

**FIRE CODE / LAND USE / BUILDING REVIEW
APPLICATION**



North Operating Center
11945 SW 70th Avenue
Tigard, OR 97223
Phone: 503-649-8577

South Operating Center
8445 SW Elligsen Rd
Wilsonville, OR 97070
Phone: 503-649-8577

REV 6-30-20

Project Information

Applicant Name: Chris Knight
Address: 12965 SW Herman Road SUITE 100
Phone: (503) 563-6151
Email: knightc@aks-eng.com
Site Address: 23370 SW Boones Ferry Road
City: Tualatin
Map & Tax Lot #: Tax Map 2S.1.35D, Tax Lot #106
Business Name: Horizon Community Church
Land Use/Building Jurisdiction: Tualatin
Land Use/ Building Permit # _____

Choose from: Beaverton, Tigard, Newberg, Tualatin, North Plains, West Linn, Wilsonville, Sherwood, Rivergrove, Durham, King City, Washington County, Clackamas County, Multnomah County, Yamhill County

Project Description

To construct a new sanctuary and baseball field along with associated parking lot and frontage improvements. Will include the re-configuration and update of the existing stormwater facilities and associate underground utilities.

Permit/Review Type (check one):

- Land Use / Building Review - Service Provider Permit
- Emergency Radio Responder Coverage Install/Test
- LPG Tank (Greater than 2,000 gallons)
- Flammable or Combustible Liquid Tank Installation (Greater than 1,000 gallons)
 - * Exception: Underground Storage Tanks (UST) are deferred to DEQ for regulation.
- Explosives Blasting (Blasting plan is required)
- Exterior Toxic, Pyrophoric or Corrosive Gas Installation (in excess of 810 cu.ft.)
- Tents or Temporary Membrane Structures (in excess of 10,000 square feet)
- Temporary Haunted House or similar
- OLCC Cannabis Extraction License Review
- Ceremonial Fire or Bonfire (For gathering, ceremony or other assembly)

For Fire Marshal's Office Use Only

TVFR Permit # 2024-0075
Permit Type: SPP-Tualatin
Submittal Date: 5/31/2024
Assigned To: McGladrey
Due Date: 5/31/2024
Fees Due: N/A
Fees Paid: N/A

Approval/Inspection Conditions

(For Fire Marshal's Office Use Only)

This section is for application approval only

Alex Mc G 5/31/2024
Fire Marshal or Designee Date

Conditions:

TVF&R final inspection is required for this project.

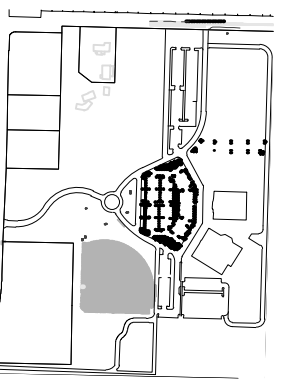
See Attached Conditions: Yes No

Site Inspection Required: Yes No

This section used when site inspection is required

Inspection Comments:

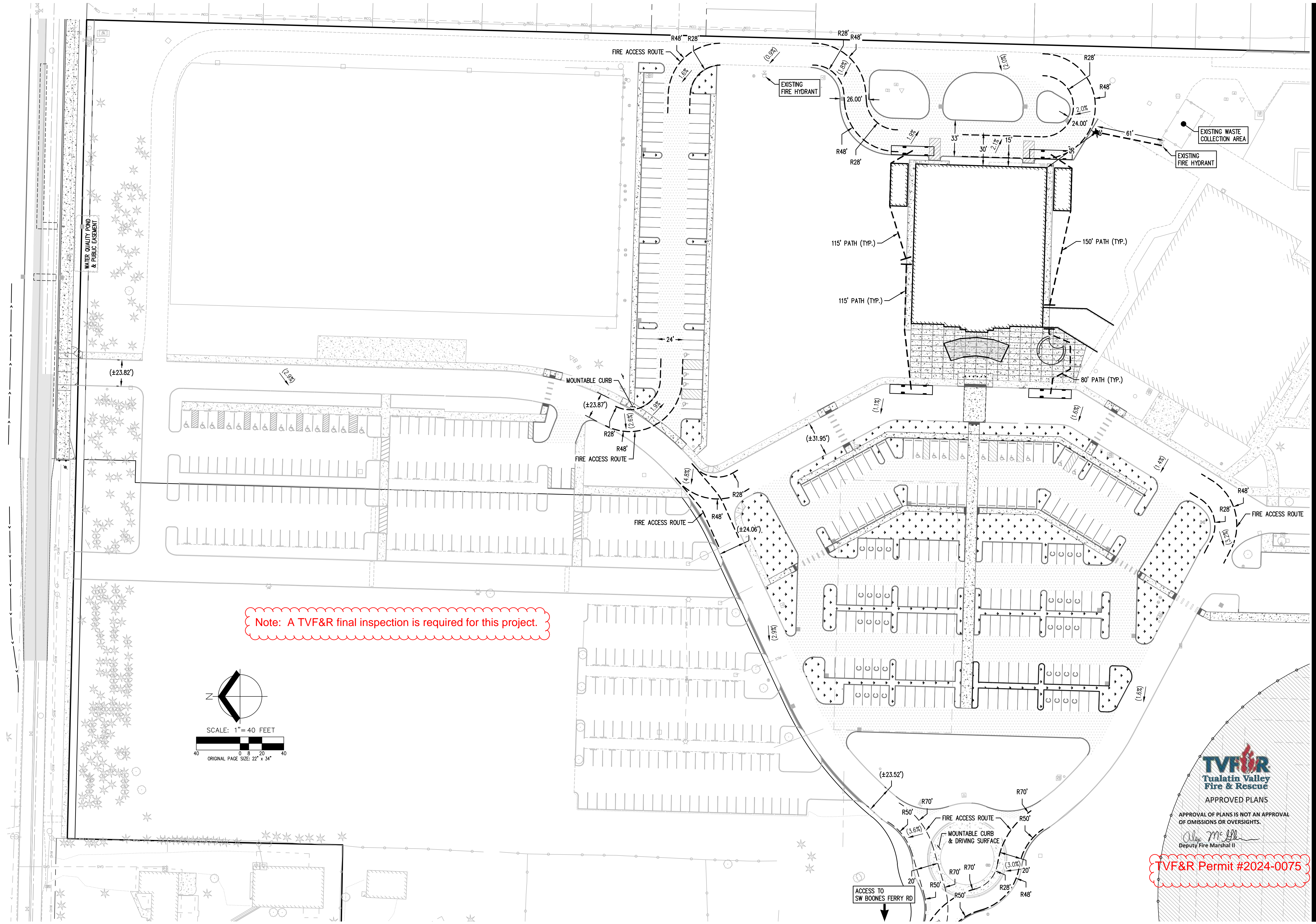
Final TVFR Approval Signature & Emp ID Date



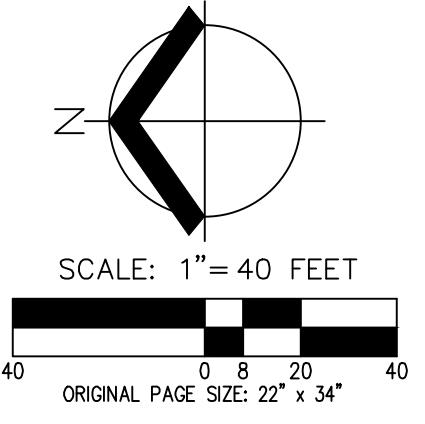
**PRELIMINARY GARBAGE AND FIRE
ACCESS PLAN EXHIBIT
HORIZON COMMUNITY CHURCH EXPANSION
TUALATIN
OREGON**

**PRELIMINARY
NOT FOR
CONSTRUCTION**

JOB NUMBER:	9349
DATE:	01/26/2024
DESIGNED BY:	CAK
DRAWN BY:	TBD
CHECKED BY:	CAK



Note: A TVF&R final inspection is required for this project.



