

**Inola Industrial Rail Facility  
Addendum No. 4  
October 11, 2022**

1. Was a clear decision made regarding Buy America compliance? **Refer to the General Documents Item 9 for Buy America Requirements. Tulsa Ports has received no guidance on how the waiver should be applied or interpreted.**
2. Drawing Sheet 41 of 66 indicates sections of CMP pipe to be removed. A selection of 8, 7 & 4 Feet. Please clarify under what pay item this work is paid. **Shall be incidental to CMP Extension bid items.**
3. What Turnouts are to be fully welded? **Turnouts on UPRR Main Line shall be welded.**
4. Are all welds or a percentage to be tested? **All welds shall be tested.**
5. Is verse testing a requirement? **No, verse testing is not required.**
6. Are "Buffer Panels" meant to have the transition rails, or are they added to the panel? **Transition rails shall be separate from the buffer panel.**
7. Notes state " All turnouts shall be UP spec'd." Is this UP Industrial Specs or UP Common Standard? **Turnouts on UP Main Line shall be Common standard. All other turnouts may be heavy industrial.**
8. At what locations will the walkway ballast line item # 41 be installed? **Refer to UPRR Standard Drawing 0008A.**
9. Who will supply the power switch stands for the turnouts and derails? **Contractor to supply.**
10. Who will pay for Flagging Cost? **Contractor shall pay for flagging cost. Flagging bid item added to bid form on separate attachment.**
11. Who will pay for the Right of entry? **Contractor shall pay for Right of Entry.**
12. Can we bid this project as a sub-contractor? **All subcontractors must be teamed with a general contractor.**
13. At what location will the existing track be stockpiled? **Refer to Addendum 2.**
14. How much main line ballast will be required for the Turnouts, de-rails, transition panels, track 412? **A minimum of 8" ballast is required under wood ties and shall be incidental to track construction.**
15. What is ISHH rail? **All rail shall be new head hardened rail. No rail relay.**
16. Is HH rail required in the curves of the wye tracks? **Yes**
17. What is the length required for the Insulated Joint Rail Plugs? **20' or 26'-6" plugs to be used in tangent track. Refer to UPRR standard drawings.**
18. What is the tie spacing on the wye tracks? **Tie spacing shall be a minimum of 21.25'.**
19. How much ballast will be required under the ties on track 111? **A minimum of 8" ballast is required under wood ties and shall be incidental to track construction.**
20. Is Item # 43 asking us to dispose of all old track materials (Track 111) or just stockpile it? Item 48 on sheet 4 indicates dispose of all materials. **All rail shall be stockpiled. Ties shall be properly disposed of by selected contractor.**
21. Who will supply the barricades for closing the roads? **Contractor to supply barricades and shall be incidental to bid items.**
22. Paving and striping? **Refer to separate attachment for limits of 2" mill and asphaltic surface course. Refer to measurement and payment for Traffic Control and Striping bid item.**
23. Is there a drawing showing the location of Bridge # 1? **Refer Key Plan for location of Bridge 1. Located east of S 4210 Road.**
24. The plans and specs call for "Premium Fasteners" for the buffer panels but they are not defined. Are these pandrol plates with E-clips or equivalent? **Yes.**
25. How much main line ballast be required for the # 15 mainline Turnouts, ML de-rails, transition panels, track item 13? **A minimum of 8" ballast is required under wood ties and shall be incidental to track construction.**

26. Will new track 111 need new sub-ballast to be installed? Or will it get built on existing sub-grade from existing track? **Refer to measurement and payment items located in the bid documents. A bid item for 3" subballast has been provided.**
27. Can #9 turnouts and the # 11 turnout be Heavy Industrial? **No. 9 turnout and No. 11 turnout can be heavy industrial.**
28. On Track A and Track 111 from Station 3+86 to 13+43 what is the Tie spacing? **Tie spacing shall be a minimum of 21.25"**

