Attachment A WYDOT Alternatives Review Letter



Governor



3200 Elk Street, Rock Springs, Wyoming 82901



December 11, 2019

Teton County Public Works Heather Overholser, Director P.O. Box 3594 Jackson, WY 83001

> Re: Tribal Trail Connector WY 22 Proposed Intersection Alternatives

Dear Ms Overholser:

WYDOT performed a preliminary review of the WY 22 access scenarios that were developed through the Tribal Trail Level 2 screening process. There were a total of eight (8) (I-N2, I-N2C, signalized no graphic provded, I-N4C, I-N7, I-N10, I-N11, and I-N15) access scenarios as indicated in the attached email dated November 26, 2019 and figures (Figures I-N2 and I-N2C were reviewed separately).

In summary, WYDOT reviewed each access scenario based on a high level engineering judgment approach with limited information with respect to access management, geometrics, operations/warrants, and vehicle safety. It should be noted that none of the access scenarios proposed met the minimum access spacing along WY 22 (minor arterial) contained in Table II-2 of the WYDOT Access Manual and/or access permit conditions. However, WYDOT reviewed each access scenario based on what was provided and determined that the following may be considered for further review pending a detailed operational analysis by the Tribal Trail Team Consultant(s) on both WY 22 current 2-lane and future horizon 4-lane configurations.

- I-N2 (Interchange with right-in/right-out (RI/RO) at Indian Springs Dr and Coyote Canyon Rd (ISD/CCR)
- At-grade Signalized with RI/RO at ISD/CCR (no graphic provided), and
- I-N11 (At-grade Signalized with No Changes at ISD/CCR)

I-N2 above will need to be evaluated as a grade-separated underpass with other interchange ramp types that serves the motoring traffic from both eastbound and westbound directions. WYDOT felt that I-N2C directional ramps limited serving the traveling public from utilizing it as a fully operational interchange. I-N2C minimized route redundancy, connectivity, and optional route opportunities for motorists traveling to or from the 'Y'.

In addition, WYDOT requests that the Tribal Trail Team consider variations on alternative(s), previously screened, but not presented to WYDOT. For example, I-9 with two underpasses and a north service road partially depicts a similar access scenario, however with RI/RO access location combinations on WY 22. Please consider the following, as WYDOT feels that these will fulfill the purpose and need of the Tribal Trail project and address local concerns. The alternatives below maximize access spacing, minimize the number of access points, maintains access directly or indirectly to adjacent properties on both sides of WY 22, and provides a circuitous connection for Tribal Trail minimizing cut-through traffic.

- Alternative #1 RI/RO at both ISD/CCR. No direct access to Tribal Trail.
- Alternative #2 RI/RO at CCR, and RI/RO at Tribal Trail Rd south. No direct access to ISD.
- Alternative #3 RI/RO at ISD, and RI/RO at Tribal Trail Rd north. No direct access to CCR.

Alternative #4 - RI/RO at Tribal Trail north and south. No direct access to ISD/CCR.

Each alternative above includes two underpasses, a north service road, and for each RI/RO approach a directional island on the access may be necessary to ensure compliance.

The remaining access scenarios of I-N2C, I-N4C, I-N7, I-N10, and I-N15 did not make it for further consideration. This was due to that the majority of access alternatives faired poorly with a combination of access spacing not being met, minimal weaving distance between ingress/egress points, left turning conflicts, and queueing or increased rear-end crash potential. These access scenarios are anticipated to create additional operational and safety concerns on WY 22.

The final access scenario to be selected by the Tribal Trail Team/County will require a detailed operational and safety analysis for WYDOT review. This is not in any way be considered final acceptance by WYDOT. All necessary permits, with the Tribal Trail Team/County's preferred access scenario(s) and operational/safety analysis, shall be submitted to WYDOT. The operational/safety analysis shall include, at a minimum, a comparative analysis of each access scenario based on AASHTO geometric review, signal warrants if necessary, vehicle queuing, level-of-service capacity analysis, and review of potential vehicle conflicts. This list may not be entirely inclusive. Due to the Tribal Trail connection to a State Highway, WYDOT will have final approval authority on the WY 22 intersection type, configuration, and location.

If you have any questions or concerns please contact me at 307-352-3000.

Sincerely,

Leroy CWells, P.E. Acting District Engineer

File

Attachment(s): November 26, 2019 email, Access Scenario Figures, Additional Alternatives

Cc:

Nike Hines, CEP, WYDOT, Environmental Services, Cheyenne Jeff Mellor, P.E. WYDOT, Assistant State Traffic Engineer, Cheyenne Bob Hammond, P.E. WYDOT, Resident Engineer, Jackson Stephanie Harsha, WYDOT, Public Relations Specialist, Rock Springs Darin Kaufman, P.E., PTOE, WYDOT, District Traffic Engineer, Rock Springs Ryan Shield, P.E., WYDOT, Traffic, Cheyenne Randy Bomar, P.E., Morrison-Maierle, 1470 Sugarland Dr., Suite 1, Sheridan, WY 82801 Jim Clarke, AICP, Jacobs, 717 17th Street, Suite 2750, Denver, CO 80202

Darin Kaufman <darin.kaufman@wyo.gov>

Tribal Trail intersection analysis

Amy Ramage <aramage@tetoncountywy.gov>

Tue, Nov 26, 2019 at 10:17 AM

To: "Darin Kaufman - WYDOT (darin.kaufman@wyo.gov)" <darin.kaufman@wyo.gov> Cc: Ryan Shields <ryan.shields@wyo.gov>, Keith Compton <keith.compton@wyo.gov>, Leroy Wells <leroy.wells@wyo.gov>, Keith Compton <bob.hammond@wyo.gov>, "Clarke, Jim O." <Jim.Clarke@jacobs.com>, "Wimer, Whitney/DEN" <Whitney.Wimer@jacobs.com>, Randy Bomar <rbomar@m-m.net>, "Steven K. Lowman" <slowman@m-m.net>, Jazmine Watson <jwatson@tetoncountywy.gov>, Heather Overholser <hoverholser@tetoncountywy.gov>, "nick.hines@wyo.gov" <nick.hines@wyo.gov>, Kevin Stogsdill <Kevin.Stogsdill@wyo.gov>

Hi Darin,

Per our recent conversations, WYDOT has offered to review different access point configurations included in the Tribal Trail Level 2 alternatives. We have scheduled a meeting on December 5 to discuss this. To assist with this, the project team assembled a table with different access point configurations and attached accompanying graphics that we would like you to provide feedback on so we can begin to narrow down those that simply would not be permittable based upon WYDOT design and access standards, and the existing approach permits for Indian Springs and Coyote Canyon and associated plat language. Note that the graphics package still has other alternatives included, but we have narrowed them down in the table below.

As discussed at the last stakeholder meeting, WYDOT will conduct a preliminary review then likely request more information from the study team. Once received, WYDOT can provide determinations regarding multiple access points on WY 22.

Notes:

- For this purpose, we've assumed the TTC at-grade intersection would be signalized. I have requested the
 volumes from Cambridge to assist with your signal warrant analysis. This will follow in a separate email when I
 receive this information from them.
- The recent proposal from Indian Springs Ranch (Holland and Hart letter dated Nov 11) could fall under scenarios 1 or 2.
- ISD=Indian Springs Drive, CCR=Coyote Canyon Road, TTC=Tribal Trail Connector

Access Scenario	ISD/CCR	ттс	Level 2 Alternatives
1	RIRO	Interchange	I-N2, I-N2C
2	RIRO	At-grade signalized	*
3	No Change (different than drawing for evaluation purposes)	Roundabout	I-N4C
4	Interchange	Interchange	I-N7

5	No Change	Interchange	I-N10				
6	No Change	At-grade signalized	I-N11				
7	No Change	RIRO	I-N15				

*No separate L2 alternative graphic showing signalized

North Alternatives without access points at ISD/CCR and TTC: I-N4, I-N6B, I-N7B, I-N9, I-N16

I appreciate your collaboration on this effort. Feel free to call me if you have questions!

Thank you;

Amy Ramage, PE

Teton County Engineer

PO Box 3594

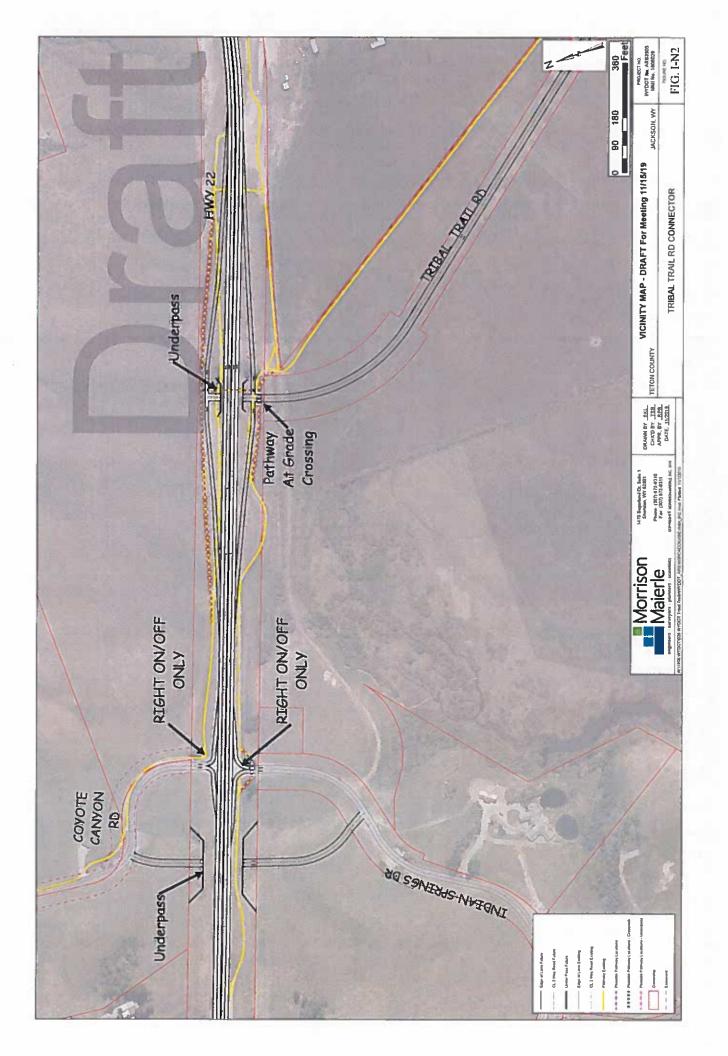
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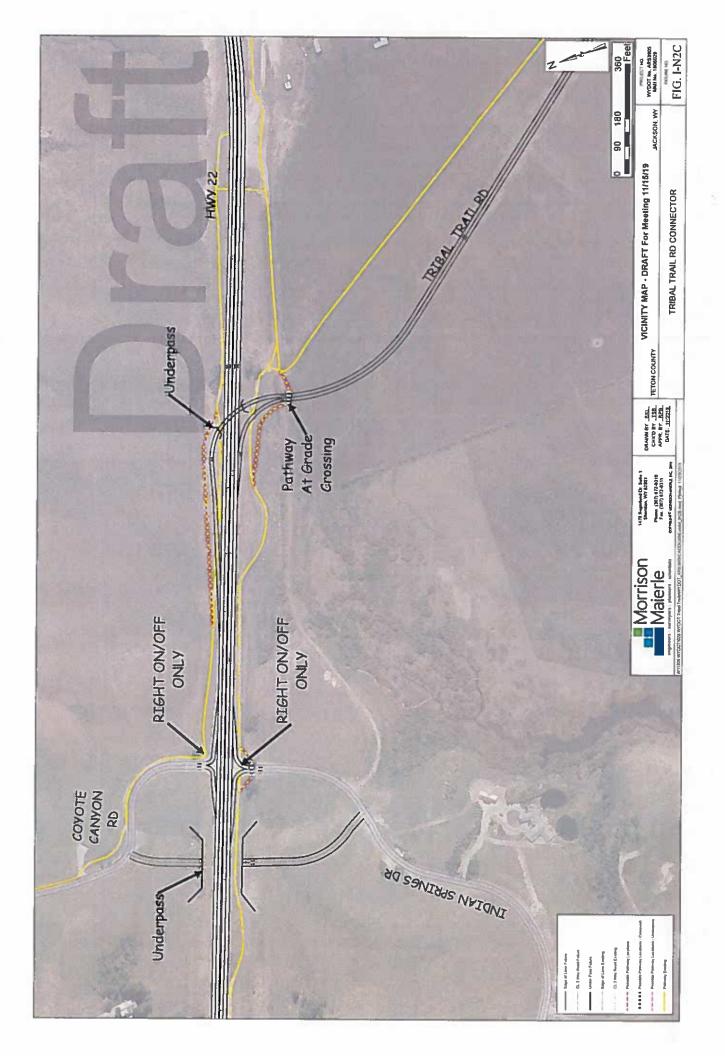
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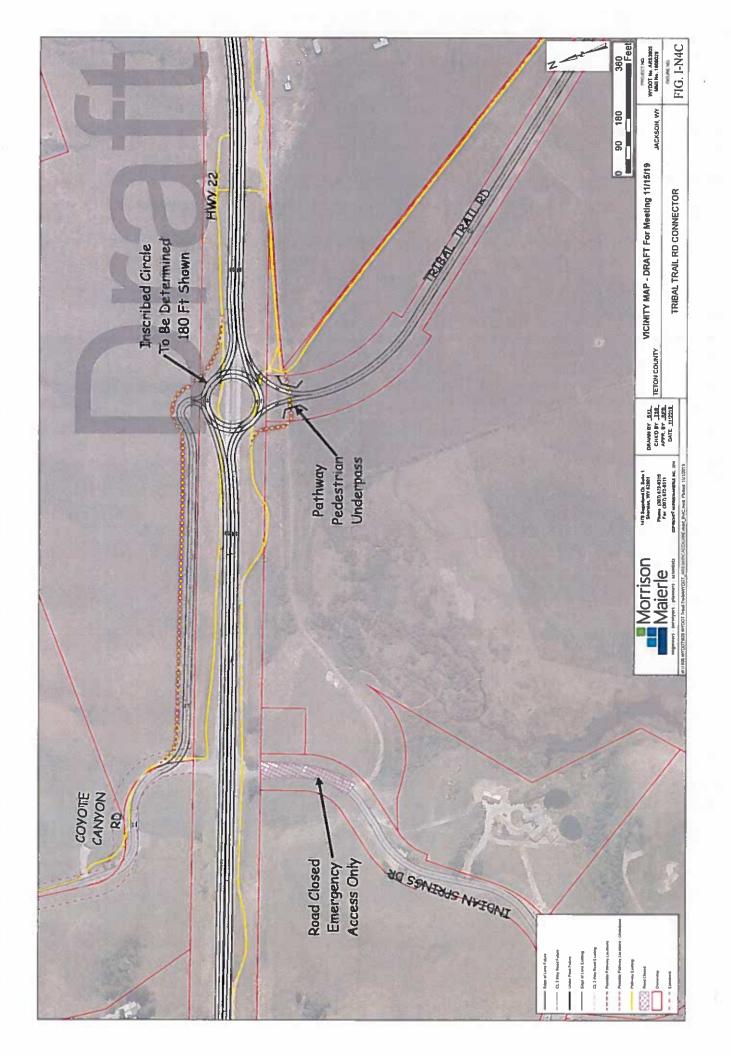
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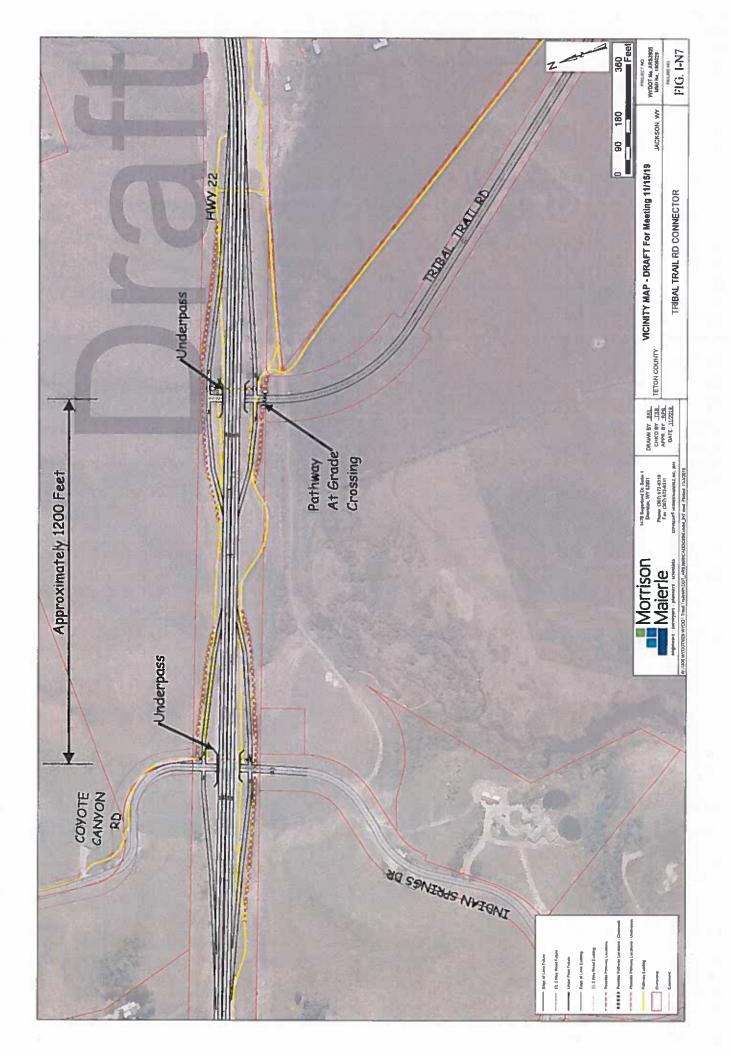
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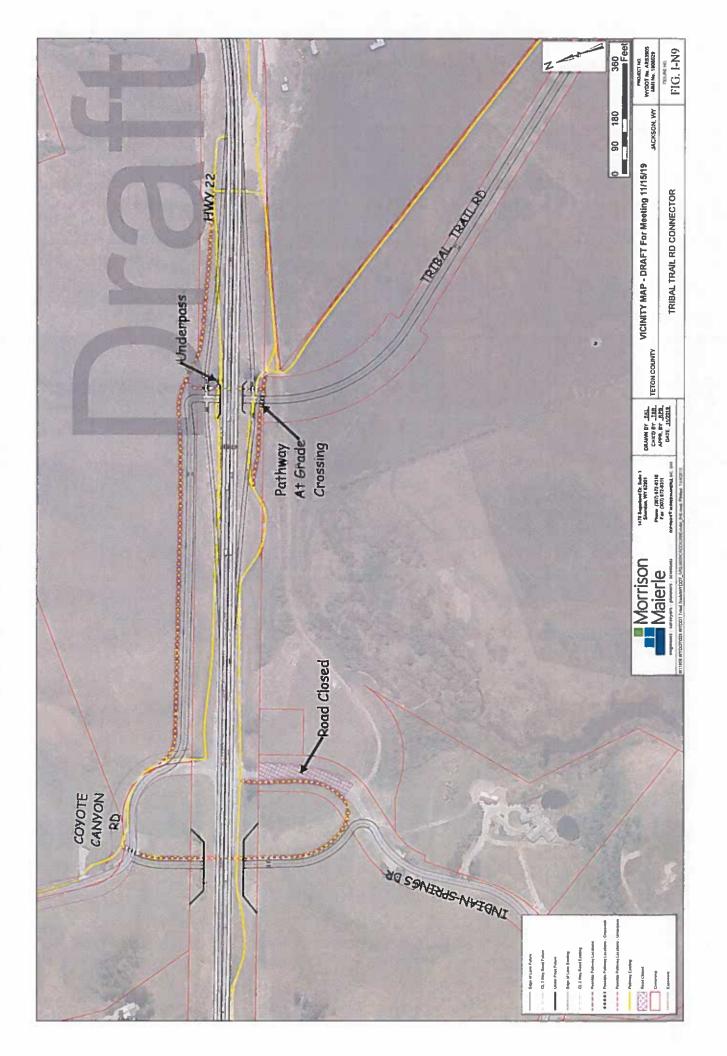
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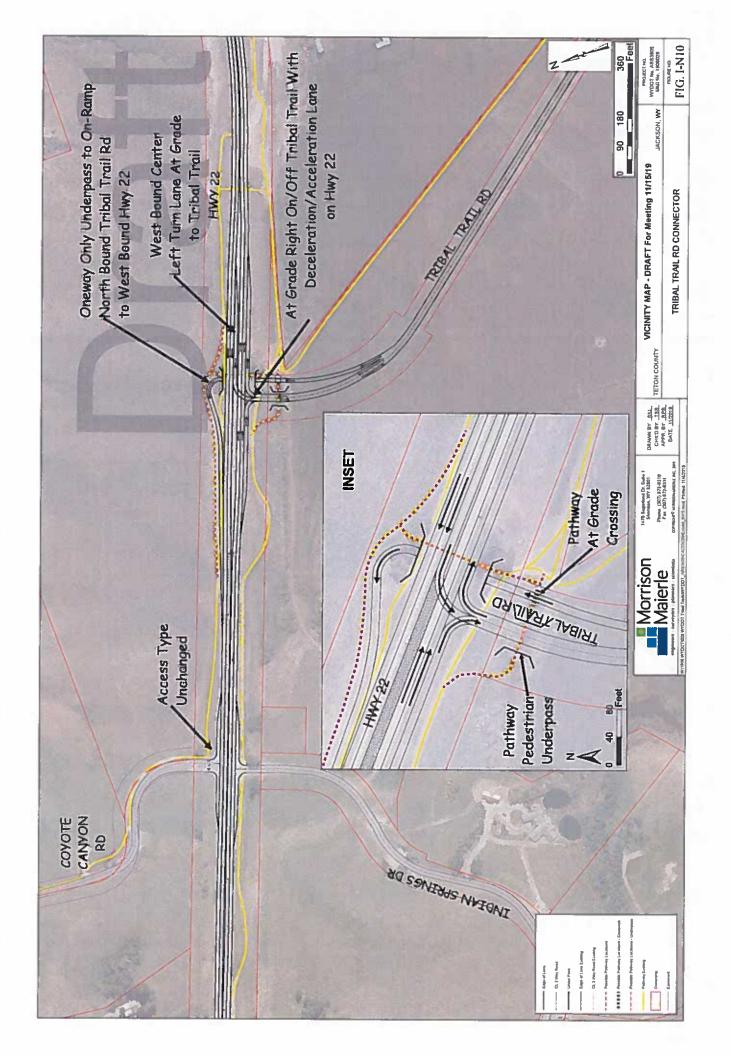


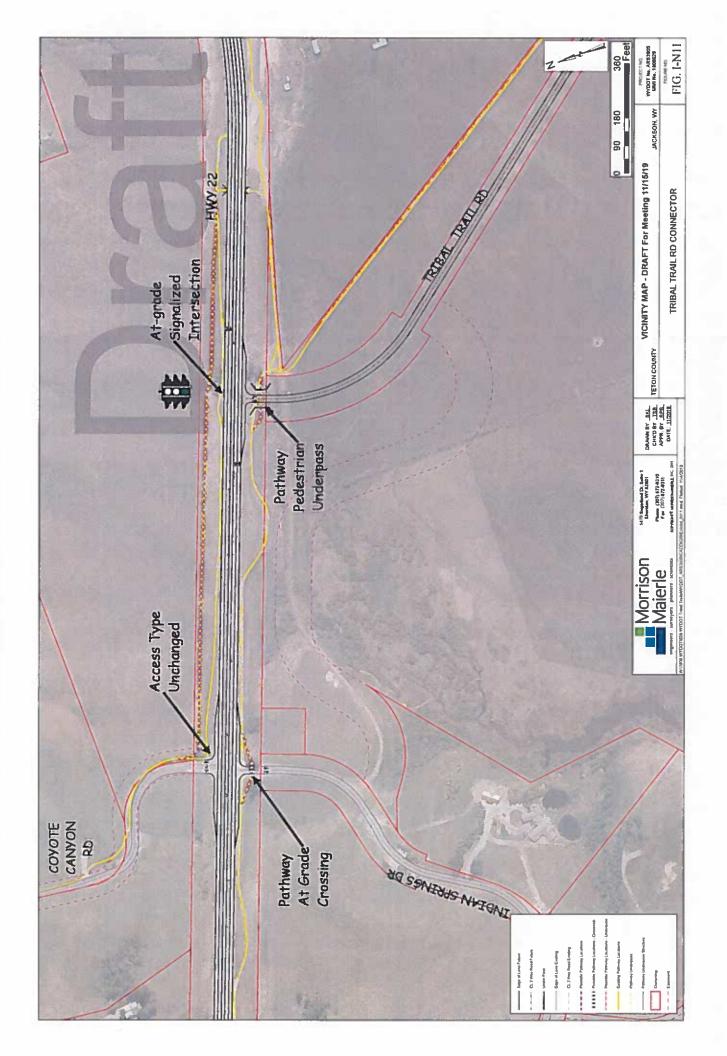


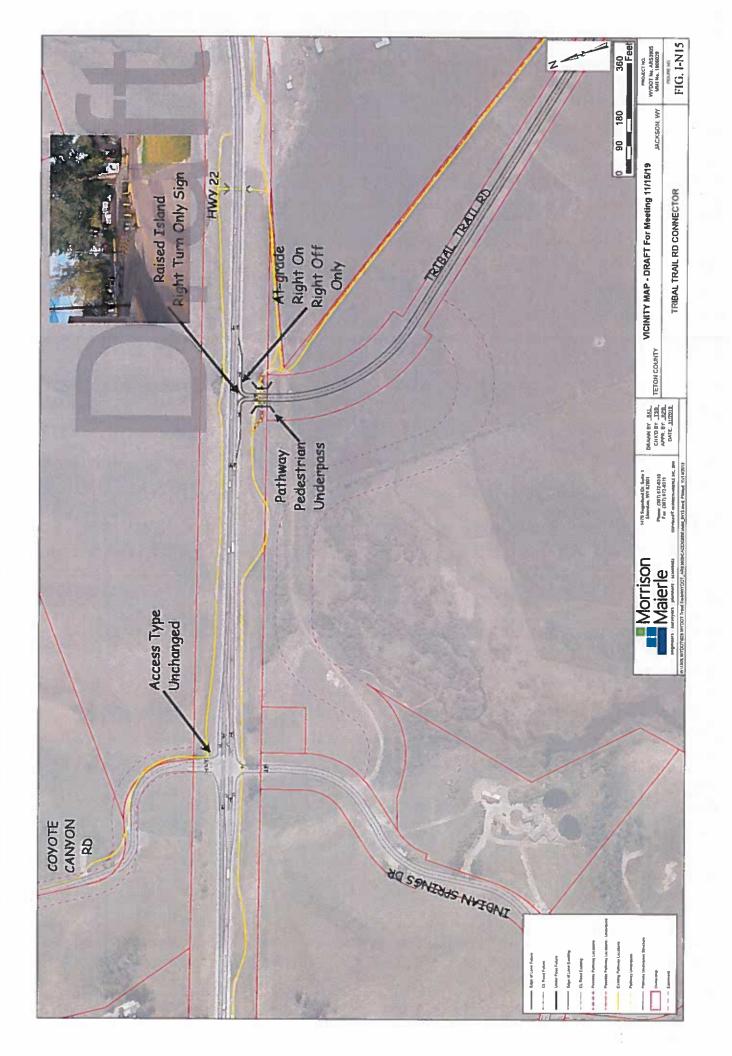






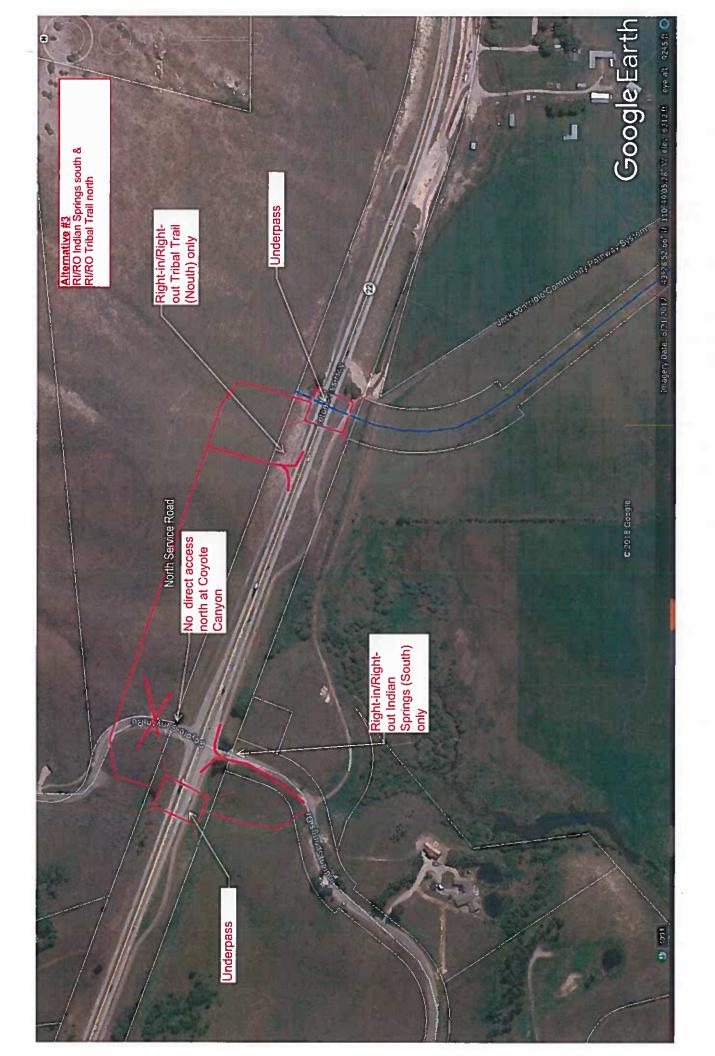


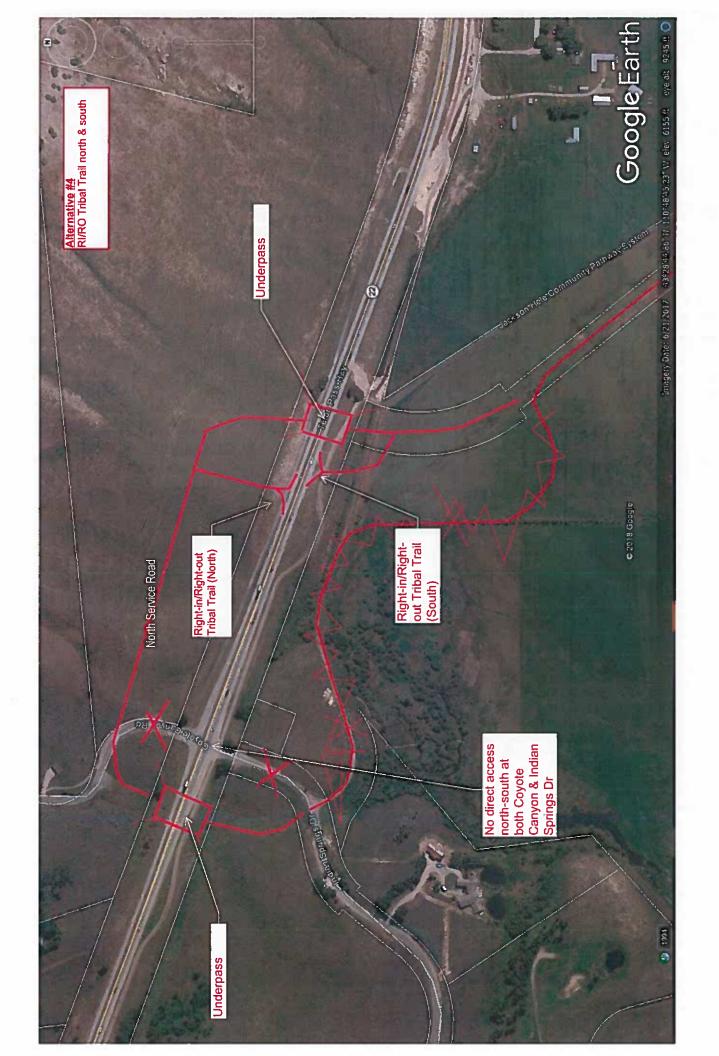












Attachment B Level 1 Alternatives Evaluation Matrix



Level 1 Alternative Evaluation Screening Matrix

				Purpose a	and Need Screening			Fatal Flav		
		Description of Alternative	Provide travel redundancy (more than one independent way in or out of an area)?	travel (VMT) associated	Reduce local trips through the Y intersection?	Improve emergency response?	Provide improved multi-modal connections?	Does the alternative have irresolvable environmental impacts?	Is the alternative not constructible due to physical or legal constraints?	Results
	No Build	Existing conditions	No	No	No	No	No	No	No	Carry Forward
ay nts	O-N1	Roadway centered within right-of-way.	Yes	Yes	Yes	Yes	Yes	No	No	Carry Forward
Roadway Alignments	O-N2a	Roadway with chicanes maintaining a minimum of 20 feet of snow storage on each side of the road.	Yes	Yes	Yes	Yes	Yes	No	No	Carry Forward
A A	O-N2b	Roadway with chicanes maintaining a minimum of 12 feet of snow storage on each side of the road.	Yes	Yes	Yes	Yes	Yes	No	No	Carry Forward
	I-N1a	Tribal Trail Road, access to Hwy 22, is via an interchange. The connector road follows the platted easement. Indian Springs Drive access to Hwy 22 is closed. Coyote Canyon Road, access to Hwy 22, is converted to right on/off. Eastbound traffic from Coyote Canyon Road uses the connector road via an underpass.	Yes	Yes	Yes	Yes	Yes (Conditional ²)	Yes ⁴	No (Conditional ⁵)	Eliminated
	I-N1b ^{1,7}	Tribal Trail Road has an at-grade crossing on Hwy 22. All other design elements are the same as I-N1a.	Yes	Yes	Yes	Yes	Yes (Conditional ²)	Yes ⁴	No (Conditional ⁵)	Eliminated
	I-N2a	Tribal Trail Road, access to Hwy 22, is via an interchange. Coyote Canyon Road and Indian Springs Drive access to Hwy 22 is converted to right on/off. Eastbound traffic from Coyote Canyon Road uses an underpass to access Hwy 22.	Yes	Yes	Yes	Yes	Yes (Conditional ²)	No	No ⁶	Carry Forward
	I-N2b ^{1,7}	Tribal Trail Road has a signalized at-grade crossing on Hwy 22. All other design elements are the same as I-N2a.	Yes	Yes	Yes	Yes	Yes (Conditional ²)	No	No ⁶	Carry Forward
orth Intersection Options	I-N2c ¹⁰	Tribal Trail Road access to Hwy 22, is via a one-way underpass diagonal underpass. Traffic to Tribal Trail Road is limited to westbound Hwy 22 travel. Coyote Canyon Road and Indian Springs Drive accesses to Hwy 22 are converted to right on/off. Indian Springs Drive and Coyote Canyon Road are connected by an underpass.	Yes	Yes	Yes	Yes (Conditional ¹¹)	Yes (Conditional ¹¹)	No	No	Carry Forward
rth Intersed	I-N3a	Coyote Canyon Road and Indian Springs Drive existing accesses to Hwy 22 are closed. Coyote Canyon Road traffic uses a frontage road on the north side of Hwy 22 to access the Tribal Trail Road interchange. Indian Springs traffic uses the platted connector to Tribal Trail Road.	Yes	Yes	Yes	Yes	Yes (Conditional ²)	Yes ⁴	No	Eliminated
	I-N3b ^{1,7}	Coyote Canyon Road and Tribal Trail Road share an at-grade crossing on Hwy 22. All other design elements are the same as I-N3a.	Yes	Yes	Yes	Yes	Yes (Conditional ²)	Yes ⁴	No	Eliminated
	I-N4a	Coyote Canyon Road and Indian Springs Drive existing accesses to Hwy 22 are closed. Coyote Canyon Road traffic uses a frontage road on the north side of Hwy 22 to access the Tribal Trail Road interchange. Indian Springs Drive access is to the south via W. Boyles Hill Road.	Yes	Yes	Yes	Yes	Yes (Conditional ²)	No	No	Carry Forward
	I-N4b ^{1,7}	Coyote Canyon Road and Tribal Trail Road share an at-grade crossing on Hwy 22. All other design elements are the same as I-N4a.	Yes	Yes	Yes	Yes	Yes (Conditional ²)	No	Yes ¹⁴	Eliminated
	I-N4c ^{1,7}	Coyote Canyon Road and Tribal Trail Road access Hwy 22 via a roundabout. All other design elements are the same as I-N4a.	Yes	Yes	Yes	Yes (Conditional ³)	Yes (Conditional ³)	No	Yes ⁶	Eliminated
	I-N5	Coyote Canyon Road and Indian Springs Drive existing accesses are right on/right off with an underpass allowing traffic to access both sides of the Hwy 22. Tribal Trail Road traffic is directed to Indian Springs Road via the platted connector to access Hwy 22.	Yes	Yes	Yes	Yes	Yes (Conditional ²)	Yes ⁴	No (Conditional ⁵)	Eliminated



