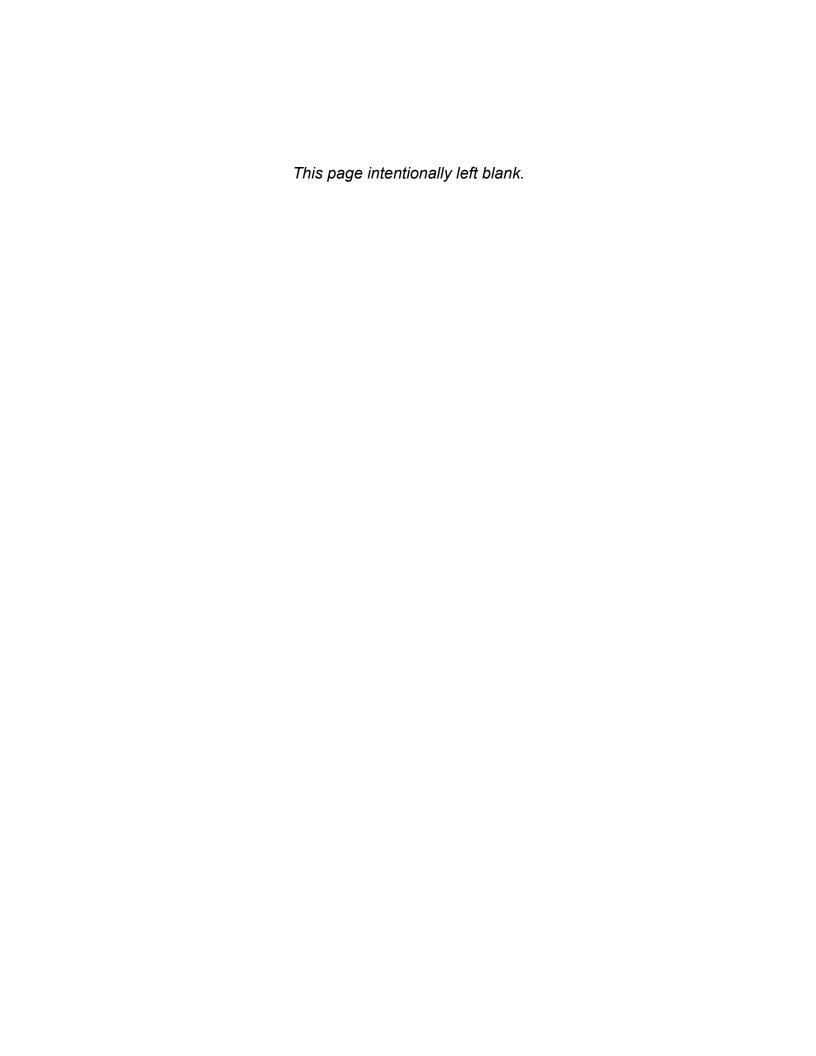
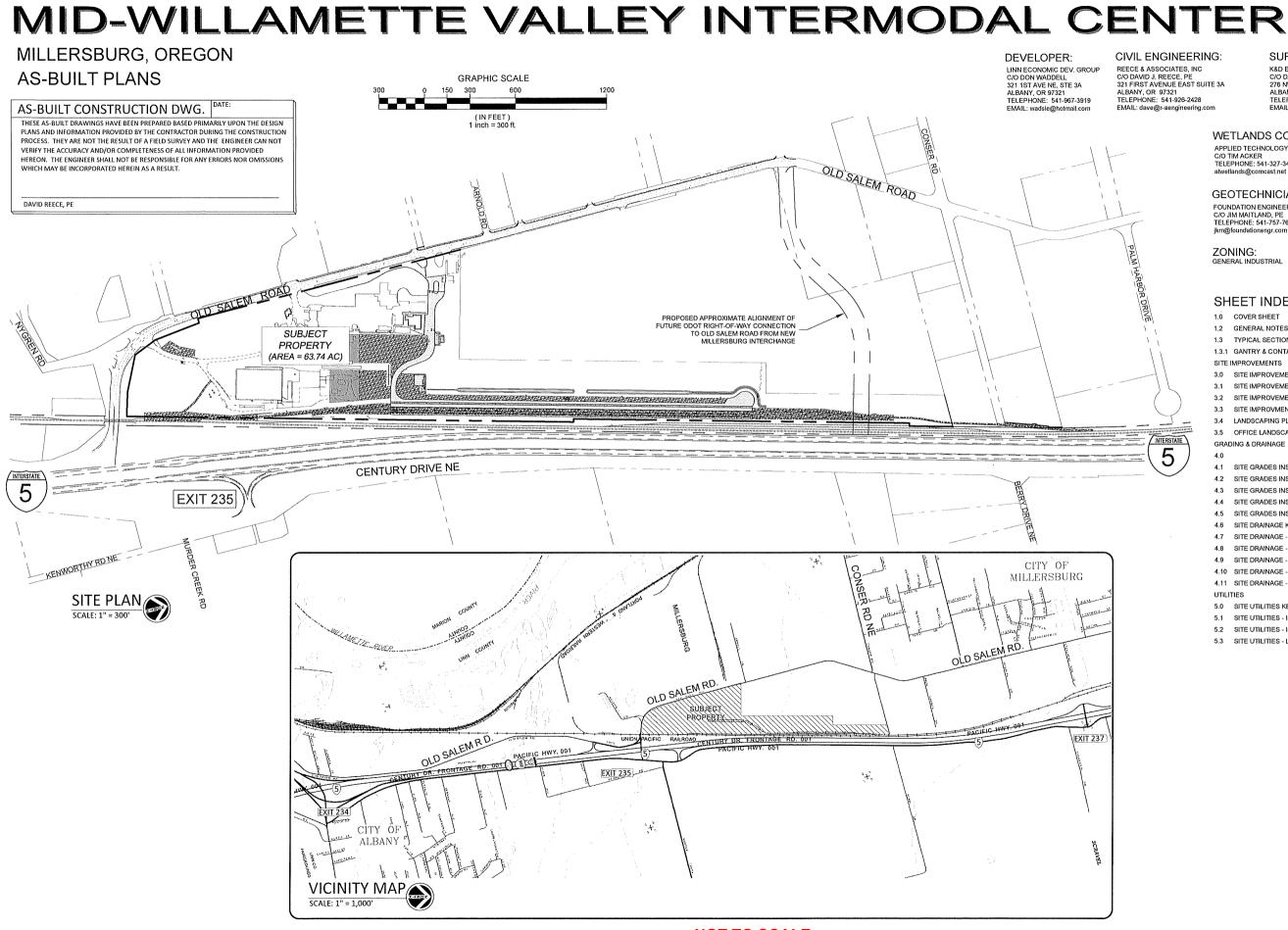
### Attachment B – As-Built Plans for the Mid-Willamette Valley Intermodal Center, including Stormwater



## LINN ECONOMIC DEVELOPMENT GROUP



REECE & ASSOCIATES, INC

C/O DAVID J. REECE, PE 321 FIRST AVENUE EAST SUITE 3A ALBANY, OR 97321 TELEPHONE: 541-926-2428 EMAIL: dave@r-aengineering.co

K&D ENGINEERING, INC. C/O DAN WATSON, PE 276 NW HICKORY STREET ALBANY OR 97321 TELEPHONE: 541-928-2583 EMAIL: dwatson@kdeng.com

### WETLANDS CONSULTANT:

APPLIED TECHNOLOGY WETLANDS & FORESTRY C/O TIM ACKER TELEPHONE: 541-327-3427

### GEOTECHNICIAN:

FOUNDATION ENGINEERING C/O JIM MAITLAND, PE TELEPHONE: 541-757-7645

ZONING:

### SHEET INDEX

- 1.0 COVER SHEET
- 1.2 GENERAL NOTES & LEGEND
- 1.3 TYPICAL SECTIONS
- 1.3.1 GANTRY & CONTAINER YARD TYPICAL SECTIONS

- 3.0 SITE IMPROVEMENTS SOUTH
- 3.1 SITE IMPROVEMENTS INSET
- 3.2 SITE IMPROVEMENTS CENTRAL 3.3 SITE IMPROVMENTS - NORTH
- 3.4 LANDSCAPING PLAN
- 3.5 OFFICE LANDSCAPE PLAN GRADING & DRAINAGE

- 4.1 4.2 SITE GRADES INSET 2
- 4.3 SITE GRADES INSET 3
- 4.4 SITE GRADES INSET 4 4.5 SITE GRADES INSET 5
- 4.6 SITE DRAINAGE KEY
- 4.7 SITE DRAINAGE STORM INSET 1
- 4.8 SITE DRAINAGE STORM INSET 2 4.9 SITE DRAINAGE - STORM INSET 3
- 4.10 SITE DRAINAGE STORM INSET 4
- 4.11 SITE DRAINAGE STORM INSET 5

### UTILITIES

- 5.0 SITE UTILITIES KEY
- 5.1 SITE UTILITIES INSET 1
- 5.2 SITE UTILITIES INSET 2 5.3 SITE UTILITIES - LIGHTING INSET



RENEWS 12/31/22

CENTER

MID-WILLAMETTE VALLEY INTERMODAL

ECONOMIC DEVELOPMENT
MILLERSBURG, OREGON **COVER SHEET** 

PLAN REVISIONS No. | DATE | BY AS-BUILT | 03-08-2022 | AKV

R&@ PROJECT NO.

LED1901 DATE | 03/11/2021 DESIGNED | K.RICCITELLI ENGINEER D. REECE CHECKED | A. CECCHINI SCALE AS INDICATED

### SITE LEGEND

### NOTE: LINETYPE THICKNESS OR TEXT MAY BE MODIFIED TO DESCRIBE SIZE OF PIPE

### **PROPOSED** EXISTING SYMBOL DESCRIPTION SYMBOL DESCRIPTION ADJACENI PROPERTY LINE ADJACENT PROPERTY LINE SUBJECT PROPERTY LINE PROPERTY LINE EASEMENT EASEMENT \_300- \ MAJOR CONTOUR MAJOR CONTOUR \_ -300 MINOR CONTOUR MINOR CONTOUR EDGE OF PAVEMENT EDGE OF PAVEMENT PAVEMENT PAVEMENT GRAVEL GRAVEL CONCRETE CONCRETE BUILDING BUILDING FENCE FENCE -- x ----- x -----STORM LINE \_\_\_\_ SD \_\_\_\_ SD \_\_\_\_ STORM LINE 0 D) STORM MANHOLE STORM MANHOLE STORM INLET / DITCH INLET STORM INLET / DITCH INLET **James** CURB INLET CURB INLET CULVERT CULVERT WATERLINE WATERLINE $\Sigma$ WATER METER 4 (3) FIRE HYDRANT FIRE HYDRANT WATER VALVE WATER VALVE SANITARY SEWER LINE -- ss --- ss --- ss --SANITARY SEWER LINE 0 SANITARY SEWER MANHOLE SANITARY SEWER MANHOLE SANITARY CLEANOUT (C) SANITARY CLEANOUT ---- OHE ----- OHE ----OVERHEAD POWER --- OHE ---- OHE ----OVERHEAD POWER UNDERGROUND POWER -----UGE------UGE------UNDERGROUND POWER PARKING LIGHT / STREET LIGHT 40' LIGHT POLE / 100' YARD LIGHT POLE n 9 8 edbo UTILITY POLE / GUY WIRE UTILITY POLE - 00% ----- 00% --COMMUNICATIONS LINE --- COM --- COM ---COMMUNICATIONS LINE FIBER OPTICS LINE FIBER OPTICS LINE ×0 10 -----F0-----F0----SIGN SIGN TELEPHONE LINE TELE ----TELEPHONE LINE WETLAND LANDSCAPED AREA RAILROAD TRACKS RAILROAD TRACKS ----- GAS GAS PIPELINE GAS PIPELINE SAS DIESEL PIPELINE ----2"----2"----2"-----2" FIBER OPTIC CONDUIT ----3"-----3"-----3" 3" SCHEDULE 40 PVC ELECTRIC CONDUIT Р ELECTRICAL SERVICE GEAR

### VERTICAL DATA:

VERTICAL DATUM: NAVD 88
HORIZONTAL DATUM: NAD 83 (2011) EPOCK 2010.00 PER ORGN
COORDINATE SYSTEM: OCRS SALEM ZONE TIED INTO LINN CO.
GPS STATIONS: 93012, 93014, 93013, 93015, 93016, 93196, 93197 AND 93198

### **HORIZONTAL DATA:**

THE PROPERTY LINES SHOWN HEREON ARE FROM A SURVEY MAP OF THE INTERNATIONAL PAPER SITE AS PREPARED BY WILLAMETTE INDUSTRIES, INC. ENGINEERING DEPARTMENT (DWG #MISC-94-9278-P-01) DATED APRIL 24, 1995. THIS IS NOT A BOUNDARY SURVEY.