## BID ITEMS

Pay Item No.	Description	Units	Engineer's Estimated Quantity	Contractor's Quantity Discrepancies	Unit Price	Amount
<b>GRADING AND MISCELLANEOUS</b>						
1.)	Mobilization	LS	1			
2.)	Clearing and Grubbing	AC	13.6			
3.)	Remove Wire Fence	LF	1,853			
4.)	Silt Fencing	LF	5,500			
5.)	Rock Ditch Check	EA	14			
6.)	Erosion Control Management and Maintenance	LS	1			
7.)	Embankment (Unadjusted Shrink/Swell)	CY	39,384			
8.)	Excavation (Unadjusted Shrink/Swell)	CY	42,947			
9.)	Topsoil Placement (6" Thick)	CY	4,840			
10.)	Over-excavation	CY	1,000			
11.)	Embankment for Over-Excavation	CY	1,000			
12.)	12" Subballast	CY	13,480			
13.)	3" Subballast (For Track 111)	CY	3,100			
14.)	Rip Rap	TN	239			
15.)	Seeding	AC	6			
16.)	Barbed Wire Fence	LF	1,280			
17.)	Traffic Control and Striping	EA	3			
18.)	30" CMP	LF	0			
19.)	48" CMP	LF	280			
20.)	Track Earthen Bumper	EA	1			
21.)	2" Mill and Asphaltic Surface Course	SY	2,246			
22.)	Excavation East of UPRR Main Line (Signal Pads)	CY	300			
23.)	Embankment East of UPRR Main Line (Signal Pads)	CY	60			
24.)	Subballast East of UPRR Main Line (Signal Pads)	CY	120			
25.)	Riprap East of UPRR Main Line (Signal Pads)	TN	110			
26.)	Flagging	DAYS	60			
27.)	Active Warning Devices (Signals, Gates, Bungalow, conduit and cable)	EA	3			
28.)	Bridge 1 Footwalk/Handrail & Tie Replacement	LS	1			
29.)	Bridge 2 Footwalk/Handrail & Tie Replacement	LS	1			
<b>TRACKWORK</b>						
30.)	Mobilization	LS	1			
31.)	Construct 115# CWR Track - Includes Insulated Joints	TF	2,318			
32.)	Construct 115# Jointed Track (Tracks C, D, F) Includes Insulated Joints	TF	9,003			
33.)	Install #9 Hand Throw Turnout	EA	5			
34.)	Install #11 DTMF Turnout	EA	1			
35.)	Supply and Assemble #15 Turnout	EA	2			
36.)	Supply and Assemble Power Derail	EA	2			
37.)	Remove Track (Existing Track 111)	TF	15,545			
38.)	Construct 115# Jointed Track (Existing Track 111) Includes Insulated Joints	TF	13,975			
39.)	Supply 136# CWR Track	TF	412			

40.) Supply and Assemble 40' Buffer Track Panel (8'-6" Ties)	TF	80	_____	_____	_____
41.) Supply and Assemble 40' Buffer Track Panel (10' Ties)	TF	80	_____	_____	_____
42.) Transition Rails	SET	7	_____	_____	_____
43.) Remove Turnout	EA	1	_____	_____	_____
44.) Remove Crossing Panels	TF	100	_____	_____	_____
45.) Install Concrete Crossing Panels on 10' Ties	TF	100	_____	_____	_____
46.) Walkway Ballast	CY	800	_____	_____	_____
47.) Dispose Ties	LS	1	_____	_____	_____
48.) Stockpile Removed Rail and OTM	LS	1	_____	_____	_____
49.) Stockpile and Reuse Removed Ballast for Access Road Material	LS	1	_____	_____	_____
50.) Flagging	DAYS	45	_____	_____	_____

