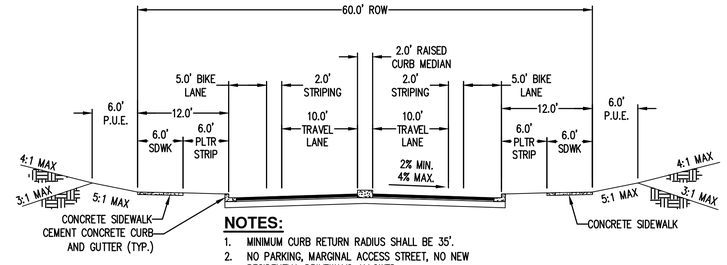
N WEBBERLY STREET, N 51ST DRIVE



NOTES:
1. ACCESS TO STORMWATER FACILITY.

STORMWATER FACILTY ACCESS STREET (40' TRACT WIDTH)

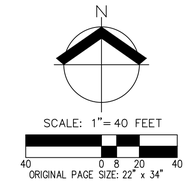
TRACT V

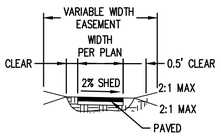


NOTES:
1. MINIMUM CURB RETURN RADIUS SHALL BE 35'.
2. NO PARKING, MARGINAL ACCESS STREET, NO NEW RESIDENTIAL DRIVEWAYS ALLOWED.

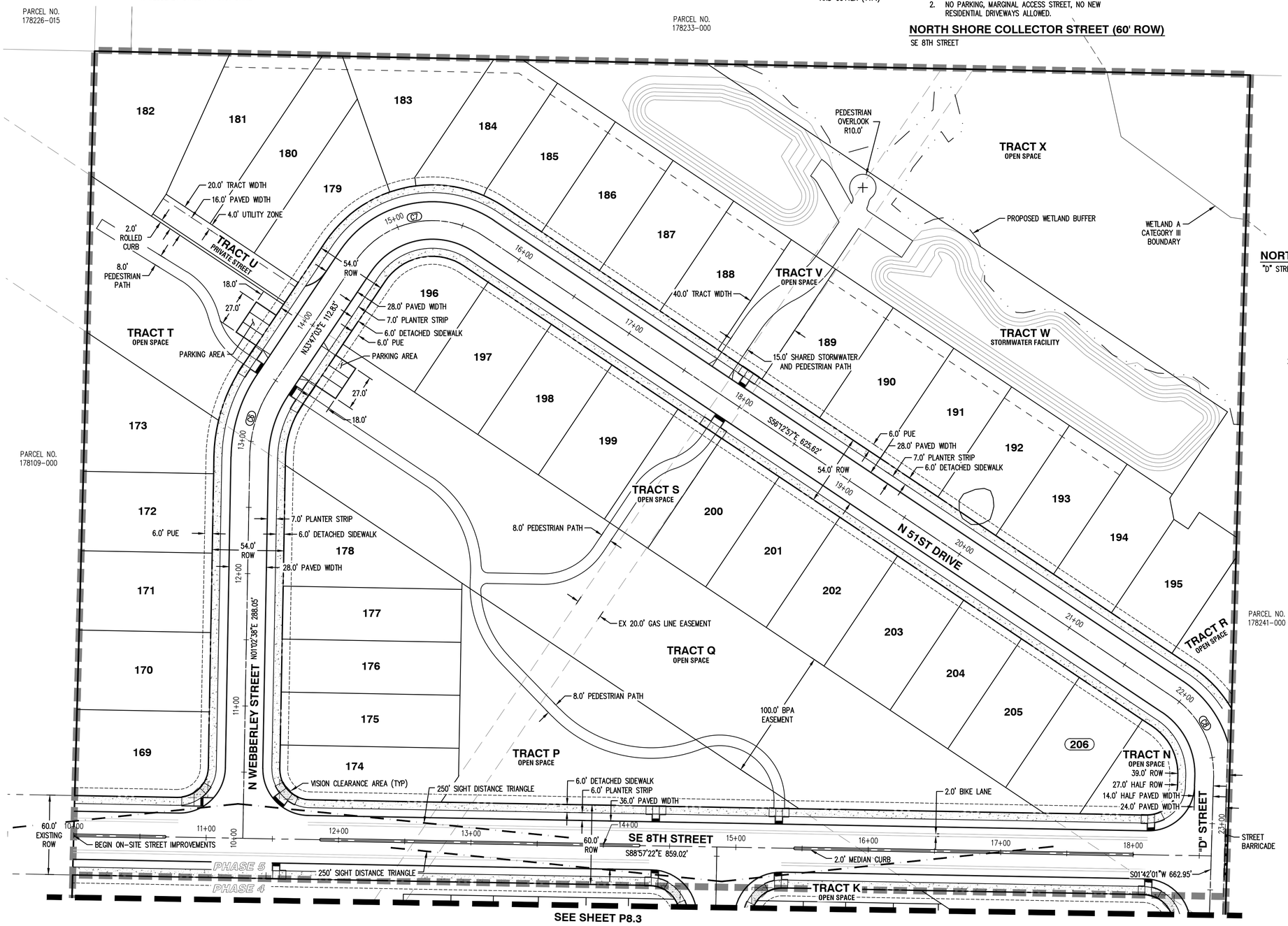
NORTH SHORE COLLECTOR STREET (60' ROW)

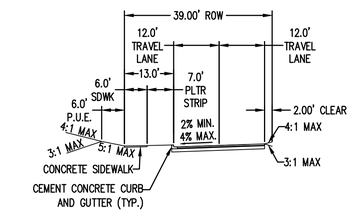
SE 8TH STREET





PEDESTRIAN PATH

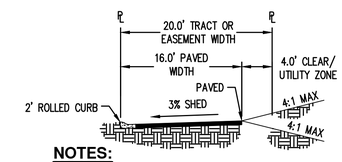




NOTES:
1. CROSS-SLOPE APPLIES TO CROWN OR SHED STREETS.
2. MINIMUM CURB RADIUS 25'.

NORTH SHORE LOCAL STREET MODIFIED HALF-WIDTH

"D" STREET



NOTES:
1. ACCESS TO FOUR OR LESS DWELLING UNITS.

PRIVATE STREET - (20' TRACT WIDTH)

TRACT U

CURVE TABLE				
CURVE	RADIUS	DELTA	LENGTH	CHORD
C6	100.00'	32°44'25"	57.14'	N17°24'50"E 56.37'
C7	70.00'	90°00'00"	109.96'	N78°47'03"E 98.99'
C8	70.00'	57°54'58"	70.76'	S27°15'28"E 67.78'

GENERAL NOTES

1. THE PROPOSED DEVELOPMENT WILL ACCESS OFF NE EVERETT DRIVE, WHICH IS CLASSIFIED AS A LOCAL STREET WITHIN THE NORTH SHORE SUBAREA. THE CURRENT ROADWAY IS A PAVED 2-LANE ROAD WITHOUT SIDEWALKS OR CURBS.
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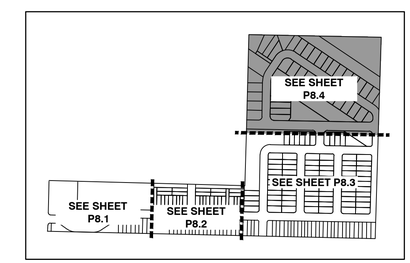

KEY MAP

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PRELIMINARY STREET PLAN
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

PRELIMINARY NOT FOR CONSTRUCTION

JOB NUMBER:	8397
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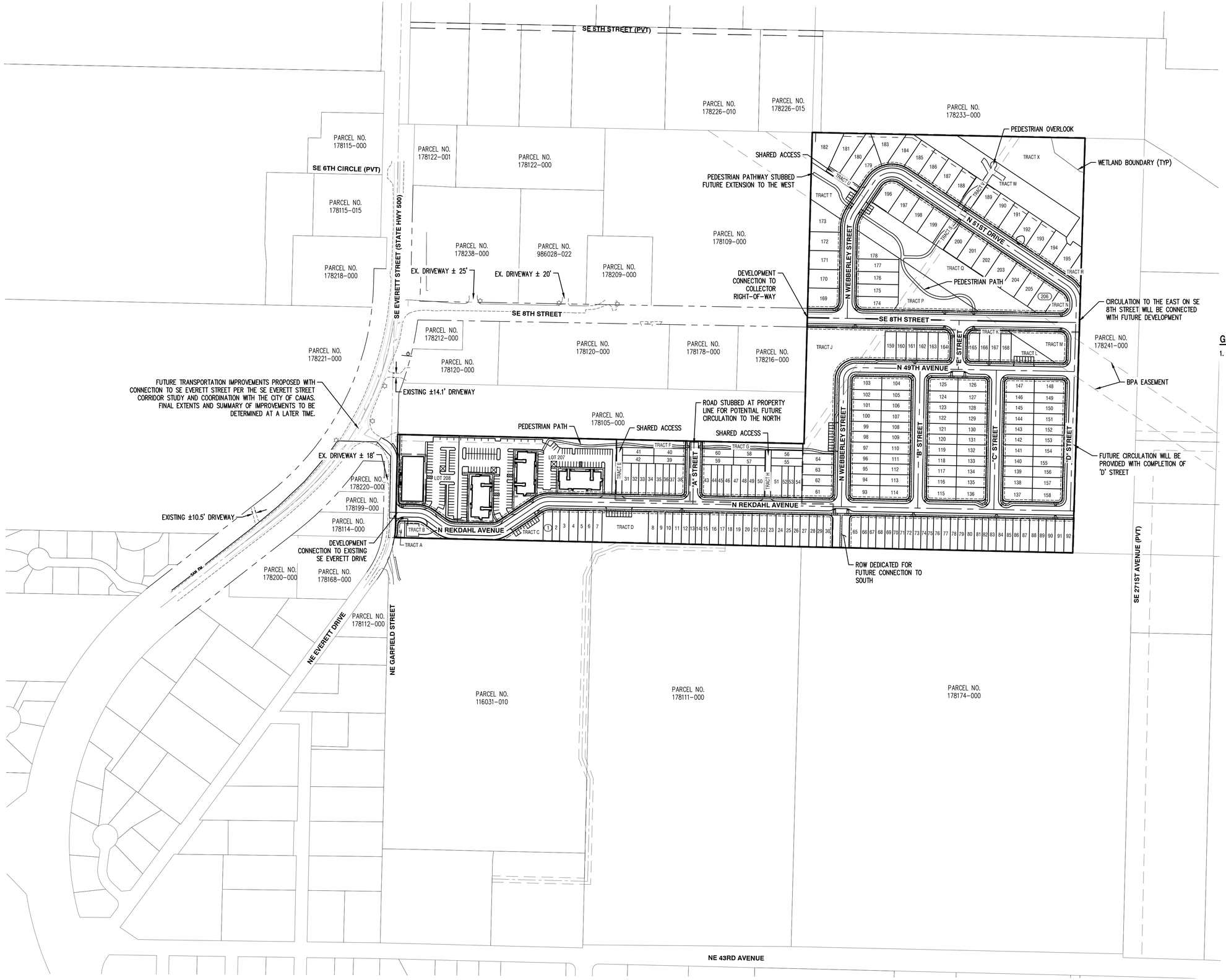
DRAWN BY:	TWW
CHECKED BY:	BDH

P8.4

AKS DRAWING FILE: 8397 P8 STREETS.DWG | LAYOUT: P8.4



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SCALE: 1" = 150 FEET

150 0 30 75 150

ORIGINAL PAGE SIZE: 22" x 34"

GENERAL NOTES

1. SEE SHEET P8.1, P8.2, P8.3 AND P8.4 FOR PROPOSED ROADWAY WIDTHS, TURNING RADII, AND PARKING.

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PRELIMINARY CIRCULATION PLAN
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

PRELIMINARY NOT FOR CONSTRUCTION

BRYCE D. HARRY
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER

JOB NUMBER:	8397
DATE:	11/1/2024
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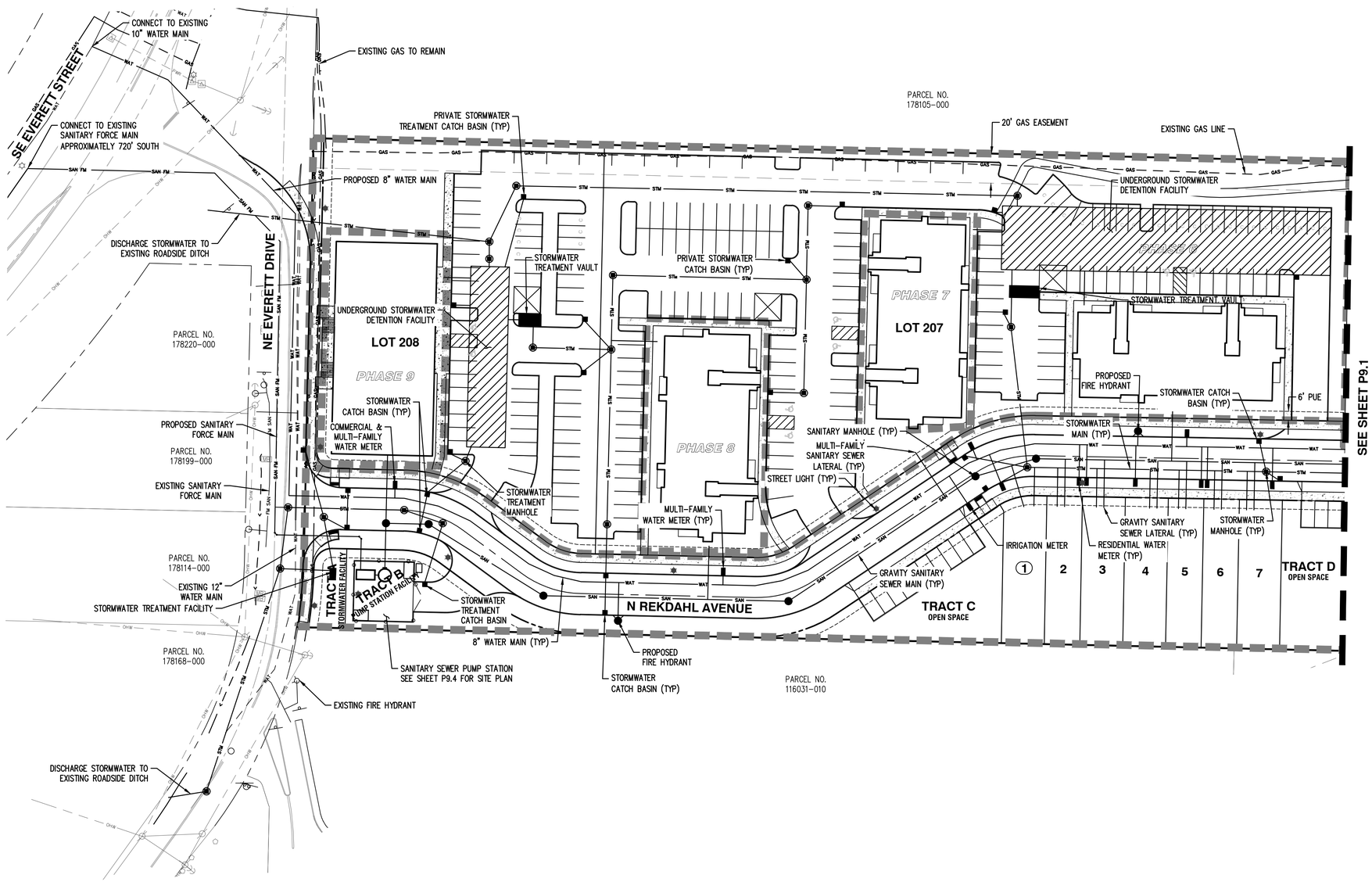
CHECKED BY:	BDH

P8.5

AKS DRAWING FILE: 8397 P10 CIRC PLAN.DWG | LAYOUT: P8.5



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SCALE: 1"=40 FEET

40 0 8 20 40

ORIGINAL PAGE SIZE: 22" x 34"

GENERAL NOTES

1. RESIDENTIAL FIRE SPRINKLERS ARE REQUIRED IN ALL UNITS.
2. AN EXISTING 10" DI WATER MAIN IS LOCATED IN SE EVERETT STREET (SR500). WATER TO THE DEVELOPMENT WILL BE SUPPLIED BY CONNECTION TO THIS MAIN, DESIGNED AT THE TIME OF FINAL ENGINEERING.
3. THERE IS AN EXISTING WATER EASEMENT BISECTING THE PROJECT BOUNDARY. ABANDONMENT OF THE EXISTING WATER LINE WILL BE COORDINATED WITH THE CITY OF CAMAS STAFF DURING FINAL ENGINEERING.
4. IN ADDITION TO THE EXISTING FIRE HYDRANTS LOCATED AT SE EVERETT STREET (SR500) AND SE 8TH STREET AND SOUTH OF SITE ON NE EVERETT DRIVE AT GARFIELD, PROPOSED FIRE HYDRANT LOCATIONS WILL BE LOCATED PER CDSM AND FMO THROUGH THE PROPOSED DEVELOPMENT.
5. IRRIGATION METERS WILL BE OWNED BY HOA AND/OR MULTI-FAMILY AND MIX COMMERCIAL.
6. LOTS 172, 173, AND 178-206 WILL HAVE A GRINDER PUMP ON THE LOT TO CONNECT TO A FORCE MAIN IN THE STREET FOR SANITARY SEWER SERVICE.
7. PROJECT SITE TO BE SERVED BY A SANITARY SEWER PUMP STATION THAT WILL BE CONSTRUCTED WITH THE FIRST PHASE OF THE PROJECT. SEE SHEETS P9.4 AND P9.5 FOR PUMP STATION SITE PLAN AND PUMP STATION BASIN PLAN. CONSTRUCTION OF THE SANITARY SEWER PUMP WILL EXTEND A SANITARY FORCE MAIN INTO SE EVERETT STREET AND CONNECT TO AN EXISTING FORCE MAIN SOUTH APPROXIMATELY 720'.
8. SEE SHEETS P10.0 – P10.3 FOR STORMWATER DESIGN.
9. VERIFICATION OF WATER PRESSURE AND AVAILABILITY TO BE COORDINATED WITH THE STAFF.

