

SHEET TITLE

EXISTING CONDITIONS

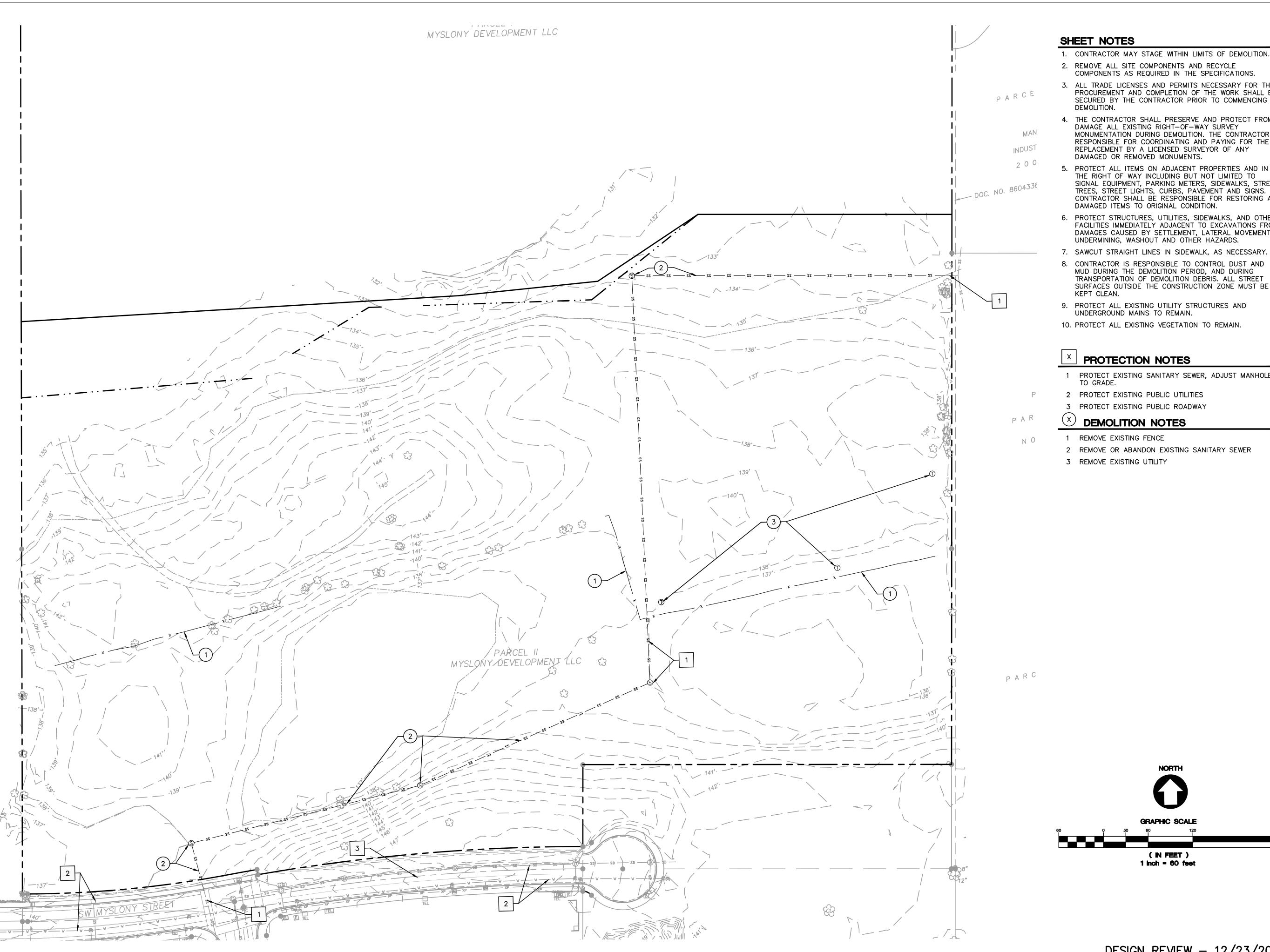
ENGINEERING
th Drive I Suite 100 I Beaverton, OR I 97005
tell 503,620.5539 fax I www.aaieng.com

08/02/2021 CHECKED: CNH

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SHEET NUMBER



1. CONTRACTOR MAY STAGE WITHIN LIMITS OF DEMOLITION.

- 2. REMOVE ALL SITE COMPONENTS AND RECYCLE COMPONENTS AS REQUIRED IN THE SPECIFICATIONS.
- 3. ALL TRADE LICENSES AND PERMITS NECESSARY FOR THE PROCUREMENT AND COMPLETION OF THE WORK SHALL BE SECURED BY THE CONTRACTOR PRIOR TO COMMENCING
- 4. THE CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL EXISTING RIGHT-OF-WAY SURVEY MONUMENTATION DURING DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT BY A LICENSED SURVEYOR OF ANY DAMAGED OR REMOVED MONUMENTS.
- 5. PROTECT ALL ITEMS ON ADJACENT PROPERTIES AND IN THE RIGHT OF WAY INCLUDING BUT NOT LIMITED TO SIGNAL EQUIPMENT, PARKING METERS, SIDEWALKS, STREET TREES, STREET LIGHTS, CURBS, PAVEMENT AND SIGNS. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY DAMAGED ITEMS TO ORIGINAL CONDITION.
- 6. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, AND OTHER FACILITIES IMMEDIATELY ADJACENT TO EXCAVATIONS FROM DAMAGES CAUSED BY SETTLEMENT, LATERAL MOVEMENT,
- UNDERMINING, WASHOUT AND OTHER HAZARDS.
- 8. CONTRACTOR IS RESPONSIBLE TO CONTROL DUST AND MUD DURING THE DEMOLITION PERIOD, AND DURING TRANSPORTATION OF DEMOLITION DEBRIS. ALL STREET SURFACES OUTSIDE THE CONSTRUCTION ZONE MUST BE
- 9. PROTECT ALL EXISTING UTILITY STRUCTURES AND UNDERGROUND MAINS TO REMAIN.
- 10. PROTECT ALL EXISTING VEGETATION TO REMAIN.

PROTECTION NOTES

- 1 PROTECT EXISTING SANITARY SEWER, ADJUST MANHOLES TO GRADE.
- 2 PROTECT EXISTING PUBLIC UTILITIES
- 3 PROTECT EXISTING PUBLIC ROADWAY

DEMOLITION NOTES

- 1 REMOVE EXISTING FENCE
- 2 REMOVE OR ABANDON EXISTING SANITARY SEWER
- 3 REMOVE EXISTING UTILITY

EXPIRES: 6/30/2023

LEERIN (Beaverton, OR | 970

SHEET TITLE DEMOLITION PLAN

08/02/2021 DRAWN: CHECKED: **REVISIONS:**

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C0.3

JOB NUMBER: A20120.10

DESIGN REVIEW - 12/23/2021

(IN FEET)
1 inch = 60 feet

SHEET NOTES

- 1. SEE ARCHITECTURAL PLANS FOR ADDITIONAL SITE INFORMATION.
- 2. THE CONTRACTOR SHALL HAVE A FULL SET OF THE CURRENT APPROVED CONSTRUCTION DOCUMENTS INCLUDING ADDENDA ON THE PROJECT SITE AT ALL TIMES.
- THE CONTRACTOR SHALL KEEP THE ENGINEER AND JURISDICTION INFORMED OF CONSTRUCTION PROGRESS TO FACILITATE SITE OBSERVATIONS AT REQUIRED INTERVALS. 24—HOUR NOTICE IS REQUIRED.

CONSTRUCTION NOTES

- 1 INSTALL CONCRETE TRUCK DRIVING SURFACE
- 2 INSTALL ASPHALT SURFACING
- 3 INSTALL STRIPING. SEE ARCHITECTURAL PLANS.
- 4 INSTALL CURB
- 5 INSTALL STAIRS. SEE ARCHITECTURAL PLANS.
- 6 INSTALL TRASH ENCLOSURE. SEE ARCHITECTURAL PLANS.
- 7 INSTALL BICYCLE PARKING. SEE ARCHITECTURAL PLANS.
- 8 INSTALL SIDEWALK
- 9 INSTALL WALL
- 10 INSTALL ADA PARKING
- 11 INSTALL ADA CURB RAMP

LEGEND

PROPERTY LINE

CONCRETE SURFACING

ASPHALT SURFACING

SHEET TITLE

SITE PLAN

EXPIRES: 6/30/2023

08/02/2021 DATE: DRAWN: CHECKED:

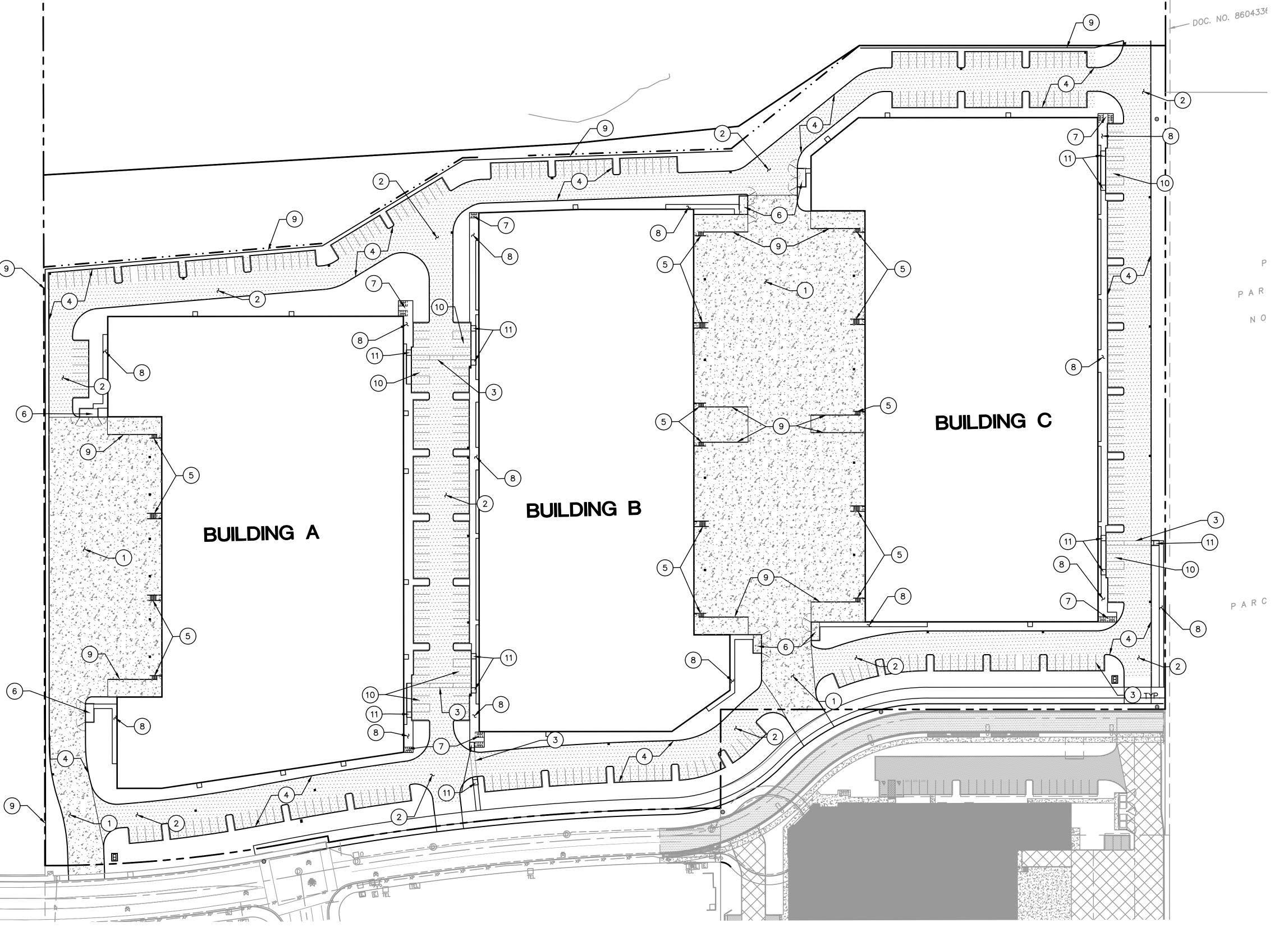
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JOB NUMBER: A20120.10

DESIGN REVIEW - 12/23/2021

(IN FEET)
1 inch = 60 feet



SHEET NOTES

- 1. CURB HEIGHTS ARE 6" UNLESS NOTED OTHERWISE.
- 2. LANDINGS ON ACCESSIBLE ROUTES SHALL NOT EXCEED 2% IN ANY DIRECTION.
- 3. ALL ACCESSIBLE ROUTES SHALL COMPLY WITH CURRENT ADA ACCESSIBILITY GUIDELINES FOR BUILDING AND
- FACILITIES (ADAAG). 4. ALL WALKWAYS FROM ACCESSIBLE UNITS ARE DESIGNED TO NOT REQUIRE HANDRAILS. THEREFORE, RAMPS WITH
- SLOPES STEEPER THAN 5.0% AND LESS THAN 8.33% SHALL NOT EXCEED 0.5' RISE OR 6.0' LENGTH.
- 5. FINISH GRADES ARE TO BE BROUGHT TO WITHIN 0.08 FT IN 10 FT OF THE GRADES SHOWN AT SUBGRADE AND TO WITHIN 0.03 FT IN 10 FT AT FINISH GRADE. CONTRACTOR TO ALLOW FOR PLACEMENT OF REQUIRED TOPSOIL IN ROUGH GRADING.
- 6. GRADING ELEVATIONS AS SHOWN ON SITE AND LANDSCAPE PLANS ARE FINISHED GRADE WHICH INCLUDES SUBGRADE SOIL, TOPSOIL, SOIL AMENDMENTS, ROCKERY AND RUNOFF PROTECTION CONTRACTOR IS RESPONSIBLE TO COORDINATE GRADING WITH BOTH EXCAVATOR AND LANDSCAPE CONTRACTOR.

GRADING LABEL LEGEND

<u>CALLOUT</u> **DESCRIPTION** - SPOT ELEVATION XX.XX XX — DESCRIPTION LISTED BELOW. **BOTTOM OF STAIRS** FINISHED GRADE AT BOTTOM OF WALL DOOR SILL FINISHED FLOOR ELEVATION FINISH GRADE GROUND SIDEWALK TOP OF CURB TOP OF PAVEMENT TOP OF STAIRS

LEGEND

EXISTING CONTOUR MINOR EXISTING CONTOUR MAJOR PROPOSED CONTOUR MINOR

FINISHED GRADE AT TOP OF WALL



GRAPHIC SCALE

(IN FEET)
1 inch = 60 feet

EXPIRES: 6/30/2023

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SHEET TITLE

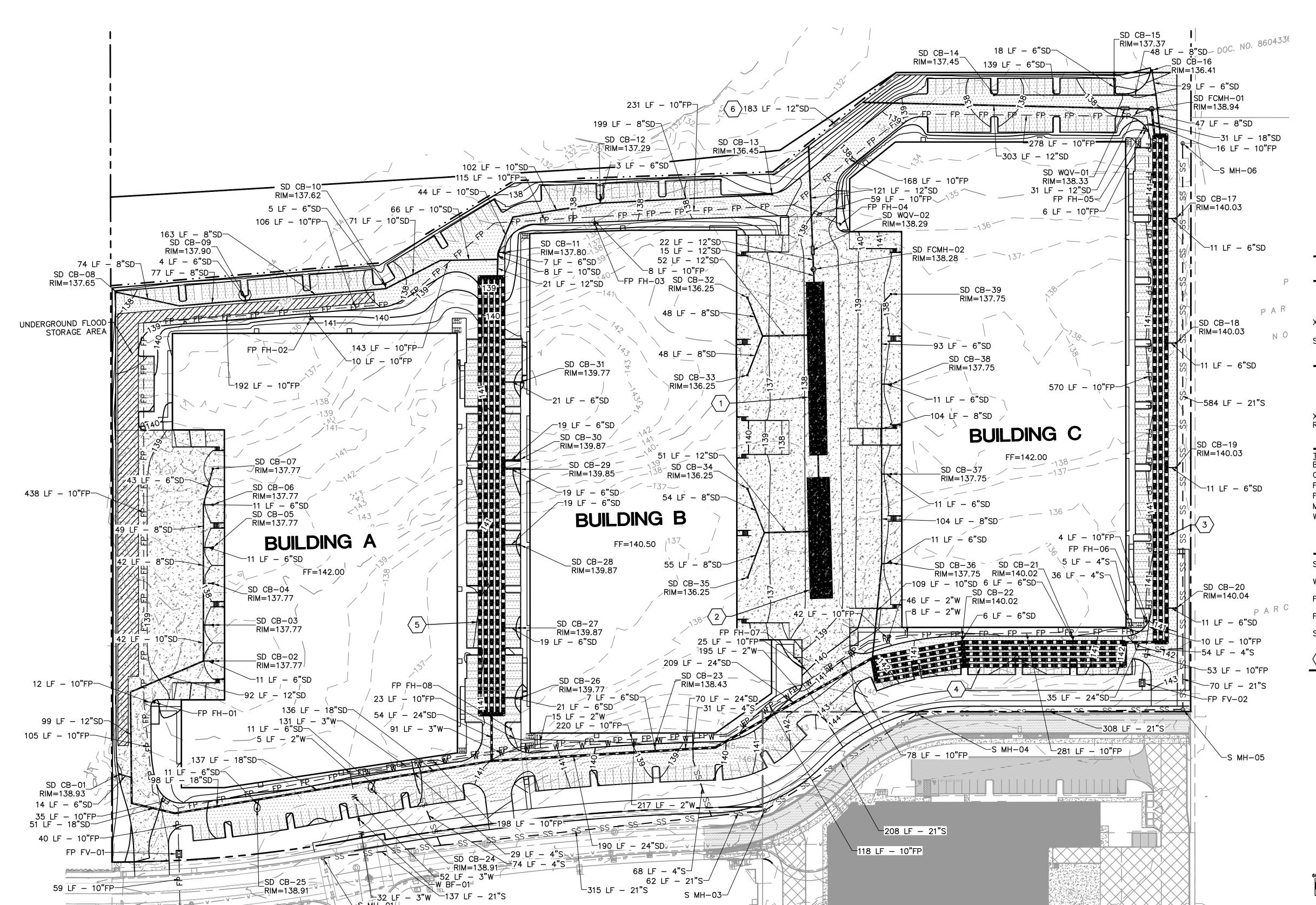
GRADING PLAN

DATE: 08/02/2021 DRAWN: CNH CHECKED: **REVISIONS:**

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SHEET NOTES

- 1. ALL SANITARY PIPING SHALL BE PVC 3034 OR APPROVED EQUAL UNLESS NOTED OTHERWISE.
- 2. THIS PLAN IS GENERALLY DIAGRAMMATIC. IT DOES NOT SHOW EVERY JOINT, BEND, FITTING, OR ACCESSORY REQUIRED FOR CONSTRUCTION.
- 3. CLEAN OUTS SHALL BE INSTALLED IN CONFORMANCE WITH UPC CHAPTER SEVEN, SECTION 707 AND SECTION 719. THIS PLAN MAY NOT SHOW ALL REQUIRED CLEAN OUTS.
- 4. DOMESTIC WATER AND FIRE LINES AND ACCESSORIES BETWEEN THE WATER METER AND THE BUILDING SHALL BE INSTALLED BY A LICENSED PLUMBER EMPLOYED BY A LICENSED PLUMBING CONTRACTOR.
- 5. UTILITIES WITHIN FIVE FEET OF A BUILDING SHALL BE CONSTRUCTED OF MATERIALS APPROVED FOR INTERIOR USE AS DESCRIBED IN THE CURRENT EDITION OF THE UPC.
- 6. INLETS AND OUTLETS TO ON-SITE MANHOLES SHALL HAVE FLEXIBLE CONNECTION NO CLOSER THAN 12" AND NO FARTHER THAN 36" FROM THE MANHOLE.
- 7. CONTRACTOR TO VERIFY SANITARY AND WATER SIZING AND INVERTS WITH APPROVED PLUMBING PLANS PRIOR TO ORDERING MATERIALS OR BEGINNING CONSTRUCTION OF SAID UTILITIES.
- 8. ALL STORM AND SANITARY FITTINGS TO BE ECCENTRIC FITTINGS UNLESS OTHERWISE NOTED.

LABEL LEGEND

PIPE LABELS

— UTILITY LENGTH — UTILITY SIZE

XXLF − XX" XX - UTILITY TYPE

S=X.XX% → SLOPE (WHERE APPLICABLE)

STRUCTURE LABELS

- UTILITY TYPE (FP=FIRE PROTECTION, S=SANITARY, SD=STORM DRAINAGE, W=WATER) - STRUCTURE TYPE (SEE BELOW)

XX XX-XX - ID NUMBER (WHERE APPLICABLE) RIM=XX.XX --- STRUCTURE INFO (WHERE APPLICABLE)

STRUCTURE TYPES

REDUCED PRESSURE BACKFLOW PREVENTION DEVICE

CATCH BASIN FLOW CONTROL MANHOLE

FIRE VAULT

MANHOLE

WATER QUALITY VAULT

LEGEND

SANITARY SEWER LINE WATER LINE FIRE LINE

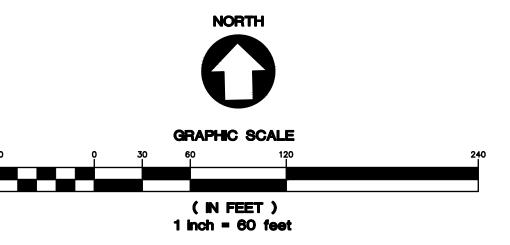
FDC LINE

STORM LINE

STORM NOTES

- 1 INSTALL 800 LF 49X33 ARCH CMP DETENTION. IE=134.00.
- 2 INSTALL 700 LF 49X33 ARCH CMP DETENTION. IE=134.00.
- 3 INSTALL 1750 LF 52" CMP DETENTION. IE=134.00.
- 4 INSTALL 1500 LF 52" CMP DETENTION. IE=134.00.
- 5 INSTALL 2500 LF 52" CMP DETENTION. IE=134.00.
- 6 INSTALL PERFORATED PIPE IN 2'X'2 DRAIN ROCK. BOTTOM

OF ROCK=132.50.





