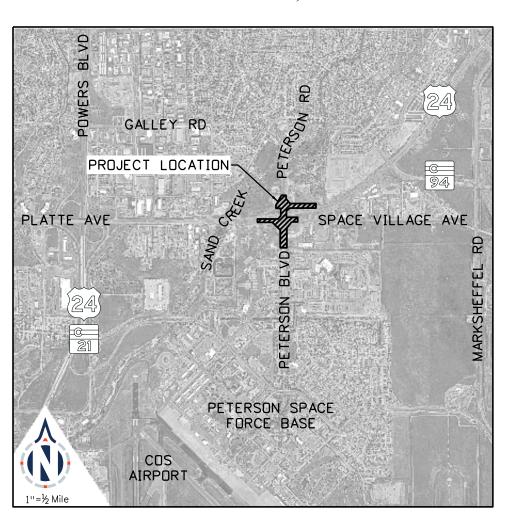


CITY OF COLORADO SPRINGS PUBLIC WORKS DEPARTMENT

PRELIMINARY (30%) PLANS OF PROPOSED **US HIGHWAY 24 & PETERSON BLVD/RD ROUNDABOUTS DECEMBER 20, 2023**



Colorado Springs, CD 80905 Tel: 719-299-5077, basisp.com



INDEX OF SHEETS

- Title Sheet

- Summary of Approximate Quantities
- Tabulation of Quantities
- Typical Section
- Horizontal Geometry
- Removal Plan
- Roadway Plan
- Roadway Profile
- Grading Plan Wall Plan & Profile

 - Wall Typical Section
 - 67 Drainage General Notes
- Drainage Plan 68 to 75
- Drainage Profile
- Utility Investigation Plan
- Striping Plan
- Signing Plan
- Construction Phasing Plan
- Cross Section
- Roadway Fastest Path Plan
- Roadway Sight Distance Plan
- 136 to 154 Roadway Swept Path Plan

Survey Control

City of COS Std Dwgs 6B, D24, TR1

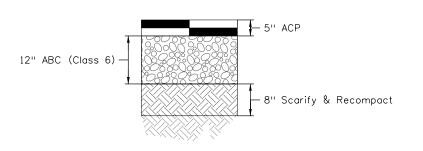
CDOT Std Dwgs M-412-1, S-627-1

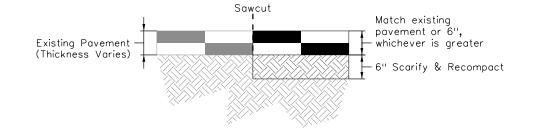
DESIGN CRITERIA

CRITERIA		UNITS	Roundabout			ay Ed.	26,	
		UNITS	South	North		Highway 672, 2nd Ed		
Approximate Inscribed Diameter		LF	180	160		ative eport <i>Guide</i>	nsin Facilities , Section	
Desirable Fastest Path	R1 - Entry Path	MPH	25 to 30 15 to 25		ces:	opera P) Re ional (Wisconsin tion Facili er 11, Se	
	R2 - Circulating Path	MPH			Source it! Coop (NCHRP) prmation oloy: Wii portatio Chapter			
	R3 - Exit Path	MPH	SSD fo	r Xwalk	Design	Design: Nat'l Cooperative rogram (NCHRP) Repor ts: An Informational Guid	n: Na Jmro Jmro thoda	Methodoloy f Transport <i>Manual</i> , Cha 2022
	R4 - Left Turn Path	MPH	10 to	20	out Designor		2 , * 1	
	R5 - Right Turn Path	MPH	15 to	20	Roundabout	etric rch P	test Path artment c <i>elopment</i> ember 15	
Design Vehicle, Side-by-Side, w/in l		Lanes	SU-30		Key Rour	- Geometric Research P <i>Roundabou</i>	Fastest Departn <i>Develop</i> Novemb	
Design Vehicle, on Pavement			WB-67				1 42	

CRITERIA	UNITS	US24	Pete	Space		
UNITS UNITS		0324	Blvd	Rd	Village Ave	
Posted Speed (Existing)	MPH	55	30/15	30	45	
Posted Speed (Proposed)	MPH	55	30/15	30	45	
Design Speed	MPH	55	30	30	45	
Traffic AADT (Existing)	VPD	41,800	15,200	9,100	4,700	
Traffic AADT (Year 2026)	VPD	49,000	21,400	10,800	6,100	
Traffic AADT (Year 2045)	VPD	74,100	26,200	17,700	12,800	
Traffic % Trucks	%	N/A	3	3	3	
Functional Classification (City)	N/A	N/A	Minor Arterial			