Level 1 Alternative Evaluation Screening Matrix

				Purpose a	and Need Screening			Fatal Flav		
		Description of Alternative	Provide travel redundancy (more than one independent way in or out of an area)?	travel (VMT) associated	Reduce local trips through the Y intersection?	Improve emergency response?	Provide improved multi-modal connections?	Does the alternative have irresolvable environmental impacts?	Is the alternative not constructible due to physical or legal constraints?	Results
	I-N6a	Tribal Trail Road accesses Hwy 22 with a two-lane roundabout. Coyote Canyon Road, access to Hwy 22, is converted to right on/off. Eastbound traffic from Coyote Canyon Road uses an underpass to access Hwy 22 via the connector road. Indian Springs Drive access to Hwy 22 is closed.	Yes	Yes	Yes	Yes	Yes (Conditional ³)	Yes ⁴	No (Conditional ⁵)	Eliminated
	I-N6b ¹	Tribal Trail Road accesses Hwy 22 with a two-lane roundabout. Indian Springs Drive access to Hwy 22 is closed. Indian Springs Drive uses an underpass to access the Coyote Canyon Road frontage on the north side of Hwy 22 to the roundabout.	Yes	Yes	Yes	Yes	Yes (Conditional ³)	No	No	Carry Forward
	I-N6c	Tribal Trail Road has a signalized at-grade crossing on Hwy 22. Indian Springs Drive access to Hwy 22 is closed. Indian Springs Drive uses an underpass to access the Coyote Canyon Road frontage on the north side of Hwy 22 to the signalized intersection.	Yes	Yes	Yes	Yes	Yes (Conditional ²)	No	No	Carry Forward
Options	I-N7	Coyote Canyon Road and Indian Springs Drive existing accesses to Hwy 22 are converted to an interchange. Tribal Trail Road, access to Hwy 22, is also be an interchange.	Yes	Yes	Yes	Yes	Yes (Conditional ³)	No	Yes ⁶	Eliminated
section	I-N8	All access to Hwy 22 is via a central interchange. Coyote Canyon traffic uses a frontage road on the north side of Hwy 22 to access the highway. Indian Springs and Tribal Trail Road use a frontage road adjacent to the south side of the highway that does not follow the platted easement to access Hwy 22.	Yes	Yes	Yes	Yes	Yes (Conditional ³)	Yes ⁴	No	Eliminated
North Inter		Coyote Canyon Road and Indian Springs Drive existing accesses to Hwy 22 are closed. An underpass is built to connect Coyote Canyon Road and Indian Springs Drive. Traffic uses a frontage road on the north side of the highway to access the Tribal Trail Road Hwy 22 interchange.	Yes	Yes	Yes	Yes	Yes (Conditional ²)	No	No	Carry Forward
		Tribal Trail Road has a one-way only underpass for westbound traffic to access Hwy 22. Eastbound traffic has an at grade right on/off at Tribal Trail Road. Westbound Hwy 22 traffic has a left-hand turn lane to access Tribal Trail Road. Coyote Canyon Road and Indian Springs Drive would remain the same.	Yes	Yes	Yes	Yes	Yes (Conditional ²)	No	Yes ⁶	Eliminated
	I-N11 ¹	Tribal Trail Road has signal intersection on HWY 22. Coyote Canyon Road and Indian Springs Drive would remain the same.	Yes	Yes	Yes	Yes	Yes (Conditional ²)	No	No	Carry Forward
	I-N12 ¹	Tribal Trail Road, access to Hwy 22, is an at-grade signalized intersection. Coyote Canyon Road and Indian Springs Drive existing accesses to Hwy 22 are closed. Coyote Canyon Road accesses the connector road via an underpass. The connector road is North of the platted easement with the tie-in to Indian Springs Drive bisecting the hill located to the East of the current Hwy 22 access.	Yes	Yes	Yes	Yes	Yes (Conditional ²)	Yes ⁴	No (Conditional ⁵)	Eliminated
		Tribal Trail Road, access to Hwy 22, is an at-grade signalized intersection. Coyote Canyon Road and Indian Springs Drive existing accesses to Hwy 22 are closed. Coyote Canyon Road uses the connector road via an underpass. The connector road is North of the platted easement but maintains the platted tie-in with Indian Springs Drive.	Yes	Yes	Yes	Yes	Yes (Conditional ²)	Yes ⁴	No (Conditional ⁵)	Eliminated



Level 1 Alternative Evaluation Screening Matrix

				Purpose a	and Need Screening			Fatal Flaw		
		Description of Alternative	Provide travel redundancy (more than one independent way in or out of an area)?	travel (VMT) associated	Reduce local trips through the Y intersection?	Improve emergency response?	Provide improved multi-modal connections?	Does the alternative have irresolvable environmental impacts?	Is the alternative not constructible due to physical or legal constraints?	Results
suo	I-N14 ⁸	Similar to the "No Build" alternative, in that, the last 1,800-feet of Tribal Trail is not built, therefore eliminating the need for an intersection at Hwy 22. An underpass would be constructed to eliminate left-hand turns onto Hwy 22 from Coyote Canyon Road and Indian Springs Drive.	No	No	No	No	No	No	No	Eliminated
tion Options		Tribal Trail Road would be a limited access gravel road. The road would be gated to allow EMS to use the road when needed. Roadway could be opened for emergency egress if needed.	No	No	No	Yes	No	No	No	Eliminated
Intersect	I-N16a ¹²	Intermediary alternative. Tribal Trail Road, access to Hwy 22, is an at-grade right-on, right-off intersection. No change to intersection at Coyote Canyon Road and Indian Springs Drive.	Yes	Yes	Yes	Yes	Yes (Conditional ⁹)	No	Yes ⁶	Eliminated
North	I-N16b ¹²	Intermediary alternative. Tribal Trail Road, access to Hwy 22, is an at-grade right-on, right-off intersection. An underpass is built to connect Coyote Canyon Road and Indian Springs Drive. Coyote Canyon Road and Indian Springs Drive at Hwy 22 are converted to right-on, right-off intersections.	Yes	Yes	Yes	Yes	Yes	No	Yes ⁶	Eliminated
	I-N17 ¹²	Tribal Trail Road has an eastbound right-on, right-off access and Hwy 22 underpass to connect traffic to Coyote Canyon Road. Existing access at Coyote Canyon Road is closed. Westbound traffic would use right-on, right- off access near the Tribal Trail Road underpass. Existing access at Indian Springs Drive is closed. Indian Springs traffic would use an underpass to access WY 22 via northern frontage road.	Yes	Yes	Yes	Yes	Yes	No	No	Carry Forward
u	I-S1	Four way stop signs	Yes	Yes	Yes	Yes	Yes	No	No	Carry Forward
South tersection Options	I-S2	Roundabout	Yes	Yes	Yes	Yes (If Built for EMS)	Yes (Conditional ³)	No	No	Carry Forward
S Inte OI		Roadway alignment of Boyles Hill Road is shifted, as a visual cue that a stop sign is ahead.	Yes	Yes	Yes	Yes	Yes	No	No	Carry Forward

Footnotes

1 Figures were not presented of these at-grade intersection alternatives at the 07/25/2019 Stakeholder meeting. Group opted to evaluate the at-grade alternatives without the figures. Group also suggest two additional alternatives to be evaluated.

2 Will need to be designed to accommodate bike/ped movements.

3 Will need to be designed to accommodate EMS, bike/ped movements and low-clearance buses.

4 Direct and indirect impacts to fen wetland.

5 Based on coordination with Indian Springs, existing easement and Indian Springs Drive cannot be used by public traffic.

6 On December 11, 2019, WYDOT provided preliminary review of the alternatives having two access points onto Hwy 22. WYDOT determined that I-N2, I-N2b, and I-N11 could carry forward into Level 2 screening. I-N2C, I-N4C, I-N7, I-N10, I-N16 are anticipated to created additional operational and safety concerns of Hwy 22. (Note: WYDOT letter indicated I-N15 is to be eliminated. However, WYDOT reviewed an earlier graphic was presented to the stakeholders as I-N16).

7 Figures were not presented at 10/02/2019 Stakeholder meeting.

8 Alternative added for review at the 11/15/2019 Stakeholder meeting.

9 Alternative restricts left hand turns of buses.

10 Alternative added for review at the 11/21/2019 Stakeholder meeting.

11 EMS and buses would need to use the Coyote Canyon Rd and Indian Springs Dr underpass to travel east into Jackson from Tribal Trail Road.

12 Alternatives added based on feedback provided by WYDOT.

Tribal Trail

Level 1 Alternative Evaluation Screening Matrix

		Purpose a	and Need Screening			Fatal Flaw		
Description of Alternative	Provide travel redundancy (more than one independent way in or out of an area)?	travel (VMT) associated	Reduce local trips	Improve emergency response?	Provide improved multi-modal connections?	Does the alternative have irresolvable environmental impacts?	Is the alternative not constructible due to physical or legal constraints?	Results

14 Alternative has design features only associated with grade-separated interchange that would not apply or function with an at-grade intersection.

General Notes

The No Build Alternative will be carried forward into Level 2.

Blue highlighting indicates a change from what was presented at Stakeholder Meeting #7 on 11/21/2019.

Attachment C

Level 2 Alternatives Evaluation Matrix



Level 2 Alternative Evaluation Screening Matrix

				Purpo	se and Need Screen	ning		Project Objective Screening							
		Description of Alternative	Provide travel redundancy?	Reduce VMT associated with circuitous routing of traffic?	Reduce local trips through the Y intersection?	Improve emergency response?	Provide improved multi-modal connections?	Minimize impacts to natural resources	Minimize impacts to the human environment	Minimize safety concerns	Minimize private property impacts.	Provide more direct and efficient multi- modal routing	Be cost effective	Constructability	Maintenance
	No Build	Existing conditions	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc			\bigcirc	\bigcirc	\bigcirc			
r ts	0-N1	Roadway centered within right-of-way.						\bigcirc							
Roadway Alignments	O-N2a	Roadway with chicanes maintaining a minimum of 20 feet of snow storage on each side of the road.	•	0	•	•	0	0	•	•	•	•	•	•	0
Ali	O-N2b	Roadway with chicanes maintaining a minimum of 12 feet of snow storage on each side of the road.	•	•	•	0	•	\bigcirc	•	•	•	•		•	\bigcirc
	l-N2a ¹	Tribal Trail Road, access to Hwy 22, is via an interchange. Coyote Canyon Road and Indian Springs Drive access to Hwy 22 is converted to right on/off. Eastbound traffic from Coyote Canyon Road uses an underpass to access Hwy 22.	•	•	•	•	•	•	•	•	•	•	•	0	•
	I-N2b	Tribal Trail Road has a signalized at-grade crossing on Hwy 22. All other design elements are the same as I-N2a.		•	٠	•	•	•	•	•		•		•	•
	I-N2c	Tribal Trail Road access to Hwy 22, is via a one-way underpass diagonal underpass. Traffic from Tribal Trail Road is limited to west bound travel. Eastbound traffic can exit Hwy 22 at Tribal Trail Road. Coyote Canyon Road and Indian Springs Drive access to Hwy 22 is converted to right on/off. Eastbound traffic from Coyote Canyon Road uses an underpass to access Hwy 22.	0	0	•	•	0	0	•	•	0	•	0	0	•
section Options	I-N4a	Coyote Canyon Road and Indian Springs Drive existing accesses to Hwy 22 are closed. Coyote Canyon Road traffic uses a frontage road on the north side of Hwy 22 to access the Tribal Trail Road interchange. Indian Springs Drive access is to the south via W. Boyles Hill Road.	•	•	•	•	•	0	0	•	0	٠	0	0	•
North Interse	I-N6b	Tribal Trail Road accesses Hwy 22 with a two-lane roundabout. Indian Springs Drive access to Hwy 22 is closed. Indian Springs Drive uses an underpass to access the Coyote Canyon Road frontage on the north side of Hwy 22 to the roundabout.	•	•	•	•	•	0	0	•	•	0	0	0	0
	l-N6c	Tribal Trail Road has a signalized at-grade crossing on Hwy 22. Indian Springs Drive access to Hwy 22 is closed. Indian Springs Drive uses an underpass to access the Coyote Canyon Road frontage on the north side of Hwy 22 to the signalized intersection.	•	•	•	•	•	•	•	0	•	٠	•	0	•
	I-N9	Coyote Canyon Road and Indian Springs Drive existing accesses to Hwy 22 are closed. An underpass is built to connect Coyote Canyon Road and Indian Springs Drive. Traffic uses a frontage road on the north side of the highway to access the Tribal Trail Road Hwy 22 interchange.	•	•	•	•	•	0	0	•	•	٠	0	0	•
	I-N11	Tribal Trail Road has signal intersection on HWY 22. Coyote Canyon Road and Indian Springs Drive would remain the same.	•	•	•	•	•	0	•	•	•	•	•	•	•
	I-N17	Tribal Trail Road has an east bound right-on, right-off ramp and Hwy 22 underpass to connect traffic to Coyote Canyon Road. Existing access at Coyote Canyon Road is closed. West bound traffic would utilize right-on, right-off ramps near the Tribal Trail Road underpass. Existing access at Indian Springs Drive is closed. Indian Springs traffic would use an underpass to access Tribal Trail access points.	•	0	•	•	0	0	•	•	0	•	0	0	0
h tion ns	I-S1	Four way stop signs at Boyles Hill Road													
South Intersectic Options	I-S2 I-S3	Roundabout Roadway alignment of Boyles Hill Road is shifted, as a visual cue that													
	I-S3	a stop sign is ahead.		0	•				•	0					•
Trail Rd.	T-E1	Existing roadway typical from S. Park Loop road to the Shepherd of the Mountains Lutheran Church. Lanes are 12-foot wide with 5-foot shoulders.	•	0	•	•	\circ	•	•	٠	•	•	•	•	•
of Tribal	T-E2	Existing roadway typical from Church of Christ to Cherokee Lane. Lanes are 12-foot wide with 5-foot shoulders. Pathway is on the east side of Tribal Trail Road.	•	0	•	•	•	0	0	٠	•	0	•	0	•
Built Section	T-A1	Lanes are 11-foot wide with 5-foot shoulders. Pathway on the east side of Tribal Trail. 20 feet of snow storage between Tribal Trail and pathway.	•	•	•	•	0	0	•	•	•	•	•	•	•
tions: Bu	T-A2	Lanes are 11-foot wide with 5-foot shoulders with a median. Pathway on the east side of Tribal Trail. 10 feet of snow storage between Tribal Trail and pathway.	•	•	•	•	•	•	•	•	•	0		0	•

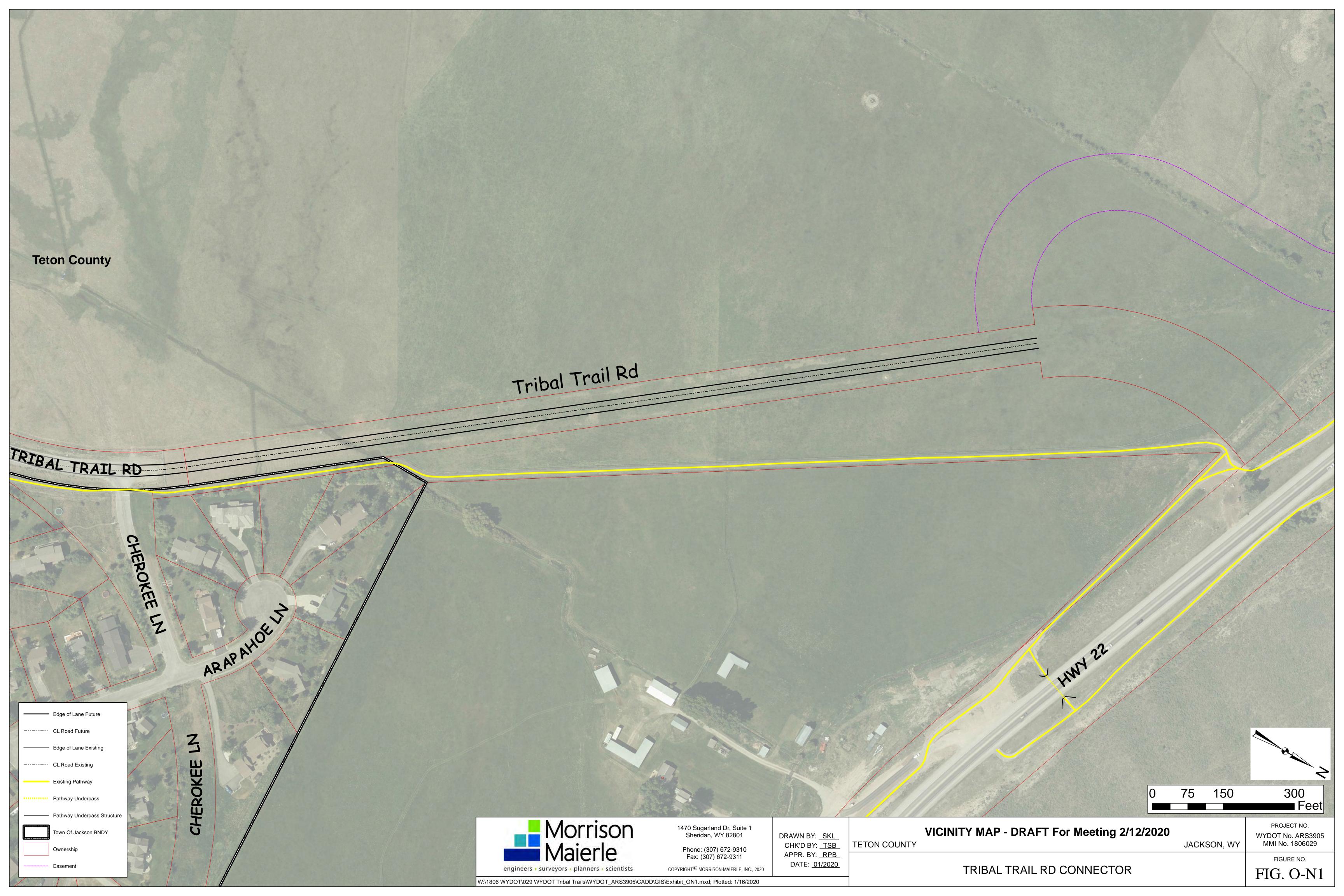
Tribal Trail Study Status Update Attachment C

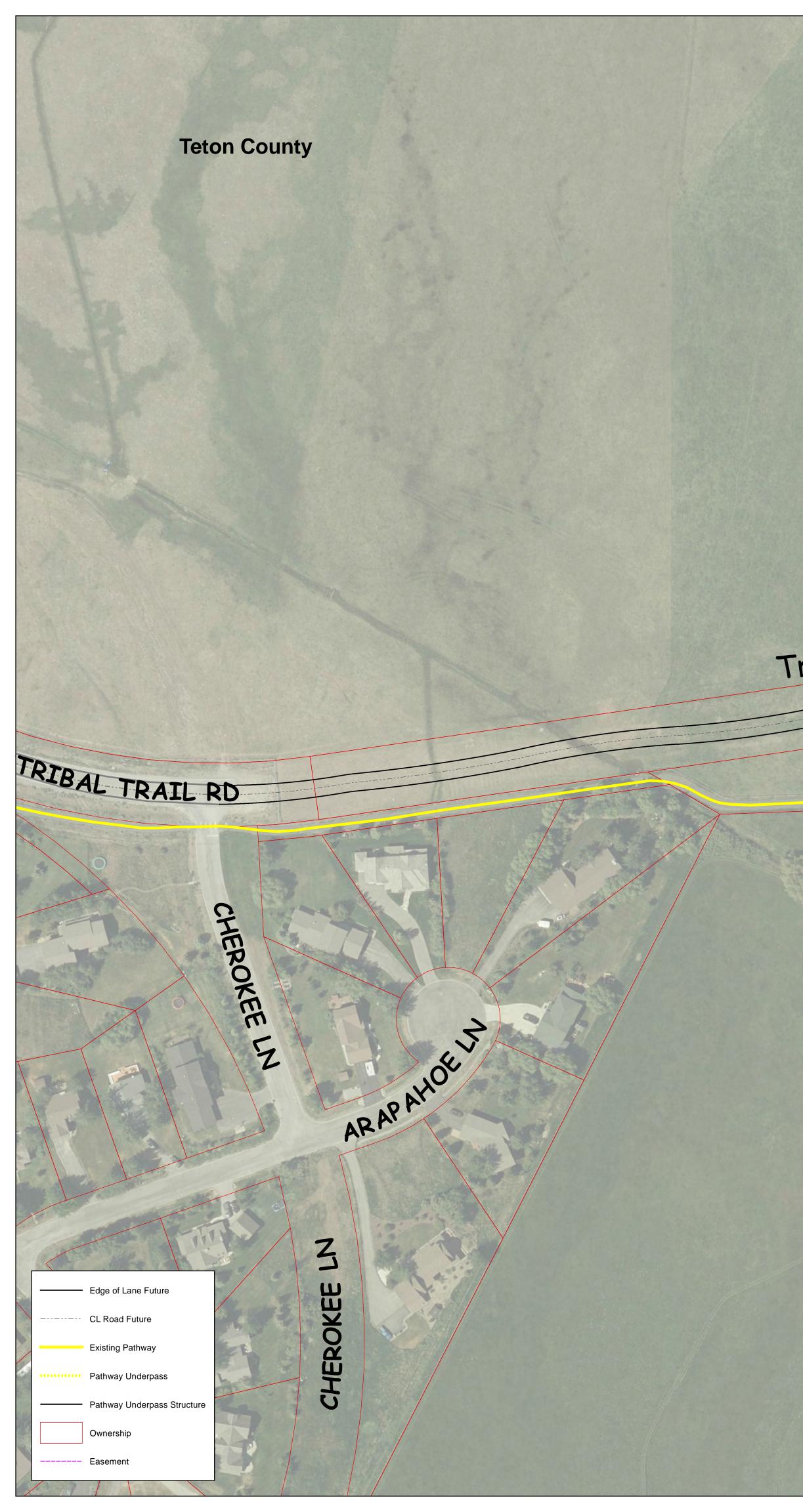
				Purpos	se and Need Screen	ing				P	roject Objective Scr	eening			
		Description of Alternative	Provide travel redundancy?	Reduce VMT associated with circuitous routing of traffic?	Reduce local trips through the Y intersection?	Improve emergency response?	Provide improved multi-modal connections?	Minimize impacts to natural resources	Minimize impacts to the human environment	Minimize safety	Minimize private property impacts.	Provide more direct and efficient multi- modal routing	Be cost effective	Constructability	Maintenance
Cross-sec	т-АЗ	Lanes are 11-foot wide with 5-foot shoulders. Pathway on the west side of Tribal Trail. 20 feet of snow storage between Tribal Trail and pathway.	•	0	•	•	•	•	•	•	•	•	•	0	•
d Typical	T-A4	Lanes are 11-foot wide with 5-foot shoulders and median. Pathway on the west side of Tribal Trail. 10 feet of snow storage between Tribal Trail and pathway.	•	0	•	•	•	•	•	٠	•	٠	•	0	•
Propose	T-A5	Transitional area between Shepherd of the Mountains Lutheran Church and Lakota Lane. The existing pathway is on the east side of Tribal Trail, while the new pathway is on the west side.	•	•	•	•	•	0	•	•	•	٠	•	0	•
l Cross- ail Rd. on		Lanes are 11-foot wide with 5-foot shoulders. Pathway on the east side of Tribal Trail. 20 feet of snow storage between Tribal Trail and pathway.	•	•	•	•	•	•	•	•	•	٠	•	•	•
posed Typical Cr ons: Tribal Trail F New Alignment	T-B2	Lanes are 11-foot wide with 5-foot shoulders. Pathway on the west side of Tribal Trail. 20 feet of snow storage between Tribal Trail and pathway.	•	•	٠	•	•	0	•	•	•	٠		•	•
Propos sections: Net	т-вз	Lanes are 11-foot wide with 5-foot shoulders. Pathway outside of the ROW. This option can be used for either the straight roadway alignment or chicane alignment.	•	•	•	•	•	•	•	•	•	٠		•	•



Blue highlighting indicates a change from what was presented at Stakeholder Meeting #7 on 11/21/2019.