APPROVED PLANS
APPROVAL OF PLANS IS NOT AN APPROVAL
OF OMISSIONS OR OVERSIGHTS.
Ally M. Ell
Deputy Fire Marshal II

TVF&R Permit #2024-0075

ACCESS TO
SW BOONES FERRY RD

GENERAL NOTES:

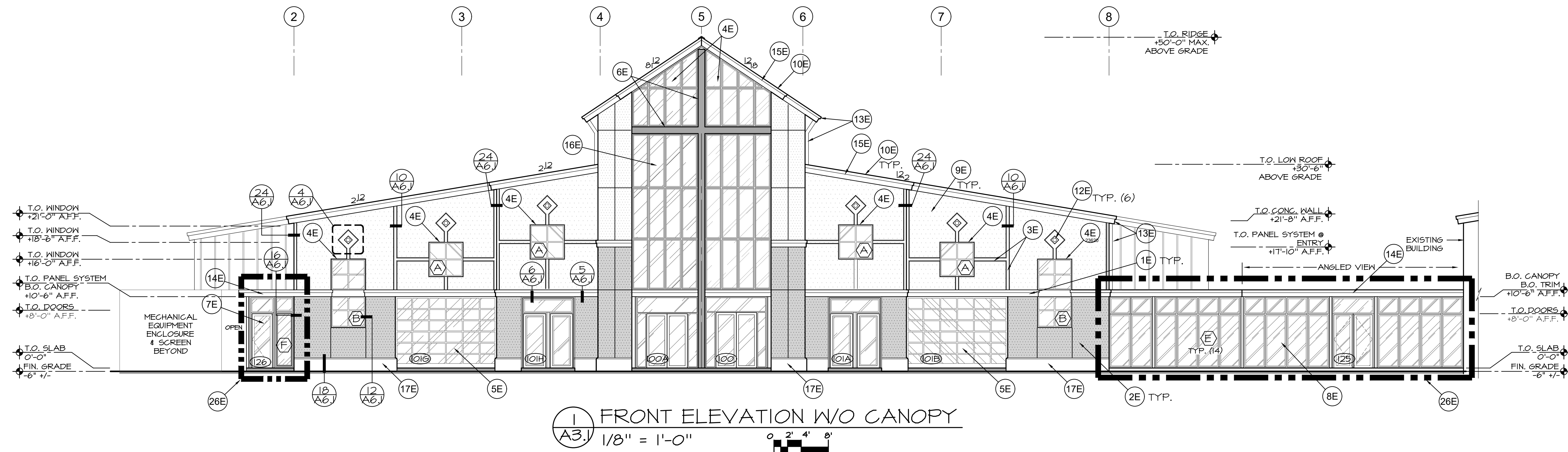
1. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSBC 106.3.4.2.

DEFERRED SUBMITTALS (BIDDER DESIGN)

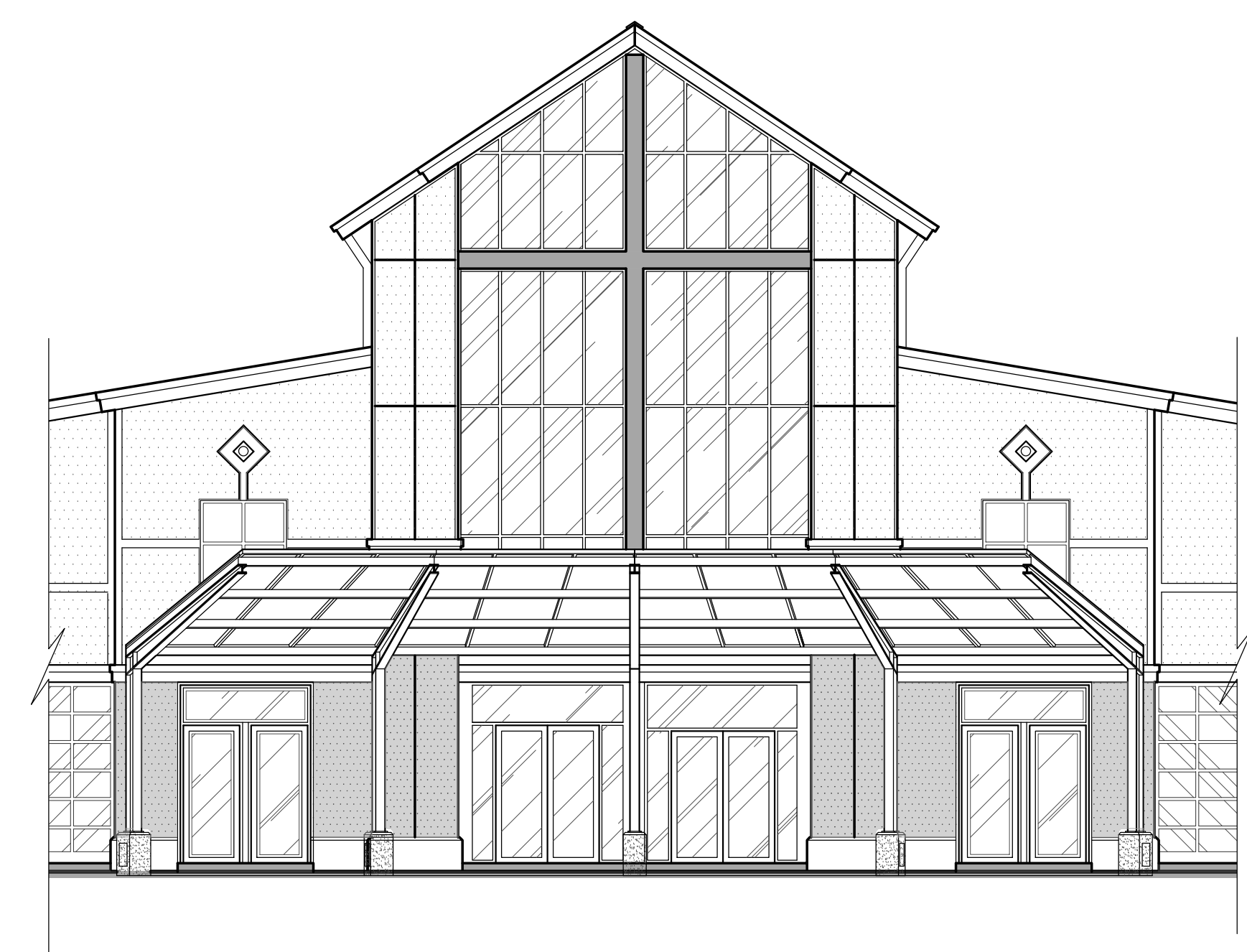
KEY NOTES:

NOTE:
SOME KEY NOTES DO NOT APPLY TO EACH SHEET.

