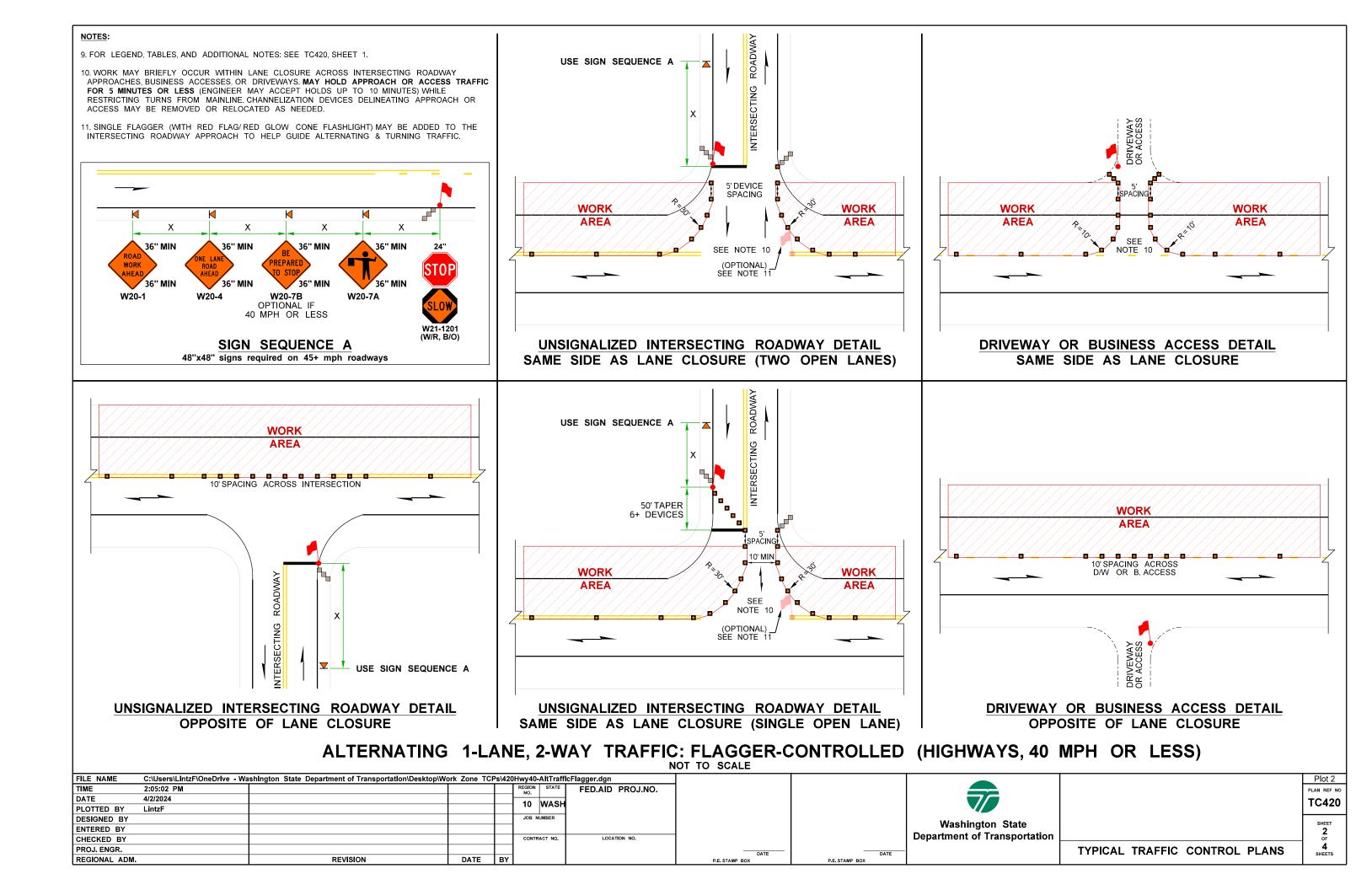
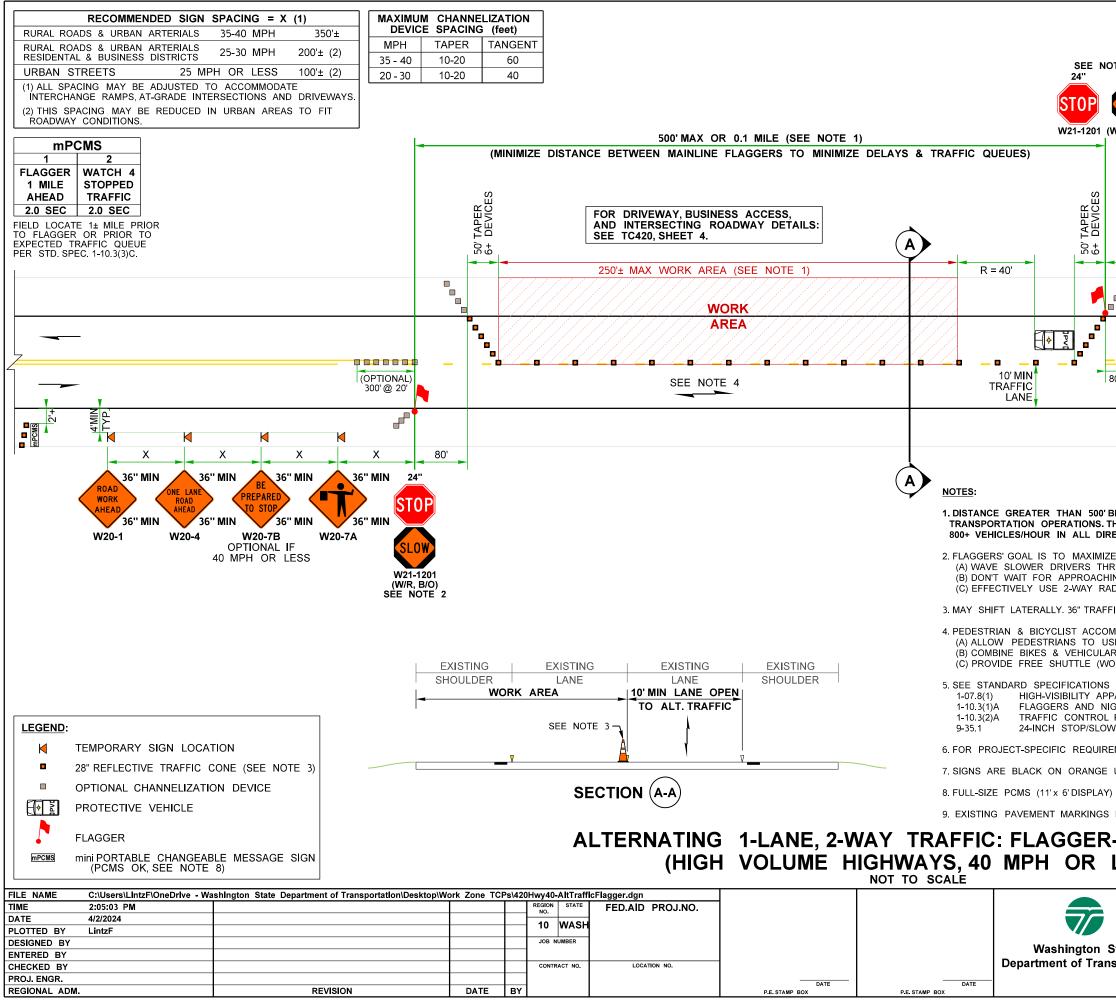