Attachment D Figures





Tribal Trail Rd (Chicanes)

Maintaining a minimum of 20 feet of clearance for snow storage on each side of the road



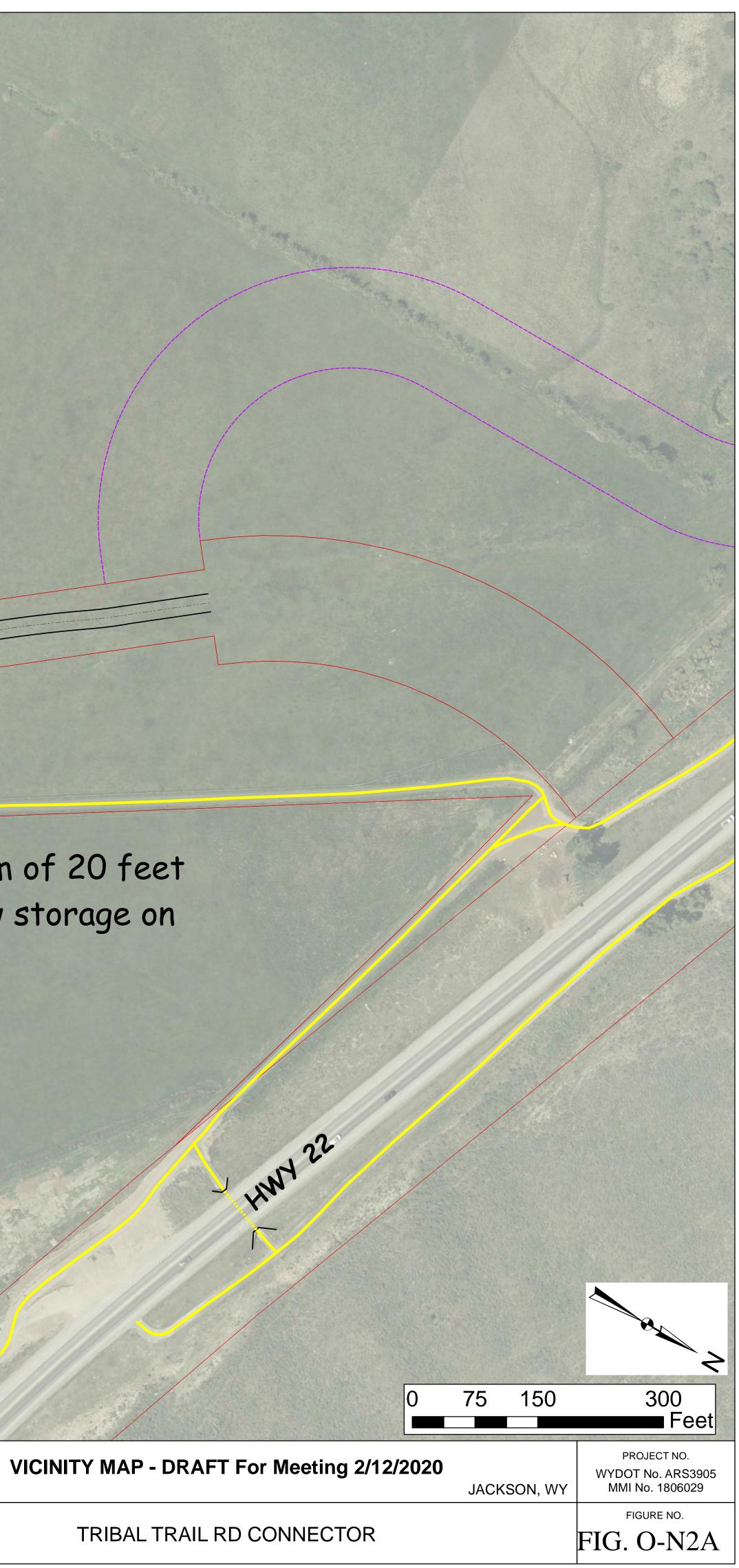
1470 Sugarland Dr, Suite 1 Sheridan, WY 82801 Phone: (307) 672-9310 Fax: (307) 672-9311

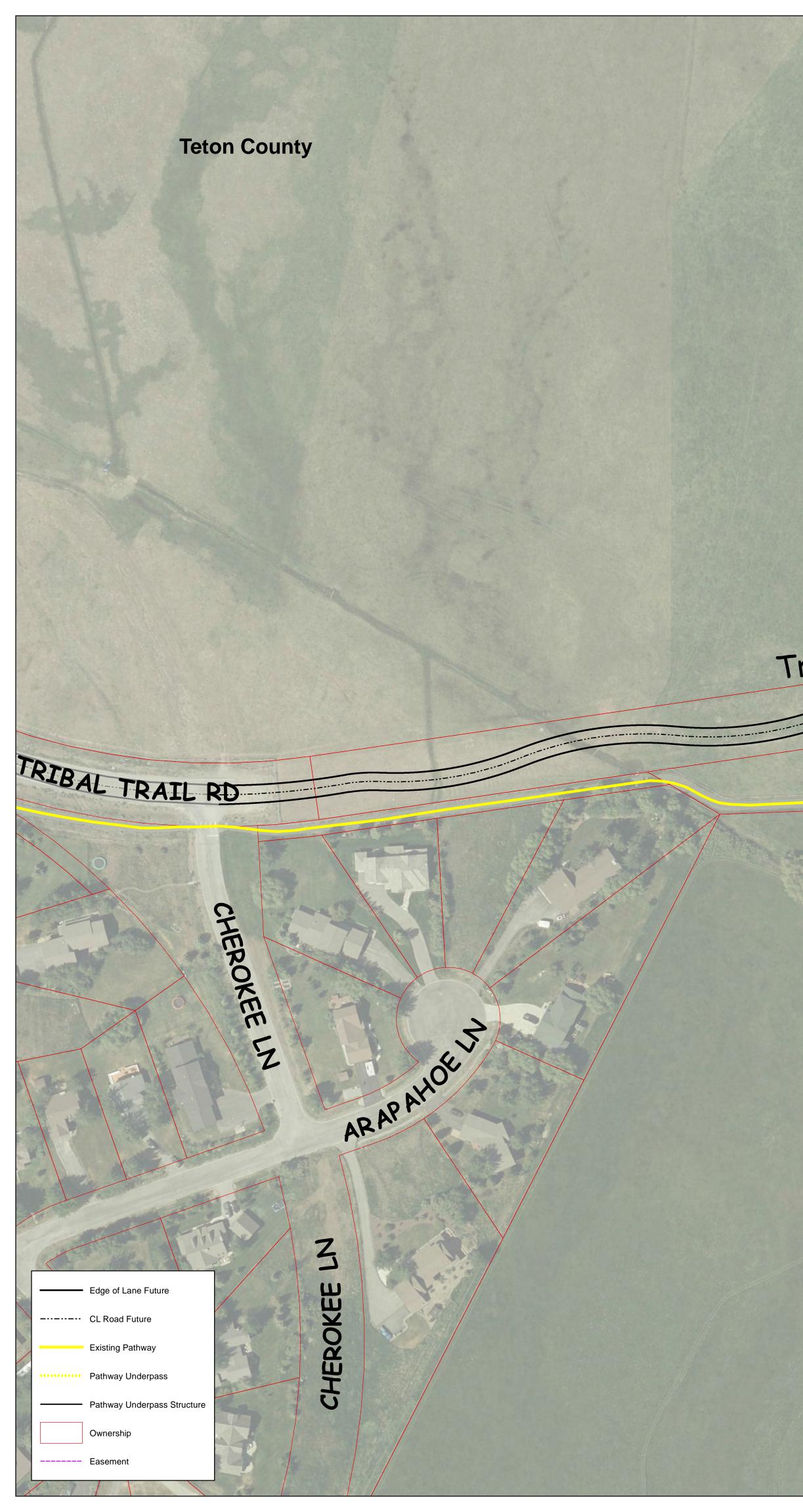
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TETON COUNTY

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Tribal Trail Rd (Chicanes)

Maintaining a minimum of 12 feet of clearance for snow storage on each side of the road



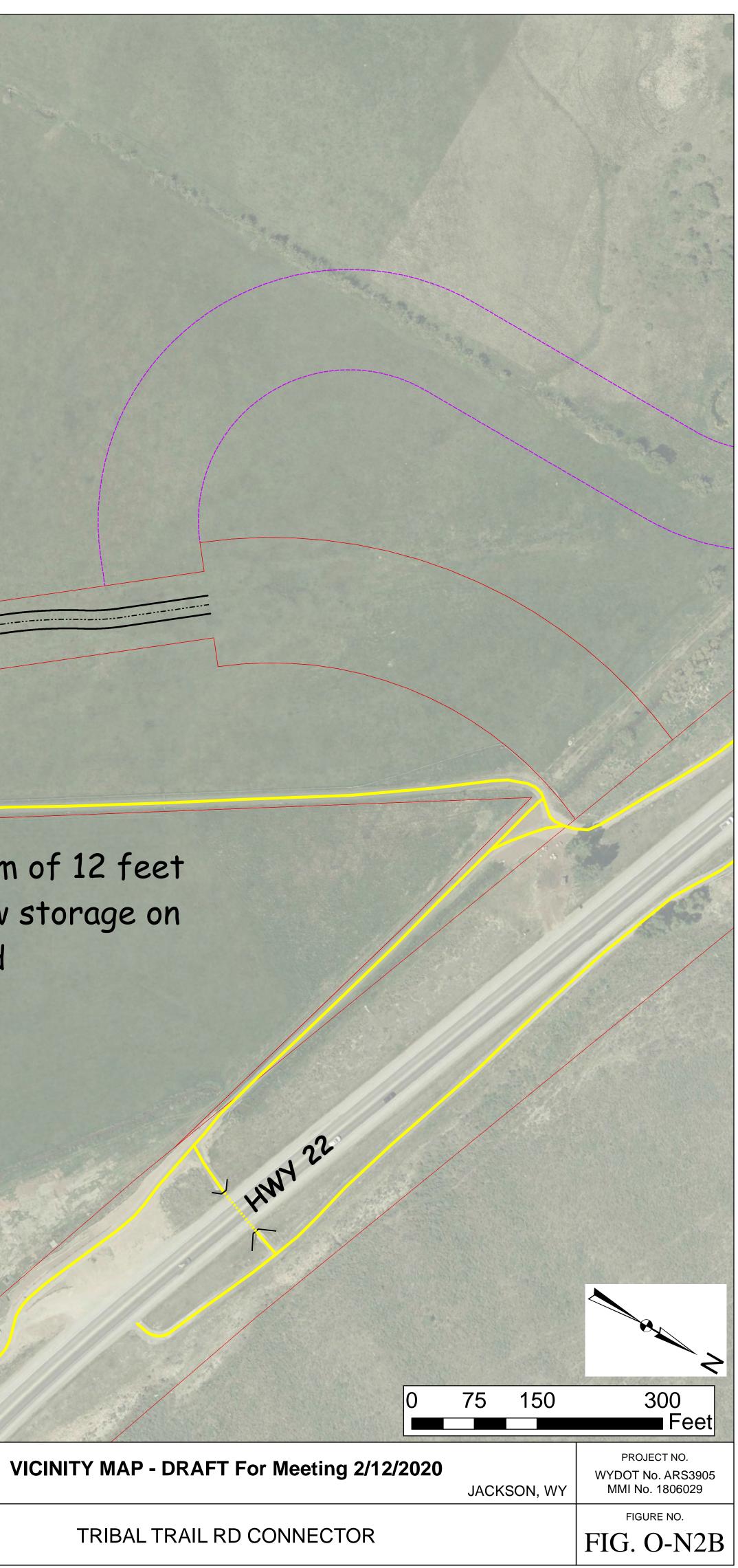
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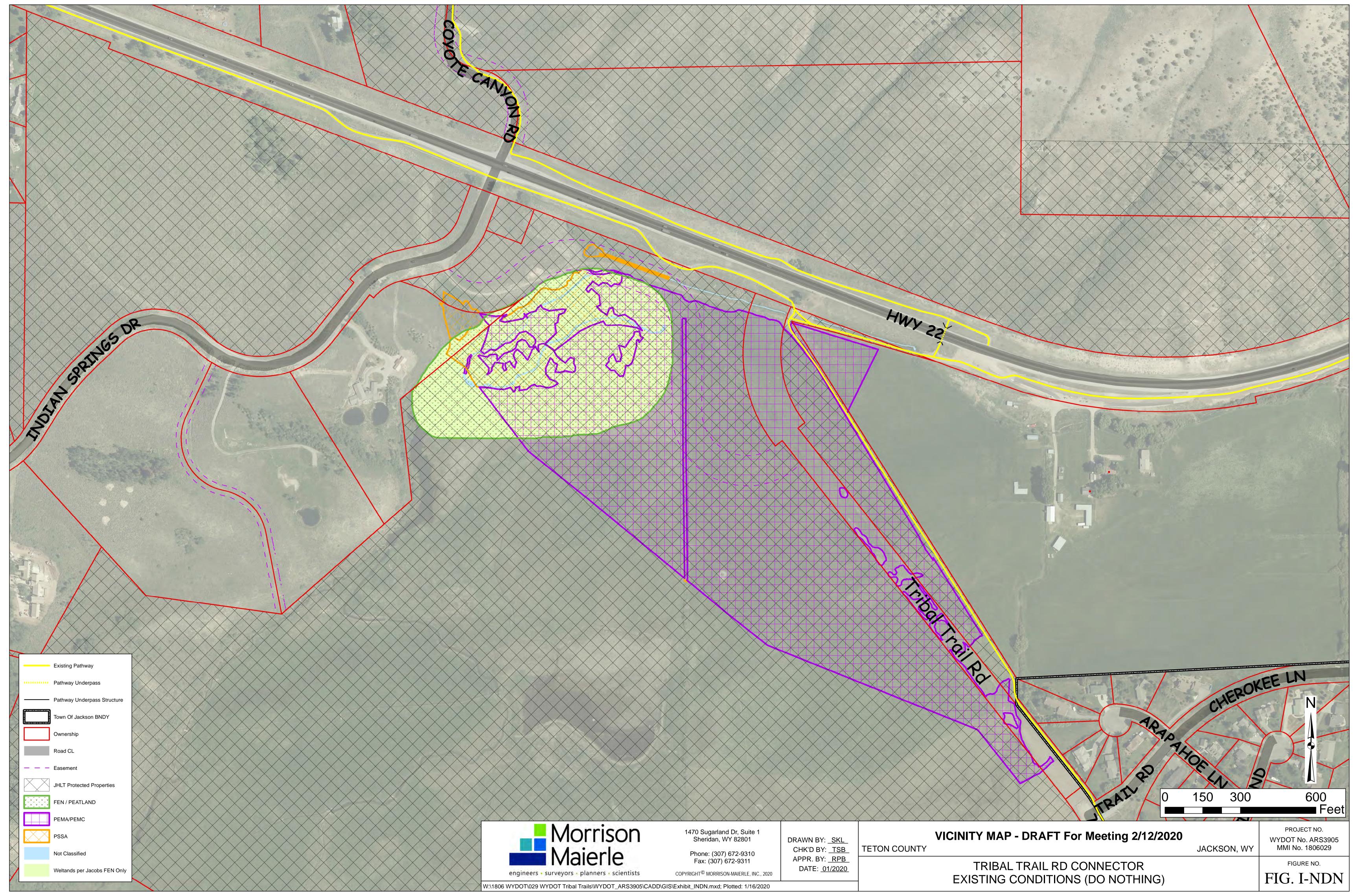
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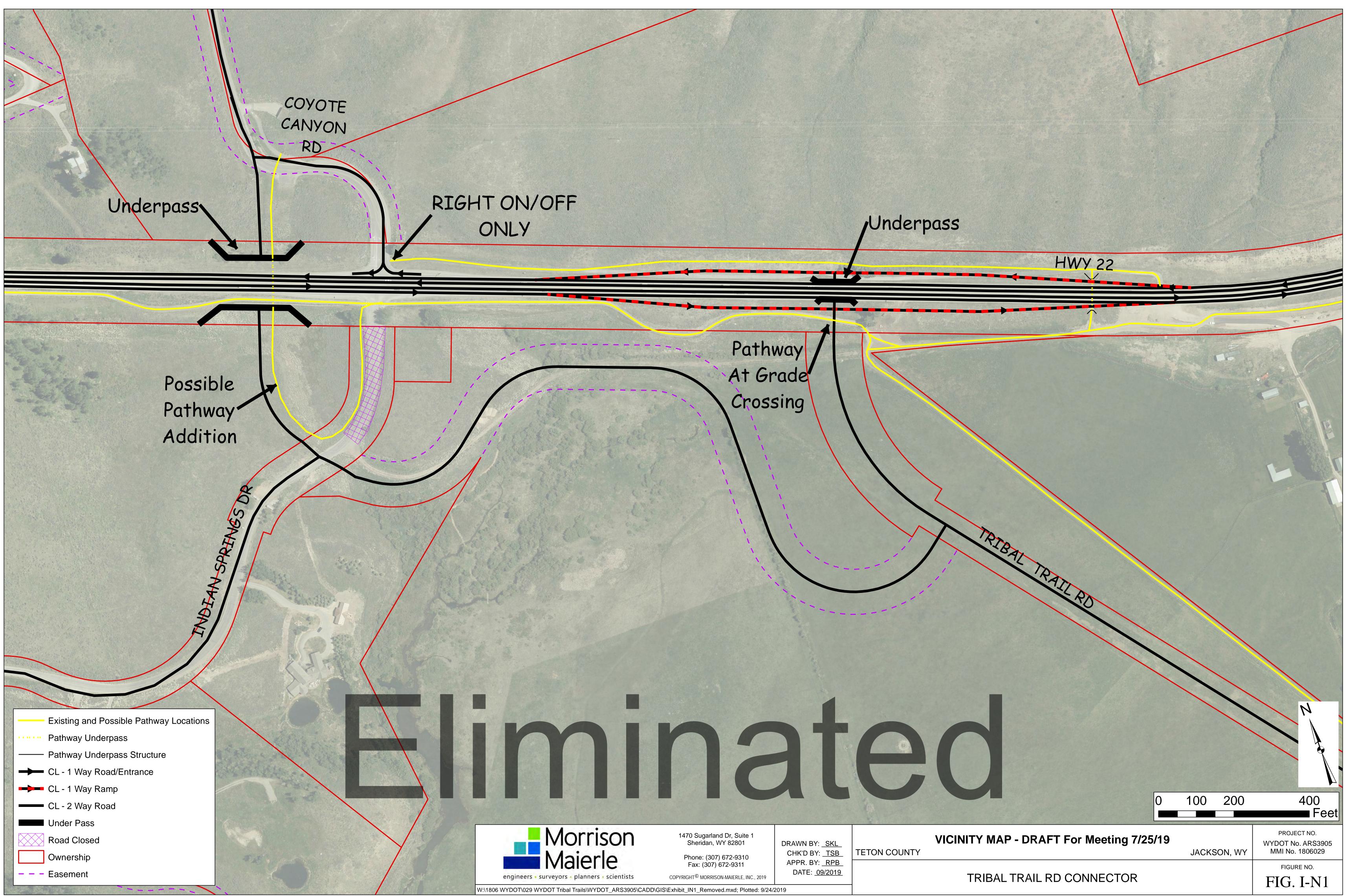
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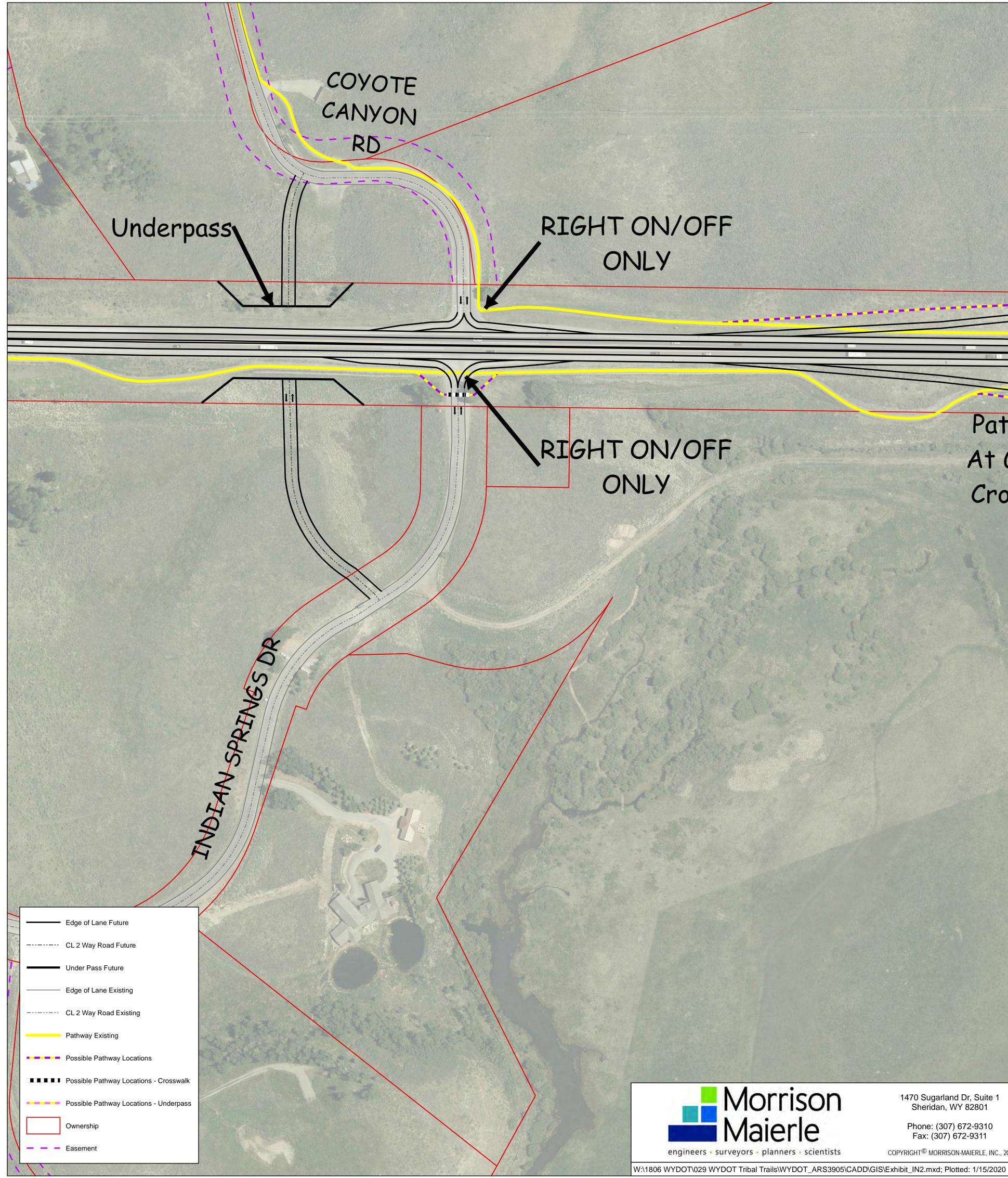
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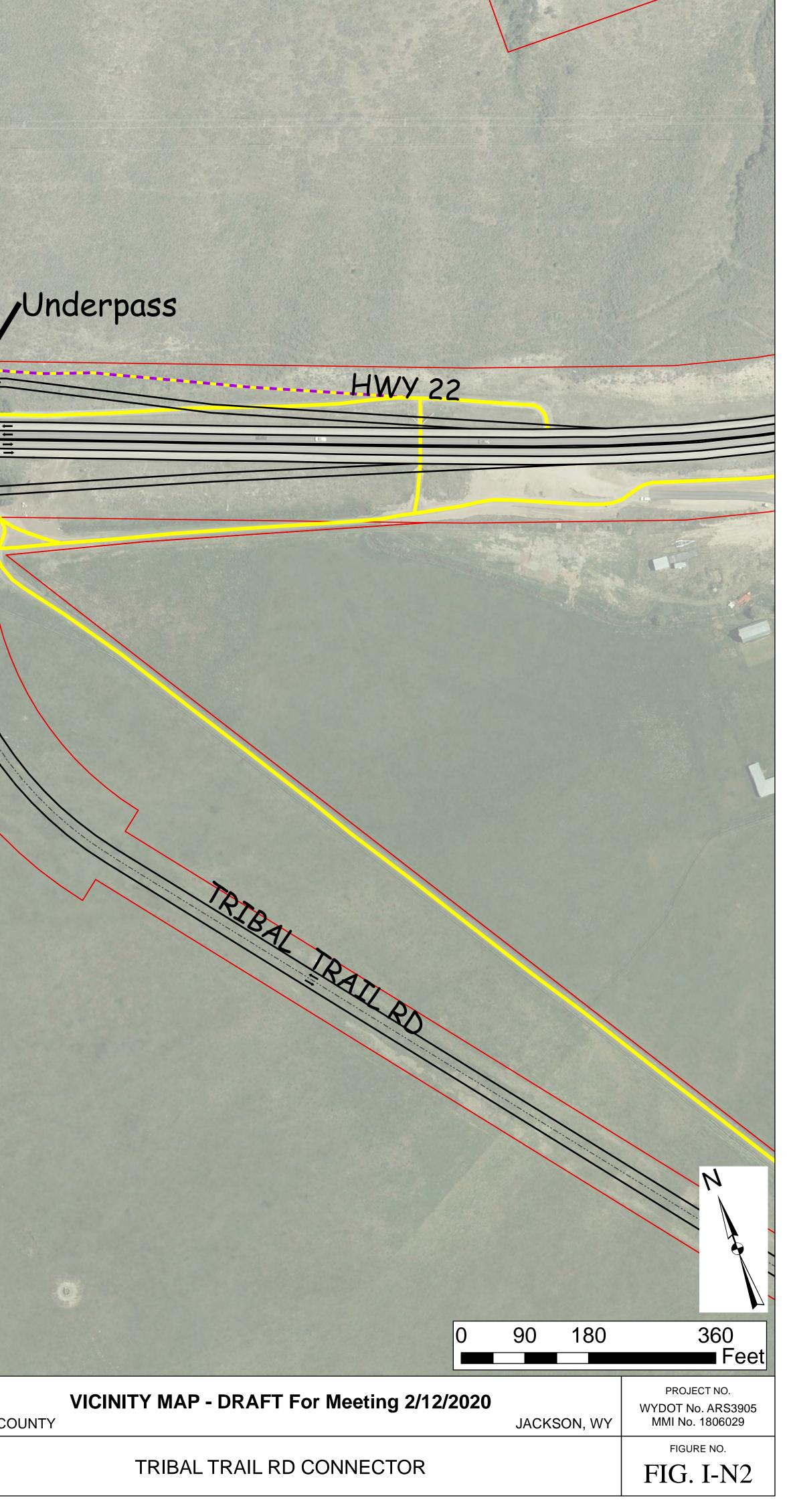
Pathway At Grade Crossing

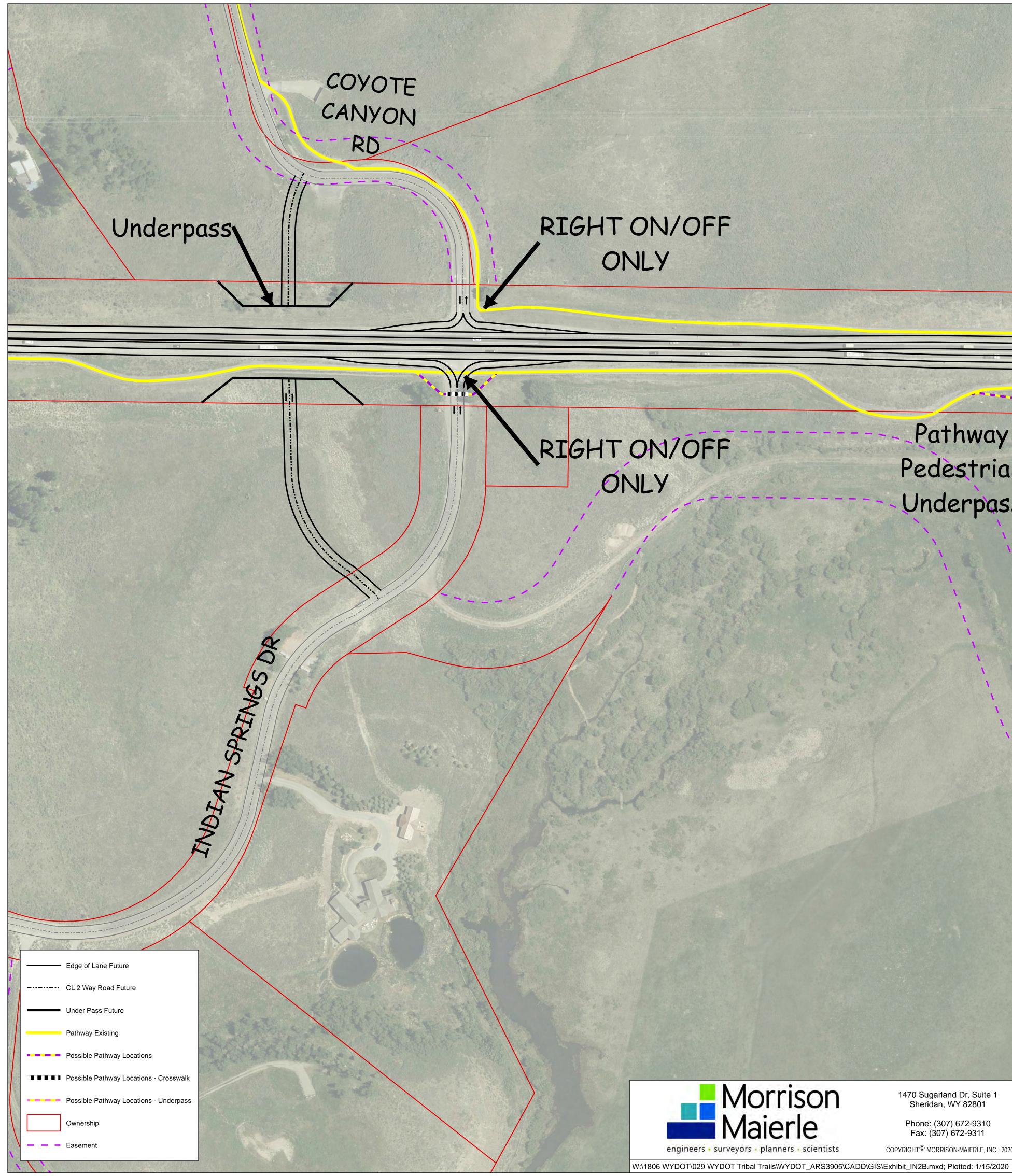
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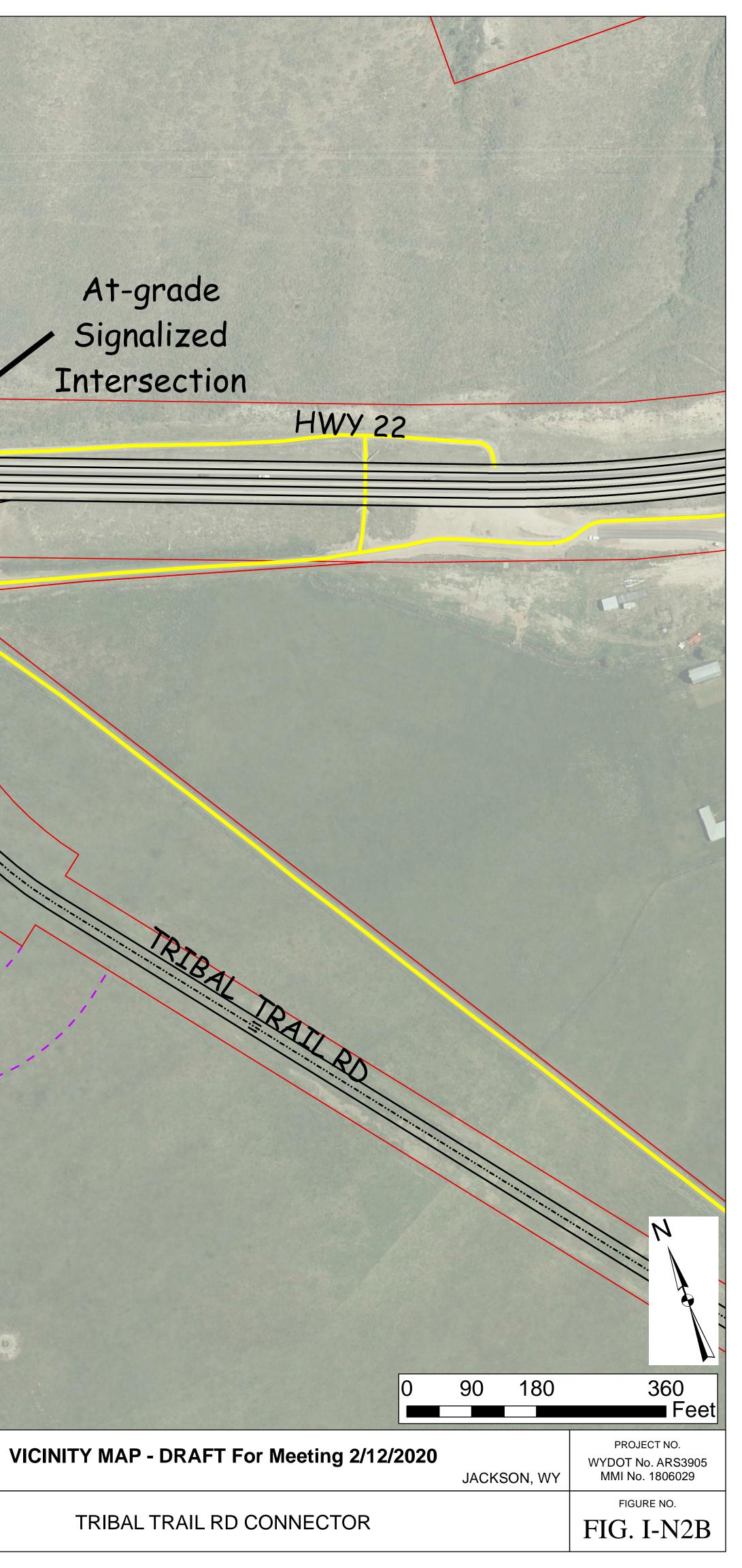
Pathway Pedestrian Underpass

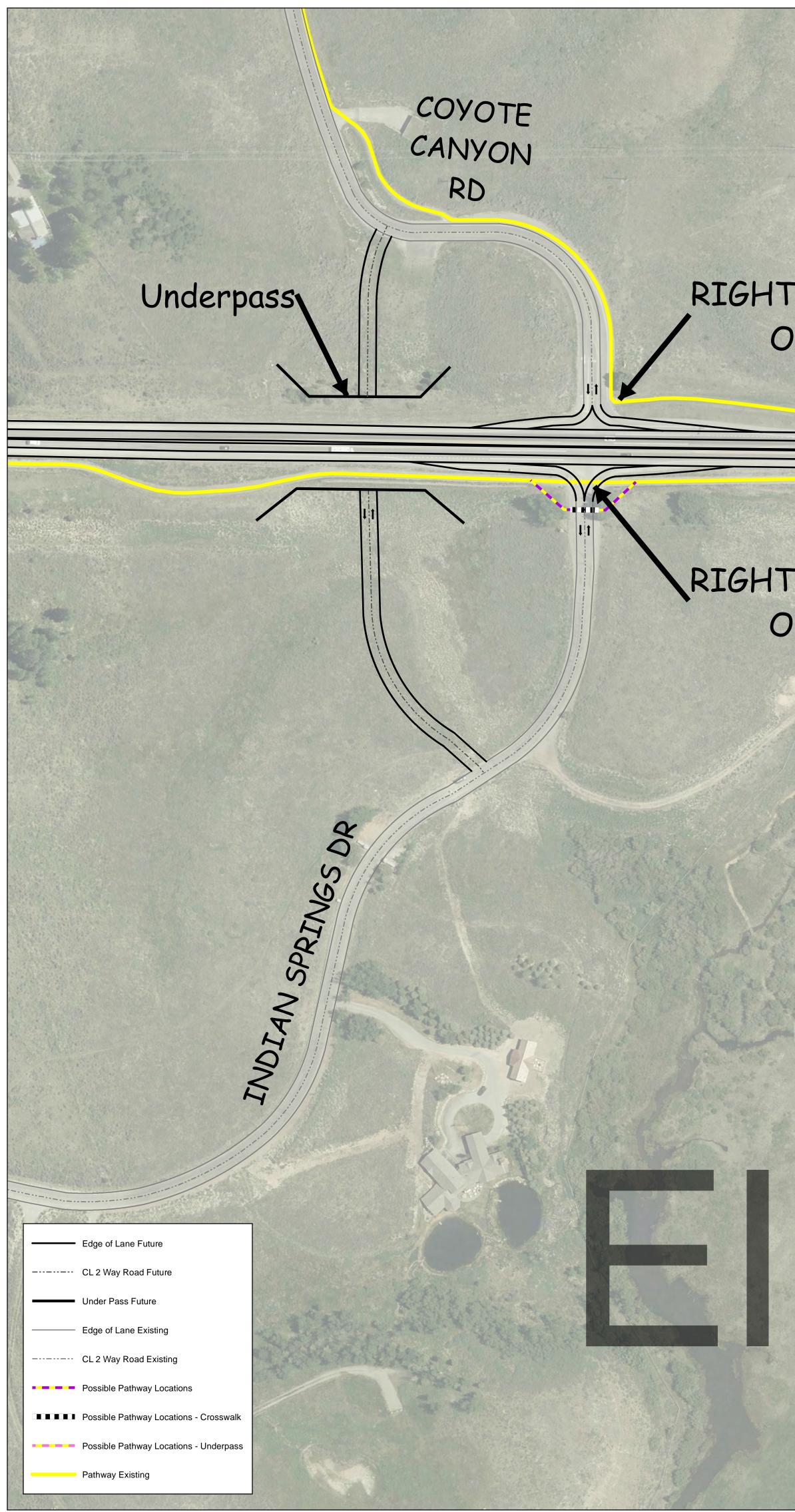
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TETON COUNTY