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ENGINI
fith Drive | Suite 100 |

SHEET TITLE

UTILITY PLAN

DATE: 08/02/2021 DRAWN:

CNH CHECKED: **REVISIONS:**

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SHEET NUMBER

Hedges Creek 11345 SW Herman Road Tualatin, Oregon

15 February 2022

ARCHITECTURAL **COVER SHEET** PRELIMINARY SITE PLAN BUILDING A FLOOR PLAN BUILDING B FLOOR PLAN BUILDING C FLOOR PLAN BUILDING A EXTERIOR ELEVATIONS **BUILDING B EXTERIOR ELEVATIONS** BUILDING C EXTERIOR ELEVATIONS TRASH / RECYCLING ENCLOSURE PLANS AND ELEVATIONS & COVERED BIKE PARKING ELEVATIONS LEGEND CIVIL **EXISTING CONDITIONS** C0.3 DEMOLITION PLAN C1.0 SITE PLAN **GRADING PLAN** C3.0 UTILITY PLAN ELECTRICAL SITE LIGHTING PLAN SITE LIGHTING PHOTOMETRIC ALL CONSTRUCTION SHALL CONFORM WITH ALL APPLICABLE **LANDSCAPE** LOCAL STATE AND FEDERAL CODES REGULATION AND LAWS, INCLUDING, BUT NOT LIMITED TO: TREE REMOVAL & PROTECTION PLAN L1.1 OVERALL LANDSCAPE & TREE PLAN ENLARGED LANDSCAPE PLAN ENLARGED LANDSCAPE PLAN

 PROPERTY LINE
 LINE OF SOFFIT OR ELEMENT ABOVE
 CENTER LINE
 COLUMN GRID LINE

2019 OREGON STRUCTURAL SPECIALTY CODE

2019 OREGON MECHANICAL SPECIALTY CODE

2017 OREGON PLUMBING SPECIALTY CODE

2017 OREGON ELECTRICAL SPECIALTY CODE

2014 OREGON FIRE CODE

COMMERCIAL CODE

ACCESSIBILITY 2009 ICC / ANSI A117.1 ACCESSIBILITY CODE

2019 OREGON ZERO ENERGY READY

TAX LOT 500 FROM TAX MAP AND 700 FROM TAX MAP 2S	·
LOT AREA:	± 914,700 21.00 acres
TOTAL BUILDING AREA:	442,575 sf
BUILDING A:	148,600 sf
MANUFACTURING:	52,010 sf (35%)
WAREHOUSE:	96,590 sf (65%)
BUILDING B:	142,550 sf
MANUFACTURING:	49,893 sf (35%)
WAREHOUSE:	92,657 sf (65%)
BUILDING C	151,425 sf
MANUFACTURING:	52,999 sf (35%)
WAREHOUSE:	98,426 sf (65%)
SITE COVERAGE:	48.13 %
DOCK DOOR RATIO:	
BUILDING A:	1 / 8,255 sf
BUILDING B:	1 /5,483 sf
BUILDING C:	1 / 5,608 sf

CURRENT ZONING USE:

PROPOSED ZONING USE:

OCCUPANCY GROUP: S-1 / B

CONSTRUCTION TYPE: V-B

LEGAL DESCRIPTION:

MG - GENERAL MANUFACTURING	PARKING REQUIRED	308 spaces
MG - GENERAL MANUFACTURING	BUILDING A:	104 spaces
	MANUFACTURING (1.6 / 1,000 sf)	72 spaces
В	WAREHOUSE (0.3 / 1,000 sf)	32 spaces
	BUILDING B:	99 spaces
	MANUFACTURING (1.6 / 1,000 sf)	69 spaces
	WAREHOUSE (0.3 / 1,000 sf)	30 spaces
	BUILDING C:	105 spaces
D 26 1 2744 TAYLOT 600	MANUFACTURING (1.6 / 1,000 sf)	73 spaces
P 2S 1 27AA, TAX LOT 600 . 1 22DD.	WAREHOUSE (0.3 / 1,000 sf)	32 spaces
. 1 2255.	PARKING PROVIDED:	335 spaces
	LANDSCAPE REQUIRED:	135,610 sf (15.0%)
± 914,700 21.00 acres	LANDSCAPE PROVIDED:	143,321 sf (15.67%)
442,575 sf		
148,600 sf		
52,010 sf (35%)		
96.590 sf (65%)		

	(949) 720-8050
<u>APPLICANT</u>	MICHAEL DEARMEY PHELAN DEVELOPMENT COMPANY 450 NEWPORT CENTER DRIVE, SUITE 405 NEWPORT BEACH, CA 92660 (949) 720-8050
ARCHITECT	CALVIN J. COATSWORTH ARCHITECTS, PC 1574 GULF ROAD PMB 212 POINT ROBERST, WA 98281 PHONE: (949) 833-1930
CIVIL ENGINEER	CRAIG HARRIS AAI ENGINEERING 4875 SW GRIFFITH DRIVE, SUITE 300 BEAVERTON, OR 97005 PHONE: (503) 352-3030
LANDSCAPE	TERESA LONG, PLA AAI ENGINEERING 4875 SW GRIFFITH DRIVE, SUITE 100

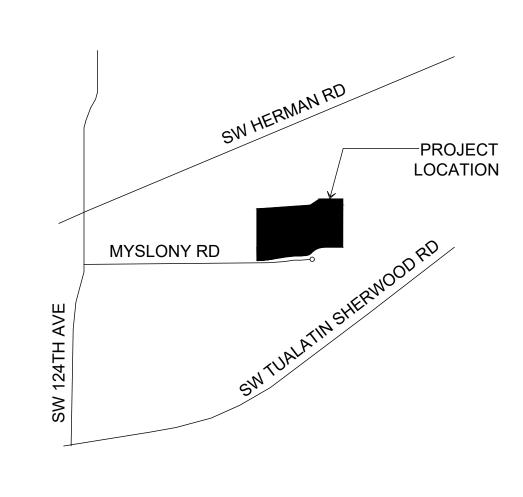
BEAVERTON, OR 97005

PHONE: (503) 352-3030

PHELAN DEVELOPMENT COMPANY

NEWPORT BEACH, CA 92660

450 NEWPORT CENTER DRIVE, SUITE 405



SHEET INDEX

ENLARGED LANDSCAPE PLAN

ENLARGED LANDSCAPE PLAN

LANDSCAPE DETAILS

IRRIGATION DETAILS

LANDSCAPE & IR DETAILS

APPLICABLE CODES

PROJECT SUMMARY

PROJECT TEAM

OWNER / DEVELOPER

VICINITY MAP SCALE: NOT TO SCALE



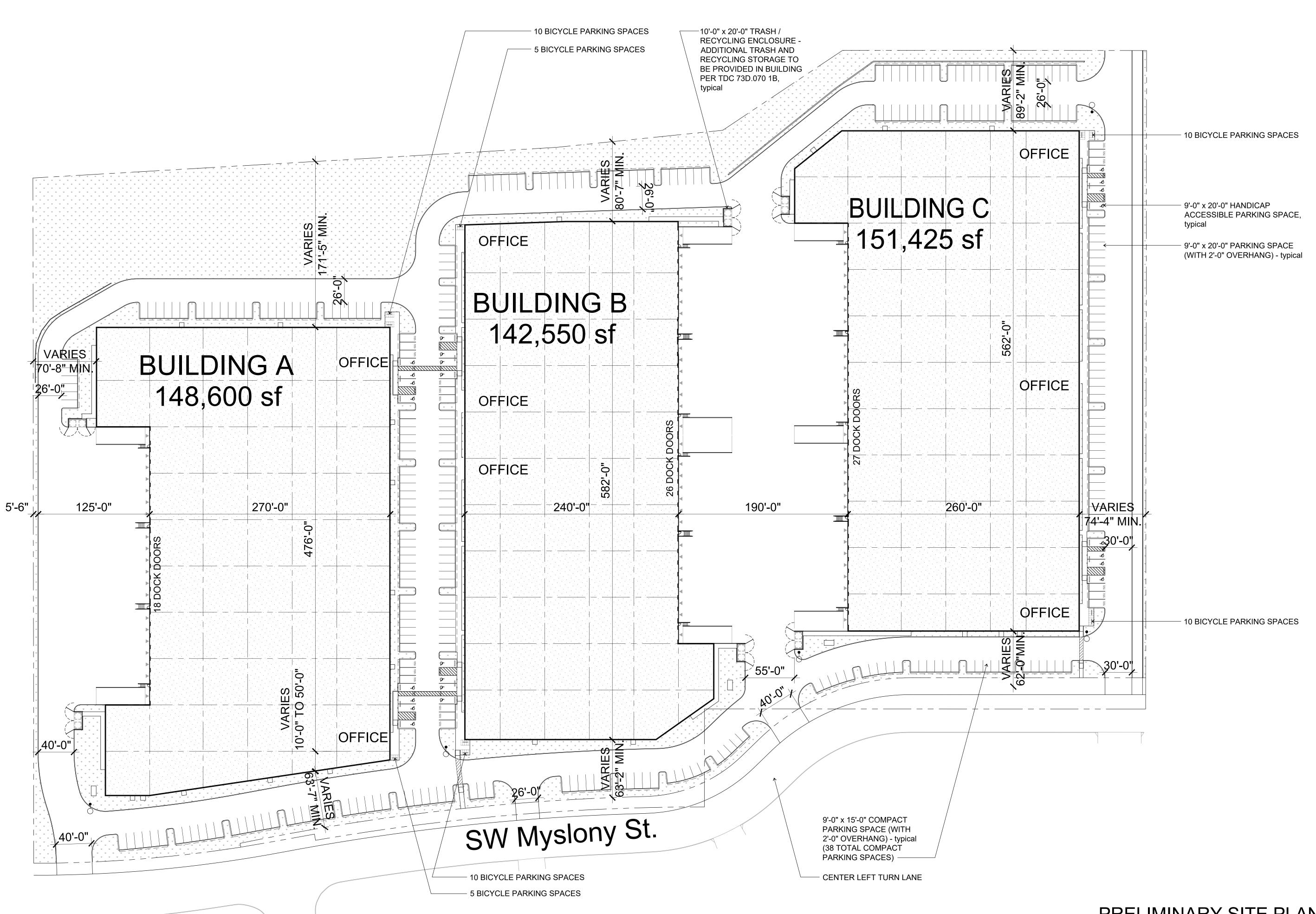


L1.4

L1.5

L2.1





Calvin J. Coatsworth Architects, PC 1574 Gulf Road PMB 212 - Point Roberts, WA 98281 - Phone: (949) 833-1930

PRELIMINARY SITE PLAN 21 April 2022





Hedges Creek 11345 SW Herman Road Tualatin, Oregon

BUILDING B: 142,550 sf **BUILDING C:** 151,425 sf SITE COVERAGE (on NET): 48.13 %

± 914,700 sf

21.00 acres

442,575 sf

148,600 sf

DOCK DOOR RATIO:

NET LOT AREA:

BUILDING A:

TOTAL BUILDING AREA:

BUILDING A: 1 / 8,255 sf **BUILDING B:** 1 / 5,483 sf BUILDING C: 1 / 5,608 sf

PARKING REQUIRED 308 spaces 104 spaces BUILDING A: WAREHOUSE (70%) at .3 per 1,000: 32 spaces MANUFACTURING (30%) at 1.6 per 1,000: 72 spaces **BUILDING B:** 99 spaces WAREHOUSE (70%) at .3 per 1,000: 30 spaces MANUFACTURING (30%) at 1.6 per 1,000: 69 spaces **BUILDING C:** 105 spaces WAREHOUSE (70%) at .3 per 1,000: 32 spaces MANUFACTURING (30%) at 1.6 per 1,000: 73 spaces

335 spaces PARKING PROVIDED:

LANDSCAPE REQUIRED: 137,205 sf (15%)

LANDSCAPE PROVIDED: 143,321 sf (15.67%)

21 April 2022 p:\2019\19500 phelan development\19500.36-walgraeve property, or\new road schemes\19500.36 site plan - ar package - 04212022.dwg

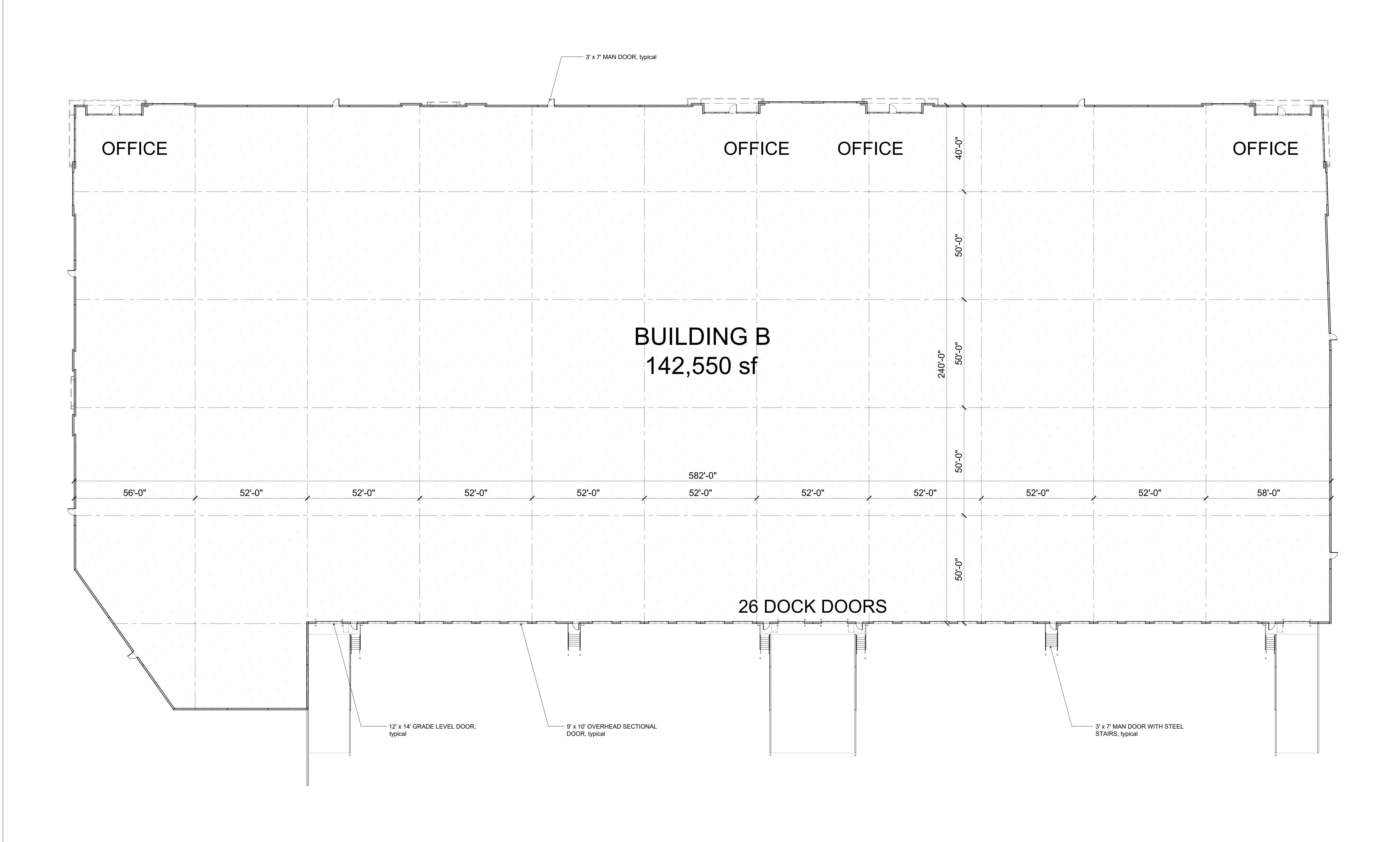
BUILDING A FLOOR PLAN
15 February 2022











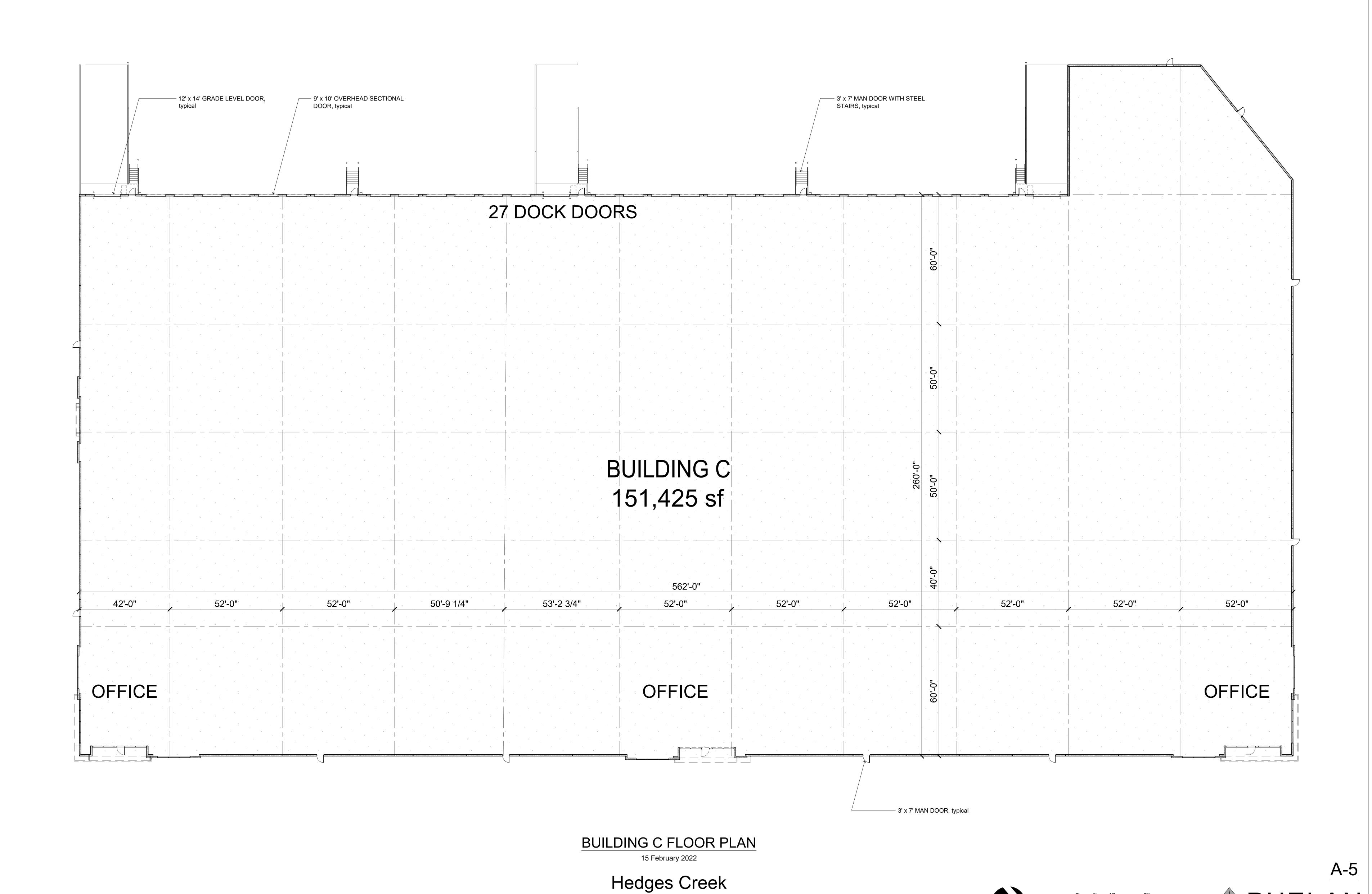
BUILDING B FLOOR PLAN
15 February 2022









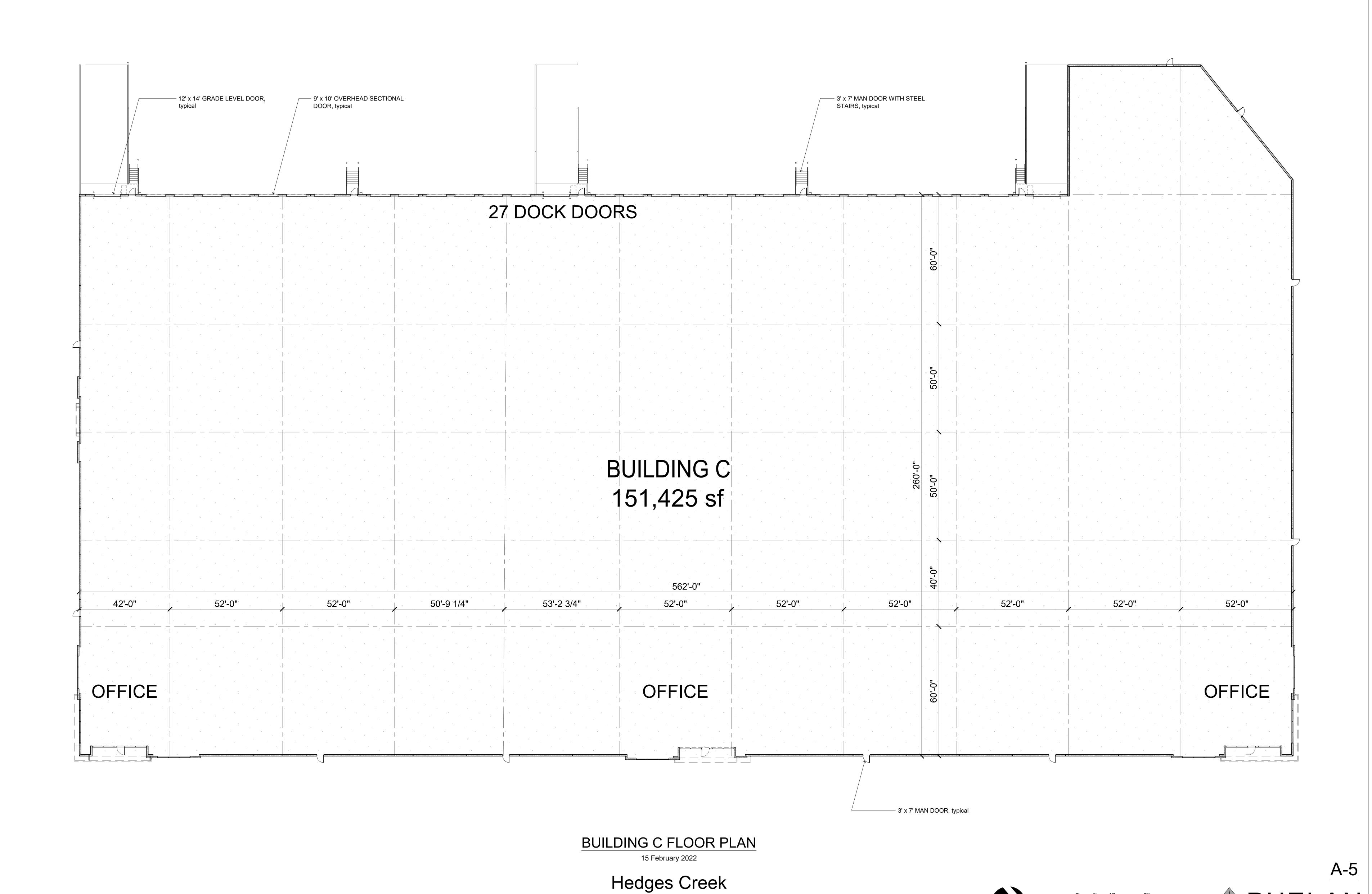


11345 SW Herman Road

Tualatin, Oregon

Calvin J. Coatsworth Architects, PC 1574 Gulf Road PMB 212 - Point Roberts, WA 98281 - Phone: (949) 833-1930

_ _ v ⊑ L ∪ P M E N T 450 Newport Center Drive, Suite 405 Newport Beach, CA 92660

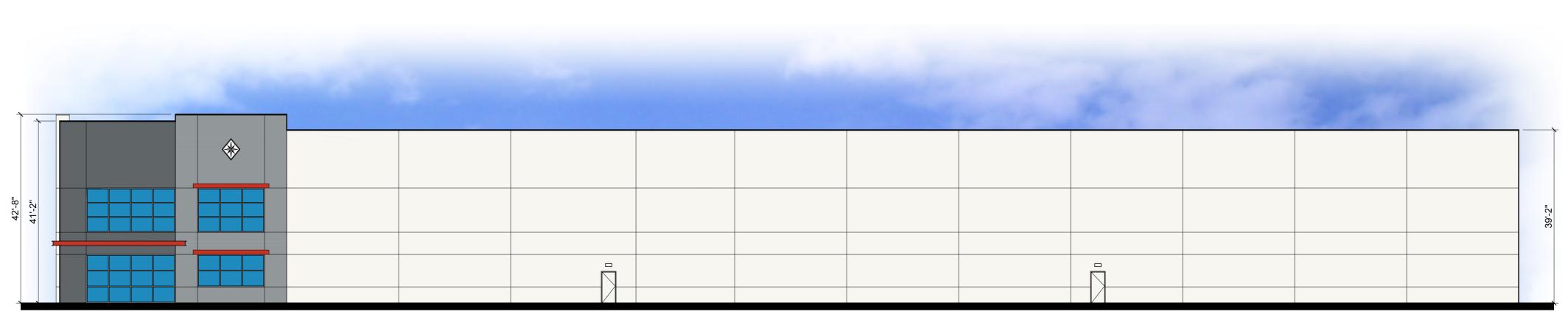


11345 SW Herman Road

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_ _ v ⊑ L ∪ P M E N T 450 Newport Center Drive, Suite 405 Newport Beach, CA 92660



TILT-UP CONCRETE WALL PANEL WALL PANEL FIELD COLOR SHERWIN WILLIAMS - #7005 - PURE WHITE TILT-UP CONCRETE WALL PANEL WALL PANEL FIELD COLOR SHERWIN WILLIAMS - #7071 - GRAY SCREEN TILT-UP CONCRETE WALL PANEL WALL PANEL ACCENT COLOR SHERWIN WILLIAMS - #7073 - NETWORK GRAY TILT-UP CONCRETE WALL PANEL WALL PANEL ACCENT COLOR SHERWIN WILLIAMS - #7074 - SOFTWARE TILT-UP CONCRETE WALL PANEL WALL PANEL ACCENT COLOR SHERWIN WILLIAMS - #7074 - SOFTWARE TILT-UP CONCRETE WALL PANEL WALL PANEL ACCENT COLOR CLARION RED - PANTONE 7626C 1" INSULATED DUAL PANE MEDIUM PERFORMANCE PPG VISTACOOL PACIFICA GLAZING CLEAR ANODIZED ALUMINUM MULLIONS

LEGEND

NORTH ELEVATION



41-2"