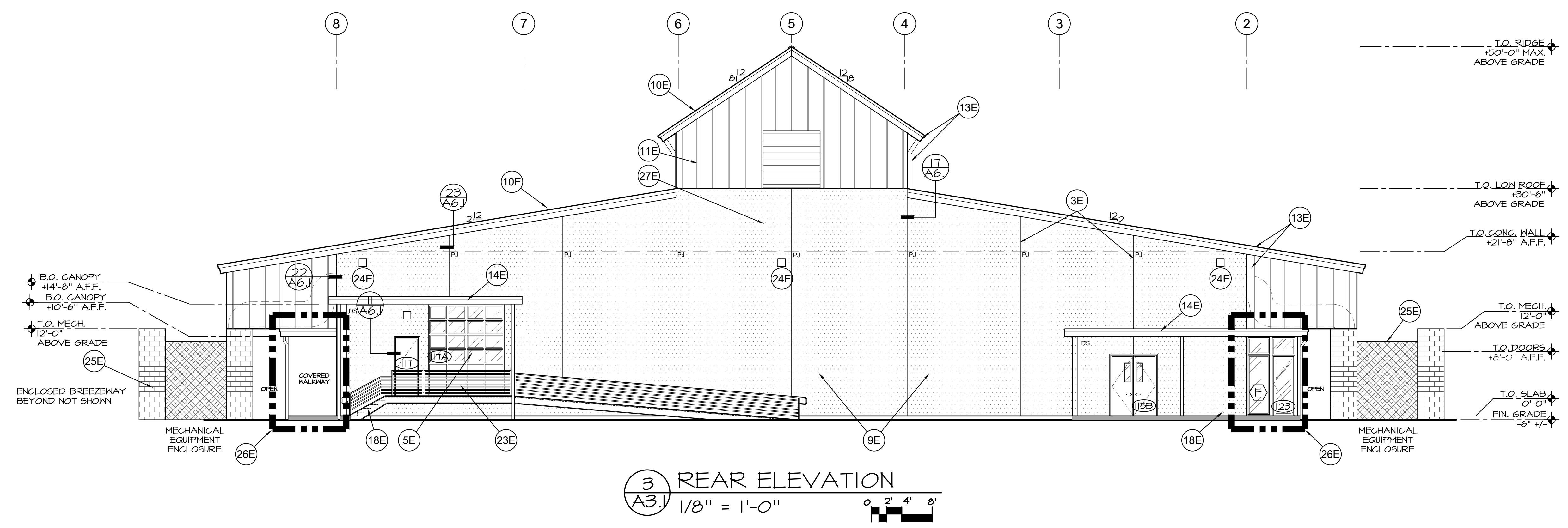
- (1E) HORIZONTAL METAL TRIM - MATCH EXISTING
- (2E) REVEAL PANEL SYSTEM
- (3E) PANEL REVELS/JOINTS - MATCH EXISTING
- (4E) BLUE TINT GLASS W/ MILL FINISH NARROW STOREFRONT FRAMES & BUTT JOINTS - MATCH EXISTING
- (5E) 12'-0" GLASS PANEL ROLL-UP DOOR
- (6E) 6" WHITE TUBE STEEL WINDOW FRAMING - MATCH EXISTING
- (7E) ENCLOSED WALKWAY
- (8E) ENCLOSED STOREFRONT BREEZEWAY (NOT HEATED) TO EXISTING BUILDING
- (9E) PAINTED CONCRETE TILT-UP PANEL
- (10E) STANDING SEAM METAL ROOF
- (11E) FLUSH SEAM METAL PANELS TO MATCH ROOF
- (12E) EXTERIOR WALL MOUNTED ACCENT LIGHT - TYP. (6)
- (13E) ALUM. FASCIA TRIM AND DOWNSPOUT TO MATCH STOREFRONT MATERIAL
- (14E) CANTILEVERED CANOPY WITH BRAKE METAL TRIM
- (15E) BRAKE METAL RAKE TRIM
- (16E) STRUCTURAL SILICONE CURTAIN WALL SYSTEM
- (17E) 3 1/2" THICK, PRECAST CONC. BASE TRIM
- (18E) SHOP FABRICATED GALVANIZED STEEL STAIR PAINTED TO MATCH STOREFRONT COLOR (DEFERRED SUBMITTAL), 7" MAX. RISER HEIGHT, 11" MIN. TREAD WIDTH, 1-1/4" DIAMETER TUBE STEEL GUARDRAILS AND HANDRAILS. HANDRAILS SHALL BE BRUSHED STAINLESS STEEL, 34" ABOVE LEADING EDGE OF TREADS. GUARDRAILS SHALL BE 42" ABOVE LANDINGS AND LEADING EDGE OF TREADS.
- (19E) WINDOWS W/ LIGHT BLOCKING ACOUSTICAL PANELS IN INTERIOR SIDE OF SANCTUARY.
- (20E) BLACK OUT WINDOW TREATMENT AT ALL SANCTUARY GLAZING
- (21E) UPPER LEVEL OFFICE or COFFEE/FOOD PREP ACCESS DOOR
- (22E) STOREFRONT WINDOW SYSTEM. EQ. GLASS PANELS 48" WIDE MAX. W/ TRANSOM
- (23E) REMOVABLE GUARD RAIL
- (24E) WALL MOUNTED SECURITY LIGHT
- (25E) 15x20' MECHANICAL EQUIPMENT ENCLOSURE
- (26E) WALKWAYS, BREEZEWAY & BAPTISMAL ALTERNATE COST
- (27E) MECH. SCREEN & HVAC DUCT OR EXHAUST VENT
- (28E) STEEL COLUMN - SEE STRUCTURAL



1 FRONT ELEVATION W/O CANOPY
A3.1 1/8" = 1'-0"



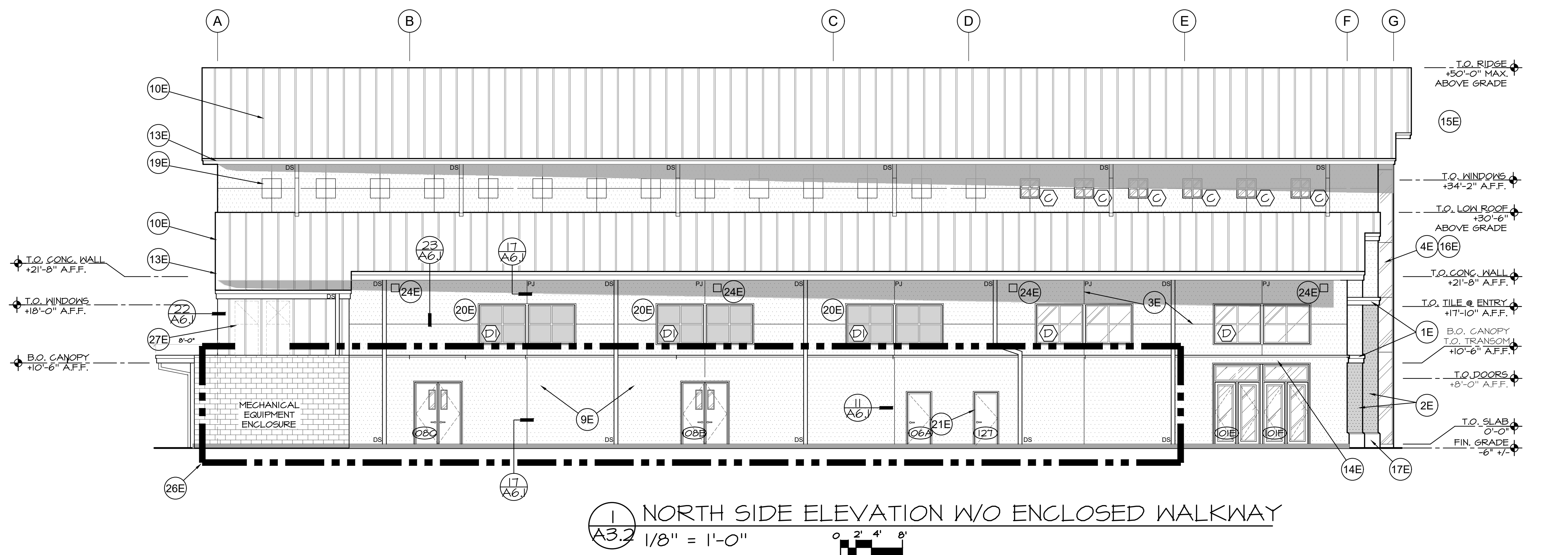
2 FRONT ELEVATION W/ CANOPY
A3.1 1/8" = 1'-0"



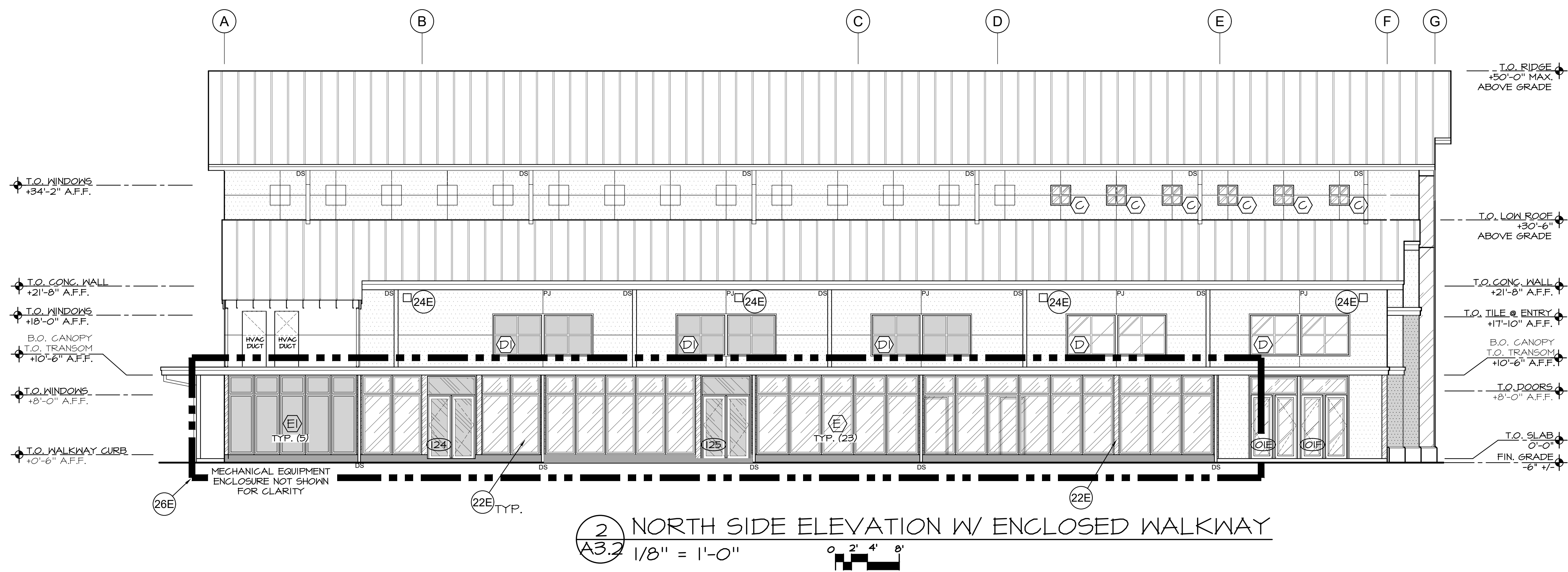
3 REAR ELEVATION
A3.1 1/8" = 1'-0"