ELECTRICAL

50.) Meter and Disconnect Switch on Pedestal/Rack	EA	1	_____	_____	_____
51.) Pole, Wood	EA	1	_____	_____	_____
52.) Transformer Pad	EA	1	_____	_____	_____
53.) Fused Disconnect, 250A Rated, 225A Fuse, 2P	EA	2	_____	_____	_____
54.) Signal Hut, 200A, 120/240V Service	EA	2	_____	_____	_____
55.) 2" Rigid Galv Steel Conduit (trench and backfill)	LF	40	_____	_____	_____
56.) 3 x 4" PVC Sch 80 Conduit (ductbank)	LF	3,152	_____	_____	_____
57.) 500KCMIL Copper XHHW-2	LF	10,116	_____	_____	_____
58.) 350KCMIL Copper XHHW-2	LF	8,790	_____	_____	_____
59.) #4/0 AWG Copper XHHW-2	LF	120	_____	_____	_____
60.) #1/0 AWG Copper Ground	LF	3,372	_____	_____	_____
61.) #2 AWG Copper Ground	LF	2,970	_____	_____	_____
62.) Precast Power Hand Hole, 24"x36"x36", Traffic Rated HS-20 with Open Bottom	EA	7	_____	_____	_____
63.) Equipment Rack H-Frame	EA	1	_____	_____	_____
64.) Equipment Grounding	LS	1	_____	_____	_____

**TOTAL BASE BID** \$ \_\_\_\_\_

**PERFORMANCE & PAYMENT BOND** \$ \_\_\_\_\_

**TOTAL BASE BID + BOND** \$ \_\_\_\_\_

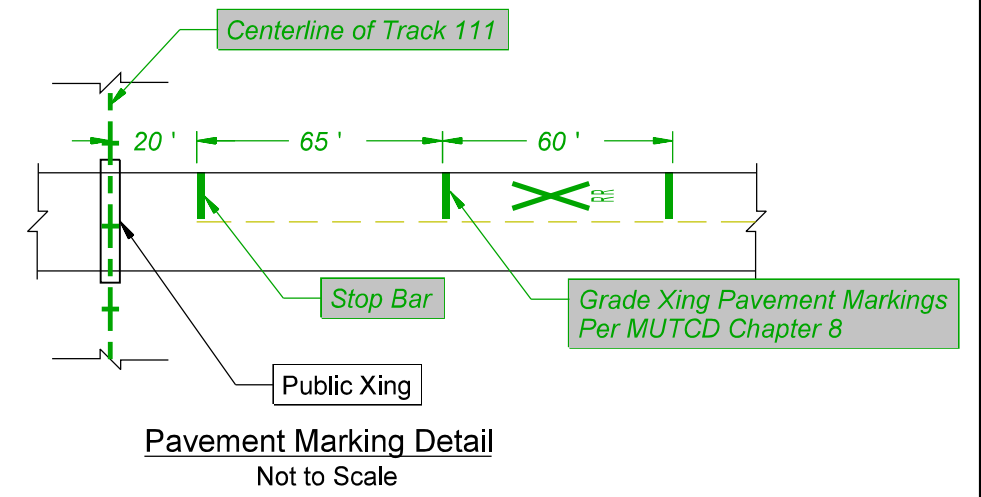
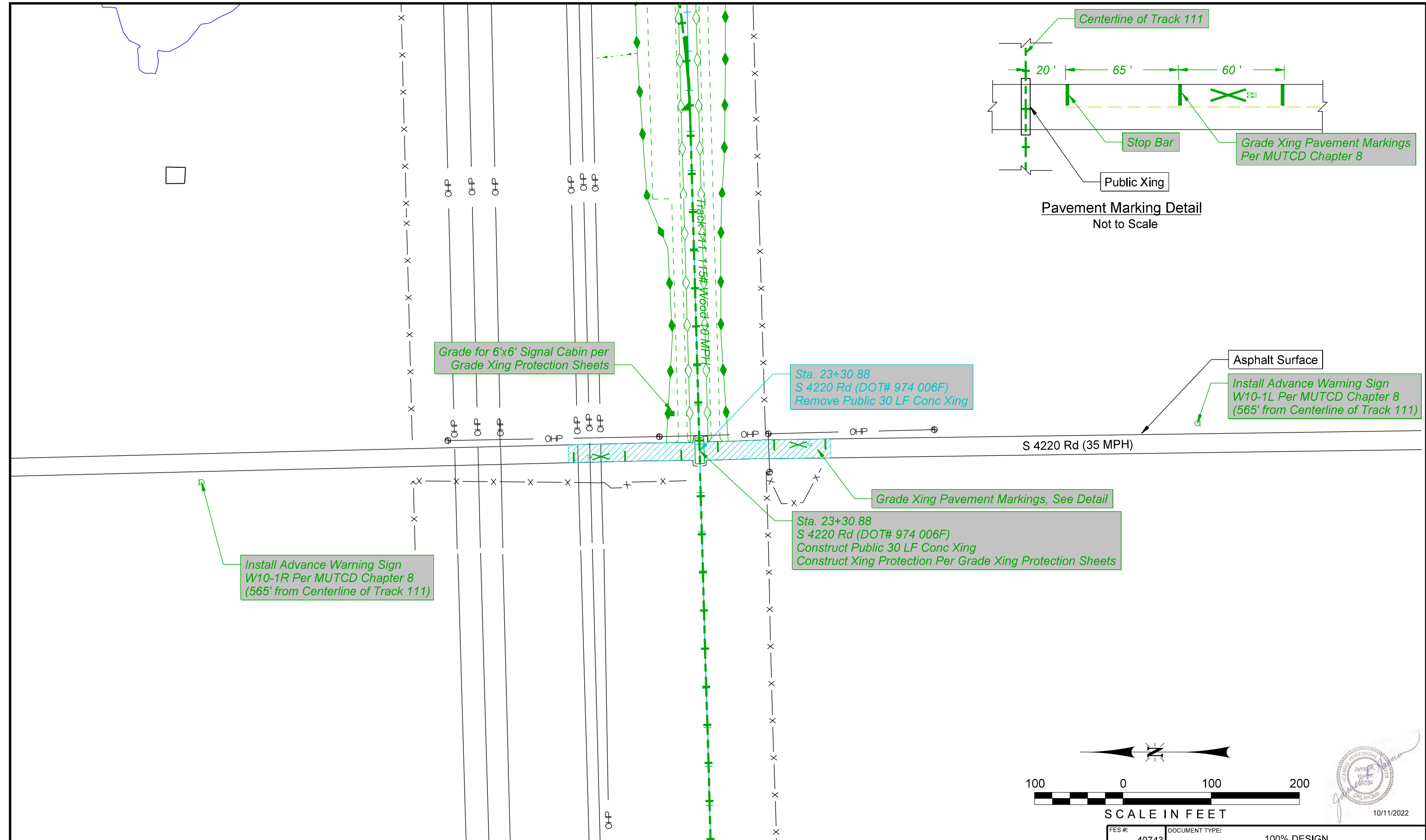
ALTERNATE BID ITEMS

