

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



**North Operating Center**  
11945 SW 70<sup>th</sup> 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: Matthew Bridegroom  
 Address: 15865 SW 72<sup>nd</sup> Ave #200, Portland, OR 97224  
 Phone: 503-226-1285  
 Email: matthewb@cidainc.com  
 Site Address: 14843 SW Oregon St  
 City: Sherwood, OR 97140  
 Map & Tax Lot #: 2S129DC00500  
 Business Name: JBMac Ventures for American Fire Systems Inc  
 Land Use/Building Jurisdiction: Com/Sherwood  
 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**

**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 # 2022-0061  
 Permit Type: SPP  
 Submittal Date: \_\_\_\_\_  
 Assigned To: Darby  
 Due Date: 5/18/22  
 Fees Due: \_\_\_\_\_  
 Fees Paid: \_\_\_\_\_

**Approval/Inspection Conditions**  
(For Fire Marshal's Office Use Only)

**This section is for application approval only**

5/18 0206 5/18/22  
 Fire Marshal or Designee Date

Conditions:

See Attached Conditions:  Yes  No

Site Inspection Required:  Yes  No

**This section used when site inspection is required**

Inspection Comments:

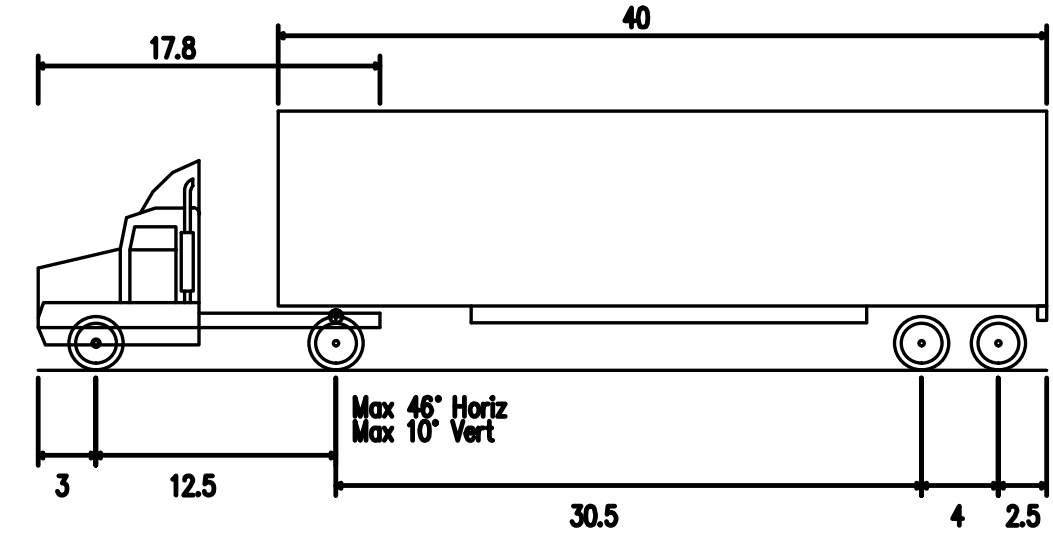
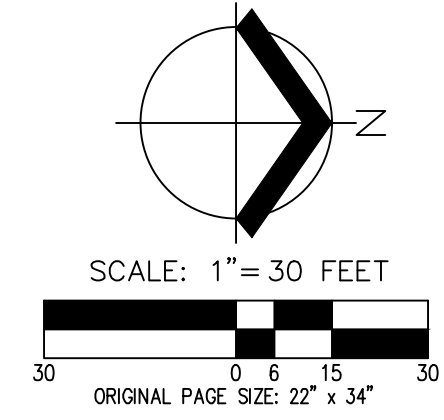
Final TVFR Approval Signature & Emp ID \_\_\_\_\_ Date \_\_\_\_\_