TVR
Tualatin Valley
Fire & Rescue
APPROVED PLANS
APPROVAL OF PLANS IS NOT AN APPROVAL OF OMISSIONS OR OVERSIGHTS.
Alan McEll
Deputy Fire Marshal II
TVF&R Permit #2024-0075

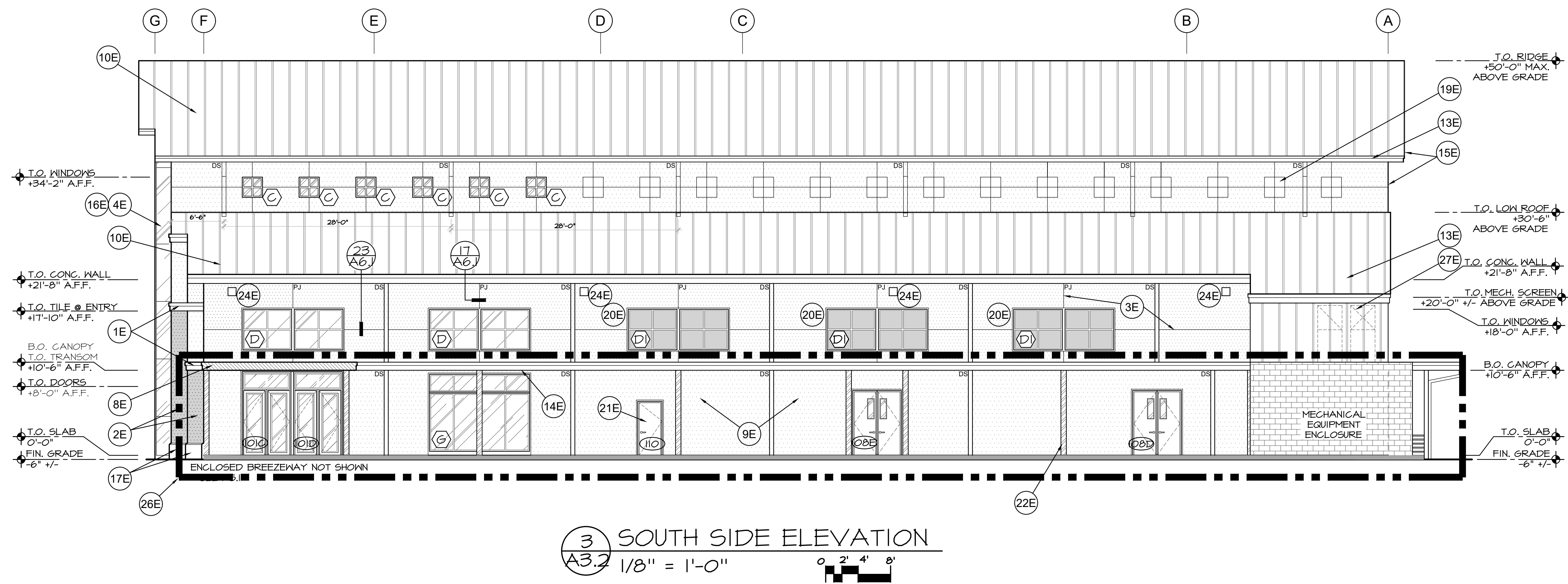
PERMIT SET



1 NORTH SIDE ELEVATION W/O ENCLOSED WALKWAY
 A3.2 1/8" = 1'-0" 0' 2' 4' 8"



2 NORTH SIDE ELEVATION W/ ENCLOSED WALKWAY
 A3.2 1/8" = 1'-0" 0' 2' 4' 8"



3 SOUTH SIDE ELEVATION
 A3.2 1/8" = 1'-0" 0' 2' 4' 8"

GENERAL NOTES:

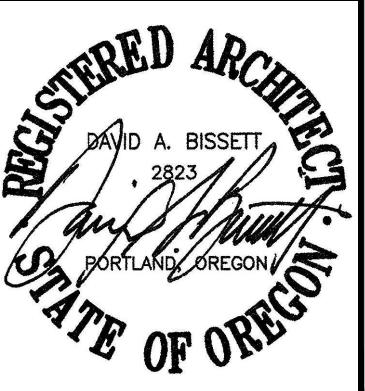
1. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSBC 106.3.4.2.

DEFERRED SUBMITTALS (BIDDER DESIGN)

KEY NOTES:

NOTE: SOME KEY NOTES DO NOT APPLY TO EACH SHEET.

- 1E HORIZONTAL METAL TRIM - MATCH EXISTING
- 2E REVEAL PANEL SYSTEM
- 3E PANEL REVELS/JOINTS - MATCH EXISTING
- 4E BLUE TINT GLASS W/ MILL FINISH NARROW STOREFRONT FRAMES & BUTT JOINTS - MATCH EXISTING
- 5E 12'-0" GLASS PANEL ROLL-UP DOOR
- 6E 6" WHITE TUBE STEEL WINDOW FRAMING - MATCH EXISTING
- 7E ENCLOSED WALKWAY
- 8E ENCLOSED STOREFRONT BREEZEWAY (NOT HEATED) TO EXISTING BUILDING
- 9E PAINTED CONCRETE TILT-UP PANEL
- 10E STANDING SEAM METAL ROOF
- 11E FLUSH SEAM METAL PANELS TO MATCH ROOF
- 12E EXTERIOR WALL MOUNTED ACCENT LIGHT - TYP. (6)
- 13E ALUM. FASCIA TRIM AND DOWNSPOUT TO MATCH STOREFRONT MATERIAL
- 14E CANTILEVERED CANOPY WITH BRAKE METAL TRIM
- 15E BRAKE METAL RAKE TRIM
- 16E STRUCTURAL SILICONE CURTAIN WALL SYSTEM
- 17E 3 1/2" THICK, PRECAST CONG. BASE TRIM
- 18E SHOP FABRICATED GALVANIZED STEEL STAIR PAINTED TO MATCH STOREFRONT COLOR (DEFERRED SUBMITTAL), 7" MAX. RISER HEIGHT, 11" MIN. TREAD WIDTH. 1-1/4" DIAMETER TUBE STEEL GUARDRAILS AND HANDRAILS. HANDRAILS SHALL BE BRUSHED STAINLESS STEEL, 34" ABOVE LEADING EDGE OF TREADS. GUARDRAILS SHALL BE 42" ABOVE LANDINGS AND LEADING EDGE OF TREADS.
- 19E WINDOWS W/ LIGHT BLOCKING ACOUSTICAL PANELS IN INTERIOR SIDE OF SANCTUARY.
- 20E BLACK OUT WINDOW TREATMENT AT ALL SANCTUARY GLAZING
- 21E UPPER LEVEL OFFICE or COFFEE/FOOD PREP ACCESS DOOR
- 22E STOREFRONT WINDOW SYSTEM. EQ. GLASS PANELS 48" WIDE MAX. W/ TRANSOM
- 23E REMOVABLE GUARD RAIL
- 24E WALL MOUNTED SECURITY LIGHT
- 25E 15x20' MECHANICAL EQUIPMENT ENCLOSURE
- 26E WALKWAYS, BREEZEWAY & BAPTISMAL ALTERNATE COST
- 27E MECH. SCREEN & HVAC DUCT OR EXHAUST VENT
- 28E STEEL COLUMN - SEE STRUCTURAL



DAVID BISSETT
 ARCHITECT P.C.
 503.341.4445
 davidb@dbaarch.com
 www.DBAarch.com

EXTERIOR ELEVATIONS
 HORIZON COMMUNITY CHURCH
 23620 SW BOONES FERRY Rd.
 TUALATIN, OR



Revisions



APPROVED PLANS
 APPROVAL OF PLANS IS NOT AN APPROVAL OF OMISSIONS OR OVERSIGHTS.
 Deputy Fire Marshal II

TVF&R Permit #2024-0075

Drawn By: TA
 Checked By: DB
 Issue Date: Nov. 30, 2023
 Drawing Title: Horizon Sanctuary

Sheet Number

FS-3

PERMIT SET

24-000237

Service Provider Letter

This form and the attached conditions will serve as your Service Provider Letter in accordance with Clean Water Services Design and Construction Standards (R&O 19-5, as amended by R&O 19-22).

