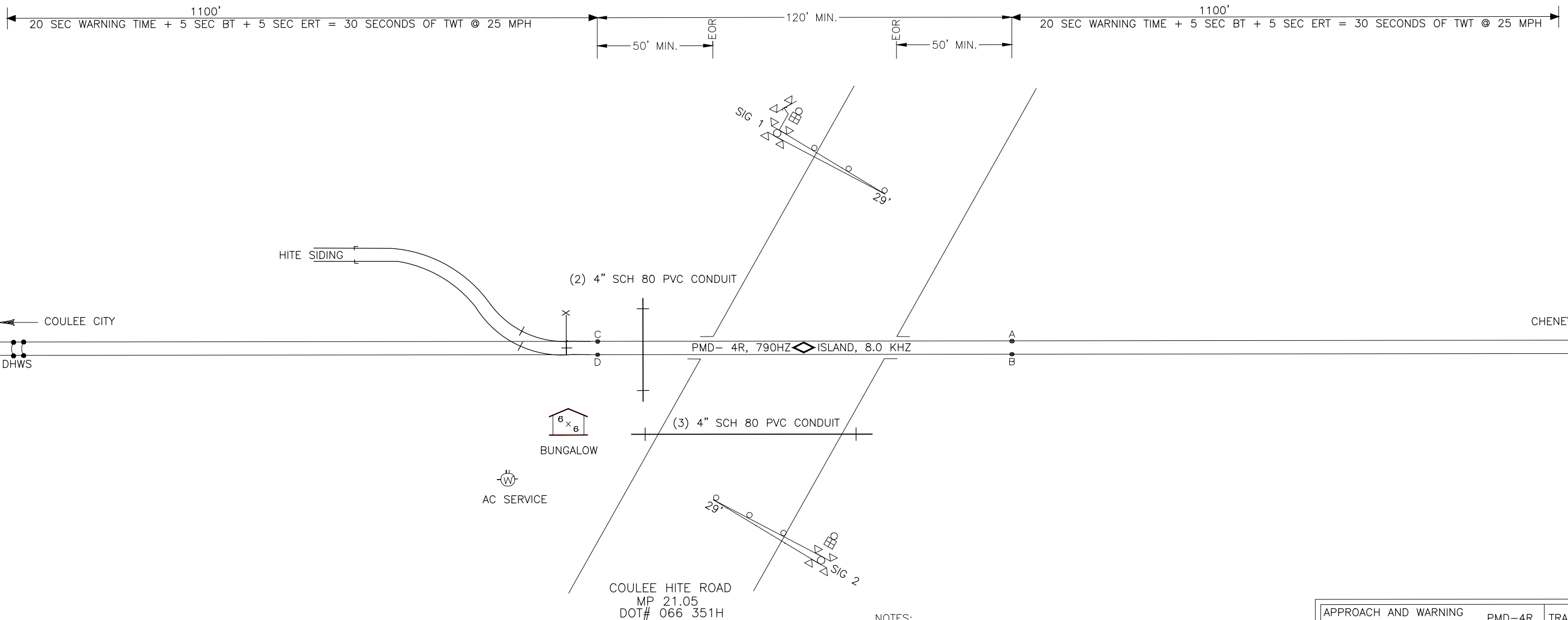





C:\pwworking\west02\dms83027\Coulee Hite Xing Front Sheets.dwg Dec 18, 2025 4:06pm



NOTES:

1. DUAL HARDWIRE SHUNTS TO BE INSTALLED ON EACH APPROACH.
2. ALL RAIL JOINTS SHALL BE DOUBLE BONDED WITH ONE HEAD AND ONE WEB BOND.
3. INSTALL NEW 6'X6' BUNGALOW IN THE SOUTHWEST QUADRANT.
4. INSTALL NEW 100A METER SERVICE FOR RR CROSSING SIGNALS.
5. INSTALL ALL NECESSARY EQUIPMENT TO FORM A COMPLETE AND COMPLIANT SYSTEM.
6. GRADE CROSSING LAYOUT PER BNSF SES NO. DE0005.02 FIGURE 3.
7. FOLLOW BNSF SES FOR ALL GRADE CROSSING WARNING SYSTEM DESIGN AND INSTALLATION WORK.
8. NUMBER OF CONDUITS SHOWN CONSIDERS LOW VOLTAGE SIGNAL LINES, HIGH VOLTAGE POWER LINES, AND ALLOWANCE FOR SPARES AS APPLICABLE.