RIGHT ON/OFF ONLY

/Underpass

RIGHT ON/OFF ONLY

Pathway At Grade Crossing



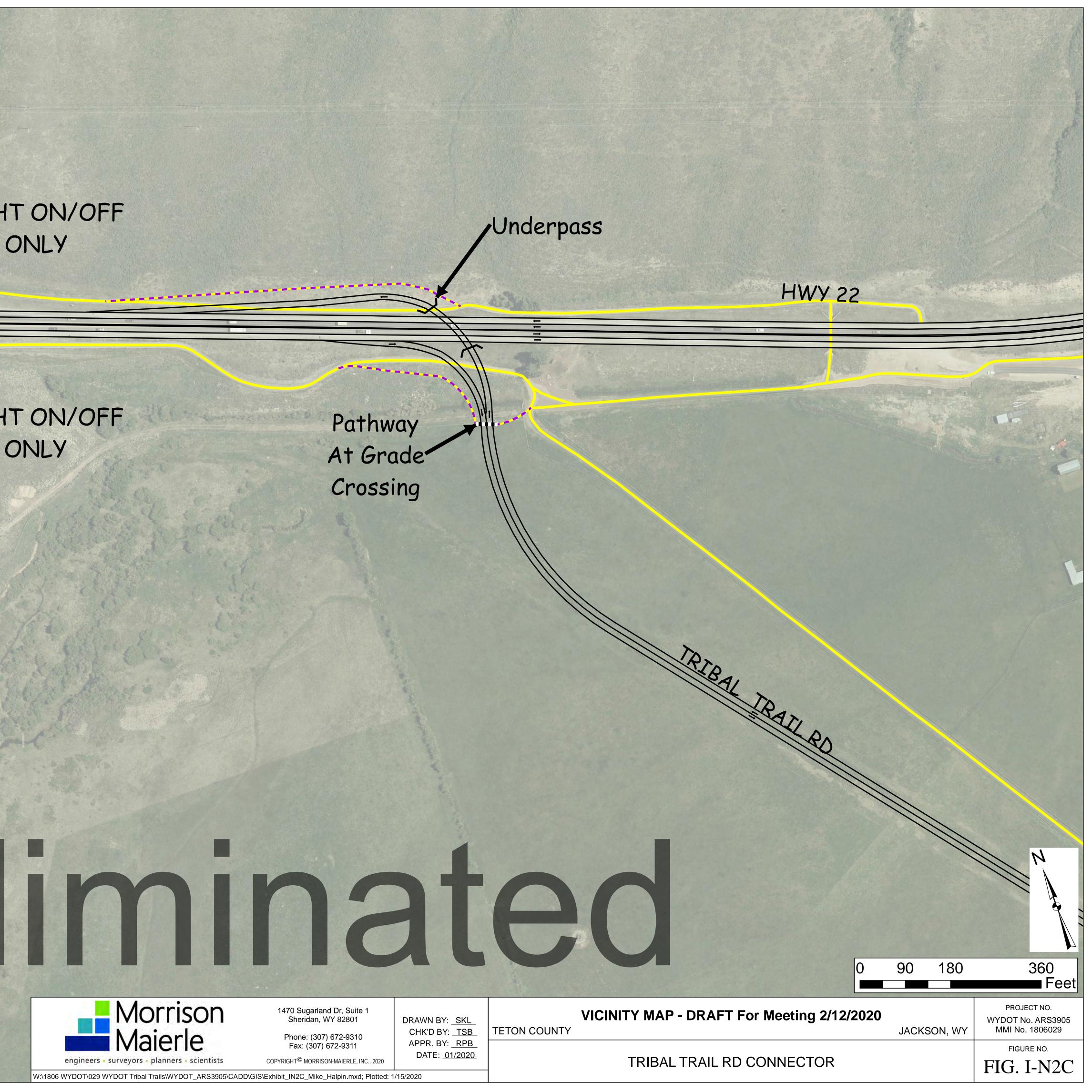
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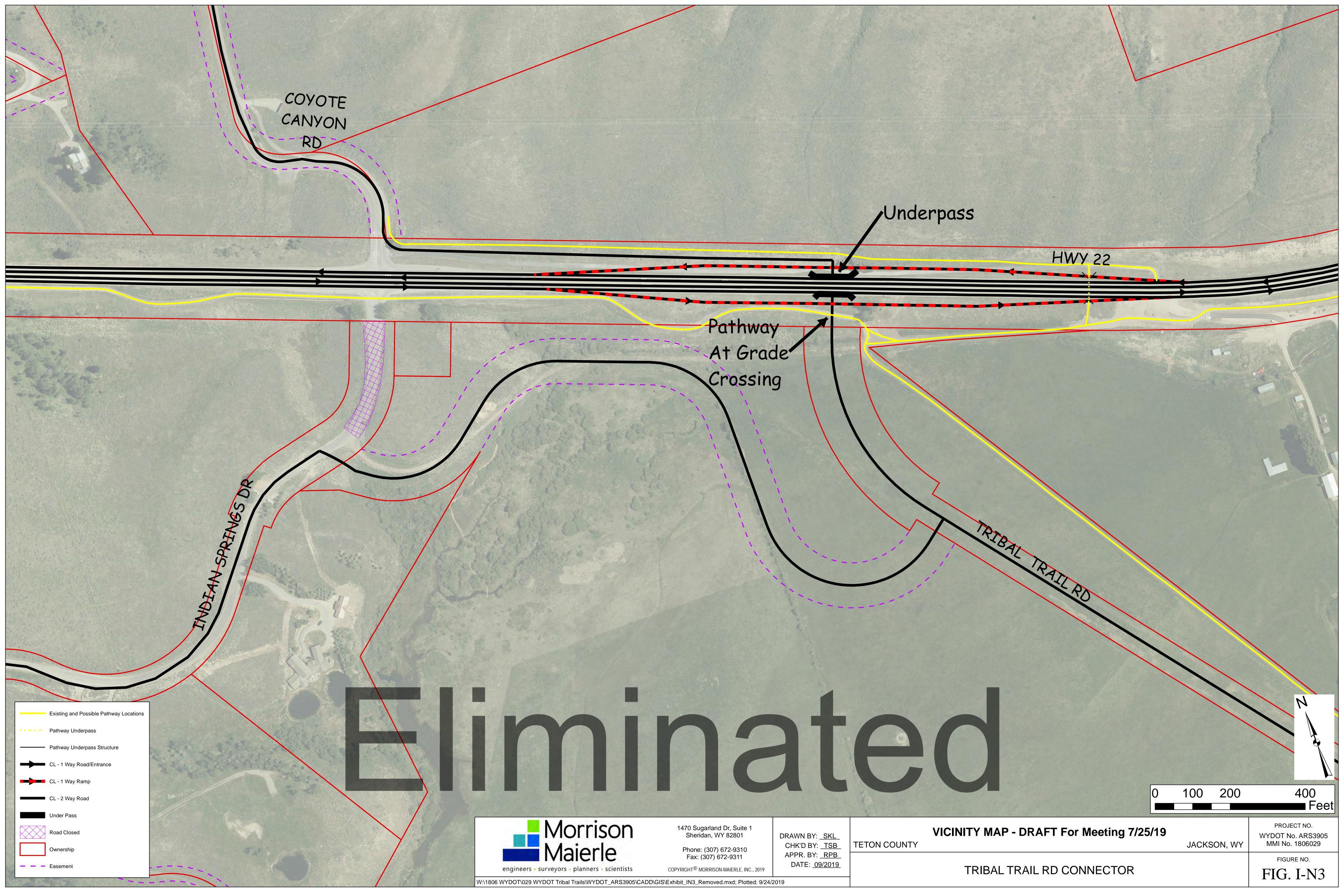
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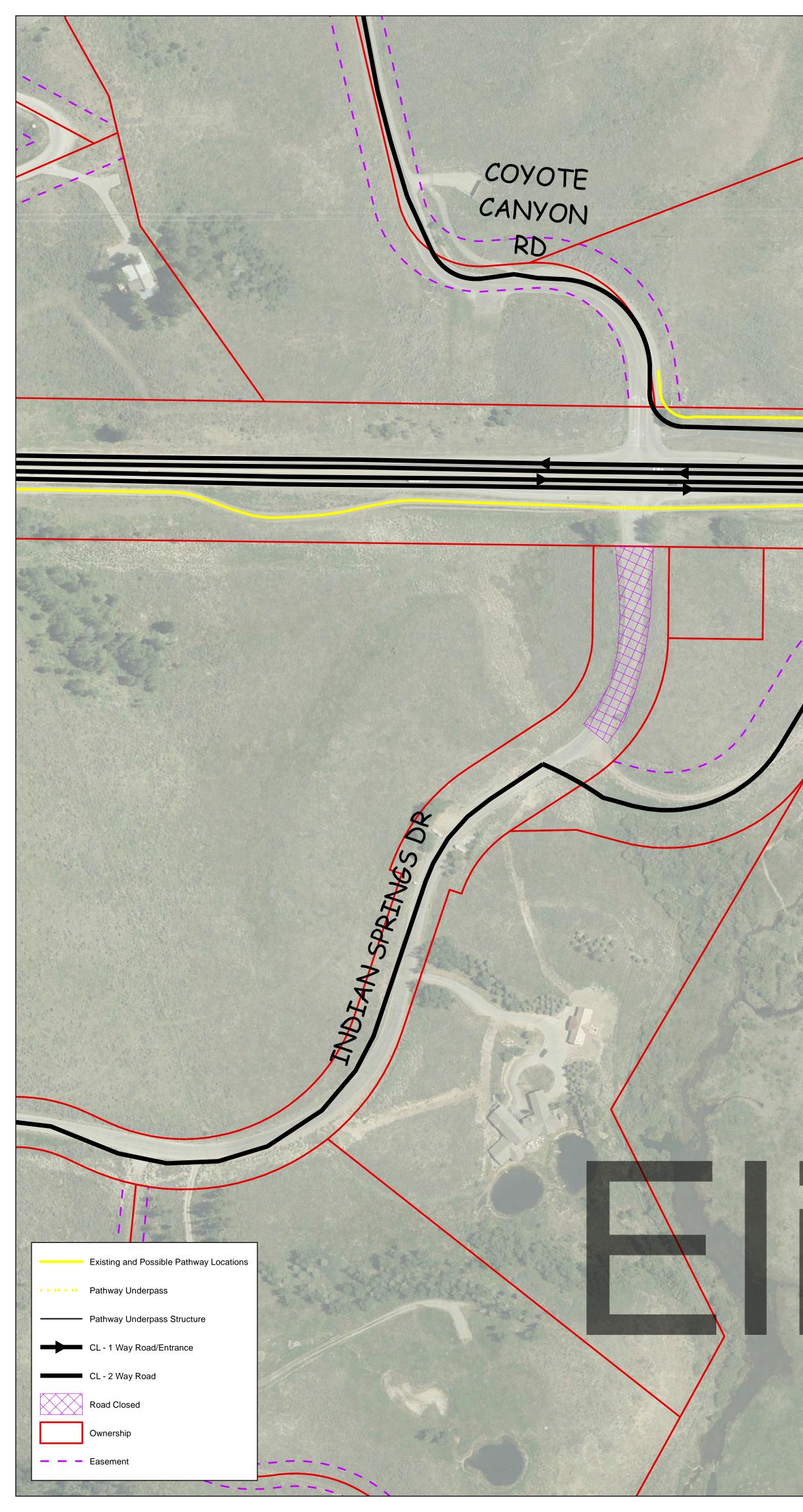
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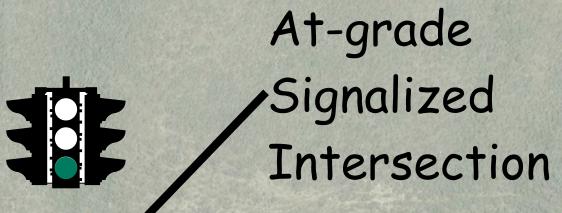
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Pathway At GradeCrossing or Pedestrian Underpass



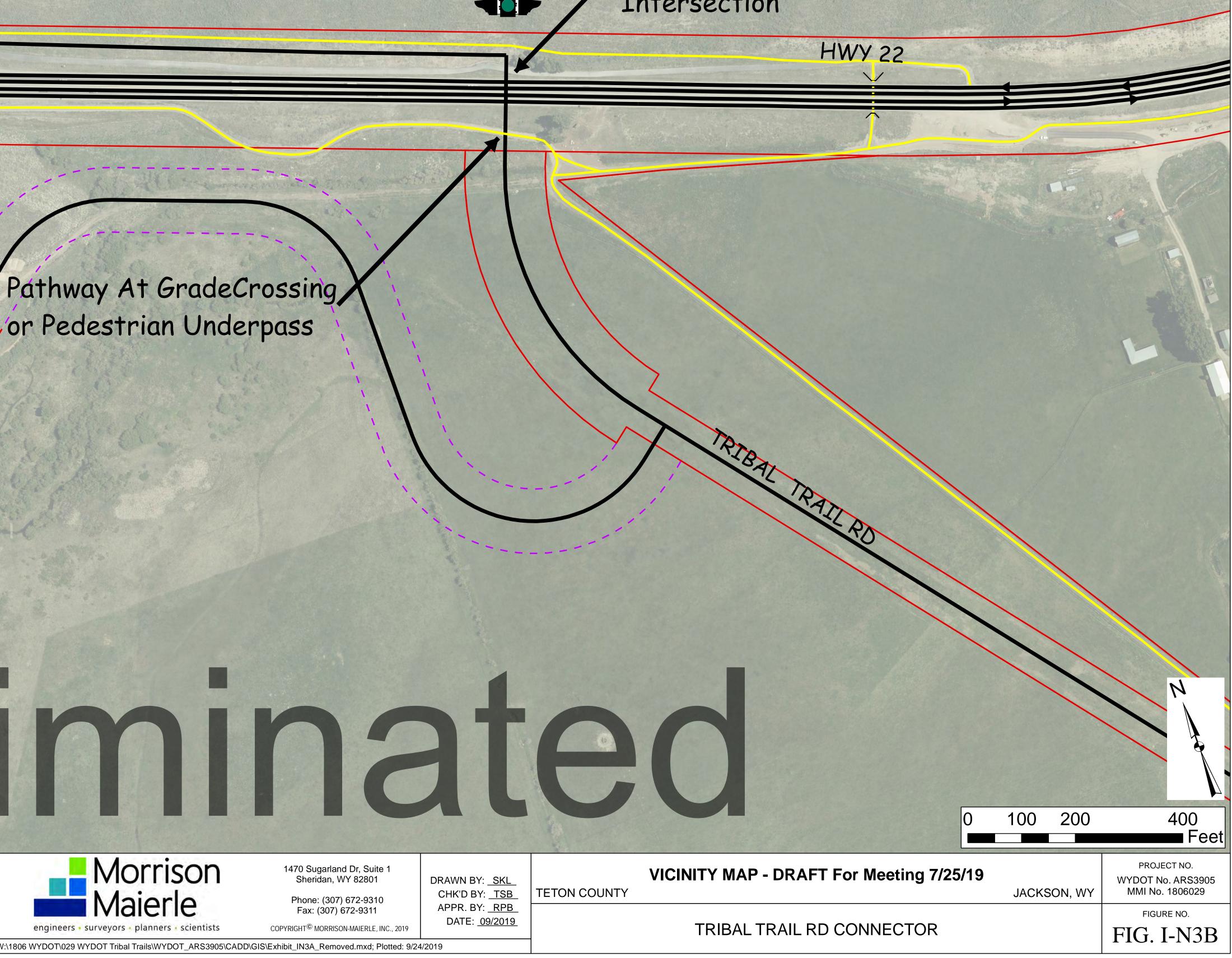
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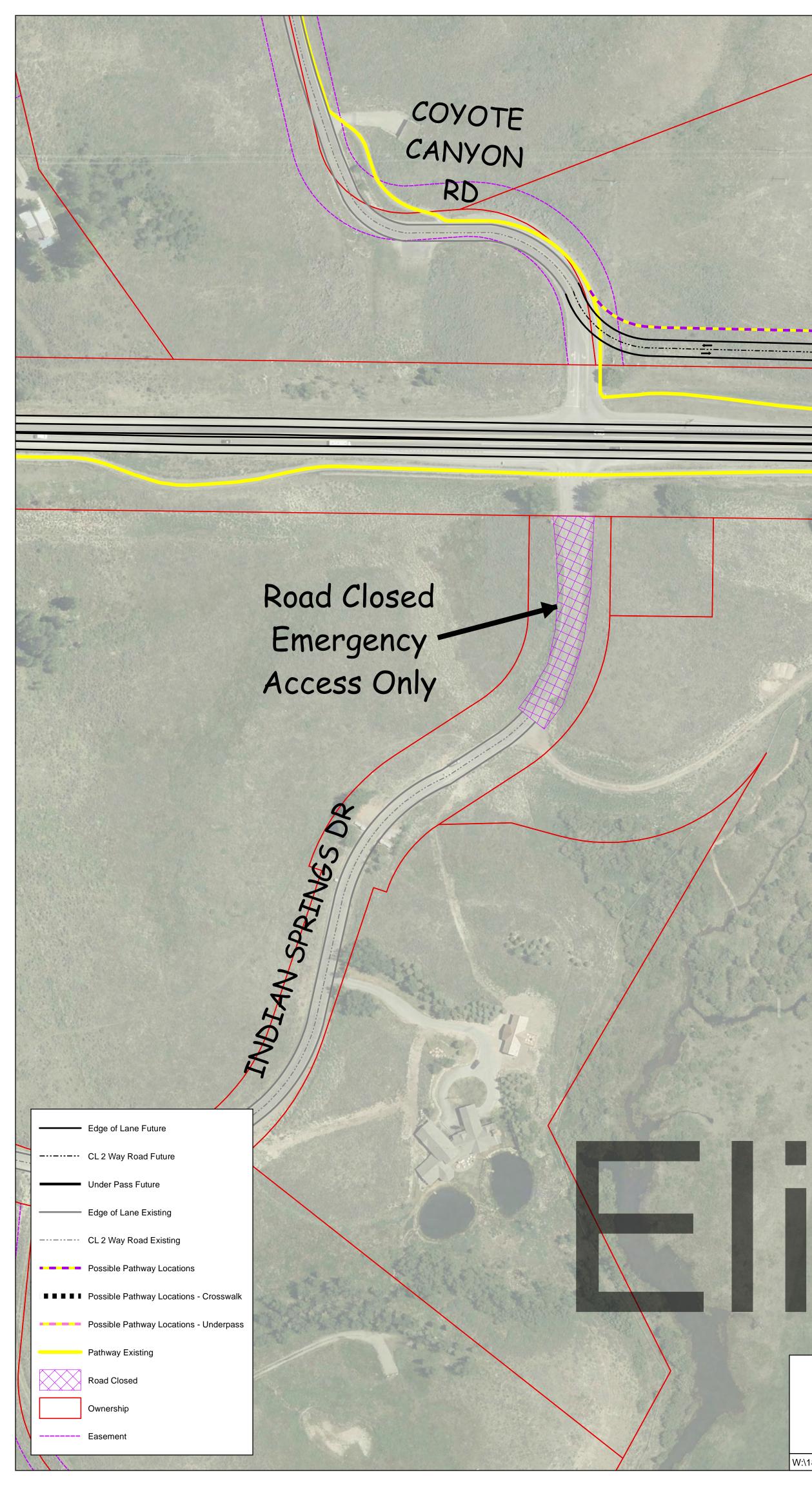
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Pathway At Grade Crossing

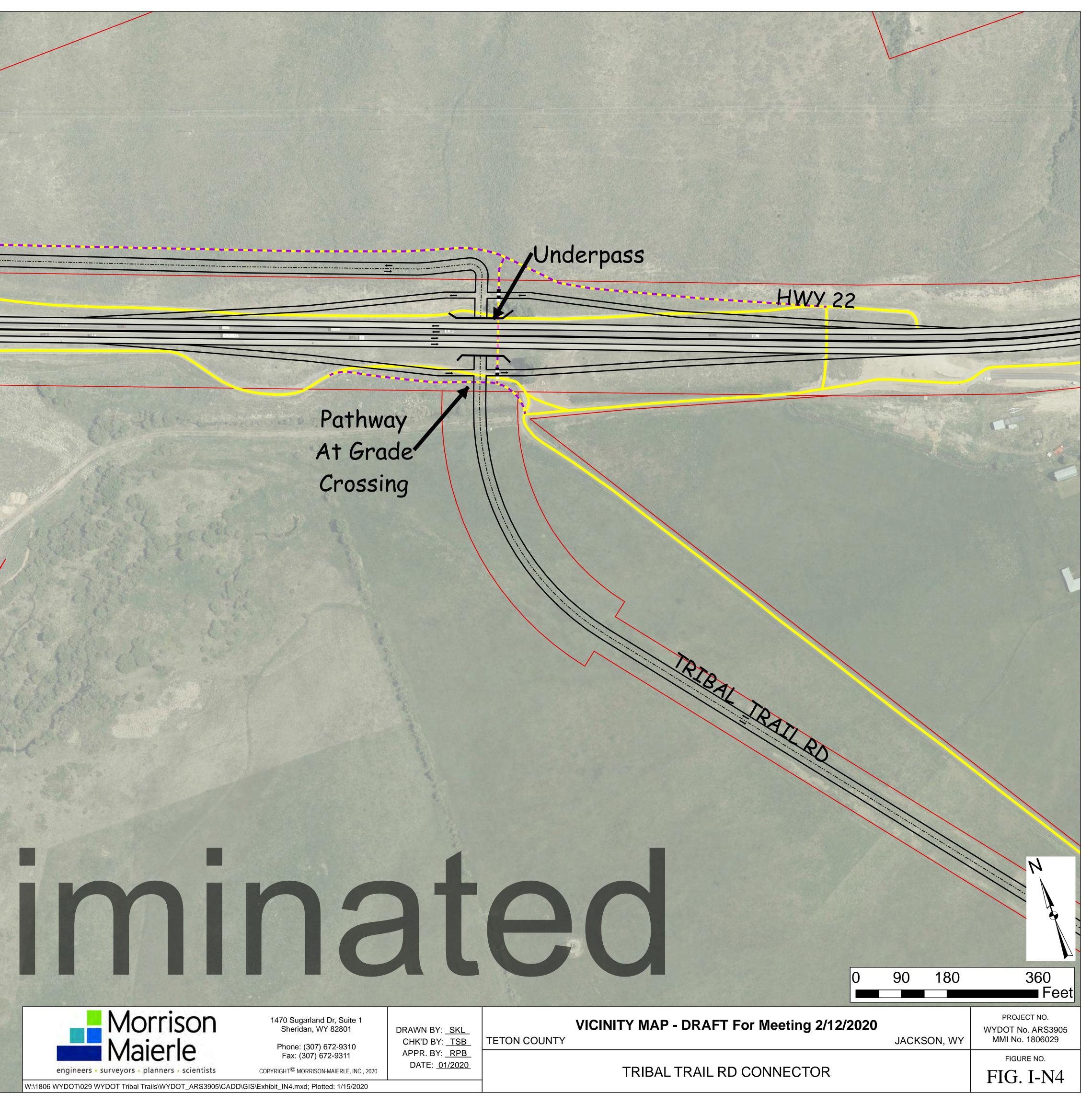


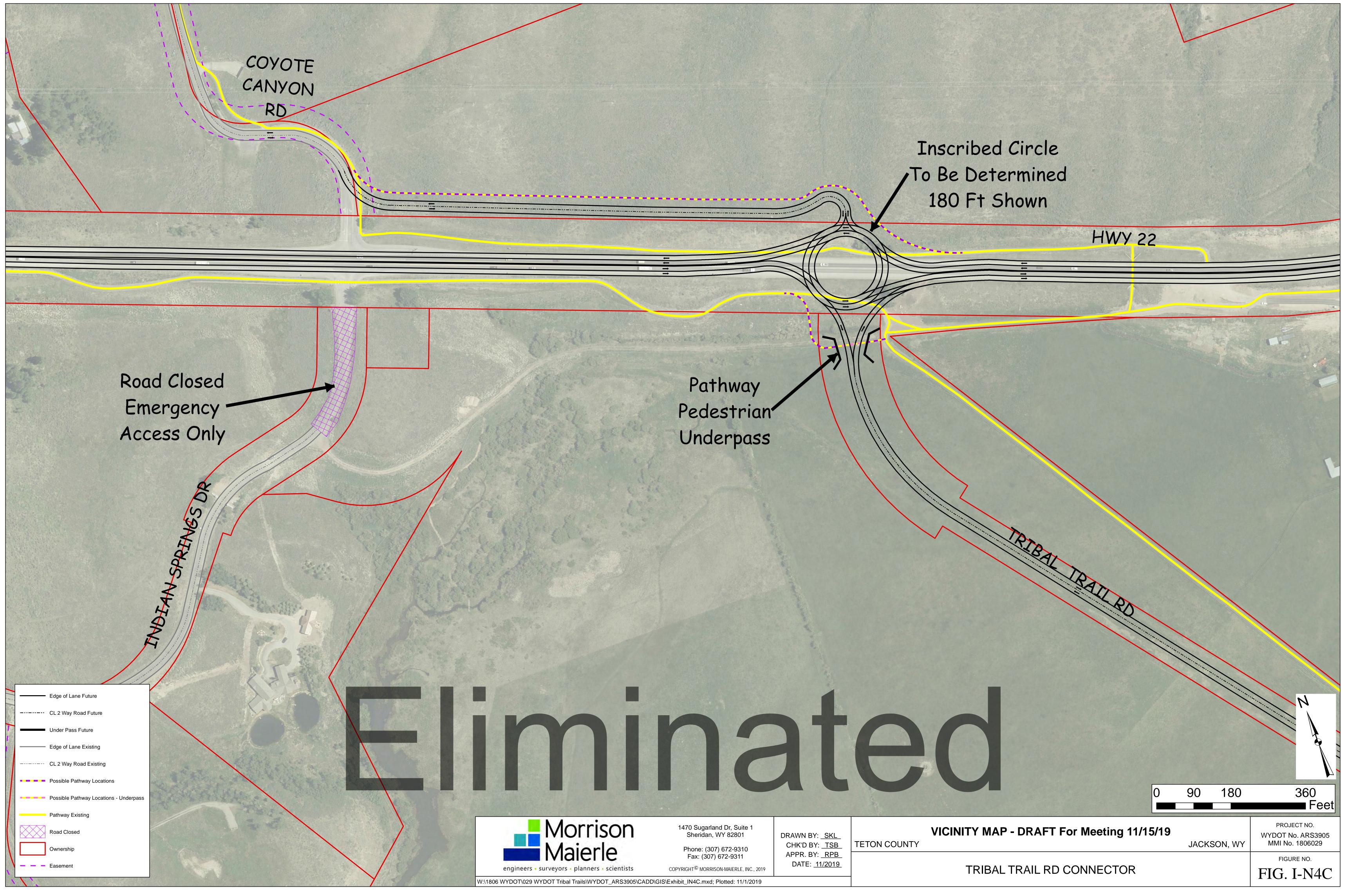
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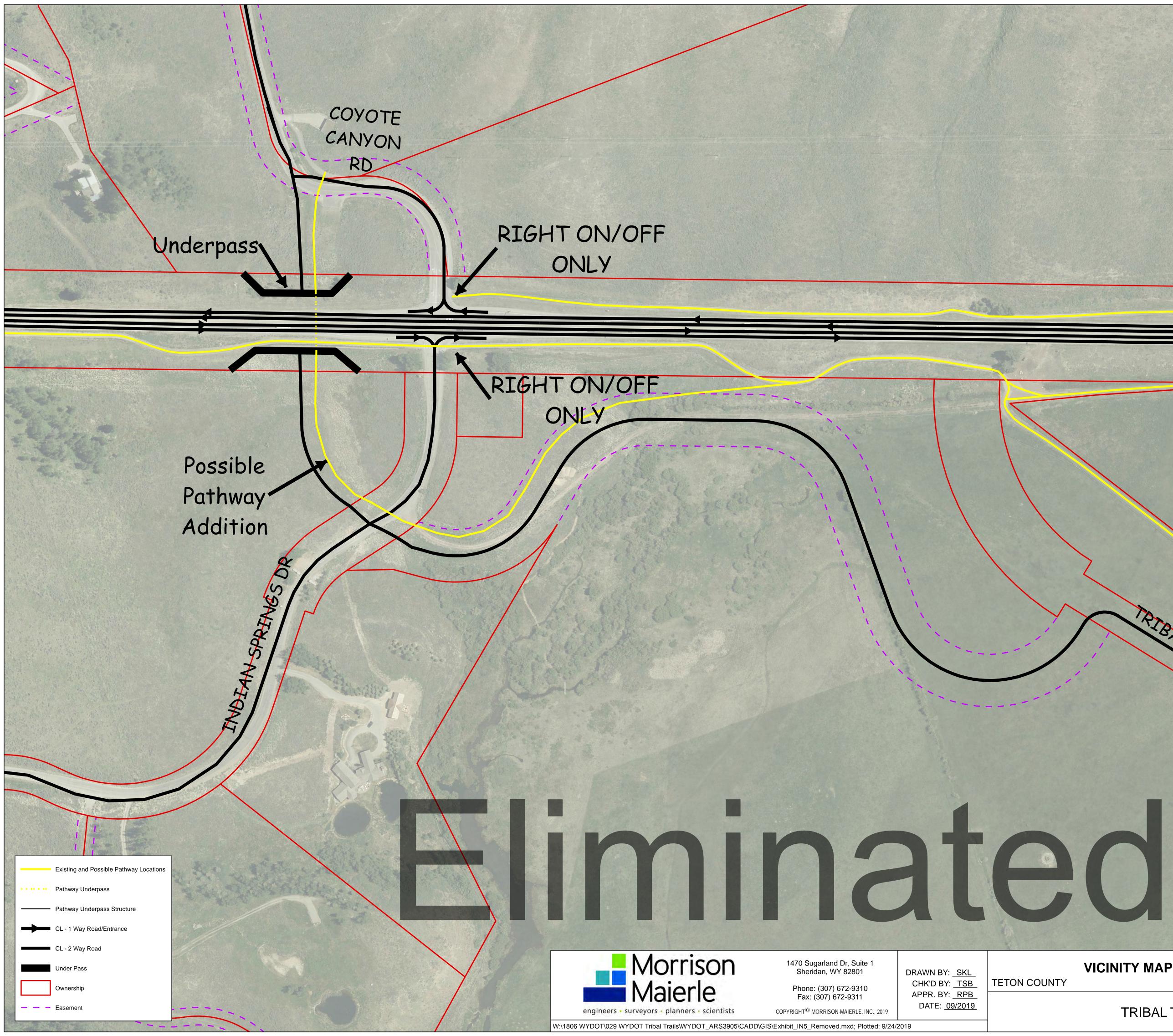
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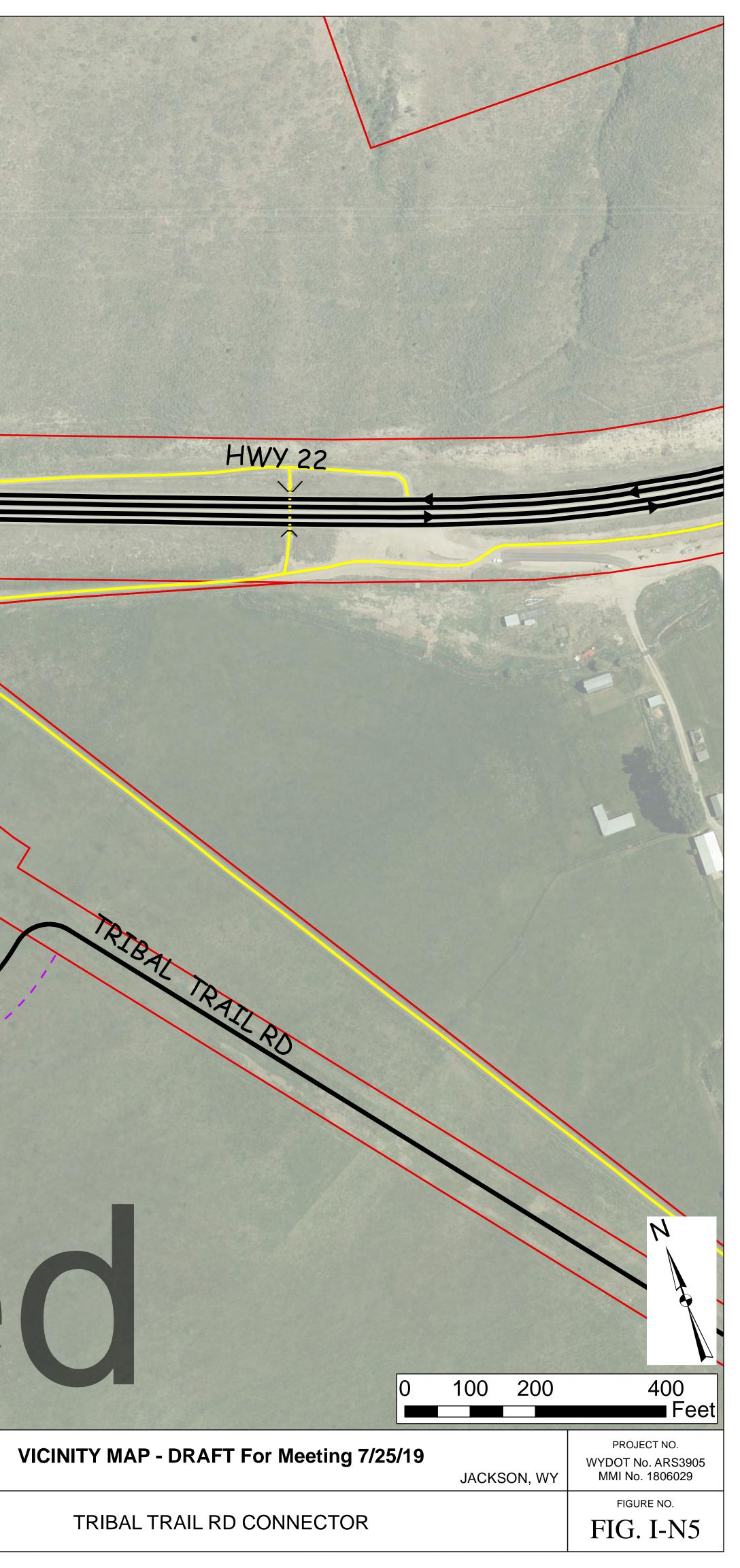