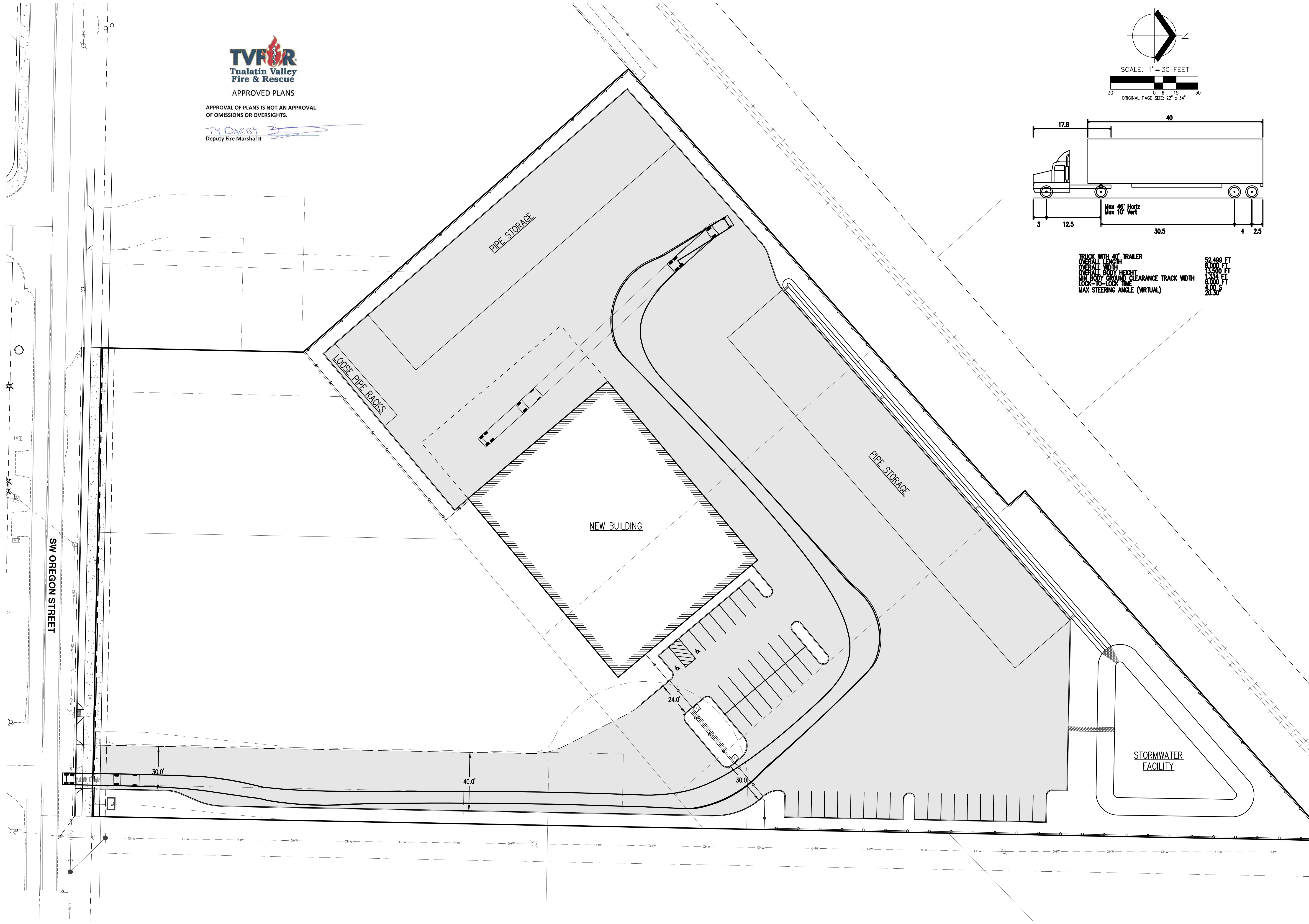
APPROVED PLANS

APPROVAL OF PLANS IS NOT AN APPROVAL OF OMISSIONS OR OVERSIGHTS.

TJ DARGY  
Deputy Fire Marshal II



TRUCK WITH 40' TRAILER	52.489 FT
OVERALL LENGTH	52.489 FT
OVERALL WIDTH	17.800 FT
OVERALL HEIGHT	13.500 FT
MIN BODY HEIGHT	7.500 FT
MIN BODY GROUND CLEARANCE	6.000 FT
TRACK WIDTH	6.000 FT
LOCK-TO-LOCK TIME	3.00 S
MAX STEERING ANGLE (VRTUAL)	20.3°



# INBOUND TRUCK TURNING MOVEMENT AFP SYSTEMS SITE PLAN AFP SYSTEMS SHERWOOD, OREGON

**AKS**  
AKS ENGINEERING & FORESTRY, LLC  
12965 SW HERMAN RD, STE 100  
TUALATIN, OR 97062  
503.563.6151  
WWW.AKS-ENG.COM  
ENGINEERING · SURVEYING · NATURAL RESOURCES  
FORESTRY · PLANNING · LANDSCAPE ARCHITECTURE