LEGEND:

-  KB SIGNALING PMD-4R
-  BELL
-  100 AMP AC METER SERVICE

APPROACH AND WARNING TIME CALCULATION	PMD-4R	TRACK 1
MINIMUM TIME	20 SEC	
PLUS CLEARANCE TIME	0SEC	
MINIMUM WARNING TIME (MWT)	0SEC	
PLUS BUFFER TIME	5SEC	
TOTAL WARNING TIME (TWT)	25SEC	
PLUS EQUIPMENT RESPONSE TIME	5SEC	
PLUS ADVANCE PRE-EMPTION TIME	N/A SEC	
TOTAL APPROACH TIME (TAT)	30SEC	
MAXIMUM TRAIN SPEED	25 MPH	
TIMES RATIO OF FT/SEC TO MPH	1.4667	
TOTAL (MINIMUM) APPROACH DISTANCE	1100FT	

Spokane County Department of Public Works
 1026 West Broadway Avenue,
 Spokane WA 99260-0170
 (509) 477-3600

APPROVED: _____
 Date: _____

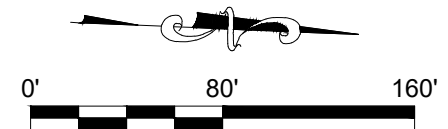
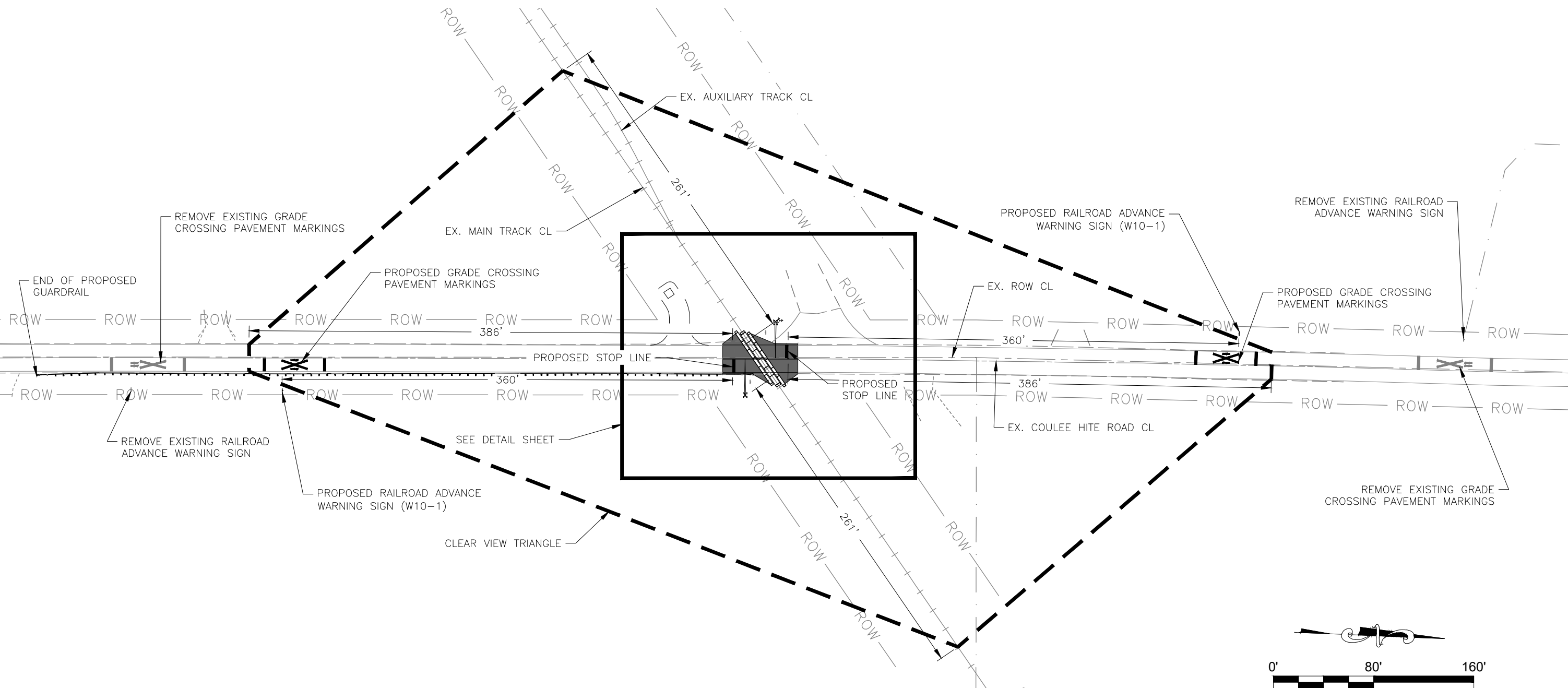
SPOKANE COUNTY
COULEE HITE ROAD AT-GRADE CROSSING
WUTC PETITION ILLUSTRATION - SIGNAL FRONT SHEET