65.) Construct 115# CWR Track (Tracks C, D, F, 111)	TF	22,978	_____	_____	_____
66.) Construct 136# CWR Track (All Tracks)	TF	25,296	_____	_____	_____
67.) Dual-Treated Ties (Creosote and Borate) (Additional Unit Cost/TF Compared to Base Creosote Treatment Only)	TF	25,296	_____	_____	_____

Additional Information and Schedule Required with Submittal

1.) Force Account Work	Labor Markup	_____	Percent
	Materials Markup	_____	Percent
	Equipment Markup	_____	Percent

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 10/11/2022



Asphalt Surface  
 Install Advance Warning Sign W10-1L Per MUTCD Chapter 8 (565' from Centerline of Track 111)

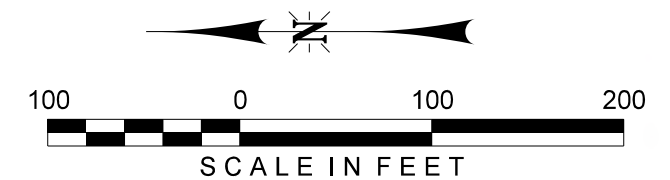
Install Advance Warning Sign W10-1R Per MUTCD Chapter 8 (565' from Centerline of Track 111)

Sta. 23+30.88  
 S 4220 Rd (DOT# 974 006F)  
 Remove Public 30 LF Conc Xing

Sta. 23+30.88  
 S 4220 Rd (DOT# 974 006F)  
 Construct Public 30 LF Conc Xing  
 Construct Xing Protection Per Grade Xing Protection Sheets