Jurisdiction: <u>City of Tualatin</u>	Review Type: <u>Tier 2 Analysis</u>
Site Address / Location: <u>23370 SW Boones Ferry Rd</u> <u>Tualatin, OR 97062</u>	SPL Issue Date: <u>March 12, 2024</u>
	SPL Expiration Date: <u>March 12, 2026</u>

Applicant Information:

Name SONYA DAVIS
 Company AKS ENGINEERING & FORESTRY. LLC
12965 SW HERMAN RD, SUITE 100
 Address TUALATIN, OR 97062
 Phone/Fax (503) 563-6151
 E-mail: daviss@aks-eng.com

Owner Information:

Name KEN ALLEN
 Company HORIZON COMMUNITY CHURCH
23370 SW BOONES FERRY RD
 Address TUALATIN, OR 97062
 Phone/Fax _____
 E-mail: _____

Tax lot ID

2S135D000106

Development Activity

Horizon Community Church Expansion

Pre-Development Site Conditions:

Sensitive Area Present: On-Site Off-Site
 Vegetated Corridor Width: Variable
 Vegetated Corridor Condition: Marginal/Degraded

Post Development Site Conditions:

Sensitive Area Present: On-Site Off-Site
 Vegetated Corridor Width: Variable

Enhancement of Remaining Vegetated Corridor Required:

Square Footage to be enhanced:

18,565

Encroachments into Pre-Development Vegetated Corridor:

Type and location of Encroachment:	Square Footage:
<u>Road Improvements (Permanent Encroachment; Mitigation Required)</u>	<u>4,907</u>
_____	_____
_____	_____

Mitigation Requirements:

Type/Location	Sq. Ft./Ratio/Cost
<u>On-site VC Replacement and Public Benefit Mitigation</u>	<u>5,907/1.2:1</u>
_____	_____
_____	_____

Conditions Attached Development Figures Attached (4) Planting Plan Attached Geotech Report Required

This Service Provider Letter does NOT eliminate the need to evaluate and protect water quality sensitive areas if they are subsequently discovered on your property.

In order to comply with Clean Water Services water quality protection requirements the project must comply with the following conditions:

1. No structures, development, construction activities, gardens, lawns, application of chemicals, uncontained areas of hazardous materials as defined by Oregon Department of Environmental Quality, pet wastes, dumping of materials of any kind, or other activities shall be permitted within the sensitive area or Vegetated Corridor which may negatively impact water quality, except those allowed in R&O 19-5, Chapter 3, as amended by R&O 19-22.
2. Prior to any site clearing, grading or construction the Vegetated Corridor and water quality sensitive areas shall be surveyed, staked, and temporarily fenced per approved plan. During construction the Vegetated Corridor shall remain fenced and undisturbed except as allowed by R&O 19-5, Section 3.06.1, as amended by R&O 19-22 and per approved plans.
3. **Prior to any activity within the sensitive area, the applicant shall gain authorization for the project from the Oregon Department of State Lands (DSL) and US Army Corps of Engineers (USACE). The applicant shall provide Clean Water Services or its designee (appropriate city) with copies of all DSL and USACE project authorization permits.**
4. An approved Oregon Department of Forestry Notification is required for one or more trees harvested for sale, trade, or barter, on any non-federal lands within the State of Oregon.
5. Prior to any ground disturbing activities, an erosion control permit is required. Appropriate Best Management Practices (BMP's) for Erosion Control, in accordance with Clean Water Services' Erosion Prevention and Sediment Control Planning and Design Manual, shall be used prior to, during, and following earth disturbing activities.
6. Prior to construction, a Stormwater Connection Permit from Clean Water Services or its designee is required pursuant to Ordinance 27, Section 4.B.
7. Activities located within the 100-year floodplain shall comply with R&O 19-5, Section 5.10, as amended by R&O 19-22.
8. Removal of native, woody vegetation shall be limited to the greatest extent practicable.
9. The water quality swale and detention pond shall be planted with Clean Water Services approved native species, and designed to blend into the natural surroundings.
10. **Should final development plans differ significantly from those submitted for review by Clean Water Services, the applicant shall provide updated drawings, and if necessary, obtain a revised Service Provider Letter.**
11. **The Vegetated Corridor width for sensitive areas within the project site shall be a minimum of 50 feet wide, as measured horizontally from the delineated boundary of the sensitive area.**
12. **For Vegetated Corridors up to 50 feet wide, the applicant shall enhance the entire Vegetated Corridor to meet or exceed good corridor condition as defined in R&O 19-5, Section 3.14.2, Table 3-3, as amended by R&O 19-22.**
13. Removal of invasive non-native species by hand is required in all Vegetated Corridors rated ""good."" Replanting is required in any cleared areas larger than 25 square feet using low impact methods. The applicant shall calculate all cleared areas larger than 25 square feet prior to the preparation of the required Vegetated Corridor enhancement/restoration plan.
14. Prior to any site clearing, grading or construction, the applicant shall provide Clean Water Services with a Vegetated Corridor enhancement/restoration plan. Enhancement/restoration of the Vegetated Corridor shall be provided in accordance with R&O 19-5, Appendix A, as amended by R&O 19-22, and shall include planting specifications for all Vegetated Corridor, including any cleared areas larger than 25 square feet in Vegetated Corridor rated ""good.""
15. Prior to installation of plant materials, all invasive vegetation within the Vegetated Corridor shall be removed per methods described in Clean Water Services' Integrated Pest Management Plan, 2019. During removal of invasive vegetation care shall be taken to minimize impacts to existing native tree and shrub species.

- 16. Clean Water Services and/or City shall be notified 72 hours prior to the start and completion of enhancement/restoration activities. Enhancement/restoration activities shall comply with the guidelines provided in Planting Requirements (R&O 19-5, Appendix A, as amended by R&O 19-22).
- 17. **Maintenance and monitoring requirements shall comply with R&O 19-5, Section 2.12.2, as amended by R&O 19-22. If at any time during the warranty period the landscaping falls below the 80% survival level, the owner shall reinstall all deficient planting at the next appropriate planting opportunity and the two year maintenance period shall begin again from the date of replanting.**
- 18. **Performance assurances for the Vegetated Corridor shall comply with R&O 19-5, Section 2.07.2, Table 2-1 and Section 2.11, Table 2-2, as amended by R&O 19-22.**
- 19. **Clean Water Services shall require an easement over the Sensitive Area and Vegetated Corridor conveying storm and surface water management to Clean Water Services or the City that would prevent the owner of the Vegetated Corridor from activities and uses inconsistent with the purpose of the corridor and any easements therein.**

FINAL PLANS

- 20. **Final construction plans shall include landscape plans.** In the details section of the plans, a description of the methods for removal and control of exotic species, location, distribution, condition and size of plantings, existing plants and trees to be preserved, and installation methods for plant materials is required. Plantings shall be tagged for dormant season identification and shall remain on plant material after planting for monitoring purposes.
- 21. **A Maintenance Plan shall be included on final plans** including methods, responsible party contact information, and dates (minimum two times per year, by June 1 and September 30).
- 22. **Final construction plans shall clearly depict the location and dimensions of the sensitive area and the Vegetated Corridor** (indicating good, marginal, or degraded condition). Sensitive area boundaries shall be marked in the field.
- 23. Protection of the Vegetated Corridors and associated sensitive areas shall be provided by the installation of permanent fencing and signage between the development and the outer limits of the Vegetated Corridors. **Fencing and signage details to be included on final construction plans.**












This Service Provider Letter is not valid unless CWS-approved site plan is attached.