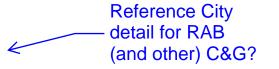
Z

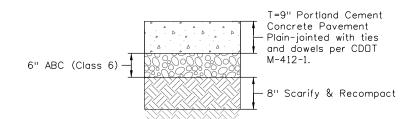




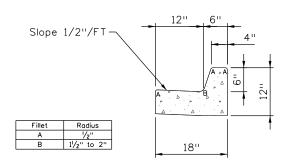
PAVEMENT SECTION DETAIL ACP Full Depth

PAVEMENT SECTION DETAIL
ACP Patching

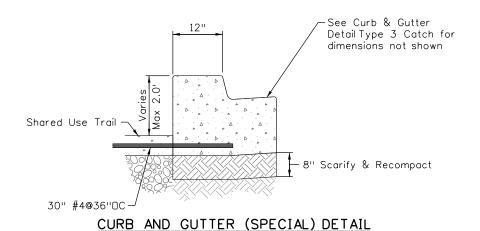


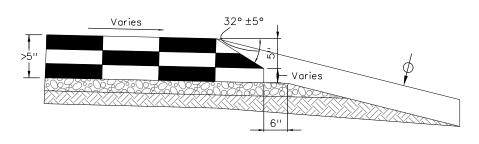


PAVEMENT SECTION DETAIL
Concrete Pavement

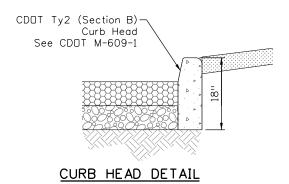


CURB AND GUTTER DETAIL
Type 3 Catch





PAVEMENT DETAIL ACP Safety Edge



<u>LEGEND</u>		1	
PCMP	Roundabout Apron	P Topsoil	
Concrete	ACP (Proposed)	·	
ABC	ACP (Existing)		

D A C C Basis Partners	Detailer: KAG	Print Date: 12/20/2023
BASIS Basis Partners 25 N Spruce Street, Suite 310 Colorado Springs, CD 80905	Designer: STV	Horiz. Scale: NTS
	Reviewer: STV	Vert. Scale: NTS

	Sheet Revisions				
		Date	Comments	Init	
COLORADO	000				
51 141 145					

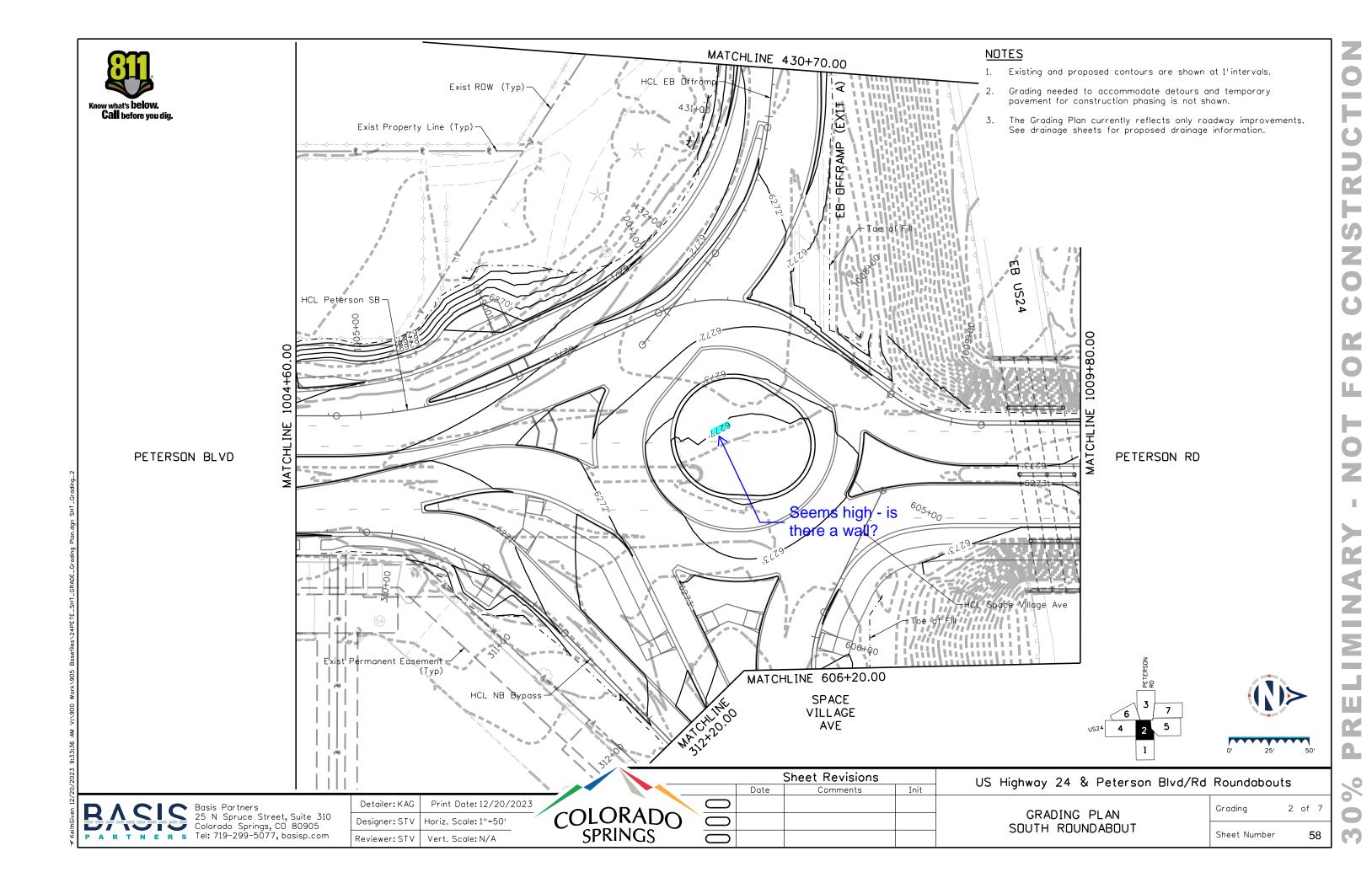
US Highway 24 & Peterson Blvd/Rd Roundabouts