### UTILITY DATA:

THE UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM FIELD SURVEY PERFORMED BY KAD ENGINEERING IN 2018 AND EXISTING DRAWNOS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CETTLEY THAT THEY DREVE OR THE OUTS HOUSE HE SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES

### WATER SYSTEM:

WATER DISTRIBUTION IS BY THE CITY OF MILLERSBURG

### SANITARY SEWER:

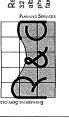
SANITARY SEWER IS BY THE CITY OF MILLERSBURG

### FLOOD PLAIN NOTE:

THIS SITE IS LOCATED WITHIN ZONE "X", OUTSIDE OF 1% AND 0.2% ANNUAL CHANCE FLOODPLAIN AS DESIGNATED ON THE 0.2% ANNOAL CHAIGE FLOOD PLAIN AS DESIGNATED OF FLOOD INSURANCE RATE MAPS (FIRM) NUMBERS: 41043C0216G - LAST REVISED SEPTEMBER 29TH, 2010 41043C0212H - LAST REVISED DECEMBER 8TH, 2016

### TRACK IMPROVMENTS NOTE:

FOR ALL TRACK IMPROVEMENTS, REFER TO UPRR APPROVED PLANS FES 41601 & 47812.







RENEWS 12/31/22

MID-WILLAMETTE VALLEY INTERMODAL CENTER

LINN ECONOMIC DEVELOPMENT GROUP MILLERSBURG, OREGON

GENERAL NOTES & LEGEND

PLAN REVISIONS No. | DATE | BY AS-BUILT | 03-08-2022 | AKV R&@ PROJECT NO.

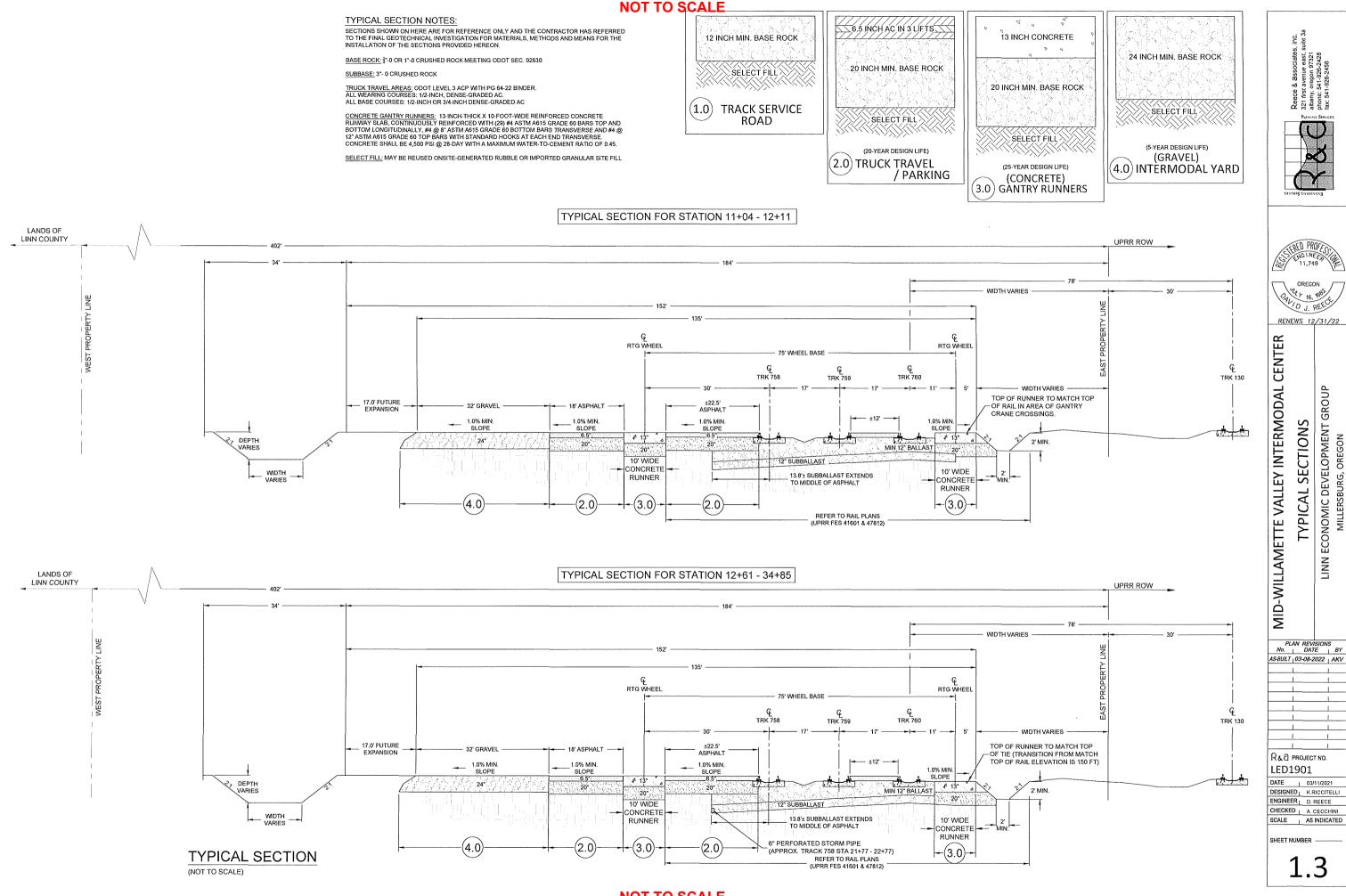
LED1901

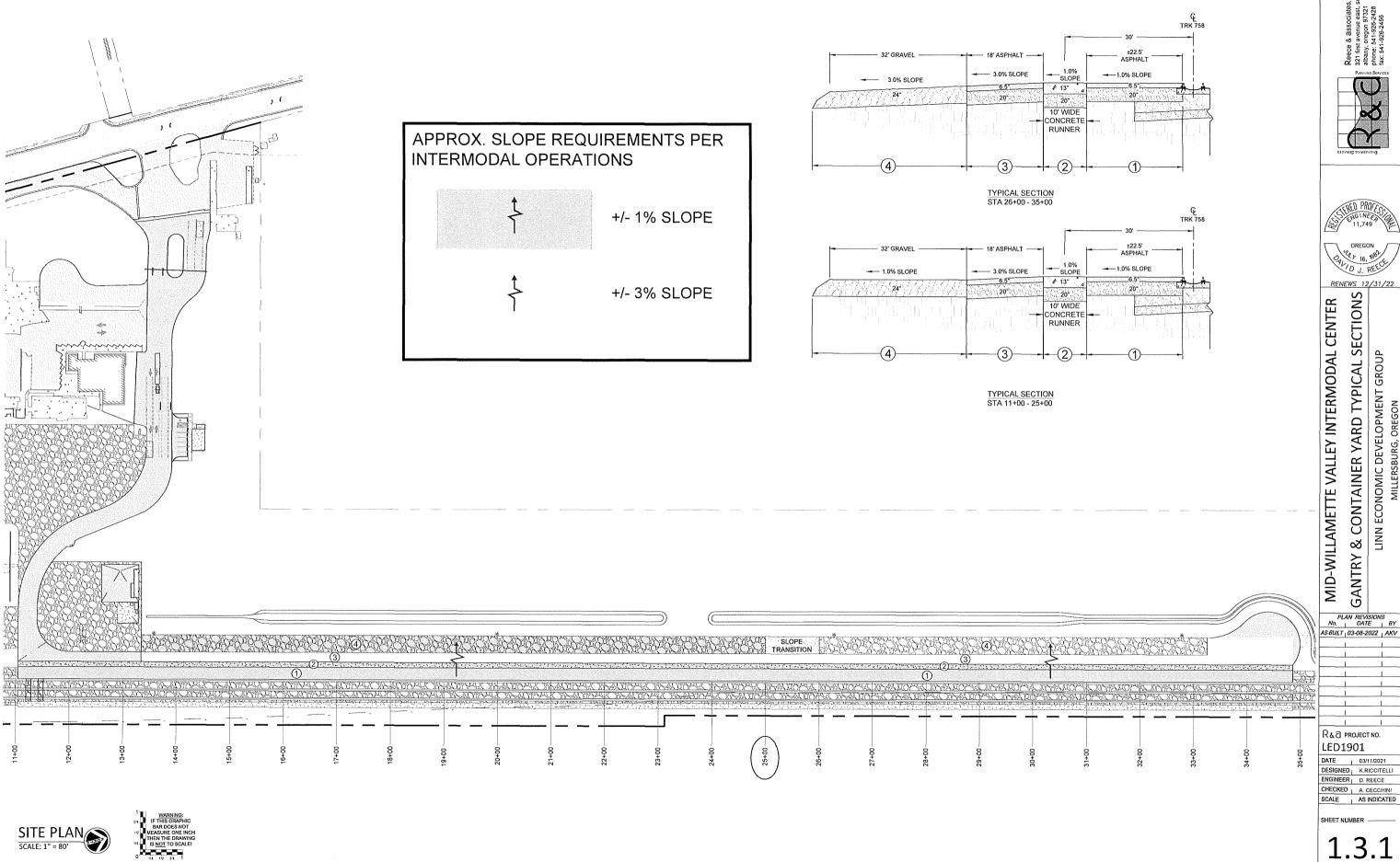
DATE | 03/11/2021 DESIGNED | K.RICCITELLI ENGINEER D. REECE CHECKED | A. CECCHINI SCALE | AS INDICATED