Stacy Benjamin

**Stacy Benjamin
Environmental Plan Review**

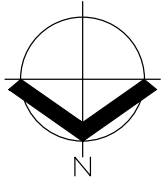
Attachments (4)

LEGEND (COLOR COPY):

-  TOTAL ON-SITE PFO/PSS/PEM/DEPRESSIONAL WETLAND A AREA: 12,256 SF± (0.28 ACRES)
-  CWS VEGETATED CORRIDOR (VC)
-  TOTAL ON-SITE VC AREA: 23,472 SF± (0.53 ACRES)
-  MARGINAL CONDITION VC AREA: 4,980 SF± (0.11 ACRES)
-  DEGRADED CONDITION VC AREA: 18,482 SF± (0.42 ACRES)
-  STW
-  STORMWATER LINE
-  TOTAL LENGTH OF ON-SITE ROADSIDE DRAINAGE DITCHES: 1,043 LF±
-  ROADSIDE DITCH 1: 613 LF±
-  ROADSIDE DITCH 2: 369 LF±
-  ROADSIDE DITCH 3: 61 LF±

WETLAND BOUNDARY AND DATA PLOTS SHOWN WERE DELINEATED BY AKS ENGINEERING & FORESTRY, LLC (AKS) ON MAY 31, 2022 AND LOCATED WITH SUBMETER ACCURACY USING A TRIMBLE GEO 7X HANDHELD GPS RECEIVER.

1-FT INTERVAL GROUND CONTOURS, EXISTING CONDITIONS, STUDY AREA BOUNDARY, AND A PARTIAL TREE SURVEY OF TREES >6" DBH DERIVED FROM AKS PROFESSIONAL LAND SURVEY ON APRIL 4-6, OCTOBER 17-21, FEBRUARY 20-21, 2022 AND APRIL 22, 2023.



SCALE: 1" = 150 FEET



DATE: 12/20/2023

FIGURE

5

NATURAL RESOURCES
EXISTING CONDITIONS OVERVIEW

HORIZON COMMUNITY CHURCH TIER 2 ALTERNATIVES ANALYSIS REPORT

AKS ENGINEERING & FORESTRY, LLC

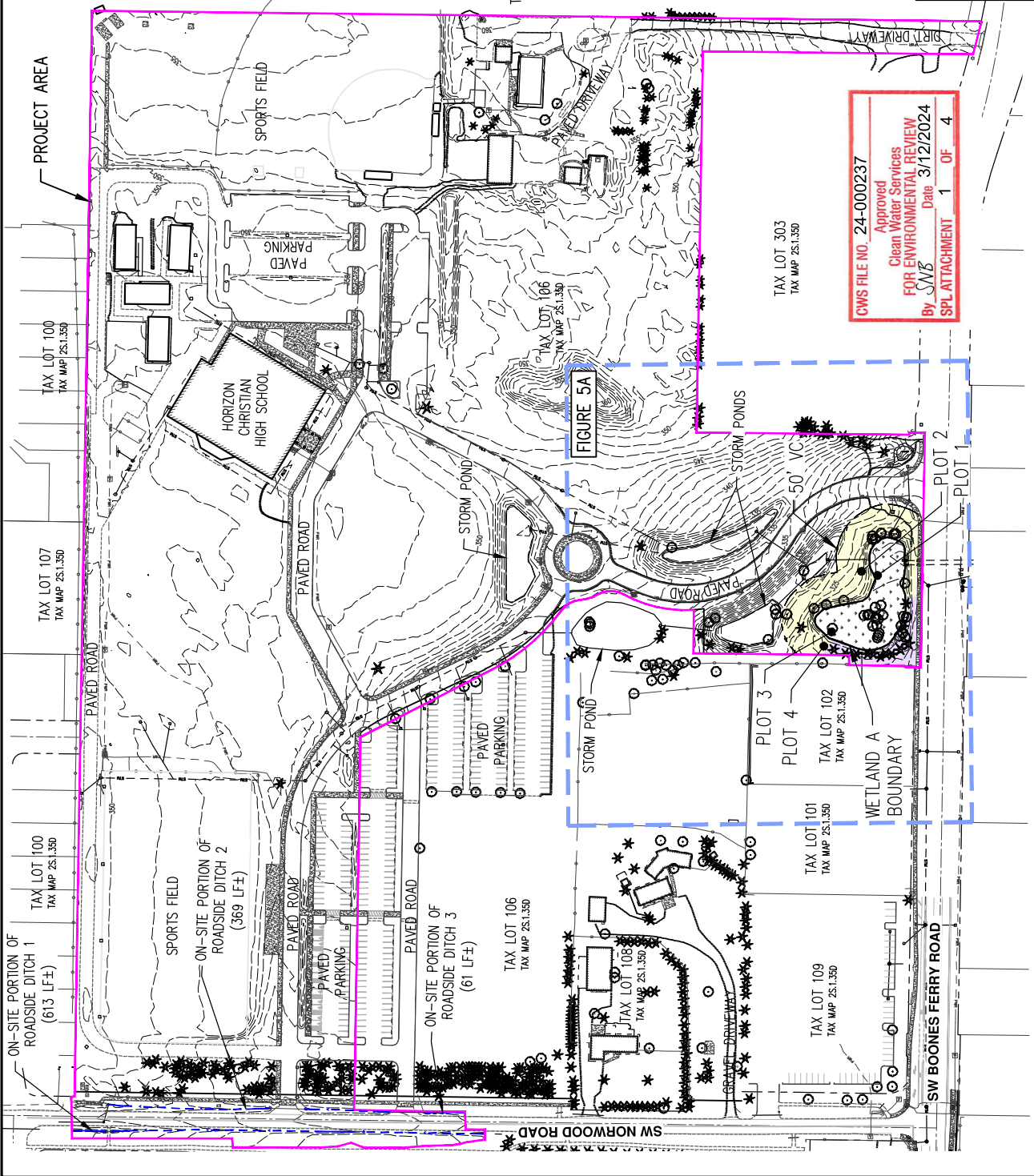
12965 SW HERMAN RD, STE 100

TUALATIN, OR 97062

503.563.6151 WWW.AKS-ENG.COM



DRWN: GPM
CHKD: SKD
AKS JOB: 9349



LEGEND (COLOR COPY):


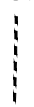




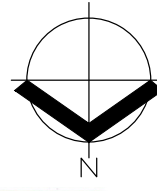
-  TOTAL ON-SITE PFO/PSS/PEM/DEPRESSIONAL WETLAND A AREA: 12,256 SF± (0.28 ACRES)
-  CWS VEGETATED CORRIDOR (VC)
TOTAL ON-SITE VC AREA: 23,472 SF± (0.53 ACRES)
-  MARGINAL CONDITION VC AREA: 4,990 SF± (0.11 ACRES)
-  DEGRADED CONDITION VC AREA: 18,482 SF± (0.42 ACRES)
-  STORMWATER LINE
-  TOTAL LENGTH OF ON-SITE ROADSIDE DRAINAGE DITCHES: 1,043 LF±
ROADSIDE DITCH 1: 613 LF±
ROADSIDE DITCH 2: 369 LF±
ROADSIDE DITCH 3: 61 LF±

PHOTO POINT LOCATION AND ORIENTATION



WETLAND BOUNDARY AND DATA PLOTS SHOWN WERE DELINEATED BY AKS ENGINEERING & FORESTRY, LLC (AKS) ON MAY 31, 2022 AND LOCATED WITH SUBMETER ACCURACY USING A TRIMBLE GEO 7X HANDHELD GPS RECEIVER.

1-FT INTERVAL GROUND CONTOURS, EXISTING CONDITIONS, STUDY AREA BOUNDARY, AND A PARTIAL TREE SURVEY OF TREES >6" DBH DERIVED FROM AKS PROFESSIONAL LAND SURVEY ON APRIL 4-6, OCTOBER 17-21, FEBRUARY 20-21, 2022 AND APRIL 22, 2023.