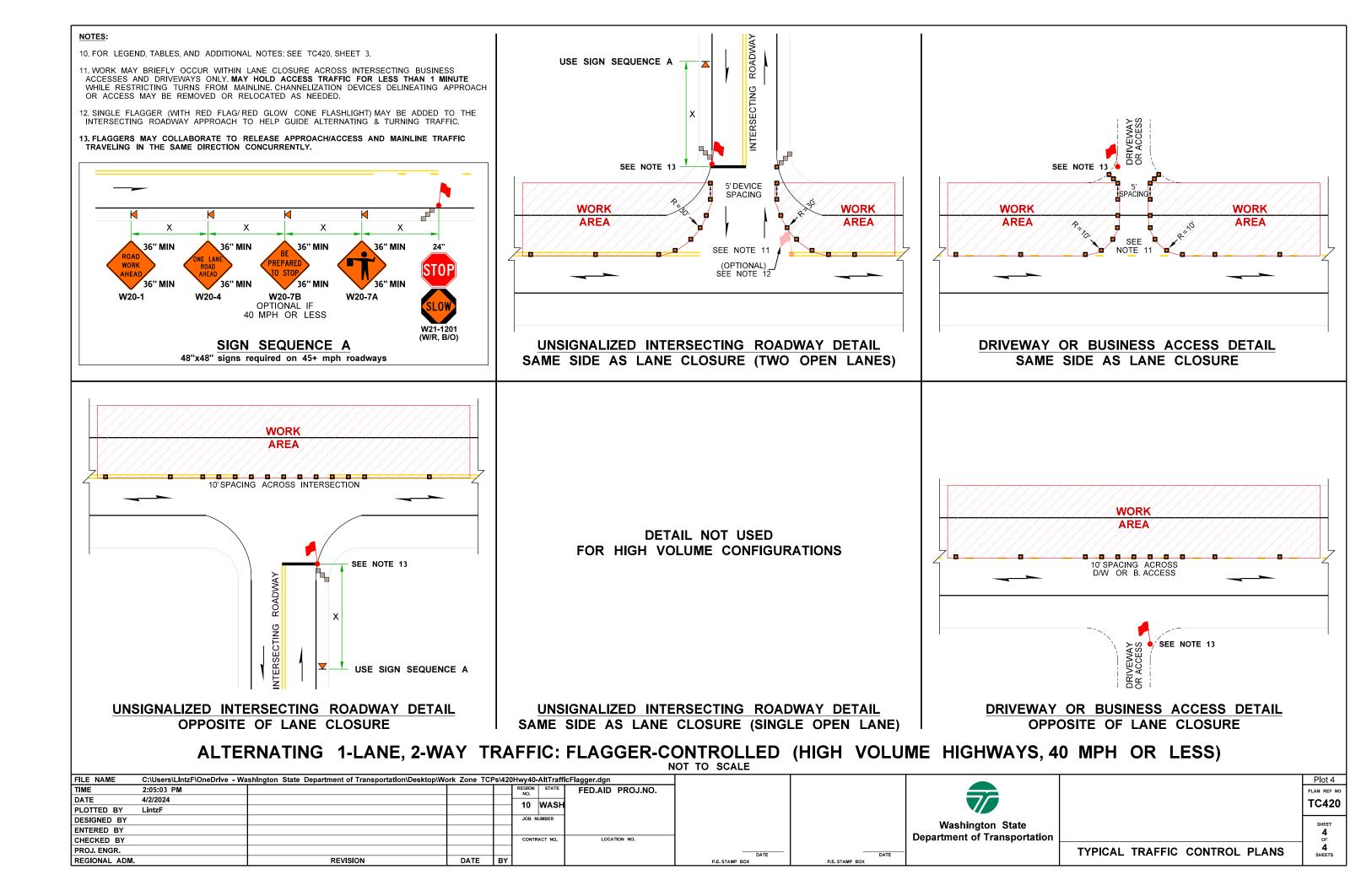