PARTIAL SOUTH ELEVATION



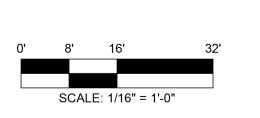
PARTIAL SOUTH ELEVATION



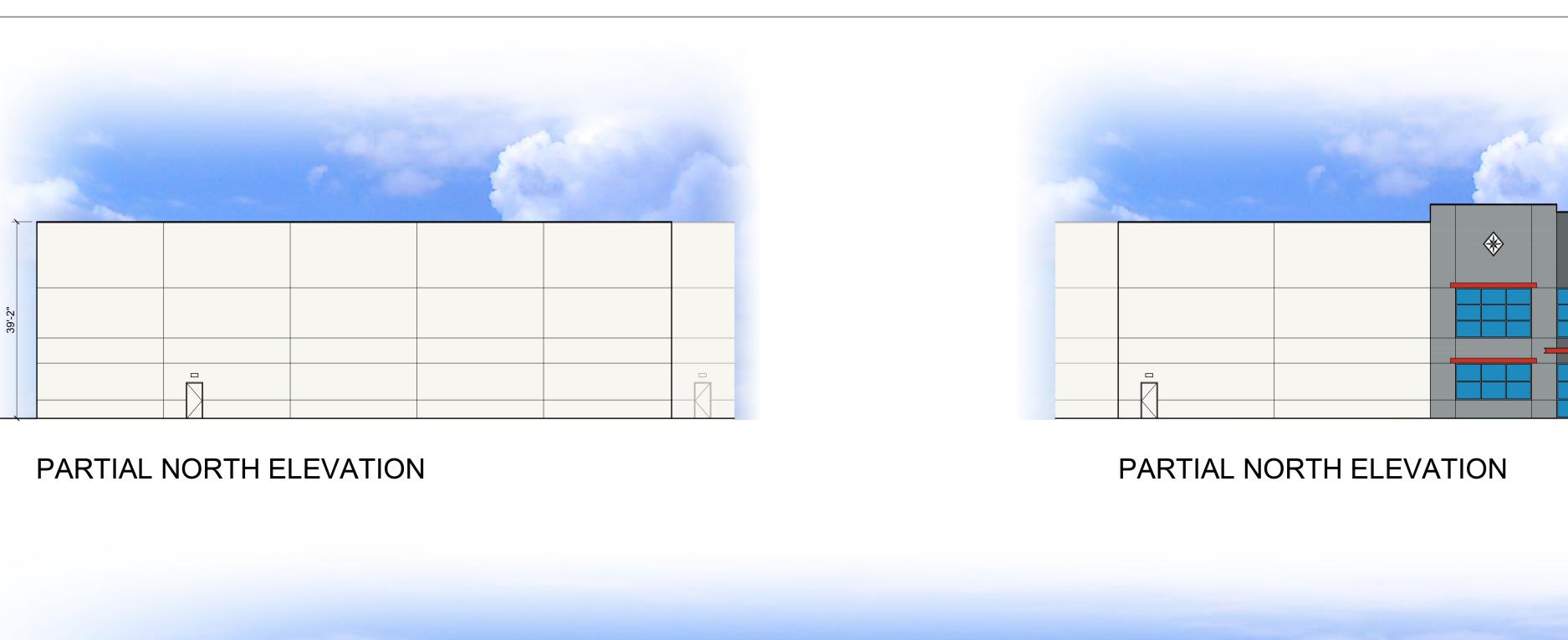
BUILDING A EXTERIOR ELEVATIONS

15 February 2022













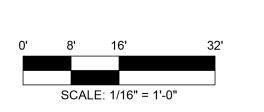
PARTIAL SOUTH ELEVATION



BUILDING B EXTERIOR ELEVATIONS

15 February 2022

Hedges Creek
11345 SW Herman Road
Tualatin, Oregon





TILT-UP CONCRETE WALL PANEL

TILT-UP CONCRETE WALL PANEL
WALL PANEL ACCENT COLOR

TILT-UP CONCRETE WALL PANEL
WALL PANEL ACCENT COLOR

TILT-UP CONCRETE WALL PANEL
WALL PANEL ACCENT COLOR
CLARION RED - PANTONE 7626C

P WALL PANEL FIELD COLOR

SHERWIN WILLIAMS - #7005 - PURE WHIT

SHERWIN WILLIAMS - #7071 - GRAY SCREEN

SHERWIN WILLIAMS - #7073 - NETWORK GRAY

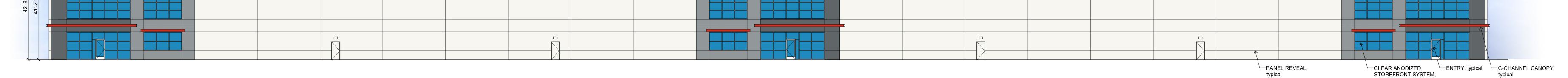
1" INSULATED DUAL PANE MEDIUM PERFORMANCE PPG VISTACOOL PACIFICA GLAZING

SHERWIN WILLIAMS - #7074 - SOFTWAR

CLEAR ANODIZED ALUMINUM MULLIONS







EAST ELEVATION



SOUTH ELEVATION

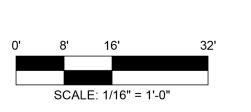


BUILDING C EXTERIOR ELEVATIONS

15 February 2022

Hedges Creek 11345 SW Herman Road Tualatin, Oregon

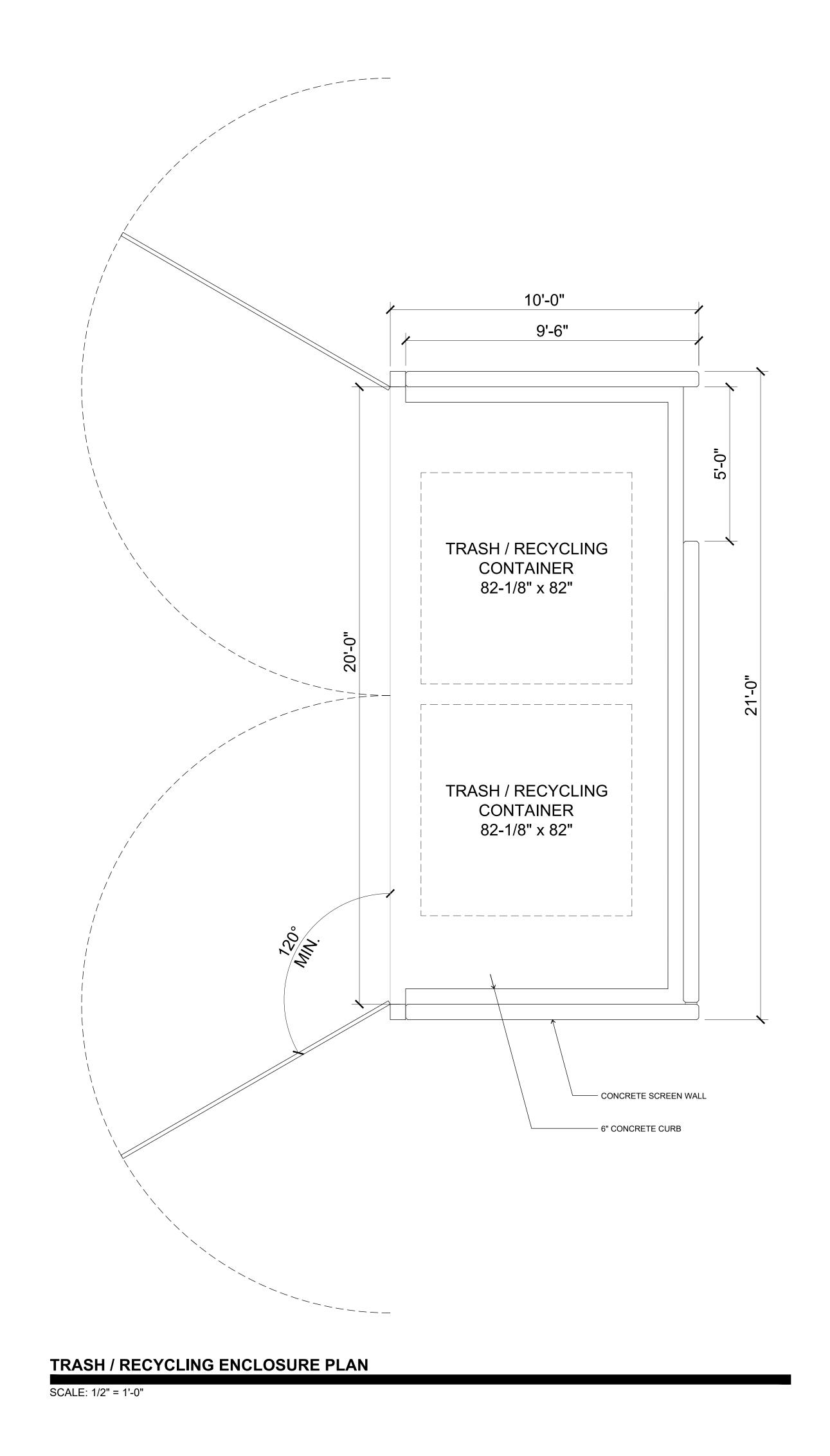


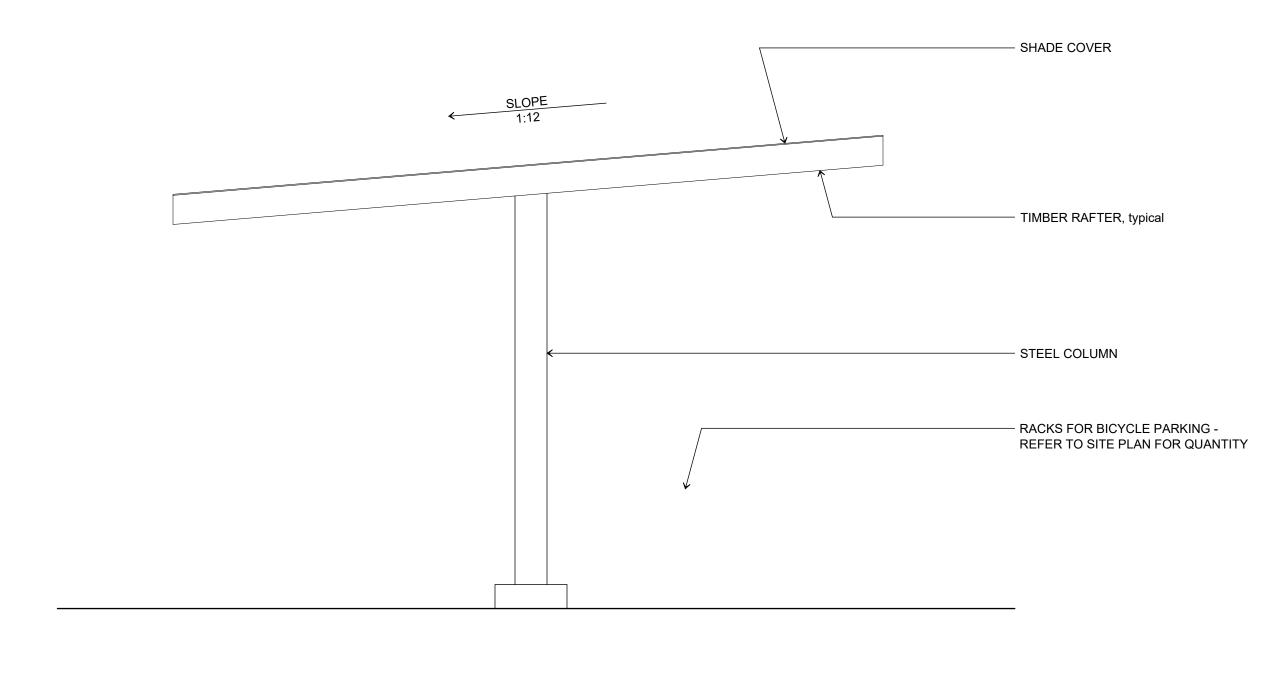


STOREFRONT SYSTEM,



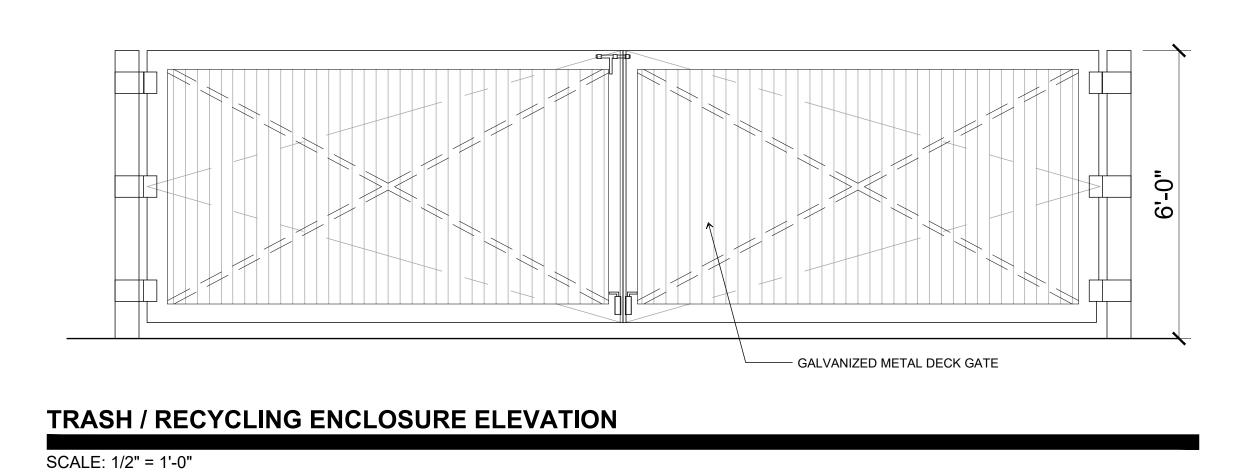






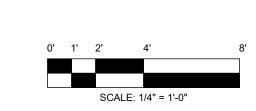
COVERED BICYCLE PARKING ELEVATION

SCALE: 1/2" = 1'-0"



TRASH / RECYCLING ENCLOSURE PLANS AND ELEVATIONS & COVERED BIKE PARKING ELEVATIONS



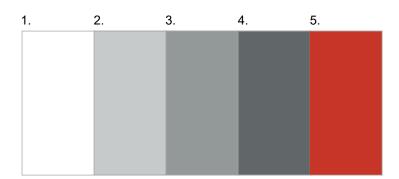






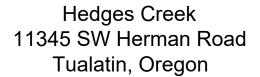


- 1. SHERWIN WILLIAMS #7005 PURE WHITE
- 2. SHERWIN WILLIAMS #7071 GRAY SCREEN
- 3. SHERWIN WILLIAMS #7073 NETWORK GRAY
- 4. SHERWIN WILLIAMS #7074 SOFTWARE
- 5. SHERWIN WILLIAMS PANTONE 7626C CLARION RED
- 6. PPG VISTACOOL PACIFICA GLAZING
- 7. KAWNEER CLEAR ANODIZED ALUMINUM MULLION













LUMINAIRE MOUNTING HEIGHTS

EXTERIOR: TYPE SB - +31'-0" AFF TYPE SC - RECESSED TYPE SD - +8'-7" ABOVE DOOR

1. HEIGHT IS TO CENTER LINE OF LUMINAIRE UNLESS OTHERWISE NOTED. 2. SEE ARCHITECTURAL ELEVATIONS FOR

LUMINAIRE LOCATIONS

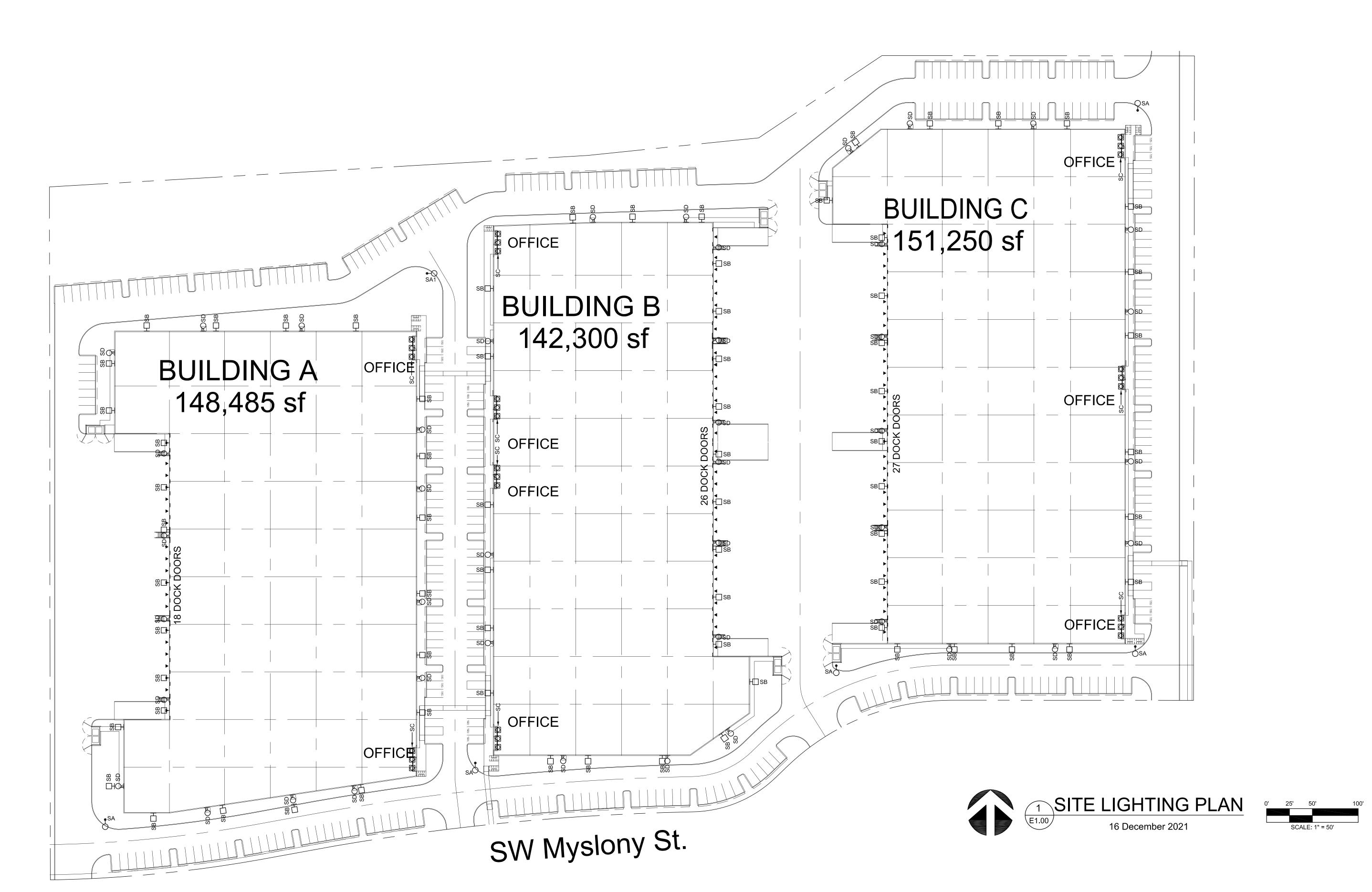
GENERAL NOTES

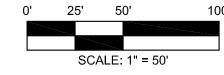
. CONTRACTOR IS RESPONSIBLE TO ASSURE THAT THE LIMITING BRANCH CIRCUIT VOLTAGE DROP TO LESS THAN OR EQUAL TO 3% AND TO 2% FOR FEEDERS AT DESIGN LOADS AS REQUIRED BY NEC. THE CONTRACTOR SHALL REVIEW SCHEDULES TO VERIFY LOADS & WIRE/CONNDUIT SIZE REQUIRED.

LUMINAIRE SCHEDULE

_			
TYPE:	SA LED - SINGLE POLE MOUNTED AREA LIGHT	BUG RATING :	4/0/2
DESCRIPTION : BALLAST :	ELECTRONIC DRIVER - 0-10v DIMMING	HOUSING:	
VOLTAGE:	120-277V	LENS / OPTICS :	GLASS ALOWINOW
LAMP TYPE :	LED - 3000K	REFLECTOR:	GLASS
LAMP TIPE :		DISTRIBUTION :	TYPE V
EFFICIENCY:	1 MIN 18,000 LUMENS - 1250mA	FINISH:	BLACK
OPTIONS:	MOTION SENSOR - DIMS TO 37%	WATTAGE:	163
MT HEIGHT :	PARKING +23-0" ABOVE FINISH GRADE	WATTAGE.	103
POLES	SQUARE ALUMINUM, PROVIDE CONCRETE PO	LE BASE 3' AEG	
1 0110	OGO/WE/ESWINOW, FROVIDE OOMORETE FO		
MANUFACTURER:	LITHONIA DSX1 LED-P6-30K-T5M-MV-SPA-PIRI OR APPROVED EQUIVALENT	H1FC3V-HS-DDBXD	
TYPE : DESCRIPTION :	SA1 LED - SINGLE POLE MOUNTED AREA LIGHT	BUG RATING:	5/0/3
BALLAST:	ELECTRONIC DRIVER - 0-10v DIMMING		DIE CAST ALUMINUM
		HOUSING : LENS / OPTICS :	
VOLTAGE: LAMP TYPE:	120-277V		GLASS
	LED - 3000K	REFLECTOR:	TVDE V
LAMP QUANTITY:	1 MIN 02 000 LUMENC 4050mA	DISTRIBUTION:	TYPE V
EFFICIENCY:	MIN 23,000 LUMENS - 1050mA	FINISH:	BLACK
OPTIONS :	MOTION SENSOR - DIMS TO 37%	WATTAGE:	207
MT HEIGHT : POLES	PARKING +30-0" ABOVE FINISH GRADE SQUARE ALUMINUM, PROVIDE CONCRETE PO	LE BASE 3' AFG	
MANUFACTURER :	LITHONIA DSX1 LED-P8-30K-T5M-MV-SPA-PIRI OR APPROVED EQUIVALENT	H1FC3V-HS-DDBXD	
TVDE .	60		
TYPE : DESCRIPTION :	SB LED - WALL MOUNT	BUG RATING:	2/0/2
BALLAST:	ELECTRONIC DRIVER - 0-10v DIMMING	HOUSING:	DIE CAST ALUMINUM
VOLTAGE:	120-277V	LENS / OPTICS :	GLASS ALOWINON
LAMP TYPE :	LED - 3000K	REFLECTOR:	GLAGG
LAMP QUANTITY:	1	DISTRIBUTION :	TYPE 4M
EFFICIENCY:	MIN 10,000 LUMENS, 1000mA	FINISH:	BLACK
OPTIONS:	MOTION SENSOR - DIMS TO 37%	WATTAGE:	109
MANUFACTURER:	LITHONIA DSXW2 LED-30C-1000-30K-T4M-MV-F OR APPROVED EQUIVALENT	PIRH1FC3V-DDBXD	
TYPE :	sc		
DESCRIPTION :	LED - RECESSED DOWNLIGHT 6" ROUND		
BALLAST:	ELECTRONIC DRIVER - 0-10v DIMMING	HOUSING:	DIE CAST ALUMINUM
VOLTAGE:	120-277V	LENS / OPTICS :	ACRYLIC LENS
LAMP TYPE :	LED - 3000K	REFLECTOR:	CLEAR
LAMP QUANTITY:	1	DISTRIBUTION:	MEDIUM
EFFICIENCY:	MIN 1000 LUMENS	FINISH:	SEMI-SPECULAR
OPTIONS:	WET LOCATION	WATTAGE:	12
MANUFACTURER:	LITHONIA EVO-30/10-6AR-MD-LSS-MV-GZ1 SER	RIES	
	OR APPROVED EQUIVALENT		
TYPE :	SD		
DESCRIPTION:	LED - EXTERIOR WALL MOUNT	BUG RATING:	1/0/0
BALLAST:	ELECTRONIC DRIVER - 0-10v DIMMING	HOUSING:	DIE CAST ALUMINUM
VOLTAGE:	120-277V	LENS / OPTICS :	ACRYLIC LENS
LAMP TYPE :	LED - 3000K	REFLECTOR:	
LAMP ITE:	_	DISTRIBUTION :	WIDE
LAMP TYPE: LAMP QUANTITY:	1	DISTRIBUTION :	**![]
	1 MIN 2000 LUMENS	FINISH:	BLACK
LAMP QUANTITY:	•		

MANUFACTURER: LITHONIA WDGE2 LED-P2-30K-80CRI-VW-MV-SRM-DBLXD SERIES OR APPROVED EQUIVALENT











LUMINAIRE MOUNTING HEIGHTS

EXTERIOR: TYPE SB - +31'-0" AFF TYPE SC - RECESSED TYPE SD - +8'-7" ABOVE DOOR

1. HEIGHT IS TO CENTER LINE OF LUMINAIRE UNLESS OTHERWISE NOTED.

2. SEE ARCHITECTURAL ELEVATIONS FOR LUMINAIRE LOCATIONS

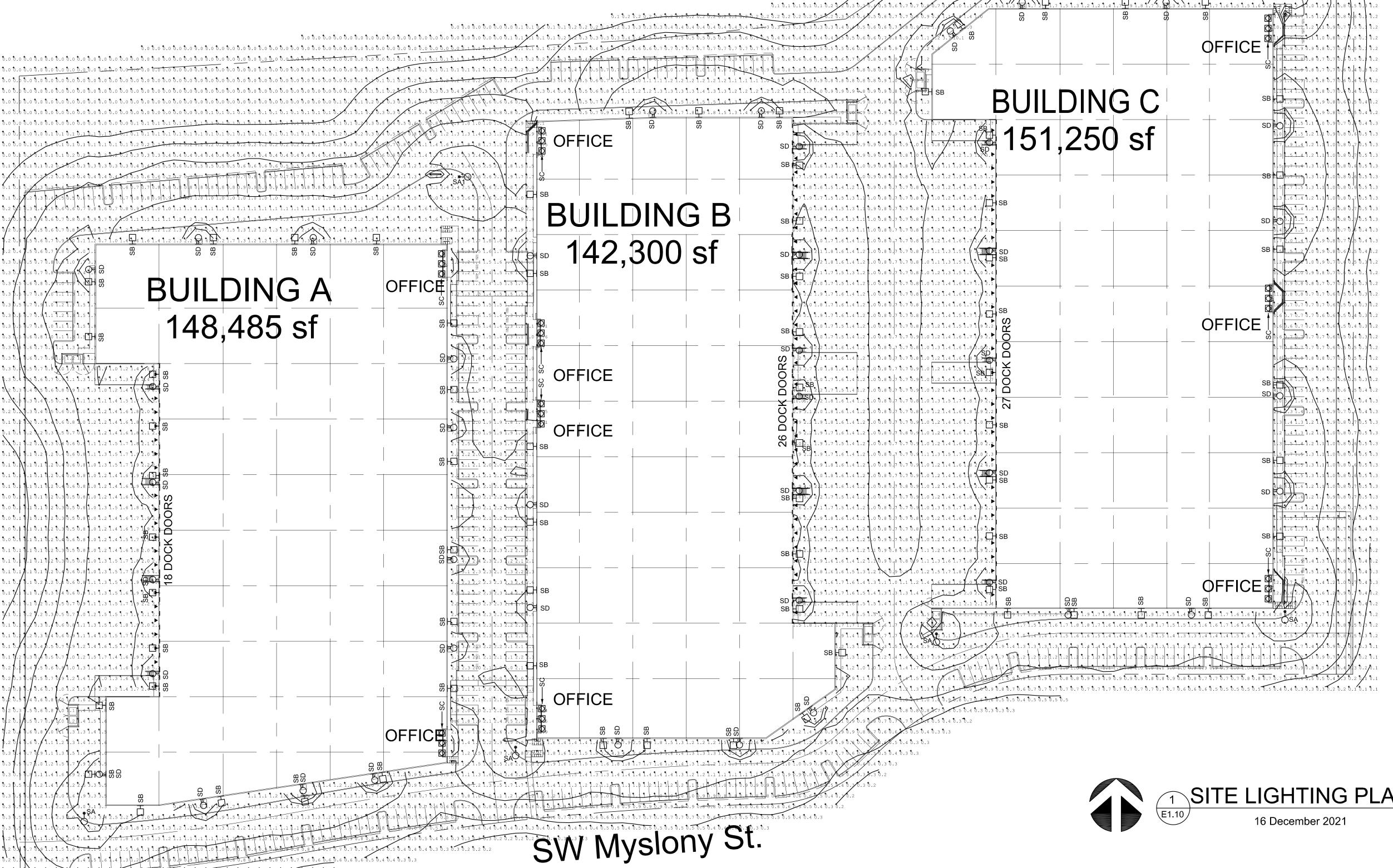
GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE TO ASSURE THAT THE LIMITING BRANCH CIRCUIT VOLTAGE DROP TO LESS THAN OR EQUAL TO 3% AND TO 2% FOR FEEDERS AT DESIGN LOADS AS REQUIRED BY NEC. THE CONTRACTOR SHALL REVIEW SCHEDULES TO VERIFY LOADS & WIRE/CONNDUIT SIZE REQUIRED.