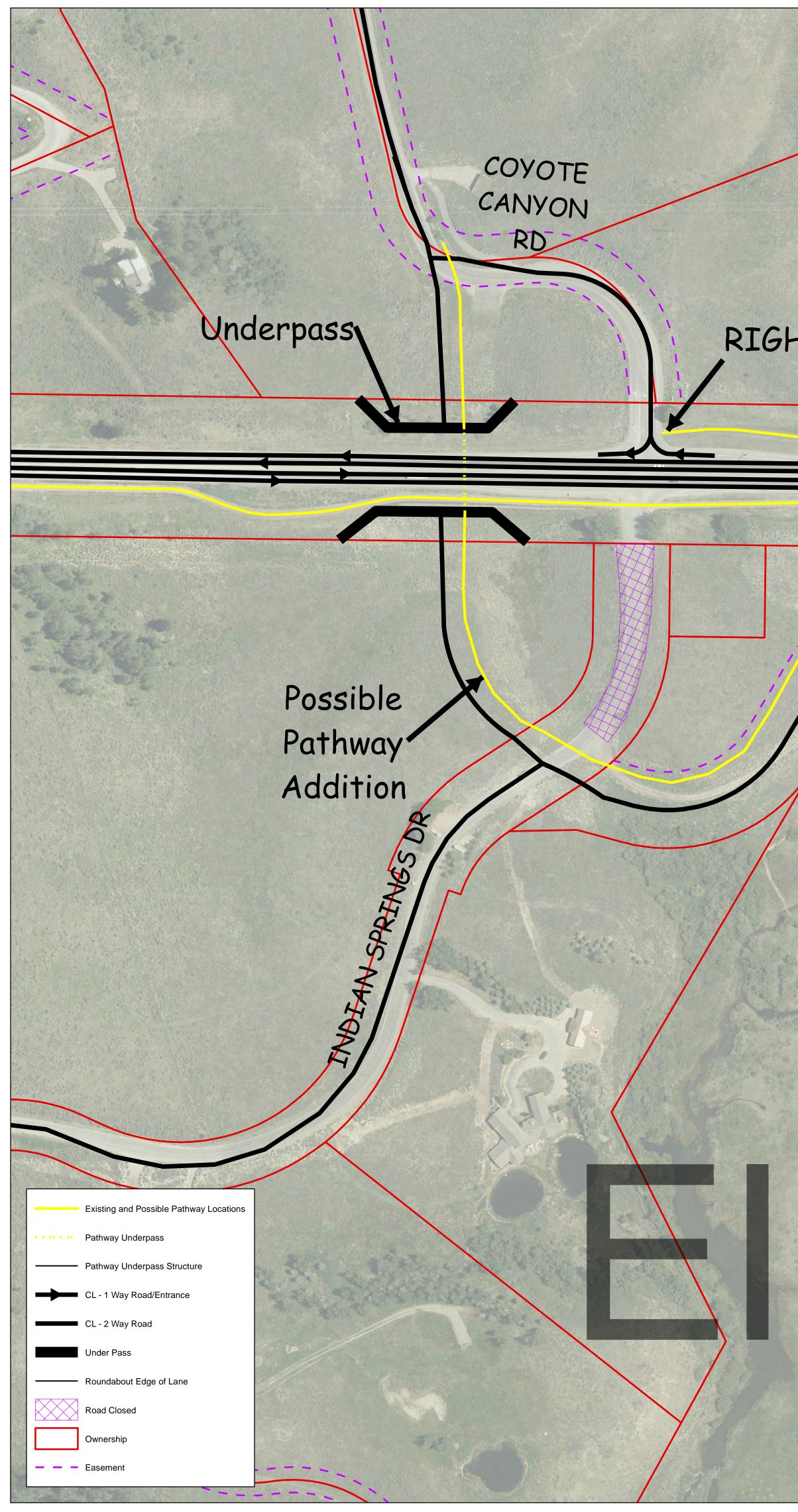
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RIGHT ON/OFF ONLY

Inscribed Circle To Be Determined 180 Ft Shown

Pathway At Grade Crossing



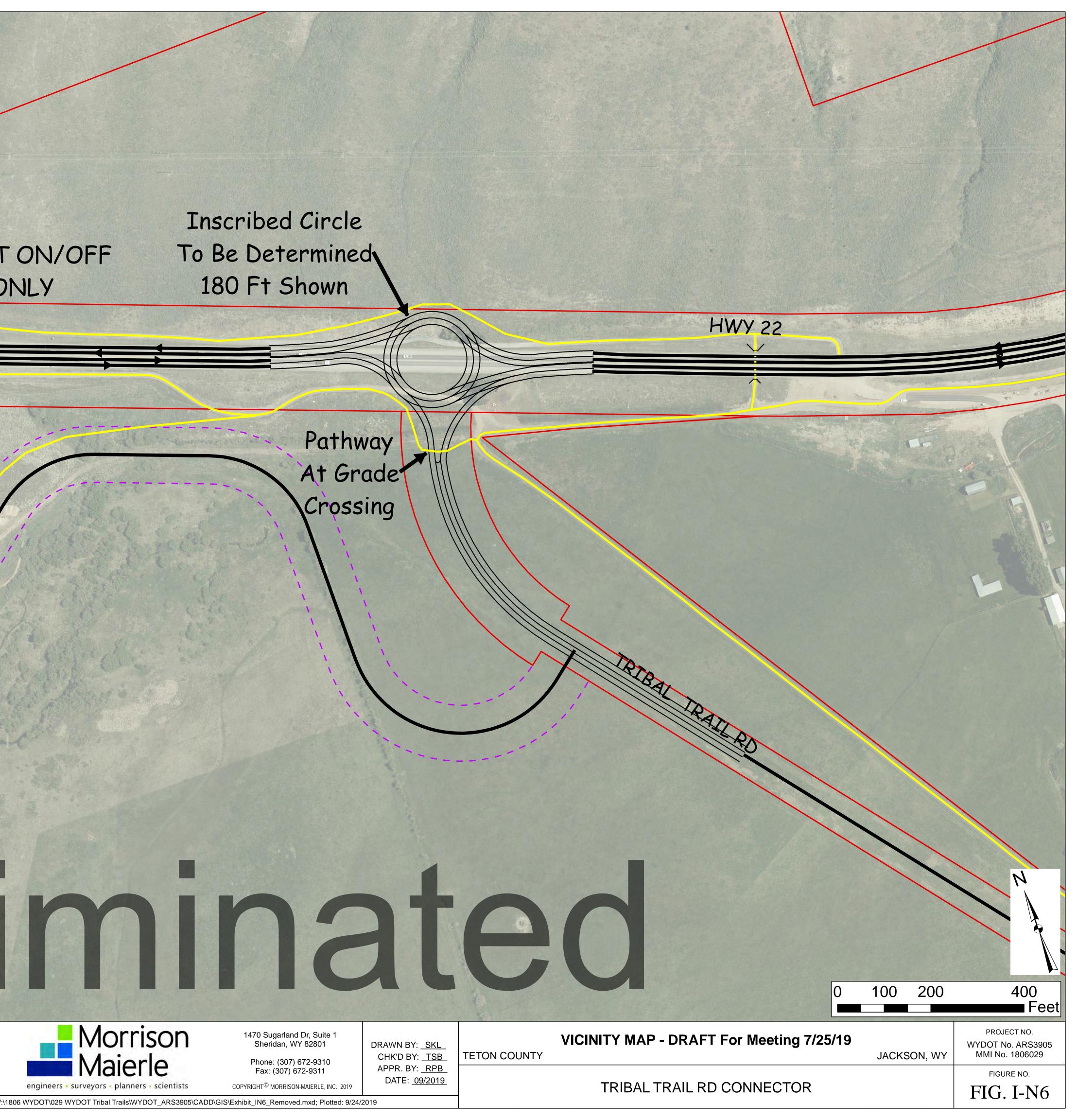
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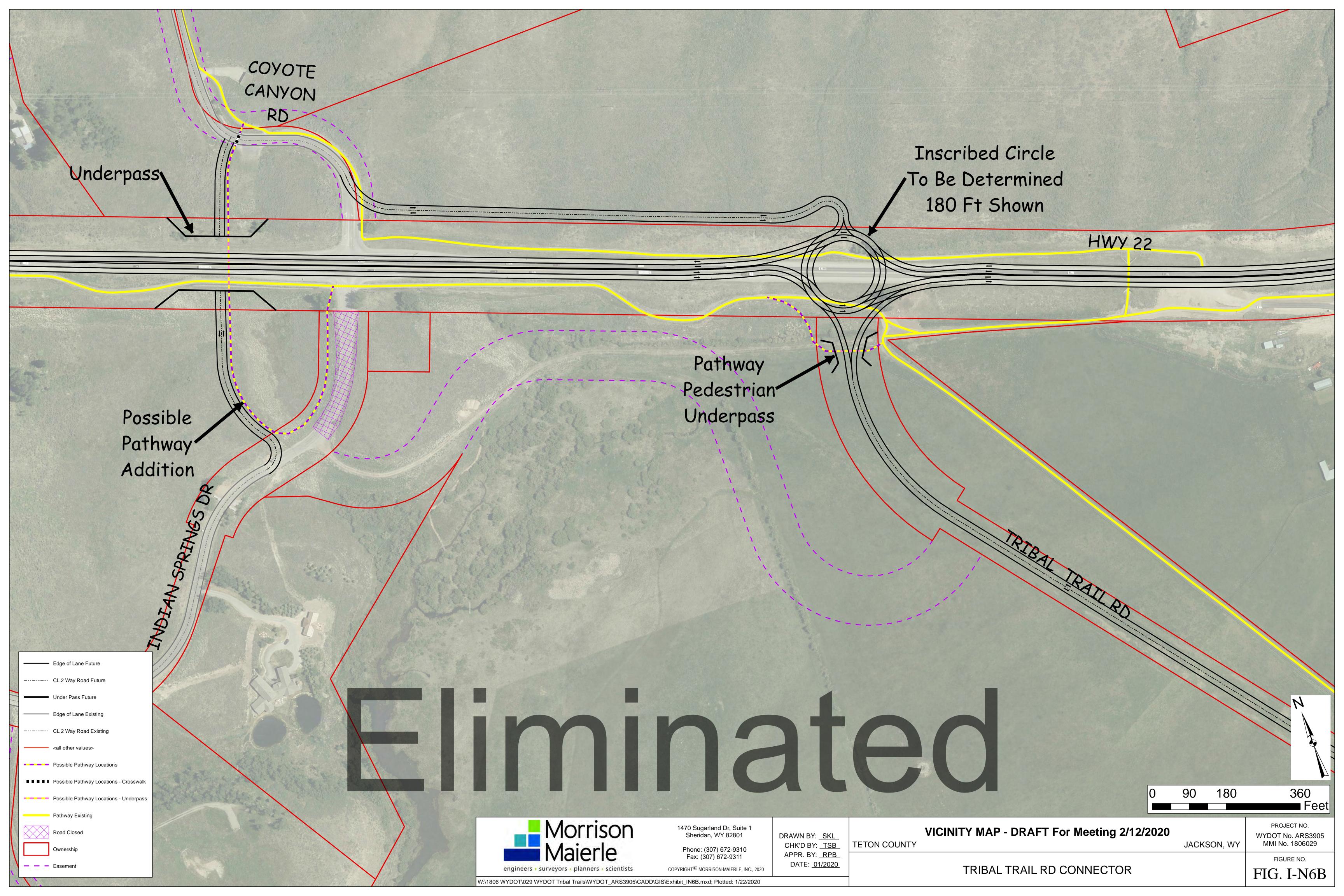
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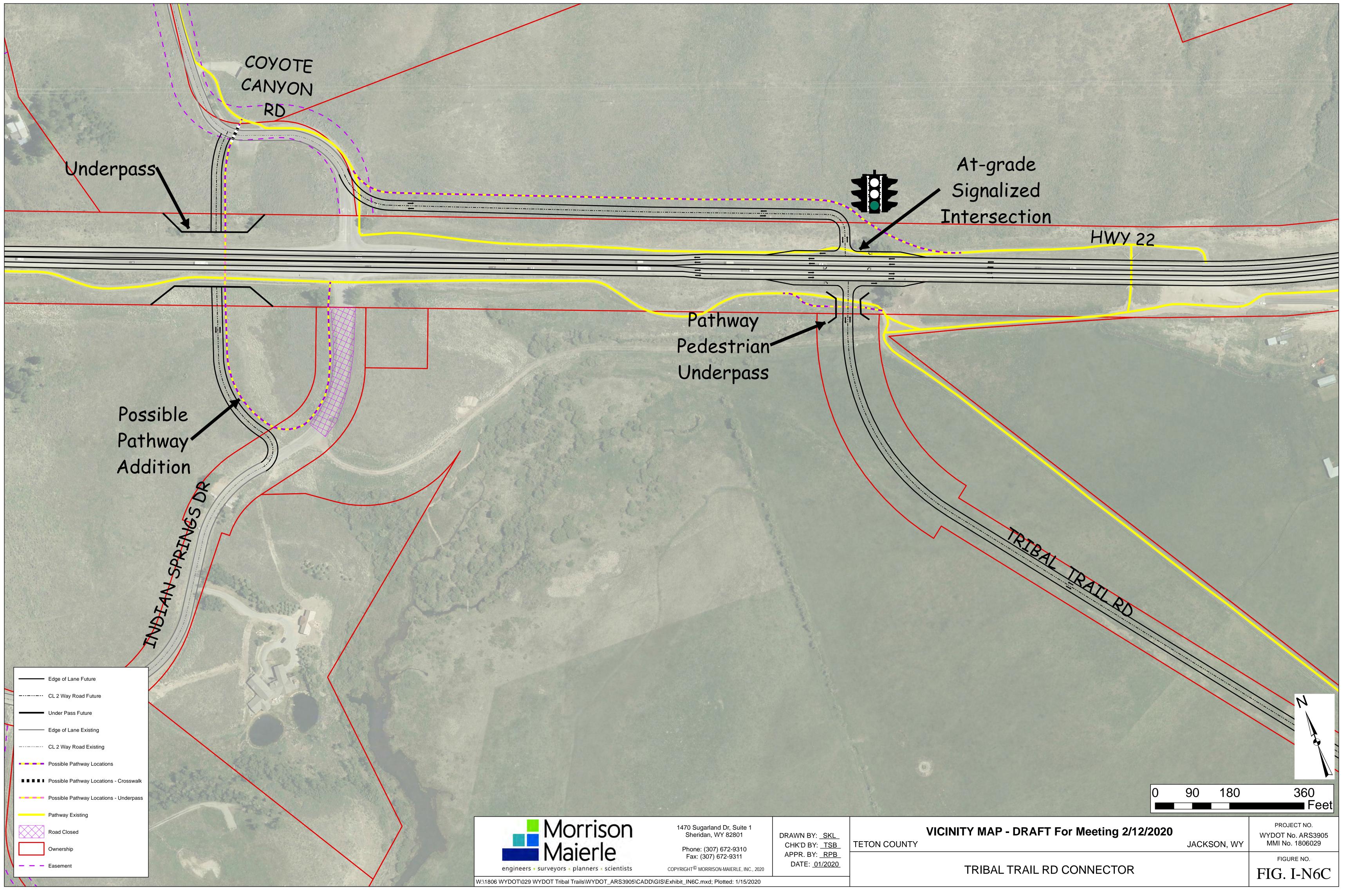
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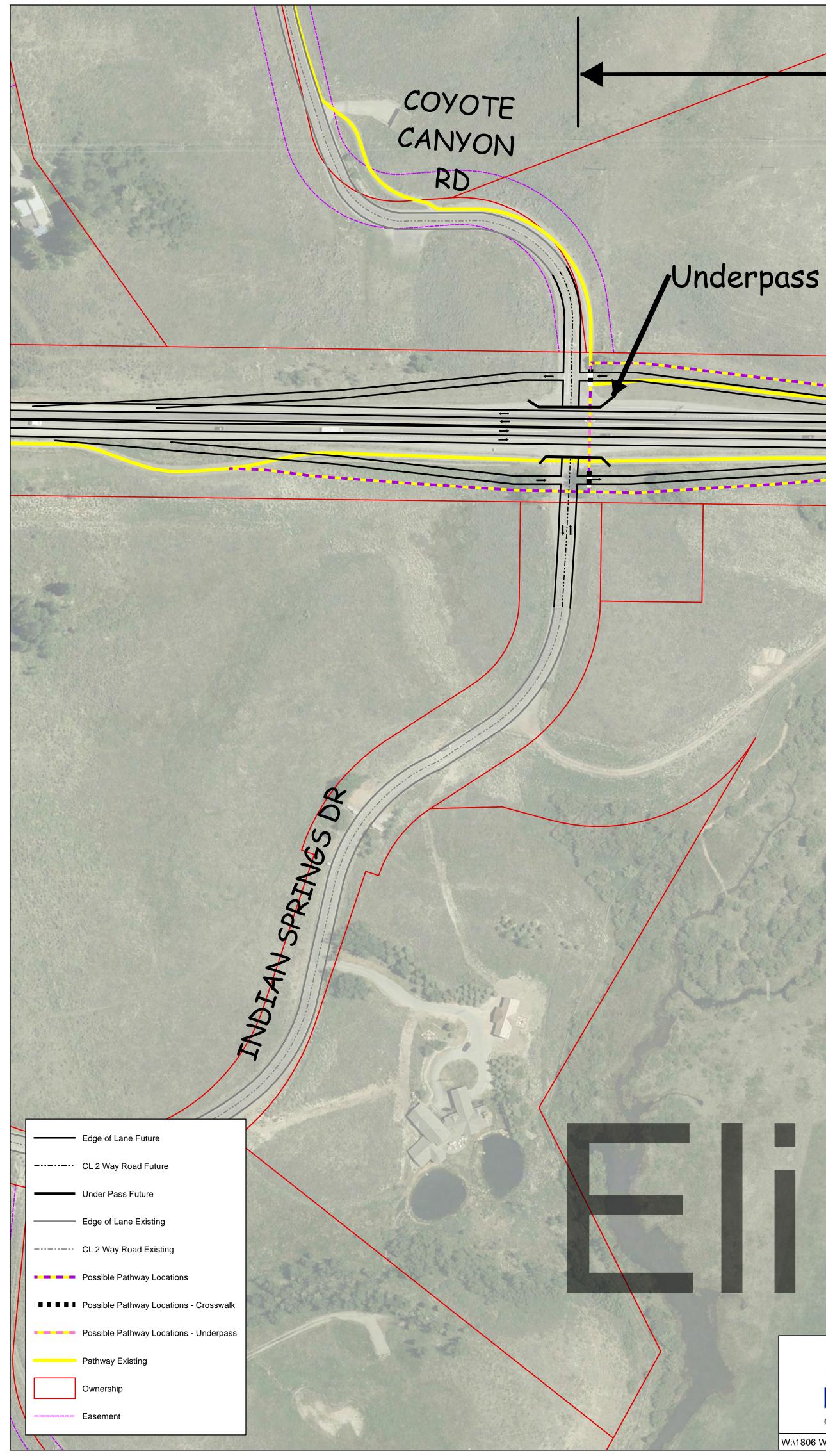
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Approximately 1200 Feet

Pathway At Grade Crossing



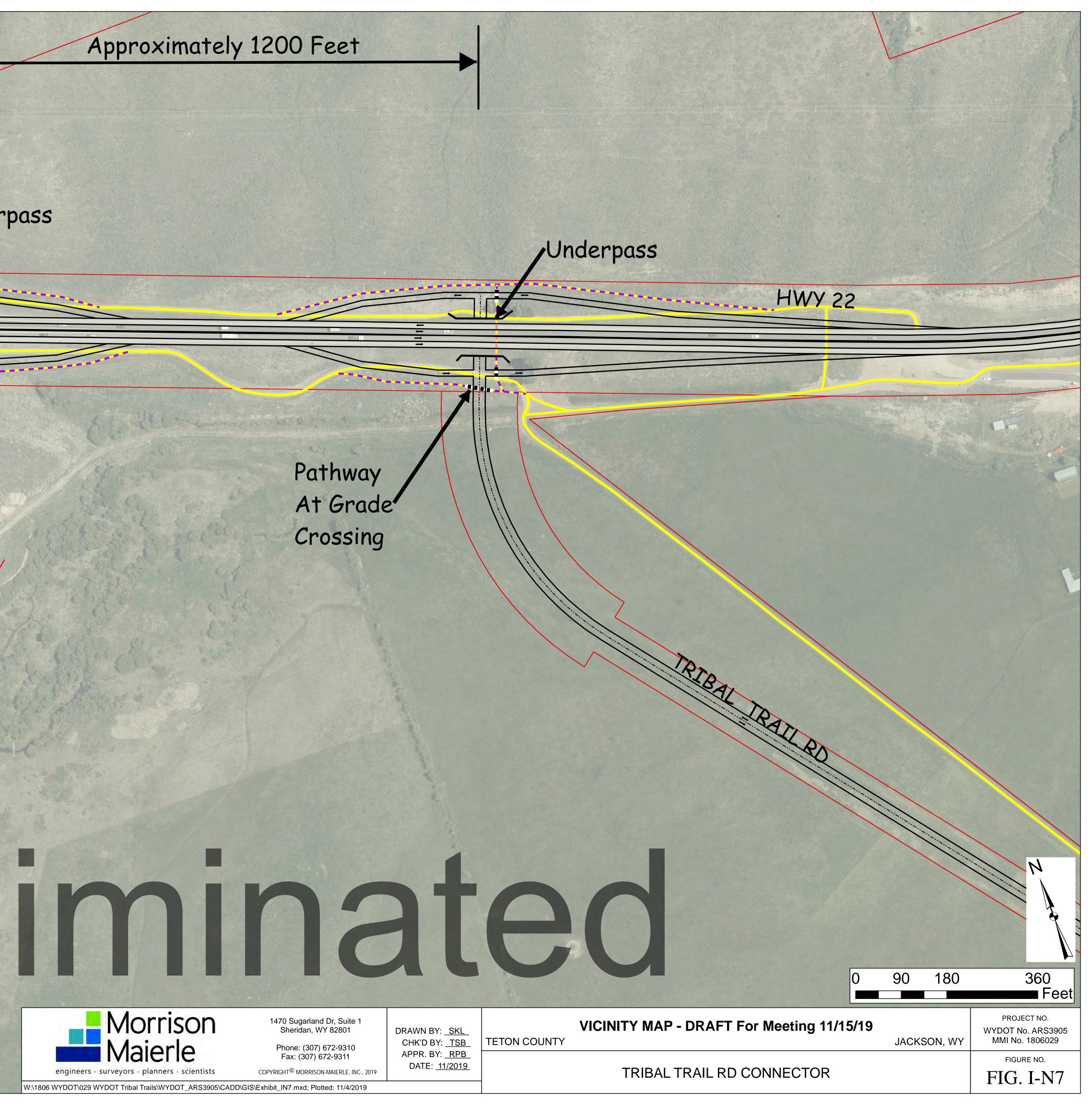
1470 Sugarland Dr, Suite 1 Sheridan, WY 82801 Phone: (307) 672-9310 Fax: (307) 672-9311

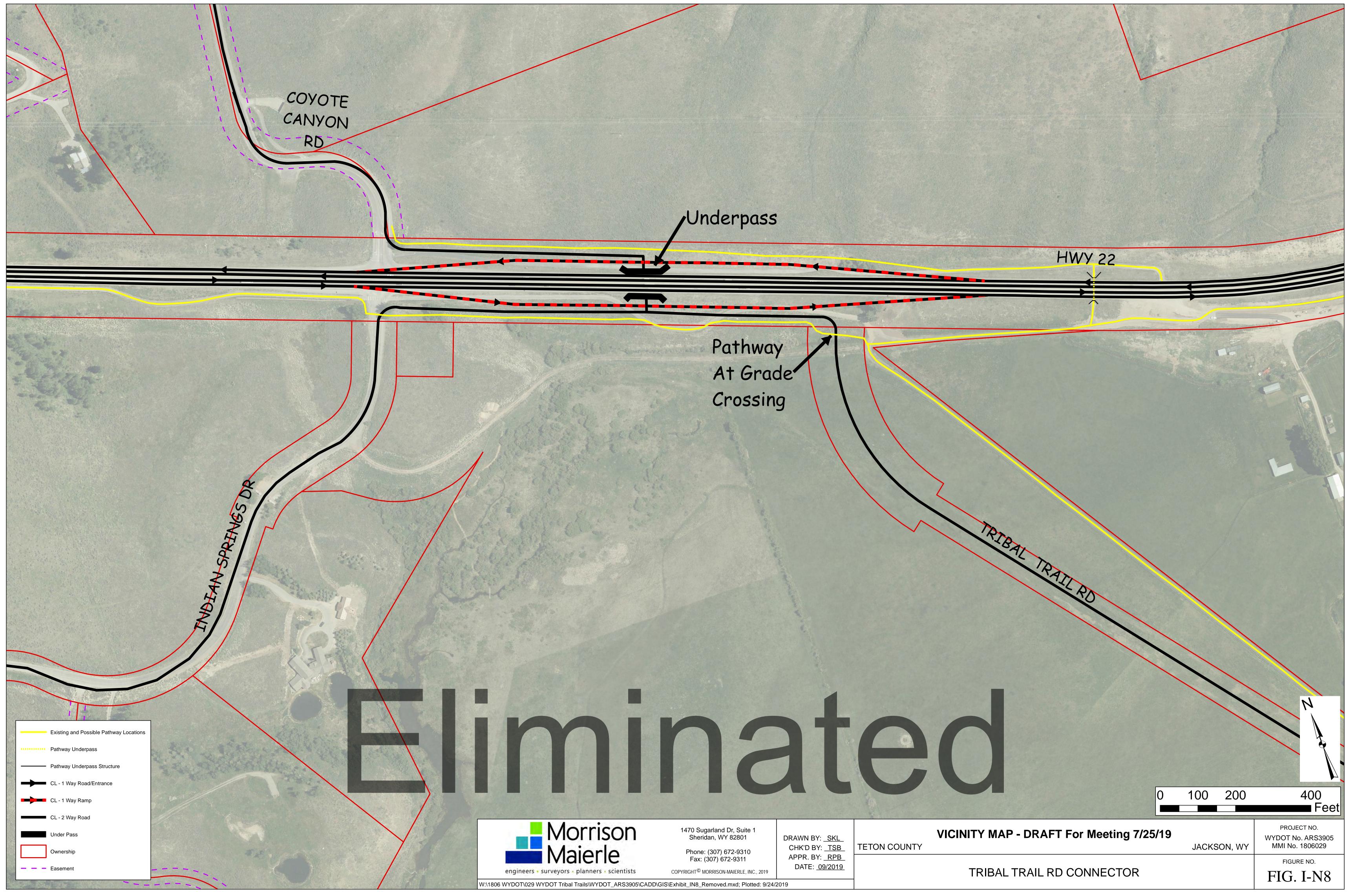
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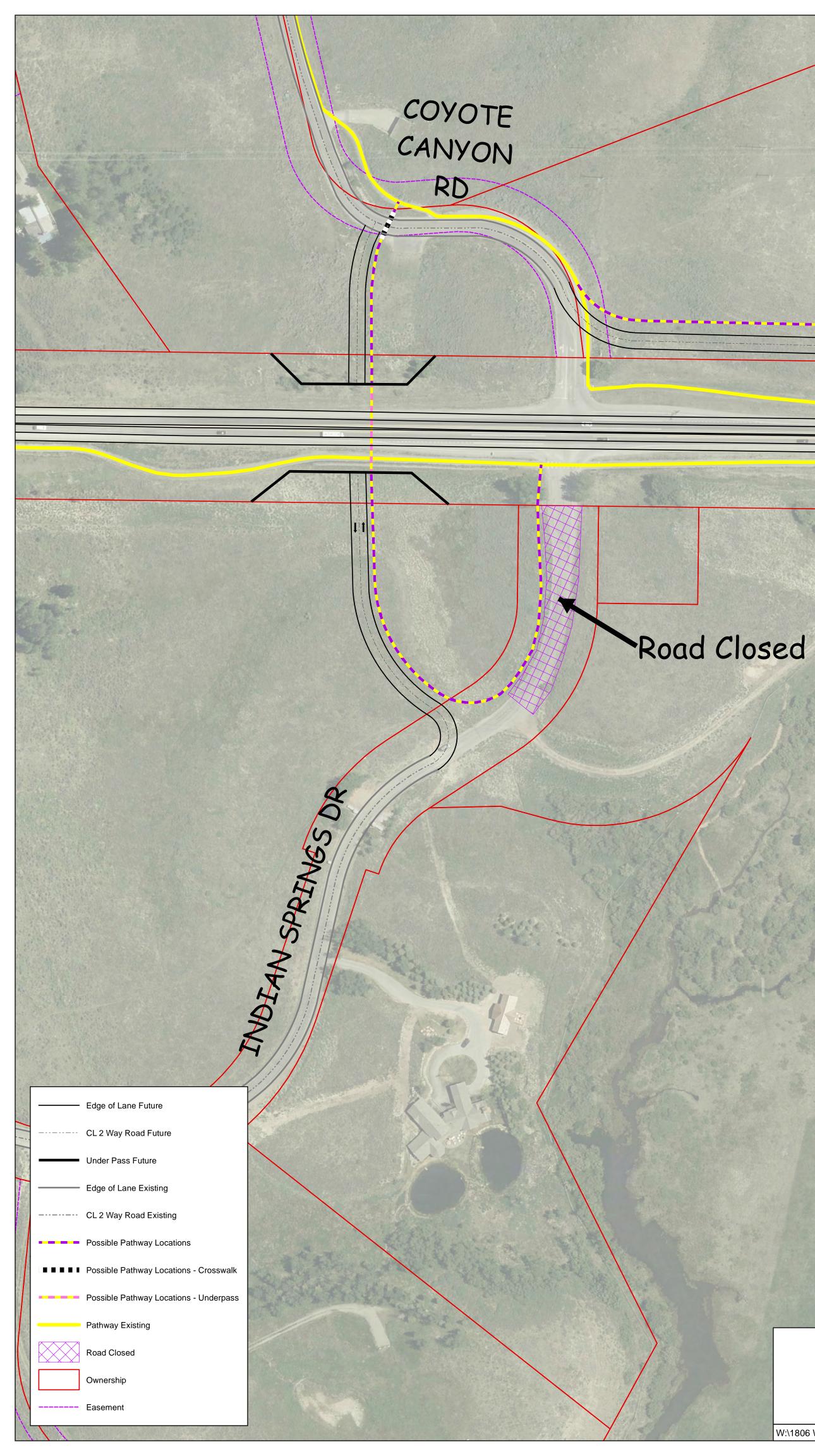
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TETON COUNTY