NO.	DATE	BY	CKD.	APPR.	REVISION DESCRIPTION

GENERAL NOTES

1. GRADE CROSSING ADVANCE WARNING SIGNS AND PAVEMENT MARKINGS ARE PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 11TH EDITION (2023).
2. WITHIN AREA OF NEW ROADWAY, PROPOSED TRAVEL LANE WIDTH = 11', PAVED SHOULDER WIDTH = 1'. LANE MARKINGS INCLUDE SOLID DOUBLE CENTERLINE, AND FOG LINES.
3. ROADWAY SPEED = 45 MPH.
4. RAIL DESIGN SPEED = 25 MPH.
5. CLEAR VIEW TRIANGLE PER WSDOT DESIGN MANUAL EXHIBIT 1350-1.
6. PROPOSED ACTIVE WARNING WILL USE CONSTANT WARNING TIME SYSTEM.
7. RIGHT-OF-WAYS SHOWN ARE APPROXIMATE.

C:\pwworking\west02\dms83027\Coulee Hite Road RR Xing UTC Sheets.dwg Dec 18, 2025 4:06pm



NO.	DATE	BY	CKD.	APPR.	REVISION DESCRIPTION

Spokane County Department of Public Works
 1026 West Broadway Avenue,
 Spokane WA 99260-0170
 (509) 477-3600