JOB NUMBER: 8827-03  
DATE: 04/22/2022  
DESIGNED BY: APC & TJ  
DRAWN BY: APC  
CHECKED BY: TJ

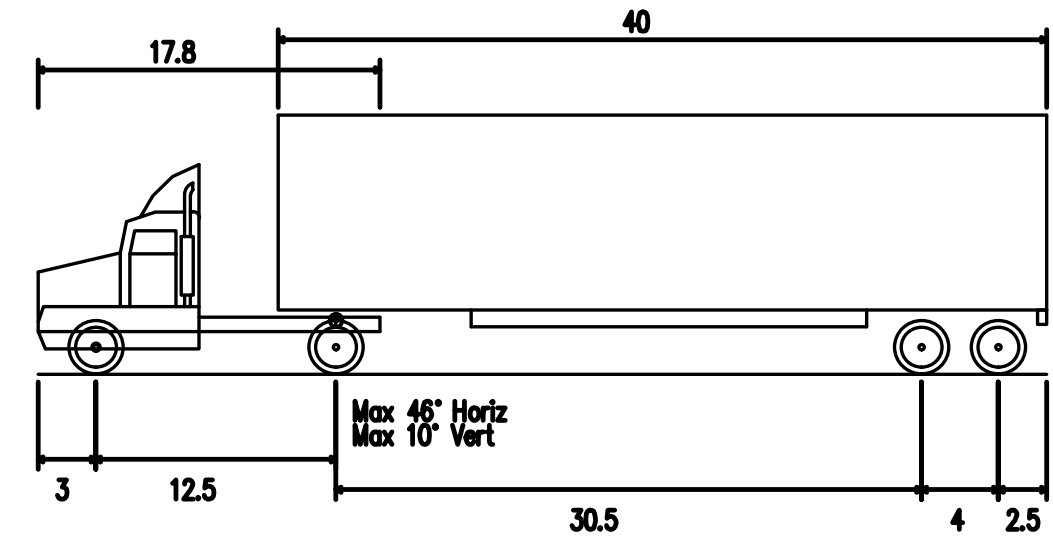
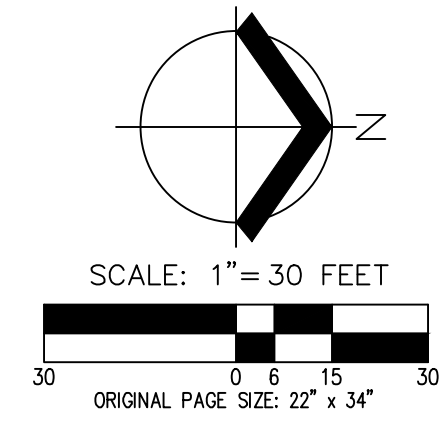
AKS DRAWING FILE: 8827-03 TURNING MOVEMENTS.DWG | LAYOUT: INBOUND



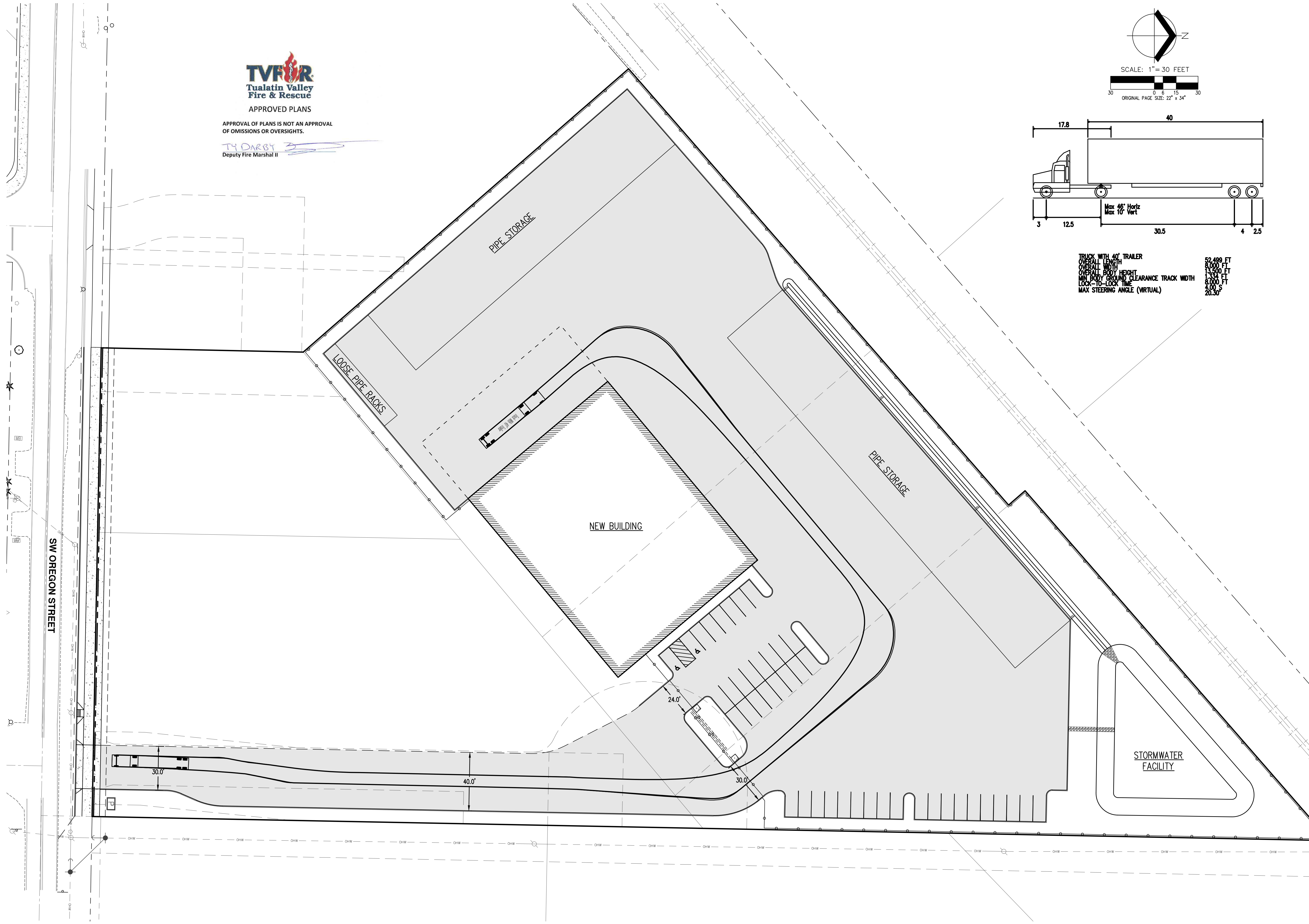
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TJ DARBY  
Deputy Fire Marshal II