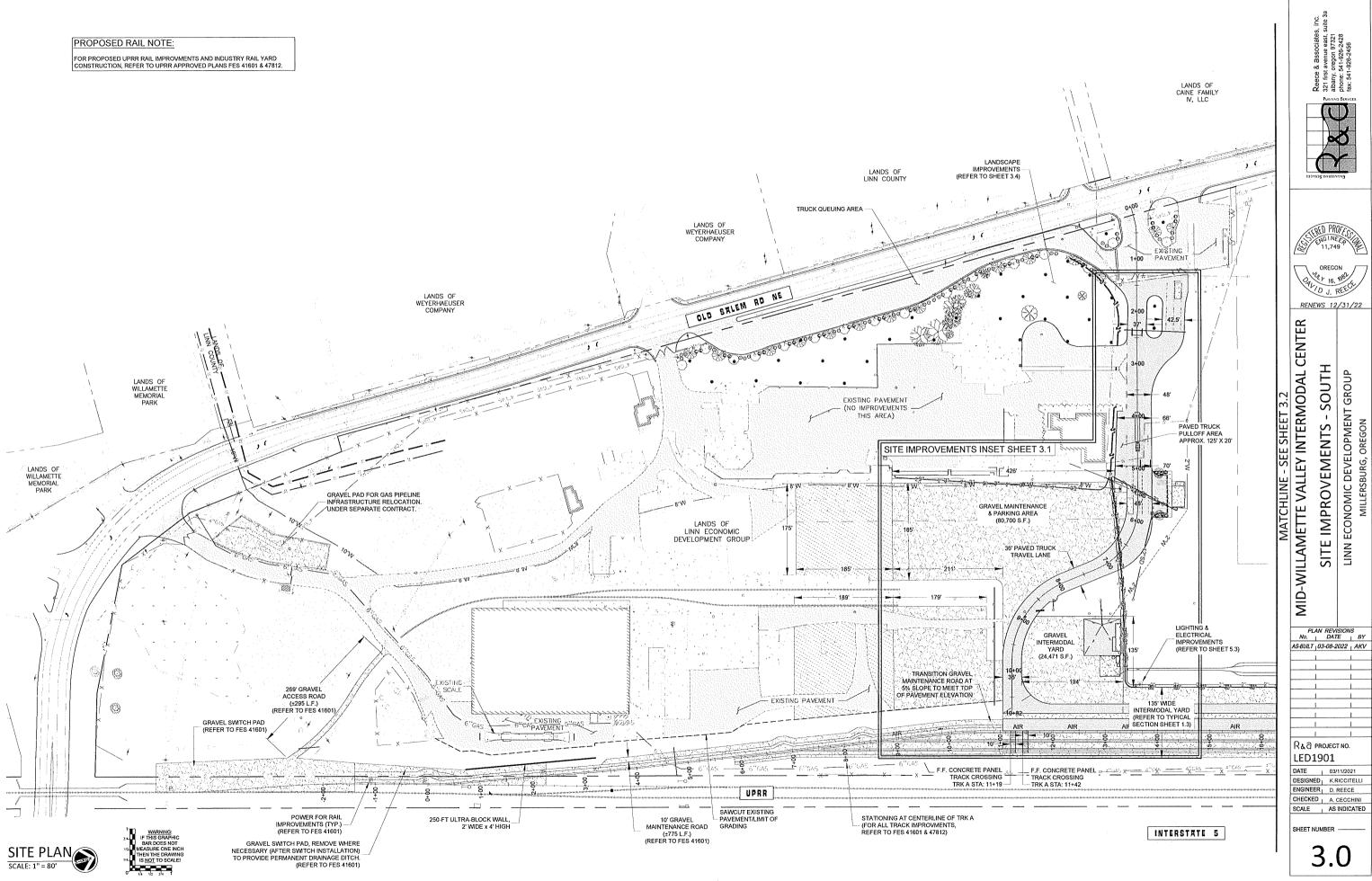
SHEET NUMBER ----

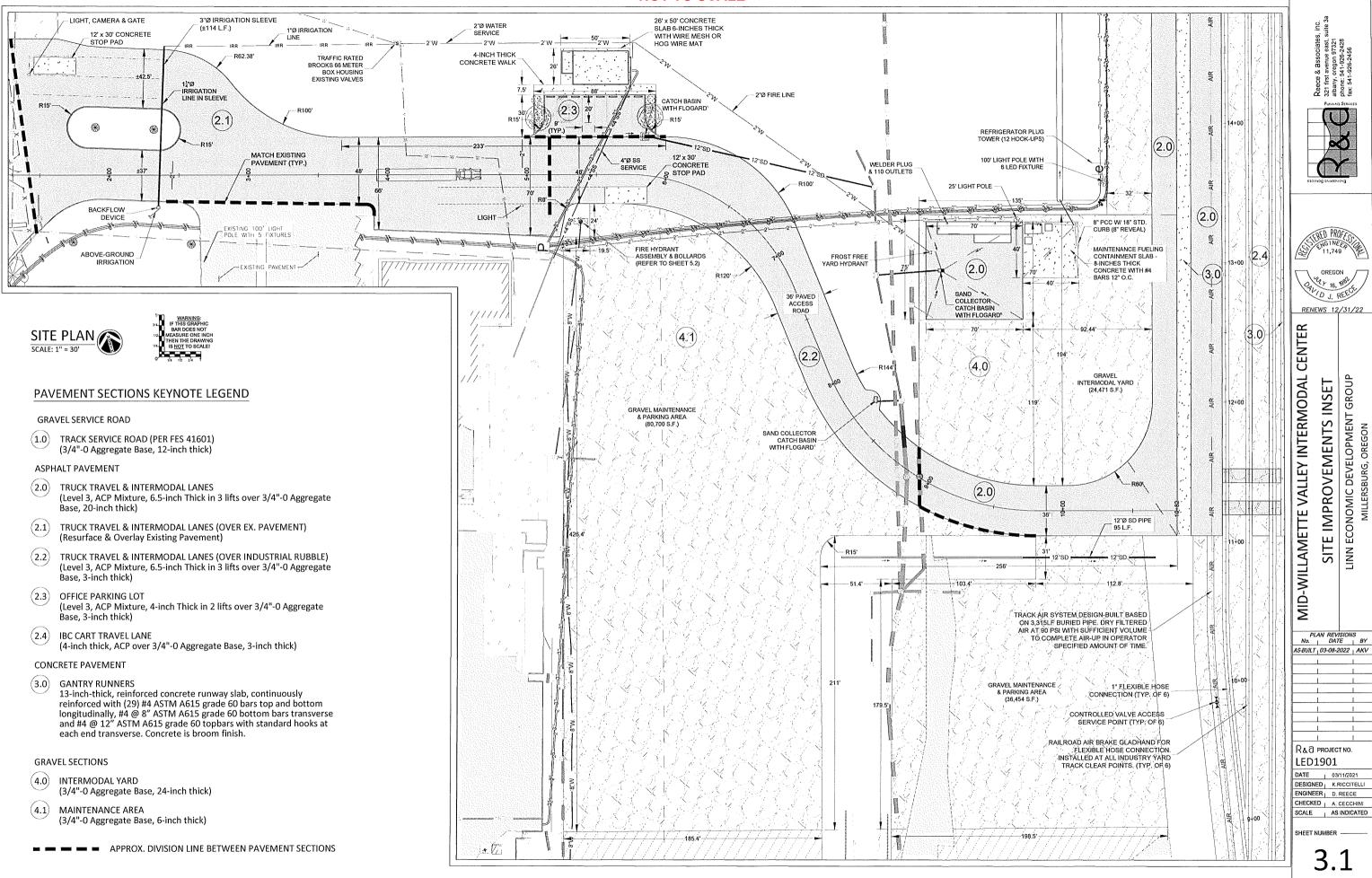
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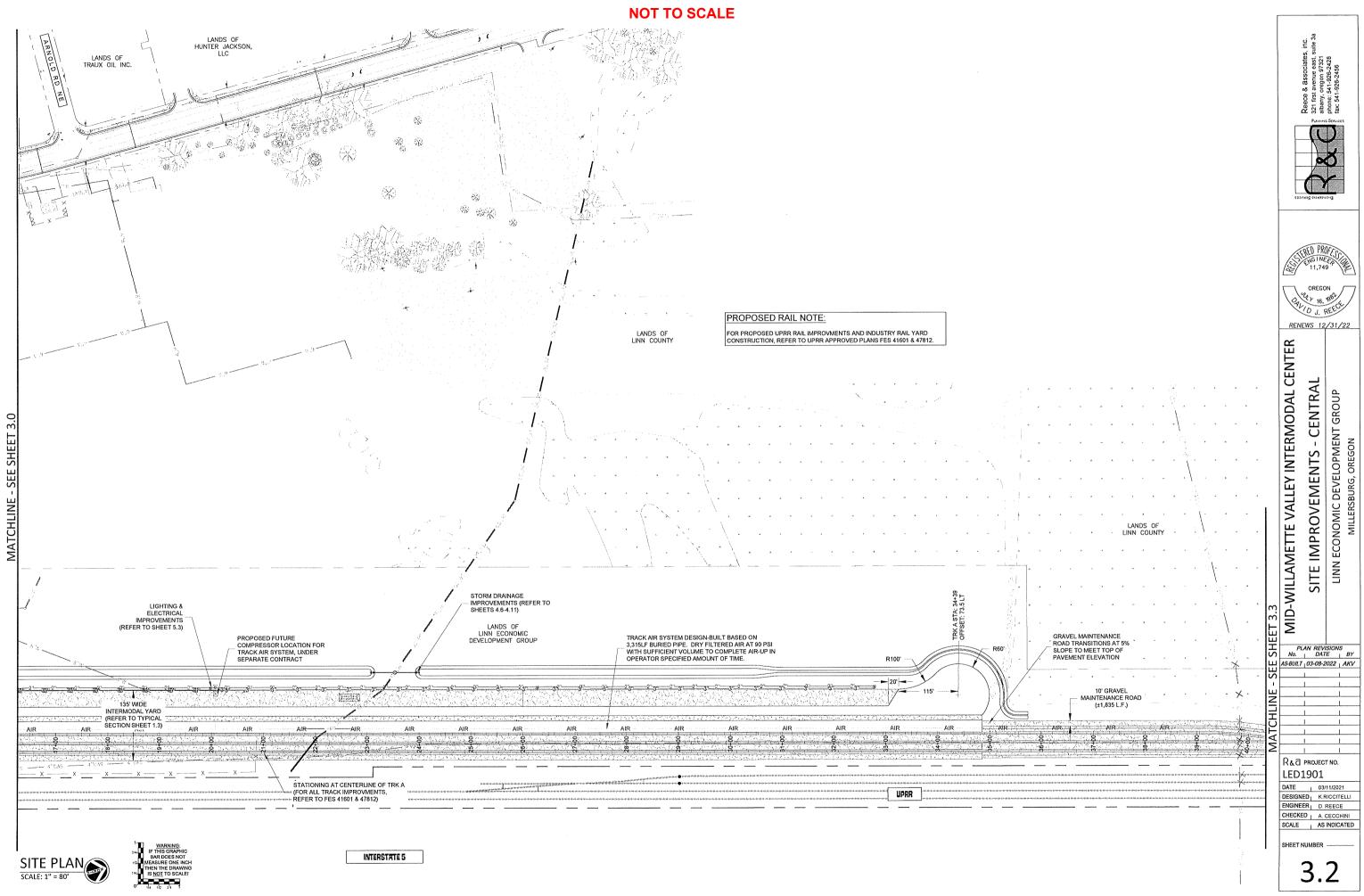
REFRIGERATOR PLUG TOWER