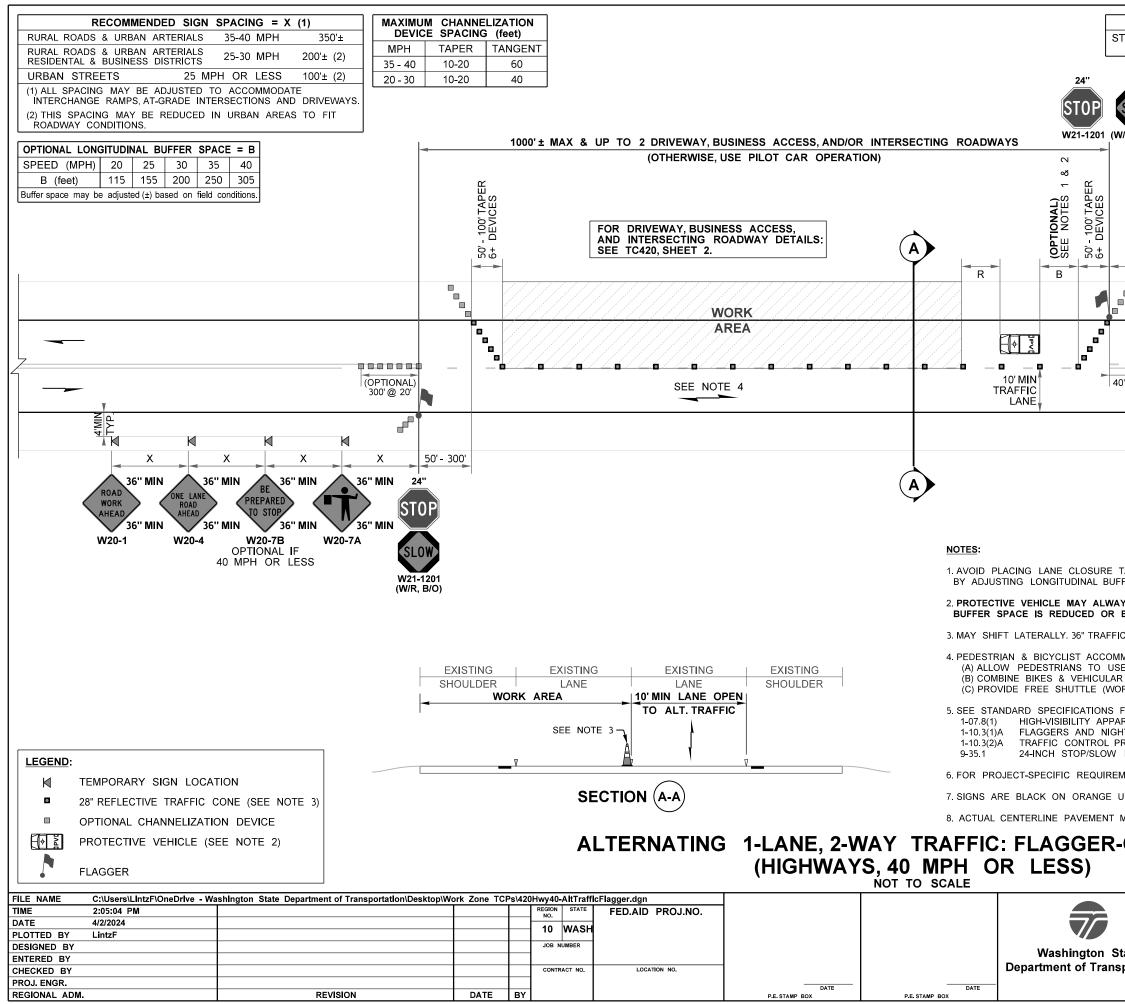
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-	TYPICAL TRAFFIC CONTROL PLANS	4 SHEETS