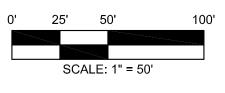
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Mir
Bldg A Loading Area	Illuminance	Fc	1.99	8.1	0.9	2.21	9.00
Bldg A Parking	Illuminance	Fc	2.15	4.3	1.2	1.79	3.58
Bldg B Loading Area	Illuminance	Fc	2.13	10.5	0.9	2.37	11.67
Bldg B Parking	Illuminance	Fc	2.08	7.7	1.0	2.08	7.70
Bldg C Loading Area	Illuminance	Fc	1.81	7.7	0.7	2.59	11.00
Bldg C Parking	Illuminance	Fc	1.41	5.8	0.6	2.35	9.67

LUMINAIRE SCHEDULE

TVDE .			
TYPE : DESCRIPTION :	SA LED - SINGLE POLE MOUNTED AREA LIGHT	BUG RATING :	4/0/2
BALLAST:	ELECTRONIC DRIVER - 0-10v DIMMING	HOUSING:	DIE CAST ALUMINUM
VOLTAGE : LAMP TYPE :	120-277V LED - 3000K	LENS / OPTICS : REFLECTOR :	GLASS
LAMP QUANTITY:	1	DISTRIBUTION:	TYPE V
EFFICIENCY:	MIN 18,000 LUMENS - 1250mA	FINISH:	BLACK
OPTIONS:	MOTION SENSOR - DIMS TO 37%	WATTAGE:	163
MT HEIGHT : POLES	PARKING +23-0" ABOVE FINISH GRADE SQUARE ALUMINUM, PROVIDE CONCRETE PO	I F BASE 3' AFG	
MANUFACTURER :	LITHONIA DSX1 LED-P6-30K-T5M-MV-SPA-PIRF OR APPROVED EQUIVALENT	H1FC3V-HS-DDBXD	
TYPE :	SA1		
DESCRIPTION : BALLAST :	LED - SINGLE POLE MOUNTED AREA LIGHT ELECTRONIC DRIVER - 0-10v DIMMING	BUG RATING:	5/0/3
VOLTAGE:	120-277V	HOUSING : LENS / OPTICS :	DIE CAST ALUMINUM GLASS
LAMP TYPE :	LED - 3000K	REFLECTOR:	OLAGO
LAMP QUANTITY:	1	DISTRIBUTION:	TYPE V
EFFICIENCY:	MIN 23,000 LUMENS - 1050mA	FINISH:	BLACK
OPTIONS:	MOTION SENSOR - DIMS TO 37%	WATTAGE:	207
MT HEIGHT : POLES	PARKING +30-0" ABOVE FINISH GRADE SQUARE ALUMINUM, PROVIDE CONCRETE PO	LE BASE 3' AFG	
MANUFACTURER :	LITHONIA DSX1 LED-P8-30K-T5M-MV-SPA-PIRI		
	OR APPROVED EQUIVALENT		
TYPE:	SB	DUC DATING.	21212
DESCRIPTION : BALLAST :	LED - WALL MOUNT ELECTRONIC DRIVER - 0-10y DIMMING	BUG RATING : HOUSING :	2 / 0 / 2 DIE CAST ALUMINUM
VOLTAGE:	120-277V	LENS / OPTICS :	GLASS
LAMP TYPE :	LED - 3000K	REFLECTOR:	OL/ 100
LAMP QUANTITY:	1	DISTRIBUTION:	TYPE 4M
EFFICIENCY:	MIN 10,000 LUMENS, 1000mA	FINISH:	BLACK
OPTIONS :	MOTION SENSOR - DIMS TO 37%	WATTAGE:	109
MANUFACTURER :	LITHONIA DSXW2 LED-30C-1000-30K-T4M-MV-P OR APPROVED EQUIVALENT	PIRH1FC3V-DDBXD	
TYPE:	sc		
TYPE : DESCRIPTION :	SC LED - RECESSED DOWNLIGHT 6" ROUND		
DESCRIPTION: BALLAST:	LED - RECESSED DOWNLIGHT 6" ROUND ELECTRONIC DRIVER - 0-10v DIMMING	HOUSING :	
DESCRIPTION : BALLAST : VOLTAGE :	LED - RECESSED DOWNLIGHT 6" ROUND ELECTRONIC DRIVER - 0-10v DIMMING 120-277V	LENS / OPTICS :	ACRYLIC LENS
DESCRIPTION: BALLAST: VOLTAGE: LAMP TYPE:	LED - RECESSED DOWNLIGHT 6" ROUND ELECTRONIC DRIVER - 0-10v DIMMING 120-277V LED - 3000K	LENS / OPTICS : REFLECTOR :	ACRYLIC LENS CLEAR
DESCRIPTION: BALLAST: VOLTAGE: LAMP TYPE: LAMP QUANTITY:	LED - RECESSED DOWNLIGHT 6" ROUND ELECTRONIC DRIVER - 0-10v DIMMING 120-277V LED - 3000K 1	LENS / OPTICS : REFLECTOR : DISTRIBUTION :	ACRYLIC LENS CLEAR MEDIUM
DESCRIPTION: BALLAST: VOLTAGE: LAMP TYPE:	LED - RECESSED DOWNLIGHT 6" ROUND ELECTRONIC DRIVER - 0-10v DIMMING 120-277V LED - 3000K	LENS / OPTICS : REFLECTOR :	CLEAR
DESCRIPTION: BALLAST: VOLTAGE: LAMP TYPE: LAMP QUANTITY: EFFICIENCY:	LED - RECESSED DOWNLIGHT 6" ROUND ELECTRONIC DRIVER - 0-10v DIMMING 120-277V LED - 3000K 1 MIN 1000 LUMENS	LENS / OPTICS : REFLECTOR : DISTRIBUTION : FINISH : WATTAGE:	ACRYLIC LENS CLEAR MEDIUM SEMI-SPECULAR
DESCRIPTION: BALLAST: VOLTAGE: LAMP TYPE: LAMP QUANTITY: EFFICIENCY: OPTIONS:	LED - RECESSED DOWNLIGHT 6" ROUND ELECTRONIC DRIVER - 0-10v DIMMING 120-277V LED - 3000K 1 MIN 1000 LUMENS WET LOCATION	LENS / OPTICS : REFLECTOR : DISTRIBUTION : FINISH : WATTAGE:	ACRYLIC LENS CLEAR MEDIUM SEMI-SPECULAR
DESCRIPTION: BALLAST: VOLTAGE: LAMP TYPE: LAMP QUANTITY: EFFICIENCY: OPTIONS: MANUFACTURER:	LED - RECESSED DOWNLIGHT 6" ROUND ELECTRONIC DRIVER - 0-10v DIMMING 120-277V LED - 3000K 1 MIN 1000 LUMENS WET LOCATION LITHONIA EVO-30/10-6AR-MD-LSS-MV-GZ1 SER OR APPROVED EQUIVALENT	LENS / OPTICS : REFLECTOR : REFLECTOR : DISTRIBUTION : FINISH : WATTAGE:	ACRYLIC LENS CLEAR MEDIUM SEMI-SPECULAR 12
DESCRIPTION: BALLAST: VOLTAGE: LAMP TYPE: LAMP QUANTITY: EFFICIENCY: OPTIONS: MANUFACTURER: TYPE: DESCRIPTION:	LED - RECESSED DOWNLIGHT 6" ROUND ELECTRONIC DRIVER - 0-10v DIMMING 120-277V LED - 3000K 1 MIN 1000 LUMENS WET LOCATION LITHONIA EVO-30/10-6AR-MD-LSS-MV-GZ1 SER OR APPROVED EQUIVALENT SD LED - EXTERIOR WALL MOUNT	LENS / OPTICS : REFLECTOR : REFLECTOR : DISTRIBUTION : FINISH : WATTAGE: RIES BUG RATING :	ACRYLIC LENS CLEAR MEDIUM SEMI-SPECULAR 12
DESCRIPTION: BALLAST: VOLTAGE: LAMP TYPE: LAMP QUANTITY: EFFICIENCY: OPTIONS: MANUFACTURER: TYPE: DESCRIPTION: BALLAST:	LED - RECESSED DOWNLIGHT 6" ROUND ELECTRONIC DRIVER - 0-10v DIMMING 120-277V LED - 3000K 1 MIN 1000 LUMENS WET LOCATION LITHONIA EVO-30/10-6AR-MD-LSS-MV-GZ1 SER OR APPROVED EQUIVALENT SD LED - EXTERIOR WALL MOUNT ELECTRONIC DRIVER - 0-10v DIMMING	LENS / OPTICS : REFLECTOR : REFLECTOR : DISTRIBUTION : FINISH : WATTAGE: RIES BUG RATING : HOUSING :	ACRYLIC LENS CLEAR MEDIUM SEMI-SPECULAR 12
DESCRIPTION: BALLAST: VOLTAGE: LAMP TYPE: LAMP QUANTITY: EFFICIENCY: OPTIONS: MANUFACTURER: TYPE: DESCRIPTION: BALLAST: VOLTAGE:	LED - RECESSED DOWNLIGHT 6" ROUND ELECTRONIC DRIVER - 0-10v DIMMING 120-277V LED - 3000K 1 MIN 1000 LUMENS WET LOCATION LITHONIA EVO-30/10-6AR-MD-LSS-MV-GZ1 SER OR APPROVED EQUIVALENT SD LED - EXTERIOR WALL MOUNT ELECTRONIC DRIVER - 0-10v DIMMING 120-277V	LENS / OPTICS : REFLECTOR : REFLECTOR : DISTRIBUTION : FINISH : WATTAGE: BUG RATING : HOUSING : LENS / OPTICS :	ACRYLIC LENS CLEAR MEDIUM SEMI-SPECULAR 12
DESCRIPTION: BALLAST: VOLTAGE: LAMP TYPE: LAMP QUANTITY: EFFICIENCY: OPTIONS: MANUFACTURER: TYPE: DESCRIPTION: BALLAST:	LED - RECESSED DOWNLIGHT 6" ROUND ELECTRONIC DRIVER - 0-10v DIMMING 120-277V LED - 3000K 1 MIN 1000 LUMENS WET LOCATION LITHONIA EVO-30/10-6AR-MD-LSS-MV-GZ1 SER OR APPROVED EQUIVALENT SD LED - EXTERIOR WALL MOUNT ELECTRONIC DRIVER - 0-10v DIMMING	LENS / OPTICS : REFLECTOR : REFLECTOR : DISTRIBUTION : FINISH : WATTAGE: RIES BUG RATING : HOUSING :	ACRYLIC LENS CLEAR MEDIUM SEMI-SPECULAR 12
DESCRIPTION: BALLAST: VOLTAGE: LAMP TYPE: LAMP QUANTITY: EFFICIENCY: OPTIONS: MANUFACTURER: TYPE: DESCRIPTION: BALLAST: VOLTAGE: LAMP TYPE:	LED - RECESSED DOWNLIGHT 6" ROUND ELECTRONIC DRIVER - 0-10v DIMMING 120-277V LED - 3000K 1 MIN 1000 LUMENS WET LOCATION LITHONIA EVO-30/10-6AR-MD-LSS-MV-GZ1 SER OR APPROVED EQUIVALENT SD LED - EXTERIOR WALL MOUNT ELECTRONIC DRIVER - 0-10v DIMMING 120-277V LED - 3000K	LENS / OPTICS : REFLECTOR : REFLECTOR : DISTRIBUTION : FINISH : WATTAGE: BUG RATING : HOUSING : LENS / OPTICS : REFLECTOR :	ACRYLIC LENS CLEAR MEDIUM SEMI-SPECULAR 12 1 / 0 / 0 DIE CAST ALUMINUM ACRYLIC LENS
DESCRIPTION: BALLAST: VOLTAGE: LAMP TYPE: LAMP QUANTITY: EFFICIENCY: OPTIONS: MANUFACTURER: TYPE: DESCRIPTION: BALLAST: VOLTAGE: LAMP TYPE: LAMP QUANTITY:	LED - RECESSED DOWNLIGHT 6" ROUND ELECTRONIC DRIVER - 0-10v DIMMING 120-277V LED - 3000K 1 MIN 1000 LUMENS WET LOCATION LITHONIA EVO-30/10-6AR-MD-LSS-MV-GZ1 SER OR APPROVED EQUIVALENT SD LED - EXTERIOR WALL MOUNT ELECTRONIC DRIVER - 0-10v DIMMING 120-277V LED - 3000K 1	LENS / OPTICS : REFLECTOR : REFLECTOR : DISTRIBUTION : FINISH : WATTAGE: BUG RATING : HOUSING : LENS / OPTICS : REFLECTOR : DISTRIBUTION :	ACRYLIC LENS CLEAR MEDIUM SEMI-SPECULAR 12 1/0/0 DIE CAST ALUMINUM ACRYLIC LENS WIDE
DESCRIPTION: BALLAST: VOLTAGE: LAMP TYPE: LAMP QUANTITY: EFFICIENCY: OPTIONS: MANUFACTURER: TYPE: DESCRIPTION: BALLAST: VOLTAGE: LAMP TYPE: LAMP QUANTITY: EFFICIENCY:	LED - RECESSED DOWNLIGHT 6" ROUND ELECTRONIC DRIVER - 0-10v DIMMING 120-277V LED - 3000K 1 MIN 1000 LUMENS WET LOCATION LITHONIA EVO-30/10-6AR-MD-LSS-MV-GZ1 SER OR APPROVED EQUIVALENT SD LED - EXTERIOR WALL MOUNT ELECTRONIC DRIVER - 0-10v DIMMING 120-277V LED - 3000K 1 MIN 2000 LUMENS	LENS / OPTICS : REFLECTOR : REFLECTOR : DISTRIBUTION : FINISH : WATTAGE: BUG RATING : HOUSING : LENS / OPTICS : REFLECTOR : DISTRIBUTION : FINISH :	ACRYLIC LENS CLEAR MEDIUM SEMI-SPECULAR 12 1/0/0 DIE CAST ALUMINUM ACRYLIC LENS WIDE BLACK
DESCRIPTION: BALLAST: VOLTAGE: LAMP TYPE: LAMP QUANTITY: EFFICIENCY: OPTIONS: MANUFACTURER: TYPE: DESCRIPTION: BALLAST: VOLTAGE: LAMP TYPE: LAMP QUANTITY: EFFICIENCY:	LED - RECESSED DOWNLIGHT 6" ROUND ELECTRONIC DRIVER - 0-10v DIMMING 120-277V LED - 3000K 1 MIN 1000 LUMENS WET LOCATION LITHONIA EVO-30/10-6AR-MD-LSS-MV-GZ1 SER OR APPROVED EQUIVALENT SD LED - EXTERIOR WALL MOUNT ELECTRONIC DRIVER - 0-10v DIMMING 120-277V LED - 3000K 1 MIN 2000 LUMENS CRI - 80	LENS / OPTICS : REFLECTOR : REFLECTOR : DISTRIBUTION : FINISH : WATTAGE: BUG RATING : HOUSING : LENS / OPTICS : REFLECTOR : DISTRIBUTION : FINISH : WATTAGE:	ACRYLIC LENS CLEAR MEDIUM SEMI-SPECULAR 12 1/0/0 DIE CAST ALUMINUM ACRYLIC LENS WIDE BLACK

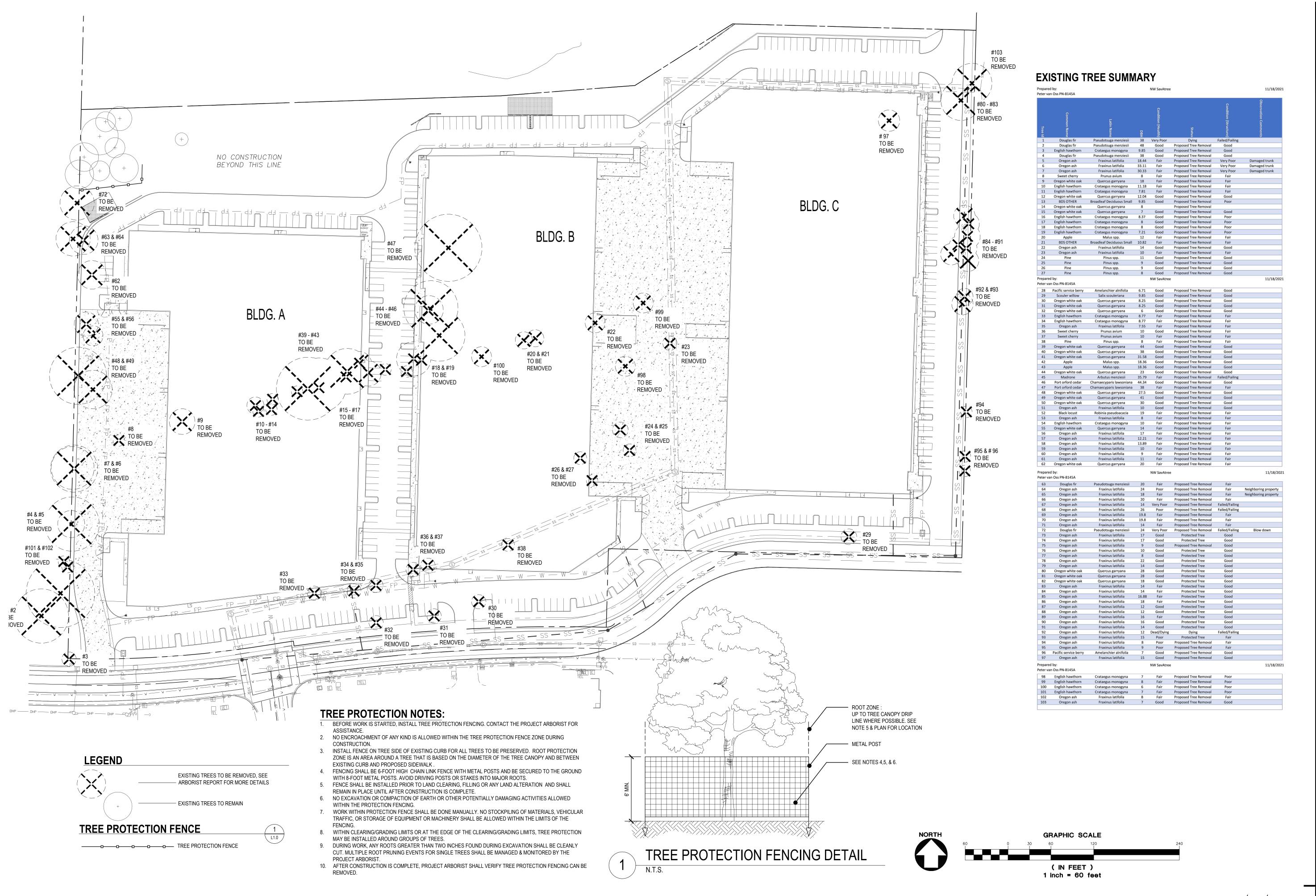












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These Katherine Long

OREGON

5-14-04

CAPE ARCHIVE

AAI alpha associates, inc.
ENGINEERING

E L A M E N T t Center Drive, Suite 405 503.620.3030 tel

D E v E

HEDGES CRE

TREE REMOVAL & PROTECTION PLAN

DATE: 08/02/2021

DRAWN: KPM

CHECKED: CNH

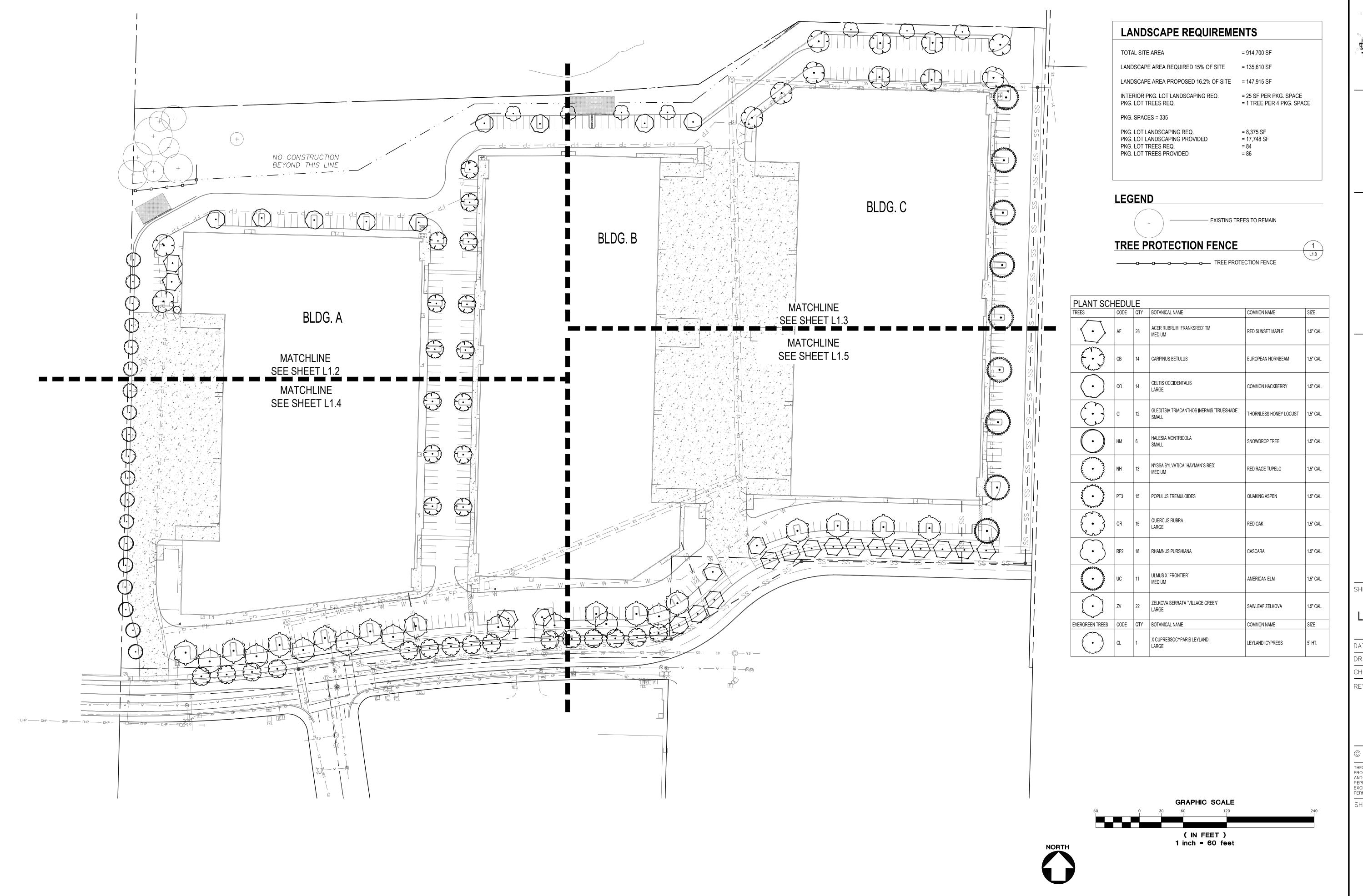
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wport Beach, CA 92660