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CAMAS WOODS, LLC
CAMAS, WASHINGTON

PRELIMINARY NOT FOR CONSTRUCTION

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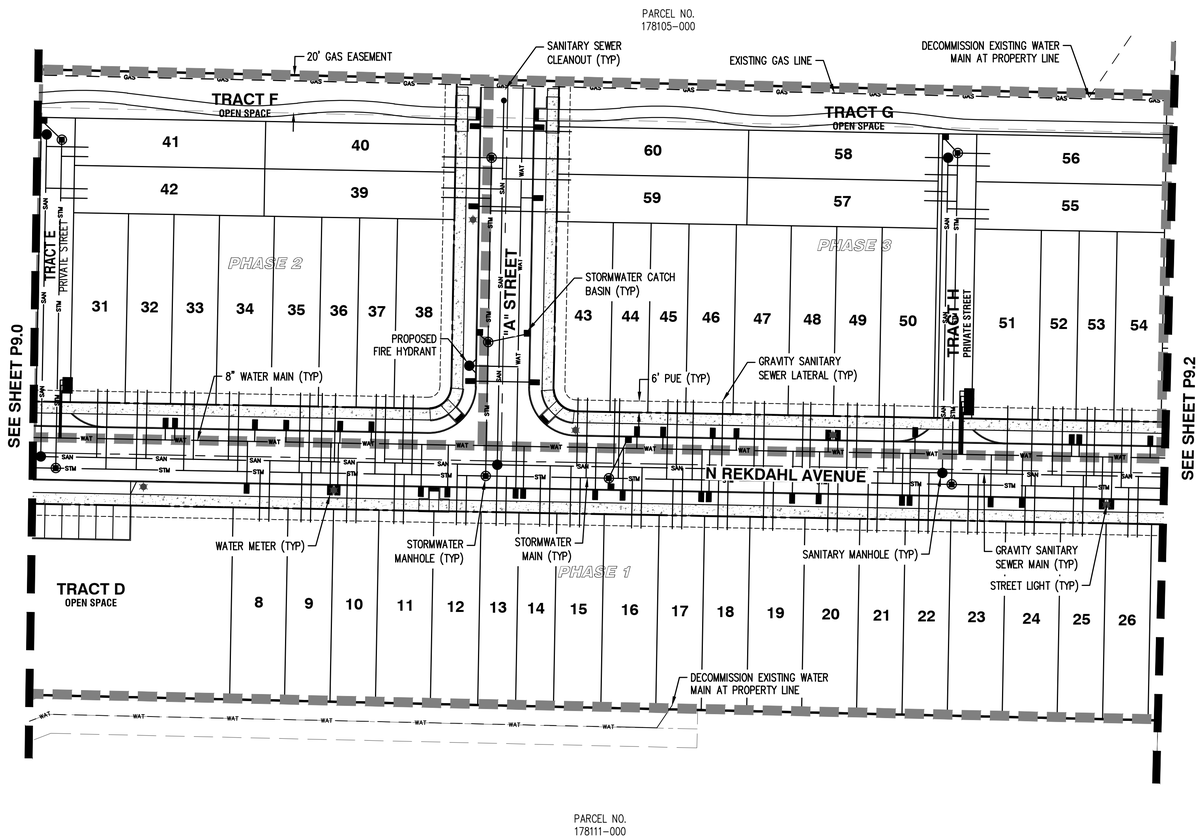
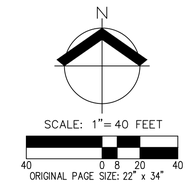
P9.0

AKS DRAWING FILE: 8397 P9 UTILITY.DWG | LAYOUT: P9.0





GENERAL NOTES

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3. THERE IS AN EXISTING WATER EASEMENT BISECTING THE PROJECT BOUNDARY. ABANDONMENT OF THE EXISTING WATER LINE WILL BE COORDINATED WITH THE CITY OF CAMAS STAFF DURING FINAL ENGINEERING.
4. IN ADDITION TO THE EXISTING FIRE HYDRANTS LOCATED AT SE EVERETT STREET (SR500) AND SE 8TH STREET AND SOUTH OF SITE ON NE EVERETT DRIVE AT GARFIELD, PROPOSED FIRE HYDRANT LOCATIONS WILL BE LOCATED PER CDSM AND FMO THROUGH THE PROPOSED DEVELOPMENT.
5. IRRIGATION METERS WILL BE OWNED BY HOA AND/OR MULTI-FAMILY AND MIX COMMERCIAL.
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8. SEE SHEETS P10.0 – P10.3 FOR STORMWATER DESIGN.
9. VERIFICATION OF WATER PRESSURE AND AVAILABILITY TO BE COORDINATED WITH THE STAFF.

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CAMAS WOODS, LLC
CAMAS, WASHINGTON

JOB NUMBER:	8397
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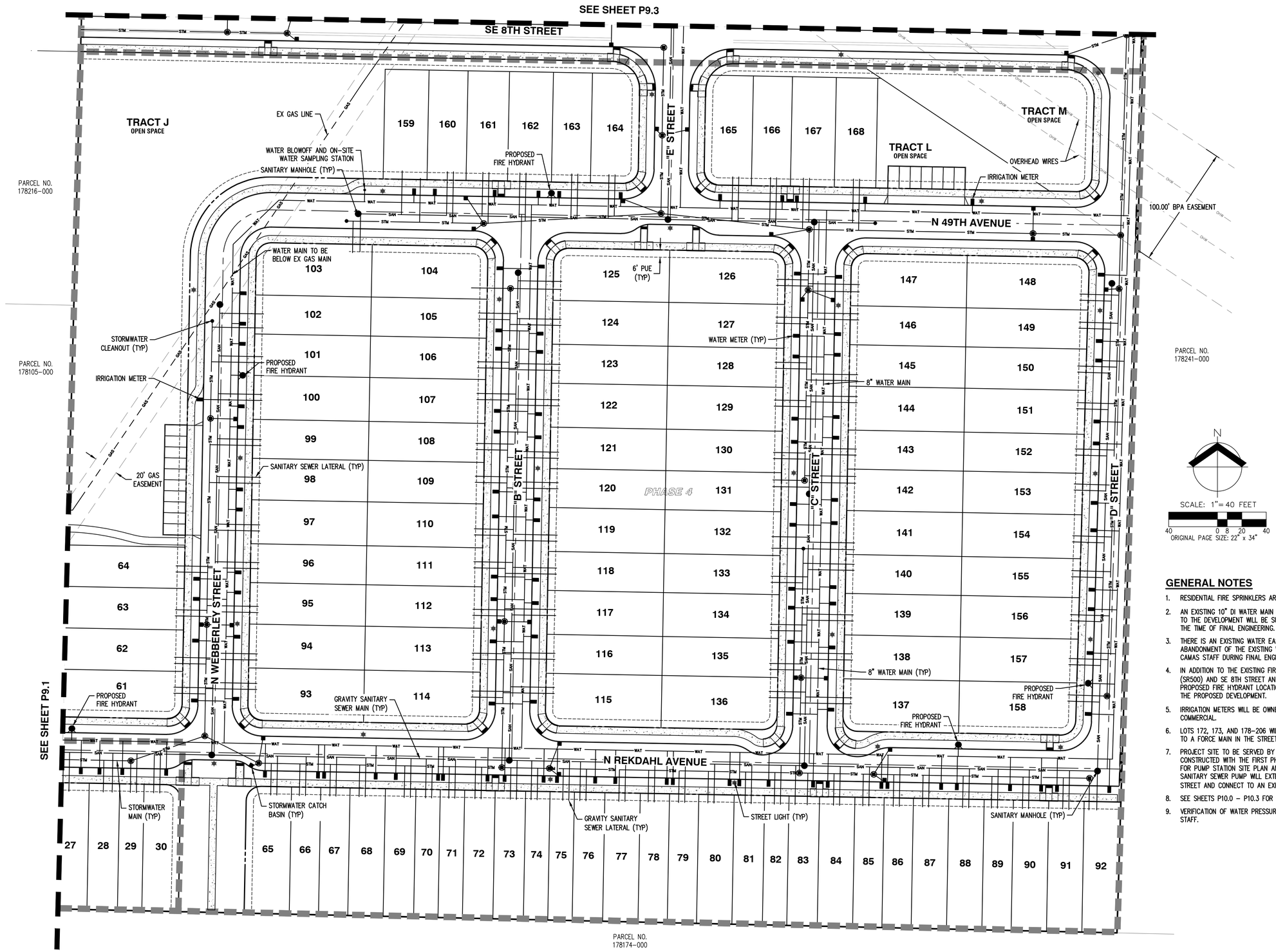
DRAWN BY:	TWW
CHECKED BY:	BDH

P9.1

AKS DRAWING FILE: 8397 P9 UTILITY.DWG | LAYOUT: P9.1



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P9.2

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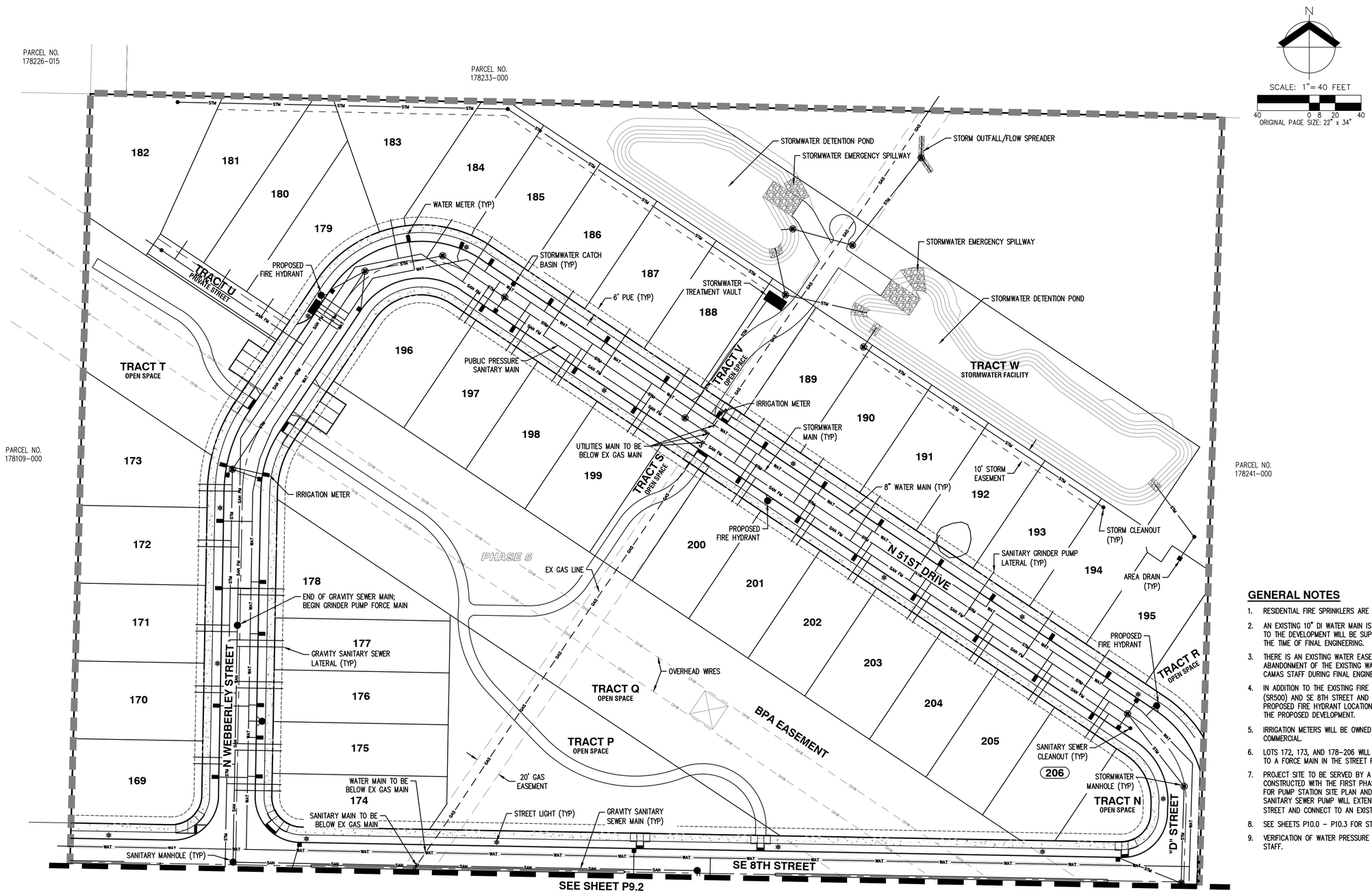

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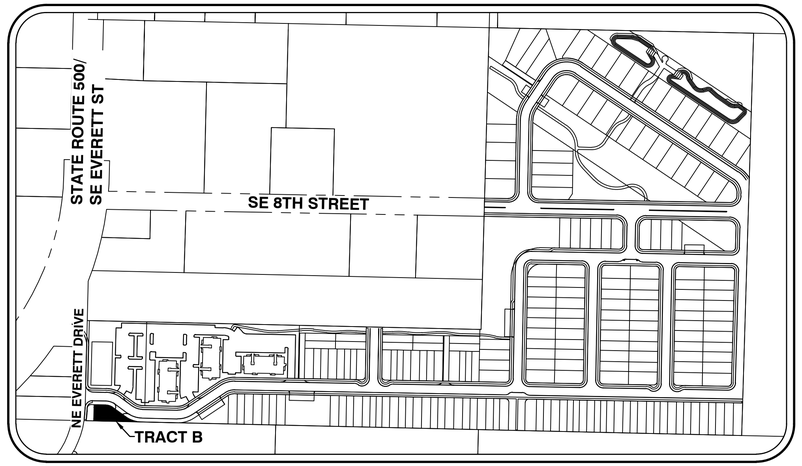
P9.3