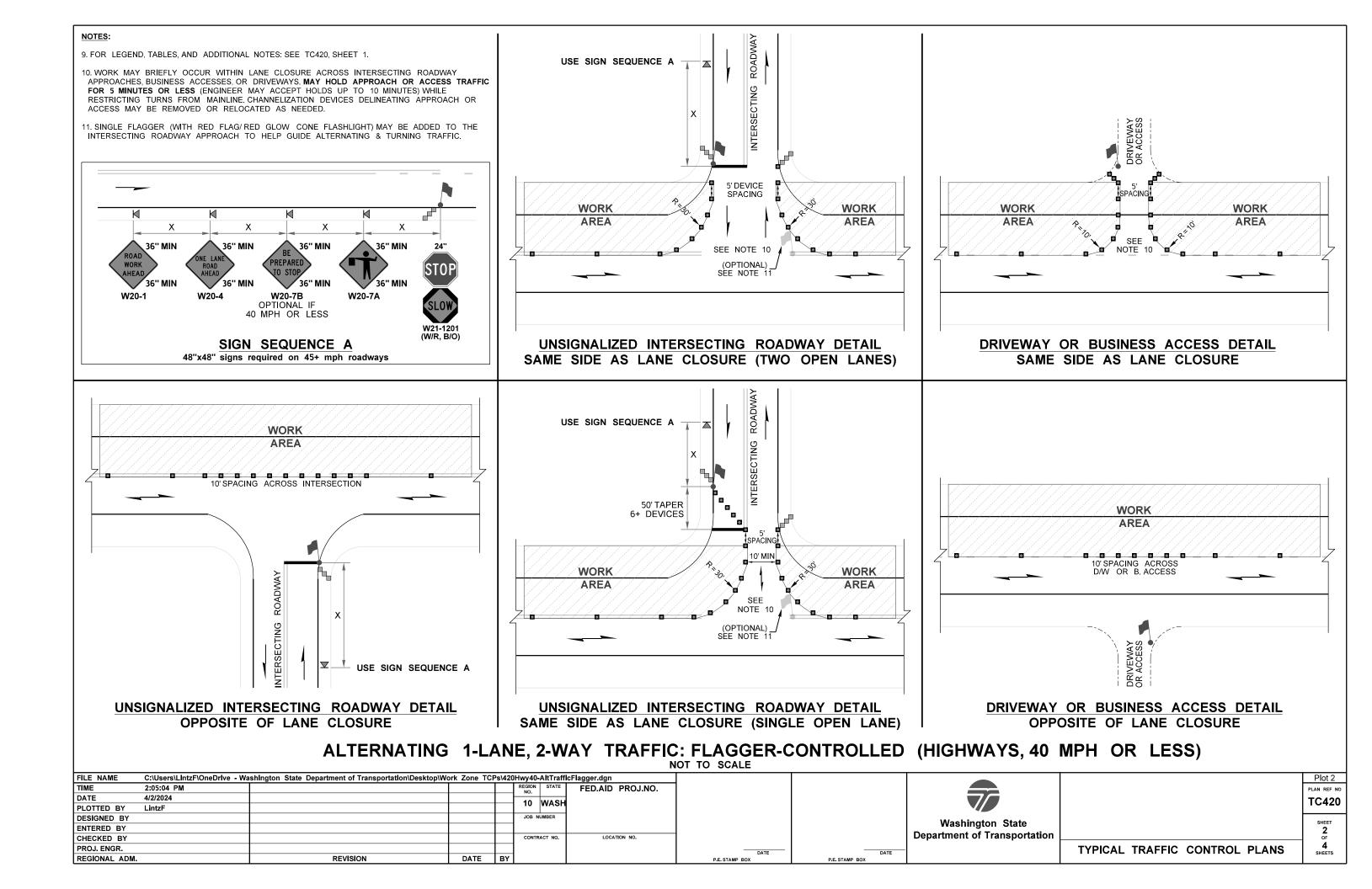