GES CREE

OVERALL
LANDSCAPE &
TREE PLAN

DATE: 08/02/2021

DRAWN: KPM

CHECKED: CNH

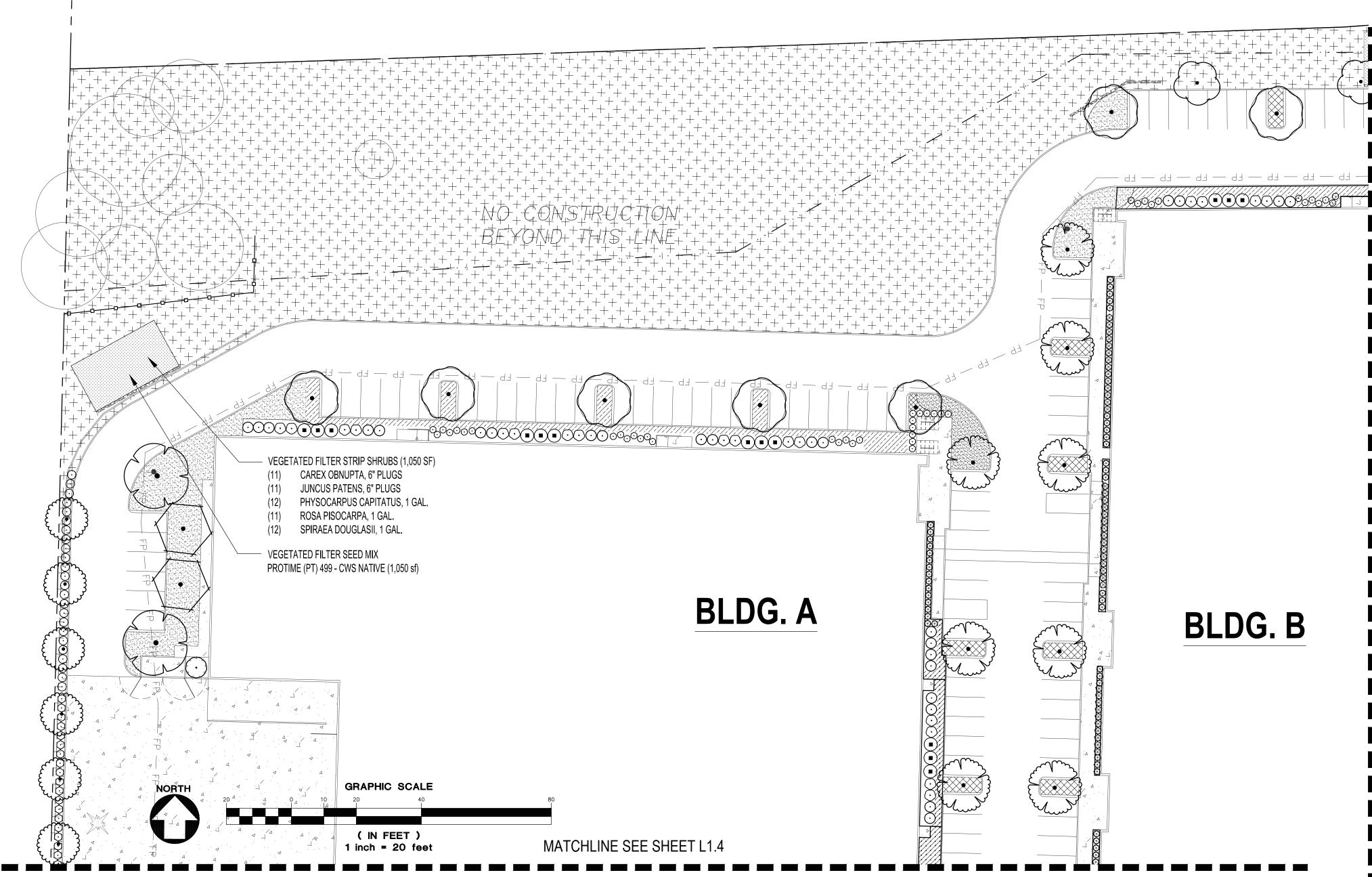
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PLANTING NOTES

- 1. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT CITY OF TUALATIN STANDARDS AND THE OREGON STRUCTURAL SPECIALTY CODE.
- CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT AT LEAST TWO WEEKS PRIOR TO START OF LANDSCAPE WORK TO REVIEW PLANT SUBSTITUTIONS & JURISDICTIONAL REQUIREMENTS.
- 3. SUBSTITUTIONS WILL NOT BE ACCEPTED UNLESS SPECIFICALLY ACCEPTED IN WRITING BY THE OWNER OR OWNER'S REPRESENTATIVE. VERIFY ALL EXISTING CONDITIONS, INCLUDING LOCATION OF
- PROPERTY LINES, PRIOR TO BEGINNING ANY WORK. REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY. DO NOT WILLFULLY PROCEED WITH CONSTRUCTION WHEN UNKNOWN
- OBSTRUCTIONS AND/OR DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. IMMEDIATELY NOTIFY OWNER'S REPRESENTATIVE OF UNKNOWN OBSTRUCTIONS AND/OR DIFFERENCES. PRIOR TO REMOVING ANY EXISTING FEATURES, REVIEW AND CONFIRM EXTENT OF DEMOLITION WITH OWNER'S REPRESENTATIVE.
- PROTECT EXISTING ITEMS TO REMAIN DURING CONSTRUCTION. ANY DAMAGE TO EXISTING ITEMS DESIGNATED TO REMAIN I.E. CURBS, WALKS, PLANT MATERIAL, LAWN OR FENCES SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES, LINES, PIPES, VAULTS, OR BOXES PRIOR TO EXCAVATION. MARK AND PROTECT ALL UTILITIES, SITE FEATURES AND VEGETATION TO REMAIN IN PLACE. ANY DAMAGE TO ANY KNOWN EXISTING UTILITY ELEMENTS SHALL BE REPAIRED PROPERLY AND IMMEDIATELY
- REMOVE FROM THE SITE AND LEGALLY DISPOSE OF ALL DEBRIS AND EXCAVATED MATERIAL NOT REQUIRED FOR FILL. NO RUBBISH OR DEBRIS SHALL BE BURIED ON THE SITE. MAINTAIN ALL ROADWAYS AND PAVED PATHWAYS CLEAN AND FREE OF
- CONSTRUCTION MATERIALS AND DEBRIS, PROVIDING NECESSARY DUST CONTROL WHERE REQUIRED.
- 10. COORDINATE AND SCHEDULE ALL WORK WITH THE OWNER'S 11. INSTALL EROSION CONTROL SYSTEMS IN ACCORDANCE WITH CITY OF XXXXXXXX STANDARDS PRIOR TO SITE WORK AND LANDSCAPE
- INSTALLATION. 12. CONTRACTOR SHALL PROVIDE TOPSOIL, SOIL AMENDMENTS, AND
- EROSION CONTROL.
- 13. CONTRACTOR SHALL SUBMIT CERTIFIED TOPSOIL ANALYSIS REPORT FOR OWNER'S APPROVAL PRIOR TO PLANT INSTALLATION. SEE SPECS. 14. CONTRACTOR IS RESPONSIBLE FOR ANY AMENDMENTS TO SOIL PH FERTILITY AND/OR DRAINAGE CONDITIONS NECESSARY TO ENSURE PROPER GROWING CONDITIONS FOR PROPOSED PLANTINGS. SEE

- 15. CONTRACTOR SHALL FOLLOW PROVIDER'S INSTRUCTIONS AND RECOMMENDATIONS FOR SEEDING.
- 16. ALL PLANTS SHALL BE IRRIGATED BY A FULLY AUTOMATED, PERMANENT IRRIGATION SYSTEM UNLESS OTHERWISE NOTED. SEE
- 17. PRIOR TO FINAL ACCEPTANCE, CONTRACTOR SHALL PROVIDE OWNER WITH AS-BUILT PLANS OF THE INSTALLATION, COPIES OF ALL OPERATION MANUALS AND WARRANTY DOCUMENTS.

PLANT ONLY IN AREAS WHERE THE IRRIGATION SYSTEM IS COMPLETE

- 18. ALL NEW PLANTS IN LANDSCAPE AREAS SHALL BE WARRANTED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. 19. COORDINATE INSTALLATION PLANTING MATERIALS WITH IRRIGATION.
- PLANT HEALTH AND REPLACEMENT
- 25. PROVIDE PLANT MATERIAL THAT IS HEALTHY NURSERY STOCK, WELL BRANCHED, AND FULL FOLIATED WHEN IN LEAF; AND FREE FROM DISEASE, INJURY, INSECTS, WEEDS AND WEED ROOTS.
- 26. PLANT MATERIALS NOT MEETING SPECIFICATION REQUIREMENTS WILL BE REJECTED.

INITIAL INSPECTION OF PLANT MATERIAL

- ASSEMBLE ALL PLANTS FOR EACH INSPECTION AT ONE LOCATION FOR INSPECTION TO BE COMPLETED IN ONE VISIT. ANY FURTHER INSPECTION REQUIRED DUE TO PLANTS BEING UNAVAILABLE, REJECTED, AND OR NOT MEETING SPECIFICATIONS SHALL BE CHARGED TO THE CONTRACTOR AT THE CURRENT HOURLY RATE FOR
- THE LANDSCAPE ARCHITECT PERFORMING THE INSPECTION. OWNER RETAINS RIGHT TO OBSERVE TREES AND SHRUBS FURTHER FOR SIZE AND CONDITION OF BALLS AND ROOT SYSTEMS, INSECTS, INJURIES, AND LATENT DEFECTS AND TO REJECT UNSATISFACTORY OR DEFECTIVE MATERIAL AT ANY TIME DURING PROGRESS OF WORK.
- 29. REMOVE REJECTED TREES OR SHRUBS FROM PROJECT SITE WITHIN 24 30. REPLACE PLANT MATERIALS REJECTED BY OWNER AT NO ADDITIONAL EXPENSE TO OWNER.
- PLANT LAYOUT AND INSPECTION
- ALL PLANTS SHALL BE INSTALLED ACCORDING TO AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1) AS WELL AS DETAIL DRAWINGS AND SPECIFICATIONS.
- 32. LAYOUT OF MAJOR PLANTING AREAS AS INDICATED IN THE DRAWINGS

- ARE APPROXIMATE ONLY: OUTLINE IN THE FIELD LOCATIONS AND IDENTITY OF ALL TREES, SHRUBS AND GROUND COVERS, SUBJECT TO REVIEW AND APPROVAL.
- 33. INSPECTION: NOTIFY THE OWNER 48 HOURS PRIOR TO BEGINNING PLANTING. THE OWNER MAY ADJUST PLANT MATERIAL LOCATION TO MEET FIELD CONDITIONS.
- 34. DO NOT COMMENCE WITH PLANTING UNTIL OWNER HAS APPROVED THE LOCATION AND LAYOUT OF ALL PLANT BEDS.
- 35. IF WORK IS NOT PROMPTLY OR PROPERLY PERFORMED BY THE CONTRACTOR, THE OWNER WILL, AT THEIR DISCRETION, HAVE THE WORK PERFORMED BY OTHERS. THE COST OF THE WORK BY OTHERS WILL BE DEDUCTED FROM THE CONTRACT AMOUNT.
- 36. MULCH ALL SHRUBS AND GROUND COVER PLANTING BEDS WITH A 2 INCH LAYER OF IMPORTED MULCH MATERIAL WITHIN 2 DAYS AFTER
- 37. COVER ENTIRE BED AREAS; APPLY EVENLY.

39. 1.MAINTAIN LANDSCAPE PLANTINGS FROM INSTALLATION UNTIL FINAL

AREAS, CURBS, AND PAVING WITH A 45 DEGREE, 4 TO 6 INCH DEEP,

38. SHOVEL-CUT EDGING: SEPARATE MULCHED AREAS FROM TURF

- ACCEPTANCE. 40. MAINTAIN TREES, SHRUBS, AND GROUND COVER BY TRIMMING, PRUNING, CULTIVATING, WATERING, WEEDING, FERTILIZING, RESTORING PLANTING SAUCERS, TIGHTENING AND REPAIRING STAKES AND GUY SUPPORTS, AND RESETTING TO PROPER GRADES OR VERTICAL POSITION, AS REQUIRED TO ESTABLISH HEALTHY, VIABLE
- PLANTINGS. 41. WATER TREES BY DEEP ROOT WATERING METHOD.

WEEDING AND CLEANUP

EDGING INSTALLATION

SHOVEL-CUT EDGE.

- 42. KEEP ALL LANDSCAPE AREAS CLEAN AND WEED FREE. KEEP ALL BUILDINGS, PAVEMENTS, AND OTHER EXTERIOR IMPROVEMENTS CLEAN AND FREE OF SOIL AND DEBRIS.
- 43. WEED ALL BEDS WEEKLY. 44. APPLY A 2 INCH LAYER OF MULCH MATERIAL TO SAUCER AREAS OF TREES AND SHRUBS LOCATED OUTSIDE OF PLANTING BEDS. PLACE MULCH NO CLOSER THAN 4 INCHES FROM TRUNKS OF WOODY PLANT MATERIAL AND AWAY FROM THE CROWNS OF HERBACEOUS PLANTS.

LEGEND - CONT.

- EXISTING TREES TO REMAIN

Walgreave	

Botanical Name	Common Name Minimum plant size		List by Plant	ing Zone
TREES			Zone A (VC)	Zone B (wetland)
Acer circinatum	Vine maple	2'	X	
Acer macrophyllum	Big leaf maple	3'	X	
Crataegus douglasii	Douglas hawthorn	2'	X	X
Frangula purshiana	Cascara	2'	X	
Fraxinus latifolia	Oregon ash	3'		X
Malus fusca	Pacific crabapple	2'		X
Pseudotsuga menziesii	Douglas fir	3'	X	
Thuja plicata	Western red cedar	2'	X	
SHRUBS				
Amelanchier alnifolia	Serviceberry	2'	X	
Cornus sericea	Red-osier dogwood	2'		X
Mahonia aquifolium	Tall Oregon grape	6'	X	
Oemleria cerasiformis	Indian plum	2'	X	
Physocarpus capitatus	Pacific ninebark	2'		X
Polystichum munitum	Sword fern	2 gallon	X	
Rosa nutkana	Nootka rose	1.5'	X	X
Salix sitchensis	Sitka willow	3'		X
Spiraea douglasii	Douglas' spirea	1.5'		X
Symphoricarpos albus	Snowberry	1.5'	X	
HERBACEOUS				
Agrostis exarata	Spike bentgrass	Broadcast see	d in all areas of distur	bed soil or bar
Elymus glaucus	Blue wild-rye	areas greater t	han 25 sq ft in size fol	lowing invasiv

species removal

Plant both zones at 100% CWS standard densities: Trees = sq ft X 0.01; Shrubs = sq ft X 0.05

California brome

INLLO	CODE	QII	DOTANICAL NAME	COMMON NAME	SIZL	
$\langle \cdot \rangle$	AF	28	ACER RUBRUM `FRANKSRED` TM MEDIUM	RED SUNSET MAPLE	1.5" CAL.	
	СВ	14	CARPINUS BETULUS	EUROPEAN HORNBEAM	1.5" CAL.	
$\overline{\bigcirc}$	CO	14	CELTIS OCCIDENTALIS LARGE	COMMON HACKBERRY	1.5" CAL.	
	GI	12	GLEDITSIA TRIACANTHOS INERMIS 'TRUESHADE' SMALL	THORNLESS HONEY LOCUST	1.5" CAL.	
$\overline{\left(\cdot\right)}$	НМ	6	HALESIA MONTRICOLA SMALL	SNOWDROP TREE	1.5" CAL.	
) K	NH	13	NYSSA SYLVATICA `HAYMAN`S RED` MEDIUM	RED RAGE TUPELO	1.5" CAL.	
	PT3	15	POPULUS TREMULOIDES	QUAKING ASPEN	1.5" CAL.	
50 mg	QR	15	QUERCUS RUBRA LARGE	RED OAK	1.5" CAL.	
	RP2	18	RHAMNUS PURSHIANA	CASCARA	1.5" CAL.	
00000000000000000000000000000000000000	UC	11	ULMUS X 'FRONTIER' MEDIUM	AMERICAN ELM	1.5" CAL.	
00000	ZV	22	ZELKOVA SERRATA 'VILLAGE GREEN' LARGE	SAWLEAF ZELKOVA	1.5" CAL.	
EVERGREEN TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	
	CL	1	X CUPRESSOCYPARIS LEYLANDII LARGE	LEYLANDI CYPRESS	5` HT.	
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
	AE	79	ABELIA X GRANDIFLORA 'EDWARD GOUCHER'	GLOSSY ABELIA	1 GAL.	60" o.c.
•	AC2	18	ARBUTUS UNEDO 'COMPACTA'	DWARF STRAWBERRY TREE	1 GAL.	120" o.c.
\odot	CF	61	CEANOTHUS THYRSIFLORUS 'VICTORIA'	VICTORIA CEANOTHUS	1 GAL.	60" o.c.
\odot	СТ	52	CHOISYA TERNATA	MEXICAN ORANGE	1 GAL.	60" o.c.
MANAGE TO THE PARTY OF THE PART	GS	227	GAULTHERIA SHALLON	SALAL	1 GAL.	48" o.c.
\odot	MA	204	MAHONIA AQUIFOLIUM	OREGON GRAPE	1 GAL.	48" o.c.
\odot	NA	66	NANDINA DOMESTICA `FIRE POWER`	DWARF NANDINA	1 GAL.	36" o.c.
	NS	167	NANDINA DOMESTICA 'GULF STREAM'	HEAVENLY BAMBOO	1 GAL.	36" o.c.
\otimes	PA	112	PENNISETUM ALOPECUROIDES	FOUNTAIN GRASS	1 GAL.	36" o.c.
\odot	PV	46	PIERIS JAPONICA 'VALLEY ROSE'	VALLEY ROSE JAPANESE PIERIS	1 GAL.	60" o.c.
Θ	PL	136	PRUNUS LAUROCERASUS 'MOUNT VERNON'	MOUNT VERNON ENGLISH LAUREL	1 GAL.	36" o.c.
	RR	33	RHODODENDRON X 'JEAN MARIE DE MONTAGUE'	JEAN MARIE DE MONTAGUE RHODODENDRON	1 GAL.	72" o.c.
\odot	RS	43	RIBES SANGUINEUM	RED FLOWERING CURRANT	1 GAL.	60" o.c.
\(\)	RG	65	ROSA GYMNOCARPA	DWARF ROSE	1 GAL.	48" o.c.
\odot	VO	102	VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	1 GAL.	48" o.c.
	VS	62	VIBURNUM TINUS 'SPRING BOUQUET'	SPRING BOUQUET LAURESTINUS	1 GAL.	60" o.c.
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
	CD	1,017	COTONEASTER DAMMERI	BEARBERRY COTONEASTER	4" POT	24" o.c.
	FL	5,763	FRAGARIA CHILOENSIS 'LIPSTICK'	BEACH STRAWBERRY	1 GAL.	18" o.c.
	MR	1,148	MAHONIA REPENS	CREEPING MAHONIA	1 GAL.	24" o.c.
, , , , , , , , , , , , , , , , , , ,	RE2	191	RUBUS CALYCINOIDES 'EMERALD CARPET'	EMERALD CARPET CREEPING RASPBERRY	1 GAL.	24" o.c.
						

PLANT SCHEDULE
TREES CODE QTY BOTANICAL NAME



SHEET TITLE **ENLARGED** LANDSCAPE

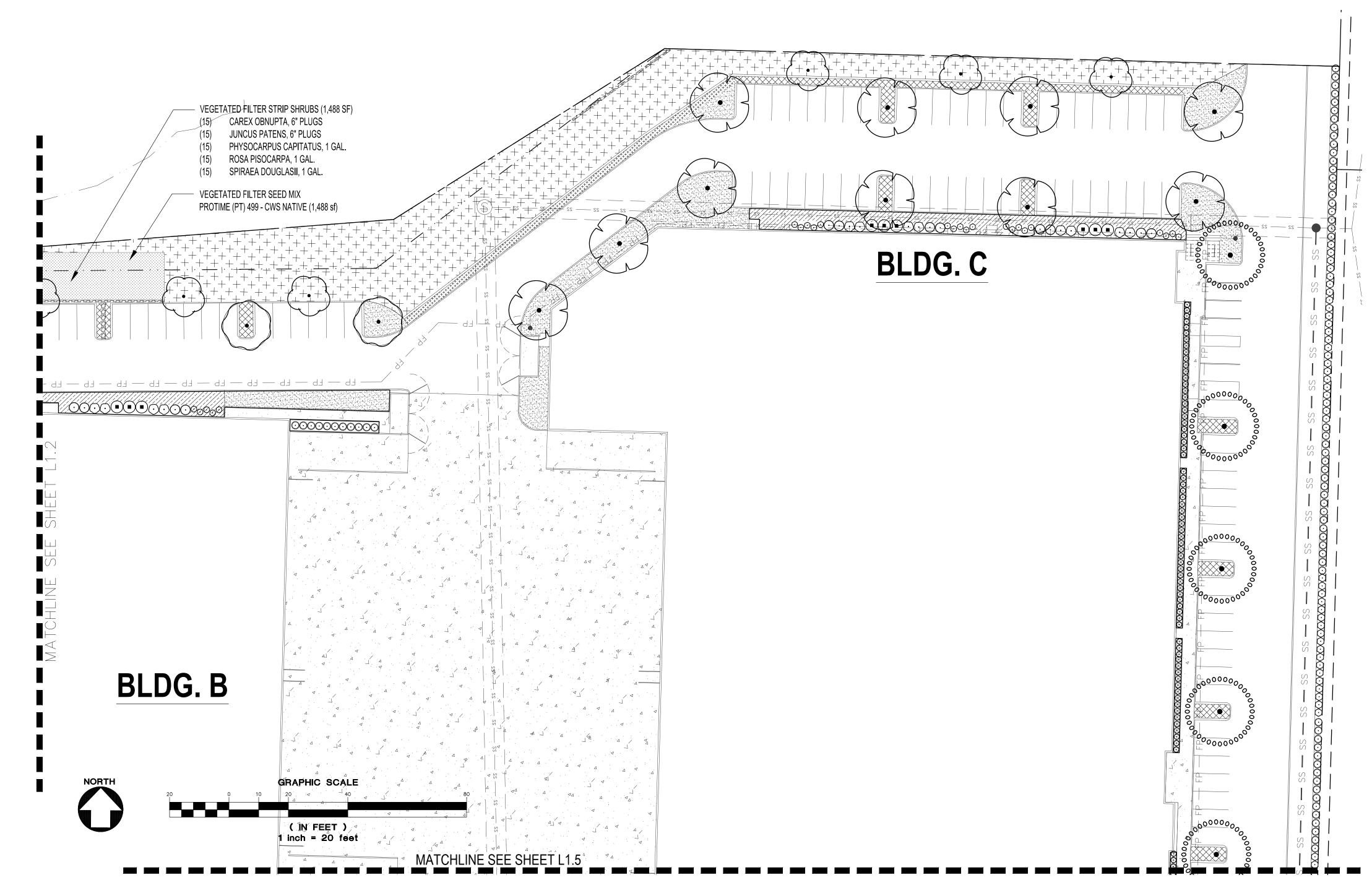
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PROPERTY OF AAI ENGINEERING INC.