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Pathway At Grade Crossing 

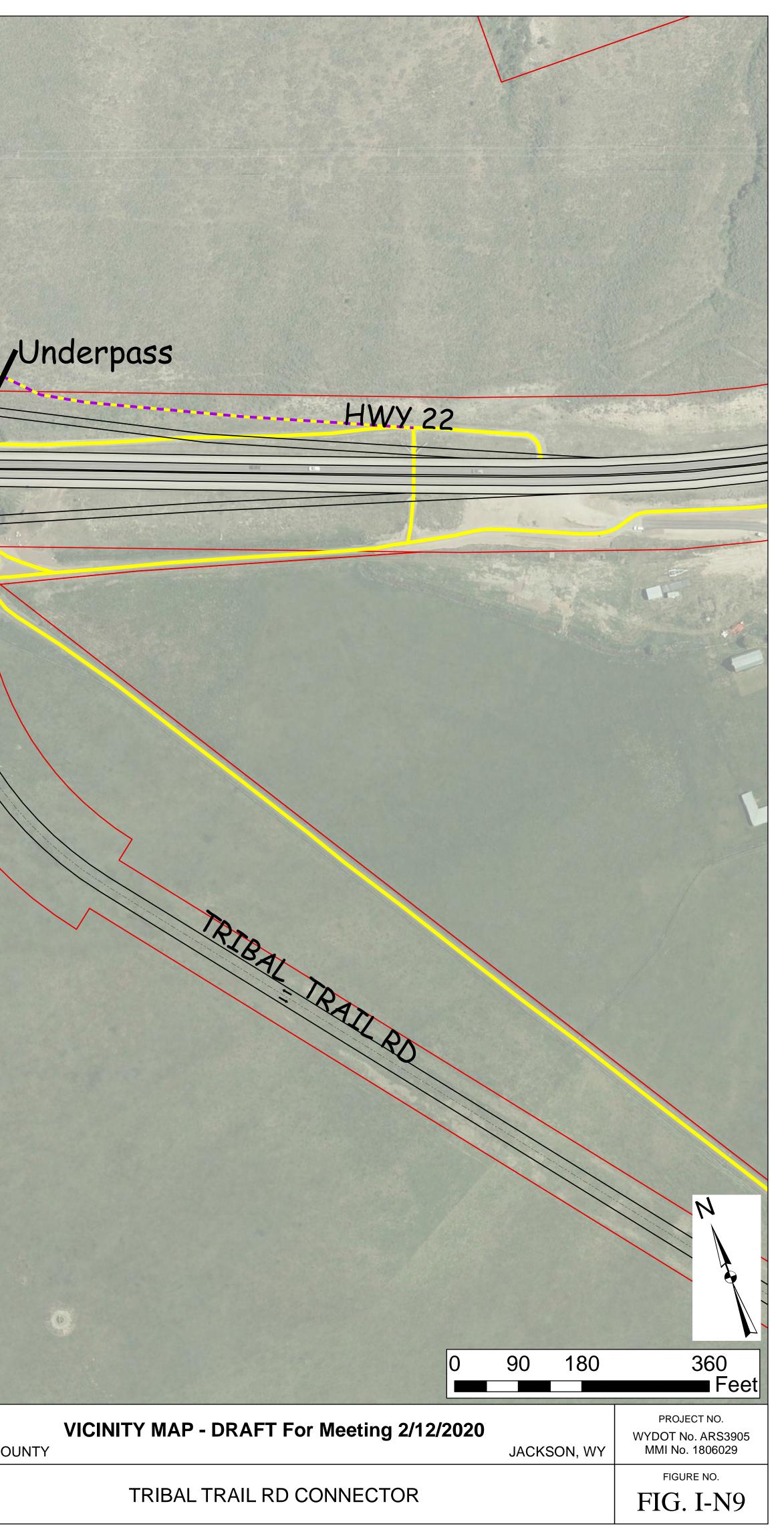
1470 Sugarland Dr, Suite 1 Sheridan, WY 82801 Phone: (307) 672-9310 Fax: (307) 672-9311

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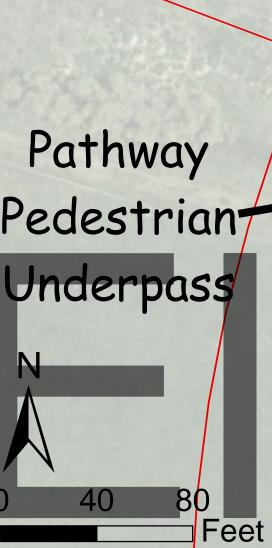


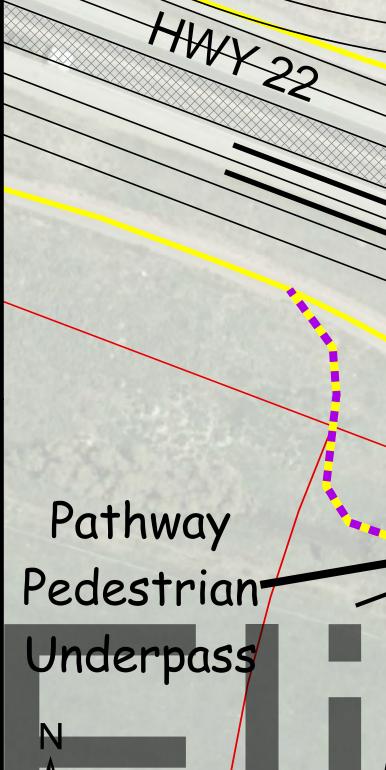
Edge of Lane ----- CL 2 Way Road Under Pass Edge of Lane Existing ----- CL 2 Way Road Existing

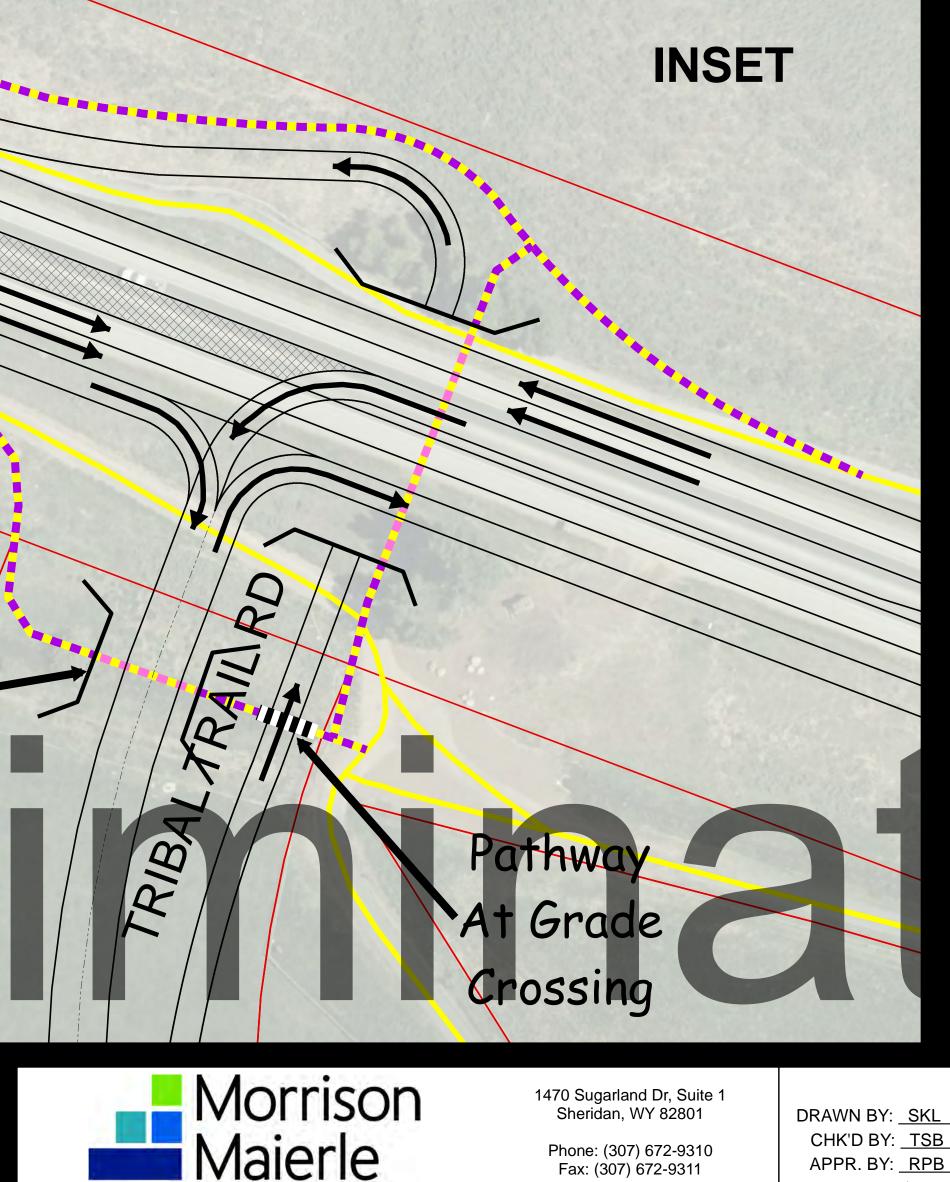
Ownership

Easement

Possible Pathway Locations Possible Pathway Locations - Crosswalk Possible Pathway Locations - Underpass Pathway Existing





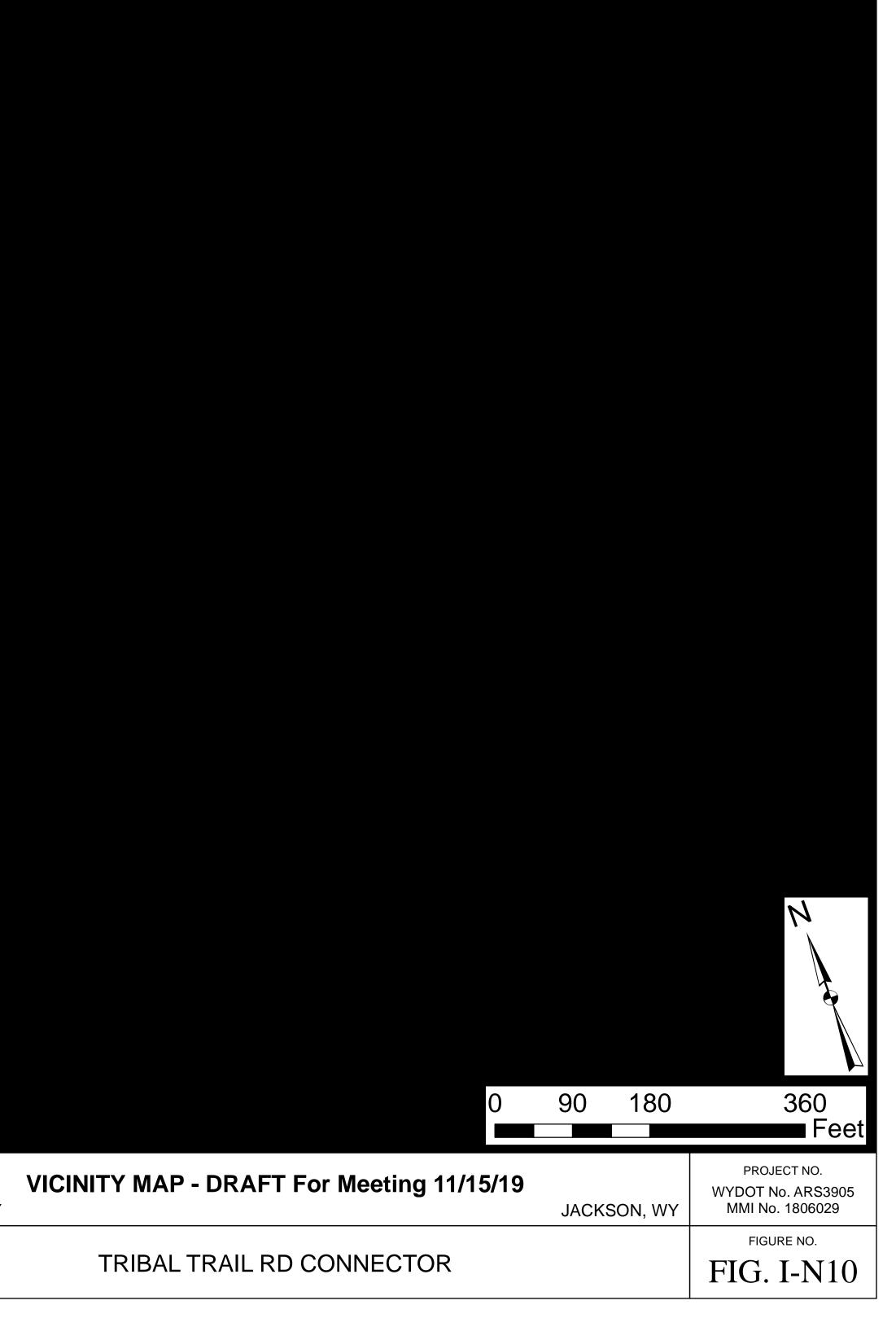


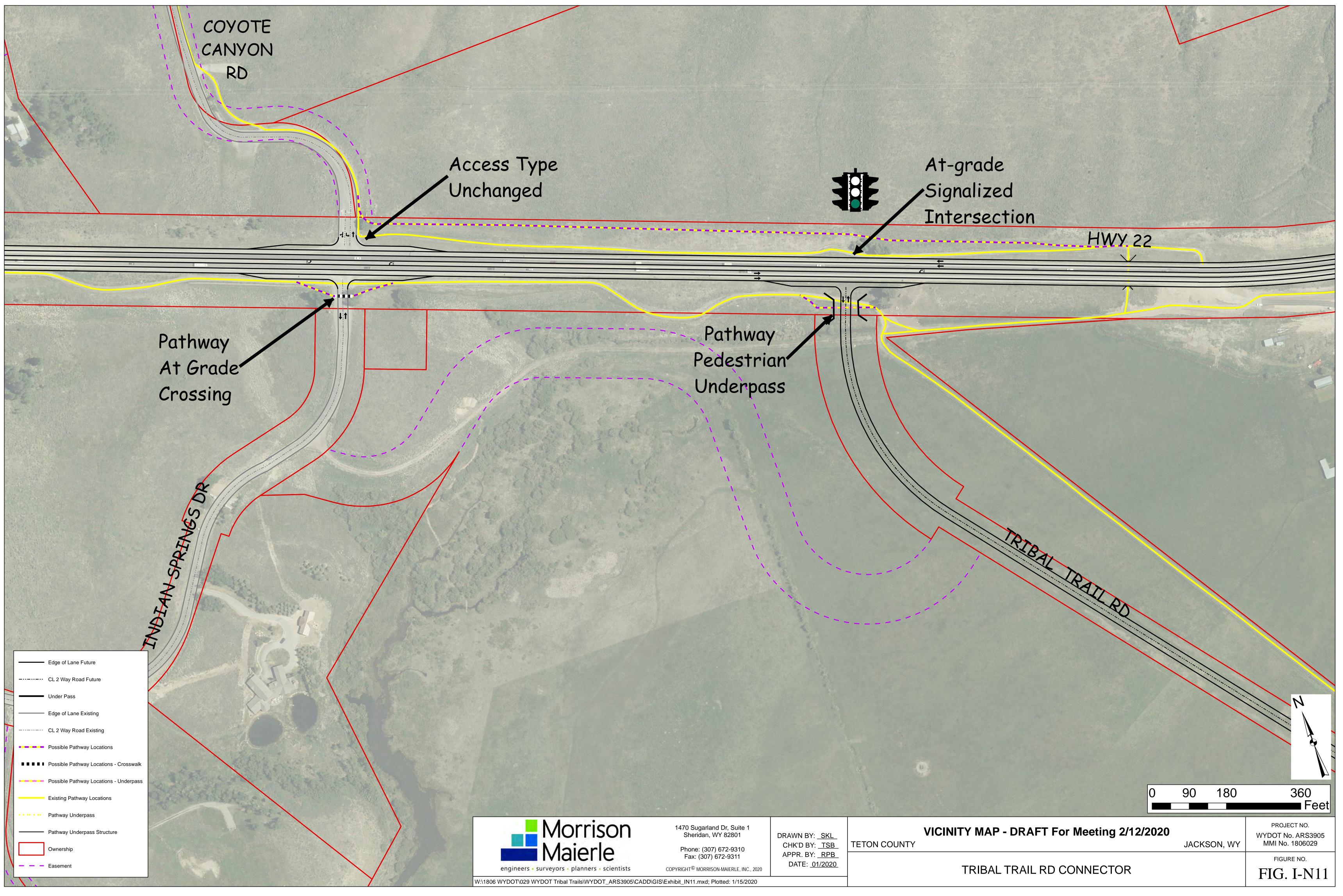


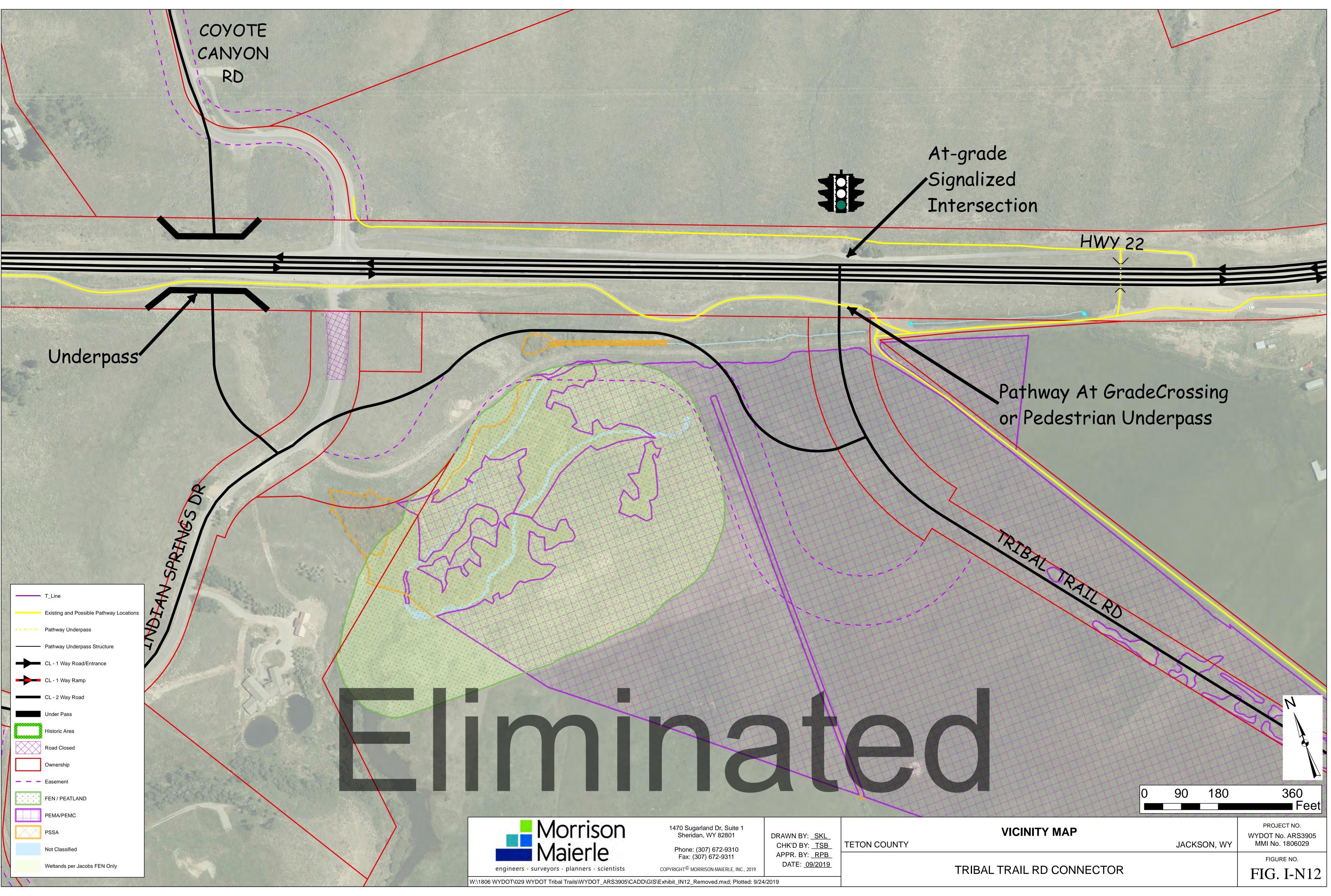
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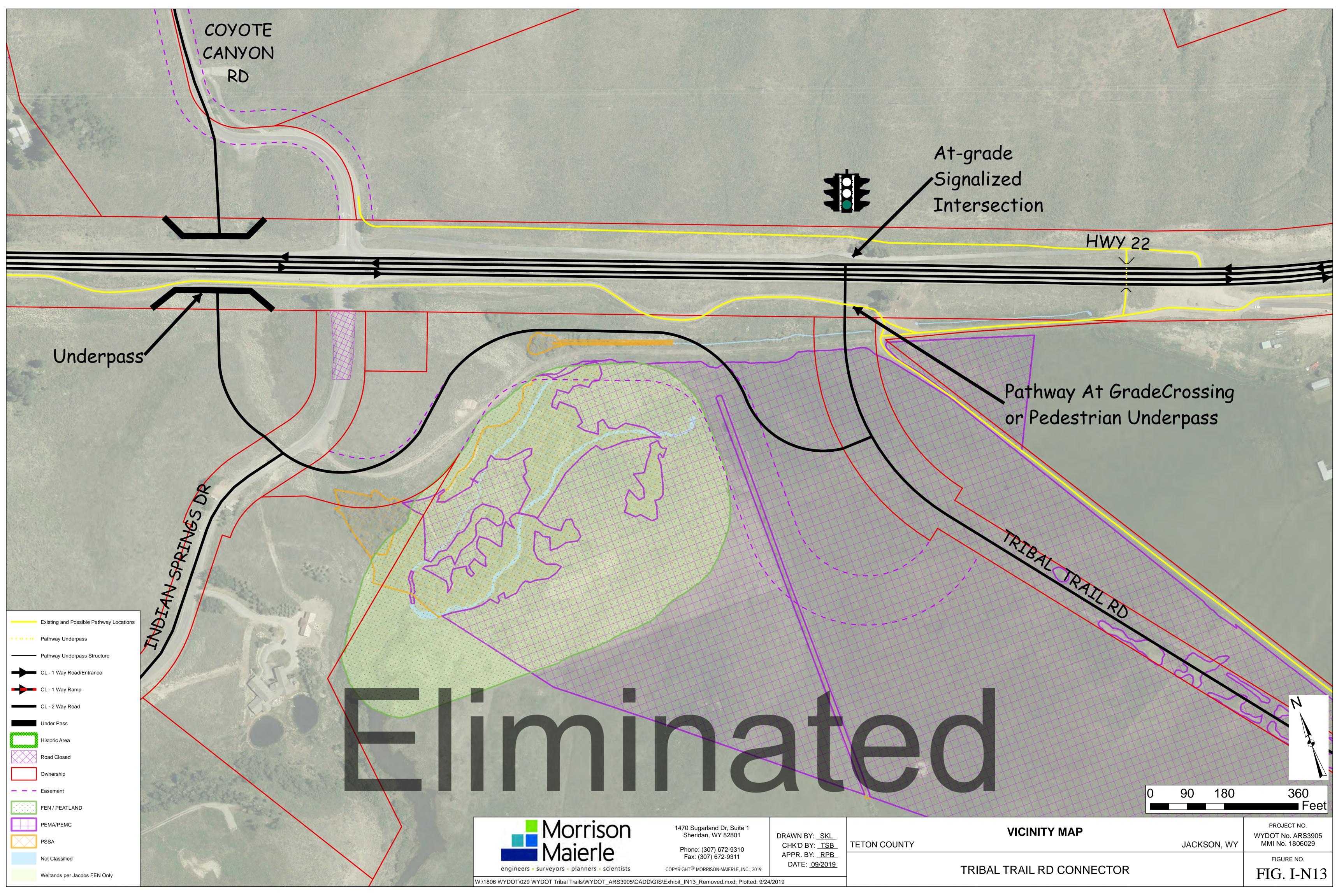
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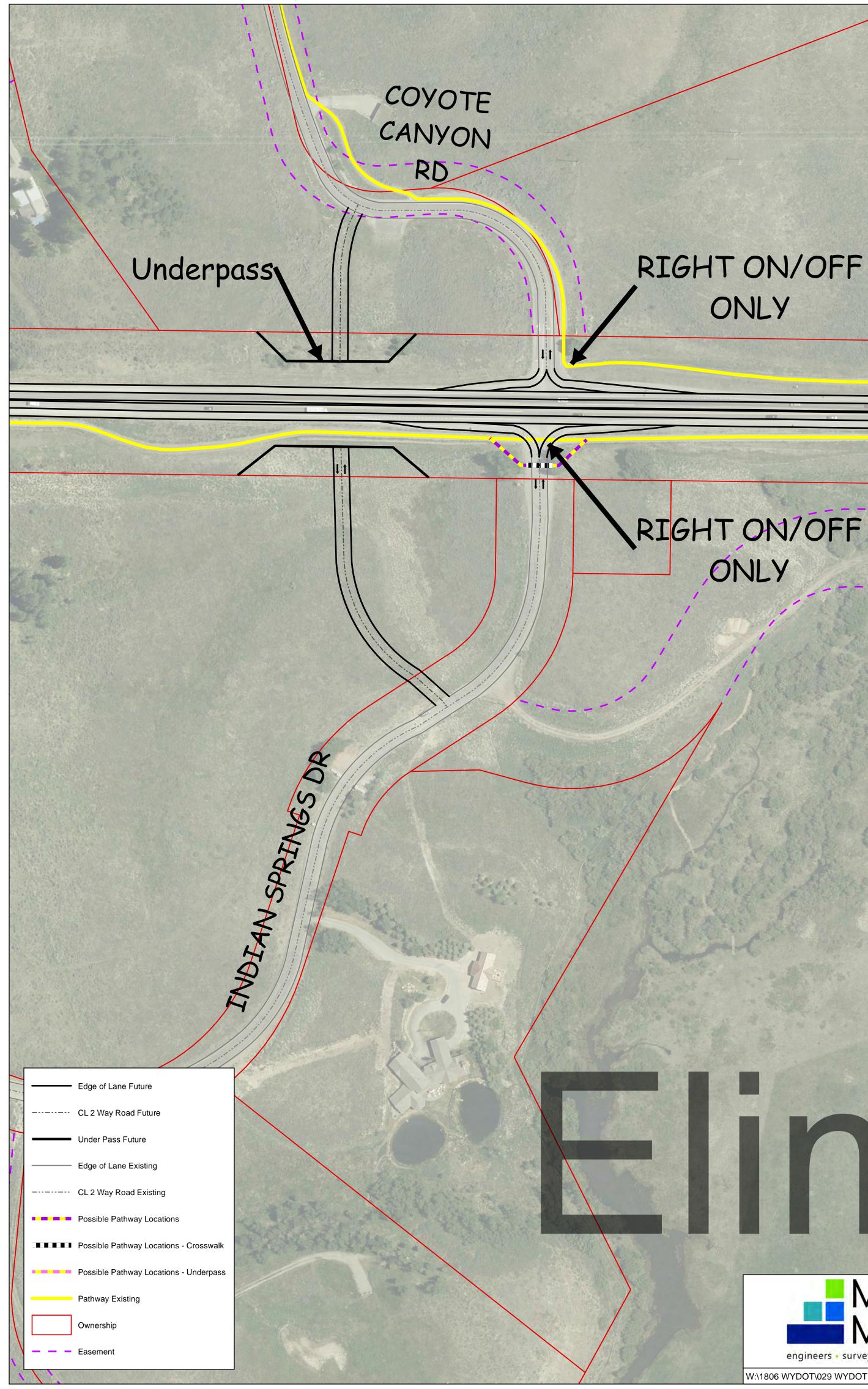
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RIGHT ON/OFF ONLY