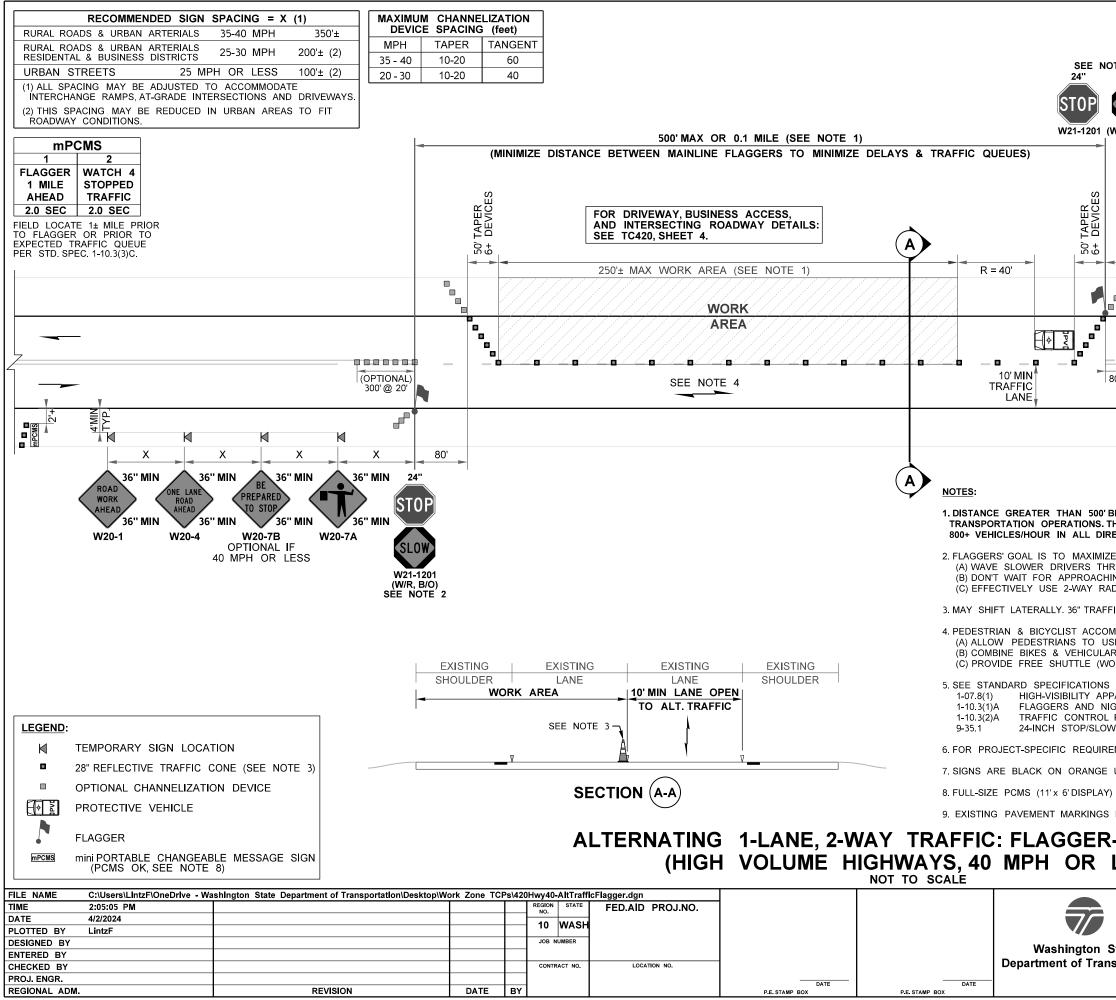
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