PLANTING NOTES

- 1. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT CITY OF TUALATIN STANDARDS AND THE OREGON STRUCTURAL SPECIALTY CODE.
- 2. CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT AT LEAST TWO WEEKS PRIOR TO START OF LANDSCAPE WORK TO REVIEW PLANT SUBSTITUTIONS & JURISDICTIONAL REQUIREMENTS.
- SUBSTITUTIONS WILL NOT BE ACCEPTED UNLESS SPECIFICALLY ACCEPTED IN WRITING BY THE OWNER OR OWNER'S REPRESENTATIVE.
- 4. VERIFY ALL EXISTING CONDITIONS, INCLUDING LOCATION OF PROPERTY LINES, PRIOR TO BEGINNING ANY WORK. REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- 5. DO NOT WILLFULLY PROCEED WITH CONSTRUCTION WHEN UNKNOWN OBSTRUCTIONS AND/OR DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. IMMEDIATELY NOTIFY OWNER'S REPRESENTATIVE OF UNKNOWN OBSTRUCTIONS AND/OR DIFFERENCES. PRIOR TO REMOVING ANY EXISTING FEATURES, REVIEW AND CONFIRM EXTENT OF DEMOLITION WITH OWNER'S
- 6. PROTECT EXISTING ITEMS TO REMAIN DURING CONSTRUCTION. ANY DAMAGE TO EXISTING ITEMS DESIGNATED TO REMAIN I.E. CURBS, WALKS, PLANT MATERIAL, LAWN OR FENCES SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- 7. VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES, LINES, PIPES, VAULTS, OR BOXES PRIOR TO EXCAVATION. MARK AND PROTECT ALL UTILITIES, SITE FEATURES AND VEGETATION TO REMAIN IN PLACE. ANY DAMAGE TO ANY KNOWN EXISTING UTILITY ELEMENTS SHALL BE REPAIRED PROPERLY
- AND IMMEDIATELY 8. REMOVE FROM THE SITE AND LEGALLY DISPOSE OF ALL DEBRIS AND EXCAVATED MATERIAL NOT
- REQUIRED FOR FILL. NO RUBBISH OR DEBRIS SHALL BE BURIED ON THE SITE. 9. MAINTAIN ALL ROADWAYS AND PAVED PATHWAYS CLEAN AND FREE OF CONSTRUCTION MATERIALS
- AND DEBRIS, PROVIDING NECESSARY DUST CONTROL WHERE REQUIRED. 10. COORDINATE AND SCHEDULE ALL WORK WITH THE OWNER'S REPRESENTATIVE.
- 11. INSTALL EROSION CONTROL SYSTEMS IN ACCORDANCE WITH CITY OF XXXXXXXX STANDARDS PRIOR TO SITE WORK AND LANDSCAPE INSTALLATION.
- 12. CONTRACTOR SHALL PROVIDE TOPSOIL, SOIL AMENDMENTS, AND EROSION CONTROL. 13. CONTRACTOR SHALL SUBMIT CERTIFIED TOPSOIL ANALYSIS REPORT FOR OWNER'S APPROVAL PRIOR TO PLANT INSTALLATION. SEE SPECS.
- 14. CONTRACTOR IS RESPONSIBLE FOR ANY AMENDMENTS TO SOIL PH FERTILITY AND/OR DRAINAGE CONDITIONS NECESSARY TO ENSURE PROPER GROWING CONDITIONS FOR PROPOSED PLANTINGS.

- 15. CONTRACTOR SHALL FOLLOW PROVIDER'S INSTRUCTIONS AND RECOMMENDATIONS FOR SEEDING. 16. ALL PLANTS SHALL BE IRRIGATED BY A FULLY AUTOMATED, PERMANENT IRRIGATION SYSTEM UNLESS 33. INSPECTION: NOTIFY THE OWNER 48 HOURS PRIOR TO BEGINNING PLANTING. THE OWNER MAY OTHERWISE NOTED. SEE SPECS.
- 17. PRIOR TO FINAL ACCEPTANCE, CONTRACTOR SHALL PROVIDE OWNER WITH AS-BUILT PLANS OF THE 34. INSTALLATION, COPIES OF ALL OPERATION MANUALS AND WARRANTY DOCUMENTS. 18. ALL NEW PLANTS IN LANDSCAPE AREAS SHALL BE WARRANTED FOR A PERIOD OF ONE YEAR FROM
- THE DATE OF FINAL ACCEPTANCE. 19. COORDINATE INSTALLATION PLANTING MATERIALS WITH IRRIGATION. PLANT ONLY IN AREAS WHERE
- THE IRRIGATION SYSTEM IS COMPLETE AND FULLY OPERATIONAL.

PLANT HEALTH AND REPLACEMENT

25. PROVIDE PLANT MATERIAL THAT IS HEALTHY NURSERY STOCK, WELL BRANCHED, AND FULL FOLIATED WHEN IN LEAF; AND FREE FROM DISEASE, INJURY, INSECTS, WEEDS AND WEED ROOTS. PLANT MATERIALS NOT MEETING SPECIFICATION REQUIREMENTS WILL BE REJECTED.

- 27. ASSEMBLE ALL PLANTS FOR EACH INSPECTION AT ONE LOCATION FOR INSPECTION TO BE COMPLETED IN ONE VISIT. ANY FURTHER INSPECTION REQUIRED DUE TO PLANTS BEING UNAVAILABLE, REJECTED, 40. MAINTAIN TREES, SHRUBS, AND GROUND COVER BY TRIMMING, PRUNING, CULTIVATING, WATERING, AND OR NOT MEETING SPECIFICATIONS SHALL BE CHARGED TO THE CONTRACTOR AT THE CURRENT HOURLY RATE FOR THE LANDSCAPE ARCHITECT PERFORMING THE INSPECTION.
- 28. OWNER RETAINS RIGHT TO OBSERVE TREES AND SHRUBS FURTHER FOR SIZE AND CONDITION OF BALLS AND ROOT SYSTEMS, INSECTS, INJURIES, AND LATENT DEFECTS AND TO REJECT
- UNSATISFACTORY OR DEFECTIVE MATERIAL AT ANY TIME DURING PROGRESS OF WORK. 29. REMOVE REJECTED TREES OR SHRUBS FROM PROJECT SITE WITHIN 24 HOURS. 30. REPLACE PLANT MATERIALS REJECTED BY OWNER AT NO ADDITIONAL EXPENSE TO OWNER

PLANT LAYOUT AND INSPECTION

- ALL PLANTS SHALL BE INSTALLED ACCORDING TO AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1) AS WELL AS DETAIL DRAWINGS AND SPECIFICATIONS.
- 32. LAYOUT OF MAJOR PLANTING AREAS AS INDICATED IN THE DRAWINGS ARE APPROXIMATE ONLY; OUTLINE IN THE FIELD LOCATIONS AND IDENTITY OF ALL TREES, SHRUBS AND GROUND COVERS,

- SUBJECT TO REVIEW AND APPROVAL.
- ADJUST PLANT MATERIAL LOCATION TO MEET FIELD CONDITIONS. DO NOT COMMENCE WITH PLANTING UNTIL OWNER HAS APPROVED THE LOCATION AND LAYOUT OF
 - ALL PLANT BEDS. IF WORK IS NOT PROMPTLY OR PROPERLY PERFORMED BY THE CONTRACTOR, THE OWNER WILL, AT THEIR DISCRETION, HAVE THE WORK PERFORMED BY OTHERS. THE COST OF THE WORK BY OTHERS
- WILL BE DEDUCTED FROM THE CONTRACT AMOUNT. 36. MULCH ALL SHRUBS AND GROUND COVER PLANTING BEDS WITH A 2 INCH LAYER OF IMPORTED MULCH
- MATERIAL WITHIN 2 DAYS AFTER PLANTING. COVER ENTIRE BED AREAS; APPLY EVENLY.

 1.MAINTAIN LANDSCAPE PLANTINGS FROM INSTALLATION UNTIL FINAL ACCEPTANCE. WEEDING, FERTILIZING, RESTORING PLANTING SAUCERS, TIGHTENING AND REPAIRING STAKES AND

38. SHOVEL-CUT EDGING: SEPARATE MULCHED AREAS FROM TURF AREAS, CURBS, AND PAVING WITH A 45

GUY SUPPORTS, AND RESETTING TO PROPER GRADES OR VERTICAL POSITION, AS REQUIRED TO ESTABLISH HEALTHY, VIABLE PLANTINGS. 41. WATER TREES BY DEEP ROOT WATERING METHOD.

DEGREE, 4 TO 6 INCH DEEP, SHOVEL-CUT EDGE.

WEEDING AND CLEANUP

- 42. KEEP ALL LANDSCAPE AREAS CLEAN AND WEED FREE. KEEP ALL BUILDINGS, PAVEMENTS, AND OTHER EXTERIOR IMPROVEMENTS CLEAN AND FREE OF SOIL AND DEBRIS. 43. WEED ALL BEDS WEEKLY.
- 44. APPLY A 2 INCH LAYER OF MULCH MATERIAL TO SAUCER AREAS OF TREES AND SHRUBS LOCATED OUTSIDE OF PLANTING BEDS. PLACE MULCH NO CLOSER THAN 4 INCHES FROM TRUNKS OF WOODY PLANT MATERIAL AND AWAY FROM THE CROWNS OF HERBACEOUS PLANTS.

PLANT SCH	EDUI CODE	_ E	BOTANICAL NAME	COMMON NAME	SIZE	
(·)	AF	28	ACER RUBRUM 'FRANKSRED' TM MEDIUM	RED SUNSET MAPLE	1.5" CAL.	
£~~~~	OD	44	OADDINUO DETUUMO	FUDODEAN HODRIDEAN	4.5% 0.04	
	СВ	14	CARPINUS BETULUS	EUROPEAN HORNBEAM	1.5" CAL.	
	со	14	CELTIS OCCIDENTALIS LARGE	COMMON HACKBERRY	1.5" CAL.	
	GI	12	GLEDITSIA TRIACANTHOS INERMIS 'TRUESHADE' SMALL	THORNLESS HONEY LOCUST	1.5" CAL.	
\bigcirc	НМ	6	HALESIA MONTRICOLA SMALL	SNOWDROP TREE	1.5" CAL.	
£	NH	13	NYSSA SYLVATICA 'HAYMAN'S RED' MEDIUM	RED RAGE TUPELO	1.5" CAL.	
AND ONCE OF THE PROPERTY OF TH	PT3	15	POPULUS TREMULOIDES	QUAKING ASPEN	1.5" CAL.	
200	QR	15	QUERCUS RUBRA LARGE	RED OAK	1.5" CAL.	
	RP2	18	RHAMNUS PURSHIANA	CASCARA	1.5" CAL.	
00000000000000000000000000000000000000	UC	11	ULMUS X 'FRONTIER' MEDIUM	AMERICAN ELM	1.5" CAL.	
	ZV	22	ZELKOVA SERRATA 'VILLAGE GREEN' LARGE	SAWLEAF ZELKOVA	1.5" CAL.	
EVERGREEN TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	
	CL	1	X CUPRESSOCYPARIS LEYLANDII LARGE	LEYLANDI CYPRESS	5` HT.	
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
	AE	79	ABELIA X GRANDIFLORA 'EDWARD GOUCHER'	GLOSSY ABELIA	1 GAL.	60" o.c.
	AC2	18	ARBUTUS UNEDO 'COMPACTA'	DWARF STRAWBERRY TREE	1 GAL.	120" o.c.
\odot	CF	61	CEANOTHUS THYRSIFLORUS 'VICTORIA'	VICTORIA CEANOTHUS	1 GAL.	60" o.c.
	СТ	52	CHOISYA TERNATA	MEXICAN ORANGE	1 GAL.	60" o.c.
Survey of the state of the stat	GS	227	GAULTHERIA SHALLON	SALAL	1 GAL.	48" o.c.
\bigcirc	MA	204	MAHONIA AQUIFOLIUM	OREGON GRAPE	1 GAL.	48" o.c.
\odot	NA	66	NANDINA DOMESTICA 'FIRE POWER'	DWARF NANDINA	1 GAL.	36" o.c.
	NS	167	NANDINA DOMESTICA 'GULF STREAM'	HEAVENLY BAMBOO	1 GAL.	36" o.c.
⊗	PA	112	PENNISETUM ALOPECUROIDES	FOUNTAIN GRASS	1 GAL.	36" o.c.
\odot	PV	46	PIERIS JAPONICA 'VALLEY ROSE'	VALLEY ROSE JAPANESE PIERIS	1 GAL.	60" o.c.
Θ	PL	136	PRUNUS LAUROCERASUS 'MOUNT VERNON'	MOUNT VERNON ENGLISH LAUREL	1 GAL.	36" o.c.
	RR	33	RHODODENDRON X 'JEAN MARIE DE MONTAGUE'	JEAN MARIE DE MONTAGUE RHODODENDRON	1 GAL.	72" o.c.
\odot	RS	43	RIBES SANGUINEUM	RED FLOWERING CURRANT	1 GAL.	60" o.c.
***	RG	65	ROSA GYMNOCARPA	DWARF ROSE	1 GAL.	48" o.c.
\odot	VO	102	VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	1 GAL.	48" o.c.
	VS	62	VIBURNUM TINUS 'SPRING BOUQUET'	SPRING BOUQUET LAURESTINUS	1 GAL.	60" o.c.
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
	CD	1,017	COTONEASTER DAMMERI	BEARBERRY COTONEASTER	4" POT	24" o.c.
	FL	5,763	FRAGARIA CHILOENSIS 'LIPSTICK'	BEACH STRAWBERRY	1 GAL.	18" o.c.
	MR	1,148	MAHONIA REPENS	CREEPING MAHONIA	1 GAL.	24" o.c.
++++++++++++++++++++++++++++++++++++++	RE2	191	RUBUS CALYCINOIDES 'EMERALD CARPET'	EMERALD CARPET CREEPING RASPBERRY	1 GAL.	24" o.c.
	27,050 SF	-	LAWN			

SHEET TITLE **ENLARGED** LANDSCAPE

PLAN 08/02/2021 DRAWN: CHECKED:

REVISIONS:

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MATCHLINE SEE SHEET L1.1

- STANDARDS AND THE OREGON STRUCTURAL SPECIALTY CODE.
- CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT AT LEAST TWO WEEKS PRIOR TO START OF LANDSCAPE WORK TO REVIEW PLANT SUBSTITUTIONS & JURISDICTIONAL REQUIREMENTS.
- 3. SUBSTITUTIONS WILL NOT BE ACCEPTED UNLESS SPECIFICALLY ACCEPTED IN WRITING BY THE OWNER OR OWNER'S REPRESENTATIVE. VERIFY ALL EXISTING CONDITIONS, INCLUDING LOCATION OF PROPERTY LINES, PRIOR TO BEGINNING ANY
- WORK. REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY. DO NOT WILLFULLY PROCEED WITH CONSTRUCTION WHEN UNKNOWN OBSTRUCTIONS AND/OR DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. IMMEDIATELY NOTIFY OWNER'S REPRESENTATIVE OF UNKNOWN OBSTRUCTIONS AND/OR DIFFERENCES. PRIOR TO REMOVING ANY EXISTING FEATURES, REVIEW AND CONFIRM EXTENT OF DEMOLITION WITH OWNER'S REPRESENTATIVE.
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- REMOVE FROM THE SITE AND LEGALLY DISPOSE OF ALL DEBRIS AND EXCAVATED MATERIAL NOT REQUIRED FOR FILL. NO RUBBISH OR DEBRIS SHALL BE BURIED ON THE SITE. MAINTAIN ALL ROADWAYS AND PAVED PATHWAYS CLEAN AND FREE OF CONSTRUCTION MATERIALS AND
- DEBRIS, PROVIDING NECESSARY DUST CONTROL WHERE REQUIRED. 10. COORDINATE AND SCHEDULE ALL WORK WITH THE OWNER'S REPRESENTATIVE 11. INSTALL EROSION CONTROL SYSTEMS IN ACCORDANCE WITH CITY OF XXXXXXXX STANDARDS PRIOR TO
- SITE WORK AND LANDSCAPE INSTALLATION. CONTRACTOR SHALL PROVIDE TOPSOIL, SOIL AMENDMENTS, AND EROSION CONTROL.
- 13. CONTRACTOR SHALL SUBMIT CERTIFIED TOPSOIL ANALYSIS REPORT FOR OWNER'S APPROVAL PRIOR TO

 PLANT LAYOUT AND INSPECTION PLANT INSTALLATION. SEE SPECS.
- 14. CONTRACTOR IS RESPONSIBLE FOR ANY AMENDMENTS TO SOIL PH FERTILITY AND/OR DRAINAGE CONDITIONS NECESSARY TO ENSURE PROPER GROWING CONDITIONS FOR PROPOSED PLANTINGS. SEE

- 16. ALL PLANTS SHALL BE IRRIGATED BY A FULLY AUTOMATED, PERMANENT IRRIGATION SYSTEM UNLESS
- OTHERWISE NOTED. SEE SPECS. 17. PRIOR TO FINAL ACCEPTANCE, CONTRACTOR SHALL PROVIDE OWNER WITH AS-BUILT PLANS OF THE INSTALLATION, COPIES OF ALL OPERATION MANUALS AND WARRANTY DOCUMENTS.
- 18. ALL NEW PLANTS IN LANDSCAPE AREAS SHALL BE WARRANTED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. 19. COORDINATE INSTALLATION PLANTING MATERIALS WITH IRRIGATION. PLANT ONLY IN AREAS WHERE THE IRRIGATION SYSTEM IS COMPLETE AND FULLY OPERATIONAL.

PLANT HEALTH AND REPLACEMENT

25. PROVIDE PLANT MATERIAL THAT IS HEALTHY NURSERY STOCK, WELL BRANCHED, AND FULL FOLIATED WHEN IN LEAF; AND FREE FROM DISEASE, INJURY, INSECTS, WEEDS AND WEED ROOTS. PLANT MATERIALS NOT MEETING SPECIFICATION REQUIREMENTS WILL BE REJECTED.

INITIAL INSPECTION OF PLANT MATERIAL

- 27. ASSEMBLE ALL PLANTS FOR EACH INSPECTION AT ONE LOCATION FOR INSPECTION TO BE COMPLETED IN ONE VISIT. ANY FURTHER INSPECTION REQUIRED DUE TO PLANTS BEING UNAVAILABLE, REJECTED, AND OR NOT MEETING SPECIFICATIONS SHALL BE CHARGED TO THE CONTRACTOR AT THE CURRENT HOURLY RATE FOR THE LANDSCAPE ARCHITECT PERFORMING THE INSPECTION.
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- 29. REMOVE REJECTED TREES OR SHRUBS FROM PROJECT SITE WITHIN 24 HOURS. 30. REPLACE PLANT MATERIALS REJECTED BY OWNER AT NO ADDITIONAL EXPENSE TO OWNER.

- ALL PLANTS SHALL BE INSTALLED ACCORDING TO AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1) AS WELL AS DETAIL DRAWINGS AND SPECIFICATIONS. 32. LAYOUT OF MAJOR PLANTING AREAS AS INDICATED IN THE DRAWINGS ARE APPROXIMATE ONLY; OUTLINE
- IN THE FIELD LOCATIONS AND IDENTITY OF ALL TREES, SHRUBS AND GROUND COVERS, SUBJECT TO

- 33. INSPECTION: NOTIFY THE OWNER 48 HOURS PRIOR TO BEGINNING PLANTING. THE OWNER MAY ADJUST PLANT MATERIAL LOCATION TO MEET FIELD CONDITIONS.
- 34. DO NOT COMMENCE WITH PLANTING UNTIL OWNER HAS APPROVED THE LOCATION AND LAYOUT OF ALL PLANT BEDS.
- 35. IF WORK IS NOT PROMPTLY OR PROPERLY PERFORMED BY THE CONTRACTOR, THE OWNER WILL, AT THEIR DISCRETION, HAVE THE WORK PERFORMED BY OTHERS. THE COST OF THE WORK BY OTHERS WILL BE DEDUCTED FROM THE CONTRACT AMOUNT.
- 36. MULCH ALL SHRUBS AND GROUND COVER PLANTING BEDS WITH A 2 INCH LAYER OF IMPORTED MULCH MATERIAL WITHIN 2 DAYS AFTER PLANTING. 37. COVER ENTIRE BED AREAS; APPLY EVENLY.

38. SHOVEL-CUT EDGING: SEPARATE MULCHED AREAS FROM TURF AREAS, CURBS, AND PAVING WITH A 45 DEGREE, 4 TO 6 INCH DEEP, SHOVEL-CUT EDGE.

- 39. 1. MAINTAIN LANDSCAPE PLANTINGS FROM INSTALLATION UNTIL FINAL ACCEPTANCE. 40. MAINTAIN TREES, SHRUBS, AND GROUND COVER BY TRIMMING, PRUNING, CULTIVATING. WATERING. WEEDING, FERTILIZING, RESTORING PLANTING SAUCERS, TIGHTENING AND REPAIRING STAKES AND GUY SUPPORTS, AND RESETTING TO PROPER GRADES OR VERTICAL POSITION, AS REQUIRED TO ESTABLISH
- HEALTHY, VIABLE PLANTINGS. 41. WATER TREES BY DEEP ROOT WATERING METHOD.

WEEDING AND CLEANUP

- 42. KEEP ALL LANDSCAPE AREAS CLEAN AND WEED FREE. KEEP ALL BUILDINGS, PAVEMENTS, AND OTHER EXTERIOR IMPROVEMENTS CLEAN AND FREE OF SOIL AND DEBRIS.
- 44. APPLY A 2 INCH LAYER OF MULCH MATERIAL TO SAUCER AREAS OF TREES AND SHRUBS LOCATED OUTSIDE OF PLANTING BEDS. PLACE MULCH NO CLOSER THAN 4 INCHES FROM TRUNKS OF WOODY PLANT MATERIAL AND AWAY FROM THE CROWNS OF HERBACEOUS PLANTS.

PLANT SCH TREES	HEDU CODE	LE QTY	BOTANICAL NAME	COMMON NAME	SIZE	
(·)	AF	28	ACER RUBRUM 'FRANKSRED' TM MEDIUM	RED SUNSET MAPLE	1.5" CAL.	
£.3	СВ	14	CARPINUS BETULUS	EUROPEAN HORNBEAM	1.5" CAL.	
· ·	СО	14	CELTIS OCCIDENTALIS LARGE	COMMON HACKBERRY	1.5" CAL.	
	GI	12	GLEDITSIA TRIACANTHOS INERMIS 'TRUESHADE'	THORNLESS HONEY LOCUST	1.5" CAL.	
			SMALL			
	HM	6	HALESIA MONTRICOLA SMALL	SNOWDROP TREE	1.5" CAL.	
£ • 3	NH	13	NYSSA SYLVATICA 'HAYMAN'S RED' MEDIUM	RED RAGE TUPELO	1.5" CAL.	
AND O COCK	PT3	15	POPULUS TREMULOIDES	QUAKING ASPEN	1.5" CAL.	
\(\frac{1}{2}\)	QR	15	QUERCUS RUBRA LARGE	RED OAK	1.5" CAL.	
\bigcirc	RP2	18	RHAMNUS PURSHIANA	CASCARA	1.5" CAL.	
00000000000000000000000000000000000000	UC	11	ULMUS X 'FRONTIER' MEDIUM	AMERICAN ELM	1.5" CAL.	
[·]	ZV	22	ZELKOVA SERRATA 'VILLAGE GREEN' LARGE	SAWLEAF ZELKOVA	1.5" CAL.	
EVERGREEN TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	
	CL	1	X CUPRESSOCYPARIS LEYLANDII LARGE	LEYLANDI CYPRESS	5` HT.	
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
	AE	79	ABELIA X GRANDIFLORA 'EDWARD GOUCHER'	GLOSSY ABELIA	1 GAL.	60" o.c.
	AC2	18	ARBUTUS UNEDO 'COMPACTA'	DWARF STRAWBERRY TREE	1 GAL.	120" o.c.
\odot	CF	61	CEANOTHUS THYRSIFLORUS 'VICTORIA'	VICTORIA CEANOTHUS	1 GAL.	60" o.c.
\odot	СТ	52	CHOISYA TERNATA	MEXICAN ORANGE	1 GAL.	60" o.c.
MANUFACTOR OF THE STATE OF THE	GS	227	GAULTHERIA SHALLON	SALAL	1 GAL.	48" o.c.
\odot	MA	204	MAHONIA AQUIFOLIUM	OREGON GRAPE	1 GAL.	48" o.c.
\odot	NA	66	NANDINA DOMESTICA 'FIRE POWER'	DWARF NANDINA	1 GAL.	36" o.c.
	NS	167	NANDINA DOMESTICA 'GULF STREAM'	HEAVENLY BAMBOO	1 GAL.	36" o.c.
\otimes	PA	112	PENNISETUM ALOPECUROIDES	FOUNTAIN GRASS	1 GAL.	36" o.c.
\odot	PV	46	PIERIS JAPONICA 'VALLEY ROSE'	VALLEY ROSE JAPANESE PIERIS	1 GAL.	60" o.c.
\otimes	PL	136	PRUNUS LAUROCERASUS 'MOUNT VERNON'	MOUNT VERNON ENGLISH LAUREL	1 GAL.	36" o.c.
	RR	33	RHODODENDRON X 'JEAN MARIE DE MONTAGUE'	JEAN MARIE DE MONTAGUE RHODODENDRON	1 GAL.	72" o.c.
\odot	RS	43	RIBES SANGUINEUM	RED FLOWERING CURRANT	1 GAL.	60" o.c.
<i>(</i> ;)	RG	65	ROSA GYMNOCARPA	DWARF ROSE	1 GAL.	48" o.c.
\odot	VO	102	VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	1 GAL.	48" o.c.
\odot	VS	62	VIBURNUM TINUS 'SPRING BOUQUET'	SPRING BOUQUET LAURESTINUS	1 GAL.	60" o.c.
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
	CD	1,017	COTONEASTER DAMMERI	BEARBERRY COTONEASTER	4" POT	24" o.c.
	FL	5,763	FRAGARIA CHILOENSIS 'LIPSTICK'	BEACH STRAWBERRY	1 GAL.	18" o.c.
	MR	1,148	MAHONIA REPENS	CREEPING MAHONIA	1 GAL.	24" o.c.
	HRE2	191	RUBUS CALYCINOIDES 'EMERALD CARPET'	EMERALD CARPET CREEPING RASPBERRY	1 GAL.	24" o.c.
	27,050 S	F	LAWN			