TRUCK WITH 40' TRAILER  
OVERALL LENGTH 52.489 FT  
OVERALL WIDTH 8.000 FT  
OVERALL HEIGHT 13.500 FT  
MIN BODY HEIGHT 7.500 FT  
MIN BODY GROUND CLEARANCE TRACK WIDTH 8.000 FT  
LOCK-TO-LOCK TIME 3.00 S  
MAX STEERING ANGLE (VIRTUAL) 20.3°



**OUTBOUND TRUCK TURNING MOVEMENT  
AFP SYSTEMS SITE PLAN  
AFP SYSTEMS  
SHERWOOD, OREGON**

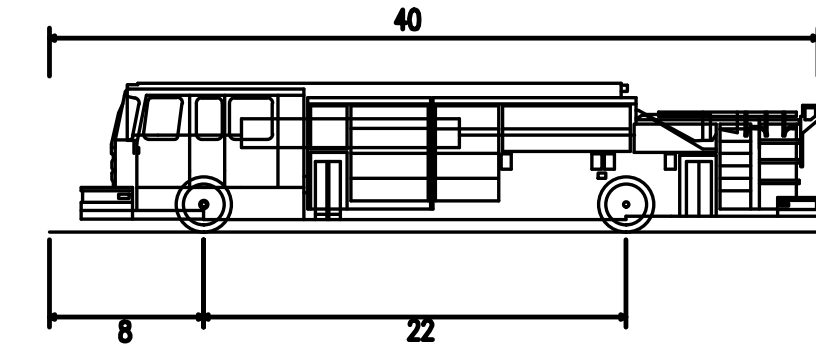
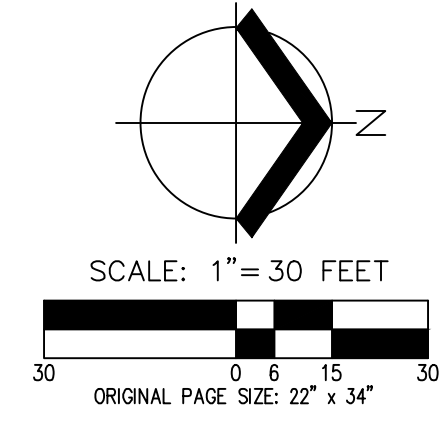
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DATE: 04/22/2022  
DESIGNED BY: APC & TJ  
DRAWN BY: APC  
CHECKED BY: TJ