AKS DRAWING FILE: 8397 P9 UTILITY.DWG | LAYOUT: P9.3



KEY MAP

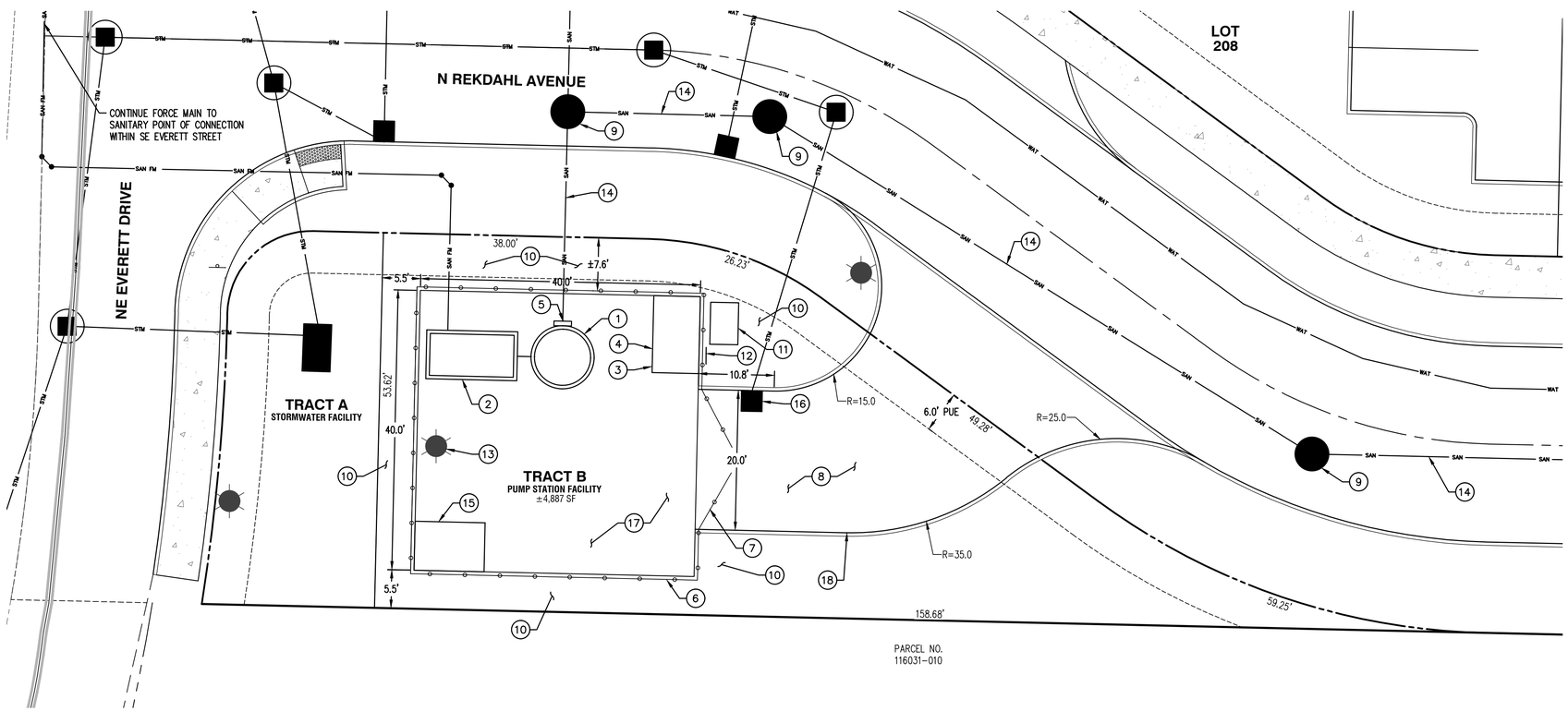
N.T.S.

N

SCALE: 1"=10 FEET

10 0 2 5 10

ORIGINAL PAGE SIZE: 22" x 34"



GENERAL NOTES

1. TRACT B TO BE A SANITARY SEWER PUMP STATION THAT WILL BE OWNED AND MAINTAINED BY THE CITY OF CAMAS.
2. PROPOSED SANITARY SEWER PUMP STATION FACILITY TO SERVE THE REGIONAL BASIN ALONG WITH THE CAMAS WOODS DEVELOPMENT.
3. PROPOSED AREA OF TRACT B IS 4,887 SF.
4. FACILITY TO HAVE A EMERGENCY BACKUP DIESEL GENERATOR WITH 150 GAL FUEL TANK.
5. FACILITY TO HAVE PUMP STATION CONTROL SYSTEM ENCLOSURE STRUCTURE.
6. FACILITY TO BE FENCE WITH 6' TALL CHAIN LINK FENCE AND 20' WIDE SWING GATE.
7. FACILITY TO BE SCREENED WITH LANDSCAPE PLANTING MATERIAL PER CITY OF CAMAS STANDARDS.
8. NO PARKING REQUIRED. TEMPORARY MAINTENANCE PERSONNEL TO ENTER SITE PERIODICALLY.
9. NO TRASH OR RECYCLING FACILITIES ARE PROPOSED.

KEYED NOTES (#)

1. CONCRETE WET WELL.
2. CONCRETE VALVE VAULT TO HOUSE PUMP STATION VALVES AND PIPING.
3. FOUNDATION FOR PUMP STATION KIOSK.
4. PUMP STATION CONTROL PANEL ENCLOSURE TO HOUSE ELECTRICAL SYSTEM CONTROL PANELS.
5. PUMP DISCONNECT PANEL.
6. 6' TALL BLACK VINYL COATED CHAIN LINK FENCE.
7. 20' WIDE DOUBLE SWING, CHAIN LINK GATE.
8. 20' WIDE PAVED ACCESS DRIVEWAY.
9. 48" DIAMETER CONCRETE SANITARY SEWER MANHOLE.
10. LANDSCAPE BUFFER AROUND FACILITY PER LANDSCAPE PLANS.
11. POWER TRANSFORMER LOCATION.
12. CITY OF CAMAS PUMP STATION SIGN ON FENCE.
13. AREA LIGHT.
14. GRAVITY SANITARY SEWER PIPE.
15. EMERGENCY BACKUP DIESEL POWERED GENERATOR.
16. STORMWATER TREATMENT CATCH BASIN FOR PUMP STATION RUNOFF COLLECTION.
17. PAVED CONCRETE INSIDE FACILITY.
18. CONCRETE CURB.

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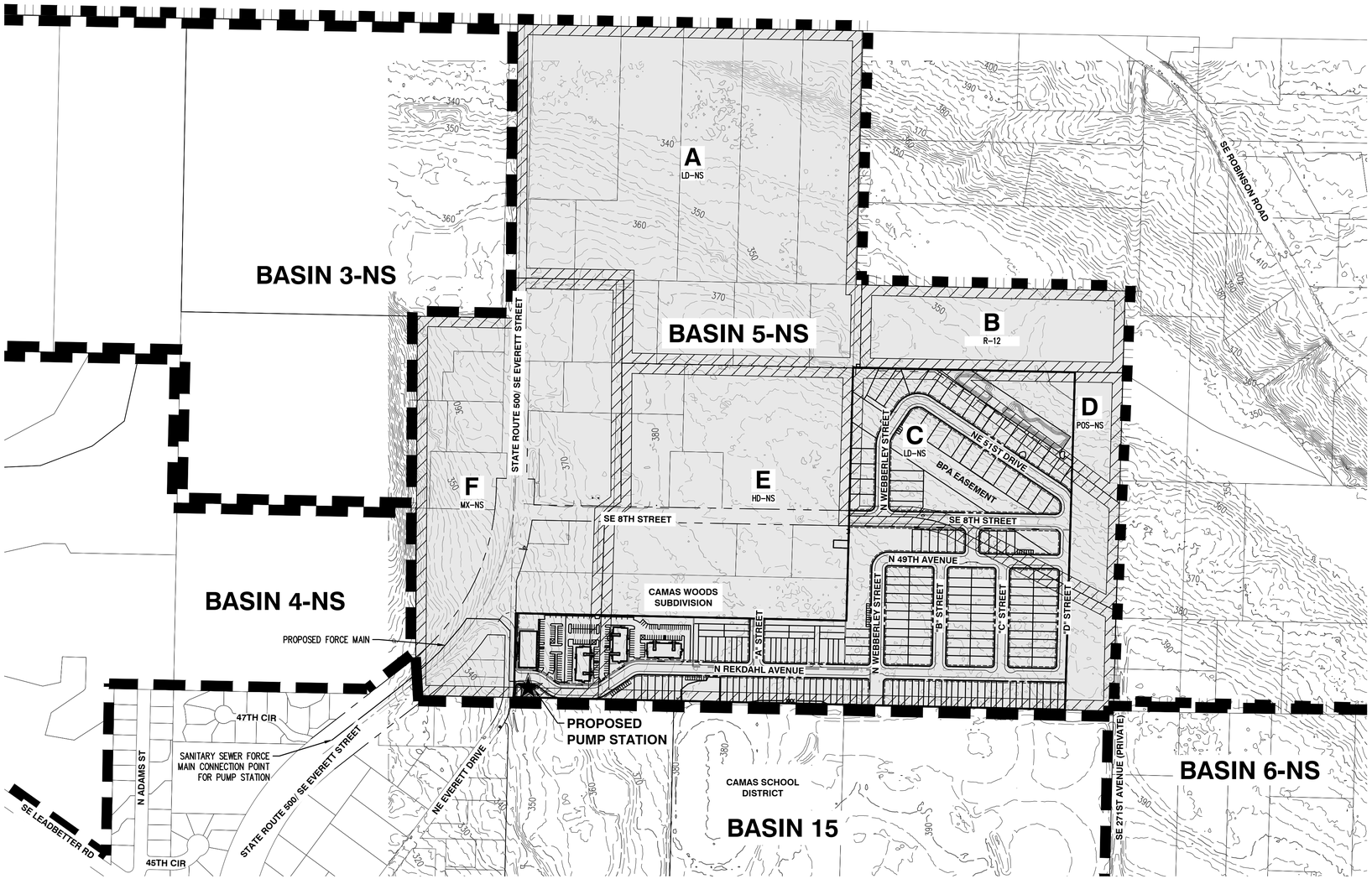
PRELIMINARY PUMP STATION SITE PLAN
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

PRELIMINARY NOT FOR CONSTRUCTION

JOB NUMBER:	8397
DATE:	
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P9.4

AKS DRAWING FILE: 8397 P9 PUMP STATION SITE.DWG | LAYOUT: P9.4



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SCALE: 1"= 250 FEET

250 0 50 125 250

ORIGINAL PAGE SIZE: 22" x 34"

GENERAL NOTES

1. BASIN MAP FOR THE CAMAS WOODS SEWAGE PUMP STATION. PUMP STATION TO BE OWNED, OPERATED, AND MAINTAINED BY THE CITY OF CAMAS.
2. PUMP STATION TO BE CONSTRUCTED WITH PHASE 1 OF THE CAMAS WOODS DEVELOPMENT.
3. CONTOURS ARE BASED ON CLARK COUNTY GIS DATA. CONTOUR INTERVAL IS 2 FEET.
4. VERTICAL DATUM: ELEVATIONS ARE NGVD 29(47).

TABLE 1 - FUTURE SERVICE AREA BY LAND USE ZONE

ZONING TAG	PARCEL AREA (AC)	*ADJUSTED PARCEL AREA FOR ERU CALCULATION (AC)	CAMAS WOODS SUBDIVISION CONTRIBUTION TO ZONING AREAS (AC)	CAMAS WOODS SUBDIVISION CONTRIBUTION TO ZONING AREAS (%)	**ZONE
A	37.9	26.5	0.0	0.0%	LD-NS
B	7.7	5.4	0.0	0.0%	R-12
C	12.9	9.0	11.0	85.3%	LD-NS
D	4.3	3.0	2.3	53.5%	POS-NS
E	43.7	30.6	22.5	51.50%	HD-NS
F	27.8	19.5	2.5	9.0%	MX-NS
TOTAL	134.30	94	38.3	28.5%	–

*ADJUSTED PARCEL AREAS: ADJUSTED AREAS REFLECT A 30% REDUCTION FOR FUTURE RIGHT-OF-WAY, STORMWATER FACILITIES, ETC.

**(LD-NS) = NORTH SHORE LOWER DENSITY RESIDENTIAL, (HD-NS) = NORTH SHORE HIGHER DENSITY RESIDENTIAL, (MX-NS) = NORTH SHORE MIXED USE

**(R-12) = RESIDENTIAL-12

LEGEND

A	ZONE IDENTIFIER
	ZONE BOUNDARY
	BASIN BOUNDARY
★	PROPOSED PUMP STATION
	URBAN GROWTH BOUNDARY
	EXISTING GROUND CONTOUR (2 FT)
350	EXISTING GROUND CONTOUR (10 FT)

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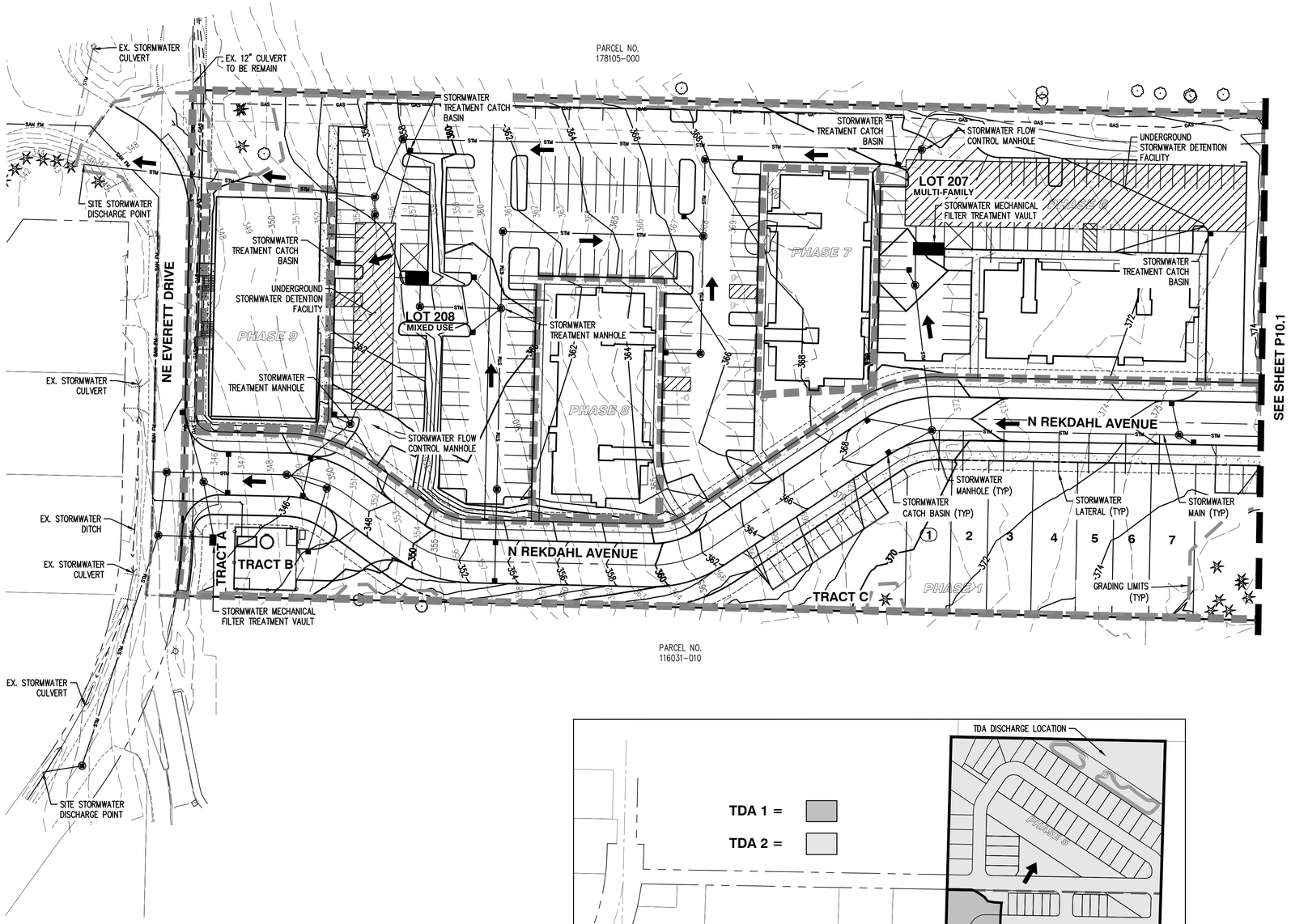
PRELIMINARY BASIN 5-NS SEWAGE BASIN MAP
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