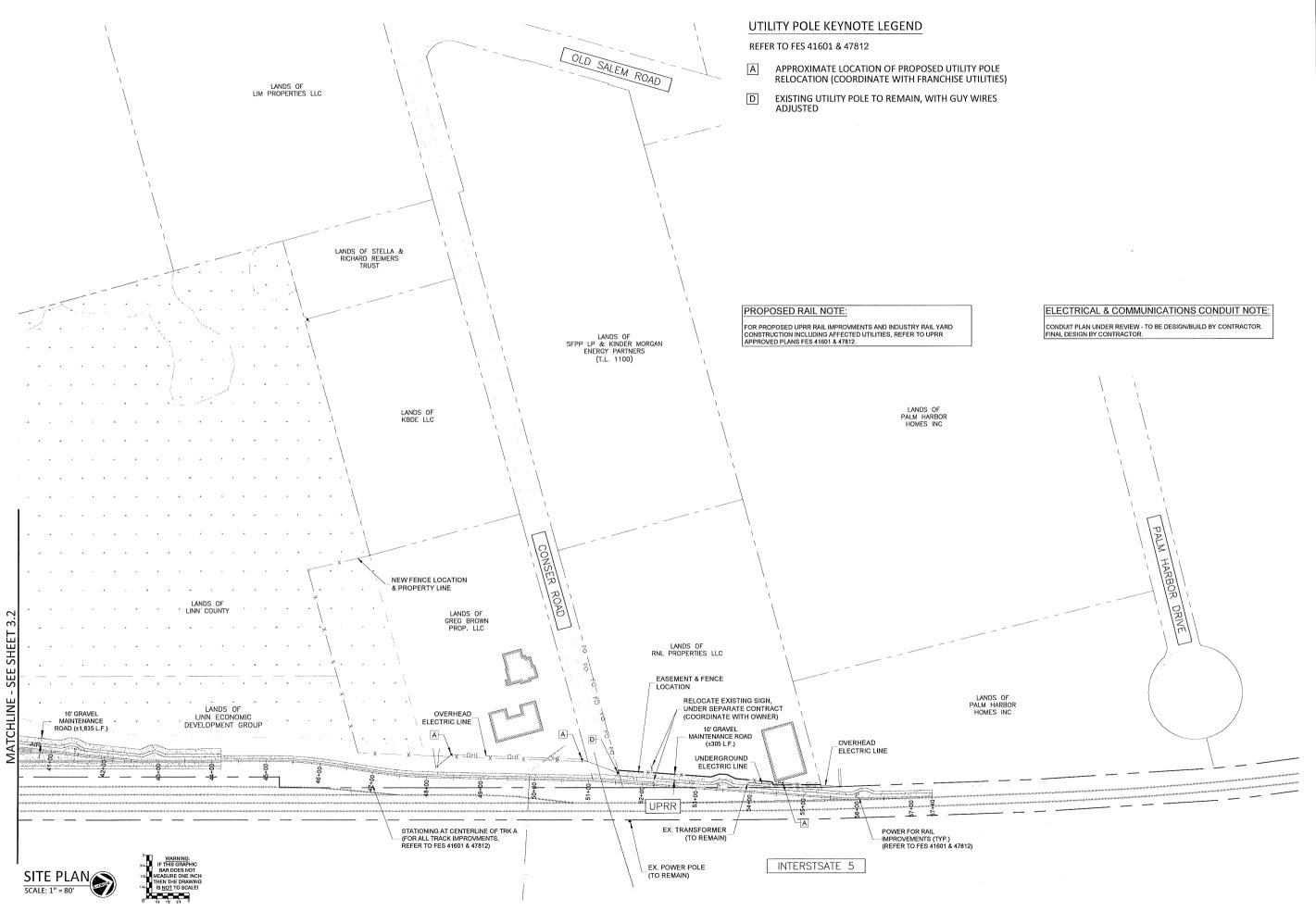












RENEWS 12/31/22

SITE IMPROVMENTS - NORTH
LINN ECONOMIC DEVELOPMENT GROUP
MILLERSBURG, OREGON

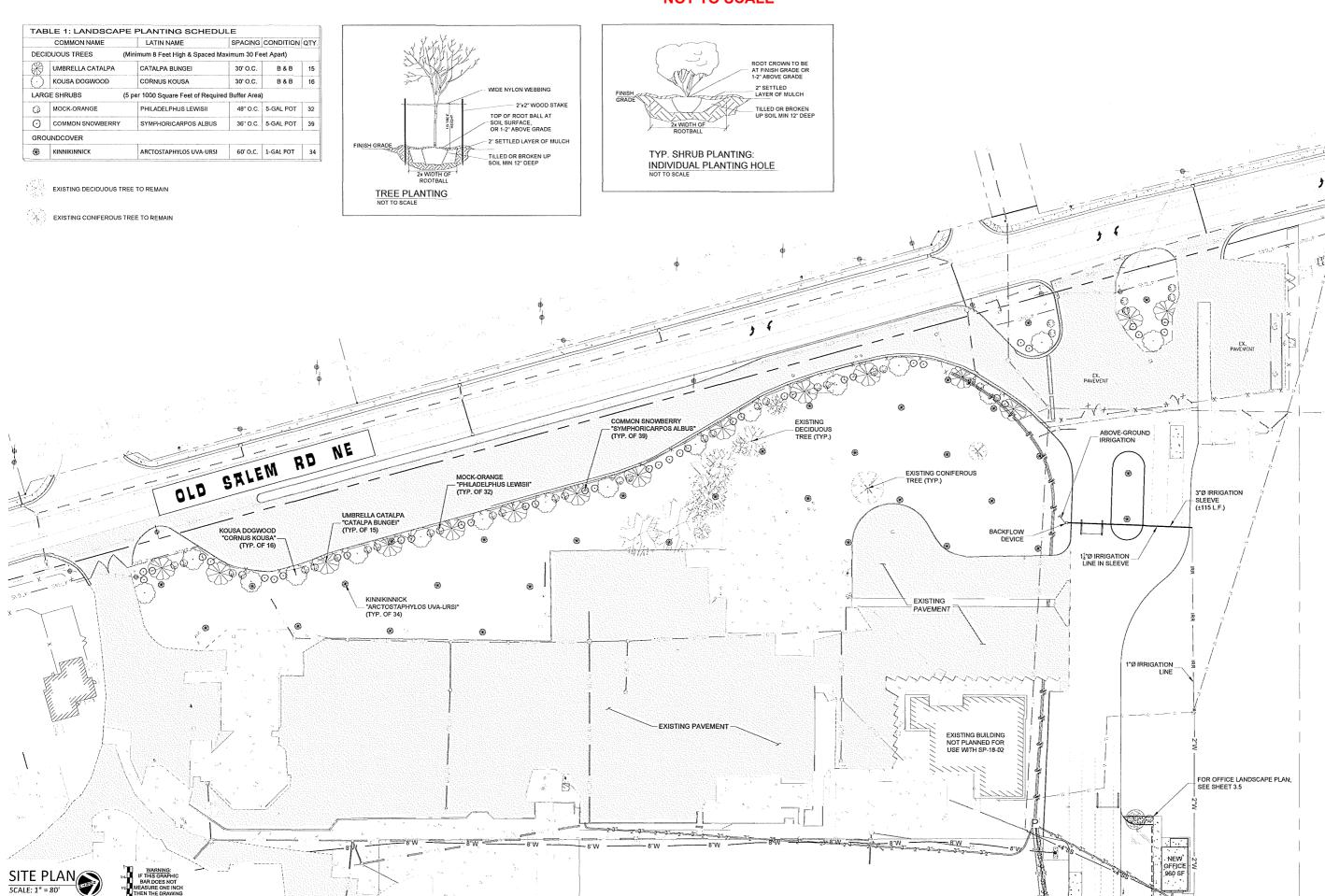
MID-WILLAMETTE VALLEY INTERMODAL CENTER

PLAN REVISIONS No. | DATE | BY AS-BUILT | 03-08-2022 | AKV

R&@ PROJECT NO. LED1901

DATE | 03/11/2021 DESIGNED K.RICCITELLI ENGINEER D. REECE CHECKED | A. CECCHINI SCALE AS INDICATED

SHEET NUMBER

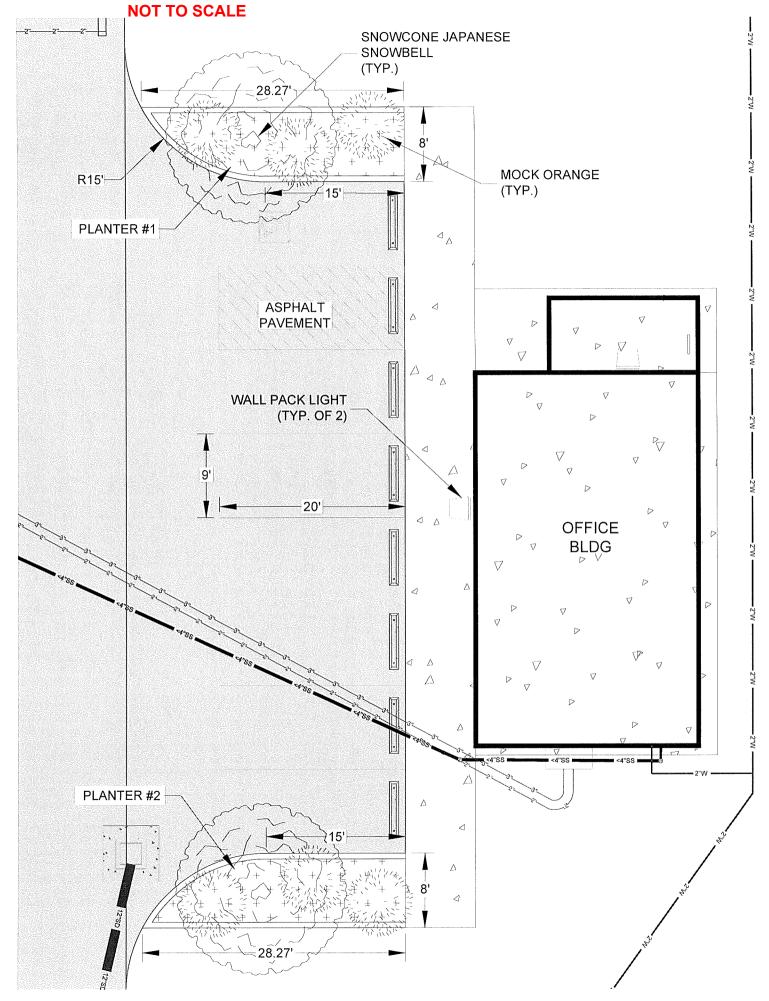


PLANTER #1: LANDSCAPE PLANTING SCHEDULE									
SIZE	SIZE: 161 S.F.								
	COMMON NAME	LATIN NAME	SPACING	CONDITION	QTY				
TREE	TREES (1 Ten-Foot Tall Tree PER 100 Square Feet)								
	SNOWCONE JAPANESE SNOWBELL	STYRAX JAPONICUS 'JFS-D' SNOWCONE	20° O.C.	MEDIUM	1				
SHRU	IBS (2 PER 100	Square Feet)							
(B)	MOCK ORANGE	PHILADELPHUS LEWISII	48" O.C.	5-GAL POT	3				
GROL	GROUNDCOVER								
BARK CHIPS TO COVER REMAINING AREA OF PLANTER									

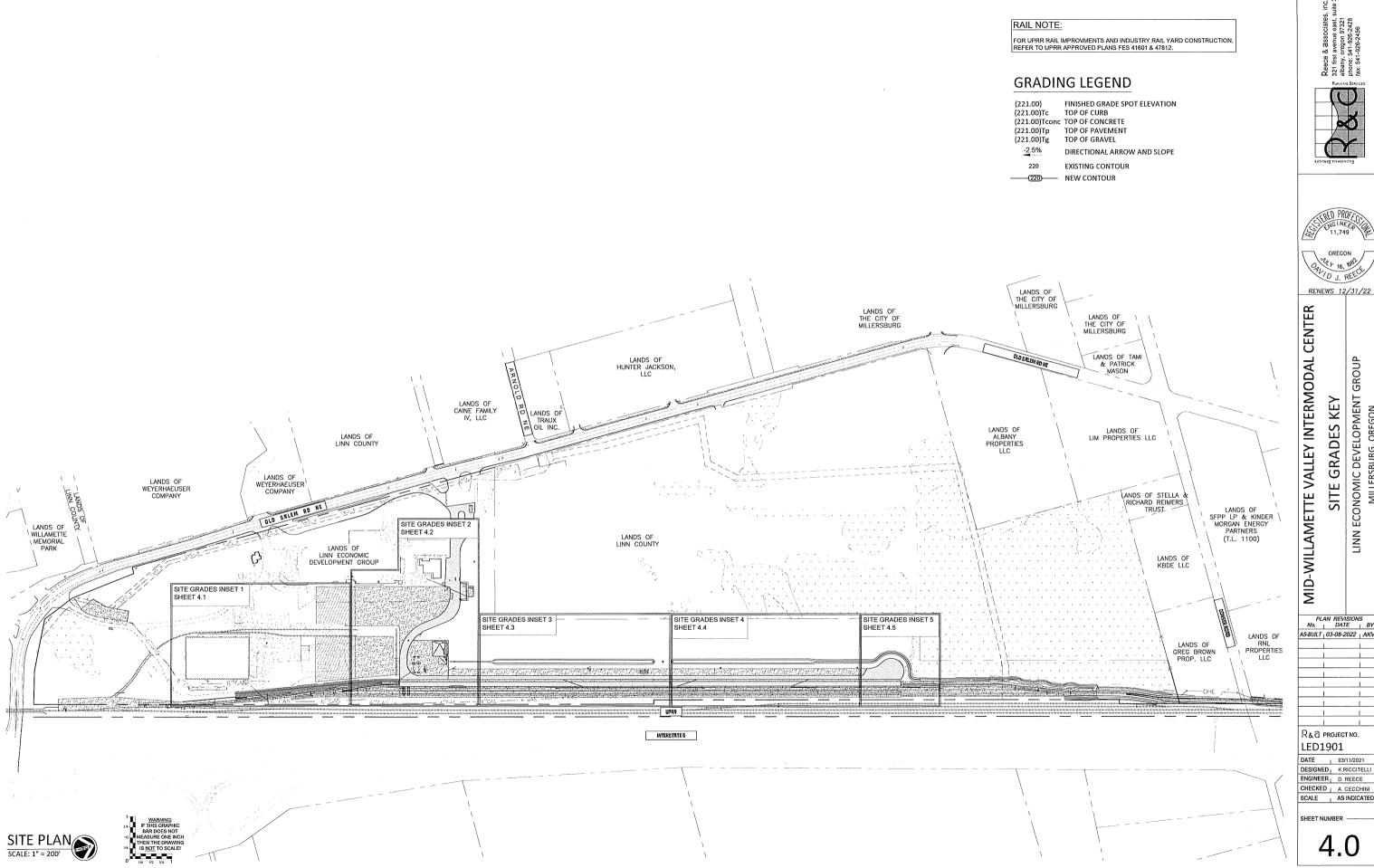
SIZE: 161 S.F.							
COMMON NAME		LATIN NAME	SPACING	CONDITION	QTY		
TREES (1 Ten-Foot Tall Tree PER 100 Square Feet)							
	SNOWCONE JAPANESE SNOWBELL	STYRAX JAPONICUS 'JFS-D' SNOWCONE	20' O.C.	MEDIUM	1		
SHRUBS (2 PER 100		00 Square Feet)					
<b>(3)</b>	MOCK ORANGE	PHILADELPHUS LEWISII	48" O.C.	5-GAL POT	3		
GROUNDCOVER							
	BARK CHIPS TO COVER REMAINING AREA OF PLANTER						