Pathway Connection To Hwy 22 for EMS Vehicles Only Design To Be Determined



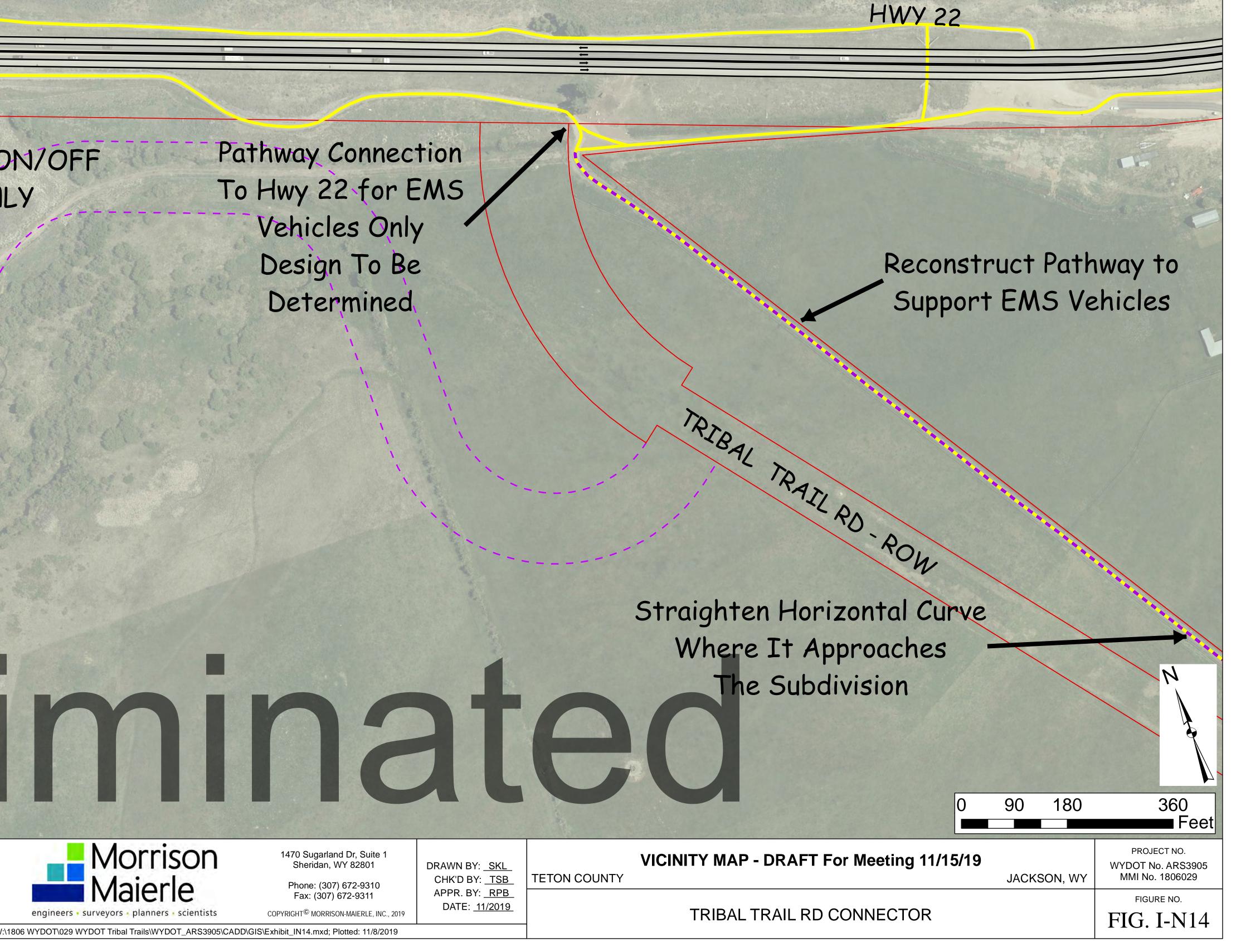
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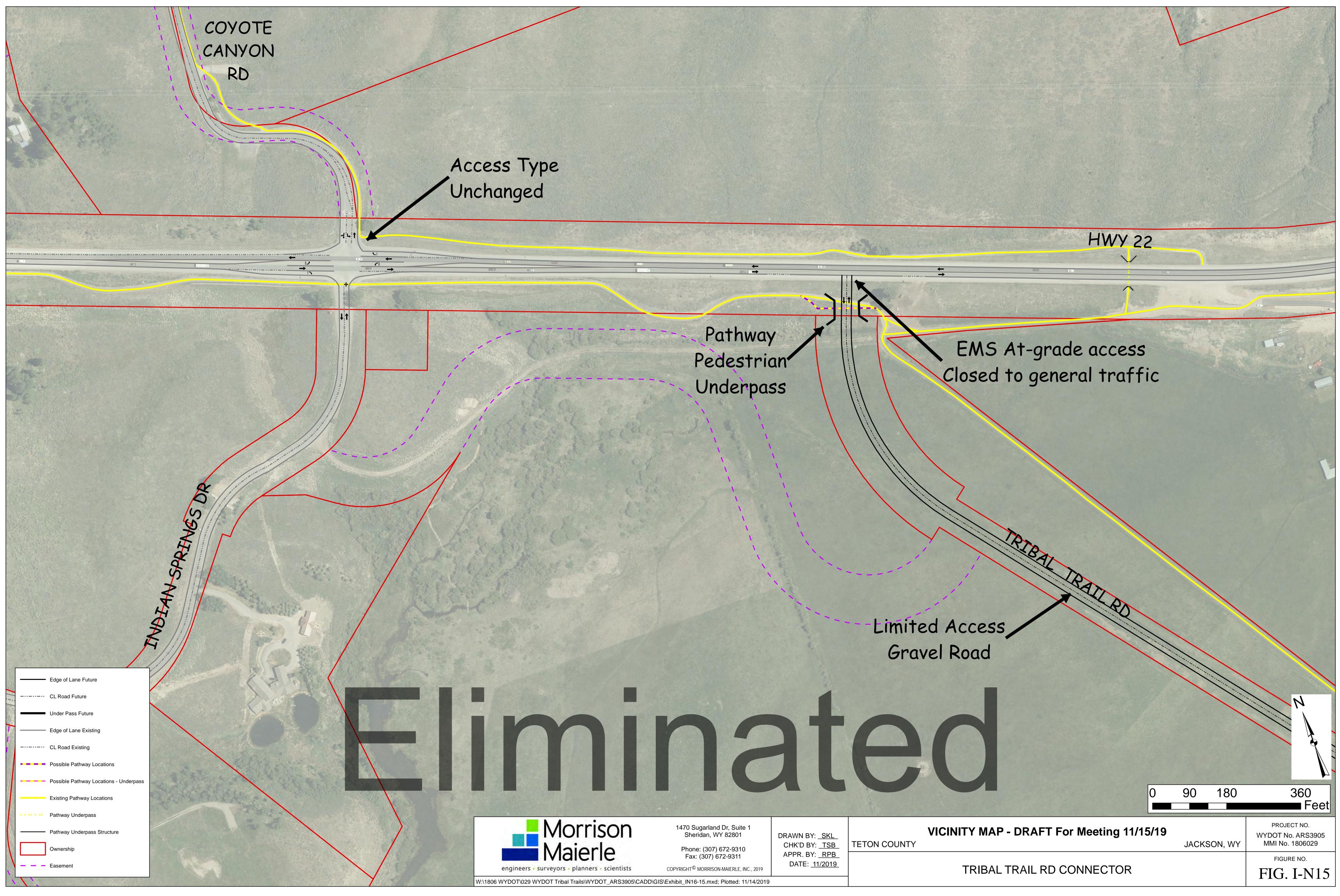
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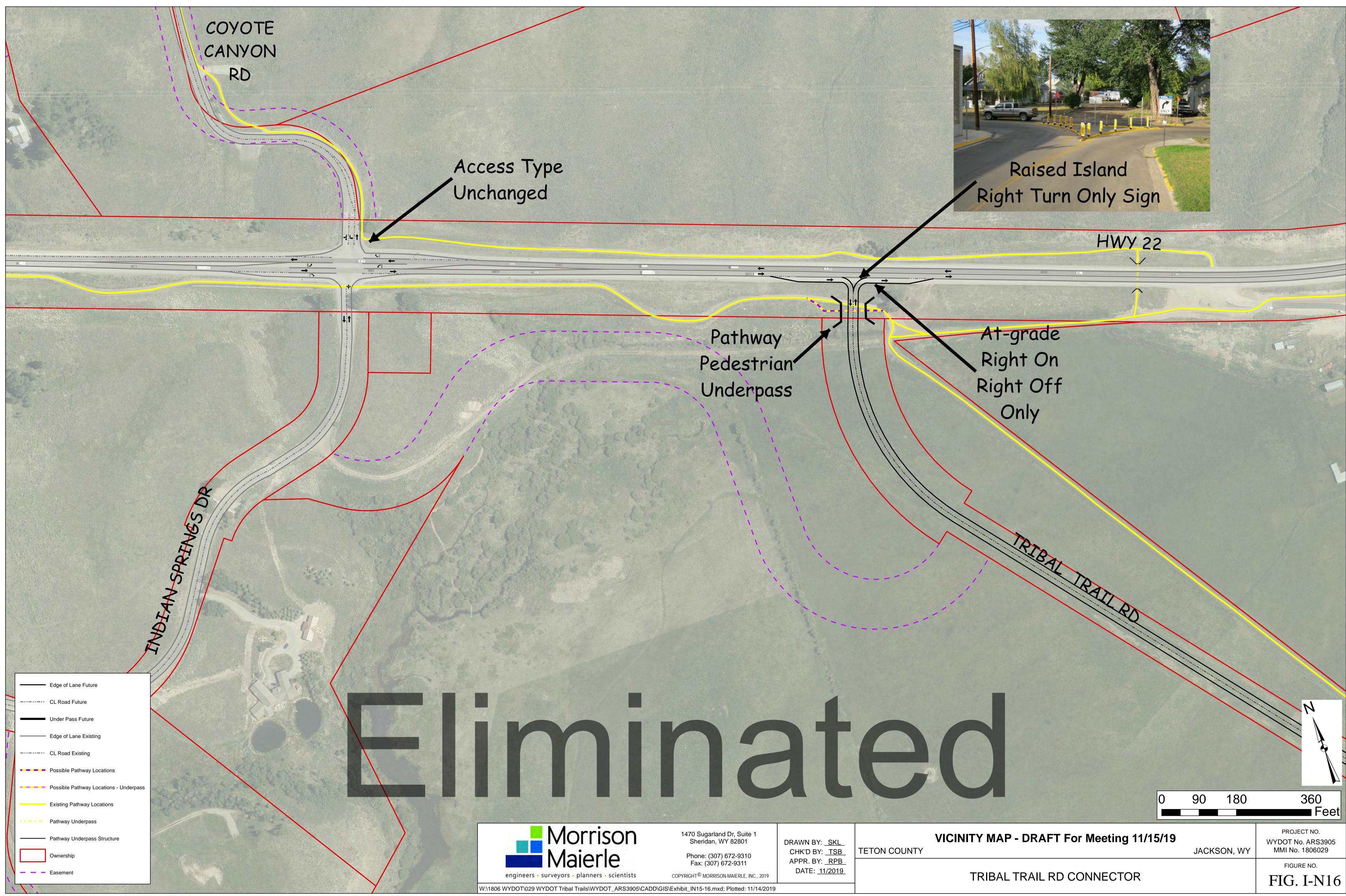
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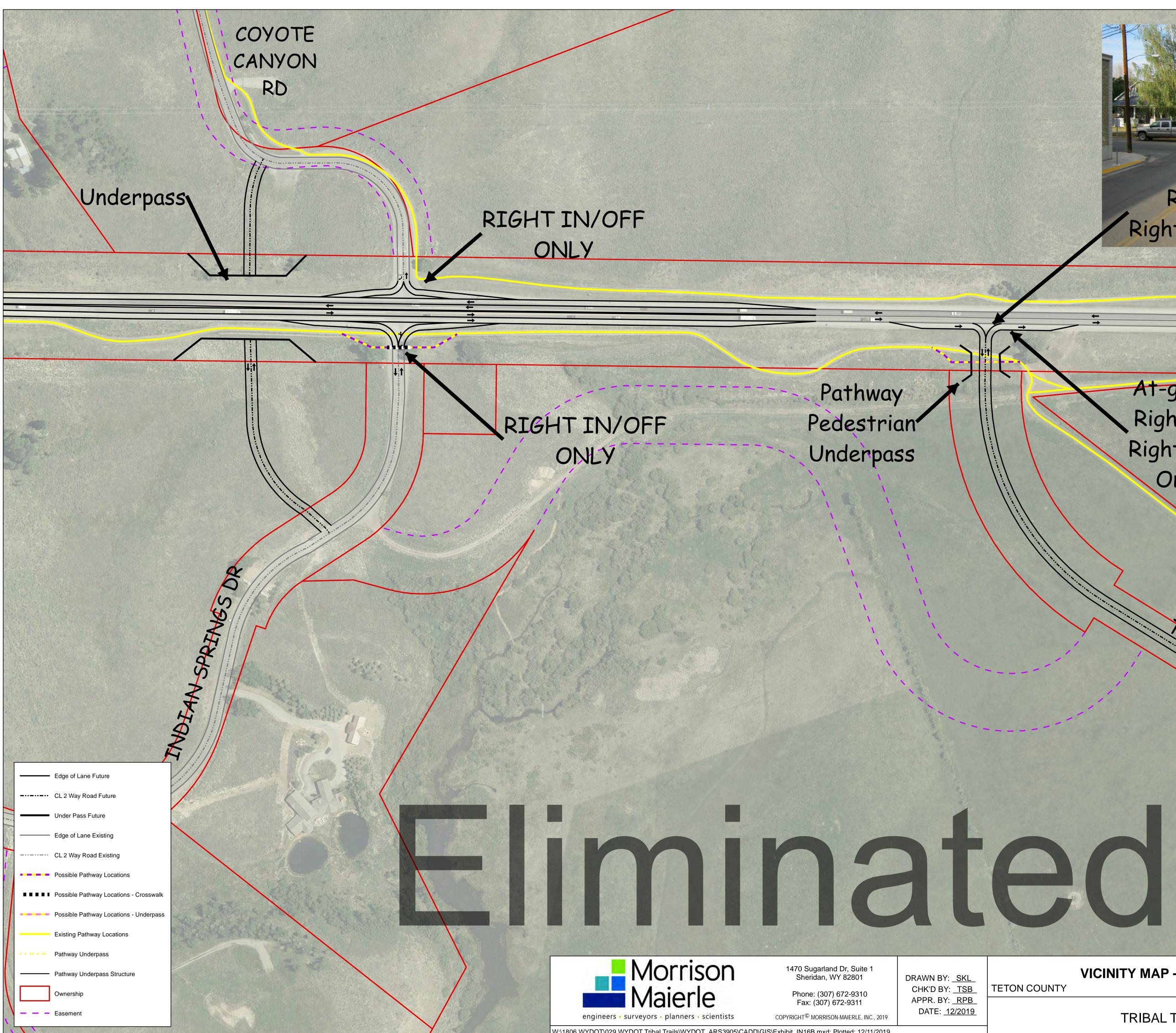
TETON COUNTY

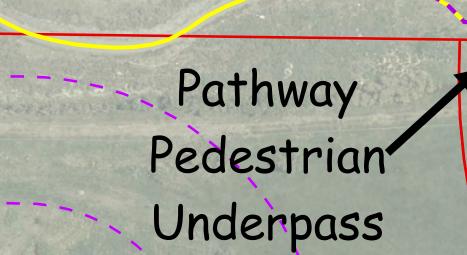
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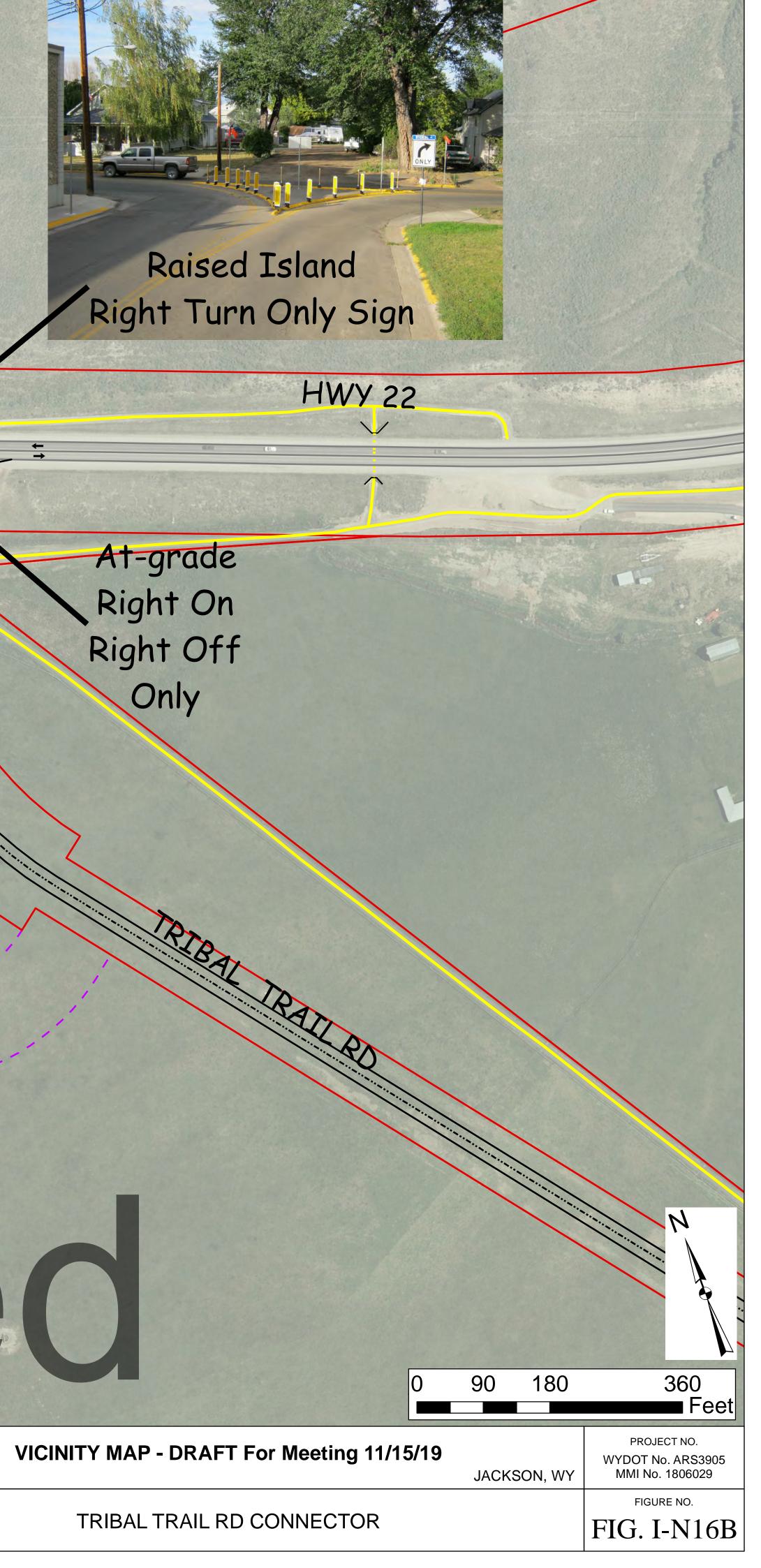
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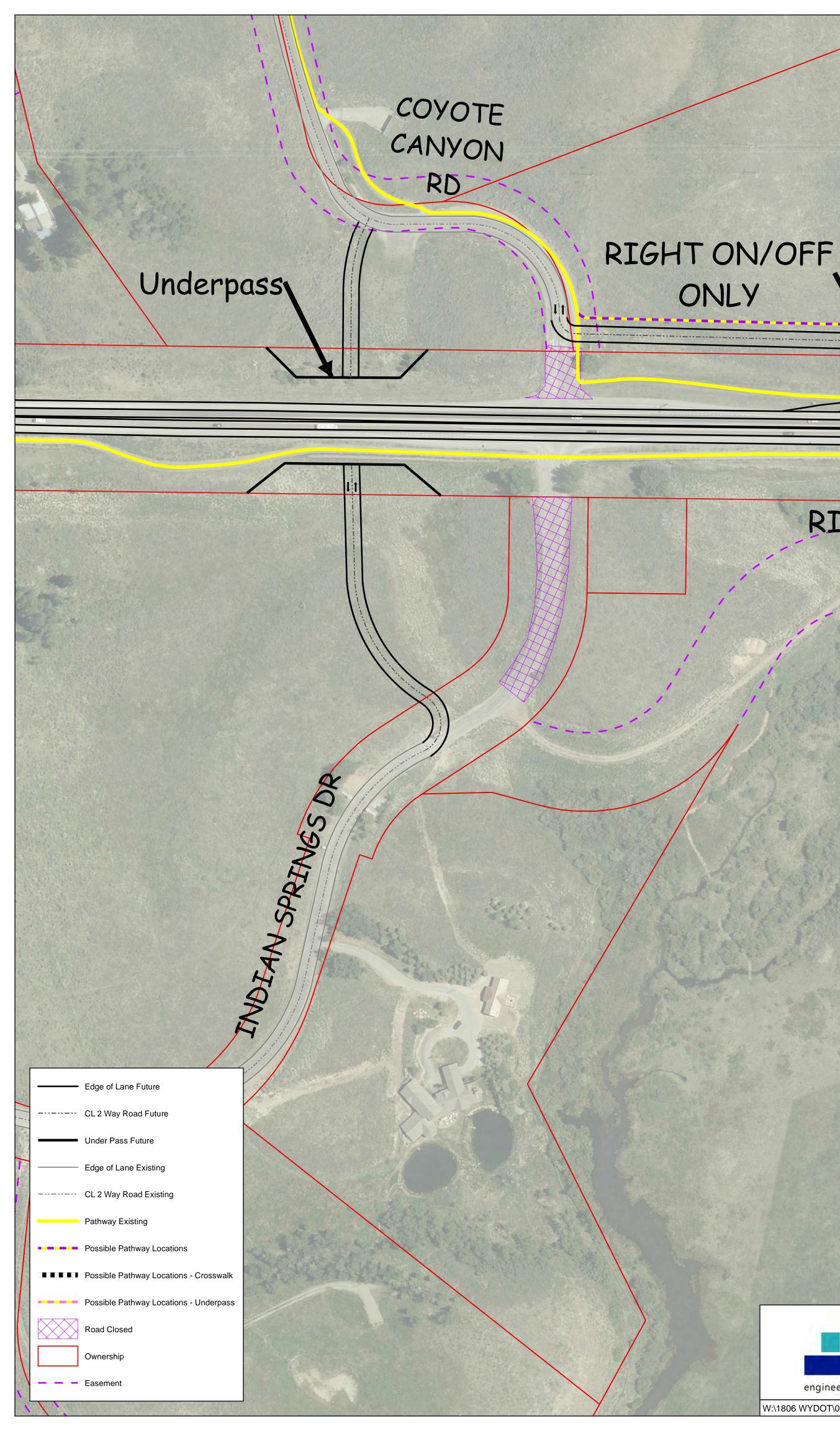
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TETON COUNTY

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North Entrance could shift East or West depending on Design

RIGHT ON/OFF ONLY

Pathway Pedestrian Underpass



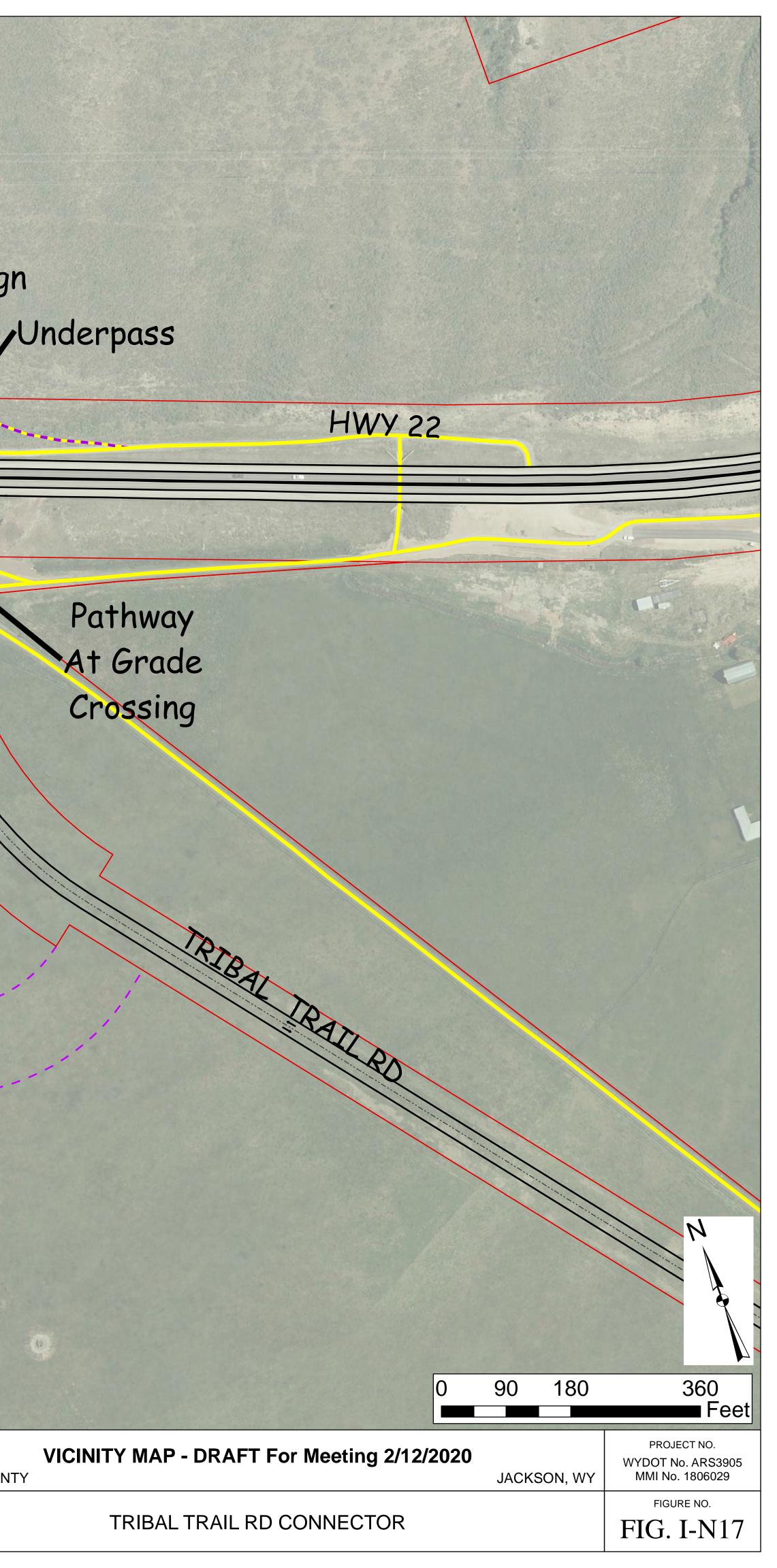
1470 Sugarland Dr, Suite 1 Sheridan, WY 82801 Phone: (307) 672-9310 Fax: (307) 672-9311

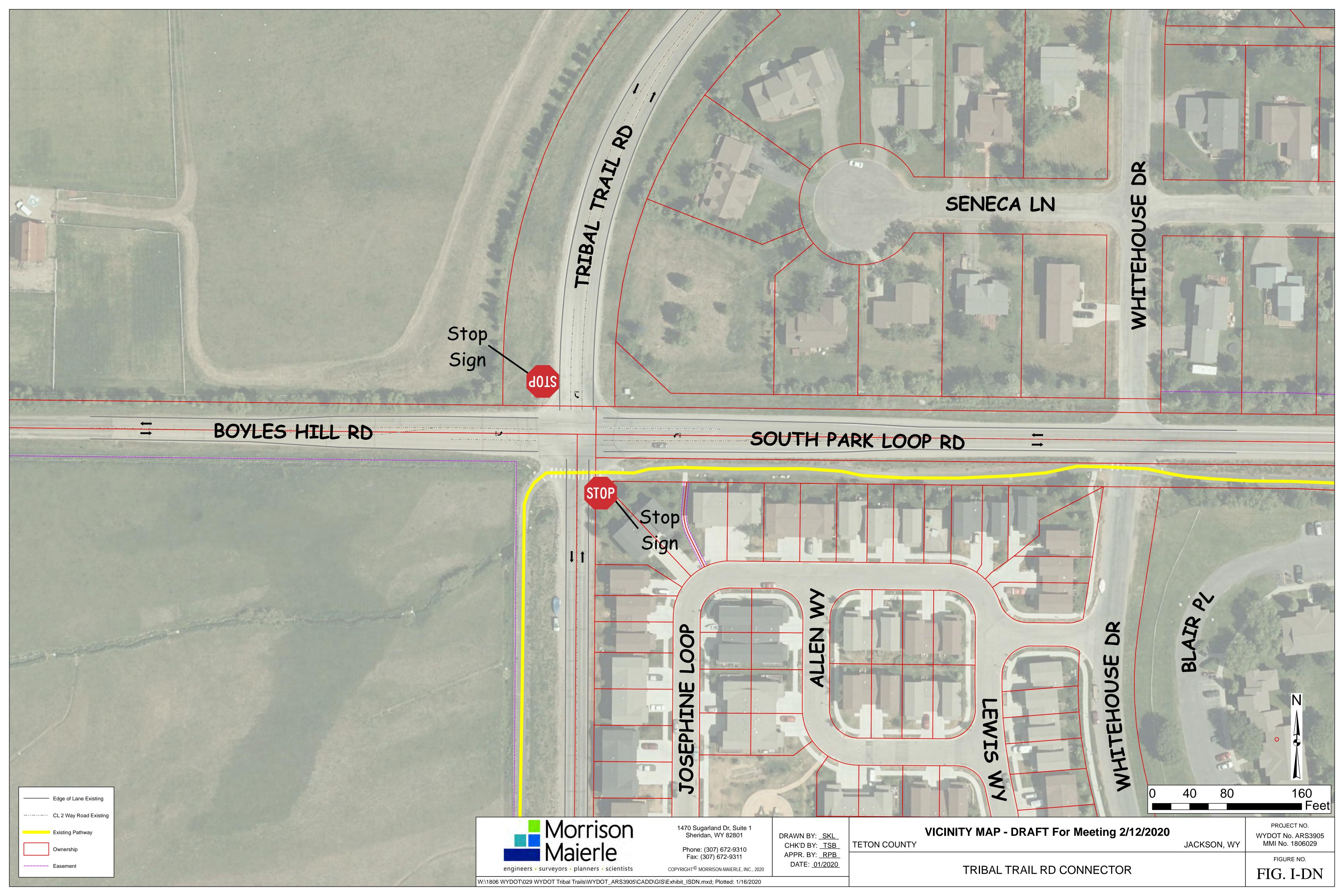
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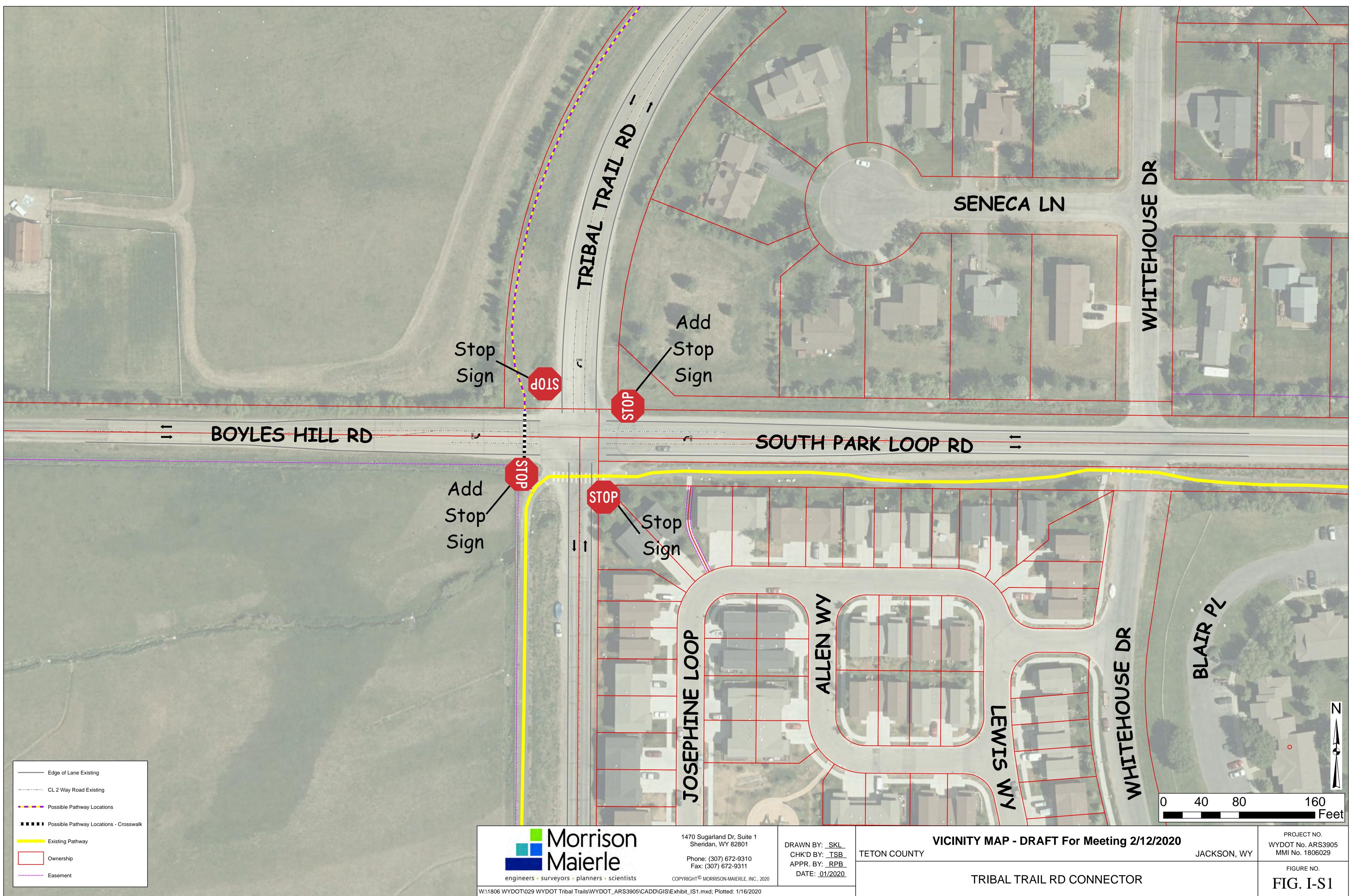
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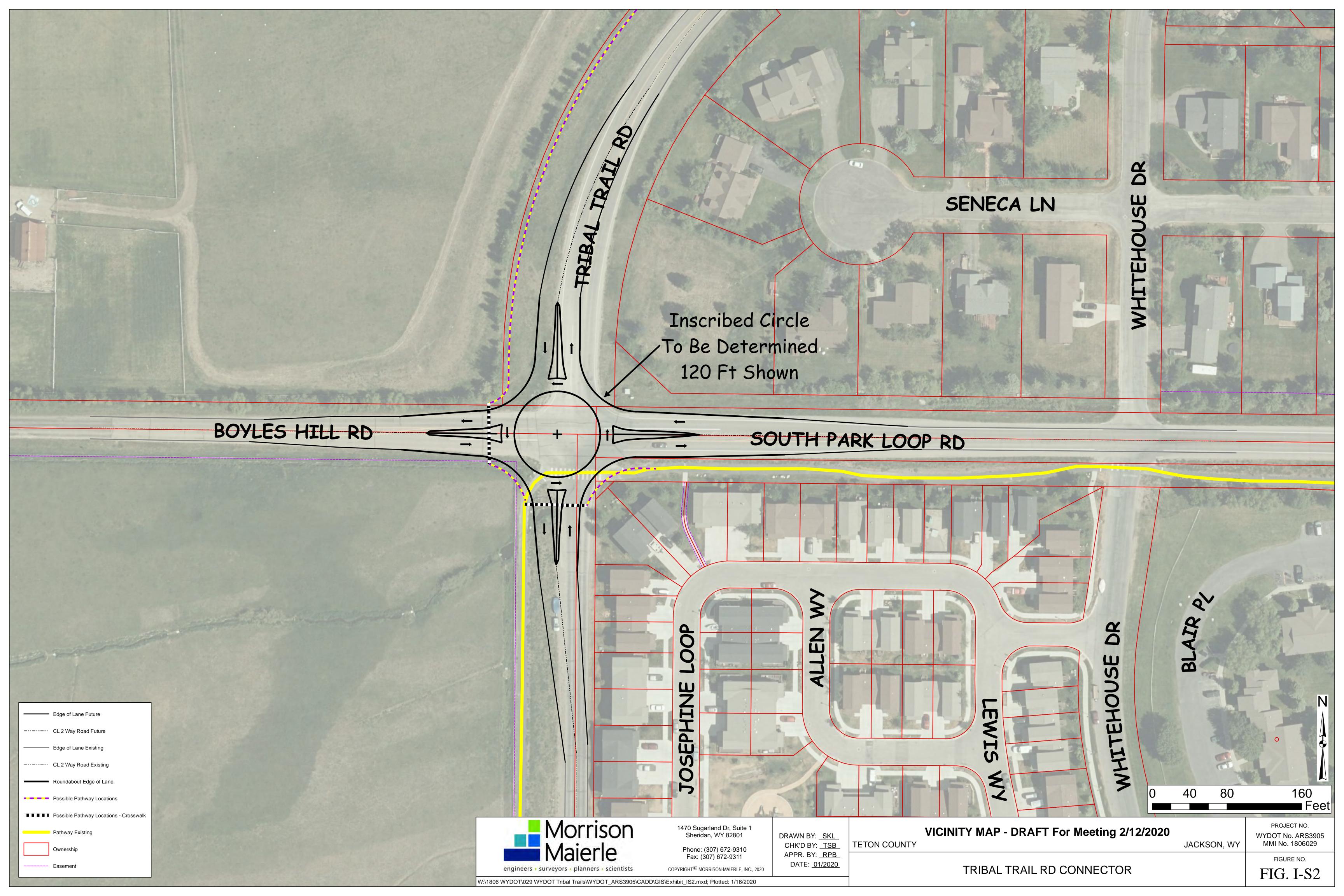
TETON COUNTY