Grade Xing Pavement Markings, See Detail

S 4220 Rd (35 MPH)



Professional Engineer  
 James R. [Signature]  
 10/11/2022

REV. #	BY	DATE	DESCRIPTION

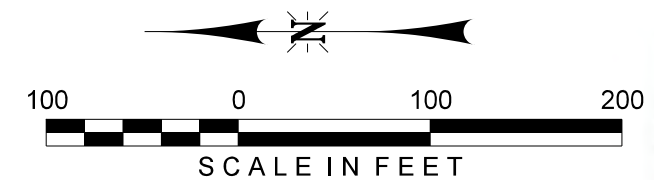
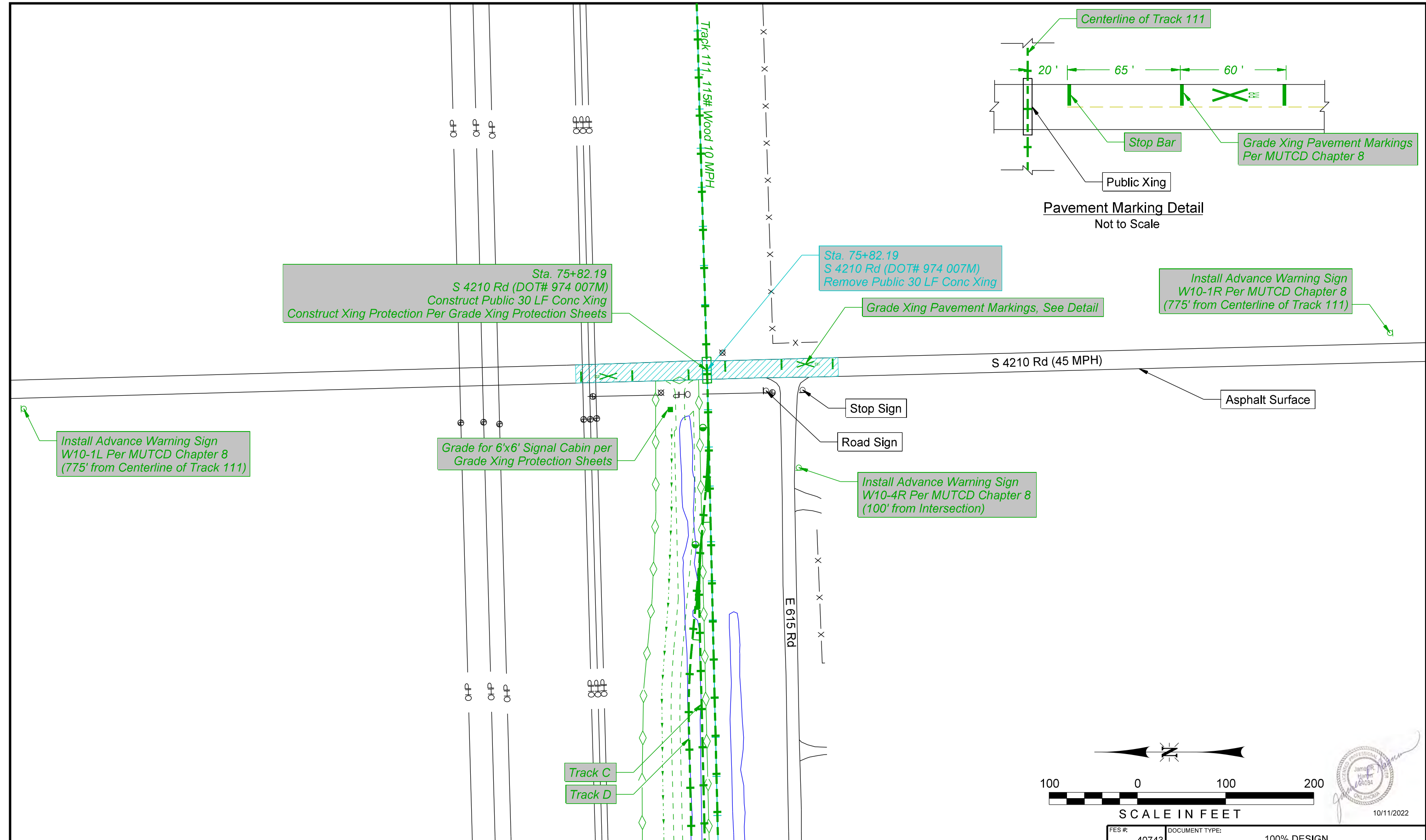
	Ex. UPRR Track		Shift Ind. Track		Hand Throw Turnout
	Prop. UPRR Track		Future Ind. Track		Power Turnout
	Remove UPRR Track		Prop. Leased Ind. Trk		Power Derail
	Shift UPRR Track		Ex. Leased Ind. Trk		Hand Throw Derail
	Ex. Ind. Track		No RR Operations		Point of Curve
	Prop. Ind. Track		Right of Way		Bridge
	Remove Ind. Track		Acquire Property		Signal