3.5



Punna Services



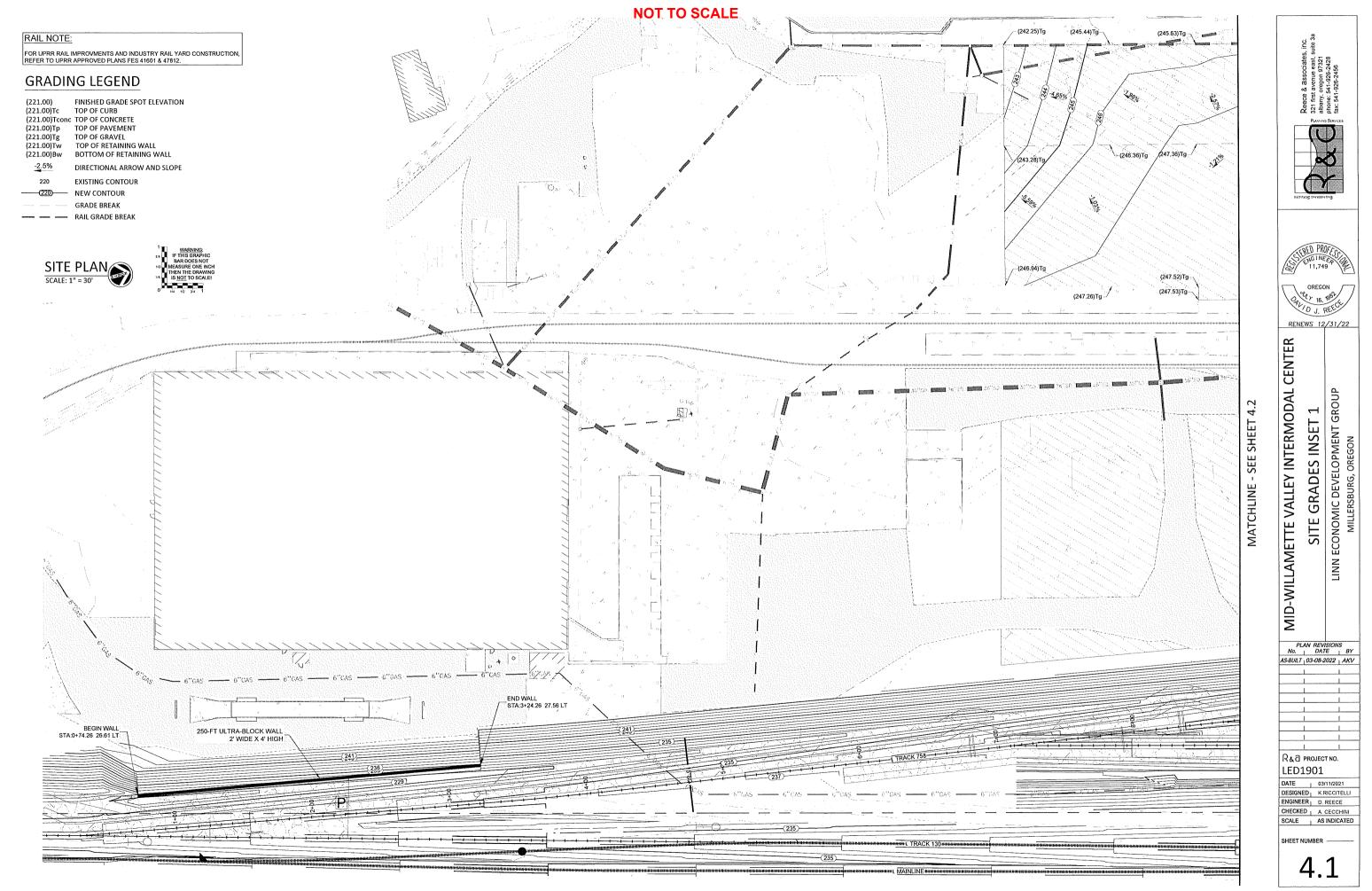
RENEWS 12/31/22

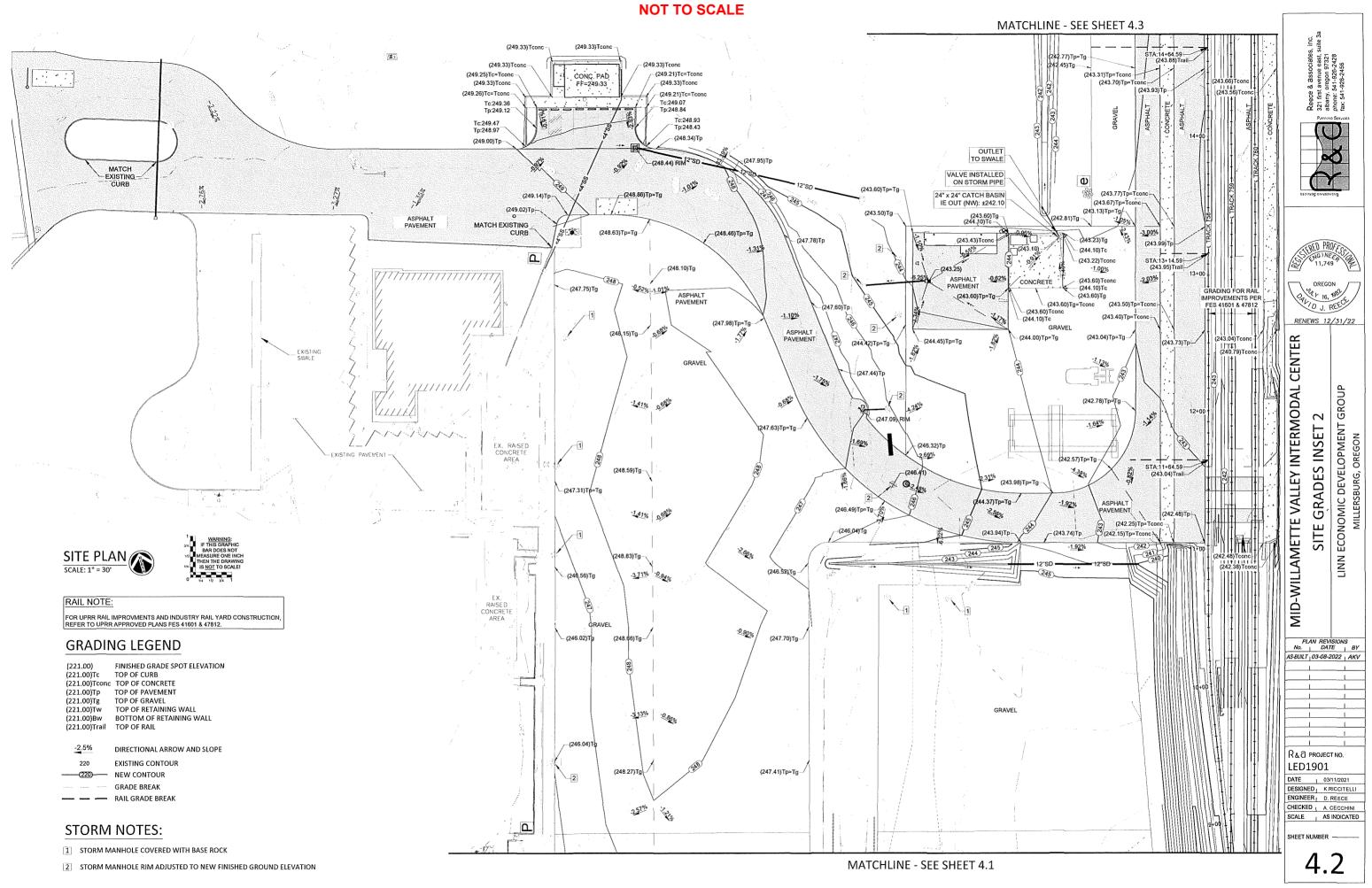
LINN ECONOMIC DEVELOPMENT GROUP MILLERSBURG, OREGON

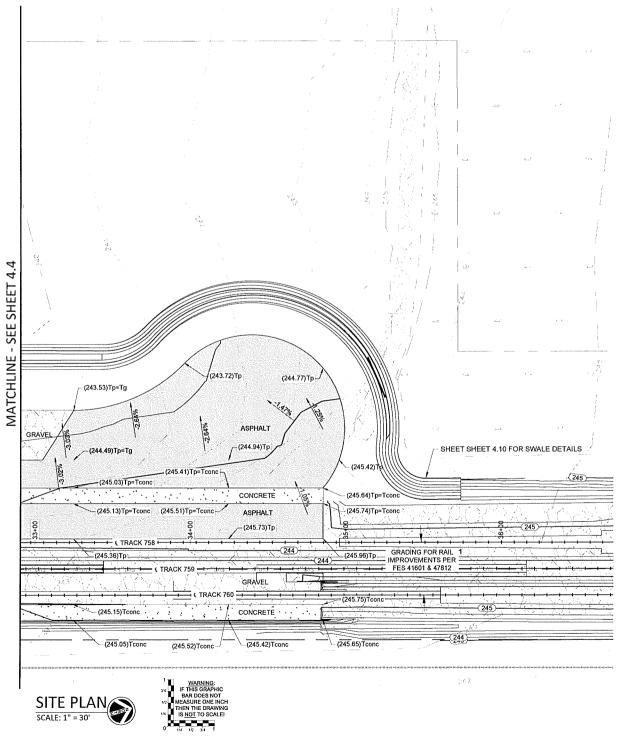
PLAN REVISIONS No. | DATE | BY AS-BUILT | 03-08-2022 | AKV

R&a PROJECT NO. DATE | 03/11/2021

ENGINEER D. REECE CHECKED | A. CECCHINI SCALE AS INDICATED







RAIL NOTE:

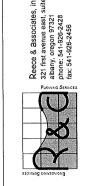
FOR UPRR RAIL IMPROVMENTS AND INDUSTRY RAIL YARD CONSTRUCTION, REFER TO UPRR APPROVED PLANS FES 41601 & 47812.