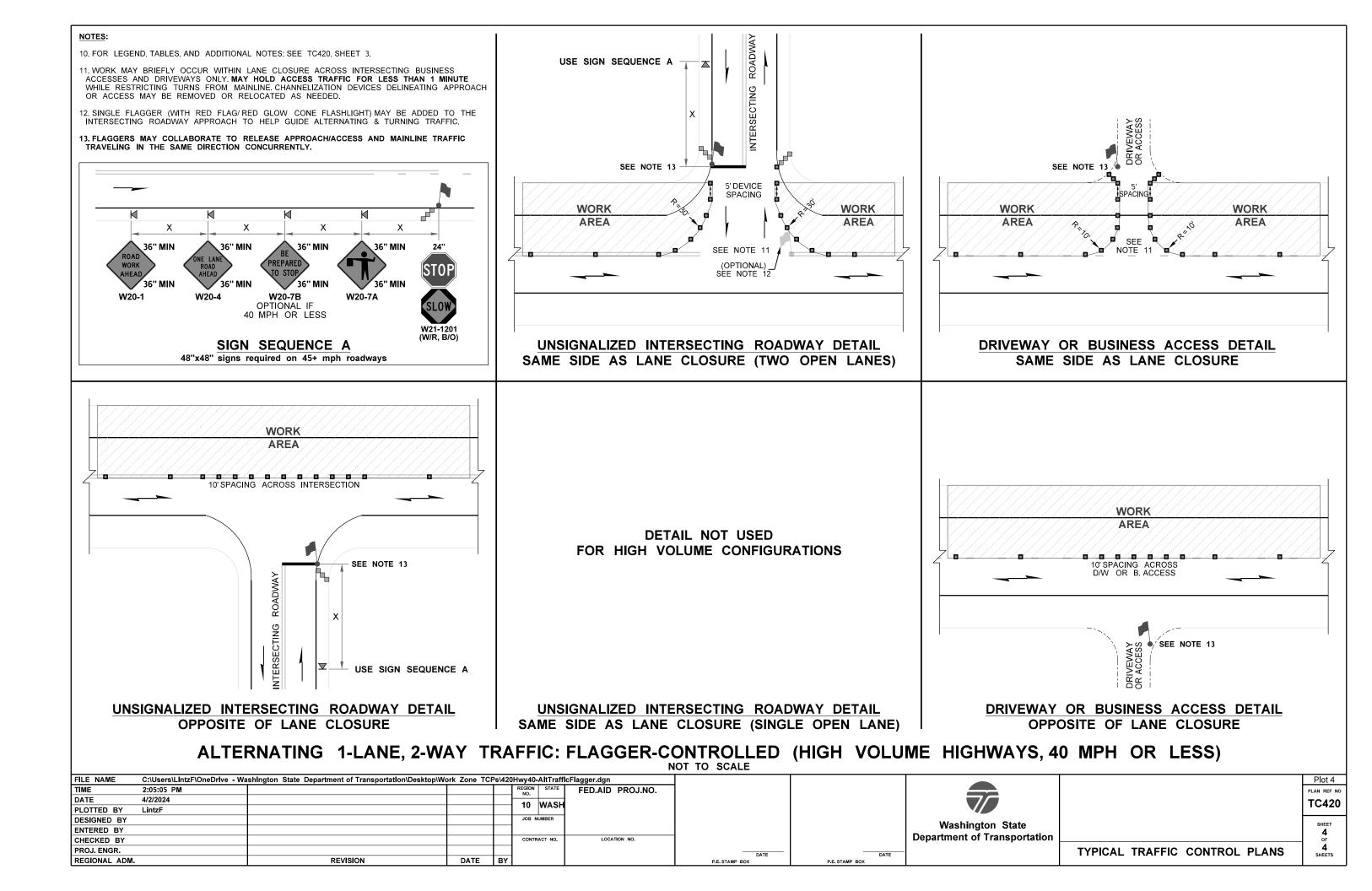


