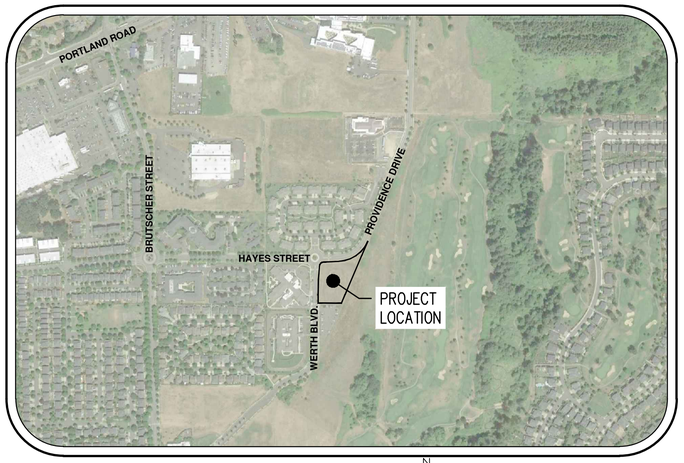
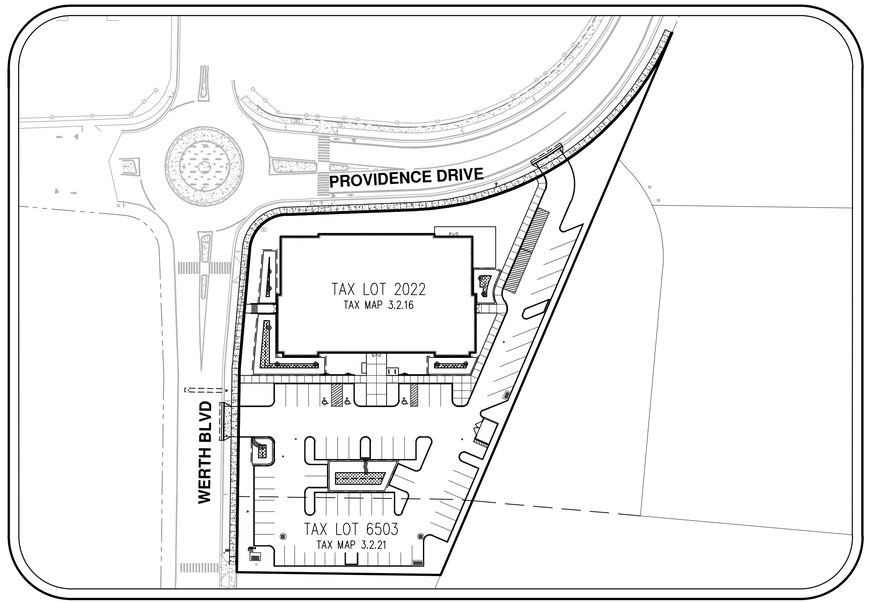
GFU HEALTH OCCUPATIONS BUILDING

CIVIL ENGINEERING DESIGN REVIEW PLANS



VICINITY MAP
NOT TO SCALE



SITE MAP
SCALE: 1"=60 FEET (22"x34")
SCALE: 1"=120 FEET (11"x17")

LEGEND

	EXISTING	PROPOSED		EXISTING	PROPOSED
DECIDUOUS TREE			STORM SEWER CLEAN OUT		
CONIFEROUS TREE			STORM SEWER CATCH BASIN		
FIRE HYDRANT			STORM SEWER MANHOLE		
WATER BLOWOFF			GAS METER		
WATER METER			GAS VALVE		
WATER VALVE			GUY WIRE ANCHOR		
DOUBLE CHECK VALVE			POWER POLE		
AIR RELEASE VALVE			POWER VAULT	P	P
SANITARY SEWER CLEAN OUT			POWER JUNCTION BOX		
SANITARY SEWER MANHOLE			POWER PEDESTAL		
SIGN			COMMUNICATIONS VAULT	C	C
STREET LIGHT			COMMUNICATIONS JUNCTION BOX		
MAILBOX	MB	MB	COMMUNICATIONS RISER		

	EXISTING	PROPOSED
RIGHT-OF-WAY LINE		
BOUNDARY LINE		
PROPERTY LINE		
CENTERLINE		
DITCH		
CURB		
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 SEWER LINE	STM	STM
SANITARY SEWER LINE	SAN	SAN
WATER LINE	WAT	WAT

DEVELOPER/OWNER'S REPRESENTATIVE

MJG DEVELOPMENT
CONTACT: MIKE GOUGLER
901 N. BRUTSCHER, SUITE 206
NEWBERG, OR 97132
PH: 503-810-5576

CIVIL ENGINEERING, LANDSCAPE ARCHITECTURE, PLANNING, AND SURVEYING FIRM

AKS ENGINEERING & FORESTRY
CONTACT: CHUCK GREGORY, PE
12965 SW HERMAN ROAD, SUITE 100
TUALATIN, OR 97062
PH: 503-563-6151
FAX: 503-563-6152

ARCHITECT

SODERSTROM ARCHITECTS
CONTACT: HUGH BITZER
1200 NW NAITO PARKWAY, SUITE 410
PORTLAND, OREGON 97209
PH: 503-228-5617

PROPERTY DESCRIPTION:

YAMHILL COUNTY TAX MAP 3.2.16, TAX LOT 2022
YAMHILL COUNTY TAX MAP 3.2.21, TAX LOT 6503

VERTICAL DATUM

VERTICAL DATUM NAVD 88: ELEVATIONS ARE BASED ON YAMHILL COUNTY GEODETIC CONTROL STATION NO. 22. WITH A CORPSCON CONVERTED ELEVATION = 223.436 FEET (NAVD 88) FROM PUBLISHED NGVD 29 ELEVATION OF 219.994 FEET. CONVERTED NAVD 88 VALUE WERE CHECKED AGAINST PHYSICAL GPS OBSERVATION USING THE TRIMBLE VRS NOW NETWORK.

SHEET INDEX

PO-01 – COVER SHEET WITH VICINITY AND SITE MAP
PO-02 – EXISTING CONDITIONS PLAN
PO-03 – PRELIMINARY SITE PLAN
PO-04 – PRELIMINARY GRADING PLAN
PO-05 – PRELIMINARY COMPOSITE UTILITY PLAN
PO-06 – PRELIMINARY PUBLIC IMPROVEMENT PLAN
PO-07 – PRELIMINARY LANDSCAPE PLAN
A1.01 – TRASH ENCLOSURE
A2.01 – FLOOR PLAN – LEVEL 1
A2.02 – FLOOR PLAN – LEVEL 2
A2.03 – FLOOR PLAN – LEVEL 3
A2.04 – ROOF PLAN
A3.01 – EXTERIOR ELEVATIONS
A3.11 – BUILDING SECTIONS
E1.01 – SITE PLAN – ELECTRICAL

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COVER SHEET WITH VICINITY AND SITE MAP
HEALTH OCCUPATIONS BUILDING
GEORGE FOX UNIVERSITY
NEWBERG | OREGON

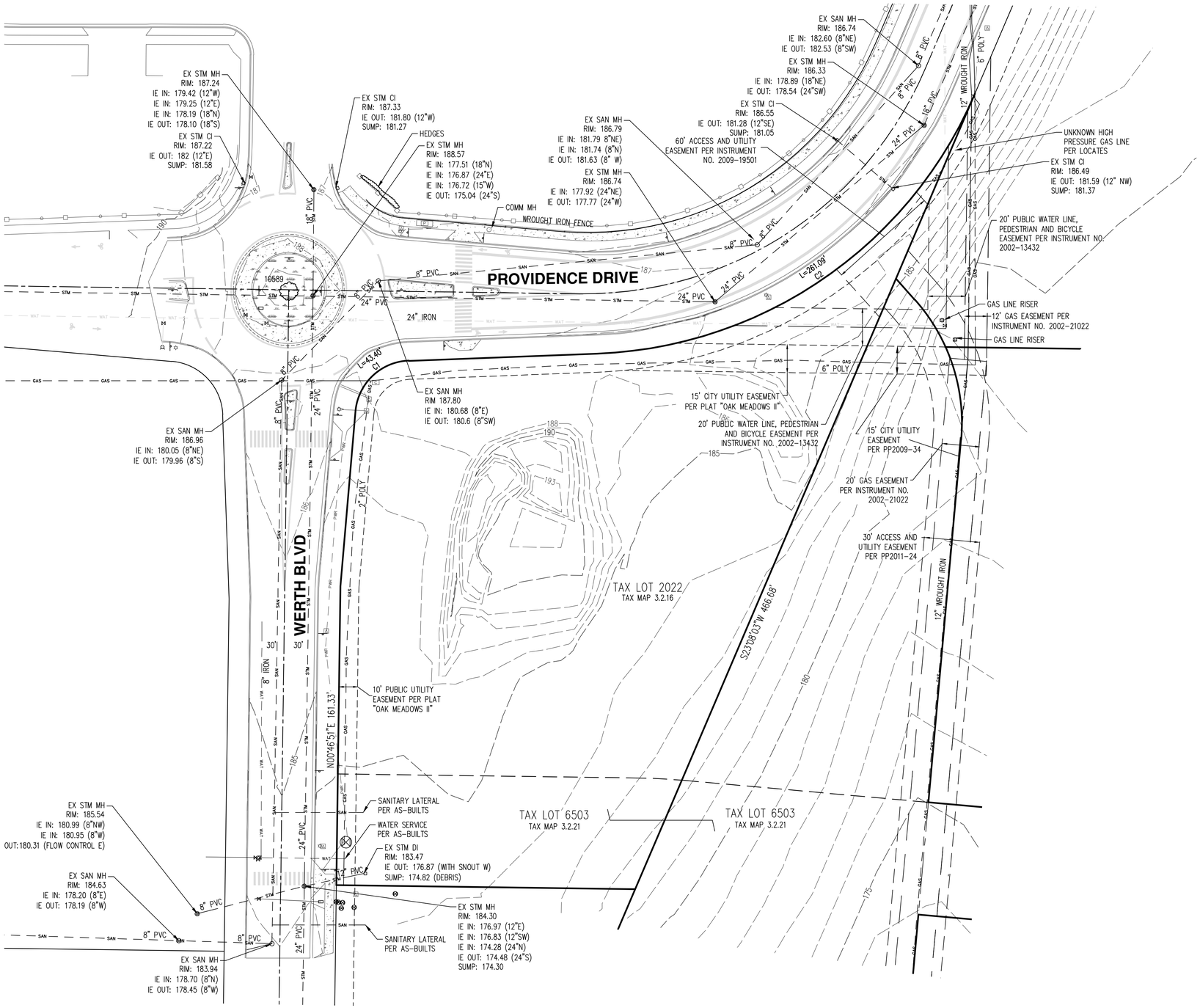
PRELIMINARY NOT FOR CONSTRUCTION

RENEWS: JUNE 30, 2019

JOB NUMBER:	5016
DATE:	06/10/2019
DESIGNED BY:	SN/MCC
DRAWN BY:	MCC
CHECKED BY:	CEG

PO-01

AKS DRAWING FILE: 5016 P1 COVER.DWG | LAYOUT: PO-01



CURVE TABLE				
CURVE	RADIUS	DELTA	LENGTH	CHORD
C1	30.00'	82°53'13"	43.40'	S46°22'45"W 39.71'
C2	231.25'	64°41'18"	261.09'	N55°28'42"E 247.44'

NOTES:

1. PUBLIC UTILITIES SHOWN ARE BASED ON UNDERGROUND UTILITY LOCATE MARKINGS AS PROVIDED BY OTHERS, PROVIDED PER UTILITY LOCATE TICKET NUMBERS 16138430. 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 JUNE 8, 2016.
3. VERTICAL DATUM NAVD 88: ELEVATIONS ARE BASED ON YAMHILL COUNTY GEODETIC CONTROL STATION NO. 22. WITH A CORPSCON CONVERTED ELEVATION = 223.436 FEET (NAVD 88) FROM PUBLISHED NGVD 29 ELEVATION OF 219.994 FEET. CONVERTED NAVD 88 VALUE WERE CHECKED AGAINST PHYSICAL GPS OBSERVATION USING THE TRIMBLE VRS NOW NETWORK.
4. THIS MAP DOES NOT CONSTITUTE A PROPERTY BOUNDARY SURVEY.
5. SURVEY IS ONLY VALID WITH SURVEYOR'S STAMP AND SIGNATURE.
6. BUILDING FOOTPRINTS ARE MEASURED TO SIDING UNLESS NOTED OTHERWISE. CONTACT SURVEYOR WITH QUESTIONS REGARDING BUILDING TIES.
7. CONTOUR INTERVAL IS 1 FOOT.
8. TREES WITH DIAMETER OF 6" AND GREATER ARE SHOWN. TREE DIAMETERS WERE MEASURED UTILIZING A DIAMETER TAPE AT BREAST HEIGHT. TREE INFORMATION IS SUBJECT TO CHANGE UPON ARBORIST INSPECTION.