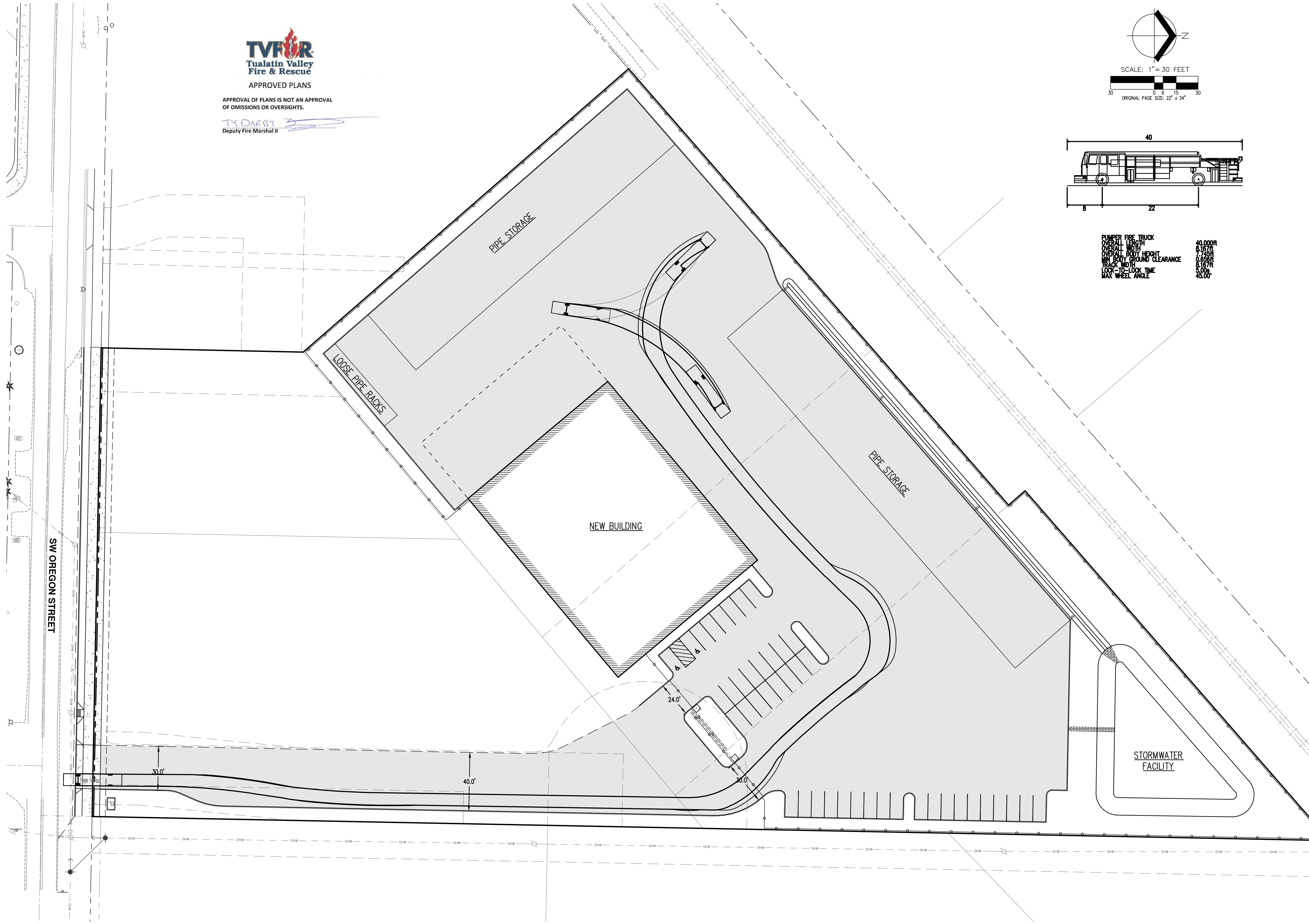
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TJ DARBY  
Deputy Fire Marshal II



PUMPER FIRE TRUCK	
OVERALL LENGTH	40.000ft
OVERALL WIDTH	8.167ft
OVERALL BODY HEIGHT	7.750ft
MIN BODY GROUND CLEARANCE	0.656ft
TRUCK WIDTH	8.167ft
LOCK-TO-LOCK TIME	5.00s
MAX WHEEL ANGLE	45.00°



**PUMPER FIRE TRUCK TURNING MOVEMENT A**  
**AFP SYSTEMS SITE PLAN**  
**AFP SYSTEMS**  
**SHERWOOD, OREGON**

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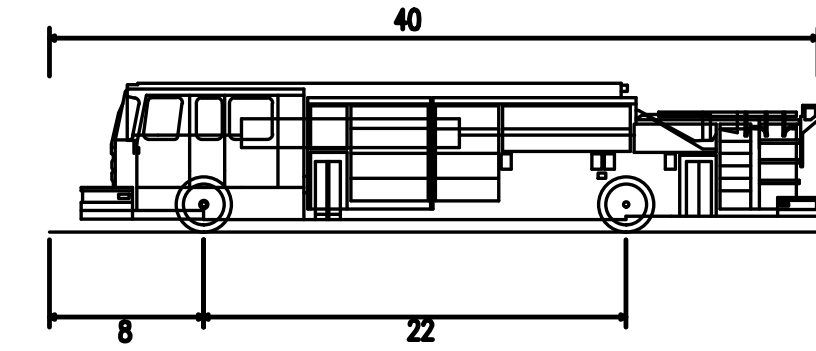
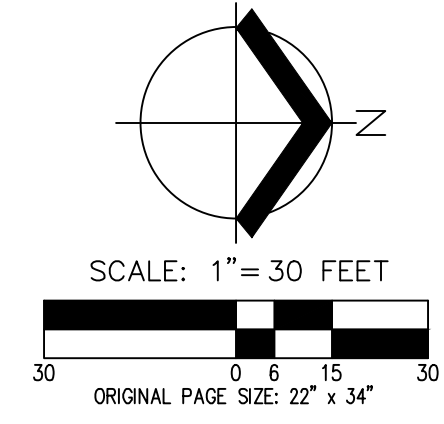
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DATE:	04/22/2022
DESIGNED BY:	APC & TJ
DRAWN BY:	APC
CHECKED BY:	TJ