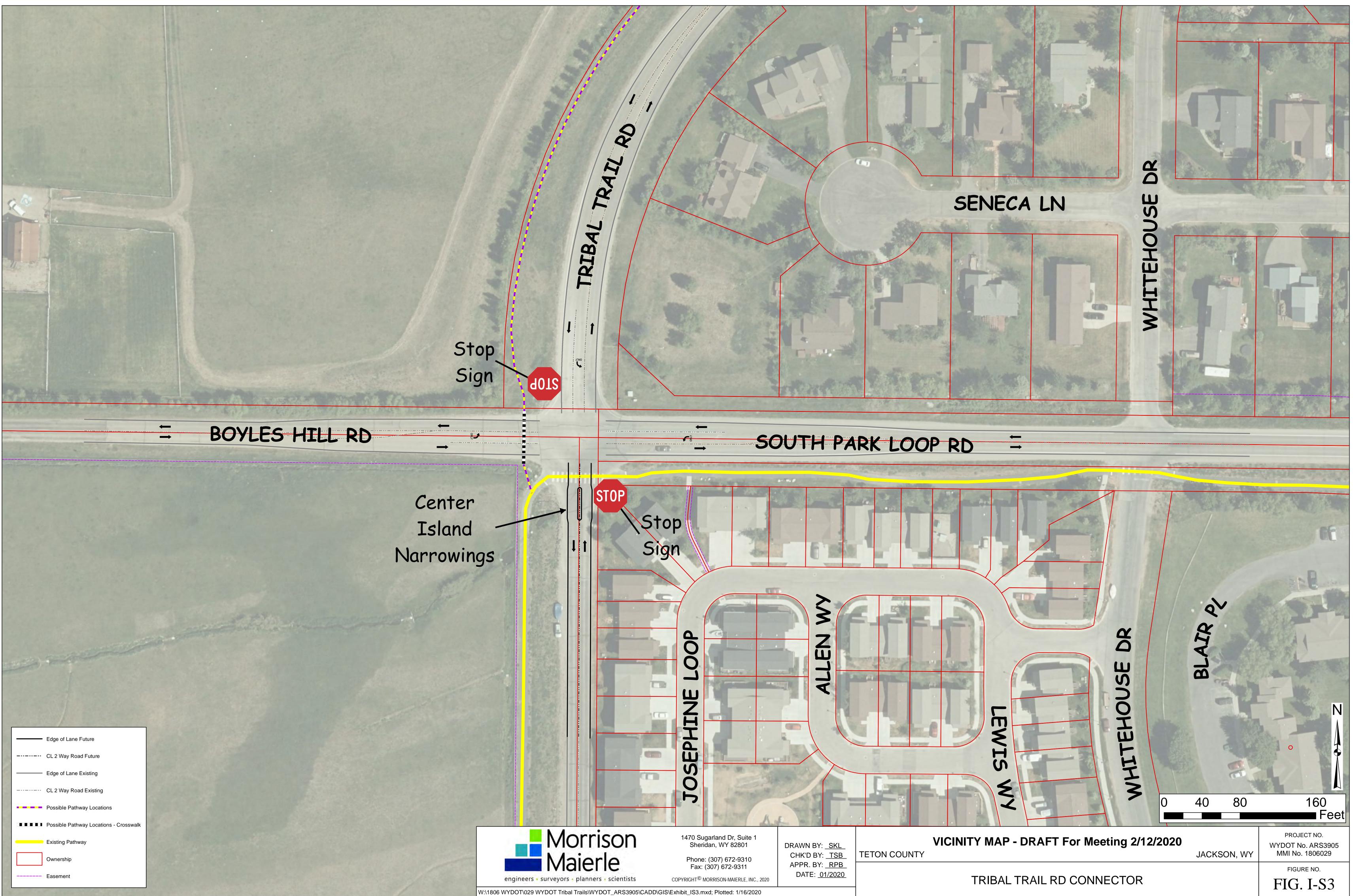
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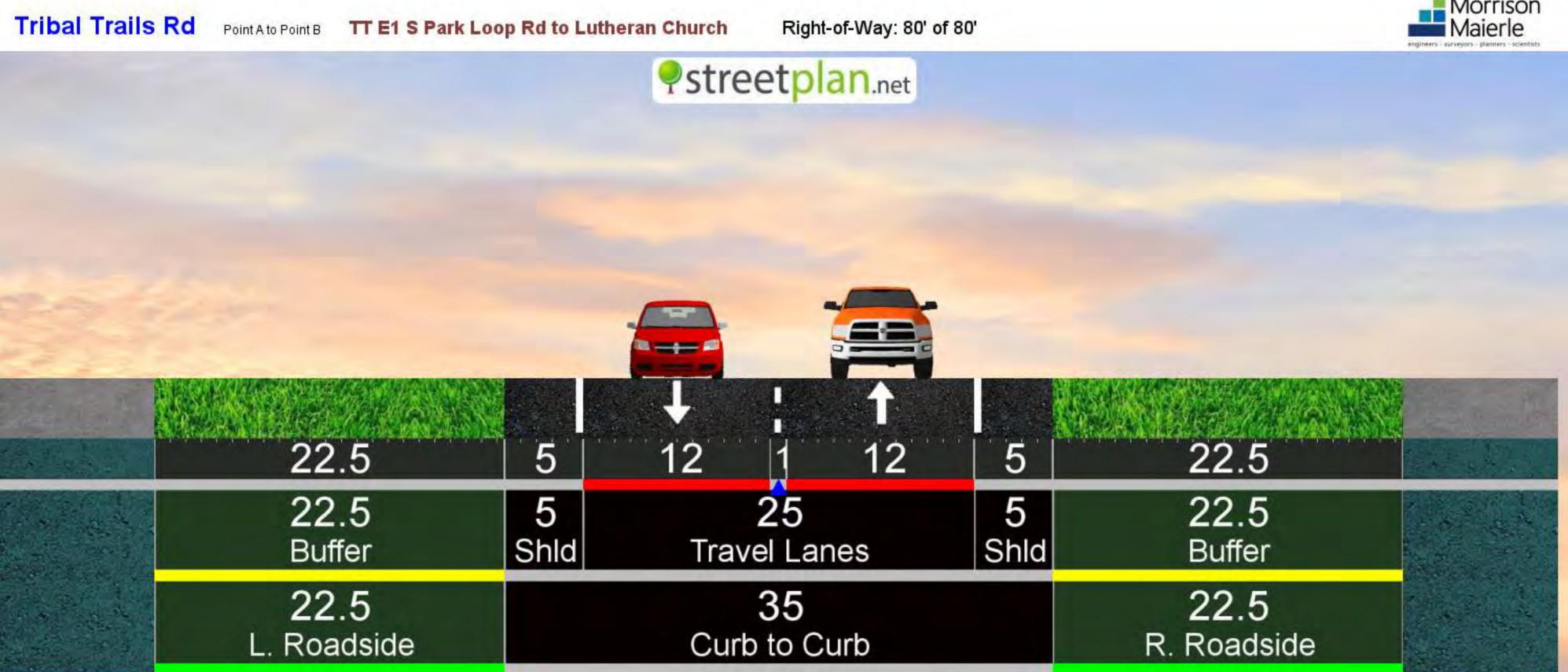




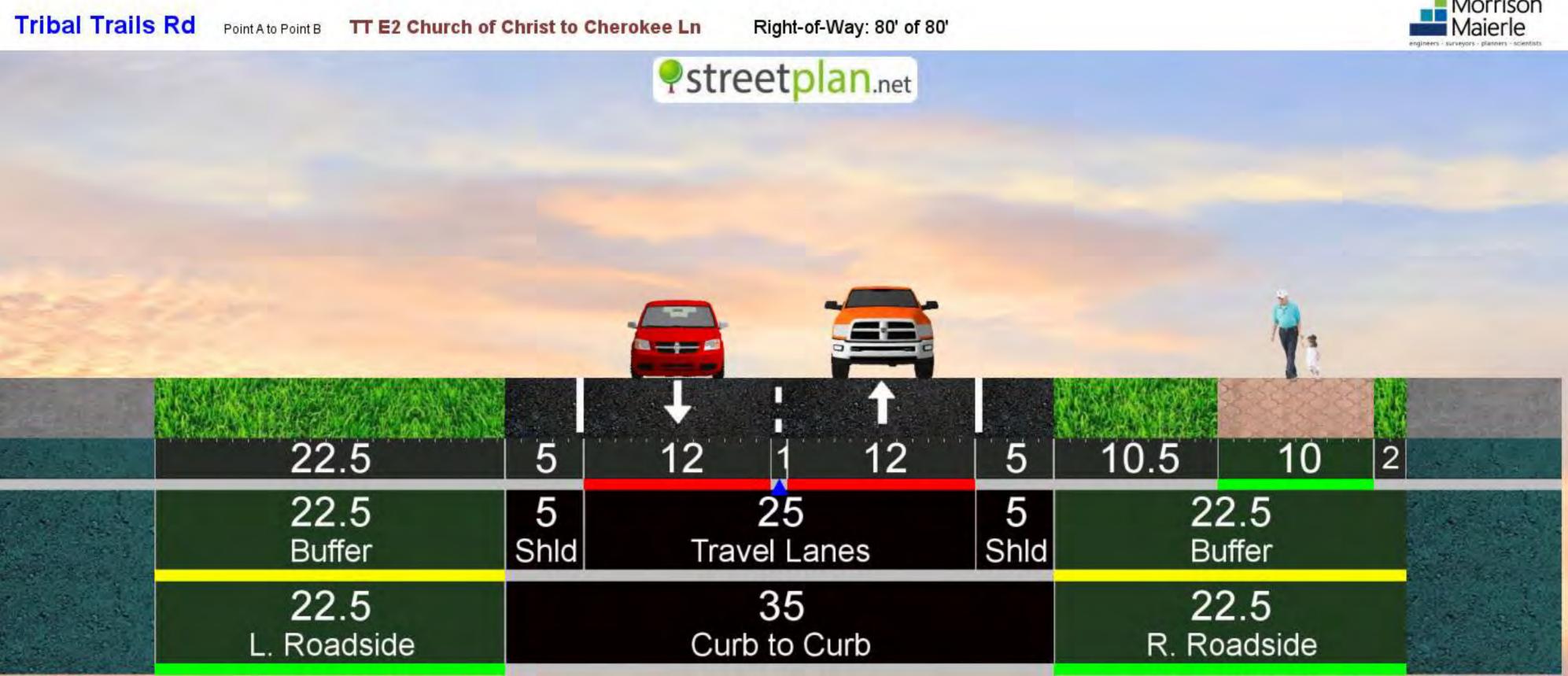






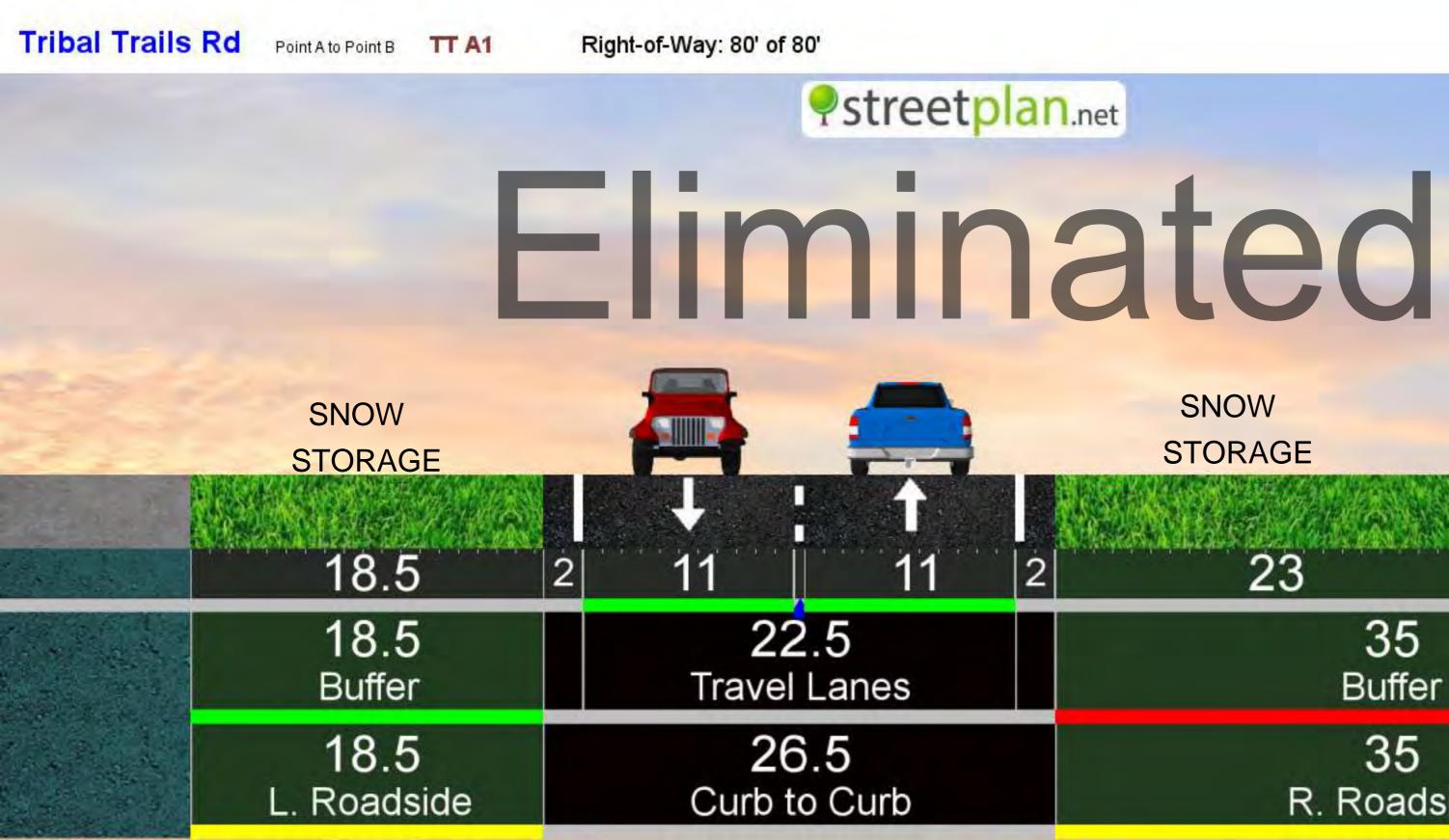
















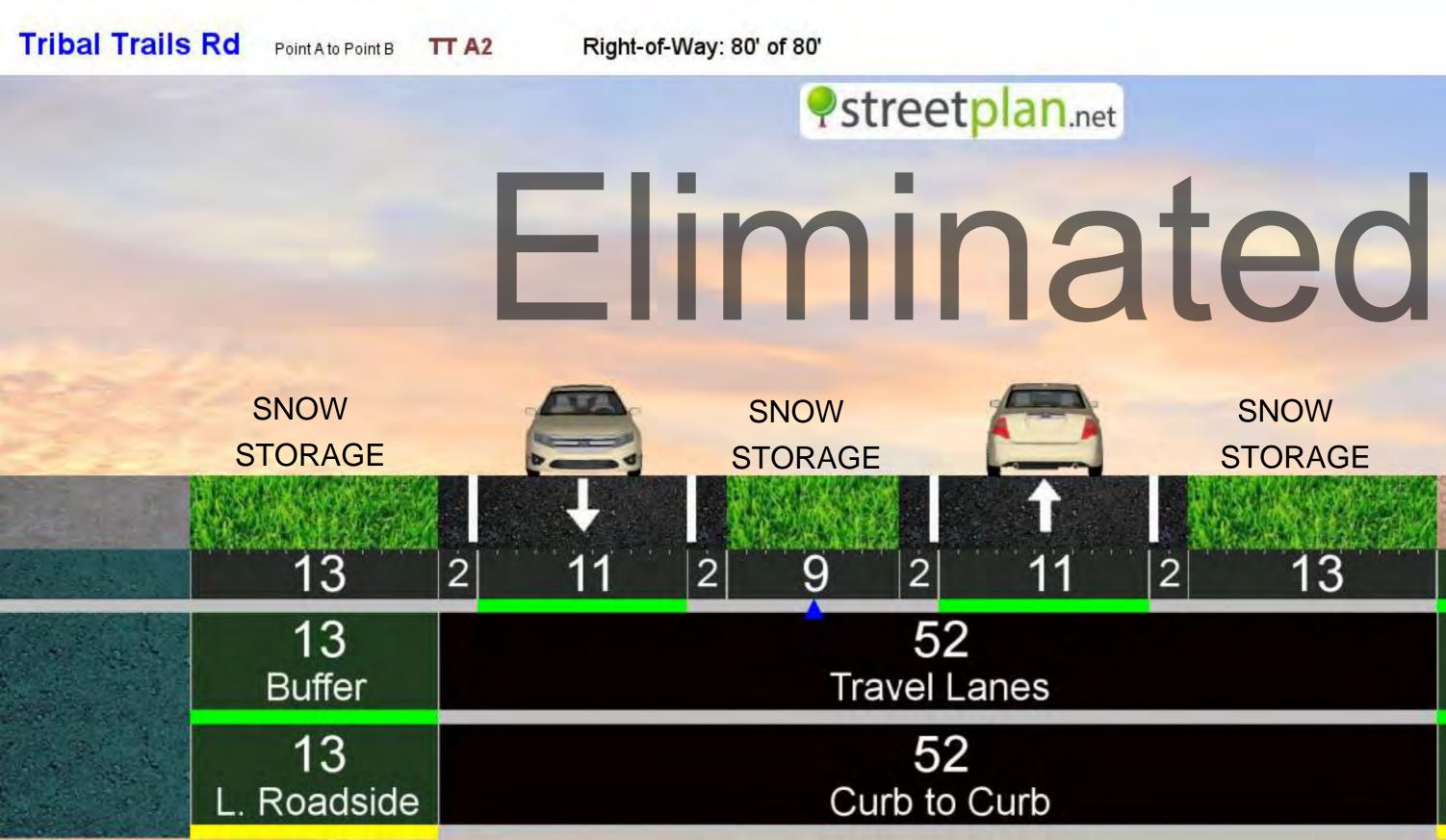
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35 Buffer

10

2

35 R. Roadside







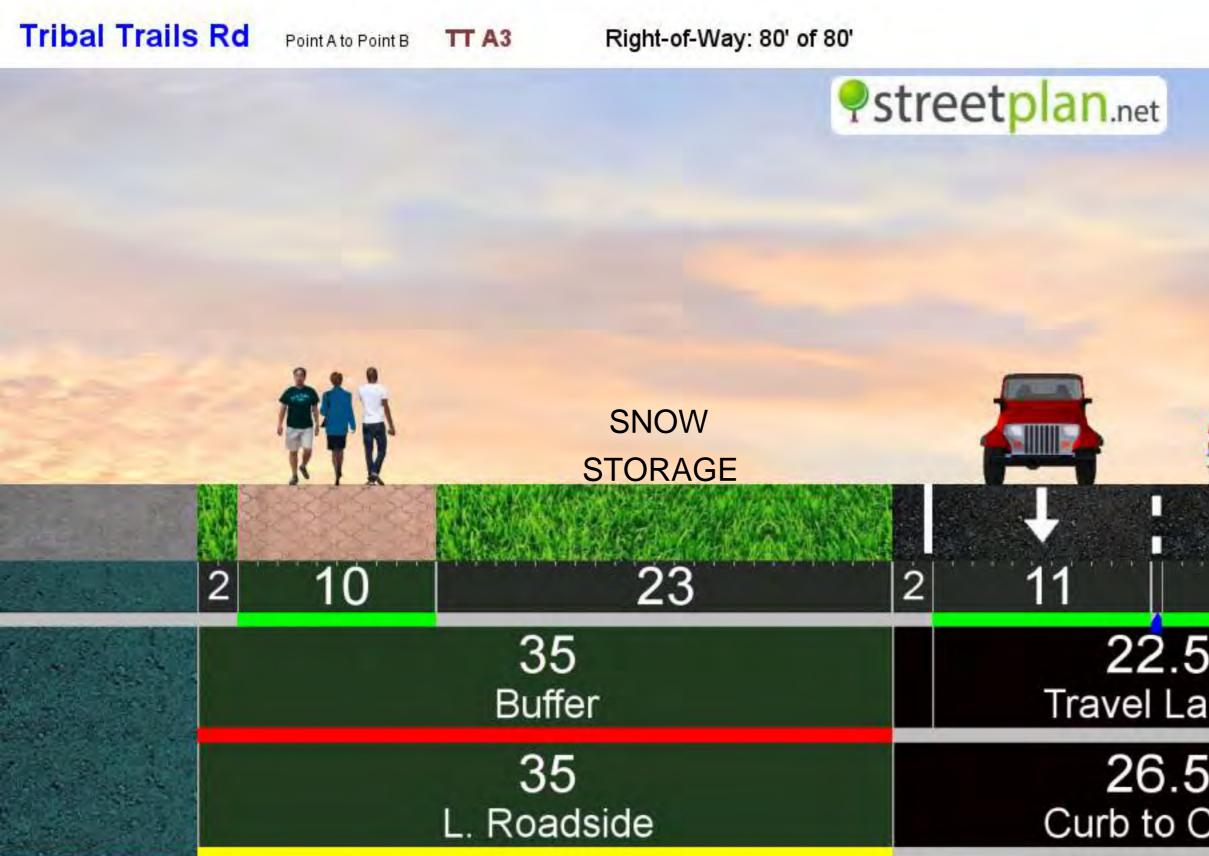
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5

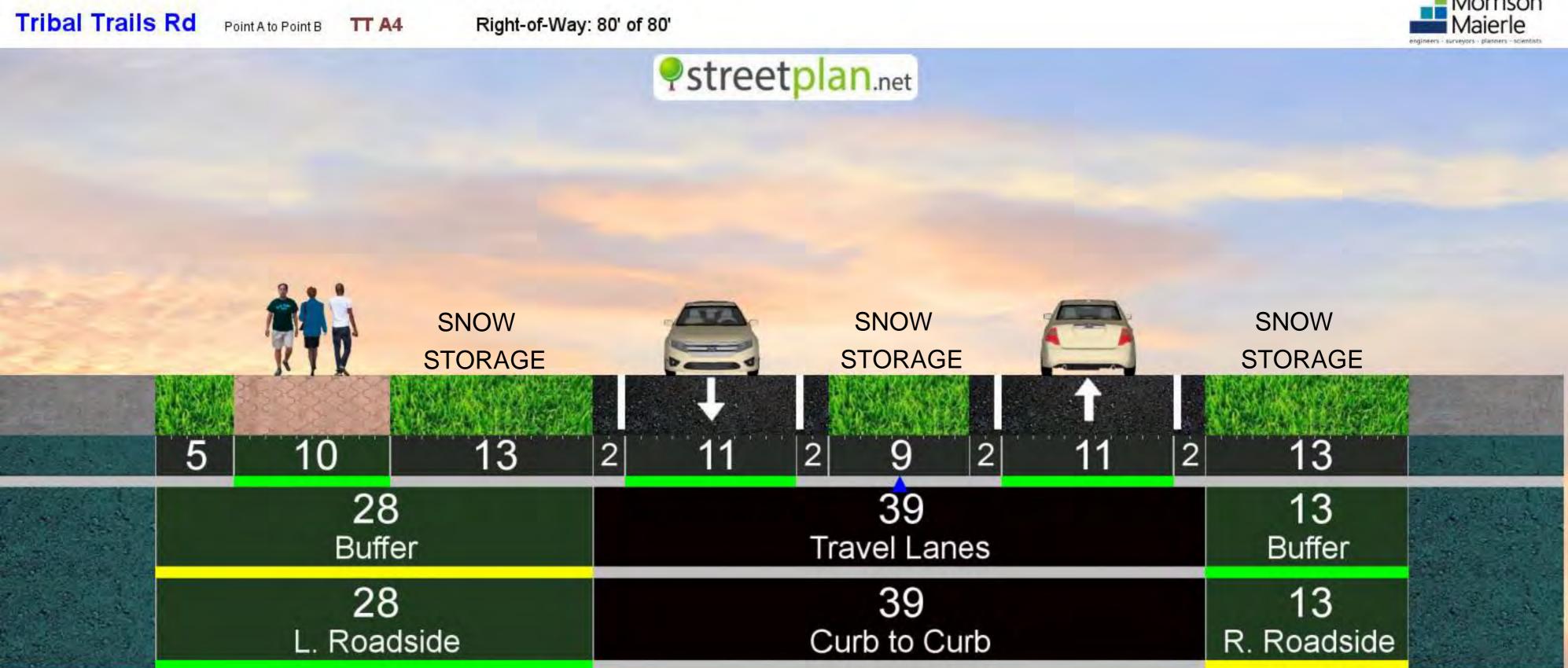
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15 R. Roadside

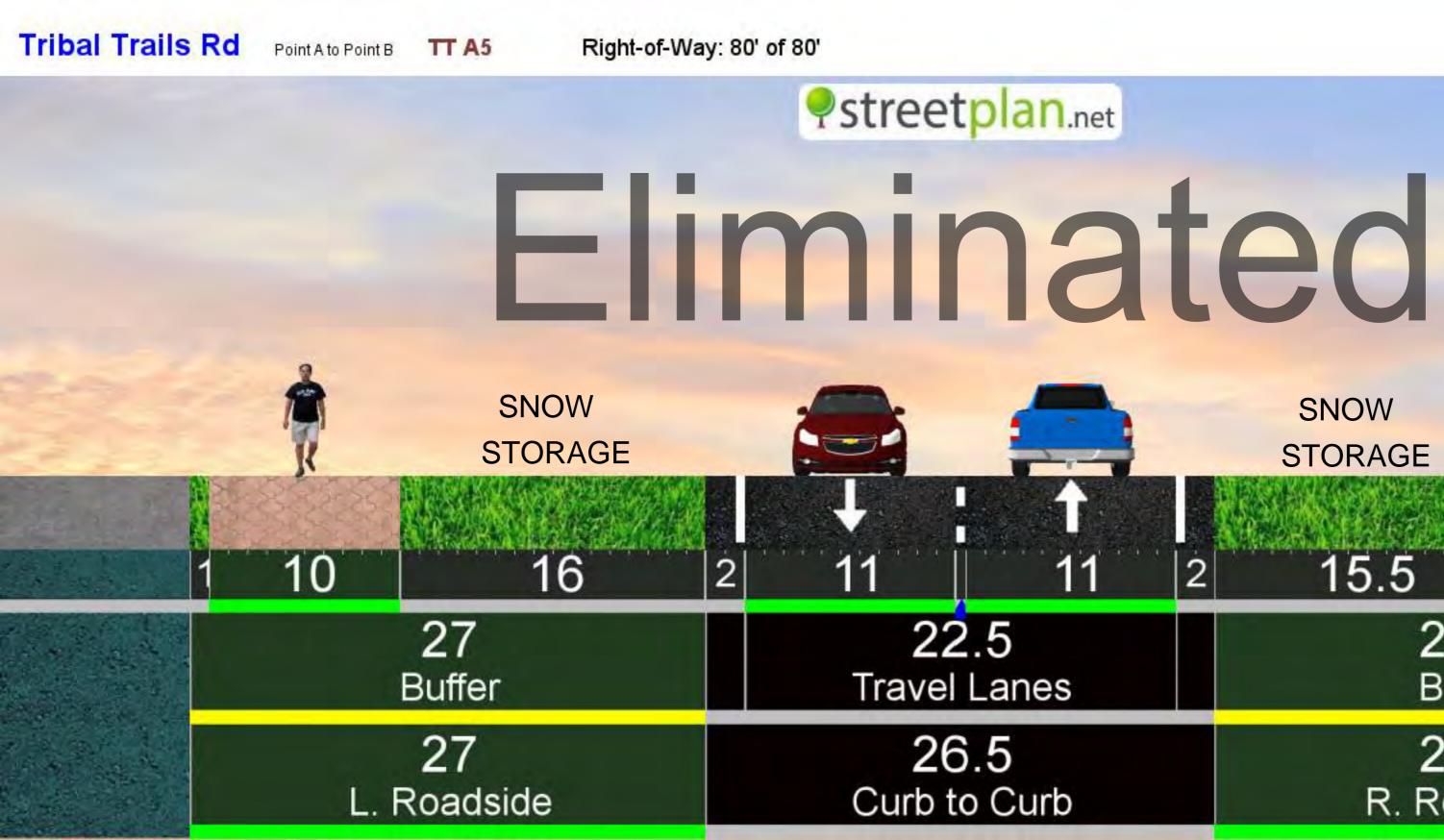




	SNOW STORAGE	
5 anes	18.5 Buffer	
5 Curb	18.5 R. Roadside	











朝鮮				
	2	15.5	10	
		26.5 Buffer	; r	
		26.5 R. Roads		





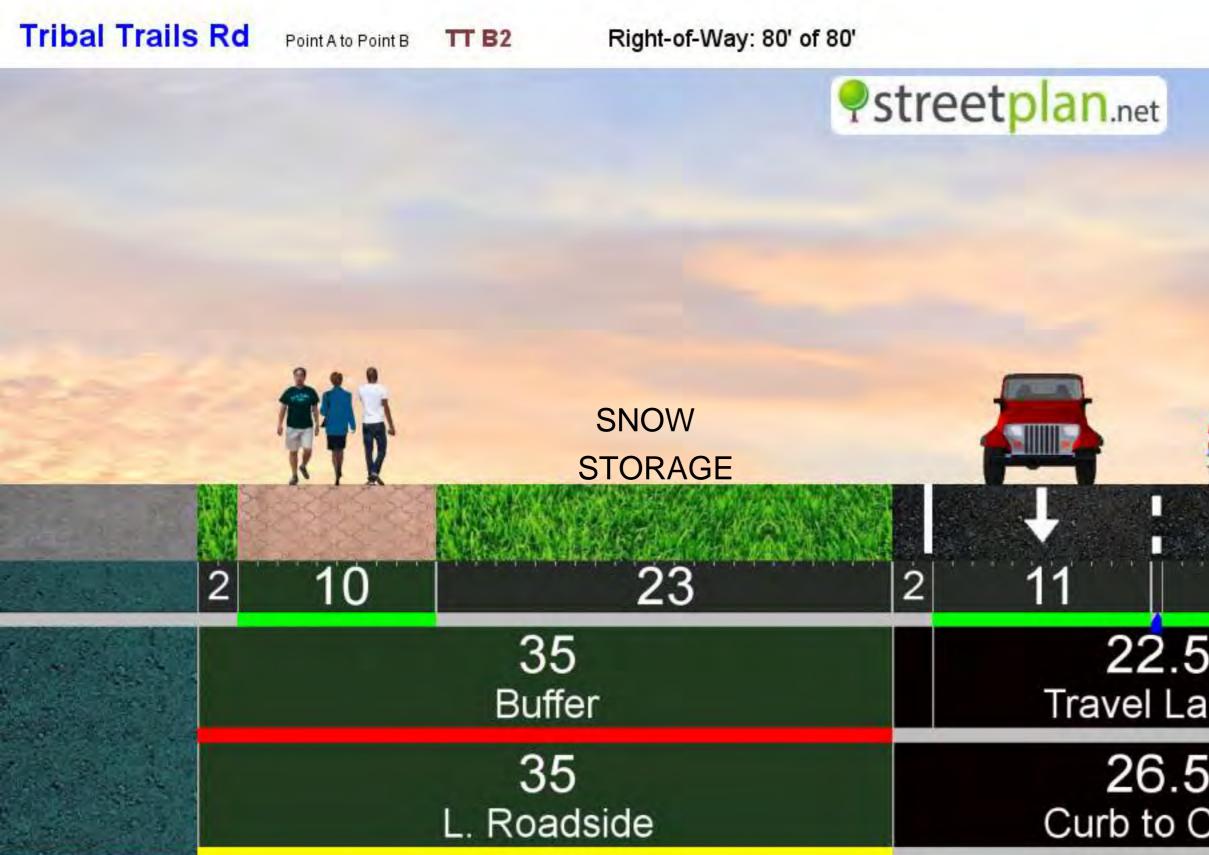
23

35 Buffer

10

2

35 R. Roadside





(· · ·)		SNOW	
		STORAGE	
î			
11	2	18.5	
5		18.5	
anes		Buffer	
5		18.5	
Curb		R. Roadside	
			the second se