N

SCALE: 1"=30 FEET

30 0 12 18 24 30

34" x 22"

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EXISTING CONDITIONS PLAN
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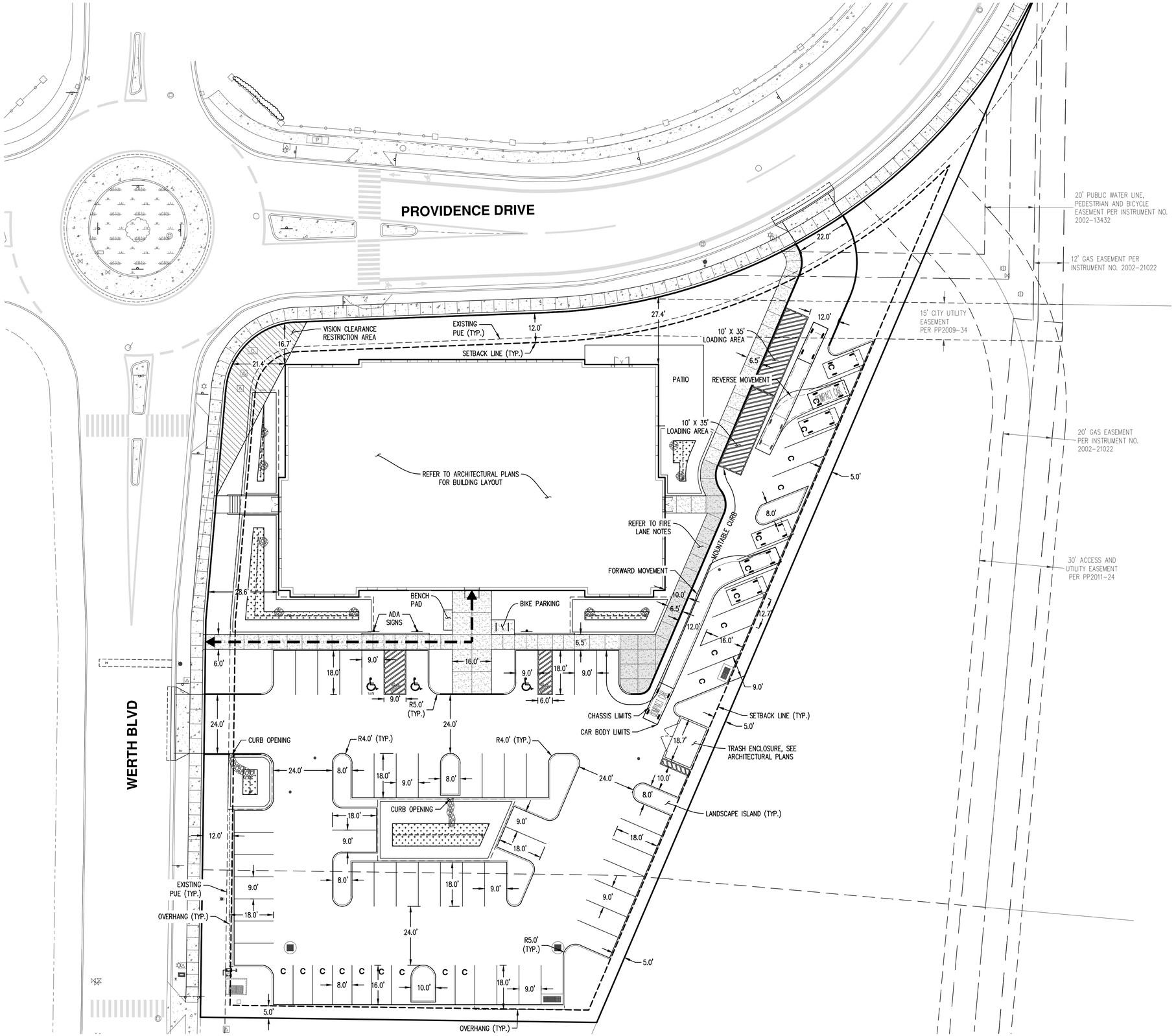
REGISTERED PROFESSIONAL LAND SURVEYOR
OREGON JANUARY 9, 2007 NICK WHITE 70652LS
RENEWS: 6/30/18

PRELIMINARY NOT FOR CONSTRUCTION

JOB NUMBER:	5016
DATE:	06/10/2019
DESIGNED BY:	SN/MCC
DRAWN BY:	MCC
CHECKED BY:	CEG

PO-02

AKS DRAWING FILE: 5016EXCOND C002.DWG | LAYOUT: LAYOUT1



SITE SUMMARY

ZONING DISTRICT: R-P (RESIDENTIAL PROFESSIONAL)
ZONING SUBDISTRICT: SP (SPECIFIC PLAN – SPRINGBROOK OAKS)
ZONING OVERLAY: AO (AIRPORT OVERLAY)
SITE AREA: ±1.53 ACRES (±66,766 SF)
TOTAL BUILDING AREA: ±43,689 SF (3 STORIES)

BUILDING FOOTPRINT: ±14,563 SF
TRASH ENCLOSURE FOOTPRINT: ±288 SF
PARKING LOT AREA: ±25,888 SF
HARD SURFACE AREA: ±30,836 SF
LANDSCAPING AREA: ±21,368 SF (INCLUDING STORMWATER PLANTERS)

PARKING AND LOADING:
REQUIRED PARKING: 1 SPACE PER 3 STUDENTS
200 STUDENTS/ 3 = 67 PARKING SPACES REQUIRED
PROVIDED PARKING: 68 SPACES
COMPACT PARKING: 20 SPACES (30%)
REQUIRED BIKE PARKING: 4 (1 SPACE PER 10,000 SF GROSS FLOOR AREA)
PROVIDED BIKE PARKING: 4
LOADING ZONE: 2 PROVIDED (10 X 35 EACH)

ADA COMPLIANCE

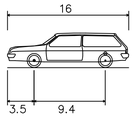
68 PARKING SPACES PROVIDED --> 3 ADA PARKING SPACES REQUIRED
3 ADA PARKING SPACES PROVIDED (1 VAN ACCESSIBLE)

= ACCESSIBLE ROUTE

FIRE LANE NOTES:

1. HATCHED CURB AND SIDEWALK DESIGNED TO HANDLE A GROSS VEHICULAR WEIGHT OF 75,000 LBS
2. HATCHED CURB AND SIDEWALK DESIGNED TO HANDLE A 12,500 LBS WHEEL/POINT LOAD

= RED PAINTED CURB – FIRE LANE
= FIRE ACCESS



COMPACT CAR

OVERALL LENGTH	16.0 FT
OVERALL WIDTH	6.5 FT
OVERALL BODY HEIGHT	4.565 FT
MIN BODY GROUND CLEARANCE	0.763 FT
TRACK WIDTH	5.300 FT
LOCK-TO-LOCK TIME	6.00s
MAX STEERING ANGLE (VIRTUAL)	32.10°

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PRELIMINARY SITE PLAN
HEALTH OCCUPATIONS BUILDING
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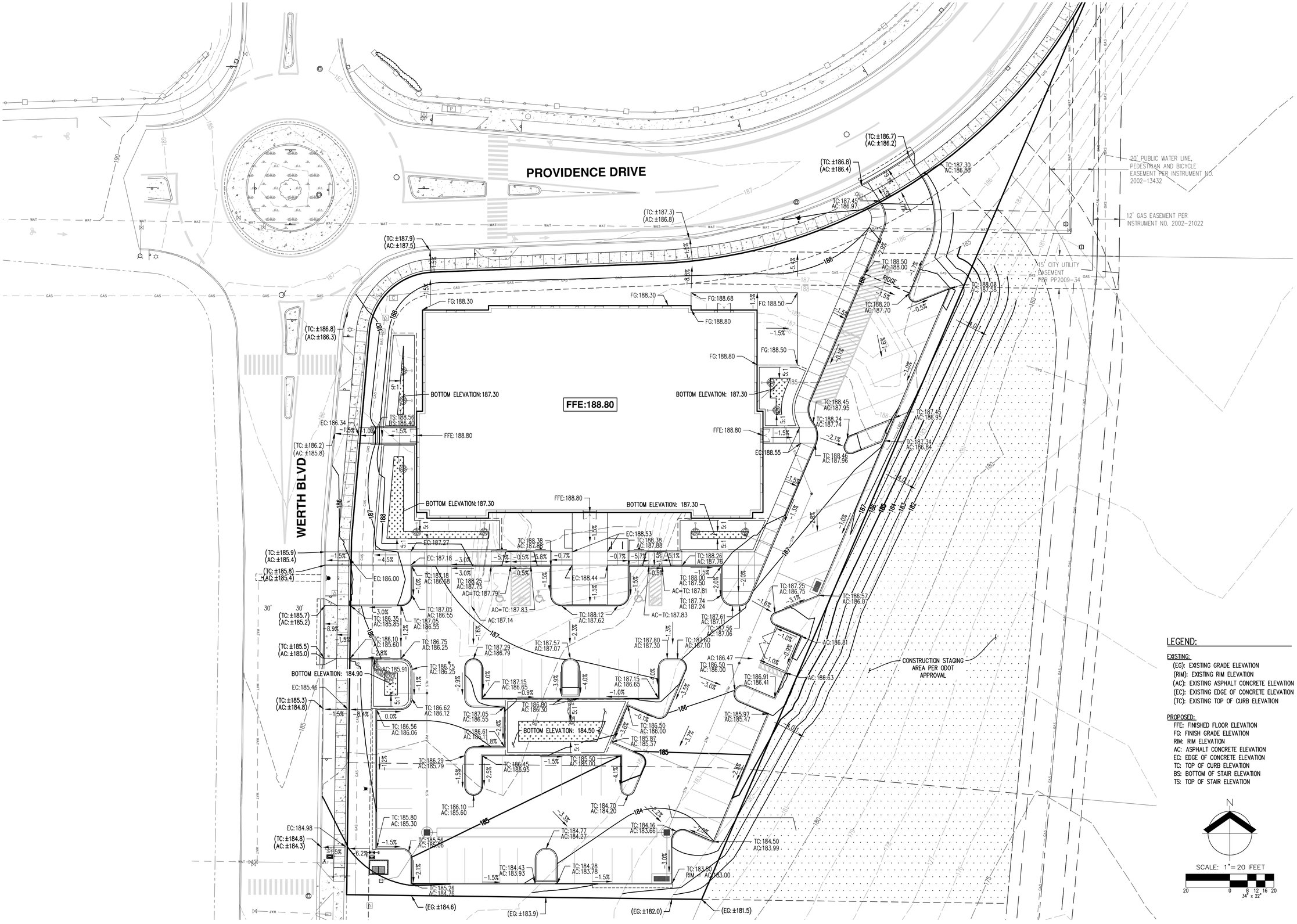
RENEWS: JUNE 30, 2019