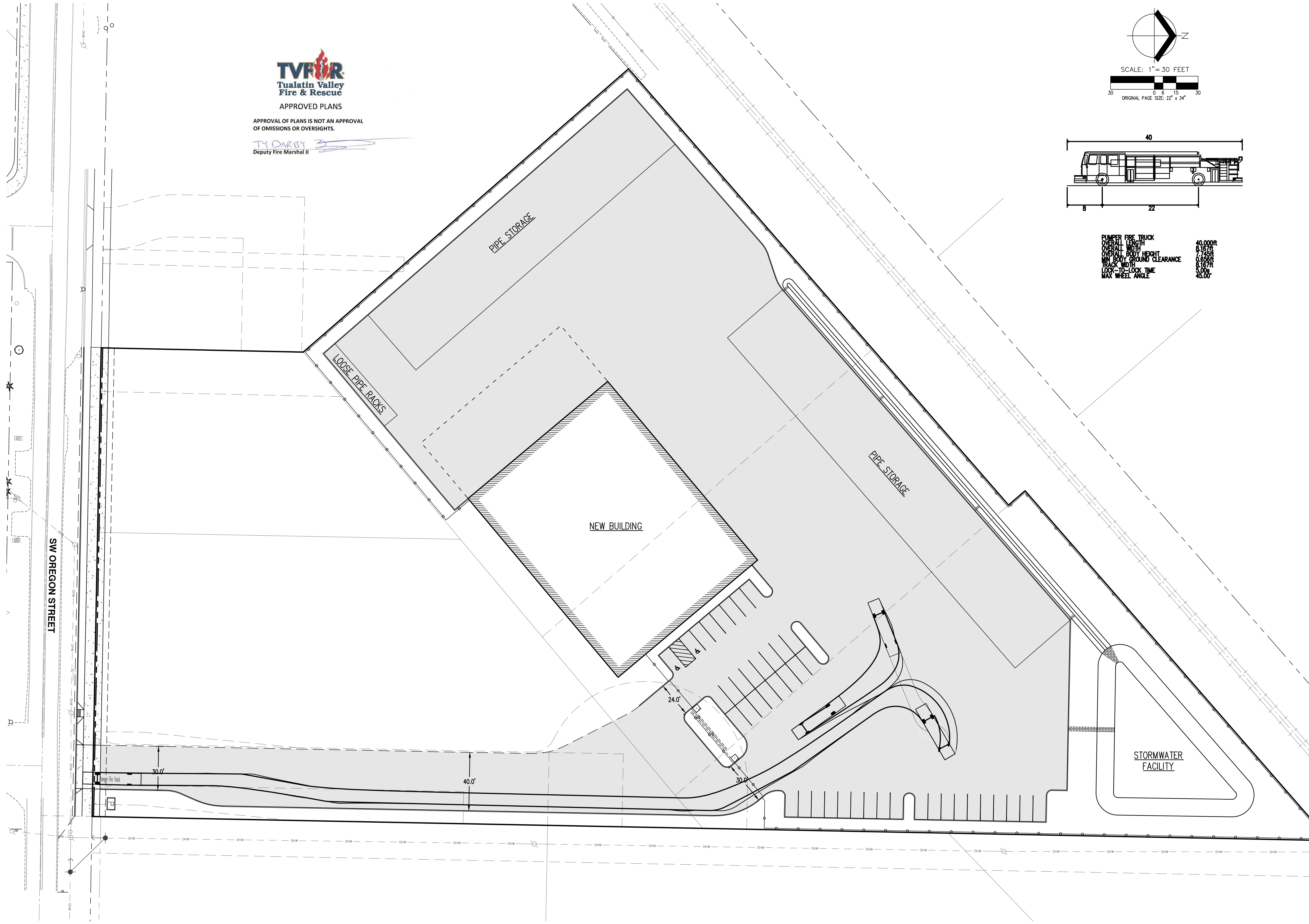
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TJ DARBY  
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**PUMPER FIRE TRUCK TURNING MOVEMENT B**  
**AFP SYSTEMS SITE PLAN**  
**AFP SYSTEMS**  
**SHERWOOD, OREGON**