SCALE: 1" = 60 FEET



ORIGINAL PAGE SIZE: 11" x 17"

CWS FILE NO. 24-000237
Approved
Clean Water Services
FOR ENVIRONMENTAL REVIEW
By: *SWB* Date: 3/12/2024
SPL ATTACHMENT 2 OF 4

DATE: 12/20/2023

FIGURE

NATURAL RESOURCES EXISTING CONDITIONS

5A

HORIZON COMMUNITY CHURCH TIER 2 ALTERNATIVES ANALYSIS REPORT

AKS ENGINEERING & FORESTRY, LLC

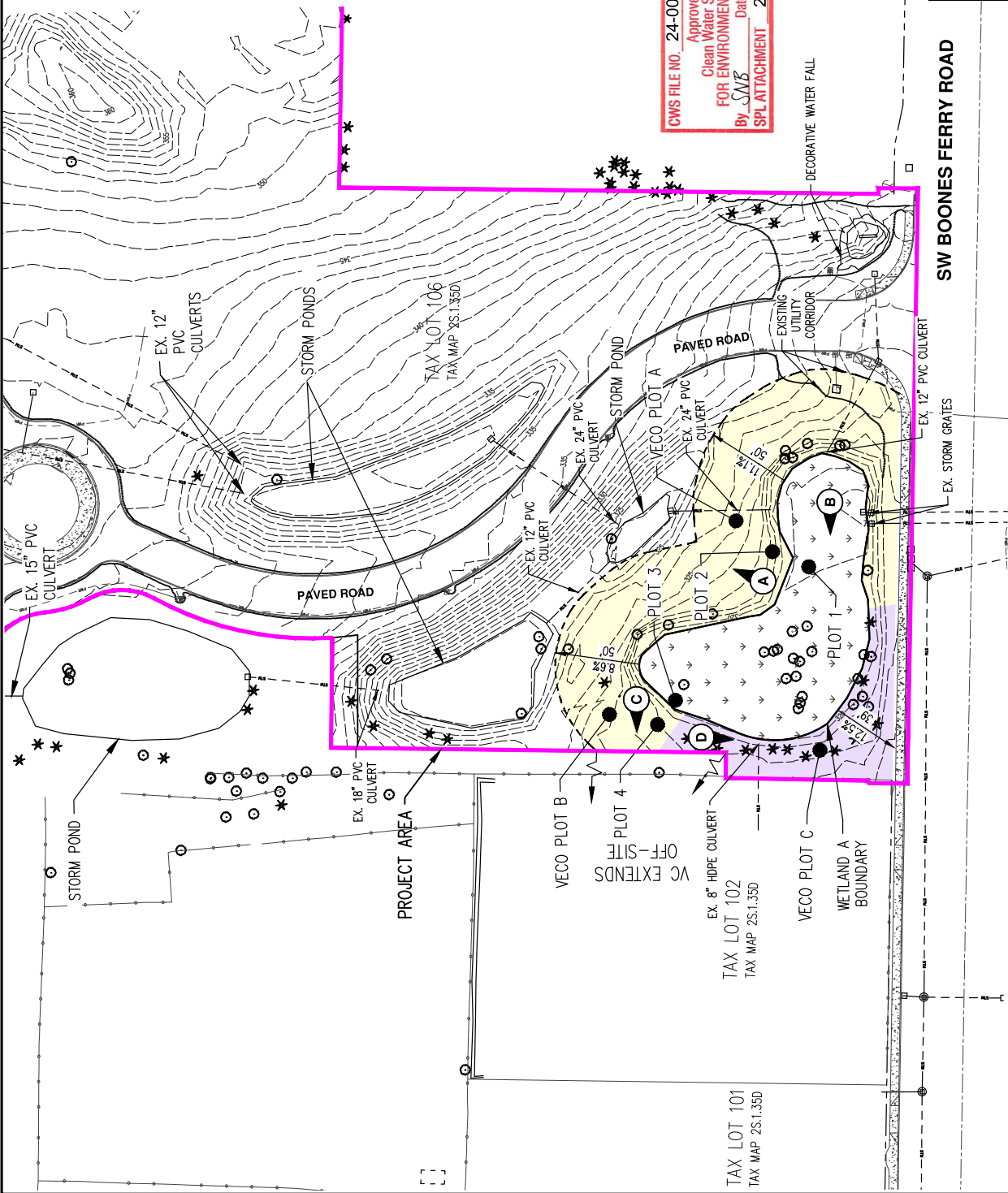
12965 SW HERMAN RD, STE 100

TUALATIN, OR 97062

AKS JOB: 503.563.6151 WWW.AKS-ENG.COM



9349



SW BOONES FERRY ROAD

EX. 12" PVC CULVERT

EX. STORM GRATES

EX. 8" HDPE CULVERT

WETLAND A BOUNDARY

VECO PLOT C

TAX LOT 102

TAX MAP 2S.1.35D

VECO PLOT B

PLOT 4

VC EXTENDS OFF-SITE

PLOT 3

PLOT 2

PLOT 1

VECO PLOT A

EX. 24" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

EX. 12" PVC CULVERT

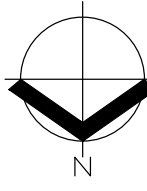
LEGEND (COLOR COPY):

- TOTAL ON-SITE PFO/PSS/PEM/DEPRESSIONAL WETLAND A AREA TO REMAIN: 12,198 SF± (0.28 ACRES)
- PERMANENT WETLAND IMPACT AREA: 58 SF±
- TEMPORARY WETLAND IMPACT AREA: 140 SF±
- PERMANENT VC IMPACT AREA: 4,907 SF± (0.11 ACRES±)
- VC REPLACEMENT MITIGATION TO BE PLANTED TO GOOD CONDITION: 4,907 SF± (0.11 ACRES)
- MARGINAL/DEGRADED CONDITION VC TO BE ENHANCED TO GOOD CONDITION: 18,565 SF± (0.43 ACRES)
- PUBLIC BENEFIT MITIGATION AREA TO BE PLANTED TO GOOD CONDITION: 1,000 SF± (0.02 ACRES)
- TREES TO BE REMOVED

WETLAND BOUNDARY WAS DELINEATED BY AKS ENGINEERING & FORESTRY, LLC (AKS) ON MAY 31, 2022 AND LOCATED WITH SUBMETER USING A TRIMBLE GEO 7X HANDHELD GPS RECEIVER.

1-FIT INTERVAL GROUND CONTOURS, EXISTING CONDITIONS, STUDY AREA BOUNDARY, AND A PARTIAL TREE SURVEY OF TREES >6" DBH DERIVED FROM AKS PROFESSIONAL LAND SURVEY ON APRIL 4-6 2022.

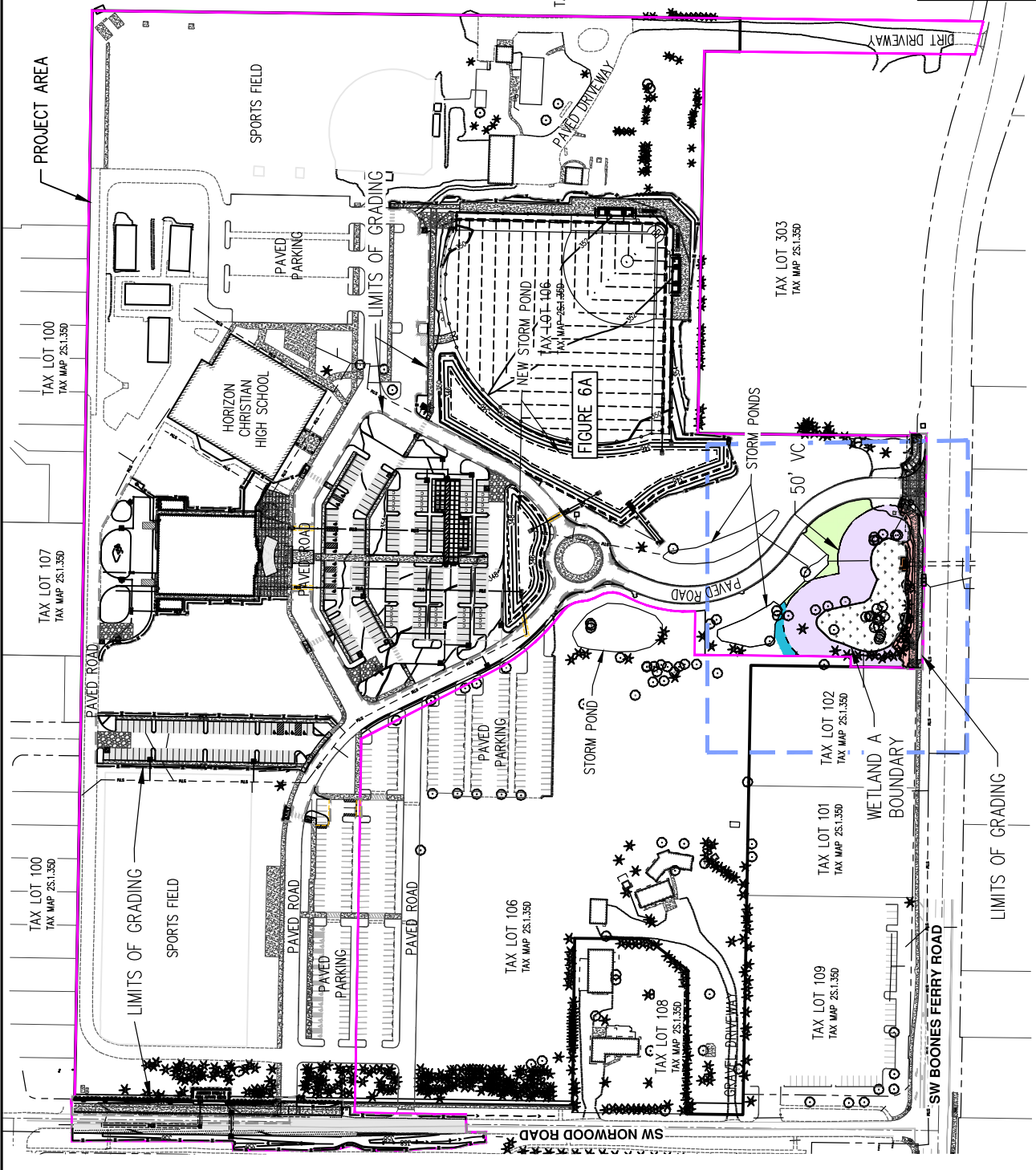
CWS FILE NO. 24-000237
 Approved
 Clean Water Services
 FOR ENVIRONMENTAL REVIEW
 By *SWB* Date 3/12/2024
 SPL ATTACHMENT 3 OF 4