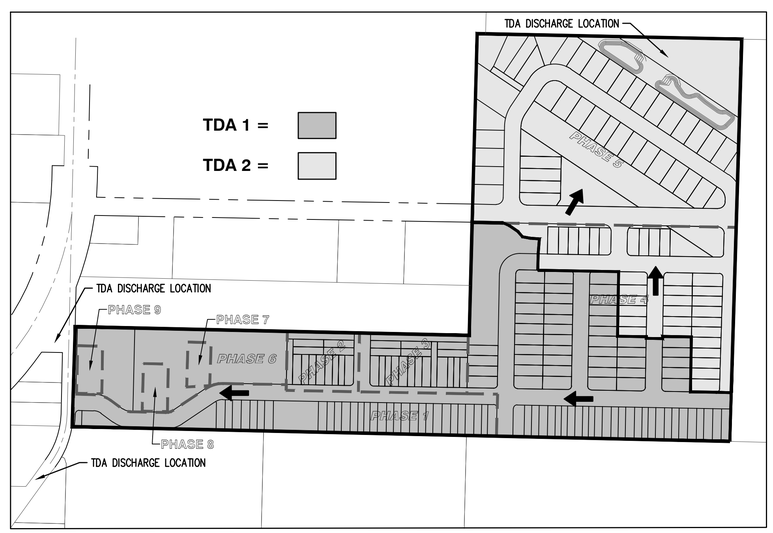
BRUCE D. HANSON
STATE OF WASHINGTON
PRELIMINARY
NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER

JOB NUMBER:	8397
DATE:	11/1/2024
DESIGNED BY:	CJS
DRAWN BY:	TWW
CHECKED BY:	BDH

P9.5

AKS DRAWING FILE: 8397 SEWER BASIN MAP.DWG | LAYOUT: P9.5





TDA VICINITY MAP

N.T.S.

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DRAINAGE FLOW DIRECTION	
GRADING LIMITS	
STORM FACILITY ACCESS	

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PRELIMINARY STORMWATER PLAN
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

PRELIMINARY NOT FOR CONSTRUCTION

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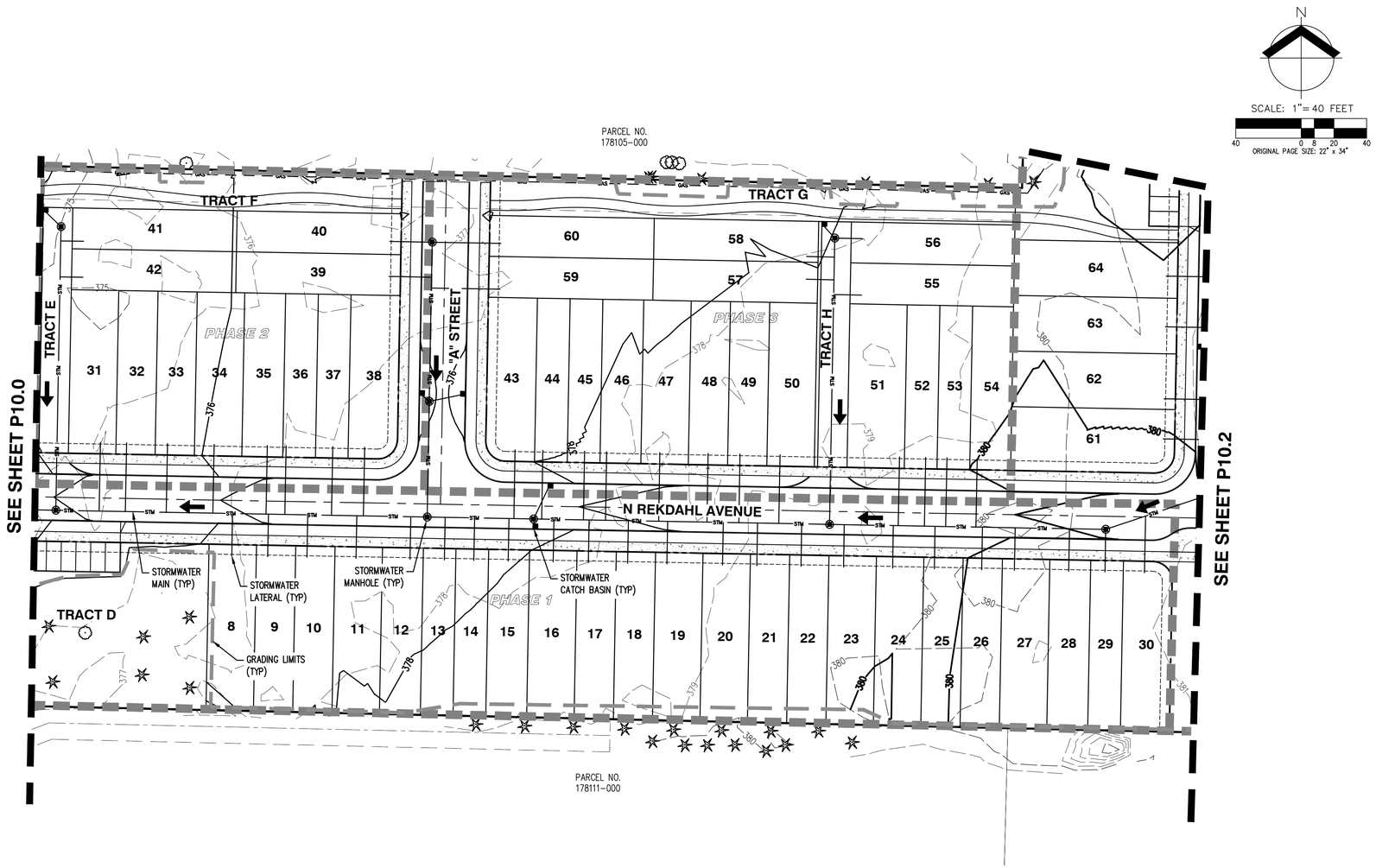

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PRELIMINARY STORMWATER PLAN
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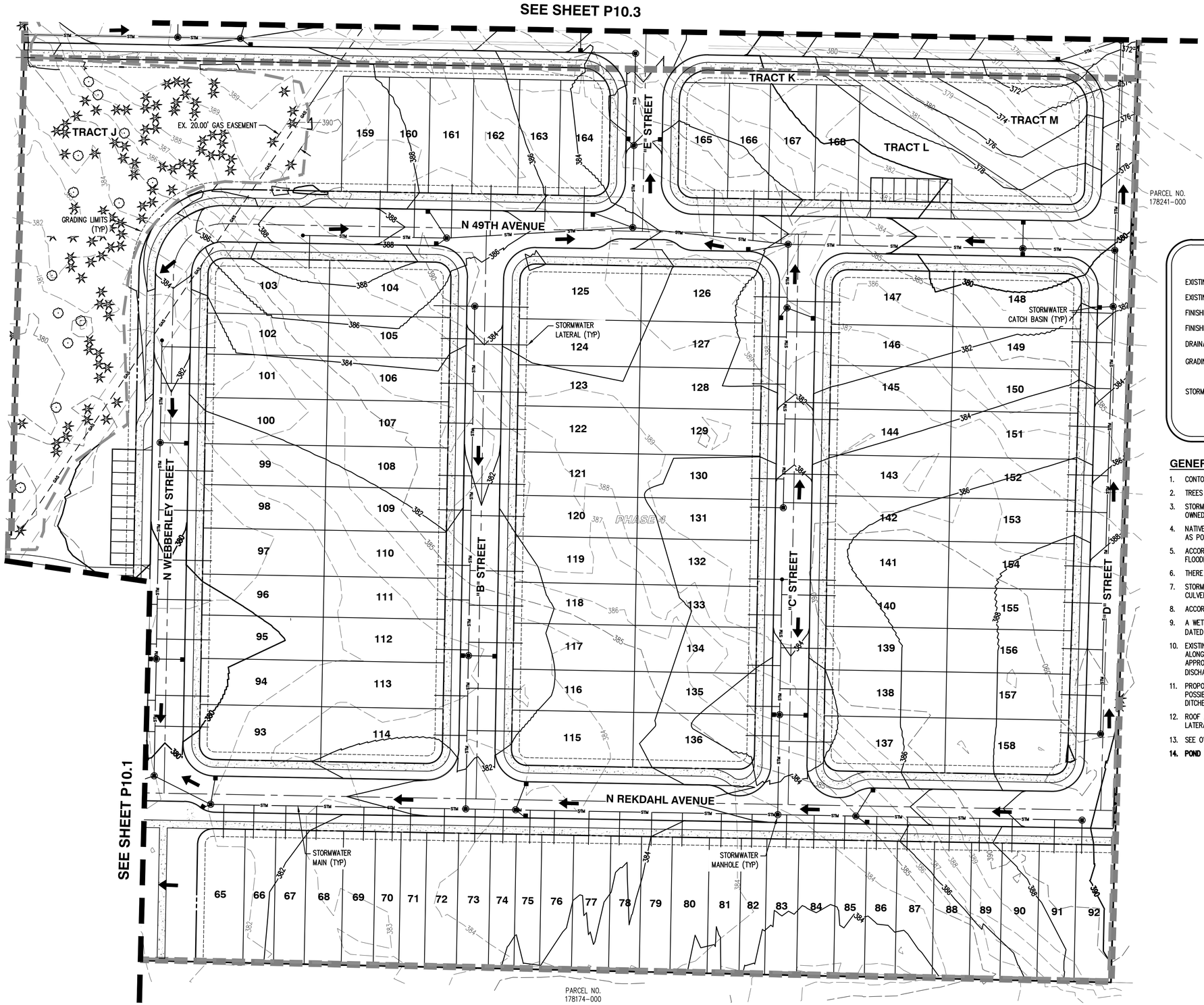

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CAMAS, WASHINGTON

JOB NUMBER:	8397
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DRAWN BY:	TWW
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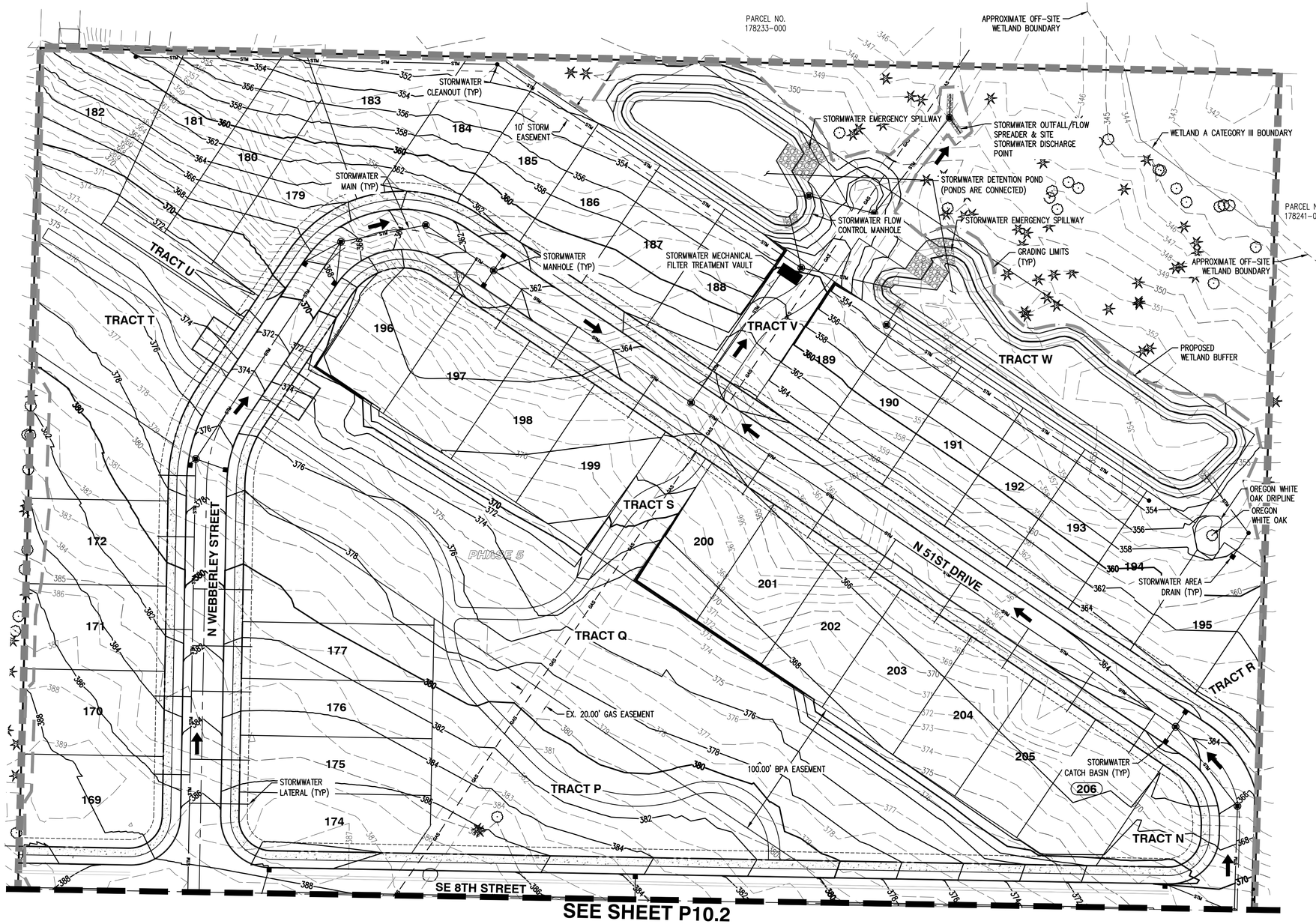

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PRELIMINARY STORMWATER PLAN
CAMAS WOODS SUBDIVISION
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PRELIMINARY NOT FOR CONSTRUCTION

JOB NUMBER:	8397
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P10.3

PRELIMINARY PLANT SCHEDULE - STREET TREES

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE/CONTAINER	SPACING
STREET TREES					
	64	ACER RUBRUM 'ARMSTRONG'	ARMSTRONG RED MAPLE	2" CAL MIN./B&B	AS SHOWN
	20	CARPINUS BETULUS	EUROPEAN HORNBEAM	2" CAL MIN./B&B	AS SHOWN
	44	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LINDEN	2" CAL MIN./B&B	AS SHOWN
	16	TILIA TOMENTOSA 'STERLING'	STERLING SILVER LINDEN	2" CAL MIN./B&B	AS SHOWN
	62	ZELKOVA SERRATA 'VILLAGE GREEN'	VILLAGE GREEN ZELKOVA	2" CAL MIN./B&B	AS SHOWN
	206 TOTAL TREES				

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE/CONTAINER	SPACING
SHRUBS					
	67	MAHONIA AQUIFOLIUM	OREGON GRAPE	3 GAL. CONT.	48" o.c.
	48	PRUNUS LAUROCERASUS 'OTTO LUYKEN'	OTTO LUYKEN LAUREL	3 GAL. CONT.	60" o.c.
	24	VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	3 GAL. CONT.	60" o.c.