JOB NUMBER:	5016
DATE:	06/10/2019
DESIGNED BY:	SN/MCC
DRAWN BY:	MCC
CHECKED BY:	CEG

PO-03

AKS DRAWING FILE: 5016 P3 SITE PLAN.DWG | LAYOUT: PO-03



LEGEND:

EXISTING:
- (EG): EXISTING GRADE ELEVATION
- (RIM): EXISTING RIM ELEVATION
- (AC): EXISTING ASPHALT CONCRETE ELEVATION
- (EC): EXISTING EDGE OF CONCRETE ELEVATION
- (TC): EXISTING TOP OF CURB ELEVATION

PROPOSED:
- FFE: FINISHED FLOOR ELEVATION
- FG: FINISH GRADE ELEVATION
- RIM: RIM ELEVATION
- AC: ASPHALT CONCRETE ELEVATION
- EC: EDGE OF CONCRETE ELEVATION
- TC: TOP OF CURB ELEVATION
- BS: BOTTOM OF STAIR ELEVATION
- TS: TOP OF STAIR ELEVATION

N

SCALE: 1"=20 FEET

20 0 8 12 16 20
34" x 22"

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REGISTERED PROFESSIONAL ENGINEER
OREGON
CHARLES EDWARD GREGORY
PRELIMINARY NOT FOR CONSTRUCTION
RENEWS: JUNE 30, 2019

JOB NUMBER:	5016
DATE:	06/10/2019
DESIGNED BY:	SN/MCC
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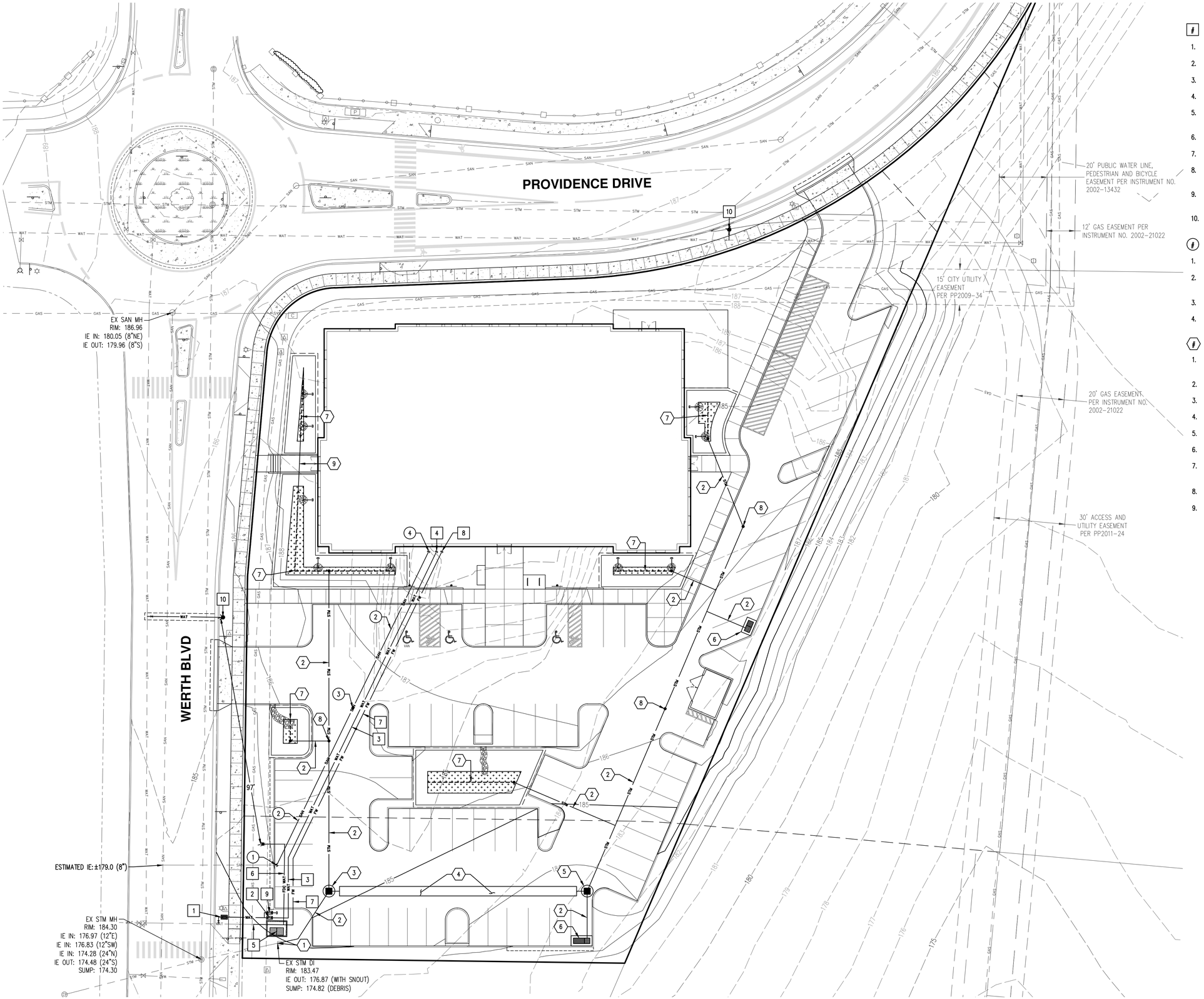
PO-04

AKS DRAWING FILE: 5016 P4 GRADING.DWG | LAYOUT: PO-04



KEYED WATER NOTES

1. 2" WATER METER PER CITY OF NEWBERG STANDARDS.
2. 2" DOUBLE CHECK VALVE.
3. 2" PEX WATER PIPE.
4. CONNECT TO BUILDING SERVICE. SEE PLANS BY OTHERS.
5. 4" FIRE DOUBLE CHECK DETECTOR ASSEMBLY WITH FDC. CONNECT TO EXISTING WATER SERVICE.
6. 4" FDC.
7. 4" RESTRAINED JOINT PVC C900 FIRE WATER SERVICE.
8. CONNECT TO BUILDING FIRE SERVICE. COORDINATE WITH FIRE SPRINKLER ENGINEER
9. 1" DOUBLE CHECK VALVE WITH 2' STUB. REFER TO IRRIGATION PLANS
10. NEW FIRE HYDRANT

KEYED SANITARY NOTES

1. CONNECT TO EXISTING SANITARY SEWER LATERAL.
2. 6" PVC D3034 SANITARY SEWER PIPE. S=0.020 FT/FT
3. 6" CLEANOUT.
4. CONNECT TO BUILDING SERVICE, REFER TO PLUMBING PLANS BY OTHERS.

KEYED STORMWATER NOTES

1. REMOVE EXISTING FLOW STRUCTURE AND CONNECT TO 12" STORM PIPE
2. PVC D3034 PIPE S=0.010 FT/FT MIN.
3. FLOW CONTROL MANHOLE
4. 4' DIAMETER x 100' LENGTH ADS DETENTION PIPE
5. 48" STORM MANHOLE
6. CONTECH STORMFILTER CATCH BASIN
7. FLOW THROUGH RAIN GARDEN WITH, 6" PERFORATED PIPE, RIP-RAP OUTFALL PROTECTION, AND 6" OVERFLOW PIPE
8. 6" CLEANOUT
9. 10" PVC D3034 CULVERT S=0.000 FT/FT

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PRELIMINARY COMPOSITE UTILITY PLAN
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REGISTERED PROFESSIONAL ENGINEER
OREGON
CHARLES EDWARD GREGORY
RENEWS: JUNE 30, 2019

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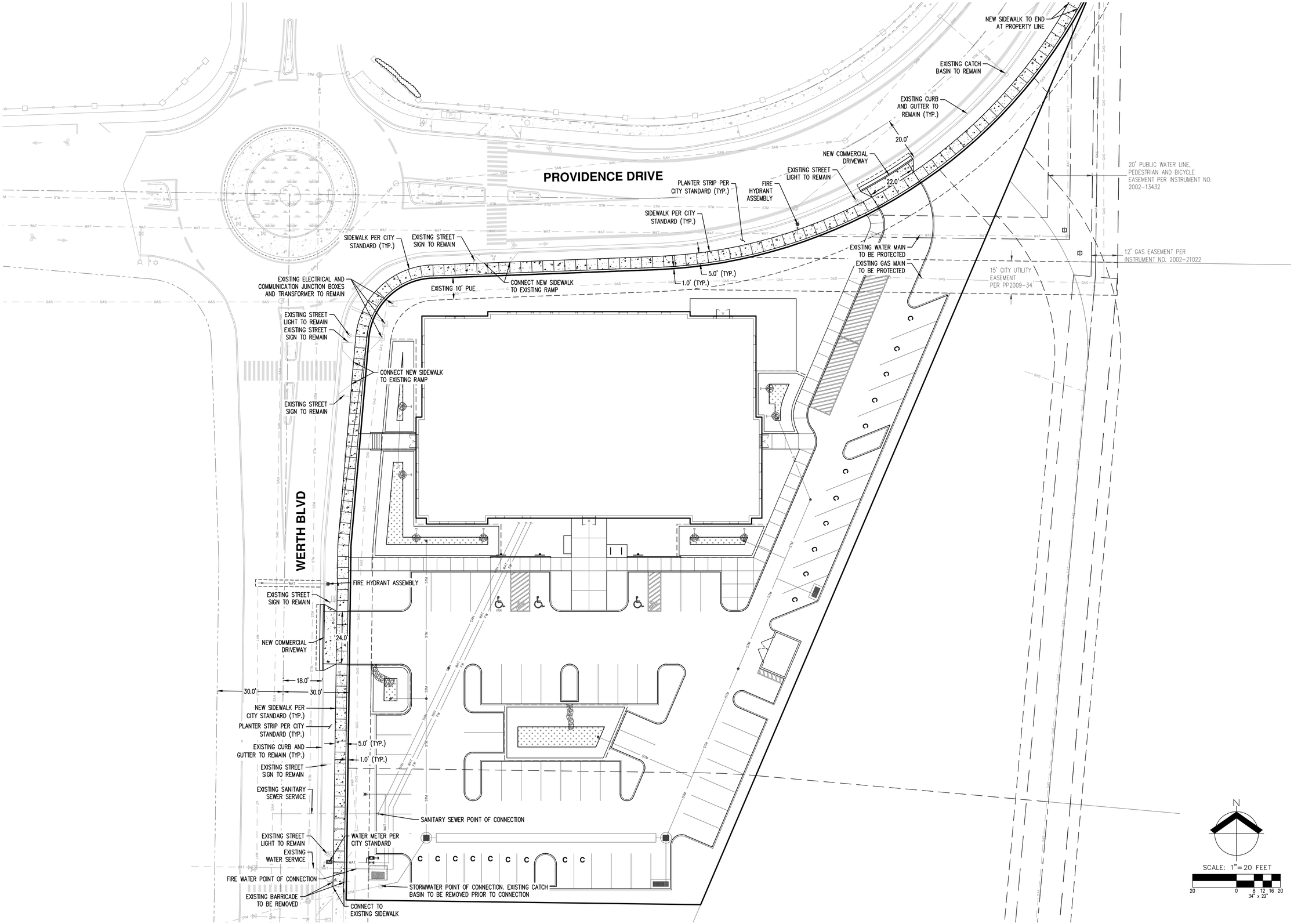
PO-05