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WORK ZONE MICROSTATION CELLS: Updated work zone cells incorporated (April 2024).

WSDOT CAE automatically updates cell libraries on WSDOT and on-site consultant staff computers (no action needed); however, external users or off-site consultants must manually install them. For additional information e-mail HOCAEHelpDesk@wsdot.wa.gov.

Division 4 in WSDOT Plans Preparation Manual, Section 400.06(29), provides updated work zone cell library policy and information for PS&Es. See https://wsdot.wa.gov/engineering-standards/all-manuals-and-standards/manuals/plans-preparation-manual

TYPICAL TCP USAGE EXPLANATION:

Plot 1: Flagger-controlled 1-lane, 2-way alternating traffic on the mainline for 2-lane highways 40 mph or less with a shared bicycle-vehicle lane.

Plot 2: Details for intersecting roadways and driveway/business access for Plot 1.

Plot 3: Flagger-controlled 1-lane, 2-way alternating traffic on the mainline for 2-lane highways 40 mph or less with a shared bicycle-vehicle lane for high traffic volumes (800+ vehicles/hour in all directions) by minimizing the distance between mainline flaggers.

Plot 4: Details for intersecting roadways and driveway/business access for Plot 3.

Other Alternating Traffic TCPs (45+ mph): See Typical Traffic Control Plan Library

- (https://wsdot.wa.gov/engineering-standards/all-manuals-and-standards/plan-sheet-library/work-zone-typical-traffic-control-plans-tcp)
- * TC320s for flagger-controlled alternating traffic plans
- * TC330s for AFAD-controlled alternating traffic plans
- * TC340s for temporary signal-controlled alternating traffic plans
- * TC350s for traffic holds
- If not published yet, they will be added in the future.

Other Alternating Traffic TCPs (40 mph or less): See Typical Traffic Control Plan Library

- (https://wsdot.wa.gov/engineering-standards/all-manuals-and-standards/plan-sheet-library/work-zone-typical-traffic-control-plans-tcp) * TC420s for other variations of flagger-controlled alternating traffic
 - * TC430s for AFAD-controlled alternating traffic

 - * TC440s for temporary signal-controlled alternating traffic plans
- * TC450s for traffic holds
- If not published yet, they will be added in the future.