GROUND COVERS

23,990 SF± STORMWATER FACILITY TO BE PLANTED PER CITY OF CAMAS STANDARDS

14,079 SF± EROSION CONTROL SEED MIX: NATIVE E/C MIX – SUNMARK SEEDS (OR APPROVED EQUAL): MEADOW BARLEY (HORDEUM BRACHYANTHERUM) 40%; CALIFORNIA BROME (BROMUS CARINATUS) 35%; NATIVE RED FESCUE (FESTUCA RUBRA RUBRA) 20%; TUFTED HAIRGRASS (DESCHAMPSIA CESPITOSA) 3%; SPIKE BENTGRASS (AGROSTIS EXERATA) 2%.
APPLY AT A RATE OF 1 LB. PER 1,000 SF OR AS RECOMMENDED BY SUPPLIER.

83,313 SF± LAWN: NORTHWEST SUPREME LAWN SEED MIX – SUNMARK SEEDS (OR APPROVED EQUAL) DASHER 3 PERENNIAL RYEGRASS (LOLIUM PERENNE VAR. DASHER 3) 35%; CUTTER II PERENNIAL RYEGRASS (LOLIUM PERENNE VAR. CUTTER II) 35%; GARNET CREEPING RED FESCUE (FESTUCA RUBRA VAR. GARNET) 15%; WINDWARD CHEWINGS FESCUE (FESTUCA RUBRA SPP FALLAX VAR. WINDWARD) 15%
APPLY AT A RATE OF 8 LBS. PER 1,000 SF OR AS RECOMMENDED BY SUPPLIER.

56,407 SF± ECO-TURF SEED MIX WITH MICOCLOVER – PROTIME LAWN SEED (PT 769 R&R) SHEEP FESCUE (FESTUCA OVINA), PERENNIAL RYEGRASS (LOLIUM PERENNE), HARD FESCUE (FESTUCA TRACHYPHYLLA), MIRCOCLVOER (TRIFOLIUM REPENS VAR PIPOLINA SSP MICROCLOVER)
APPLY AT A RATE OF 7 LBS. PER 1,000 SF OR 300 LBS. PER ACRE AS RECOMMENDED BY SUPPLIER.

PRELIMINARY LANDSCAPE NOTES

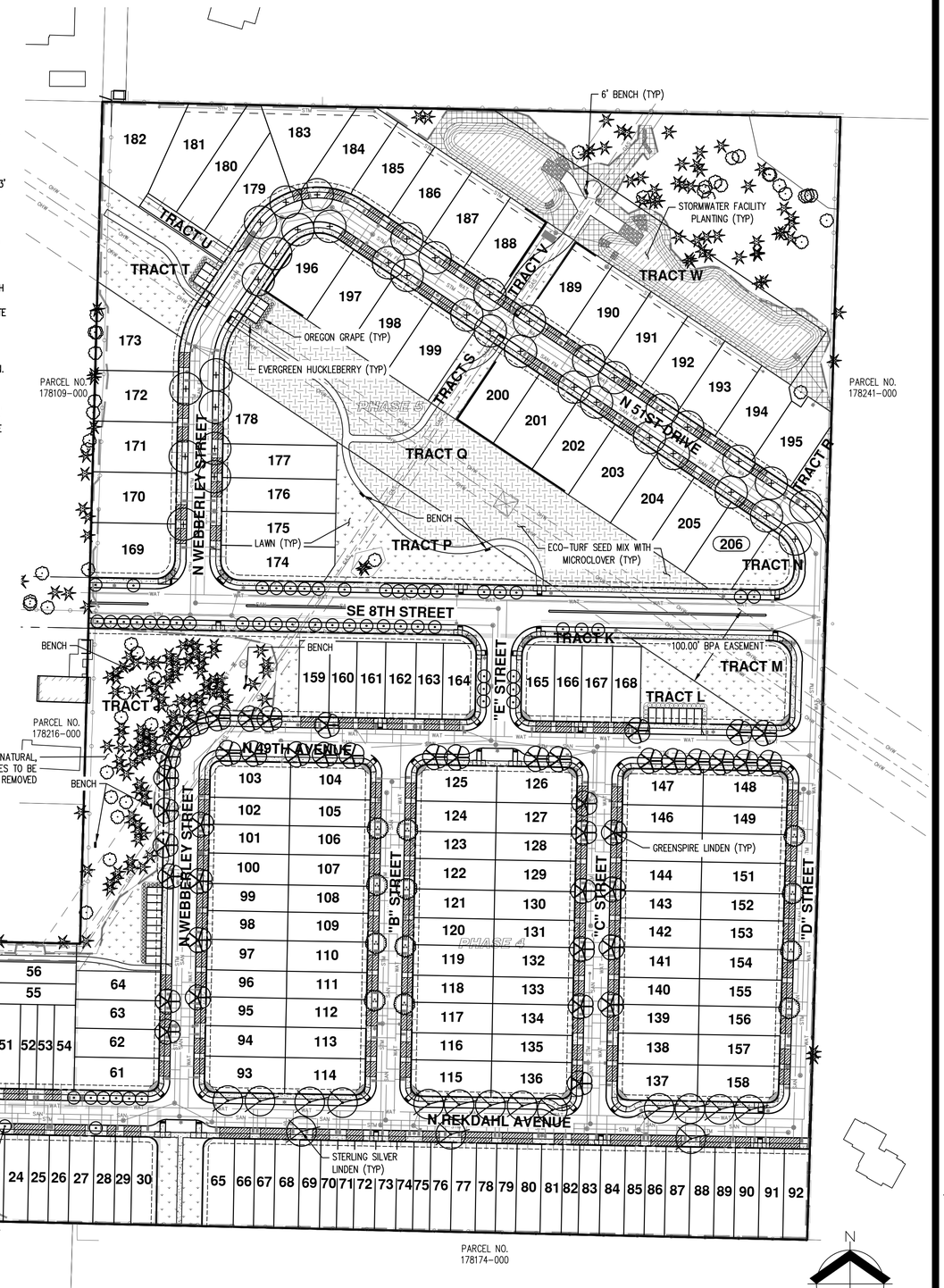
1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING PLANT AND MATERIAL QUANTITIES. IF DISCREPANCIES OCCUR, DESIGN INTENT PREVAILS OVER QUANTITIES LISTED.
2. ALL PLANTS AND PLANTINGS SHALL CONFORM TO CITY OF CAMAS DESIGN STANDARDS AND TO AMERICAN STANDARDS FOR NURSERY STOCK ANSI Z60.1. PLANT IN ACCORDANCE WITH BEST PRACTICE INDUSTRY STANDARDS SUCH AS THOSE ADOPTED BY THE WESTERN WASHINGTON ASSOCIATION OF LANDSCAPE PROFESSIONALS (WALP).
3. REVISIONS OR SUBSTITUTIONS TO PLANTING, INCLUDING CHANGES AND LOCATION, QUANTITIES, SPECIES, SIZES, SPACING, ETC. DUE TO UNFORESEEN SITE CONDITIONS, PLANT AVAILABILITY, ETC. MAY BE MADE WITH APPROVAL WHERE ALLOWED BY THE CITY OF CAMAS DESIGN STANDARDS PRIOR TO FINAL INSTALLATION.
4. CENTER TREES IN LANDSCAPE STRIP WHERE POSSIBLE UNLESS OTHERWISE SHOWN. KEEP THE TRUNKS 3' O.C. MINIMUM FROM CURBS, SIDEWALKS, AND OTHER PAVING. KEEP SHRUBS AND GROUNDCOVER A MINIMUM OF 24" O.C. FROM PAVING AND 3' O.C. FROM TREES. ADJUST PLANTINGS AS NECESSARY ON-SITE TO AVOID CONFLICTS WITH UTILITIES, HYDRANTS, LIGHT POLES, METERS, ETC.
5. HATCHED AREAS ARE MEANT TO CONVEY GENERAL PLANT LOCATION. PLANT COVERAGE, SPACING, AND LAYOUT SHALL BE CONSISTENT WITH THE SPACING LISTED IN THE PLANT SCHEDULE FOR FULL COVERAGE.
6. MULCH: APPLY 3" DEEP WELL-AGED MEDIUM GRIND OR SHREDDED DARK HEMLOCK OR FIR BARK MULCH UNDER AND AROUND ALL PLANTINGS (EXCLUDING STORMWATER FACILITIES). AVOID COVERING FOLIAGE OR ROOT CROWN OF PLANTS WITH BARK MULCH. PLANTS SHALL BE SET TO A DEPTH TO ACCOMMODATE MULCH APPLICATION.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING STREET TREES AND GROUNDCOVER ALONG THE FRONTAGE OF OPEN SPACE TRACTS AND SIDE LOTS. HOME OWNERS SHALL BE RESPONSIBLE FOR INSTALLING STREET TREES AND GROUNDCOVER ALONG LOT FRONTAGE AT TIME OF HOME CONSTRUCTION.
8. SOIL PREPARATION: GROWING MEDIUM IN ALL NEW PLANTING BEDS SHALL BE A MINIMUM OF 12" DEEP (6" OVER LAWN AREAS) OVER NON-COMPACTED, FREE-DRAINING SUBSOIL. EXISTING, NON-COMPACTED, NATIVE SOIL MAY COUNT TOWARDS THIS REQUIREMENT. REUSE SURFACE SOIL STOCKPILED ON THE SITE AND/OR IMPORT NEW TOPSOIL TO MAKE UP REQUIRED AMOUNTS FOR INSTALLATION. TOPSOIL SHALL BE FREE OF ROOTS, PLANTS, SOD, STONES (3/4" OR LARGER), CLAY LUMPS, DEBRIS, ALKALI SALTS, AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH. SOIL PLACEMENT AND PLANTING SHALL OCCUR IN CONDITIONS THAT DO NOT RESULT IN OVER-COMPACTION OR EROSION, SATURATED SOIL OR OTHER CONDITIONS SUCH AS FREEZING OR ABOVE AVERAGE TEMPERATURES, RAINY CONDITIONS, ETC. SOIL SHALL BE IN FRIABLE (WORKABLE) CONDITION WHEN PLACED. FINISH GRADE OF NEW PLANTING AREAS SHALL SEAMLESSLY MEET FINISH GRADE SET IN GRADING PLANS.
9. ALL PLANTING AREAS SHALL BE AUTOMATICALLY IRRIGATED. LANDSCAPE CONTRACTOR TO 'DESIGN-BUILD' IRRIGATION SYSTEM AND SUBMIT PLANS TO CITY OF CAMAS AND THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO BEGINNING INSTALLATION. REFER TO CAMAS DESIGN STANDARDS MANUAL FOR IRRIGATION DETAILS.
10. ALL STREET TREE LOCATIONS ARE SUBJECT TO CHANGE DUE TO DRIVEWAY, UTILITIES, STREET LIGHTS, FIRE HYDRANTS, CATCH BASIN, ETC.
11. BENCH LOCATIONS SHOWN ARE CONCEPTUAL. FINAL LOCATIONS TO BE DETERMINED WITH FINAL LANDSCAPE PLAN.

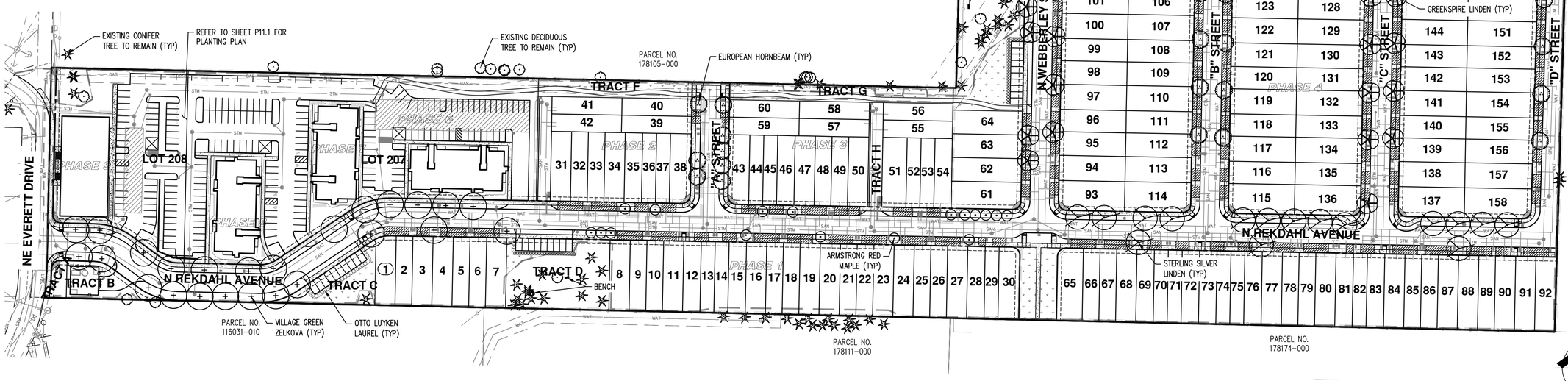
TREE PLAN

GROSS SITE AREA:	1,584,277 SF (36.37 AC)
*NET SITE AREA:	1,315,051 SF (30.35 AC)
TOTAL TREE UNITS REQUIRED (30.35 AC X 30):	910.5
EXISTING TREES RETAINED/(TREE UNITS):	196/(707)
PROPOSED SITE TREES/(TREE UNITS):	259
TOTAL TREE UNITS: (RETAINED AND PROPOSED)	966

* NET AREA EXCLUDES OPEN SPACE AND CRITICAL AREA

STREET TREES REQUIRED:	206
STREET TREES PROPOSED:	206





SCALE: 1"=80 FEET

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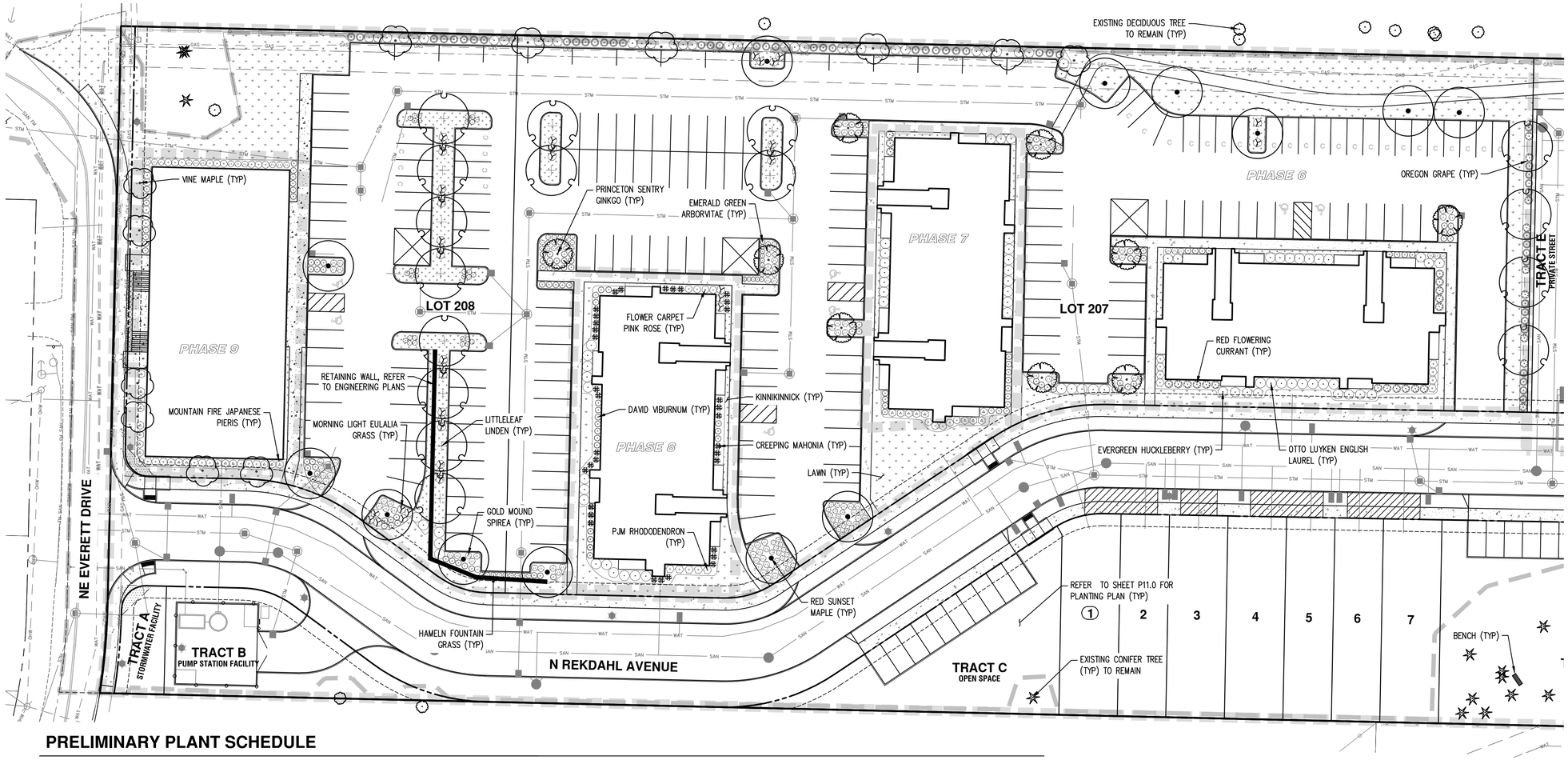
PRELIMINARY STREET TREE PLANTING PLAN
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