AKS DRAWING FILE: 5016 P5 COMPOSITE UTL.DWG | LAYOUT: PO-05



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RENEWS: JUNE 30, 2019

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DESIGNED BY:	SN/MCC
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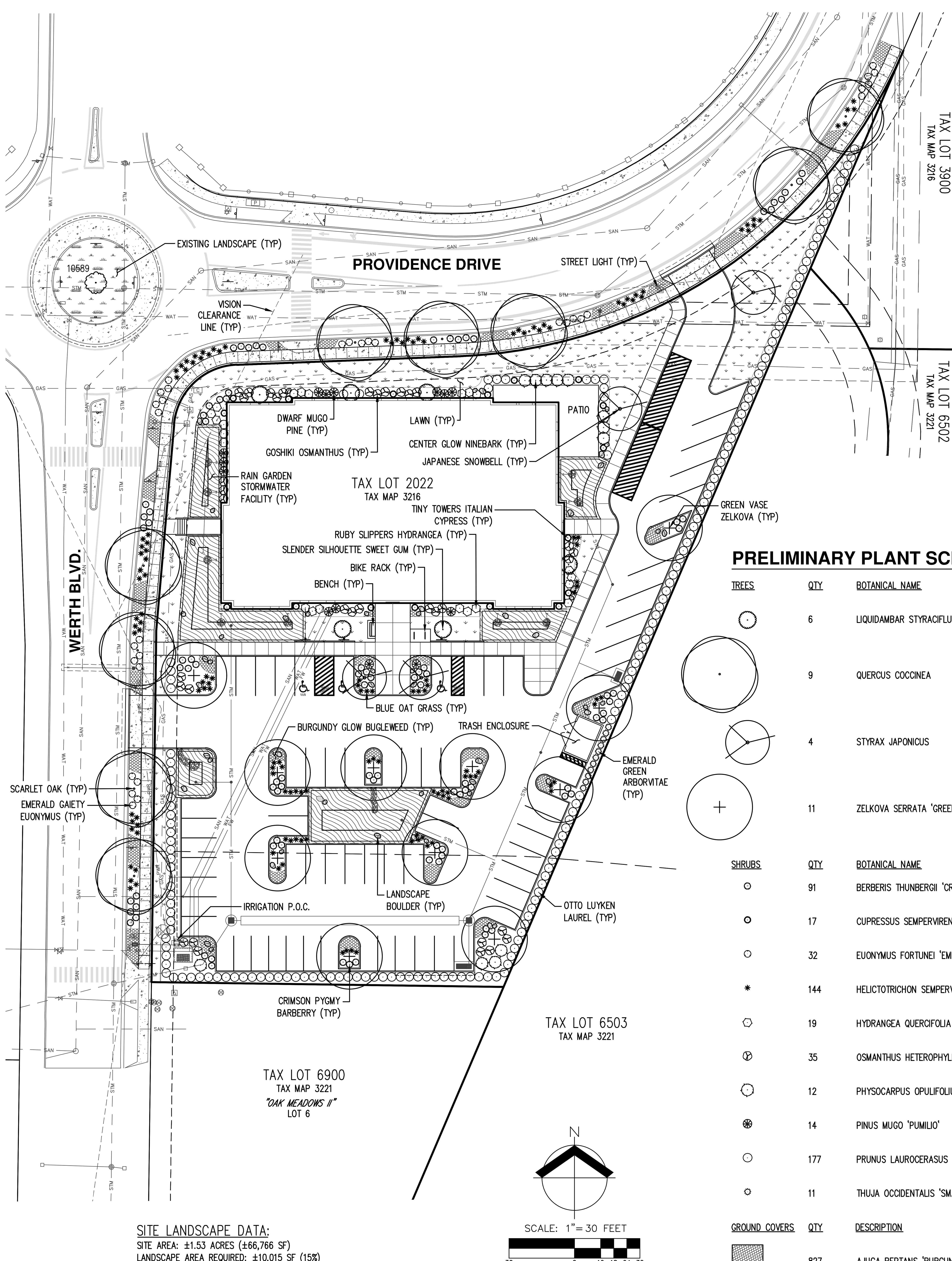
PO-06

AKS DRAWING FILE: 5016 P6 FRONTAGE IMPROVEMENTS.DWG | LAYOUT: PO-06



PRELIMINARY LANDSCAPE NOTES:

1. LANDSCAPE PLAN IS PRELIMINARY AND INTENDED TO SHOW DESIGN INTENT. PLAN ELEMENTS, PLANT SPECIES, ETC. AS SHOWN ARE SUBJECT TO CHANGE PRIOR TO FINAL REVIEW AND SUBMITTAL BASED ON FINAL SITE CONDITIONS, NURSERY STOCK AVAILABILITY, ETC.
2. LANDSCAPING AND PLANTING ACTIVITY SHALL CONFORM TO APPLICABLE CITY OF NEWBERG STANDARDS, INCLUDING BUT NOT LIMITED TO CHAPTER 15.420 LANDSCAPING AND OUTDOOR AREAS AND APPENDIX A PLANTING REQUIREMENTS FOR STORMWATER FACILITIES.
3. PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK {ANSI Z60.1), CURRENT EDITION. QUALITY DEFINITIONS, SIZE TOLERANCES, ROOT BALL SIZE, AND CALIPER-TO-HEIGHT RATIOS SHALL BE NO LESS THAN MINIMUMS SPECIFIED IN THESE STANDARDS.
4. TREES SHALL, WHERE APPLICABLE, BE CENTERED IN THE PLANTING STRIP OR PLANTING ISLAND BETWEEN CURBS/SIDEWALKS. OTHER TREES SHALL BE PLANTED A MINIMUM OF 4' FROM BACK OF SIDEWALK OR OTHER HARDSCAPING. FIELD ADJUSTMENTS TO PLANTING LOCATIONS MAY BE NECESSARY TO AVOID CONFLICTS WITH LIGHTS, WATER METERS, HYDRANTS, AND OTHER UTILITIES.
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 LEGEND FOR FULL COVERAGE.
6. AUTOMATIC, UNDERGROUND IRRIGATION SYSTEMS SHALL BE PROVIDED FOR ALL PROPOSED PLANTING AREAS. IRRIGATION SYSTEM SHALL BE 'DESIGN-BUILD' BY THE LANDSCAPE CONTRACTOR AND SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE POINT-OF-CONNECTION, BACKFLOW PREVENTION, AND SLEEVING LOCATIONS WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION OF HARD SURFACING. IRRIGATION SHALL MINIMIZE OVERSPRAY ONTO NON-IRRIGATED AREAS WITH CONSIDERATION FOR FUTURE PLANT GROWTH, AND SHALL WHERE FEASIBLE, UTILIZE WATER-SAVING TECHNOLOGY (SUCH AS MATCHED PRECIPITATION ROTOR SPRINKLER HEADS, EVAPOTRANSPIRATION (ET) CAPABLE CONTROLLER, ETC.).
7. SOIL PREPARATION: GROWING MEDIUM IN ALL NEW PLANTING BEDS SHALL BE SUFFICIENT DEPTH FOR PLANT ESTABLISHMENT AND GROWTH. 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. SOIL WITHIN THE STORMWATER FACILITIES SHALL COMPLY WITH CITY OF NEWBERG REQUIREMENTS AND STANDARDS.
8. MULCH: ALL PLANTING BEDS, EXCLUDING STORMWATER FACILITIES, SHALL HAVE 3" DEP DARK HEMLOCK BARK MULCH (MEDIUM GRIND OR SHREDDED). DO NOT COVER FOLIAGE OR ROOT CROWNS OF PLANTS WITH BARK MULCH. TREES AND OTHER PLANTS SHALL BE SET TO A DEPTH TO ACCOMMODATE MULCH APPLICATION WITHOUT BURYING ROOT CROWNS. MULCHING WITHIN THE STORMWATER FACILITY SHALL COMPLY WITH CITY OF NEWBERG REQUIREMENTS AND STANDARDS.
9. MAINTENANCE: ALL LANDSCAPE AREAS SHALL BE MAINTAINED FOR THE DURATION OF THE PLANTING TO ENCOURAGE HEALTH OF PLANT MATERIAL AS WELL AS PUBLIC HEALTH AND SAFETY AND TO PRESENT A CLEAN AND ORDERLY APPEARANCE. ALL TREES AND SHRUBS SHALL BE PRUNED TO MAINTAIN HEALTH AND STRUCTURE OF THE PLANT MATERIAL FOR PUBLIC SAFETY PURPOSES. IN ADDITION, CLEAR SITE AREA SHALL BE MAINTAINED TO PROVIDE A CONTINUOUS, UNOBSTRUCTED VIEW BETWEEN 3.5 FEET AND 7.6 FEET ABOVE THE STREET PAVEMENT (CITY OF NEWBERG PUBLIC WORKS DESIGN AND CONSTRUCTION STANDARDS – 2015, SECTION 5.23.I).

PRELIMINARY PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE/CONTAINER	SPACING
	6	LIQUIDAMBAR STYRACIFLUA 'SLENDER SILHOUETTE'	SLENDER SILHOUETTE SWEET GUM	1.5" MIN. CAL. B&B / 8' MIN. HT.	AS SHOWN
	9	QUERCUS COCCINEA	SCARLET OAK	2" CAL. B&B	AS SHOWN
	4	STYRAX JAPONICUS	JAPANESE SNOWBELL	1.5" MIN. CAL. B&B / 8' MIN. HT.	AS SHOWN
	11	ZELKOVA SERRATA 'GREEN VASE'	GREEN VASE ZELKOVA	2" CAL. B&B	AS SHOWN

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE/CONTAINER	SPACING
	91	BERBERIS THUNBERGII 'CRIMSON PYGMY'	CRIMSON PYGMY BARBERRY	2 GAL CONT.	36" o.c.
	17	CUPRESSUS SEMPERVIRENS 'MONSHEL' TM	TINY TOWERS ITALIAN CYPRESS	5'-6' HT. B&B	36" o.c.
	32	EUONYMUS FORTUNEI 'EMERALD GAIETY' TM	EMERALD GAIETY EUONYMUS	1 GAL CONT.	36" o.c.
	144	HELICTOTRICHON SEMPERVIRENS	BLUE OAT GRASS	1 GAL CONT.	30" o.c.
	19	HYDRANGEA QUERCIFOLIA 'RUBY SLIPPERS'	RUBY SLIPPERS HYDRANGEA	5 GAL CONT.	48" o.c.
	35	OSMANTHUS HETEROPHYLLUS 'GOSHIKI'	GOSHIKI OSMANTHUS	3 GAL CONT.	48" o.c.
	12	PHYSOCARPUS OPULIFOLIUS 'CENTER GLOW'	CENTER GLOW NINEBARK	3 GAL CONT.	72" o.c.
	14	PINUS MUGO 'PUMILIO'	DWARF MUGO PINE	3 GAL CONT.	48" o.c.
	177	PRUNUS LAUROCERASUS 'OTTO LUYKEN'	OTTO LUYKEN LAUREL	2 GAL CONT.	48" o.c.
	11	THUJA OCCIDENTALIS 'SMARAGD'	EMERALD GREEN ARBORVITAE	4' HT. B&B	36" o.c.