DESIGNER NOTES:

- Typical TCPs are not "Standard Plans".
- D. See MUTCD Table 6F-1 for additional temporary sign size information. Work zone signs are usually smaller than those used permanently.
- E, WAC 468-95-300 modifies MUTCD Table 6-1 "Recommended Advance Warning Sign Minimum Spacing". Sign spacing may be adjusted for field should include actual sign spacing values (with À) that have been verified in the field, on SR view, or via Google Maps.
- F. When positioned behind channelizing devices, temporary signs should be mounted at 5' minimum.
- roll ahead distances.
- lane width per MUTCD 6C.08, Paragraph 15. Never use "L" for these tapers.
- I. Channelization devices types may be modified (vertical panel channelizing devices prohibited). 28" reflective traffic cones are recommended on Transportation Operations for information regarding their standard practices.
- J. Maximum channelizing device spacing table for tangents is based on WAC 468-95-301 and may ALWAYS be reduced.
- K. Sequential arrow boards are prohibited at flagger tapers per WSDOT standard practice and per MUTCD Guidance TA-10.
- L. Per MUTCD Section 6C.06, longitudinal buffer spaces are optional. Using longitudinal buffer spaces listed in MUTCD Table 6C-2 is recommended as
- M. The lateral buffer (transverse distance between open travel lanes and work area) is optional. No lateral buffer has been provided in these Typical TCPs due to the low speeds of alternating traffic. Actual work area limits may be modified.
- N. On roadways 40 mph or less, WSDOT best practice is to place a protective vehicle (PV) in the closed lane in advance of the work area with a full added prior to multiple work crews within a work area. Contact Region Transportation Operations for their standard practice.
- O. Placing channelizing devices transversely (at 45° and 5-foot spacing) is an optional strategy to stop move errant drivers traveling within the closed lane(s) but is not shown in the Typical TCP.
- P. The downstream taper of 50'-100' is required on 1-lane, 2-way traffic configurations.
- this Typical Traffic Control Plan, but may be adjusted. Contact Region Transportation Operations for additional guidance.

ALTERNATING 1-LANE, 2-WAY TRAFFIC: FLAGGER-CONTROLLED (HIGHWAYS, 40 MPH OR LESS)

A. Contact Region Transportation Operations to determine which Typical TCP(s) to utilize, as their are several variations available (or soon will be).

B. These typical traffic control plans may be modified for site specific situations and/or WSDOT Region Transportation Operations standard practices.

C. Do not use intermittent (old: "variable") regulatory work zone speed limit reductions for flagging or AFAD operations. Instead, maintain the existing speed limit (or continuous regulatory work zone speed limit reduction, if applicable). See WSDOT Traffic Manual Section 5-18 and Executive Order E1060 regulatory speed limit reductions & advisory speed approval policy for work zones thru Region Transportation Operations.

conditions based on engineering judgement. The Sign Spacing table is acceptable to use in Typical TCPs; however, site-specific traffic control plans

G. For this Typical TCP, the work zone design speed is based on the existing posted speed limit for sign spacing, channelizing device spacing, buffer, and

H. "Flagger tapers" are always 50'-100' per closed lane with 6 devices minimum (10'-20' spacing on the taper), regardless of the posted speed limit or

flagger-controlled alternating traffic (especially for access delineation to maintain visibility for turning motorists). 36" reflective traffic cones, 42" tall channelizing devices, or traffic safety drums may be used. Warning lights on channelizing devices is being phased out in Washington. Contact Region

best practice when feasible, but may be adjusted based on engineering judgement. The Longitudinal Buffer Space table is acceptable in Typical TCPs; however, site-specific traffic control plans should include actual buffer distances that have been verified in the field, on SR view, or via Google Maps.

longitudinal buffer space to provide errant vehicles an opportunity to stop before impacting the PV. On roadways 40 mph or less, the longitudinal buffer is optional and may be eliminated (still okay to use PV, upgrading to transportable attenuator is not required). Additional PVs (or TAs) may be

Q. Duration of traffic holds for driveways, business accesses, and/or roadway approaches is listed as 5 minutes (1 minute on high volume highways) in

	INFORMATIONAL USE ONLY	TC420
_	CONTRACT PS&Es or TCP SUBMITTALs.	
	DESIGNER GUIDANCE	