### **GRADING LEGEND**

(221.00) FINISHED GRADE SPOT ELEVATION
(221.00)Tc TOP OF CURB
(221.00)Tconc TOP OF CONCRETE
(221.00)Tp TOP OF PAVEMENT TOP OF GRAVEL
TOP OF RETAINING WALL
BOTTOM OF RETAINING WALL (221.00)Tg (221.00)Tw (221.00)Bw

-2.5% DIRECTIONAL ARROW AND SLOPE

220 EXISTING CONTOUR GRADE BREAK - RAIL GRADE BREAK







### RENEWS 12/31/22

# 5

## LINN ECONOMIC DEVELOPMENT GROUP MILLERSBURG, OREGON SITE GRADES INSET

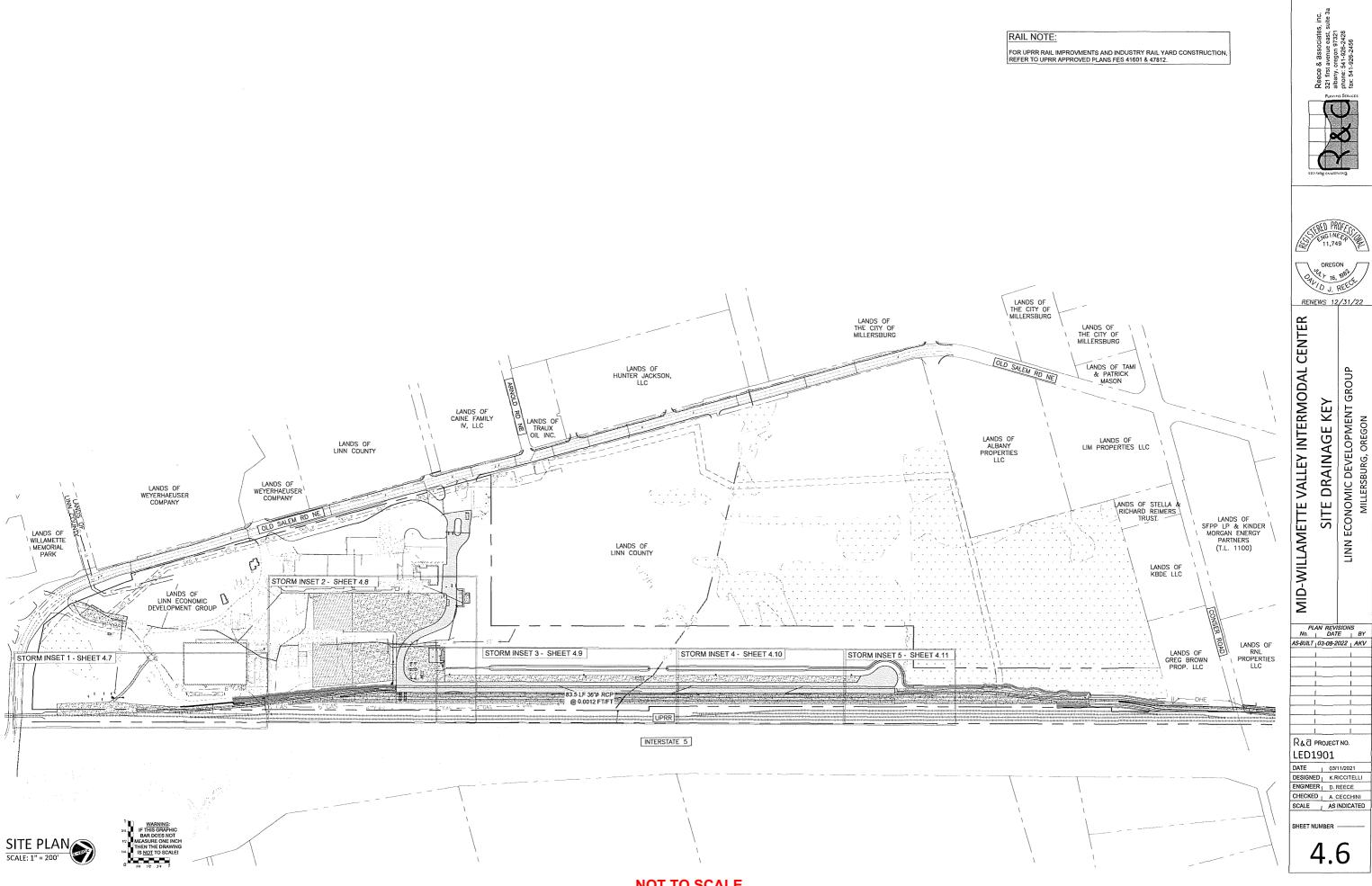
# MID-WILLAMETTE VALLEY INTERMODAL CENTER PLAN REVISIONS No. | DATE | BY AS-BUILT | 03-08-2022 | AKV

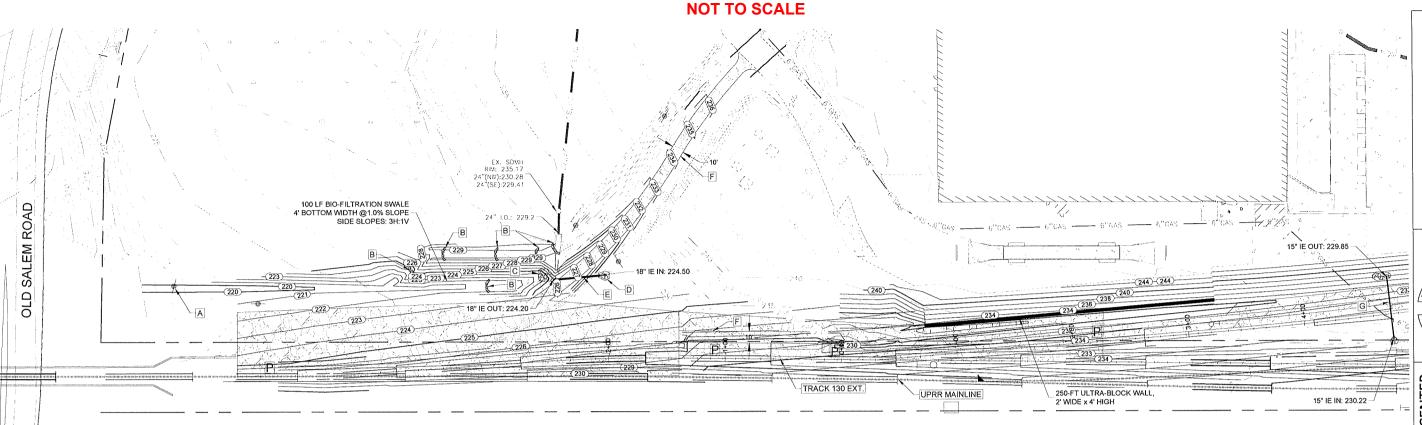
### R&O PROJECT NO.

LED1901 DATE | 03/11/2021 DESIGNED | K.RICCITELLI ENGINEER D. REECE CHECKED | A. CECCHINI

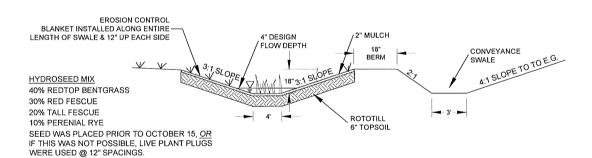
SCALE | AS INDICATED

SHEET NUMBER







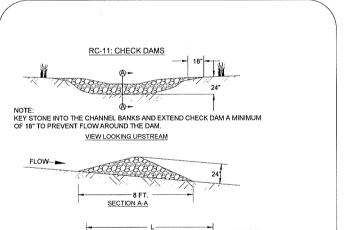


NOTE: GRASSES WERE ESTABLISHED AS SOON AS POSSIBLE AFTER THE COMPLETION OF THE BIOSWALE. THE INITIAL RATE OF APPLICATION WAS 5 POUNDS OF SEED MIX PER 1000 SQUARE FEET OR AS APPROVED BY THE AGENCY. THE SEED MIX IS A LOW MAINTENANCE VARIETY.

**VEGETATED BIO-FILTRATION SWALE** 

### **KEY LEGEND**

- SWALE BOTTOM LOCATION WAS FIELD ADJUSTED TO AVOID UTILITY POLE AS NEEDED
- В ROCK CHECK DAM PER DETAIL RC-11 (THIS SHEET)
- С 5 CY CLASS 50 RIP RAP APRON
- D 2 CY CLASS 50 RIP RAP APRON
- E 18"Ø N12 HDPE CULVERT @ 1.0%
- F 10' GRAVEL SERVICE ROAD PER FES 41601 & 47812
- 15"Ø N12 HDPE CULVERT @ 0.7%



RAIL NOTE:

FOR UPRR RAIL IMPROVMENTS AND INDUSTRY RAIL YARD CONSTRUCTION,

REFER TO UPRR APPROVED PLANS FES 41601 & 47812.

∠POINT 'A' L = THE DISTANCE SUCH THAT POINTS 'A' AND 'B' ARE OF EQUAL ELEVATION. SPACING BETWEEN CHECK DAMS

INSPECTION AND MAINTENANCE:
-INSPECT CHECK DAMS BEFORE, DURING AND AFTER EACH RAINFALL EVENT. REPAIR
DAMAGE AS NEEDED.
- REMOVE SEDIMENT WHEN DEPTH REACHES ONE-THIRD OF THE CHECK DAM HEIGHT.
-REMOVE ACCUMULATED SEDIMENT PRIOR TO PERMANENT SEEDING OR SOIL STABILIZATION.
-REMOVE CHECK DAM AND ACCUMULATED SEDIMENT WHEN CHECK DAMS ARE NO LONGER NEEDED.
-REMOVED SEDIMENT SHALL BE INCORPORATED IN THE PROJECT OR DISPOSED OF PROPERLY.