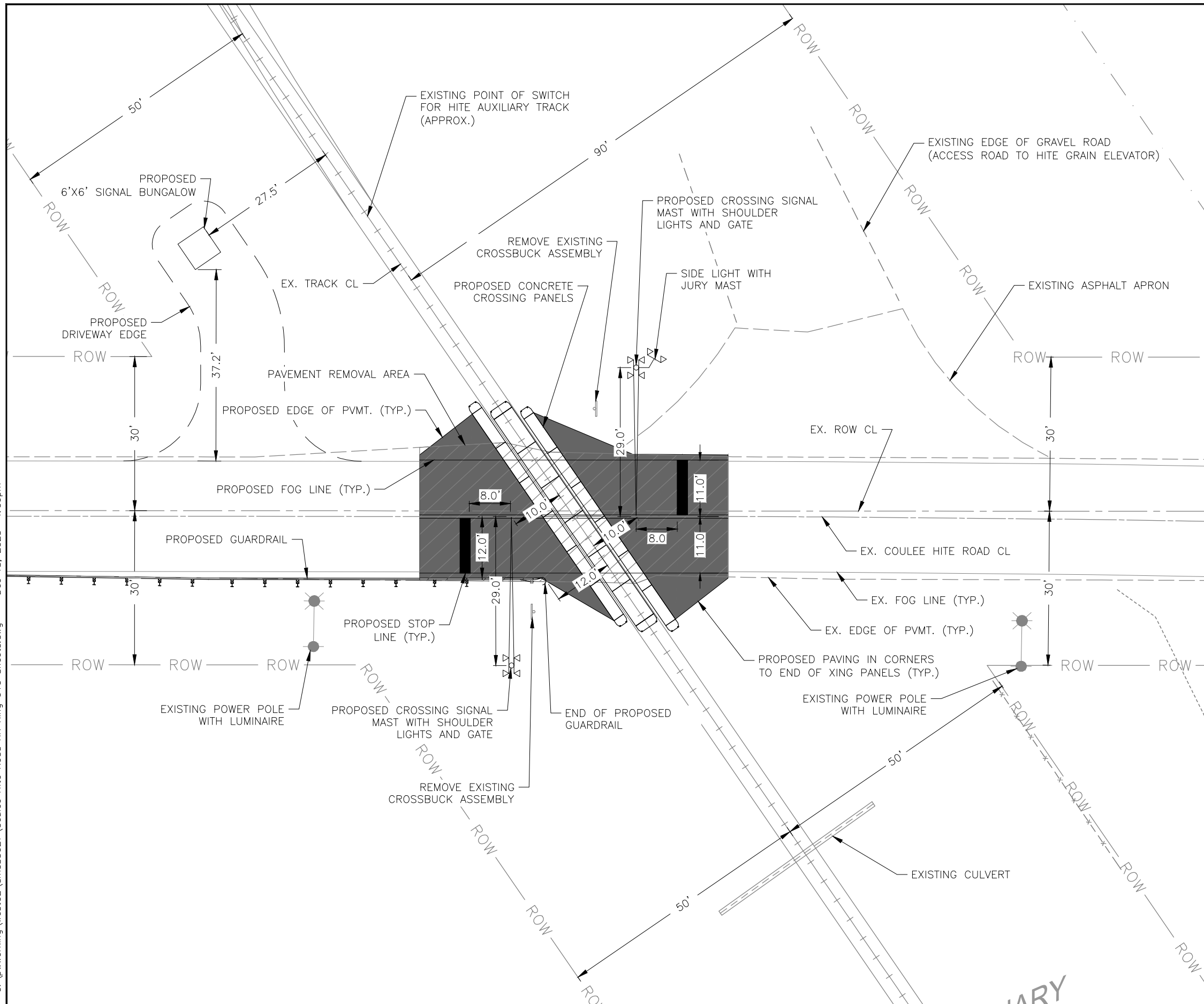
APPROVED: _____
 Date: _____

PRELIMINARY

SPOKANE COUNTY
**COULEE HITE ROAD AT-GRADE CROSSING
 WUTC PETITION ILLUSTRATION - OVERVIEW**

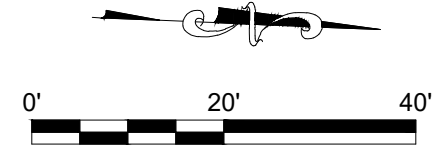
SHEET
 2 OF 3

C:\pwworking\west02\dms83027\Coulee Hite Road RR Xing UTC Sheets.dwg Dec 18, 2025 4:09pm



GENERAL NOTES

1. GRADE CROSSING ADVANCE WARNING SIGNS AND PAVEMENT MARKINGS ARE PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 11TH EDITION (2023).
2. WITHIN AREA OF NEW ROADWAY, PROPOSED TRAVEL LANE WIDTH = 11', PAVED SHOULDER WIDTH = 1'. LANE MARKINGS INCLUDE SOLID YELLOW DOUBLE CENTERLINE, AND WHITE FOG LINES.
3. ROADWAY SPEED = 45 MPH.
4. RAIL DESIGN SPEED = 25 MPH.
5. PROPOSED ACTIVE WARNING WILL USE CONSTANT WARNING TIME SYSTEM.
6. PROPOSED CROSSING GEOMETRY AND SIGNAL POSITIONS MEET OR EXCEED THE REQUIREMENTS OF BNSF SES NO. DE0005.01 FIGURE 5 AND BNSF SES NO. DE0005.02 FIGURE 3, INCLUDING ALLOWANCE FOR WIND GUARD ON GATE MAST.
7. PROPOSED CROSSING SIGNAL POSITION AND CONCRETE PANEL ARRANGEMENT ALLOWS FOR FUTURE ROAD MODERNIZING (12' TRAVEL LANES AND 6' SHOULDERS).
8. PROPOSED CROSSING PANELS ARE BNSF COMMON STANDARD CONCRETE PANELS FOR 10' WOOD TIES, PER BNSF DGFITP APPENDIX A-42 (STD. DWG. NO. 200100).
9. RIGHT-OF-WAYS SHOWN ARE APPROXIMATE.



NO.	DATE	BY	CHKD.	APPR.	REVISION DESCRIPTION

Spokane County Department of Public Works
 1026 West Broadway Avenue,
 Spokane WA 99260-0170
 (509) 477-3600

APPROVED: _____
 Date: _____

PRELIMINARY

SPOKANE COUNTY
COULEE HITE ROAD AT-GRADE CROSSING
 WUTC PETITION ILLUSTRATION - DETAIL VIEW

SHEET
3 OF 3