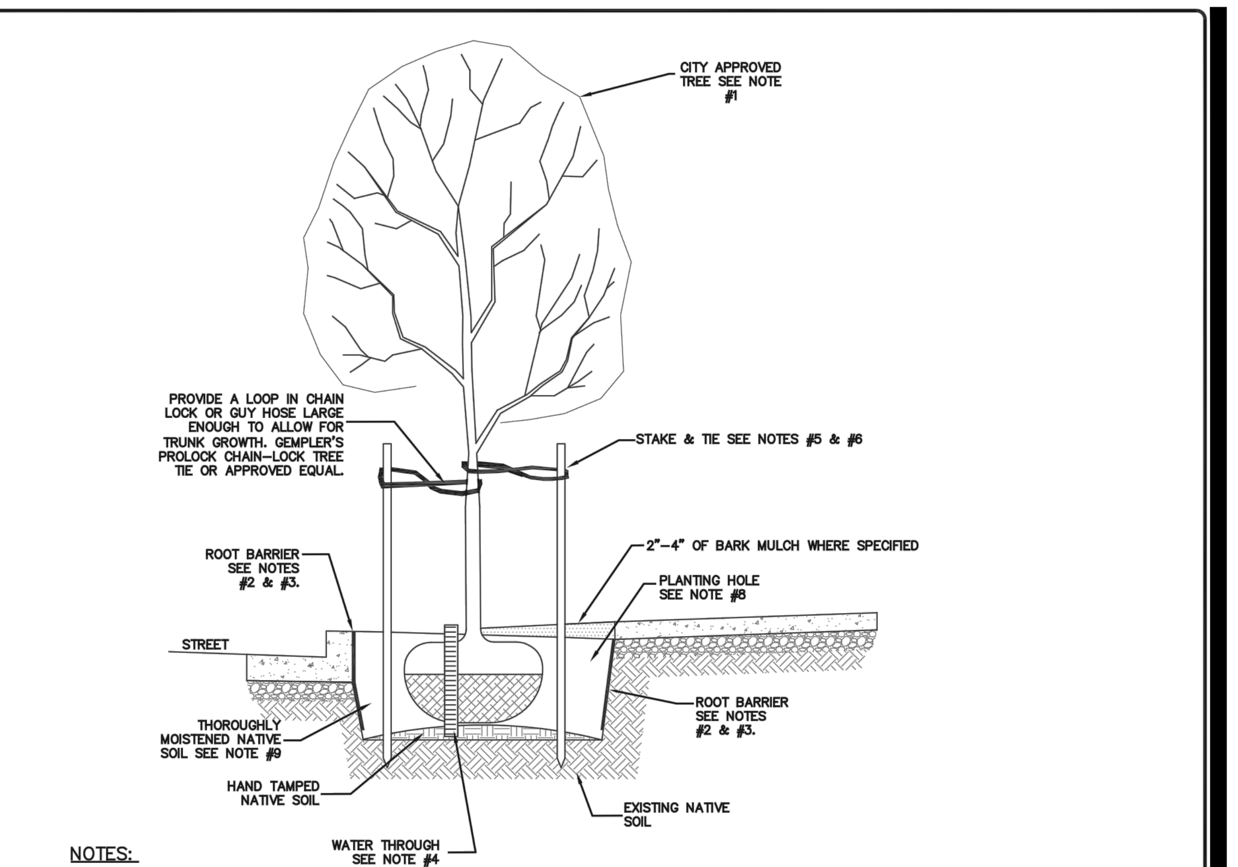
GROUND COVERS	QTY	DESCRIPTION			SPACING
	827	AJUGA REPTANS 'BURGUNDY GLOW'	BURGUNDY GLOW BUGLEWEED	4" POTS	18" o.c.
	± 8,347 SF	LAWN: NORTHWEST SUPREME LAWN SEED MIX FROM SUNMARK SEEDS (OR APPROVED EQUAL); DASHER 3 PERENNIAL RYEGRASS (35%); CUTTER II PERENNIAL RYEGRASS (35%); GARNET CREEPING RED FESCUE (15%); WINDWARD CHEWINGS FESCUE (15%) APPLY AT A RATE OF 8 LBS./1,000 SF OR AS RECOMMENDED PER SUPPLIER.			
	± 4,811 SF	RAIN GARDEN STORMWATER FACILITY, PLANTED TO CITY OF NEWBERG STANDARDS			

SITE LANDSCAPE DATA:

SITE AREA: ±1.53 ACRES (±66,766 SF)
LANDSCAPE AREA REQUIRED: ±10,015 SF (15%)
LANDSCAPING AREA PROVIDED: ±21,368 SF (INCLUDING STORMWATER PLANTERS)

PARKING LOT TREES REQUIRED: 68 SPACES / 7 SPACES = 10 TREES
PARKING LOT TREES PROVIDED: 13 TREES

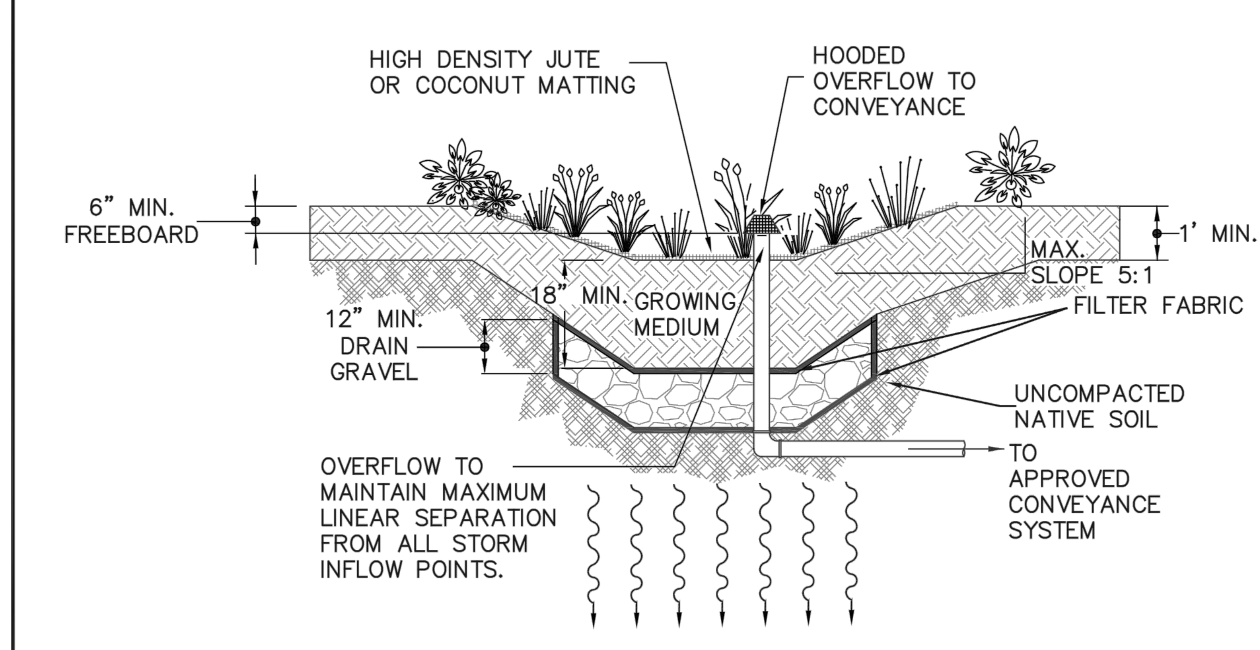
PARKING LOT LANDSCAPING REQUIRED: 68 SPACES X 25 SF = 1,700 SF
PARKING LOT LANDSCAPING PROVIDED: ±4,528 SF



NOTES:

1. REFER TO THE CITY PLANNING DEPARTMENT APPROVED STREET TREE PLANTING LIST.
2. ROOT BARRIER REQUIRED WHEN HARDSCAPE OR STRUCTURE IS LOCATED WITHIN A 6' RADIUS FROM CENTER OF TREE. ROOT BARRIER TO BE 18" DEEP AND SHALL BE INSTALLED ALONG ALL BOUNDARIES WITH HARDSCAPE e.g. SIDEWALK & CURB.
3. LINEAR OR CIRCULAR APPLICATION OF ROOT BARRIER PERMITTED. ROOT BARRIER TO EXTENT AT MINIMUM 24" PAST CENTER OF TREE IN ALL DIRECTIONS OR HAVE A MINIMUM RADIUS OF 24" FOR CIRCULAR APPLICATION. USE CENTURY CP-SERIES ROOTBARRIER PANELS WITH INTERLOCKING JOINTS OR NDS RP SERIES ROOT BARRIER PANELS WITH INTERLOCKING JOINTS. ALL ROOT BARRIER INSTALLATIONS SHALL BE IN CONFORMANCE WITH MANUFACTURERS RECOMENDATIONS.
4. OPPOSITE TREE STAKES, PROVIDE TWO, 3" DIAMETER HDPE PERFORATED PIPE WATERING THROUGHS, FILLED WITH CLEAN PEA GRAVEL.
5. REMOVE NURSERY STAKES & INSTALL 2" DIAMETER TREATED STAKES, SET OUTSIDE ROOTBALL AND DRIVE A MINIMUM OF 12" INTO UNDISTURBED SOIL BELOW PLANTING HOLE. TRIM STAKE 6" ABOVE HIGHEST TREE TIE TO AVOID INTERFENCE WITH CANOPY.
6. FLEXIBLE NON-ABRASIVE TREE TIE SECURED TO STAKE WITH A NAIL. PLACE TIES 6" ABOVE THE LOWEST POINT ON THE TRUNK WHERE IT CAN BE HELD SUCH THAT THE TOP OF THE TREE SPRINGS BACK TO THE UPRIGHT POSITION WHEN BENT OR DEFLECTED.
7. SET CROWN OF ROOTBALL 1-½" ABOVE FINISHED GRADE.
8. PLANTING HOLE TO BE TWICE THE DIAMETER OF ROOTBALL, WITH ROOTBALL RESTING ON FIRM SOIL. SCARIFY SIDES OF PLANTING HOLE.
9. BACKFILL WITH A MIXTURE OF ⅔ NATIVE SOIL AN ⅓ ORGANIC COMPOST. AREAS WITH POOR OR HEAVILY COMPACTED SOIL MAY REQUIRE ADDITIONAL AMENDMENT.

City of Newberg PUBLIC WORKS ENGINEERING DIVISION 414 E. FIRST STREET NEWBERG, OR 97132 PHONE: 503-537-1240 FAX: 503-537-1277	REVISIONS: MAY 2014	STREET TREE & ROOT BARRIER	SCALE: N.T.S. DATE: MARCH 2014 APPROVED BY: JAY H. STANDARD DRAWING 108



NOTES:

1. PROVIDE OVERFLOW CONVEYANCE SYSTEM, OVERFLOW CONVEYANCE HEIGHT TO ALLOW 6" MAXIMUM PONDING, PIPING TO A MINIMUM OF THE PLUMBING CODE OR CONVEY THE 25 YEAR STORM.
2. FLOW DISSIPATORS SHOULD BE USED IF ENTRY SLOPE TO THE BASIN IS GREATER THAN 5:1.
3. SEPARATION BETWEEN DRAIN GRAVEL AND GROWING MEDIUM SHALL BE PERMEABLE FILTER FABRIC.
4. TREATMENT AREA SHALL HAVE HIGH DENSITY JUTE OR COCONUT MATTING OVER 18" MINIMUM OF GROWING MEDIUM OR BASE STABILIZATION METHOD AS APPROVED BY THE CITY.
5. REFER TO APPENDIX A OF THE STANDARDS DESIGN MANUAL FOR PLANTING REQUIREMENTS.
6. TOP OF BANK OF FACILITY MUST BE LOCATED 10' FROM ANY STRUCTURE AND 3' FROM ADJACENT PROPERTY LINES.