**TranSystems**  
 2400 PERSHING ROAD  
 SUITE 400  
 KANSAS CITY, MISSOURI 64108  
 PHONE: 816-329-8600  
 WWW.TRANSYSTEMS.COM



FES #: 40743	DOCUMENT TYPE: 100% DESIGN
DRAWN BY: TAR	<b>UNION PACIFIC RAILROAD</b> For Use and Agreement City of Tulsa - Rogers County Port Authority
CHECKED BY: JLS	
DATE: 10/11/2022	LOCATION & DESCRIPTION: Black Fox, Ok - Wagoner Sub MP 594.76 to MP 595.18 Trackage to Serve: Tulsa Ports
SHEET NUMBER: 29 of 66	SHEET TITLE: S 4220 ROAD PLAN

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 Def: public



Professional Engineer Seal  
 James R. [Signature]  
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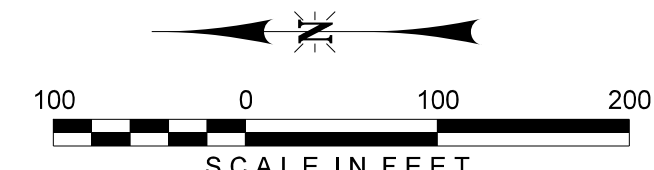
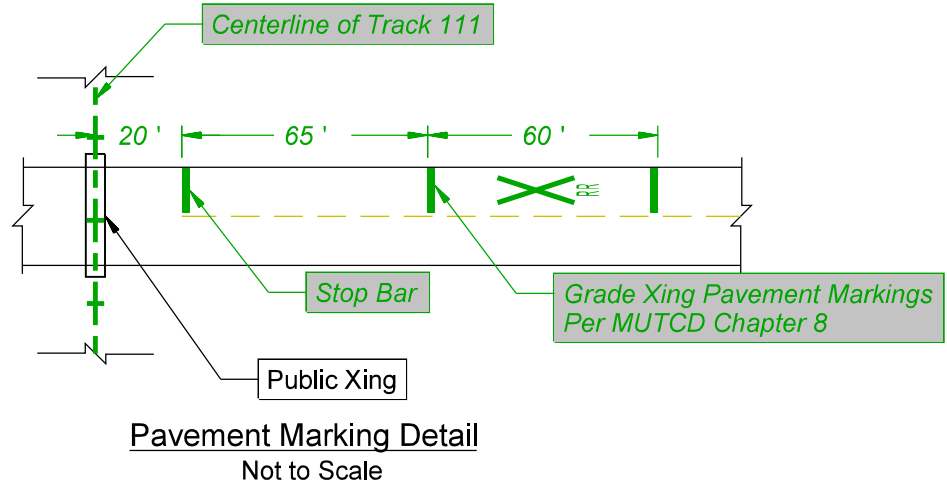
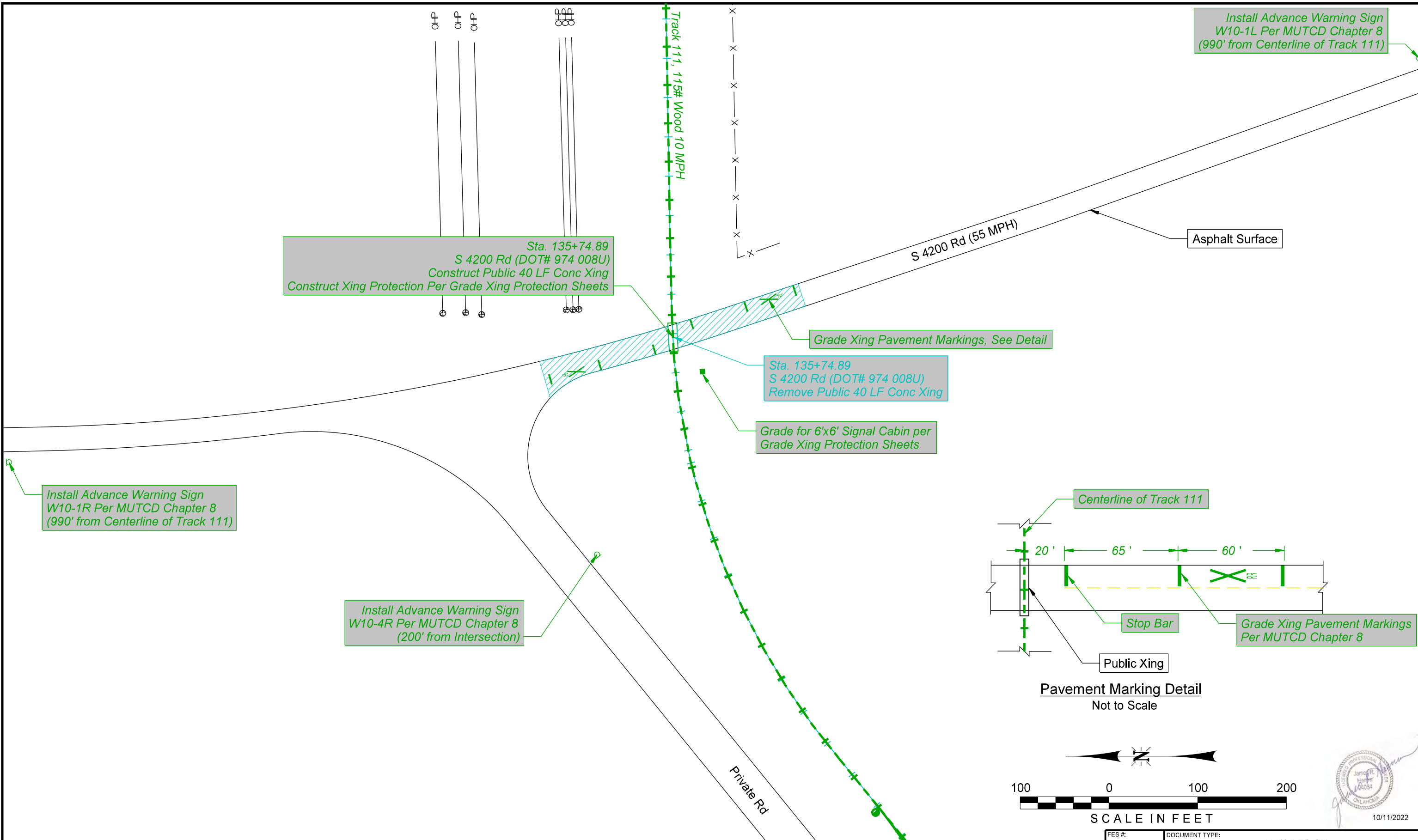
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	Shift UPRR Track		Ex. Leased Ind. Trk		Hand Throw Derail
	Ex. Ind. Track		No RR Operations		Point of Curve
	Prop. Ind. Track		Right of Way		Bridge
	Remove Ind. Track		Acquire Property		Signal

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SHEET NUMBER: 30 of 66	SHEET TITLE: S 4210 ROAD PLAN

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 10/11/2022



Professional Engineer Seal for James R. [Signature]  
 10/11/2022

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SHEET NUMBER: 31 of 66	SHEET TITLE: S 4200 ROAD PLAN