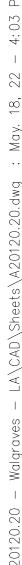
SHEET TITLE **ENLARGED** LANDSCAPE

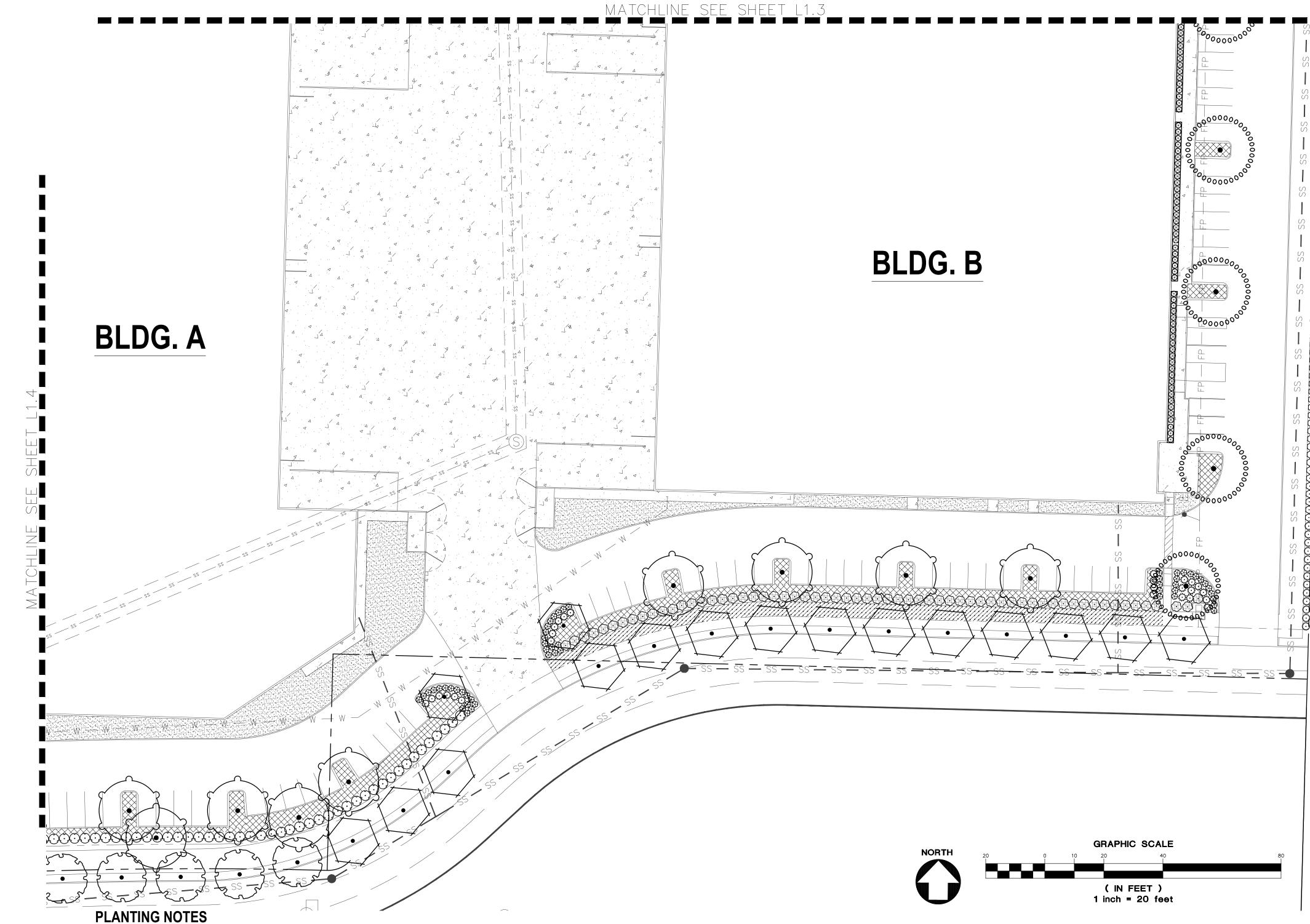
PLAN 08/02/2021 DRAWN: CHECKED:

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- CITY OF TUALATIN STANDARDS AND THE OREGON STRUCTURAL SPECIALTY
- CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT AT LEAST TWO WEEKS PRIOR TO START OF LANDSCAPE WORK TO REVIEW PLANT SUBSTITUTIONS & 13. CONTRACTOR SHALL SUBMIT CERTIFIED TOPSOIL ANALYSIS REPORT FOR
- WRITING BY THE OWNER OR OWNER'S REPRESENTATIVE.
- VERIFY ALL EXISTING CONDITIONS, INCLUDING LOCATION OF PROPERTY LINES, PRIOR TO BEGINNING ANY WORK. REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- DO NOT WILLFULLY PROCEED WITH CONSTRUCTION WHEN UNKNOWN OBSTRUCTIONS AND/OR DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN IRRIGATION SYSTEM UNLESS OTHERWISE NOTED. SEE SPECS. DURING DESIGN. IMMEDIATELY NOTIFY OWNER'S REPRESENTATIVE OF UNKNOWN OBSTRUCTIONS AND/OR DIFFERENCES. PRIOR TO REMOVING ANY EXISTING FEATURES, REVIEW AND CONFIRM EXTENT OF DEMOLITION WITH
- PROTECT EXISTING ITEMS TO REMAIN DURING CONSTRUCTION. ANY DAMAGE TO OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. EXISTING ITEMS DESIGNATED TO REMAIN I.E. CURBS, WALKS, PLANT MATERIAL, 19. COORDINATE INSTALLATION PLANTING MATERIALS WITH IRRIGATION. PLANT 32. LAWN OR FENCES SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST
- OR BOXES PRIOR TO EXCAVATION. MARK AND PROTECT ALL UTILITIES, SITE PLANT HEALTH AND REPLACEMENT FEATURES AND VEGETATION TO REMAIN IN PLACE. ANY DAMAGE TO ANY KNOWN25. PROVIDE PLANT MATERIAL THAT IS HEALTHY NURSERY STOCK, WELL EXISTING UTILITY ELEMENTS SHALL BE REPAIRED PROPERLY AND IMMEDIATELY. REMOVE FROM THE SITE AND LEGALLY DISPOSE OF ALL DEBRIS AND
- EXCAVATED MATERIAL NOT REQUIRED FOR FILL. NO RUBBISH OR DEBRIS SHALL 26. PLANT MATERIALS NOT MEETING SPECIFICATION REQUIREMENTS WILL BE BE BURIED ON THE SITE.
- MAINTAIN ALL ROADWAYS AND PAVED PATHWAYS CLEAN AND FREE OF CONSTRUCTION MATERIALS AND DEBRIS, PROVIDING NECESSARY DUST CONTROL WHERE REQUIRED.
- 10. COORDINATE AND SCHEDULE ALL WORK WITH THE OWNER'S REPRESENTATIVE.

- 1. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT 11. INSTALL EROSION CONTROL SYSTEMS IN ACCORDANCE WITH CITY OF TUALATIN 27. ASSEMBLE ALL PLANTS FOR EACH INSPECTION AT ONE LOCATION FOR STANDARDS PRIOR TO SITE WORK AND LANDSCAPE INSTALLATION. 12. CONTRACTOR SHALL PROVIDE TOPSOIL, SOIL AMENDMENTS, AND EROSION
- CONTROL OWNER'S APPROVAL PRIOR TO PLANT INSTALLATION. SEE SPECS. 3. SUBSTITUTIONS WILL NOT BE ACCEPTED UNLESS SPECIFICALLY ACCEPTED IN 14. CONTRACTOR IS RESPONSIBLE FOR ANY AMENDMENTS TO SOIL PH FERTILITY 28. AND/OR DRAINAGE CONDITIONS NECESSARY TO ENSURE PROPER GROWING
 - CONDITIONS FOR PROPOSED PLANTINGS. SEE SPECS. 15. CONTRACTOR SHALL FOLLOW PROVIDER'S INSTRUCTIONS AND RECOMMENDATIONS FOR SEEDING.
 - 16. ALL PLANTS SHALL BE IRRIGATED BY A FULLY AUTOMATED, PERMANENT 17. PRIOR TO FINAL ACCEPTANCE, CONTRACTOR SHALL PROVIDE OWNER WITH AS-BUILT PLANS OF THE INSTALLATION, COPIES OF ALL OPERATION MANUALS PLANT LAYOUT AND INSPECTION AND WARRANTY DOCUMENTS.
 - 18. ALL NEW PLANTS IN LANDSCAPE AREAS SHALL BE WARRANTED FOR A PERIOD ONLY IN AREAS WHERE THE IRRIGATION SYSTEM IS COMPLETE AND FULLY
- 7. VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES, LINES, PIPES, VAULTS,
 - BRANCHED, AND FULL FOLIATED WHEN IN LEAF; AND FREE FROM DISEASE, INJURY, INSECTS, WEEDS AND WEED ROOTS.
 - INITIAL INSPECTION OF PLANT MATERIAL

- INSPECTION TO BE COMPLETED IN ONE VISIT. ANY FURTHER INSPECTION REQUIRED DUE TO PLANTS BEING UNAVAILABLE, REJECTED, AND OR NOT CURRENT HOURLY RATE FOR THE LANDSCAPE ARCHITECT PERFORMING THE
- OWNER RETAINS RIGHT TO OBSERVE TREES AND SHRUBS FURTHER FOR SIZE MAINTENANCE AND CONDITION OF BALLS AND ROOT SYSTEMS, INSECTS, INJURIES, AND LATENT DEFECTS AND TO REJECT UNSATISFACTORY OR DEFECTIVE MATERIAL AT ANY TIME DURING PROGRESS OF WORK.
- 29. REMOVE REJECTED TREES OR SHRUBS FROM PROJECT SITE WITHIN 24 HOURS. 30. REPLACE PLANT MATERIALS REJECTED BY OWNER AT NO ADDITIONAL EXPENSE

- 31. ALL PLANTS SHALL BE INSTALLED ACCORDING TO AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1) AS WELL AS DETAIL DRAWINGS AND SPECIFICATIONS.
- LAYOUT OF MAJOR PLANTING AREAS AS INDICATED IN THE DRAWINGS ARE APPROXIMATE ONLY; OUTLINE IN THE FIELD LOCATIONS AND IDENTITY OF ALL TREES, SHRUBS AND GROUND COVERS, SUBJECT TO REVIEW AND APPROVAL. 43. WEED ALL BEDS WEEKLY. 33. INSPECTION: NOTIFY THE OWNER 48 HOURS PRIOR TO BEGINNING PLANTING. 44. APPLY A 2 INCH LAYER OF MULCH MATERIAL TO SAUCER AREAS OF TREES AND THE OWNER MAY ADJUST PLANT MATERIAL LOCATION TO MEET FIELD
- CONDITIONS. DO NOT COMMENCE WITH PLANTING UNTIL OWNER HAS APPROVED THE LOCATION AND LAYOUT OF ALL PLANT BEDS.
- IF WORK IS NOT PROMPTLY OR PROPERLY PERFORMED BY THE CONTRACTOR, THE OWNER WILL, AT THEIR DISCRETION, HAVE THE WORK PERFORMED BY OTHERS. THE COST OF THE WORK BY OTHERS WILL BE DEDUCTED FROM THE
- 36. MULCH ALL SHRUBS AND GROUND COVER PLANTING BEDS WITH A 2 INCH LAYER OF IMPORTED MULCH MATERIAL WITHIN 2 DAYS AFTER PLANTING.

37. COVER ENTIRE BED AREAS; APPLY EVENLY.

EDGING INSTALLATION

MEETING SPECIFICATIONS SHALL BE CHARGED TO THE CONTRACTOR AT THE 38. SHOVEL-CUT EDGING: SEPARATE MULCHED AREAS FROM TURF AREAS, CURBS, AND PAVING WITH A 45 DEGREE, 4 TO 6 INCH DEEP, SHOVEL-CUT EDGE.

39. 1.MAINTAIN LANDSCAPE PLANTINGS FROM INSTALLATION UNTIL FINAL ACCEPTANCE.

- 40. MAINTAIN TREES, SHRUBS, AND GROUND COVER BY TRIMMING, PRUNING, CULTIVATING, WATERING, WEEDING, FERTILIZING, RESTORING PLANTING SAUCERS, TIGHTENING AND REPAIRING STAKES AND GUY SUPPORTS, AND RESETTING TO PROPER GRADES OR VERTICAL POSITION, AS REQUIRED TO
- ESTABLISH HEALTHY, VIABLE PLANTINGS. 41. WATER TREES BY DEEP ROOT WATERING METHOD.

WEEDING AND CLEANUP

- 42. KEEP ALL LANDSCAPE AREAS CLEAN AND WEED FREE. KEEP ALL BUILDINGS, PAVEMENTS, AND OTHER EXTERIOR IMPROVEMENTS CLEAN AND FREE OF SOIL
- AND DEBRIS.
- SHRUBS LOCATED OUTSIDE OF PLANTING BEDS. PLACE MULCH NO CLOSER THAN 4 INCHES FROM TRUNKS OF WOODY PLANT MATERIAL AND AWAY FROM THE CROWNS OF HERBACEOUS PLANTS.

PLANT SCH TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE		
(·)	AF	28	ACER RUBRUM 'FRANKSRED' TM MEDIUM	RED SUNSET MAPLE	1.5" CAL.		
£.3	СВ	14	CARPINUS BETULUS	EUROPEAN HORNBEAM	1.5" CAL.		
	СО	14	CELTIS OCCIDENTALIS	COMMON HACKBERRY	1.5" CAL.		
			LARGE GLEDITSIA TRIACANTHOS INERMIS 'TRUESHADE'				
	GI	12	SMALL	THORNLESS HONEY LOCUST	1.5" CAL.		
\bigcirc	НМ	6	HALESIA MONTRICOLA SMALL	SNOWDROP TREE	1.5" CAL.		
£ • 3	NH	13	NYSSA SYLVATICA 'HAYMAN'S RED' MEDIUM	RED RAGE TUPELO	1.5" CAL.		
33.0 - Act	PT3	15	POPULUS TREMULOIDES	QUAKING ASPEN	1.5" CAL.		
£.,}	QR	15	QUERCUS RUBRA LARGE	RED OAK	1.5" CAL.		
$\overline{(\cdot)}$	RP2	18	RHAMNUS PURSHIANA	CASCARA	1.5" CAL.		
00000000000000000000000000000000000000	UC	11	ULMUS X `FRONTIER` MEDIUM	AMERICAN ELM	1.5" CAL.		
•	ZV	22	ZELKOVA SERRATA `VILLAGE GREEN` LARGE	SAWLEAF ZELKOVA	1.5" CAL.		
EVERGREEN TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE		
	CL	1	X CUPRESSOCYPARIS LEYLANDII LARGE	LEYLANDI CYPRESS	5` HT.		
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPAC	
\bigoplus	AE	79	ABELIA X GRANDIFLORA 'EDWARD GOUCHER'	GLOSSY ABELIA	1 GAL.	60" o	
	AC2	18	ARBUTUS UNEDO 'COMPACTA'	DWARF STRAWBERRY TREE	1 GAL.	120" (
\odot	CF	61	CEANOTHUS THYRSIFLORUS 'VICTORIA'	VICTORIA CEANOTHUS	1 GAL.	60" o	
\odot	СТ	52	CHOISYA TERNATA	MEXICAN ORANGE	1 GAL.	60" o	
MUNULLIA SALES	GS	227	GAULTHERIA SHALLON	SALAL	1 GAL.	48" o	
\odot	MA	204	MAHONIA AQUIFOLIUM	OREGON GRAPE	1 GAL.	48" o	
\odot	NA	66	NANDINA DOMESTICA 'FIRE POWER'	DWARF NANDINA	1 GAL.	36" o.	
	NS	167	NANDINA DOMESTICA 'GULF STREAM'	HEAVENLY BAMBOO	1 GAL.	36" o	
\otimes	PA	112	PENNISETUM ALOPECUROIDES	FOUNTAIN GRASS	1 GAL.	36" o	
\odot	PV	46	PIERIS JAPONICA 'VALLEY ROSE'	VALLEY ROSE JAPANESE PIERIS	1 GAL.	60" o.	
\otimes	PL	136	PRUNUS LAUROCERASUS 'MOUNT VERNON'	MOUNT VERNON ENGLISH LAUREL	1 GAL.	36" o.	
	RR	33	RHODODENDRON X 'JEAN MARIE DE MONTAGUE'	JEAN MARIE DE MONTAGUE RHODODENDRON	1 GAL.	72" o.	
\odot	RS	43	RIBES SANGUINEUM	RED FLOWERING CURRANT	1 GAL.	60" o.	
₩	RG	65	ROSA GYMNOCARPA	DWARF ROSE	1 GAL.	48" o	
\odot	VO	102	VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	1 GAL.	48" o	
	VS	62	VIBURNUM TINUS `SPRING BOUQUET`	SPRING BOUQUET LAURESTINUS	1 GAL.	60" o.	
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPAC	
	CD FL	1,017 5,763	COTONEASTER DAMMERI FRAGARIA CHILOENSIS 'LIPSTICK'	BEARBERRY COTONEASTER BEACH STRAWBERRY	4" POT	24" o	
	MR	1,148	MAHONIA REPENS	CREEPING MAHONIA	1 GAL.	24" 0	
	RE2	191	RUBUS CALYCINOIDES 'EMERALD CARPET'	EMERALD CARPET CREEPING RASPBERRY	1 GAL.	24" 0.	
+++++++++++++++++++++++++++++++++++++++	27,050 SF		LAWN				
	,						

SHEET TITLE **ENLARGED** LANDSCAPE

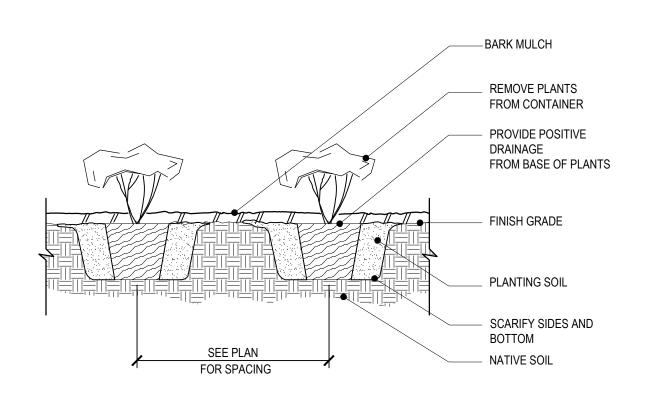
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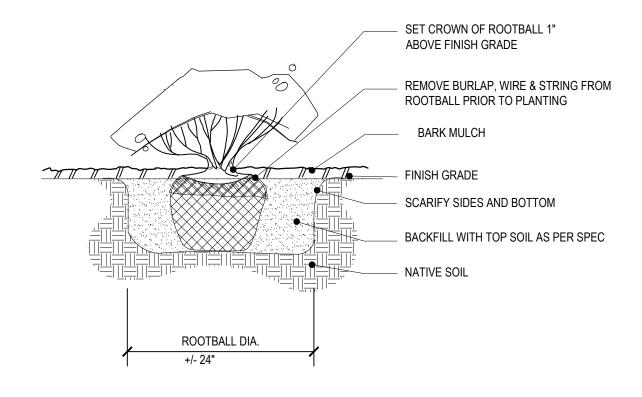
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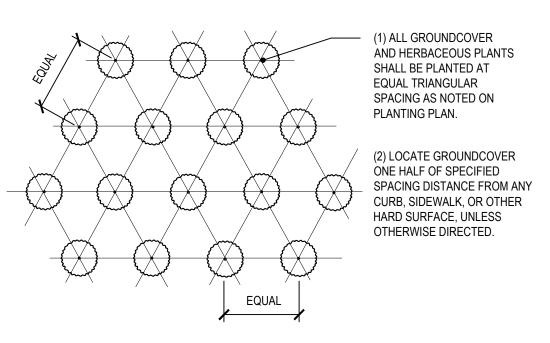
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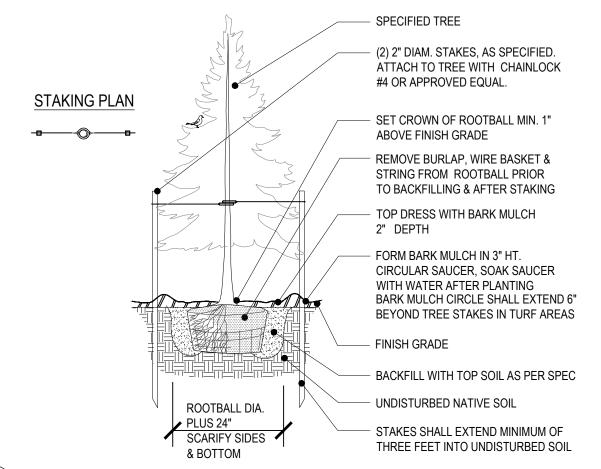
1 GROUNDCOVER & HERBACEOUS PLANT PLANTING DETAIL L2.0 / SCALE: NTS



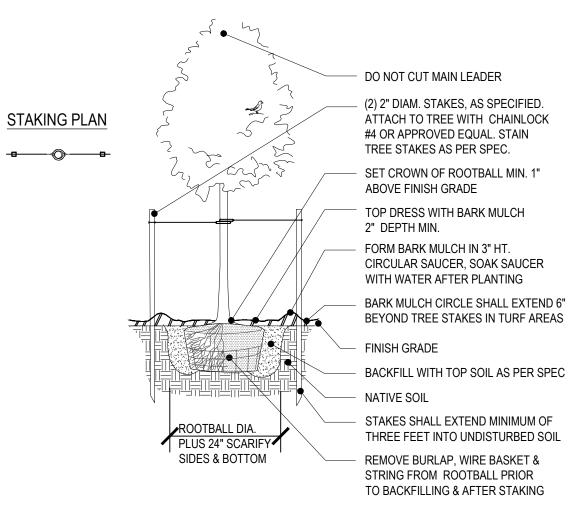
SHRUB PLANTING L2.0 / SCALE: NTS



2 GROUNDCOVER & HERBACEOUS PLANT PLANTING PLAN L2.0 / SCALE: NTS



5 CONIFER TREE PLANTING DETAIL L2.0 SCALE: NTS



DECIDUOUS TREE PLANTING DETAIL L2.0 / SCALE: NTS

SHEET TITLE

LANDSCAPE **DETAILS**

DATE:	08/02/2021
DRAWN:	KPM
CHECKED:	CNH

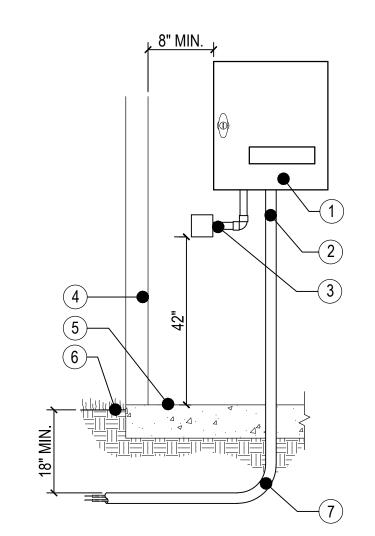
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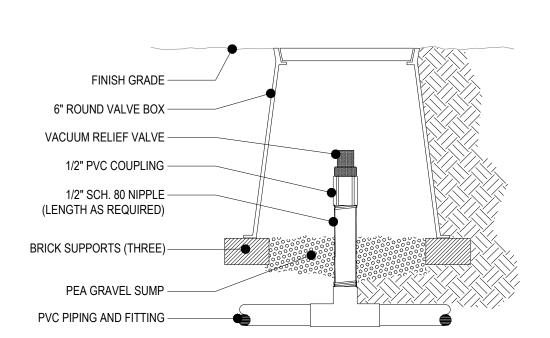
LEGEND

- (1) AUTOMATIC CONTROLLER WITH LOCKING ACCESS DOOR.
- 2" DIA. P.V.C. CONDUIT FOR COMMON AND CONTROL WIRES TO 5' BEYOND EDGE OF BUILDING.
- CONDUIT FOR 120 VOLT ELECTRICAL SERVICE WITH JUNCTION BOX.
- 4 BUILDING WALL.
- 5 BUILDING FLOOR.
- 6 FINISH GRADE.
- (7) SWEEP EL ON ALL ELECTRICAL CONDUIT.

- ALL WIRES TO BE INSTALLED AS PER LOCAL CODE.
- VERIFY LOCATION PRIOR TO INSTALLATION.
- INSTALL CONTROLLER PER MANUFATURER'S INSTRUCTIONS.