City of Newberg PUBLIC WORKS ENGINEERING DIVISION 414 E. FIRST STREET NEWBERG, OR 97132 PHONE: 503-537-1240 FAX: 503-537-1277	REVISIONS:	RAIN GARDEN	SCALE: N.T.S. DATE: MARCH 2014 APPROVED BY: JAY H. STANDARD DRAWING 457

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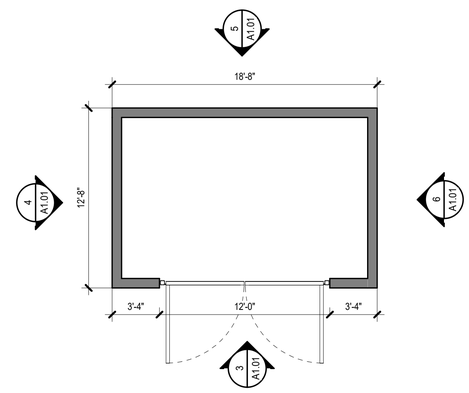
PRELIMINARY LANDSCAPE PLAN
HEALTH OCCUPATIONS BUILDING
GEORGE FOX UNIVERSITY
NEWBERG | OREGON

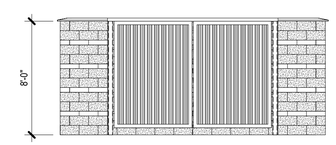
REGISTERED LANDSCAPE ARCHITECT · KIRSTI A. HAUSWALD · OREGON · 06-16-13
PRELIMINARY NOT FOR CONSTRUCTION

JOB NUMBER:	5016
DATE:	06/10/2019
DESIGNED BY:	NKP
DRAWN BY:	NKP
CHECKED BY:	KAH

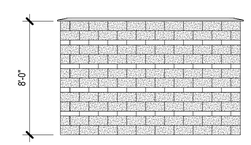
PO-07



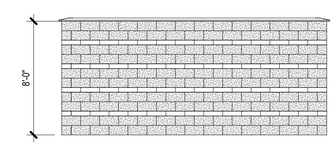
2 TRASH ENCLOSURE
3/16" = 1'-0"



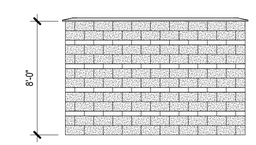
3 WEST
3/16" = 1'-0"



4 NORTH
3/16" = 1'-0"



5 EAST
3/16" = 1'-0"



6 SOUTH
3/16" = 1'-0"

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TRASH ENCLOSURE
HEALTH OCCUPATIONS BUILDING
GEORGE FOX UNIVERSITY
NEWBERG | OREGON

JOB NUMBER: 19019
DATE: 05/13/2019
DESIGNED BY:
DRAWN BY:
CHECKED BY:

A1.01

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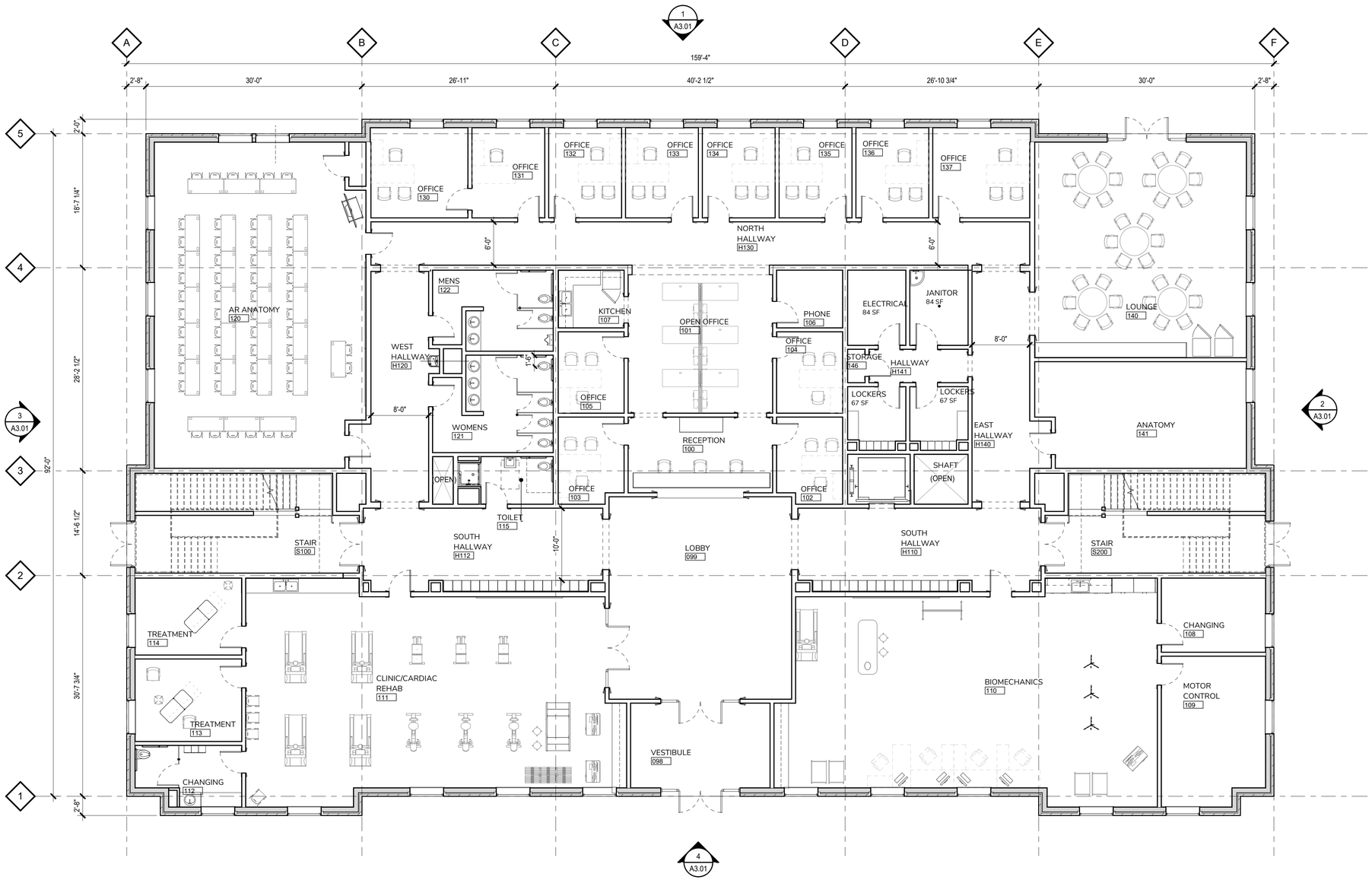

1 FLOOR PLAN - LEVEL 1

1/8" = 1'-0"

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FLOOR PLAN - LEVEL 1
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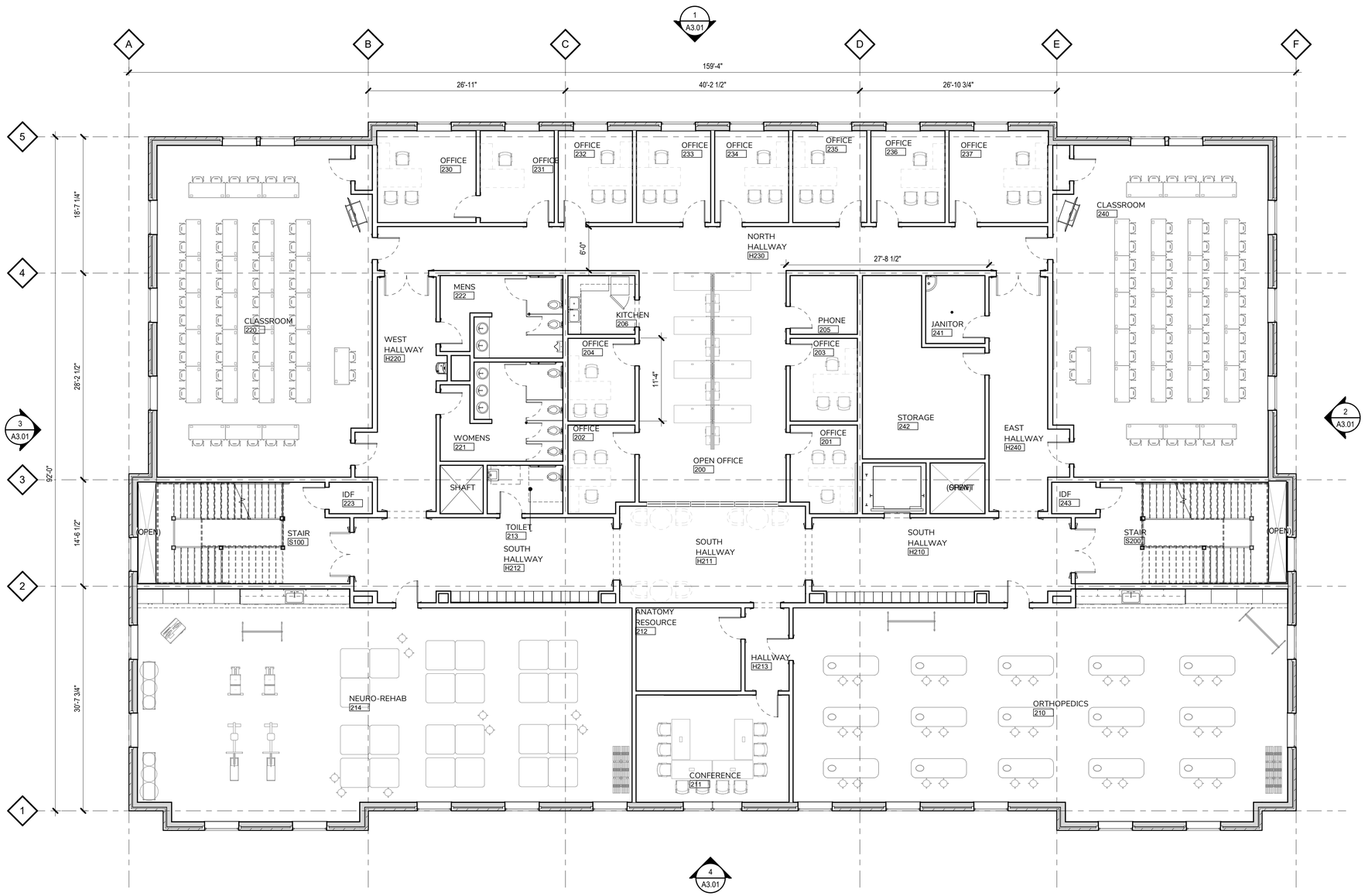

1 FLOOR PLAN - LEVEL 2

1/8" = 1'-0"