STATE OF WASHINGTON
TIMOTHY E. BOSTON
LICENSED LANDSCAPE ARCHITECT
EXP. 12/21/2026
PRELIMINARY NOT FOR CONSTRUCTION

JOB NUMBER:	8397
DATE:	11/14/2024
DESIGNED BY:	CLM
DRAWN BY:	CLM
CHECKED BY:	TEB

P11.0

AKS DRAWING FILE: 8397 P11 LANDSCAPE.DWG | LAYOUT: P11.0



PRELIMINARY PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE/CONTAINER	SPACING
TREES					
	12	ACER CIRCINATUM	VINE MAPLE	6' HT. MIN. B&B	AS SHOWN
	13	ACER RUBRUM 'FRANKSRED'	RED SUNSET MAPLE	2" CAL MIN./B&B	AS SHOWN
	9	GINKGO BILOBA 'PRINCETON SENTRY'	PRINCETON SENTRY GINKGO	2" CAL MIN./B&B	AS SHOWN
	16	TILIA CORDATA	LITTLELEAF LINDEN	2" CAL MIN./B&B	AS SHOWN
	53	TOTAL TREES			

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE/CONTAINER	SPACING
SHRUBS					
	50	MAHONIA AQUIFOLIUM	OREGON GRAPE	3 GAL. CONT.	48" o.c.
	37	MAHONIA REPENS	CREEPING MAHONIA	1 GAL. CONT.	36" o.c.
	39	MISCANTHUS SINENSIS 'MORNING LIGHT'	MORNING LIGHT EULALIA GRASS	1 GAL CONT.	48" o.c.
	115	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	1 GAL CONT.	30" o.c.
	27	PIERIS JAPONICA 'MOUNTAIN FIRE'	MOUNTAIN FIRE JAPANESE PIERIS	3 GAL CONT.	48" o.c.
	54	PRUNUS LAUROCERASUS 'OTTO LUYKEN'	OTTO LUYKEN LAUREL	3 GAL CONT.	60" o.c.
	22	RHODODENDRON X 'P.J.M.'	PJM RHODODENDRON	3 GAL CONT.	48" o.c.
	29	RIBES SANGUINEUM	RED FLOWERING CURRANT	1 GAL. CONT.	48" o.c.
	24	ROSA X 'NOATRAUM'	FLOWER CARPET PINK ROSE	1 GAL. CONT.	42" o.c.
	106	SPIRAEA X BUMALDA 'GOLDMOUND'	GOLD MOUND SPIREA	2 GAL CONT.	36" o.c.
	13	THUJA OCCIDENTALIS 'SMARAGD'	EMERALD GREEN ARBORVITAE	5'-6' HT. CONT.	30" o.c.
	53	VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	3 GAL. CONT.	60" o.c.
	136	VIBURNUM DAVIDII	DAVID VIBURNUM	2 GAL CONT.	36" o.c.

GROUND COVERS					
	771	ARCTOSTAPHYLOS UVA-URSI	KINNIKINNICK	1 GAL. CONT.	30" o.c.
	17,953 SF±	LAWN: NORTHWEST SUPREME LAWN SEED MIX – SUNMARK SEEDS (OR APPROVED EQUAL) DASHER 3 PERENNIAL RYEGRASS (LOLIUM PERENNE VAR. DASHER 3) 35% CUTTIER II PERENNIAL RYEGRASS (LOLIUM PERENNE VAR. CUTTER II) 35% GARNET CREEPING RED FESCUE (FESTUCA RUBRA VAR. GARNET) 15% WINDWARD CHEWINGS FESCUE (FESTUCA RUBRA SPP FALLAX VAR. WINDWARD) 15% APPLY AT A RATE OF 8 LBS. PER 1,000 SF OR AS RECOMMENDED BY SUPPLIER			

GENERAL NOTE

REFER TO SHEET P11.0 FOR PRELIMINARY LANDSCAPE NOTES.

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CAMAS, WASHINGTON

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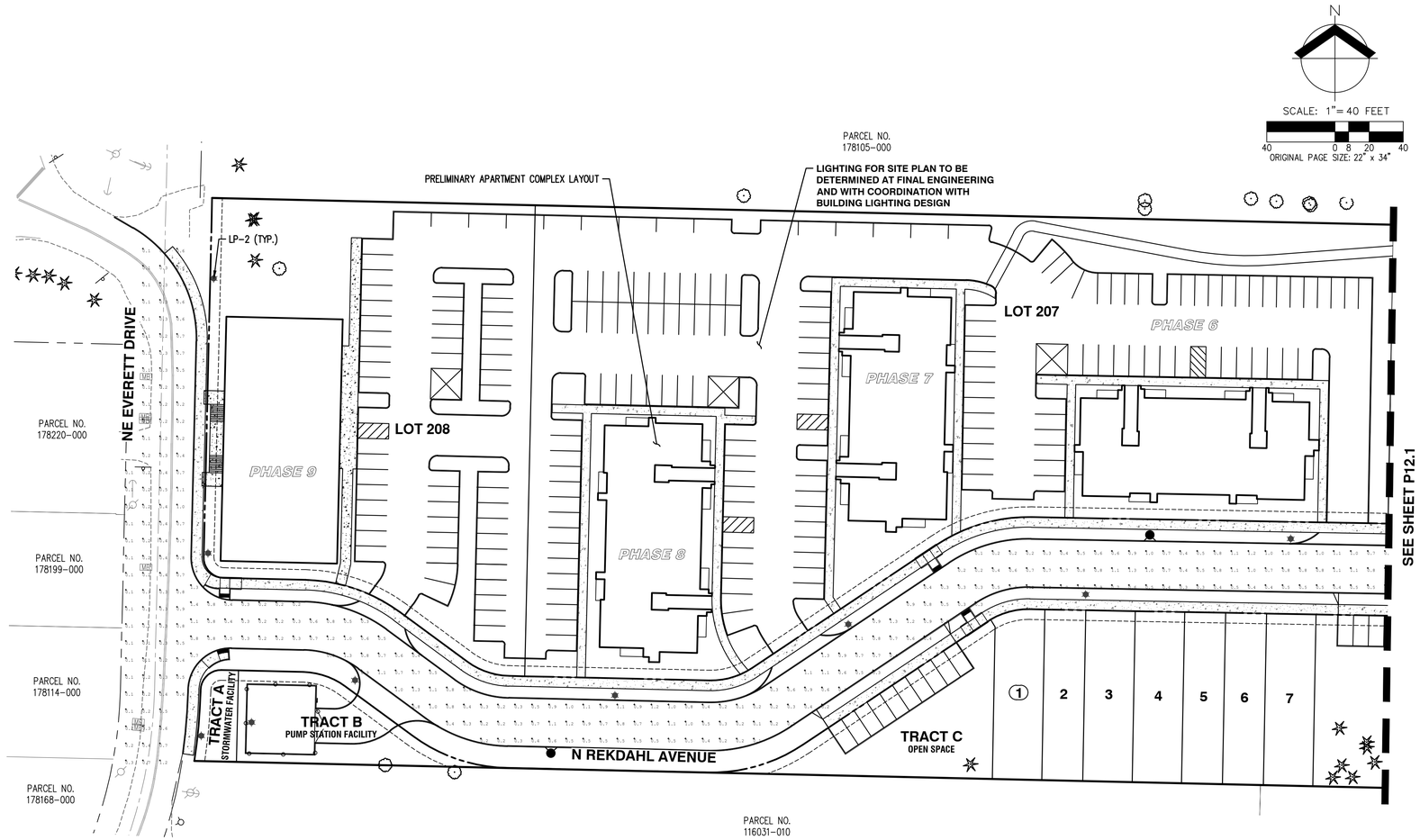

GENERAL NOTE:

1. LIGHTING ANALYSIS PERFORMED WITH AGI SOFTWARE.

ROADWAY LIGHT LEVEL SUMMARY – CITY OF CAMAS				
ROADWAY	UNITS	AVERAGE	MAX	MIN
N REKDAHL AVENUE	Fc	0.64	1.6	0.1
NE EVERETT DRIVE	Fc	0.33	1.2	0.1

LUMINAIRE SCHEDULE					
SYMBOL /LABEL	QUANTITY	STYLE	LUMINAIRE TYPE	POLE TYPE	HEIGHT
(LP-2)	48	PROPOSED	HOLOPHANE AWDE3-P20-30K-MVOLT-MS-AL3-BK-ST-TBK-AO-PR7-L1H-TB-NL1X1-UA-GVDHSS90	PLP DECORATIVE POLE SPECIFICATIONS PLP MODEL# DOM-DB-FL-14.5-BL-CI	14.5' HT.

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AKS DRAWING FILE: 8397 P12 LIGHT.DWG | LAYOUT: P12.0

PRELIMINARY PLANT SCHEDULE - STREET TREES

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE/CONTAINER	SPACING
STREET TREES					
	64	ACER RUBRUM 'ARMSTRONG'	ARMSTRONG RED MAPLE	2" CAL MIN./B&B	AS SHOWN
	20	CARPINUS BETULUS	EUROPEAN HORNBEAM	2" CAL MIN./B&B	AS SHOWN
	44	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LINDEN	2" CAL MIN./B&B	AS SHOWN
	16	TILIA TOMENTOSA 'STERLING'	STERLING SILVER LINDEN	2" CAL MIN./B&B	AS SHOWN
	62	ZELKOVA SERRATA 'VILLAGE GREEN'	VILLAGE GREEN ZELKOVA	2" CAL MIN./B&B	AS SHOWN
	206 TOTAL TREES				

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE/CONTAINER	SPACING
SHRUBS					
	67	MAHONIA AQUIFOLIUM	OREGON GRAPE	3 GAL. CONT.	48" o.c.
	48	PRUNUS LAUROCERASUS 'OTTO LUYKEN'	OTTO LUYKEN LAUREL	3 GAL. CONT.	60" o.c.
	24	VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	3 GAL. CONT.	60" o.c.

GROUND COVERS

23,990 SF± STORMWATER FACILITY TO BE PLANTED PER CITY OF CAMAS STANDARDS

14,079 SF± EROSION CONTROL SEED MIX: NATIVE E/C MIX – SUNMARK SEEDS (OR APPROVED EQUAL): MEADOW BARLEY (HORDEUM BRACHYANTHERUM) 40%; CALIFORNIA BROME (BROMUS CARINATUS) 35%; NATIVE RED FESCUE (FESTUCA RUBRA RUBRA) 20%; TUFTED HAIRGRASS (DESCHAMPSIA CESPITOSA) 3%; SPIKE BENTGRASS (AGROSTIS EXERATA) 2%.
APPLY AT A RATE OF 1 LB. PER 1,000 SF OR AS RECOMMENDED BY SUPPLIER.

83,313 SF± LAWN: NORTHWEST SUPREME LAWN SEED MIX – SUNMARK SEEDS (OR APPROVED EQUAL) DASHER 3 PERENNIAL RYEGRASS (LOLIUM PERENNE VAR. DASHER 3) 35%; CUTTER II PERENNIAL RYEGRASS (LOLIUM PERENNE VAR. CUTTER II) 35%; GARNET CREEPING RED FESCUE (FESTUCA RUBRA VAR. GARNET) 15%; WINDWARD CHEWINGS FESCUE (FESTUCA RUBRA SPP FALLAX VAR. WINDWARD) 15%
APPLY AT A RATE OF 8 LBS. PER 1,000 SF OR AS RECOMMENDED BY SUPPLIER.

56,407 SF± ECO-TURF SEED MIX WITH MICOCLOVER – PROTIME LAWN SEED (PT 769 R&R) SHEEP FESCUE (FESTUCA OVINA), PERENNIAL RYEGRASS (LOLIUM PERENNE), HARD FESCUE (FESTUCA TRACHYPHYLLA), MIRCOCLVOER (TRIFOLIUM REPENS VAR PIPOLINA SSP MICROCLOVER)
APPLY AT A RATE OF 7 LBS. PER 1,000 SF OR 300 LBS. PER ACRE AS RECOMMENDED BY SUPPLIER.