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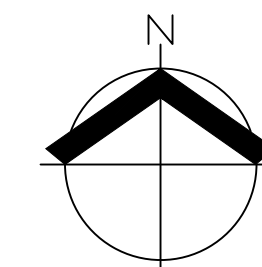
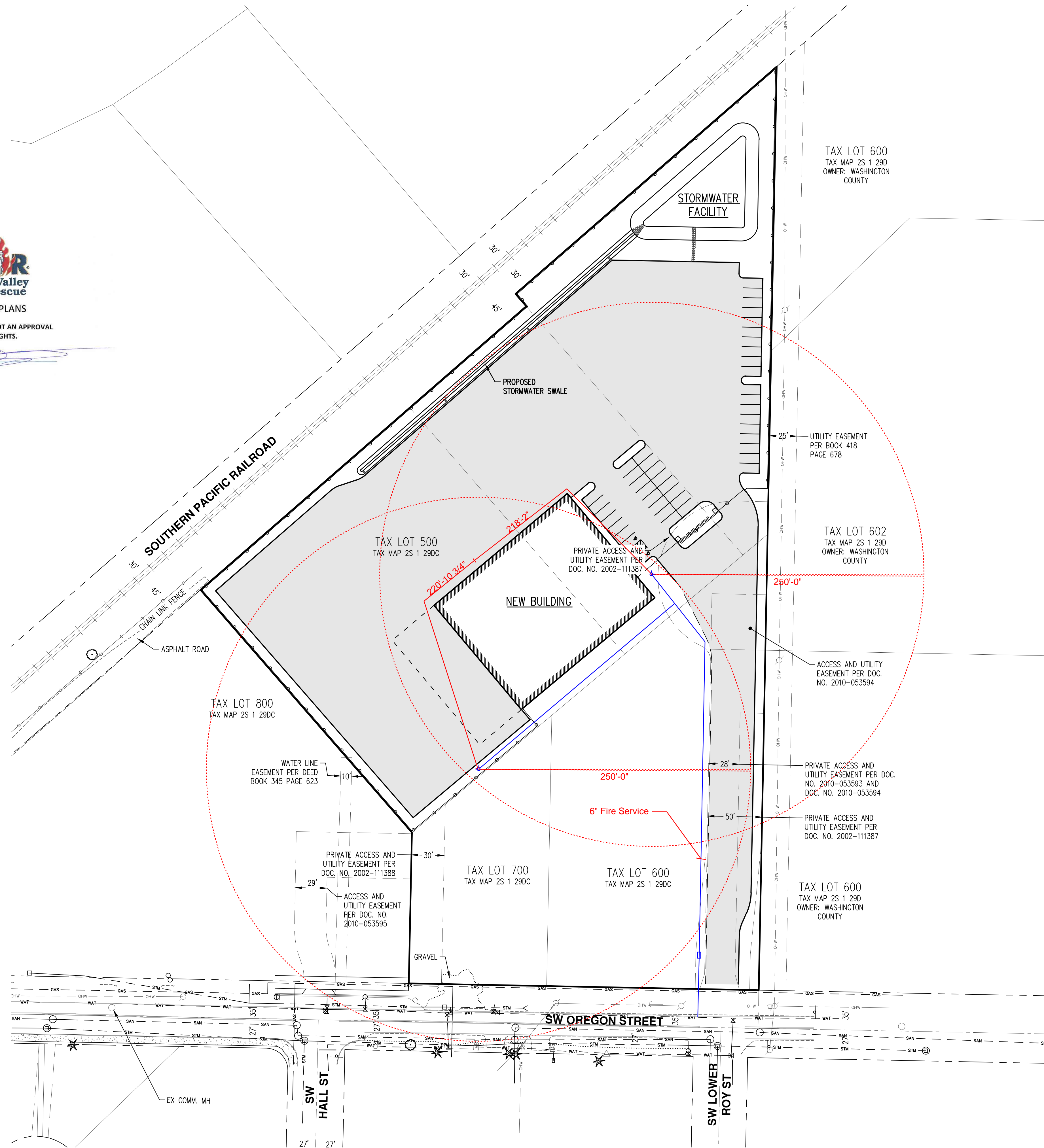
JOB NUMBER:	8827-03
DATE:	04/22/2022
DESIGNED BY:	APC & TJ
DRAWN BY:	APC
CHECKED BY:	TJ



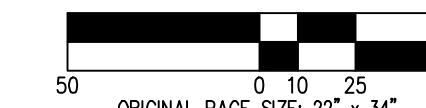
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TJ DARBY  
Deputy Fire Marshal II