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FLOOR PLAN - LEVEL 2
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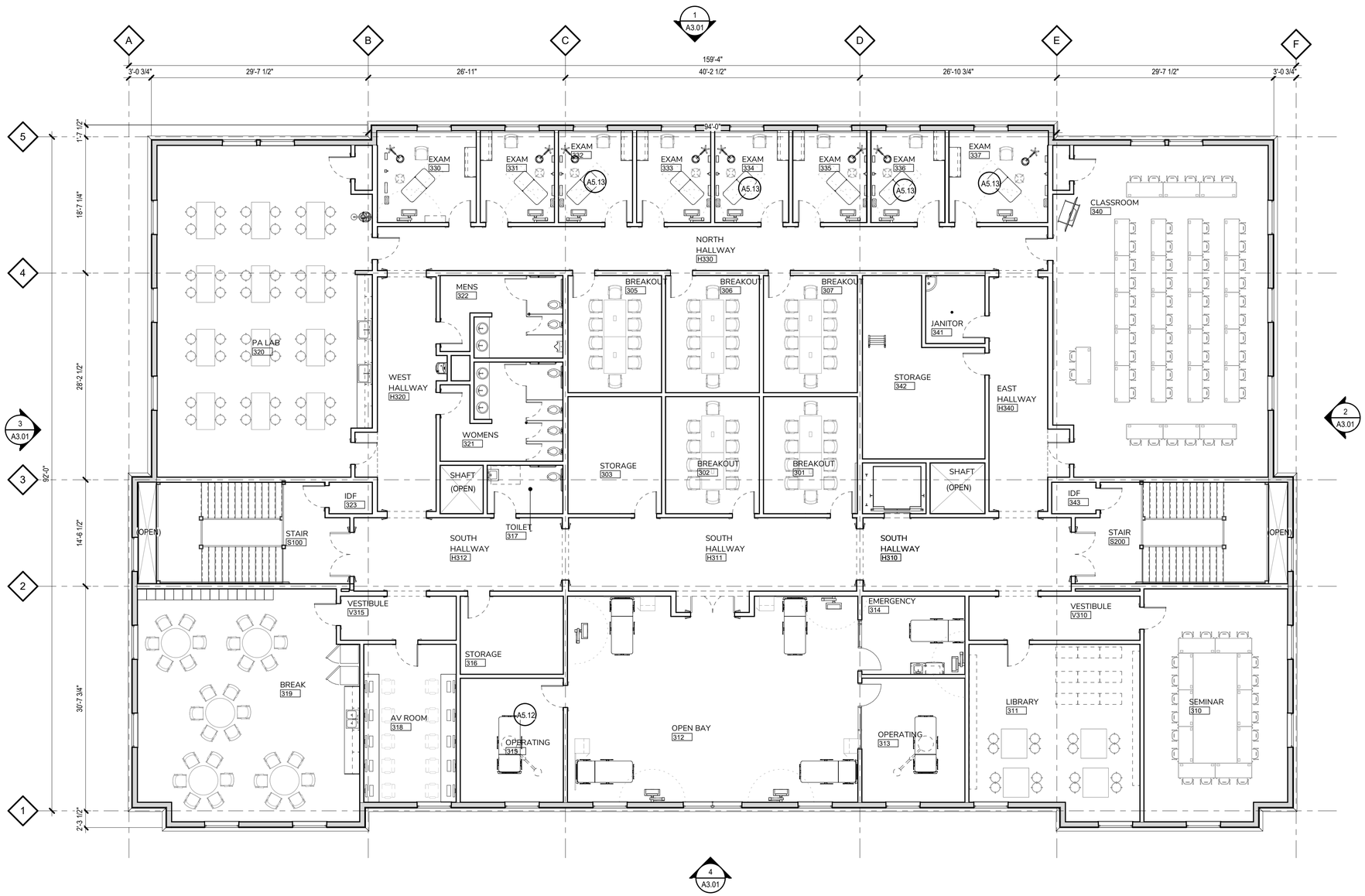

1 FLOOR PLAN - LEVEL 3

1/8" = 1'-0"

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FLOOR PLAN - LEVEL 3
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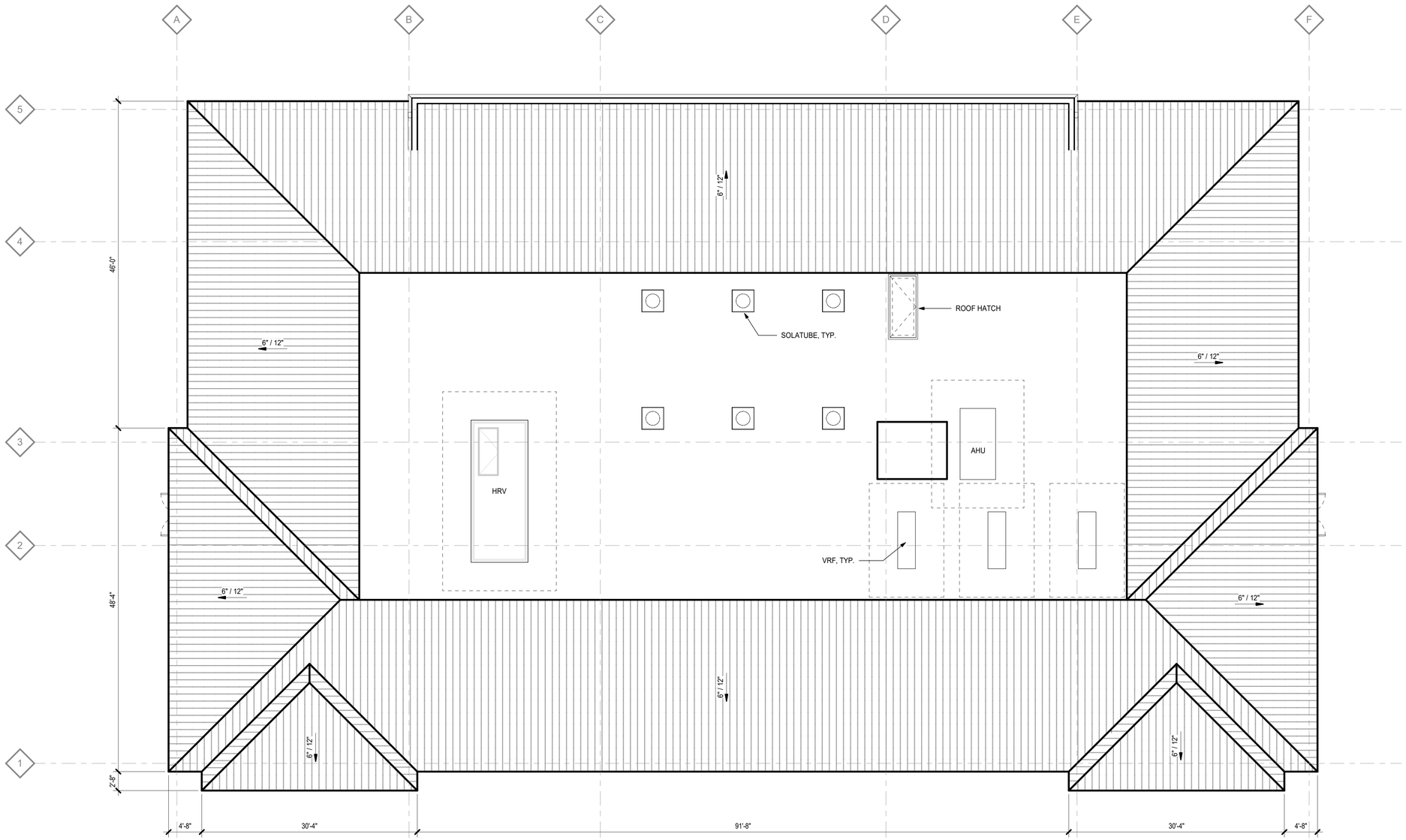

1 ROOF PLAN

1/8" = 1'-0"

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ROOF PLAN
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1 NORTH ELEVATION

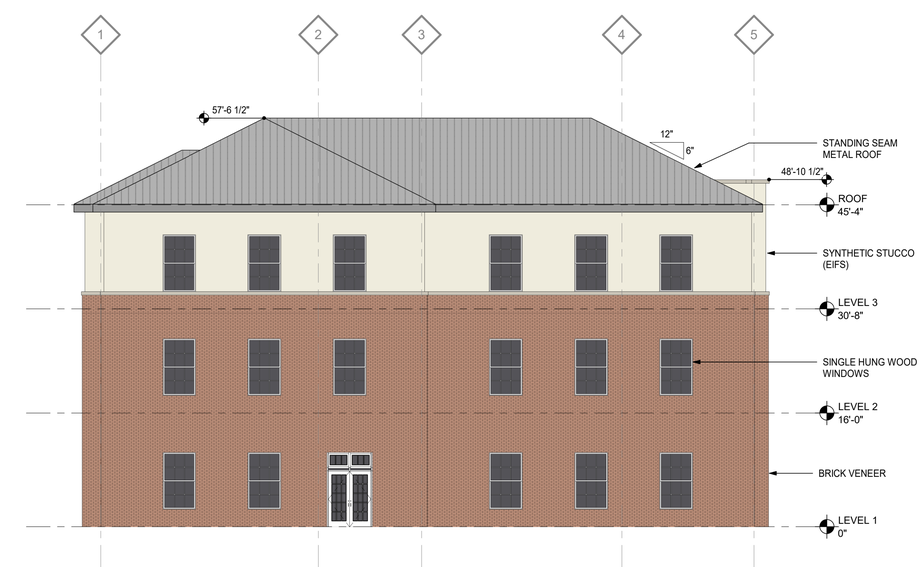
3/32" = 1'-0"

3 WEST ELEVATION

3/32" = 1'-0"

4 SOUTH ELEVATION

3/32" = 1'-0"



2 EAST ELEVATION

3/32" = 1'-0"