RENEWS 12/31/22

- STORM INSET LINN ECONOMIC DEVELOPMENT GROUP MILLERSBURG, OREGON

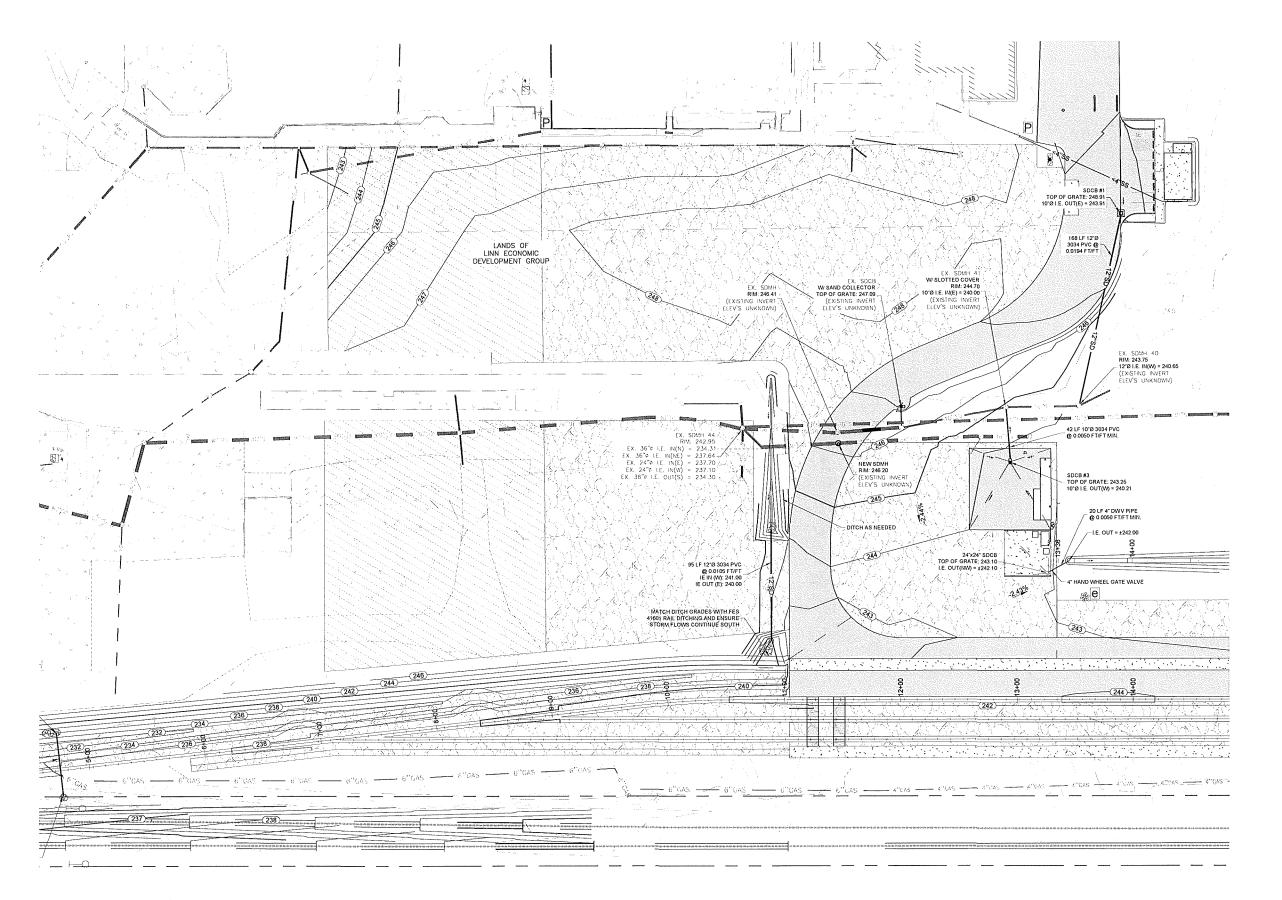
MID-WILLAMETTE VALLEY INTERMODAL CENTER SITE DRAINAGE

PLAN REVISIONS No. | DATE | BY AS-BUILT | 03-08-2022 | AKV

R&@ PROJECT NO. LED1901

DATE | 03/11/2021 DESIGNED | K.RICCITELLI ENGINEER D. REECE CHECKED | A. CECCHINI SCALE AS INDICATED

SHEET NUMBER

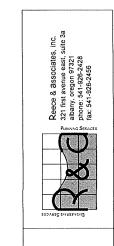






### RAIL NOTE:

FOR UPRR RAIL IMPROVMENTS AND INDUSTRY RAIL YARD CONSTRUCTION REFER TO UPRR APPROVED PLANS FES 41601 & 47812.





OF 16, 1882 RENEWS 12/31/22

MID-WILLAMETTE VALLEY INTERMODAL CENTER

SITE DRAINAGE - STORM INSET LINN ECONOMIC DEVELOPMENT GROUP MILLERSBURG, OREGON

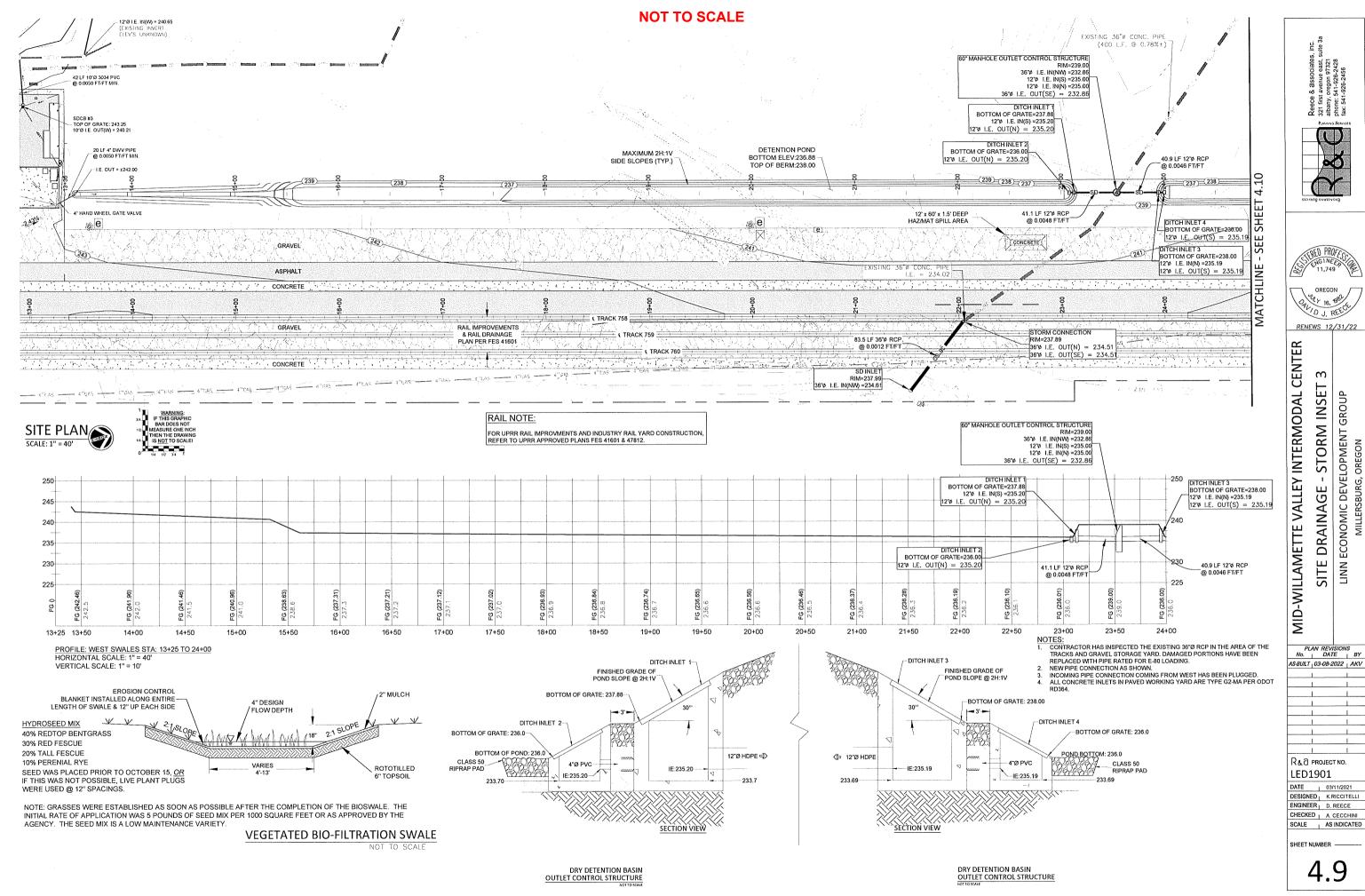
NOT TO SCALE

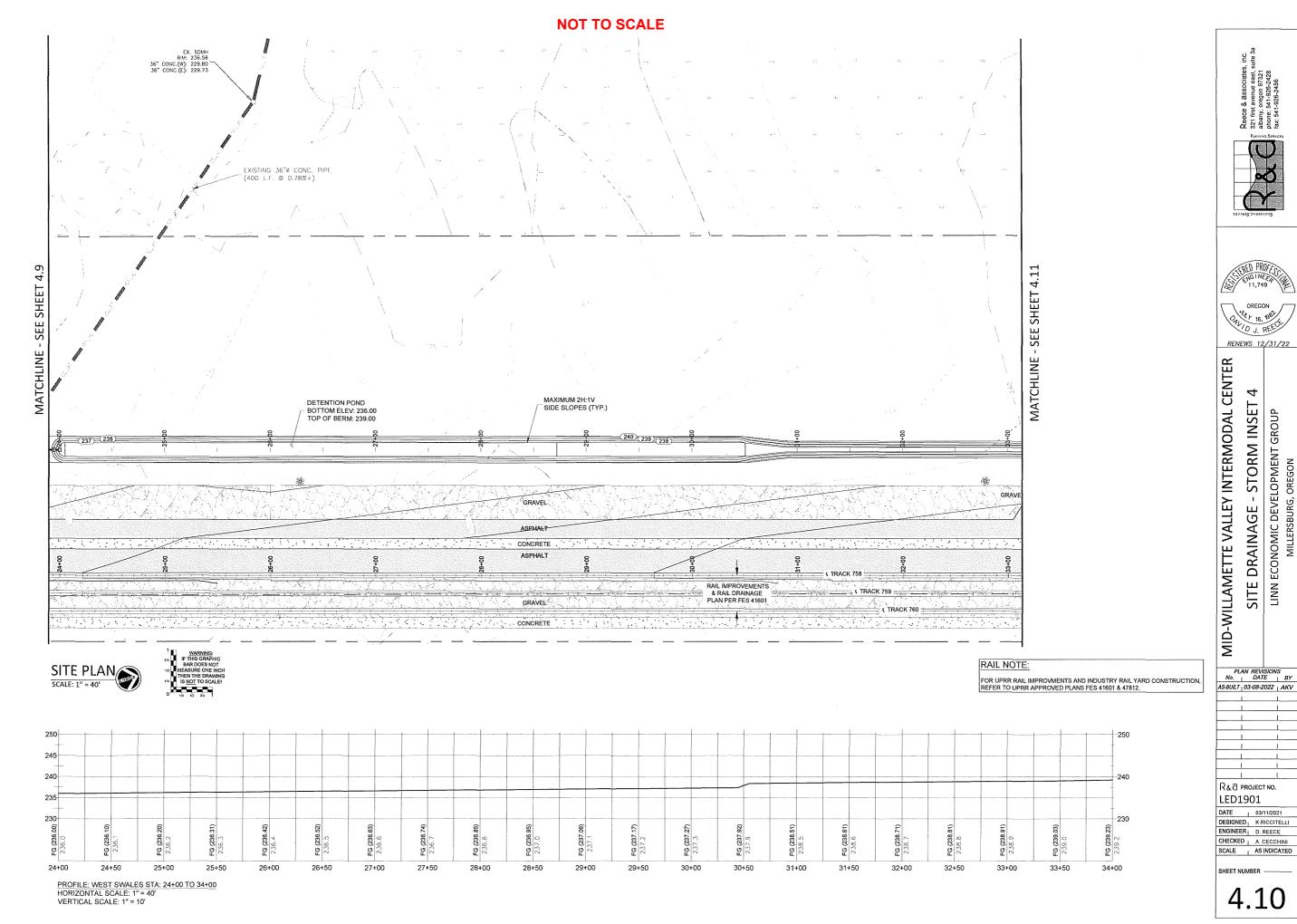
PLAN REVISIONS
No. | DATE | BY
AS-BUILT | 03-08-2022 | AKV

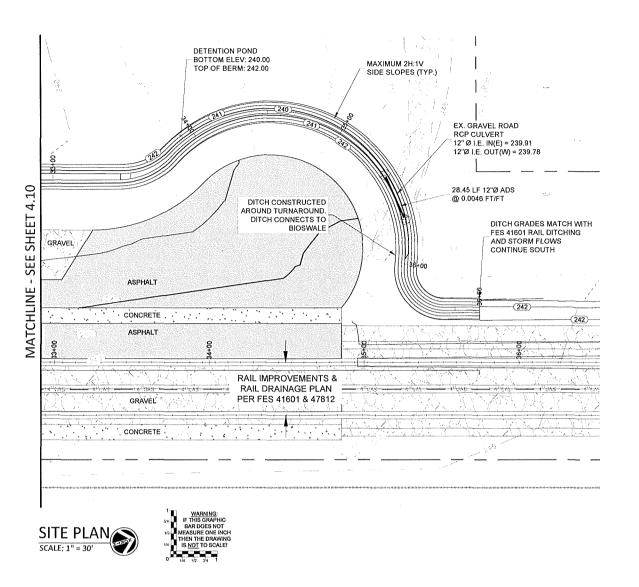
R&@ PROJECT NO. LED1901

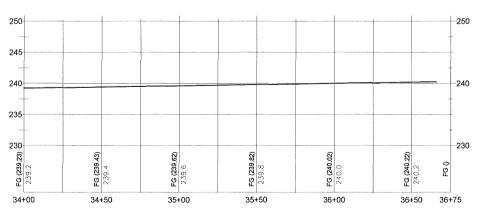
DATE | 03/11/2021 DESIGNED | K.RICCITELLI ENGINEER | D. REECE CHECKED | A. CECCHINI SCALE | AS INDICATED

4.8









PROFILE: WEST SWALES STA: 34+00 TO 36+75 HORIZONTAL SCALE: 1" = 40' VERTICAL SCALE: 1" = 10'

RAIL NOTE:

FOR UPRR RAIL IMPROVMENTS AND INDUSTRY RAIL YARD CONSTRUCTION, REFER TO UPRR APPROVED PLANS FES 41601 & 47812.