WALL MOUNTED CONTROLLER

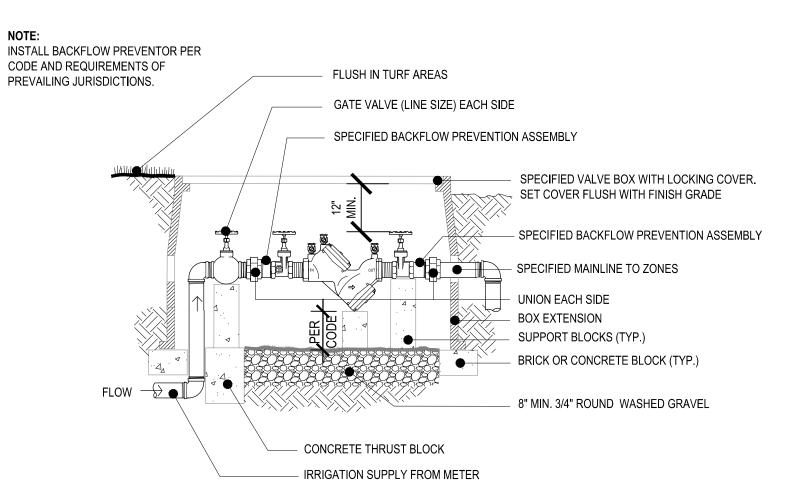
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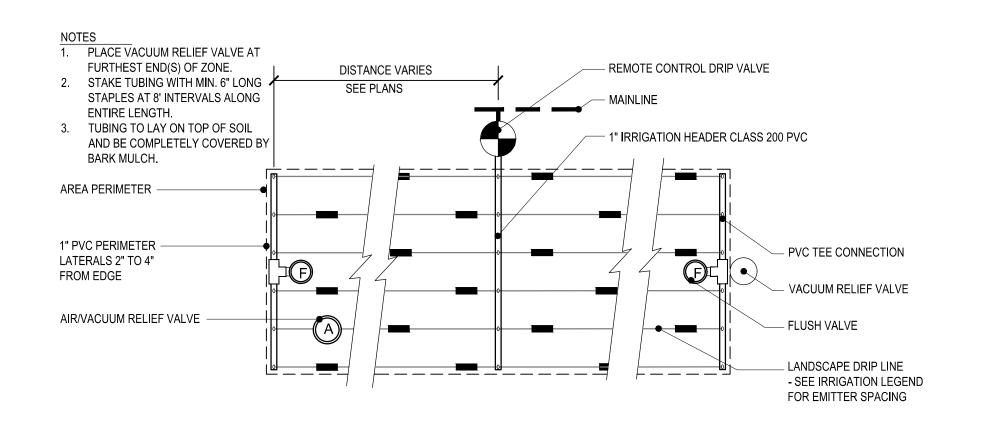
VACUUM RELIEF VALVE ## / SCALE: NTS

> FINISH GRADE 6" ROUND VALVE BOX FLUSH VALVE -PVC COUPLING POLY PIPE FROM HEADER BRICK SUPPORTS (THREE) 3/4" PEA GRAVEL SUMP - 1 CUBIC FOOT

FLUSH VALVE / SCALE: NTS

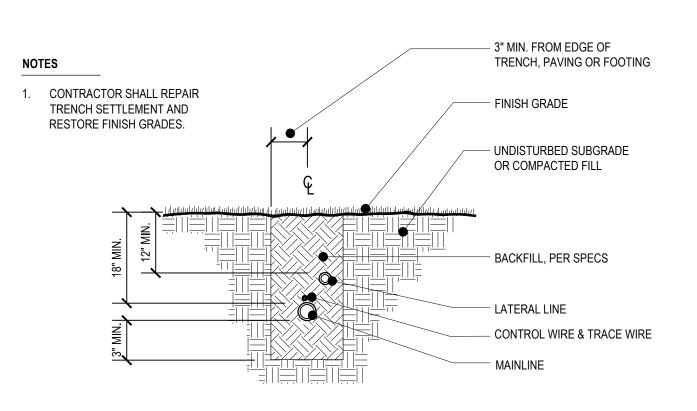


BACKFLOW PREVENTION DEVICE ASSEMBLY ## / SCALE: NTS



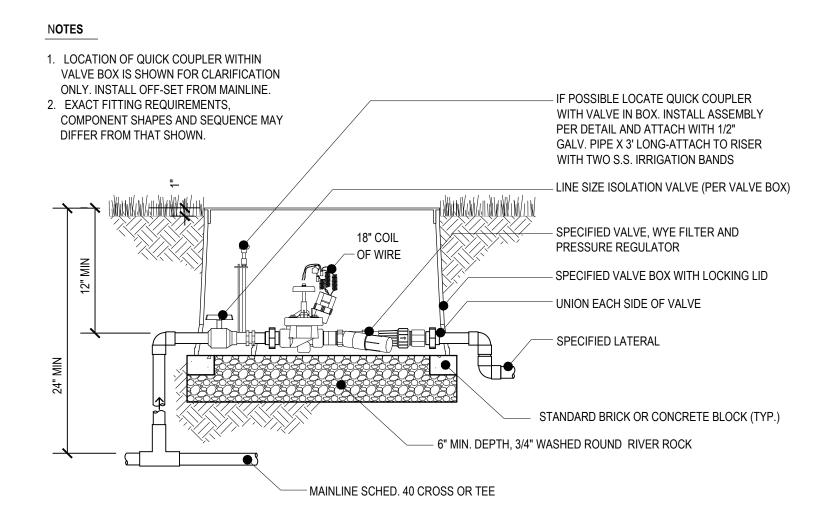
DRIPLINE LAYOUT DIAGRAM

/ SCALE: NTS



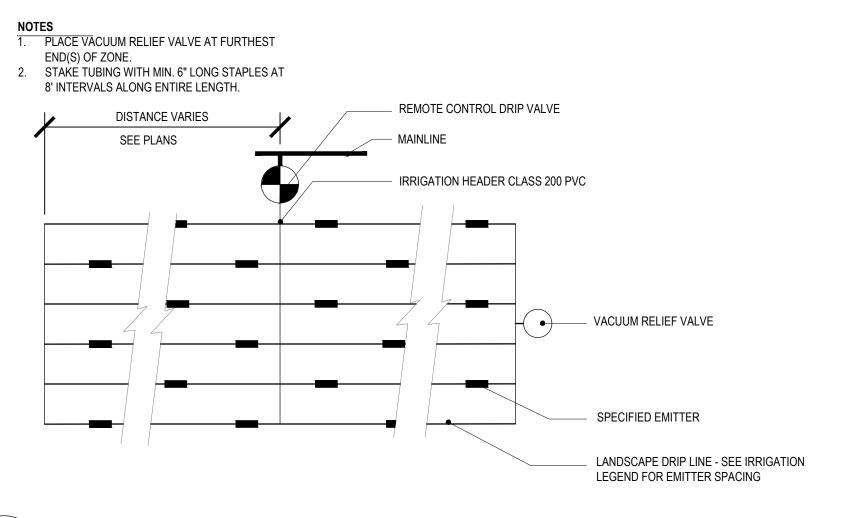
IR TRENCHING DETAIL

/ SCALE: NTS



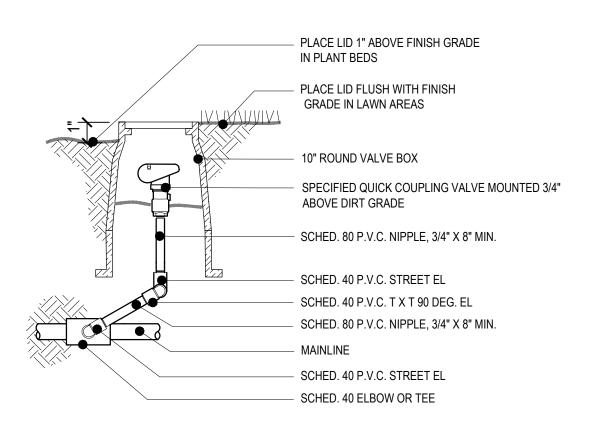
DRIP IR CONTROL VALVE ASSEMBLY

SCALE: NTS



\ INLINE EMITTER TUBING INSTALLATION

/ SCALE: NTS



SCALE: NTS ##

\QUICK COUPLER VALVE DETAIL

SHEET TITLE

IRRIGATION DETAILS

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General

- 1. Municipal, County, State and Federal laws, regarding uses and regulations governing or relating to any portion of the work depicted on these plans are hereby incorporated into and made part of these specifications, and their provisions shall be carried out by the contractor.
- 2. The Contractor shall verify the locations of all existing utilities, structures, and services before commencing work. The location of utilities, structures, services shown on these plans are approximate only. Any discrepancies between these plans and the actual field conditions shall be reported to the Owner's representative.
- 3. The Contractor shall locate and protect all existing utilities, features and plants on and adjacent to the project site during construction. Contractor shall repair, at his own expense, all damage resulting from his operations or negligence.
- 4. The Contractor shall obtain all necessary valid licenses, permits, and insurance required to perform the work indicated herein before commencing work, and shall be responsible for coordinating work with all parties involved, including jurisdictional agencies.
- 5. The Contractor shall use all means necessary to protect the public at all times during the construction process.
- 6. In the event of conflict between pertinent codes, regulations, structural notes, and/or requirements, or the referenced standards of these Specifications, the provisions of the more stringent shall govern.
- 7. Weather Limitations: Soil work shall be performed only when the weather conditions do not detrimentally affect the quality of work.

Mandatory Site Inspection Schedule

1. Schedule for Mandatory site inspection procedures. The mandatory site inspections include but are not limited to the following:

Pre-Construction Site Meeting

Contractor shall be notified a minimum of 48 hours prior to meeting to review site conditions, proposed construction and construction schedule, and review construction specifications prior to commencement of construction operations.

Rough Grading Inspection

Contractor shall notify Owner's Representative a minimum 48 hours prior to request for inspection of rough soil grades. All rough grading operations shall be completed per specifications and prepared for inspection. No topsoil placement or backfilling in areas to be landscaped should occur until written approval by Owner's Representative has been issued.

Open Trench Irrigation Inspection

Contractor shall notify Owner's Representative 24 hours prior to inspection for written approval of irrigation trench depths, piping conditions, and pressure testing. (Refer to Irrigation Specification for inspection procedures)

Plant Material Inspection

Plant material quality and layout inspection and written approval shall occur with 24 hours notice to Owner's Representative prior to installation of any plant material. (Refer to Planting Specification for inspection procedures)

Final Landscape Areas and Irrigation Performance Inspection

Contractor shall notify Owner's Representative 48 hours prior to inspection for approval of landscape and irrigation work. Irrigation operations and coverage shall be inspected. Plant quality and layout shall be inspected. Written approval shall be issued upon inspection approval of specified construction. (Refer to relative specification sections)

- 1. Provide and maintain positive drainage patterns throughout the construction process, and as directed by the Owner's Representative if weather or construction activity creates drainage conflicts detrimental to construction process or environmental conditions. Comply with jurisdictional requirements.
- 2. Maintain erosion measures throughout the landscaping process. Restore erosion control measures disturbed by landscaping operations. Remove only upon approval of Owner's Representative.

Invasive Weed Control Prior to Construction

1. Verify and identify conditions requiring eradication of invasive weeds and grasses prior to existing soil surface disturbance as directed by Owner's Representative. Stockpiled topsoil shall be treated to eradicate weeds prior to soil ripping and stockpiling. Weed eradication shall include herbicide and non-herbicide methods only administered by a currently licensed applicator. Eradication shall include and is not limited to elimination of the following invasive species from areas to be landscaped:

Cirsium arvense (Canadian Thistle) Lotus corniculatus (Bird's foot Trefoil Convolvulus spp. (Morning Glory) Lythrium salicaria (Purple Loosestrife) Cytisus scoparus (Scotch Broom) Melilotus spp. (Sweet Clover) Dipsacus sylvestris (Common Teasel) Myriophyllum spicatum (Eurasian Milfoil) Equisetum spp. (Horsetail) Phalaris arundinaceae (Reed Canary Grass) Festuca arundinaceae (Tall Fescue) Rubus discolor (Himalayan Blackberry) Hedera helix (English Ivy) Solanum spp. (Nightshade) Holcus canatus (Velvet Grass) Trifolium spp. (Clovers) Lolium spp. (Rye Grasses)

Rough Grade Inspection

- Conditions and quality of rough grade shall be inspected and approved by Owner's Representative prior to the commencement of specified work in areas to be landscaped. The contractor shall then be responsible for completion of activities specified herein, and defined on the plan.
- In all plant bed areas the sub-grade shall be free of unsuitable material such as stumps, roots, rocks, concrete, asphalt, or metals, for a minimum depth of 24 inches, and in all lawn or seeded areas the sub-grade shall be free of unsuitable material for a minimum depth of 12 inches
- The Owner's Representative, at their discretion, shall direct further rough grading or soil preparation if specified activities have not created a surface satisfactory for further work to commence. Compensation for additional surface work created by conditions unknown at the outset and as directed in writing by the Owner's Representative shall be negotiated at the time of the directive, and prior to the commencement of particular construction activities.

Finish Grading

Verify that rough grade in landscape areas is sufficiently below proposed final grade for planting beds and lawn areas to allow for placement of topsoil mix. Refer to grading plans for finish grade references. Verify that grades provide positive drainage at all landscape areas, and slope away from structures at a minimum of 2% slope. Final grades in all landscape areas shall be crowned at center to facilitate proposed drainage.

Installation Of Irrigation Sleeving

Sleeving conduit shall be installed at existing and proposed paved areas as per specifications, as directed by the Owner's Representative, or as irrigation installation requirements, prior to preparation for paving construction. Set piping to provide minimum covers of:

18-inch for sleeving beneath walkways;

24-inch for sleeving beneath vehicular traffic or structures.

Mark each end of sleeving with a 2 x 4 stake with 24" exposed, clearly marked 'SLEEVE LOCATION'. Contractor shall maintain staking identification and location throughout construction process. Protect all existing paving when installing sleeving. Restore all paving damaged by sleeve installation.

- 2. Size of sleeving conduit pipe shall be a minimum of two times the diameter of the bell end of the pipe that is to be fed into the sleeve.
- 3. Set sleeving in a compacted bed of material that will not damage the pipe during compaction of surface backfill material.

Design / Build Irrigation Specification

- 1.1 DESIGN BUILD SUBMITTALS AND REQUIREMENTS
- A. Design Criteria: Submitted plan shall meet the following criteria and shall be approved for construction only upon verification that all required criteria have been met.
- 1. Drawings submitted for design approval:
- a. Must clearly illustrate irrigation heads, dripline, valve, controller and point of connection locations. Individual valves and controllers shall be numbered sequentially. The size and maximum flow through each valve and capacity of each controller shall be clearly noted.
- b. Must clearly illustrate pipe sizes from all laterals and mainline pipe.
- c. Drawings must be to a standard measurable engineering scale that is at a minimum of 1"=30'-0".
- d. Drawings must be CAD generated.
- e. Drawings must include a legend that describes all symbols and materials represented on the
- f. Drawings must clearly illustrate that the proposed irrigation system meets all performance criteria described by these specifications.
- g. Must utilize graphics that clearly distinguish between lateral and mainline pipe and sleeves under pavement; dripline; manual or automatic control valves, isolation valves and drain valves; irrigation controllers and all other equipment located on the plan.
- B. Irrigation system as designed and installed shall perform within the tolerances and specification of the specified manufacturers.
- C. The system shall be fully adjustable to fine-tune the system performance for specific zones. Indicate water pressure and gallonage parameters at available water source on the required submittal D. Irrigation system shall be designed so that planting beds, sloped banks and lawn zones are on separate
- control valves to facilitate the different water requirements of each area. E. System shall be designed to supply manufacturer's specified minimum operating pressure to furthest
- emitter from water meter. Water flow through piping shall not exceed a velocity of 5 feet per second. F. System shall furnish components to allow operation within manufacturer's specified tolerances for optimum performance. Undersized components shall not be approved for installation.
- 5. Upon completion of the irrigation system installation and as a condition of it's acceptance, deliver to the Owner's representative the following 'As-built' drawings: Three prints and one reproducible sepia of all changes to the irrigation system including a Controller Zone Reference chart. Instruct owner of system components operation, system winterization, and controller adjustment processes. Instruct owner of precipitation requirements and schedule of anticipated controller adjustments as landscape matures.
- 6. Protect existing buildings, walls, pavements, reference points, monuments, and markers on this site. Verify location of and protect all utilities. Protect adjacent property. Protect work and materials of other trades. Protect irrigation system materials before, during, and after installation. In the event of damage, repair or replace items as necessary to the approval of the Owner's representative and at no additional cost to the Owner. Use all means necessary to protect the public from injury at all times.
- 7. Provide warranty for all installed materials and work for one year beyond the date of final acceptance of the irrigation system installation.
- 8. Verify gallonage, pressure, size, and location of service water line. The Contractor shall guarantee an irrigation system that functions to manufacturer's specifications with the source volume and pressure afforded to site. Make arrangements for water shut-off during construction if necessary, notify owner 24 hours prior to suspension of water service.
- 9. Irrigation trenches shall be a depth to provide a minimum cover of 18 inches for sleeving beneath walkways; 18 inches for all pressurized main lines; 36 inches for sleeving beneath asphalt paving, and 12 inches for all lateral lines. Backfill with clean fill void of material injurious to system components. All sleeving under vehicular traffic to be Class 200 PVC, all other sleeving shall be class 200 PVC Locate top of zone valves a minimum of 6" below finish grade.
- 10. Combine wire and piping where possible
- 11. Contractor shall follow manufacturer's instructions for solvent welding of PVC pipe and fittings to achieve tight and inseparable joints. Utilize single wrap Teflon tape at all threaded joints.

- 12. Install all valves with fittings that facilitate maintenance removal and place valve boxes at location that are easily serviced but not in conspicuous locations. Locate in planting beds wherever possible, away from mower, edger, or de-thatcher operations.
- 13. Contractor shall install one manual drain valve at discharge side of each remote control valve and at all low points in mainline pipe so as to allow for complete drainage of all main lines. Mark with a painted sleeve cover and indicate locations on As-Built drawings.
- 14. Contractor shall provide backflow prevention as required per local and state codes, installed as per manufacturer's specifications.
- 15. Contractor shall install irrigation controller in accordance with manufacturer's specifications. Verify a 120 V.A.C. electrical source and a min. 1 1/2" conduit from controller location open to all electrical zone valves in field. Weatherproof any exterior wall penetrations.
- 16. Automatic Controller: Rainbird or Hunter capable of meeting Water Sense EPA Criteria or approved equal. Controller shall have ability for all zones to fully operate and meet both normal and specified low volume system requirements as specified herein, and as required by site conditions. Coordinate location in field with owner's representative.
- 17. Install all wire in accordance with manufacturer's specifications with a minimum of 18 inch looped inside valve box at each remote control valve and at the controller. All splices shall occur within valve boxes with water-proof connectors.
- 18. Contractor shall install all sprinkler heads with flexible risers, using flexible polyethylene pipe not to exceed 18 inches in length or PVC swing joints. Tee fittings shall extend horizontally from pipe.
- 19. Contractor shall thoroughly flush irrigation system after piping, risers, and valves are installed but prior to installing sprinkler heads. Thoroughly clean, adjust and balance the installed irrigation system. Adjust spray pattern of nozzles to minimize throw of water onto buildings, walls, roads and parking lots. Adjust controller for optimum performance and precipitation rates utilizing proper water conservation measures.

Topsoil Placement and Soil Preparation

- 1. Contractor shall submit certified topsoil analysis report for owner's approval prior to plant installation.
- 2. Contractor is responsible for any amendments to soil PH, fertility and/or drainage conditions necessary to ensure proper growing conditions for proposed planting.
- 3. Topsoil shall be friable soil from existing stockpiled material or imported, with added soil amendments as specified. It shall not be delivered while in a frozen or muddy condition. Protect from erosion at all times. Utilize existing stockpiled topsoil only under the direction of the Owner's Representative. Do not place topsoil in areas that have not been cleared of weeds listed herein. Topsoil shall meet the following requirements:
 - a. Free of roots and rocks larger than 1/2 inch,
 - b. Free of subsoil, debris, large weeds, foreign matter and any other material deleterious to plant material health.
 - c. Acidity range (pH) of 5.5 to 7.5.
 - d. Containing a minimum of 4 percent and a maximum of 25 percent inorganic matter with decaying matter of 25 percent content by volume or less.
 - e. Textural gradations shall be sand: 45-75%, silt: 15-35%, clay: 05-20%.
- 4. Commercial fertilizer shall be an organic base, complete fertilizer containing in available form by within a minimum of 10N 10P 5K - with 50 percent of the available nitrogen in slow-release formula, Webfoot Organic Delux, or approved equal.a
- 5. Compost shall be yard debris compost meeting industry and jurisdictional standards.
- 6. Contractor shall remove all debris, rocks one inch in diameter or larger, sticks, mortar, concrete, asphalt, paper, contaminated soil and any material harmful to plant life, in all planting areas.
- 7. Contractor shall rototill subgrade six (6) inches deep before placing topsoil. Specified imported topsoil shall be placed at a minimum depth of **12"** in all planting areas. Do not place material during wet conditions. Do not work saturated soils in any manner. floated to a level, sloped or mounded grade between any existing or constructed point on the site, such as curbs, walls, walks, paving and the like. Final soil grades in planting beds shall be 2" below adjacent paving and curbs for mulch application.
- 8. Distribute following soil amendments to all landscape areas in even layers and power rototill or spade to a minimum depth of six (6) inches into topsoil, as follows;

Planting Beds:

- a. Compost: Apply nine cubic yards per 1000 sq. ft.
- b. Commercial Fertilizer: Apply 50 pounds per 1000 sq. ft.
- 9. Preparation of backfill planting soil mix shall be as follows:
- Thoroughly blend and mix the following proportion of materials while in a moist condition:
- Three cubic yards topsoil
- 1 1/2 cubic yards compost
- 1 1/2 cubic yards medium bark, - 10 pounds commercial fertilizer
- Five pounds bonemeal
- 10. Keep project free from accumulation of debris, topsoil and other material. At completion of each area of work, remove debris, equipment and surplus materials. Any paved area or surfaces stained or soiled from landscaping materials shall be cleaned with a power sweeper using water under pressure. Building surfaces shall be washed with proper equipment and materials as approved by the Owner's representative.

Seed Installation

- 1. Seeding operations shall occur only between March 15 and October 15.
- 2. Seeding is not permitted during cold weather (less than 32 degrees F), hot weather (greater than 80 degrees F), when soil temperature is less than 55 degrees F, when ground is saturated, or when wind velocity is greater than 10
- 3. Contractor shall float rough graded seedbed. Do not disturb natural drainage patterns. Remove rocks, clumps, or debris at surface. Lightly scarify surface.
- 4. Contractor shall apply 10 pounds commercial fertilizer per 1,000 square feet of surface area before spreading seed.
- 5. Lawn Seed: Contractor shall manually broadcast or hydro-seed eight pounds of Sunmark "Northwest Supreme Lawn Mix" grass seed per 1,000 square feet.
- The Contractor shall protect and maintain the seeded area by fencing, watering, feeding, reseeding, moving and repairing as necessary to establish a thick, uniform stand of grass acceptable to the Owner's representative. Contractor to maintain lawn for a minimum of 3 mowings.

Trees, Shrubs, & Groundcover Installation

- 1. Contractor shall guarantee materials and workmanship in general landscape areas for one year from date of conditional acceptance. Plant material shall be in accordance with American Standard for Nursery Stock (ANSI Z60.1), shall comply with State and Federal laws with respect to inspection for insect infestation and plant diseases and shall be free of insect pests and plant
- 2. Plant materials shall have a minimum of 6 inches of prepared soil under the root ball, and a minimum of 6 inches on each side of the root ball. Tree roots or root ball shall have a minimum of 12 inches of plant soil under the root ball and a minimum of 12 inches on each side of the root ball, or roots. Final grade should maintain root ball slightly above surrounding grade (not to exceed one inch) for bark mulch installation.
- Root control barrier shall be installed in trenches, alongside hardscape structures and utility lines such as sidewalks, curbs, pavement, walls, and concrete located within 5 feet of new trees measured from the trunk. Root barrier is to be 40 - 60 mil HDPE, minimum 18" deep and extend 10' in either direction measured from the center of the trunk.
- . Mulch all planting beds after planting, final raking, grading and leveling of the planting beds with a layer of Hem/Fir medium screened bark mulch as specified on the plans.
- 5. Balled and burlapped trees, boxed trees or bare root trees shall be either guyed or staked as detailed on the plans.
- 6. Remove all dead or dying branches and criss-crossing branches from trees. Do not cut leader.
- 7. Keep project free from accumulation of debris, topsoil and other material. At completion of each area of work, remove debris, equipment and surplus material. All paved areas or surfaces stained or soiled from landscape material shall be cleaned with a water-pressure power sweeper. Building surfaces shall be washed with proper equipment and materials as approved by the Owner.
- River Rock Mulch:
- River rock mulch shall be minimum 3/4" to maximum 1-1/2" diameter washed round river rock, uniform in size. All fines shall be screened from the aggregate within a one-quarter inch (1/4") tolerance. Color shall be white to light brown. Contractor shall provide the owner with samples of river rocks for approval prior to installation.

Maintenance

- Contractor shall maintain general landscape areas for one year after accepted
- 2. Maintenance shall include; all grade resettlement, weeding, policing and removal of plant material debris during maintenance period. Remove and replace dead plant material as needed at no cost to owner for maintenance period. Seasonal leaf fall removal is outside the scope of this maintenance
- 3. Any unsatisfactory condition arising during this maintenance period shall be brought to the attention of the Owner's Representative immediately.



ERIN

SHEET TITLE LANDSCAPE &

IR SPECS 08/02/2021 DRAWN:

REVISIONS:

HECKED:

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SHEET NUMBER