PRELIMINARY LANDSCAPE NOTES

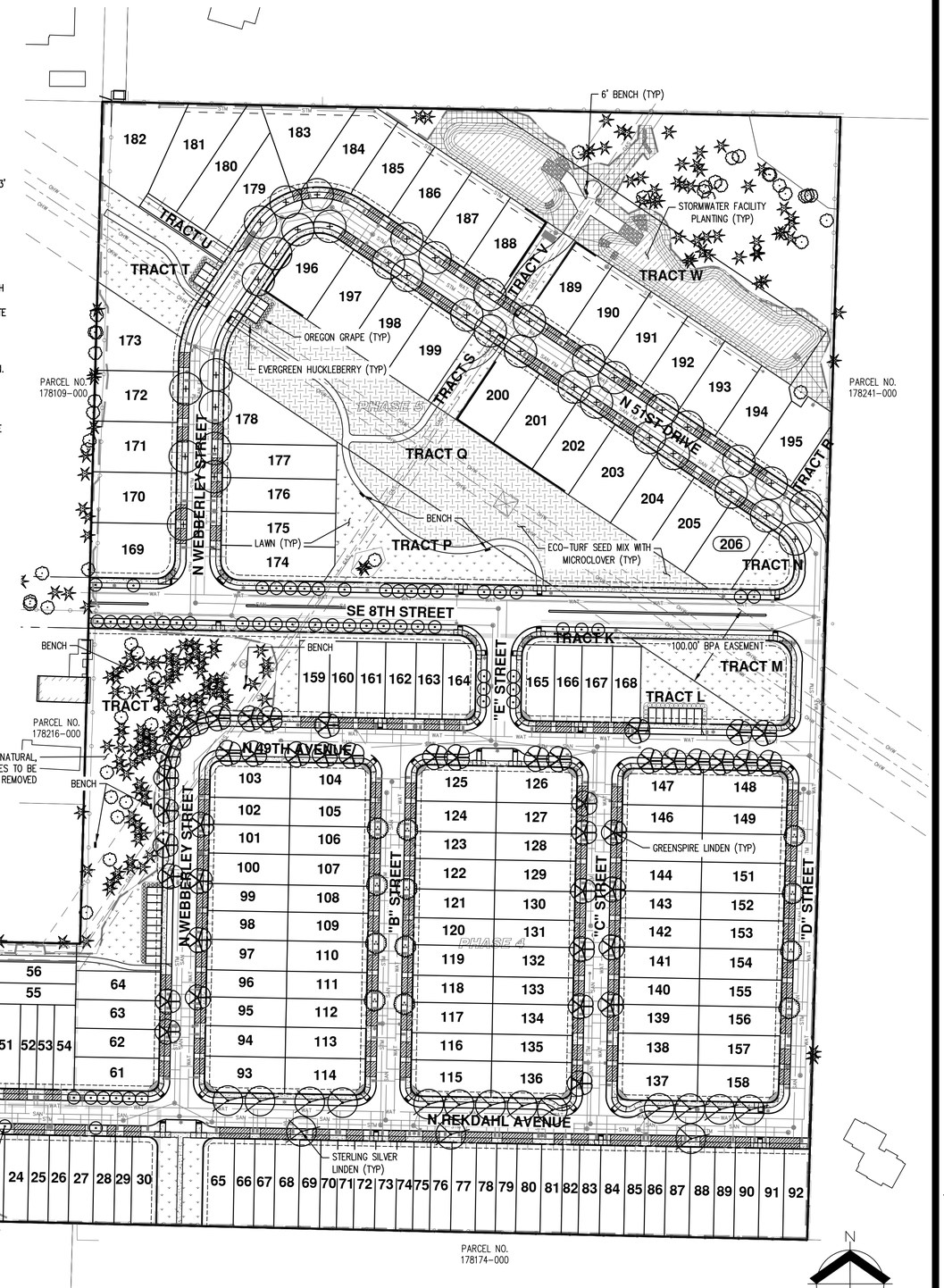
1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING PLANT AND MATERIAL QUANTITIES. IF DISCREPANCIES OCCUR, DESIGN INTENT PREVAILS OVER QUANTITIES LISTED.
2. ALL PLANTS AND PLANTINGS SHALL CONFORM TO CITY OF CAMAS DESIGN STANDARDS AND TO AMERICAN STANDARDS FOR NURSERY STOCK ANSI Z60.1. PLANT IN ACCORDANCE WITH BEST PRACTICE INDUSTRY STANDARDS SUCH AS THOSE ADOPTED BY THE WESTERN WASHINGTON ASSOCIATION OF LANDSCAPE PROFESSIONALS (WALP).
3. REVISIONS OR SUBSTITUTIONS TO PLANTING, INCLUDING CHANGES AND LOCATION, QUANTITIES, SPECIES, SIZES, SPACING, ETC. DUE TO UNFORESEEN SITE CONDITIONS, PLANT AVAILABILITY, ETC. MAY BE MADE WITH APPROVAL WHERE ALLOWED BY THE CITY OF CAMAS DESIGN STANDARDS PRIOR TO FINAL INSTALLATION.
4. CENTER TREES IN LANDSCAPE STRIP WHERE POSSIBLE UNLESS OTHERWISE SHOWN. KEEP THE TRUNKS 3' O.C. MINIMUM FROM CURBS, SIDEWALKS, AND OTHER PAVING. KEEP SHRUBS AND GROUNDCOVER A MINIMUM OF 24" O.C. FROM PAVING AND 3' O.C. FROM TREES. ADJUST PLANTINGS AS NECESSARY ON-SITE TO AVOID CONFLICTS WITH UTILITIES, HYDRANTS, LIGHT POLES, METERS, ETC.
5. HATCHED AREAS ARE MEANT TO CONVEY GENERAL PLANT LOCATION. PLANT COVERAGE, SPACING, AND LAYOUT SHALL BE CONSISTENT WITH THE SPACING LISTED IN THE PLANT SCHEDULE FOR FULL COVERAGE.
6. MULCH: APPLY 3" DEEP WELL-AGED MEDIUM GRIND OR SHREDDED DARK HEMLOCK OR FIR BARK MULCH UNDER AND AROUND ALL PLANTINGS (EXCLUDING STORMWATER FACILITIES). AVOID COVERING FOLIAGE OR ROOT CROWN OF PLANTS WITH BARK MULCH. PLANTS SHALL BE SET TO A DEPTH TO ACCOMMODATE MULCH APPLICATION.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING STREET TREES AND GROUNDCOVER ALONG THE FRONTAGE OF OPEN SPACE TRACTS AND SIDE LOTS. HOME OWNERS SHALL BE RESPONSIBLE FOR INSTALLING STREET TREES AND GROUNDCOVER ALONG LOT FRONTAGE AT TIME OF HOME CONSTRUCTION.
8. SOIL PREPARATION: GROWING MEDIUM IN ALL NEW PLANTING BEDS SHALL BE A MINIMUM OF 12" DEEP (6" OVER LAWN AREAS) OVER NON-COMPACTED, FREE-DRAINING SUBSOIL. EXISTING, NON-COMPACTED, NATIVE SOIL MAY COUNT TOWARDS THIS REQUIREMENT. REUSE SURFACE SOIL STOCKPILED ON THE SITE AND/OR IMPORT NEW TOPSOIL TO MAKE UP REQUIRED AMOUNTS FOR INSTALLATION. TOPSOIL SHALL BE FREE OF ROOTS, PLANTS, SOD, STONES (3/4" OR LARGER), CLAY LUMPS, DEBRIS, ALKALI SALTS, AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH. SOIL PLACEMENT AND PLANTING SHALL OCCUR IN CONDITIONS THAT DO NOT RESULT IN OVER-COMPACTION OR EROSION, SATURATED SOIL OR OTHER CONDITIONS SUCH AS FREEZING OR ABOVE AVERAGE TEMPERATURES, RAINY CONDITIONS, ETC. SOIL SHALL BE IN FRIABLE (WORKABLE) CONDITION WHEN PLACED. FINISH GRADE OF NEW PLANTING AREAS SHALL SEAMLESSLY MEET FINISH GRADE SET IN GRADING PLANS.
9. ALL PLANTING AREAS SHALL BE AUTOMATICALLY IRRIGATED. LANDSCAPE CONTRACTOR TO 'DESIGN-BUILD' IRRIGATION SYSTEM AND SUBMIT PLANS TO CITY OF CAMAS AND THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO BEGINNING INSTALLATION. REFER TO CAMAS DESIGN STANDARDS MANUAL FOR IRRIGATION DETAILS.
10. ALL STREET TREE LOCATIONS ARE SUBJECT TO CHANGE DUE TO DRIVEWAY, UTILITIES, STREET LIGHTS, FIRE HYDRANTS, CATCH BASIN, ETC.
11. BENCH LOCATIONS SHOWN ARE CONCEPTUAL. FINAL LOCATIONS TO BE DETERMINED WITH FINAL LANDSCAPE PLAN.

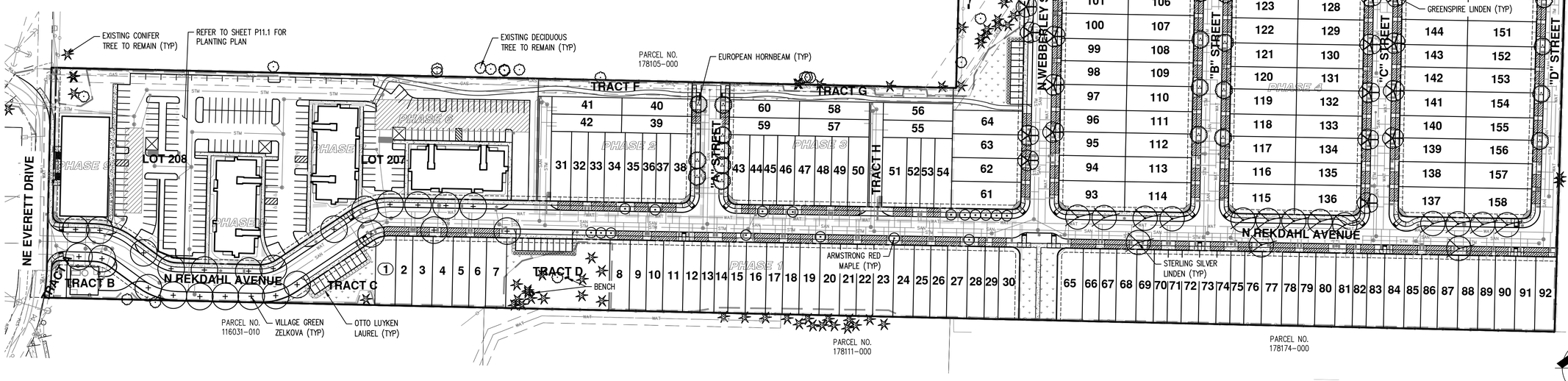
TREE PLAN

GROSS SITE AREA:	1,584,277 SF (36.37 AC)
*NET SITE AREA:	1,315,051 SF (30.35 AC)
TOTAL TREE UNITS REQUIRED (30.35 AC X 30):	910.5
EXISTING TREES RETAINED/(TREE UNITS):	196/(707)
PROPOSED SITE TREES/(TREE UNITS):	259
TOTAL TREE UNITS: (RETAINED AND PROPOSED)	966

* NET AREA EXCLUDES OPEN SPACE AND CRITICAL AREA

STREET TREES REQUIRED:	206
STREET TREES PROPOSED:	206





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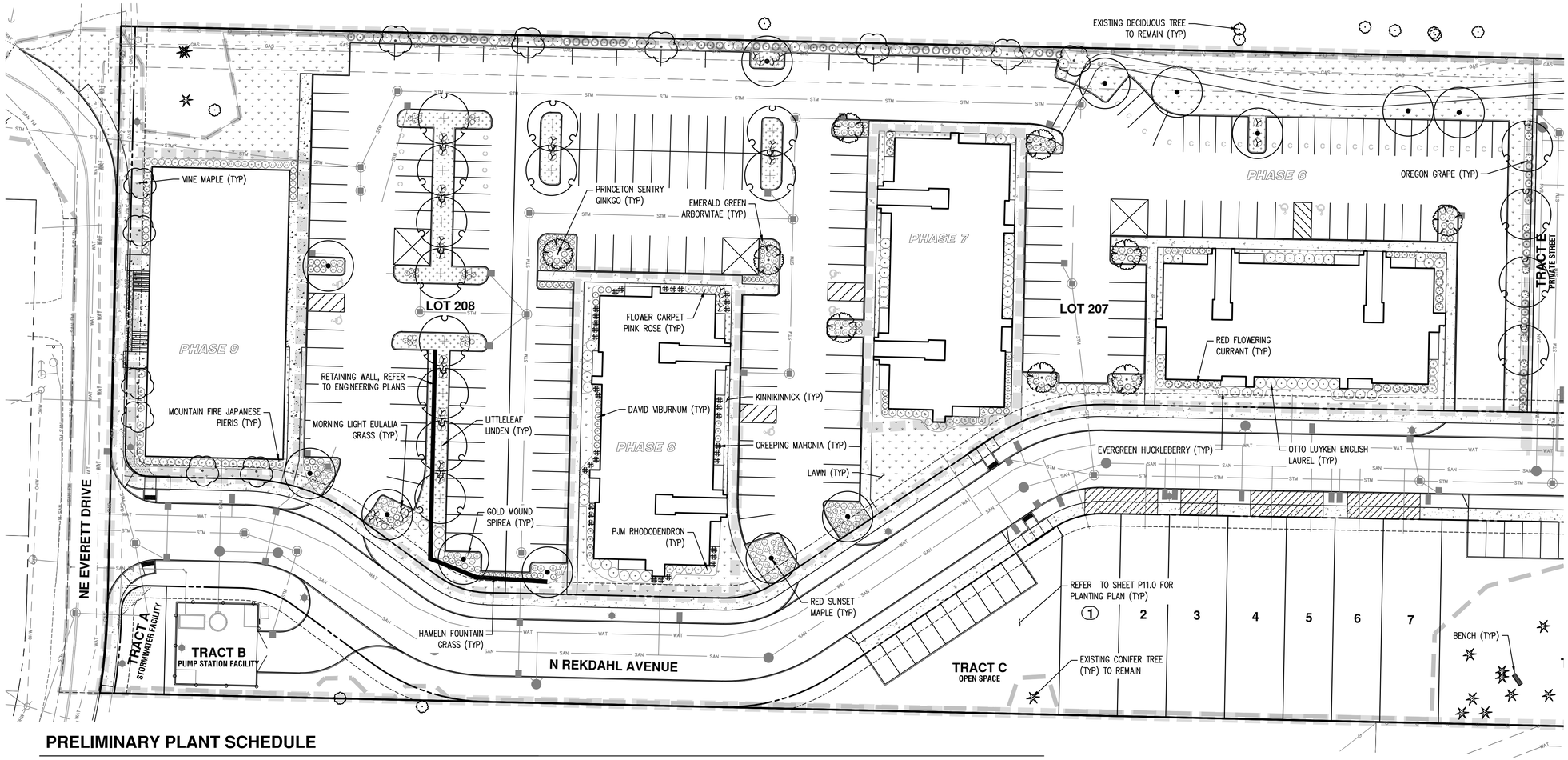

PRELIMINARY PLANT SCHEDULE

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TREES					
	12	ACER CIRCINATUM	VINE MAPLE	6' HT. MIN. B&B	AS SHOWN
	13	ACER RUBRUM 'FRANKSRED'	RED SUNSET MAPLE	2" CAL MIN./B&B	AS SHOWN
	9	GINKGO BILOBA 'PRINCETON SENTRY'	PRINCETON SENTRY GINKGO	2" CAL MIN./B&B	AS SHOWN
	16	TILIA CORDATA	LITTLELEAF LINDEN	2" CAL MIN./B&B	AS SHOWN
	53	TOTAL TREES			

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE/CONTAINER	SPACING
SHRUBS					
	50	MAHONIA AQUIFOLIUM	OREGON GRAPE	3 GAL. CONT.	48" o.c.
	37	MAHONIA REPENS	CREEPING MAHONIA	1 GAL. CONT.	36" o.c.
	39	MISCANTHUS SINENSIS 'MORNING LIGHT'	MORNING LIGHT EULALIA GRASS	1 GAL CONT.	48" o.c.
	115	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	1 GAL CONT.	30" o.c.
	27	PIERIS JAPONICA 'MOUNTAIN FIRE'	MOUNTAIN FIRE JAPANESE PIERIS	3 GAL CONT.	48" o.c.
	54	PRUNUS LAUROCERASUS 'OTTO LUYKEN'	OTTO LUYKEN LAUREL	3 GAL CONT.	60" o.c.
	22	RHODODENDRON X 'P.J.M.'	PJM RHODODENDRON	3 GAL CONT.	48" o.c.
	29	RIBES SANGUINEUM	RED FLOWERING CURRANT	1 GAL. CONT.	48" o.c.
	24	ROSA X 'NOATRAUM'	FLOWER CARPET PINK ROSE	1 GAL. CONT.	42" o.c.
	106	SPIRAEA X BUMALDA 'GOLDMOUND'	GOLD MOUND SPIREA	2 GAL CONT.	36" o.c.
	13	THUJA OCCIDENTALIS 'SMARAGD'	EMERALD GREEN ARBORVITAE	5'-6' HT. CONT.	30" o.c.
	53	VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	3 GAL. CONT.	60" o.c.
	136	VIBURNUM DAVIDII	DAVID VIBURNUM	2 GAL CONT.	36" o.c.