LINN ECONOMIC DEVELOPMENT GROUP MILLERSBURG, OREGON

SITE DRAINAGE - STORM INSET 5

MID-WILLAMETTE VALLEY INTERMODAL CENTER

PLAN REVISIONS No. DATE BY					
AS-BUILT   03-	08-2022 AKV				
i	1				
i	1				
i	i				
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ı	I				
1					
I	I				
1	I				
R&@ PROJECT NO.					
LED1901					
DATE 1	03/11/2021				
DESIGNED	K.RICCITELLI				
ENGINEER;	D. REECE				
CHECKED	A. CECCHINI				

SHEET NUMBER

SCALE AS INDICATED

RAIL NOTE:

FOR UPRR RAIL IMPROVMENTS AND INDUSTRY RAIL YARD CONSTRUCTION, REFER TO UPRR APPROVED PLANS FES 41601 & 47812.





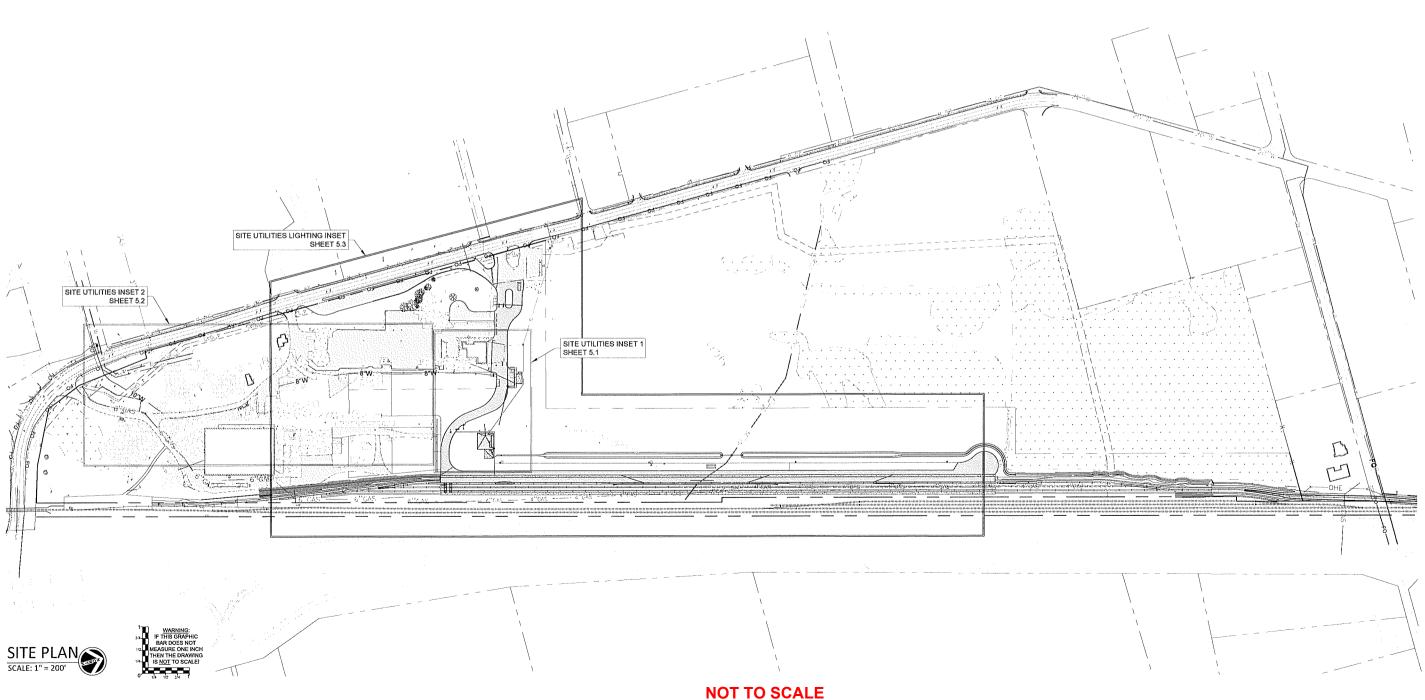
# RENEWS 12/31/22 MID-WILLAMETTE VALLEY INTERMODAL CENTER

SITE UTILITIES KEY
LINN ECONOMIC DEVELOPMENT GROUP
MILLERSBURG, OREGON

PLAN REVISIONS
No. | DATE | BY
AS-BUILT | 03-08-2022 | AKV

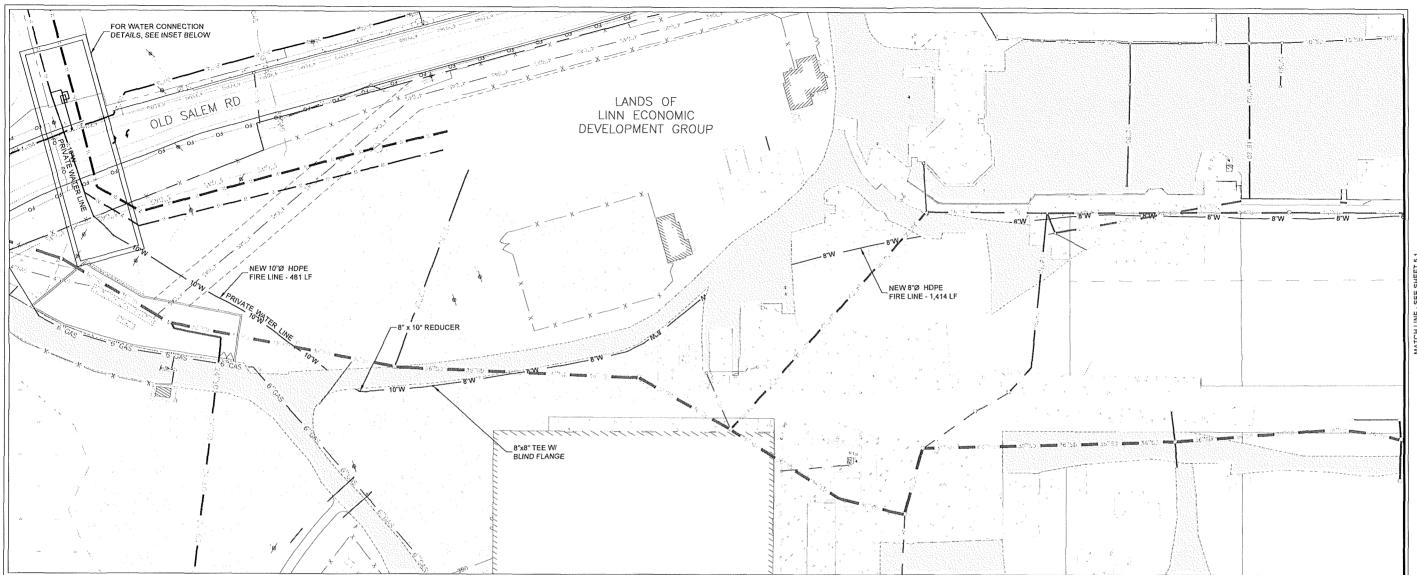
R&@ PROJECT NO. LED1901

DATE | 03/11/2021
DESIGNED | K.RICCITELLI
ENGINEER | D. REECE
CHECKED | A. CECCHINI
SCALE | AS INDICATED

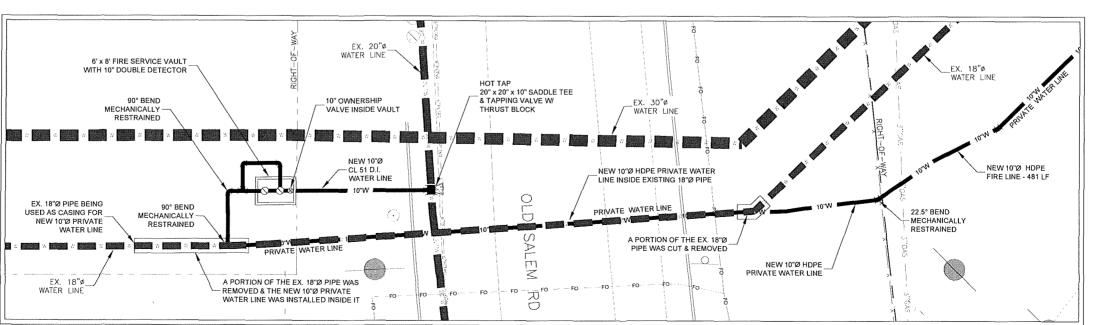


**NOT TO SCALE** 2"Ø PVC TEE & - 2"Ø WATER VALVE (S) DEX. 35 D PYC MATER LINE TRAFFIC RATED BROOKS 66 MECHANICALLY RESTRAINED METER BOX HOUSING NEW TEE & VALVE Reece & associates, 321 first avenue east, si albany, oregon 97321 phone: 541-926-2428 fax: 541-926-2456 166 LF 2"Ø SCH 40 PVC 10 LF 2"Ø SCH 40 PVC OR POLYETHYLENE WATER SERVICE OR POLYETHYLENE WATER SERVICE 4" SSCO #2 & 90° BEND WATER VALVE (E)
MECHANICALLY
RESTRAINED 2"Ø 90° PVC BEND MECHANICALLY RESTRAINED 22 LF 4"Ø 3034 SDR 35 PVC SANITARY SEWER SERVICE 4" SSCO #1 & 22.5° BEND 260 LF 2"Ø SCH 40 PVC OR CATCH BASIN W/ FLOGARD® FILTER INSERT SDCB#1-POLYETHYLENE FIRE LINE 135 LF 4"Ø 3034 SDR 35 PVC SANITARY SEWER SERVICE EX "2½"Ø PVC WATER LINE " 8"x12" REDUCER EX SDMH 40 Φ OREGON D. 16, 882 4" DWV PVC PIPE YARD HYDRANT ASSEMBLY WITH FROST PROTECTION RENEWS 12/31/22 4" HAND WHEEL GATE VALVE CENTER FIRE HYDRANT ASSEMBLY - & BOLLARDS PER ODOT RD254 & RD255 \_ 24"x24" CATCH BASIN EX. 8" SANITARY SEWER LINE Ω\_ MID-WILLAMETTE VALLEY INTERMODAL 6"Ø SCH 40 PVC FIRE LINE - 4 LF EX SDMH 41-- INSET REDUCER COLLECTOR EX. 5SMH RIM: 248.66 SITE UTILITIES REDUCER IRRIGATION BOX EX SDMH 13 MANHOLE RIM ADJUSTED AS REQUIRED CRUSHED PIPE SAND COLLECTOR -REPLACED NEW 8"Ø HDPE PLAN REVISIONS No. | DATE | BY FIRE LINE - 1,385 LF AS-BUILT | 03-08-2022 | AKV - NEW MANHOLE R&@ PROJECT NO. MANHOLE RIM ADJUSTED AS — REQUIRED LED1901 DATE 03/11/2021 DESIGNED K.RICCITELLI ENGINEER D. REECE CHECKED A. CECCHINI SCALE AS INDICATED INSET 1 SCALE: 1" = 20' SHEET NUMBER MATCH LINE - SEE SHEET 5.2

LINN ECONOMIC DEVELOPMENT GROUP MILLERSBURG, OREGON







RENEWS 12/31/22

CENTER

MID-WILLAMETTE VALLEY INTERMODAL SITE UTILITIES - INSET 2

> PLAN REVISIONS No. DATE BY

AS-BUILT | 03-08-2022 | AKV

R&d PROJECT NO. LED1901

DATE | 03/11/2021

DESIGNED | K.RICCITELLI

ENGINEER D. REECE

CHECKED | A. CECCHINI

SCALE AS INDICATED

5.2

LINN ECONOMIC DEVELOPMENT GROUP MILLERSBURG, OREGON