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EXTERIOR ELEVATIONS
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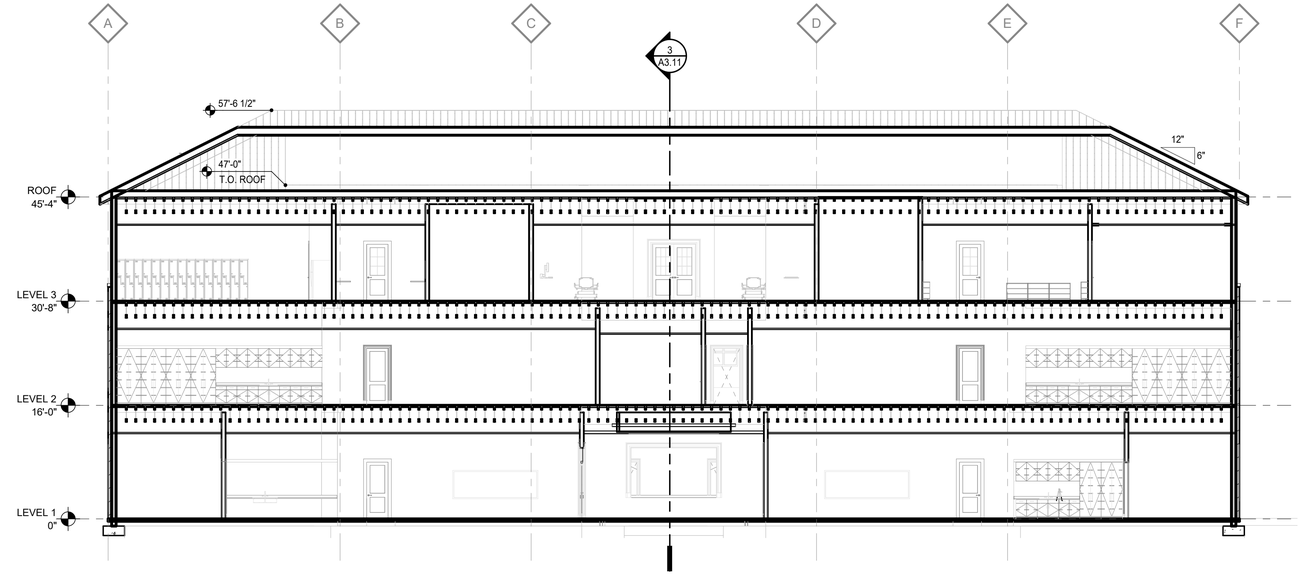
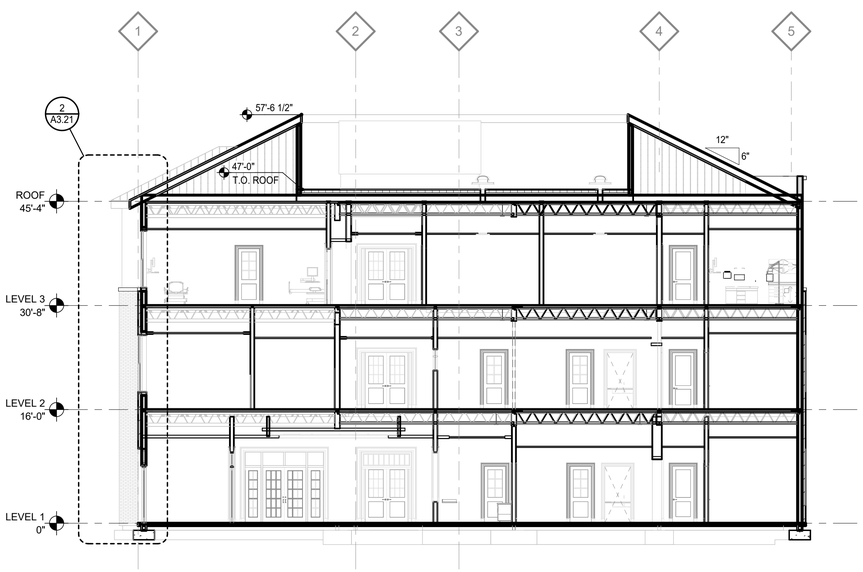
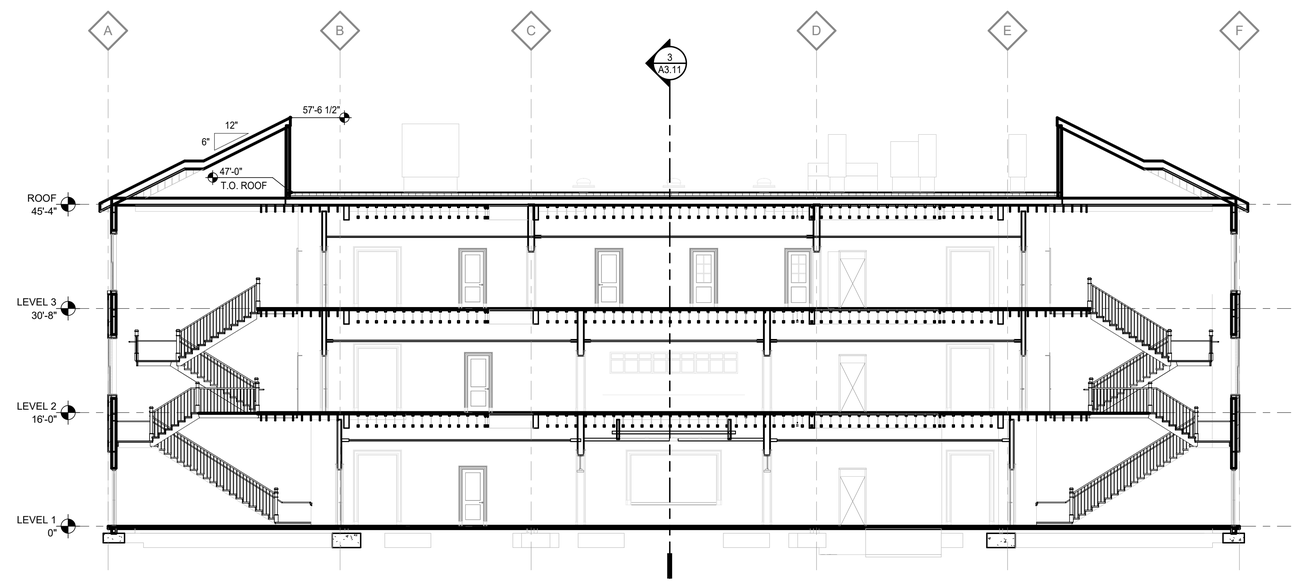
1 BUILDING SECTION
3/32" = 1'-0"



2 BUILDING SECTION
3/32" = 1'-0"



3 BUILDING SECTION
3/32" = 1'-0"



4 BUILDING SECTION
3/32" = 1'-0"

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BUILDING SECTIONS
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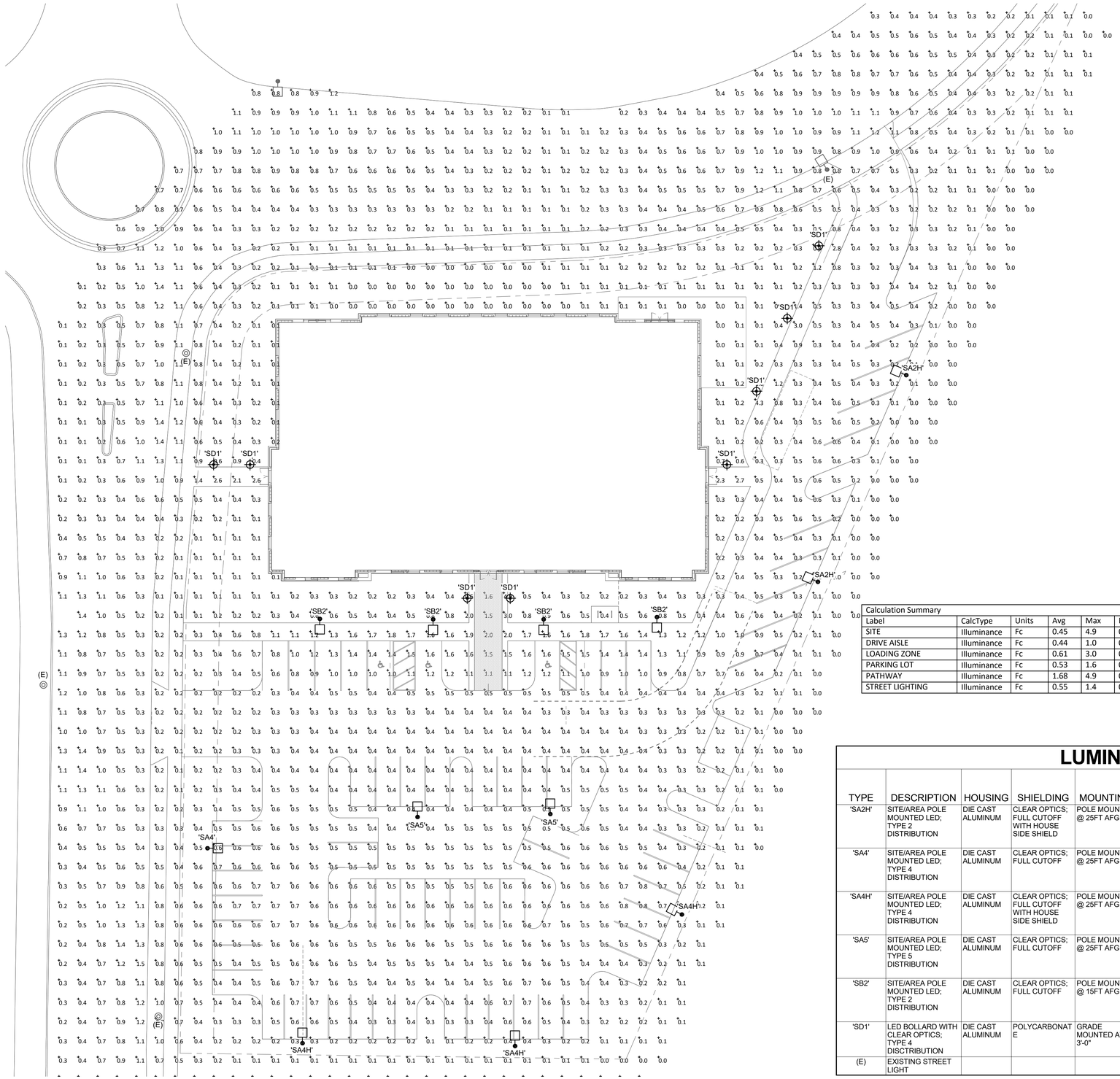

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE	Illuminance	Fc	0.45	4.9	0.0	N.A.	N.A.
DRIVE AISLE	Illuminance	Fc	0.44	1.0	0.2	2.20	5.00
LOADING ZONE	Illuminance	Fc	0.61	3.0	0.2	3.05	15.00
PARKING LOT	Illuminance	Fc	0.53	1.6	0.1	5.30	16.00
PATHWAY	Illuminance	Fc	1.68	4.9	0.6	2.80	8.17
STREET LIGHTING	Illuminance	Fc	0.55	1.4	0.1	5.50	14.00

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	HOUSING	SHIELDING	MOUNTING	FINISH	UL/IP RATING	DRIVER/ POWER SUPPLY	LIGHT SOURCE	INPUT WATTS	MFG/CATALOG #	NOTES
'SA2H'	SITE/AREA POLE MOUNTED LED; TYPE 2 DISTRIBUTION	DIE CAST ALUMINUM	CLEAR OPTICS; FULL CUTOFF WITH HOUSE SIDE SHIELD	POLE MOUNTED @ 25FT AFG	TBD	IP66	INTEGRAL DRIVER	1547 NOMINAL LUMENS; 3000K LED; >80CRI	25.0	INVUE VXS SERIES	
'SA4'	SITE/AREA POLE MOUNTED LED; TYPE 4 DISTRIBUTION	DIE CAST ALUMINUM	CLEAR OPTICS; FULL CUTOFF	POLE MOUNTED @ 25FT AFG	TBD	IP66	INTEGRAL DRIVER	2551 NOMINAL LUMENS; 3000K LED; >80CRI	25.0	INVUE VXS SERIES	
'SA4H'	SITE/AREA POLE MOUNTED LED; TYPE 4 DISTRIBUTION	DIE CAST ALUMINUM	CLEAR OPTICS; FULL CUTOFF WITH HOUSE SIDE SHIELD	POLE MOUNTED @ 25FT AFG	TBD	IP66	INTEGRAL DRIVER	1717 NOMINAL LUMENS; 3000K LED; >80CRI	25.0	INVUE VXS SERIES	
'SA5'	SITE/AREA POLE MOUNTED LED; TYPE 5 DISTRIBUTION	DIE CAST ALUMINUM	CLEAR OPTICS; FULL CUTOFF	POLE MOUNTED @ 25FT AFG	TBD	IP66	INTEGRAL DRIVER	2687 NOMINAL LUMENS; 3000K LED; >80CRI	25.0	INVUE VXS SERIES	
'SB2'	SITE/AREA POLE MOUNTED LED; TYPE 2 DISTRIBUTION	DIE CAST ALUMINUM	CLEAR OPTICS; FULL CUTOFF	POLE MOUNTED @ 15FT AFG	TBD	IP66	INTEGRAL DRIVER	3354 NOMINAL LUMENS; 3000K LED; >80CRI	34.0	MCGRAW-EDISON GALLEON PEDESTRIAN SERIES	600mA CURRENT; FACTORY TO SET DRIVER TO SPECIFIED LUMEN OUTPUT
'SD1'	LED BOLLARD WITH CLEAR OPTICS; TYPE 4 DISCTRIBUTION	DIE CAST ALUMINUM	POLYCARBONATE	GRADE MOUNTED AT 3'-0"	TBD	IP66	INTEGRAL DRIVER	475 NOMINAL LUMENS; 3000K LED; >80CRI	12.0	WE-EF KTY234 LED SERIES	
(E)	EXISTING STREET LIGHT										

1 SITE ELECTRICAL PLAN - OVERALL SITE

0' 20' 40'

1" = 20'-0"

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INTERFACE ENGINEERING

PROJECT 2019-0099
CONTACT David Chesley
100 SW Main St. Suite 1600
Portland, OR 97204
TEL 503.382.2266
www.interfaceengineering.com

SITE PLAN - ELECTRICAL
HEALTH OCCUPATIONS BUILDING
GEORGE FOX UNIVERSITY
NEWBERG | OREGON

REGISTERED PROFESSIONAL ENGINEER 52190PE OREGON JULY 9, 1998 DAVID HERMAN CHESLEY

PRELIMINARY

EXPIRES: 12/31/19

JOB NUMBER: 19019
DATE: Issue Date
DESIGNED BY:
DRAWN BY:
CHECKED BY:

E1.01

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