SCALE: 1" = 50 FEET



ORIGINAL PAGE SIZE: 22" x 34"

**SITE PLAN**  
**AFP SYSTEMS SITE PLAN**  
**AFP SYSTEMS**  
**SHERWOOD, OREGON**

JOB NUMBER: 8627-03  
 DATE:  
 DESIGNED BY: APC & TJ  
 DRAWN BY: APC  
 CHECKED BY: TJ

**FIGURE 6**

## Tara Lund

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**From:** Tyler Joki <jokit@aks-eng.com>  
**Sent:** Monday, May 9, 2022 9:58 AM  
**To:** Tara Lund  
**Cc:** Dirk Otis  
**Subject:** FW: Fire Flow & Pressure Test Data for Hydrant on SW Oregon St

Good morning Tara and Dirk,

Below is the email chain Jason wants us to reference regarding hydrant flow testing for our upcoming Land Use submittal. Per our meeting last week, this should be sufficient documentation to show suitable flow for fire and water service to the site. I'll follow up once I get any additional information.

Thanks again,

### Tyler Joki

#### AKS ENGINEERING & FORESTRY, LLC

P: 503.563.6151 Ext. 273 | C: 971.207.1556 | [www.aks-eng.com](http://www.aks-eng.com) | [jokit@aks-eng.com](mailto:jokit@aks-eng.com)

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**From:** Jason Waters <WatersJ@SherwoodOregon.gov>  
**Sent:** Monday, May 9, 2022 9:07 AM  
**To:** Tyler Joki <jokit@aks-eng.com>  
**Subject:** Fwd: Fire Flow & Pressure Test Data for Hydrant on SW Oregon St

**EXTERNAL EMAIL:** This email originated from outside AKS Engineering & Forestry.

Hi Tyler,

See below re: hydrant test for the AFP site in Sherwood and you can use this email chain in-lieu of the data for a few weeks. Our GIS data shows older tests at 80-84 PSI and this is a resiliency line that we'll be replacing with the road project.

I'll check-in with Craig Christensen today on his schedule for Tuesday or Wednesday to verify assumptions for your initial application for the 3 lots east of the Zenport site. We'll get something setup in Teams.

Thanks,  
Jason

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**From:** Richard Sattler <[SattlerR@SherwoodOregon.gov](mailto:SattlerR@SherwoodOregon.gov)>  
**Sent:** Monday, May 9, 2022 8:03:06 AM  
**To:** Jason Waters <[WatersJ@SherwoodOregon.gov](mailto:WatersJ@SherwoodOregon.gov)>  
**Subject:** RE: Fire Flow & Pressure Test Data for Hydrant on SW Oregon St

Morning Jason,  
We can put on the schedule.  
Take Care,  
Rich

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**From:** Jason Waters <[WatersJ@SherwoodOregon.gov](mailto:WatersJ@SherwoodOregon.gov)>  
**Sent:** Friday, May 6, 2022 11:37 AM

**To:** Richard Sattler <[SattlerR@SherwoodOregon.gov](mailto:SattlerR@SherwoodOregon.gov)>

**Subject:** FW: Fire Flow & Pressure Test Data for Hydrant on SW Oregon St

Hi Rich,

Following up on the email below regarding recent hydrant pressure & flow test data available for 1 of the 3-4 hydrants around the Zenport Development, per the attached exhibits (hydrant ID's WHY483, WHY7798, or WHY386). If not, let me know if someone needs to submit a formal hydrant test request.

Take care,  
Jason

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**From:** Jason Waters

**Sent:** Friday, April 29, 2022 10:10 AM

**To:** Richard Sattler <[SattlerR@SherwoodOregon.gov](mailto:SattlerR@SherwoodOregon.gov)>

**Subject:** Fire Flow & Pressure Test Data for Hydrant on SW Oregon St

Hi Rich,

I'm looking for recent fire flow test data from one of the 3 or 4 hydrants near the Zenport development on SW Oregon St. I've extracted the GIS data for each hydrant in the attached .xlsx file and also a map showing the locations of each hydrant (.pdf). AKS will eventually need the data for their land-use project due east of Zenport site; I'll be using it too for my road design project, so let me know if a test request form is required or email reply should do.

Thanks,  
Jason

**Jason M. Waters, P.E.**

Civil Engineer

**CITY OF SHERWOOD**

**Engineering Department**

22560 SW Pine Street | Sherwood, OR | 97140

Desk 503.925.2304 | Mobile 971.979.2985 | Fax 503.625.0629

[watersj@sherwoodoregon.gov](mailto:watersj@sherwoodoregon.gov) | [www.sherwoodoregon.gov](http://www.sherwoodoregon.gov)



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