GROUND COVERS					
	771	ARCTOSTAPHYLOS UVA-URSI	KINNIKINNICK	1 GAL. CONT.	30" o.c.
	17,953 SF±	LAWN: NORTHWEST SUPREME LAWN SEED MIX – SUNMARK SEEDS (OR APPROVED EQUAL) DASHER 3 PERENNIAL RYEGRASS (LOLIUM PERENNE VAR. DASHER 3) 35% CUTTIER II PERENNIAL RYEGRASS (LOLIUM PERENNE VAR. CUTTER II) 35% GARNET CREEPING RED FESCUE (FESTUCA RUBRA VAR. GARNET) 15% WINDWARD CHEWINGS FESCUE (FESTUCA RUBRA SPP FALLAX VAR. WINDWARD) 15% APPLY AT A RATE OF 8 LBS. PER 1,000 SF OR AS RECOMMENDED BY SUPPLIER			

GENERAL NOTE

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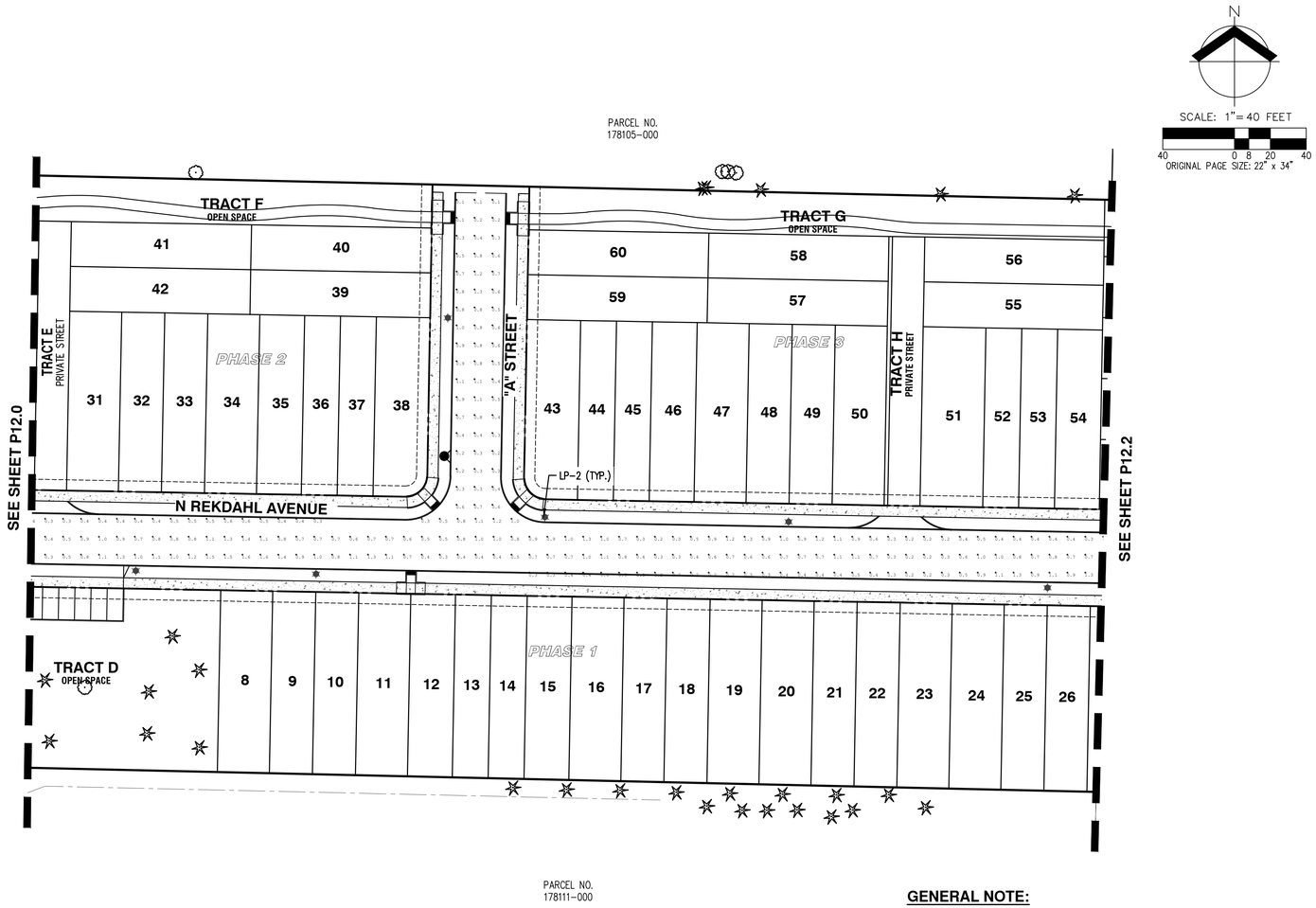

GENERAL NOTE:

1. LIGHTING ANALYSIS PERFORMED WITH AGI SOFTWARE.

ROADWAY LIGHT LEVEL SUMMARY – CITY OF CAMAS

ROADWAY	UNITS	AVERAGE	MAX	MIN
N REKDAHL AVENUE	Fc	0.64	1.6	0.1
"A" STREET	Fc	0.56	1.3	0.1

LUMINAIRE SCHEDULE

SYMBOL /LABEL	QUANTITY	STYLE	LUMINAIRE TYPE	POLE TYPE	HEIGHT
(LP-2)	48	PROPOSED	HOLOPHANE AWDE3-P20-30K-MVOLT-MS-AL3-BK-ST-TBK-AO-PR7-L1H-TB-NL1X1-UA-GVDHSS90	PLP DECORATIVE POLE SPECIFICATIONS PLP MODEL# DOM-DB-FL-14.5-BL-CI	14.5' HT.

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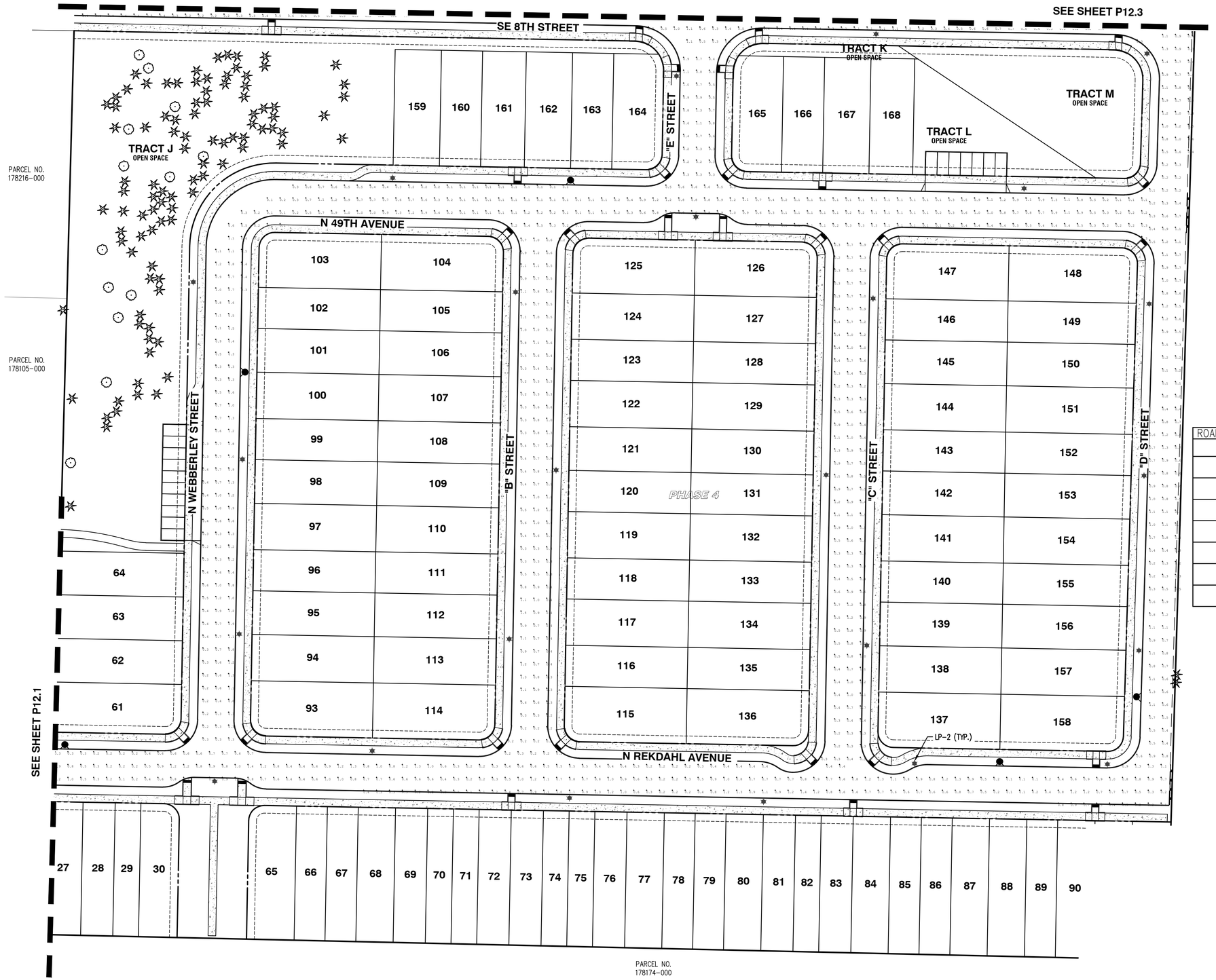

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SCALE: 1"=40 FEET

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1. LIGHTING ANALYSIS PERFORMED WITH AGI SOFTWARE.

ROADWAY LIGHT LEVEL SUMMARY – CITY OF CAMAS

ROADWAY	UNITS	AVERAGE	MAX	MIN
N REKDAHL AVENUE	Fc	0.64	1.6	0.1
N WEBBERLY STREET	Fc	0.48	1.3	0.1
"B" STREET	Fc	0.64	1.4	0.2
"C" STREET	Fc	0.64	1.3	0.2
"D" STREET	Fc	0.67	1.4	0.1
"E" STREET	Fc	0.61	1.3	0.2
SE 8TH STREET	Fc	0.58	1.8	0.1

LUMINAIRE SCHEDULE

SYMBOL /LABEL	QUANTITY	STYLE	LUMINAIRE TYPE	POLE TYPE	POLE HEIGHT
(LP-2)	48	PROPOSED	HOLOPHANE AWDE3-P20-30K-MVOLT-MS-AL3-BK-ST-TBK-AO-PR7-L1H-TB-NL1X1-UA-GVDHSS90	PLP DECORATIVE POLE SPECIFICATIONS PLP MODEL# DOM-DB-FL-14.5-BL-CI	14.5' HT.

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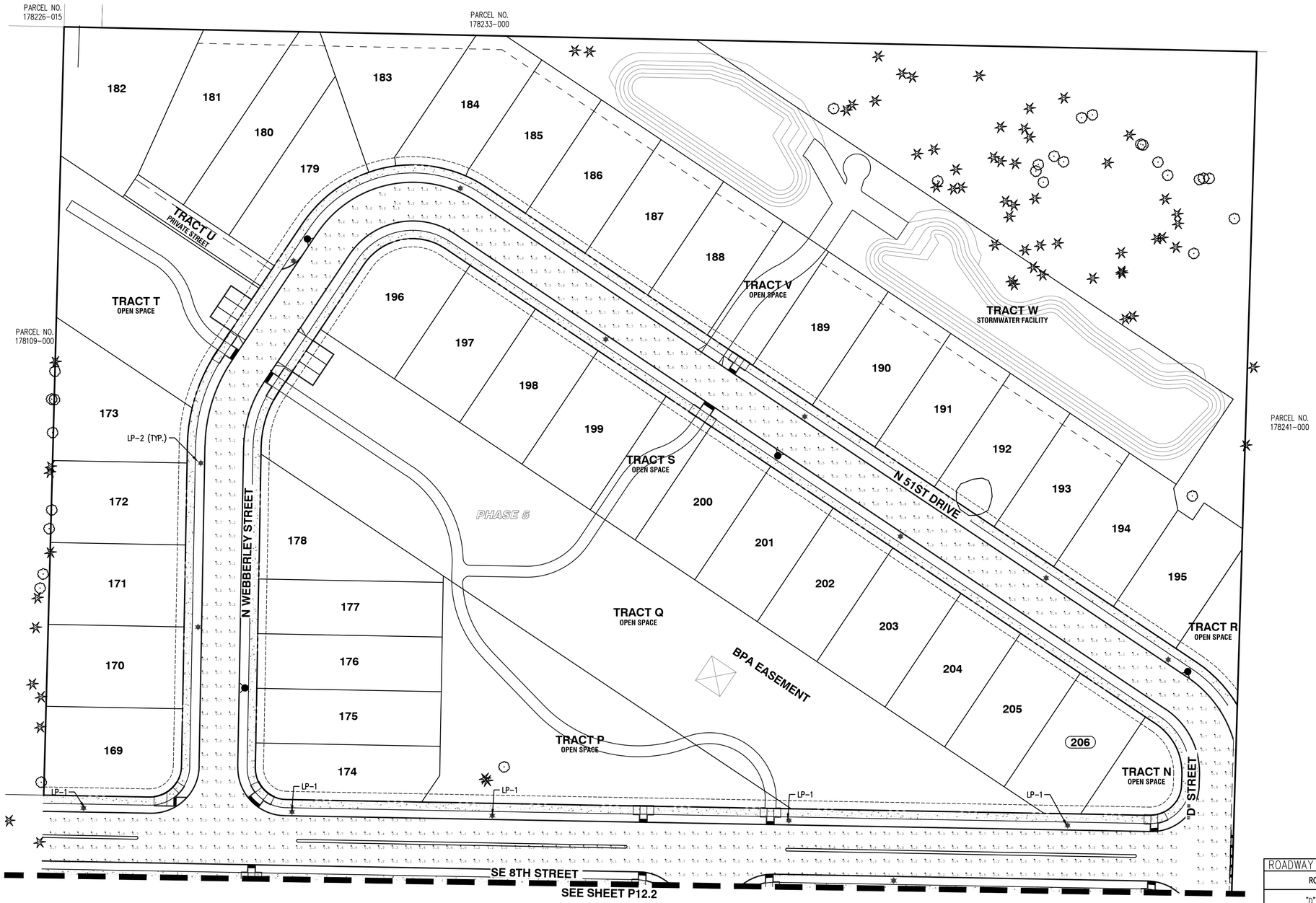
CHECKED BY:	BDH

P12.2



N

SCALE: 1"= 40 FEET

40 0 8 20 40

ORIGINAL PAGE SIZE: 22" x 34"

GENERAL NOTE:

1. LIGHTING ANALYSIS PERFORMED WITH AGI SOFTWARE.

ROADWAY LIGHT LEVEL SUMMARY – CITY OF CAMAS				
ROADWAY	UNITS	AVERAGE	MAX	MIN
"D" STREET	Fc	0.67	1.4	0.1
SE 8TH STREET	Fc	0.58	1.8	0.1
N WEBBERLY STREET	Fc	0.54	1.3	0.1
N 51ST DRIVE	Fc	0.71	1.4	0.1

LUMINAIRE SCHEDULE					
SYMBOL /LABEL	QUANTITY	STYLE	LUMINAIRE	POLE	
			TYPE	TYPE	HEIGHT
(LP-1)	5	PROPOSED	LEOTEK – LED COBRA HEAD – GCJ1-20H-MV-WW-2R-GY-700-BBL-PCR7-WL	N/A	25.0' HT.

LUMINAIRE SCHEDULE					
SYMBOL /LABEL	QUANTITY	STYLE	LUMINAIRE	POLE	
			TYPE	TYPE	HEIGHT
(LP-2)	48	PROPOSED	HOLOPHANE AWDE3-P20-30K-MVOLT-MS-AL3-BK-ST-TBK-A0-PR7-L1H-TB-NL1X1-UA-GVDHSS90	PLP DECORATIVE POLE SPECIFICATIONS PLP MODEL# DOM-DB-FL-14.5-BL-CI	14.5' HT.

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ENGINEERING · SURVEYING · NATURAL RESOURCES
FORESTRY · PLANNING · LANDSCAPE ARCHITECTURE

PRELIMINARY LIGHTING PLAN
CAMAS WOODS SUBDIVISION
CAMAS WOODS, LLC
CAMAS, WASHINGTON

PRELIMINARY
NOT FOR CONSTRUCTION

JOB NUMBER:	8397
DATE:	11/1/2024
DESIGNED BY:	JTG
DRAWN BY:	JTG
CHECKED BY:	BDH

P12.3

AKS DRAWING FILE: 8397 P12 LIGHT.DWG | LAYOUT: P12.3