SCALE: 1" = 150 FEET
 150
 0 30 75 150
 ORIGINAL PAGE SIZE: 11" x 17"

DATE: 01/10/2024

FIGURE	
NATURAL RESOURCES	
SITE PLAN OVERVIEW	
6	
DRWN: GPM	CHKD: SKD
AKS JOB: 9349	
HORIZON COMMUNITY CHURCH TIER 2 ALTERNATIVES ANALYSIS REPORT	
AKS ENGINEERING & FORESTRY, LLC	
12965 SW HERMAN RD, STE 100	
TUALATIN, OR 97062	
503.563.6151 WWW.AKS-ENG.COM	

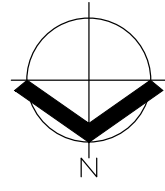


LEGEND (COLOR COPY):

- TOTAL ON-SITE PFO/PSS/PEM/DEPRESSIONAL WETLAND A AREA TO REMAIN: 12,198 SF± (0.28 ACRES)
- PERMANENT WETLAND IMPACT AREA: 58 SF±
- TEMPORARY WETLAND IMPACT AREA: 140 SF±
- PERMANENT VC IMPACT AREA: 4,907 SF± (0.11 ACRES±)
- VC REPLACEMENT MITIGATION TO BE PLANTED TO GOOD CONDITION: 4,907 SF± (0.11 ACRES)
- MARGINAL/DEGRADED CONDITION VC TO BE ENHANCED TO GOOD CONDITION: 18,565 SF± (0.43 ACRES)
- PUBLIC BENEFIT MITIGATION AREA TO BE PLANTED TO GOOD CONDITION: 1,000 SF± (0.02 ACRES)
- TREES TO BE REMOVED

WETLAND BOUNDARY WAS DELINEATED BY AKS ENGINEERING & FORESTRY, LLC (AKS) ON MAY 31, 2022 AND LOCATED WITH SUBMETER USING A TRIMBLE GEO 7X HANDHELD GPS RECEIVER. 1-FT INTERVAL GROUND CONTOURS, EXISTING CONDITIONS, STUDY AREA BOUNDARY, AND A PARTIAL TREE SURVEY OF TREES >6" DBH DERIVED FROM AKS PROFESSIONAL LAND SURVEY ON APRIL 4-6 2022.

CWS FILE NO. 24-000237
 Approved
 Clean Water Services
 FOR ENVIRONMENTAL REVIEW
 By SVB Date 3/12/2024
 SPLATTACHMENT 4 OF 4



DATE: 01/10/2024

FIGURE

NATURAL RESOURCES SITE PLAN

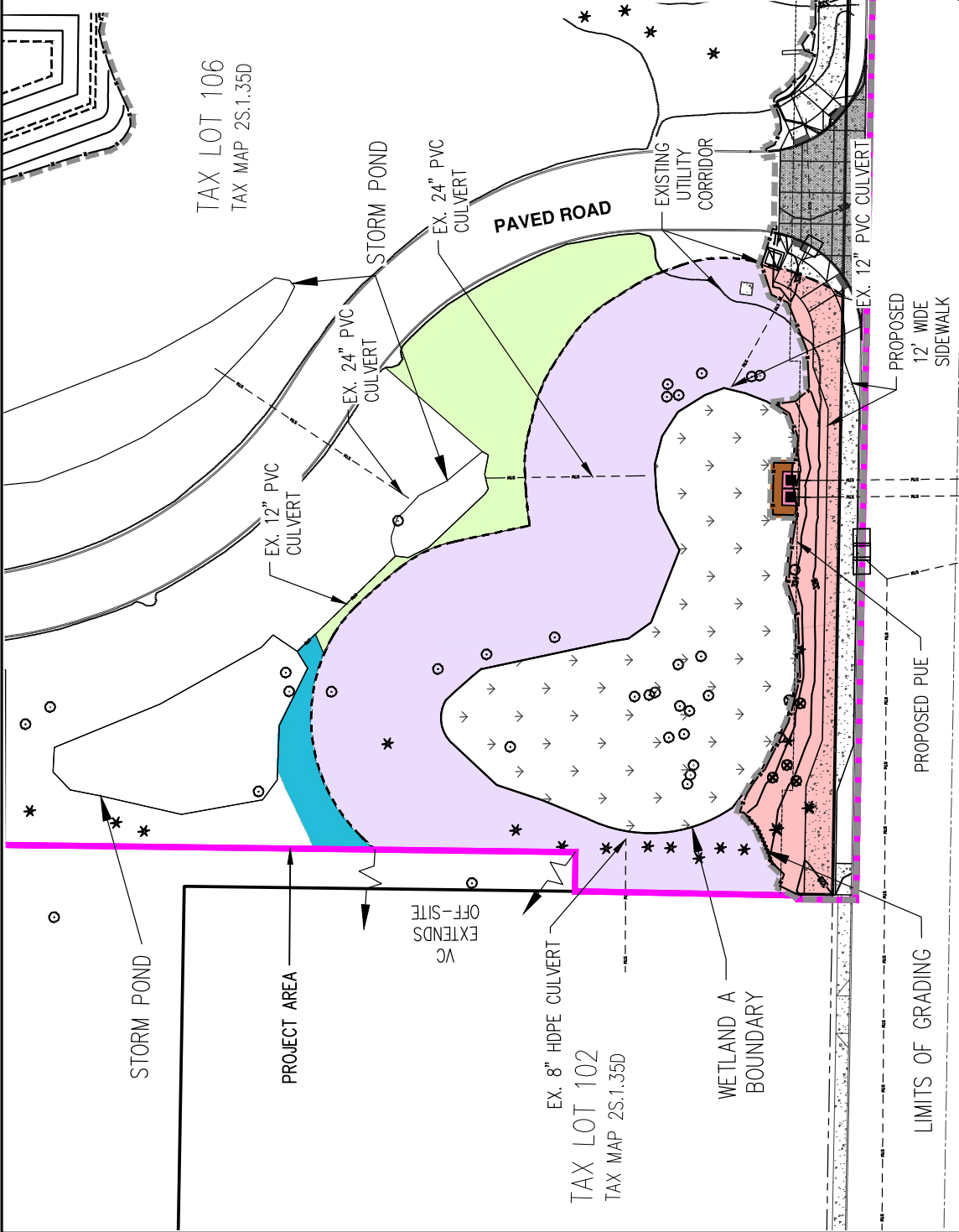
FIGURE

6A

HORIZON COMMUNITY CHURCH TIER 2 ALTERNATIVES ANALYSIS REPORT

AKS ENGINEERING & FORESTRY, LLC
 12965 SW HERMAN RD, STE 100
 TUALATIN, OR 97062
 503.563.6151 WWW.AKS-ENG.COM

DRINK: GPM
 CHKD: SKD
 AKS JOB: 9349



SW BOONES FERRY ROAD