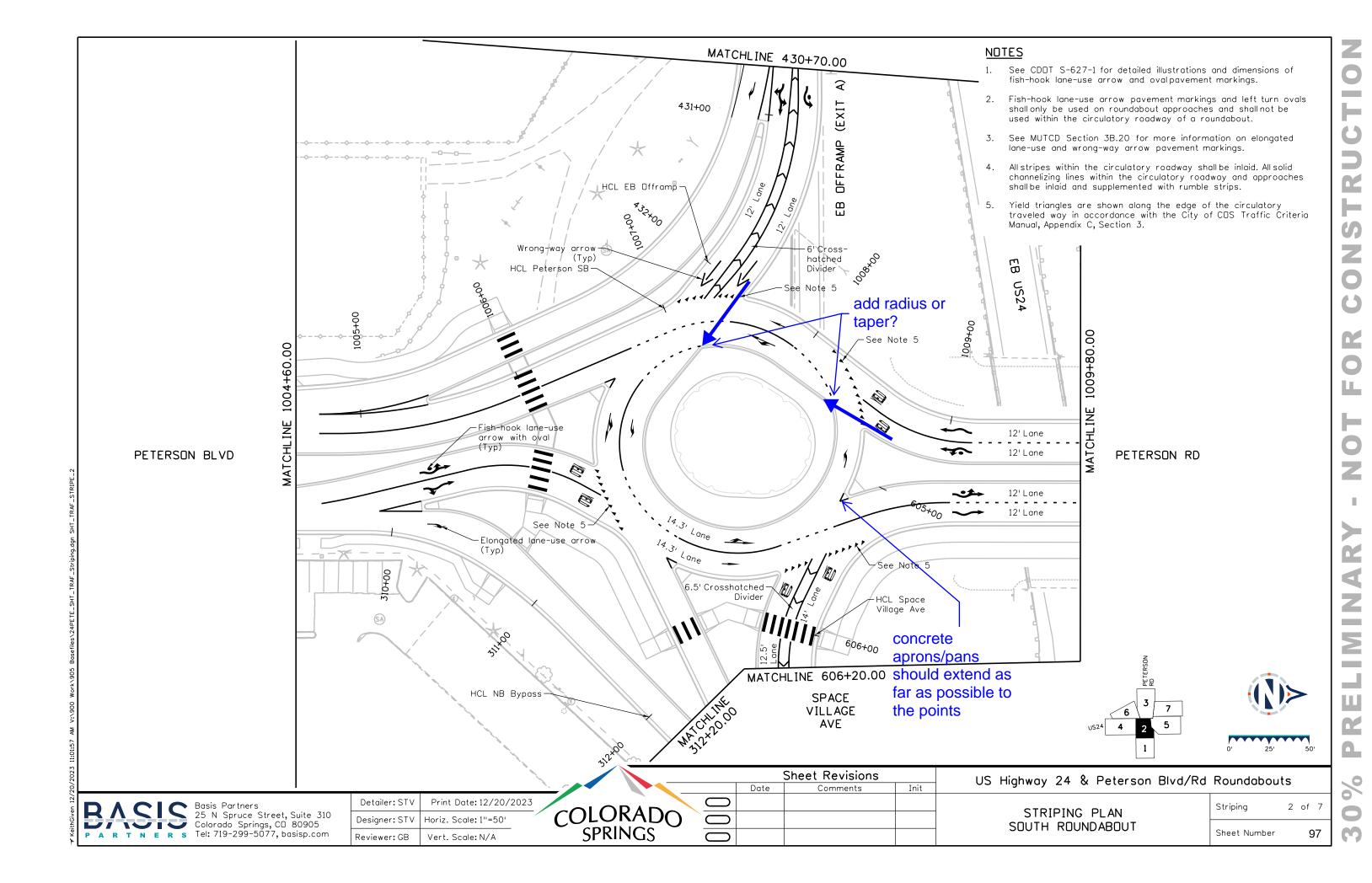
TYPICAL SECTION

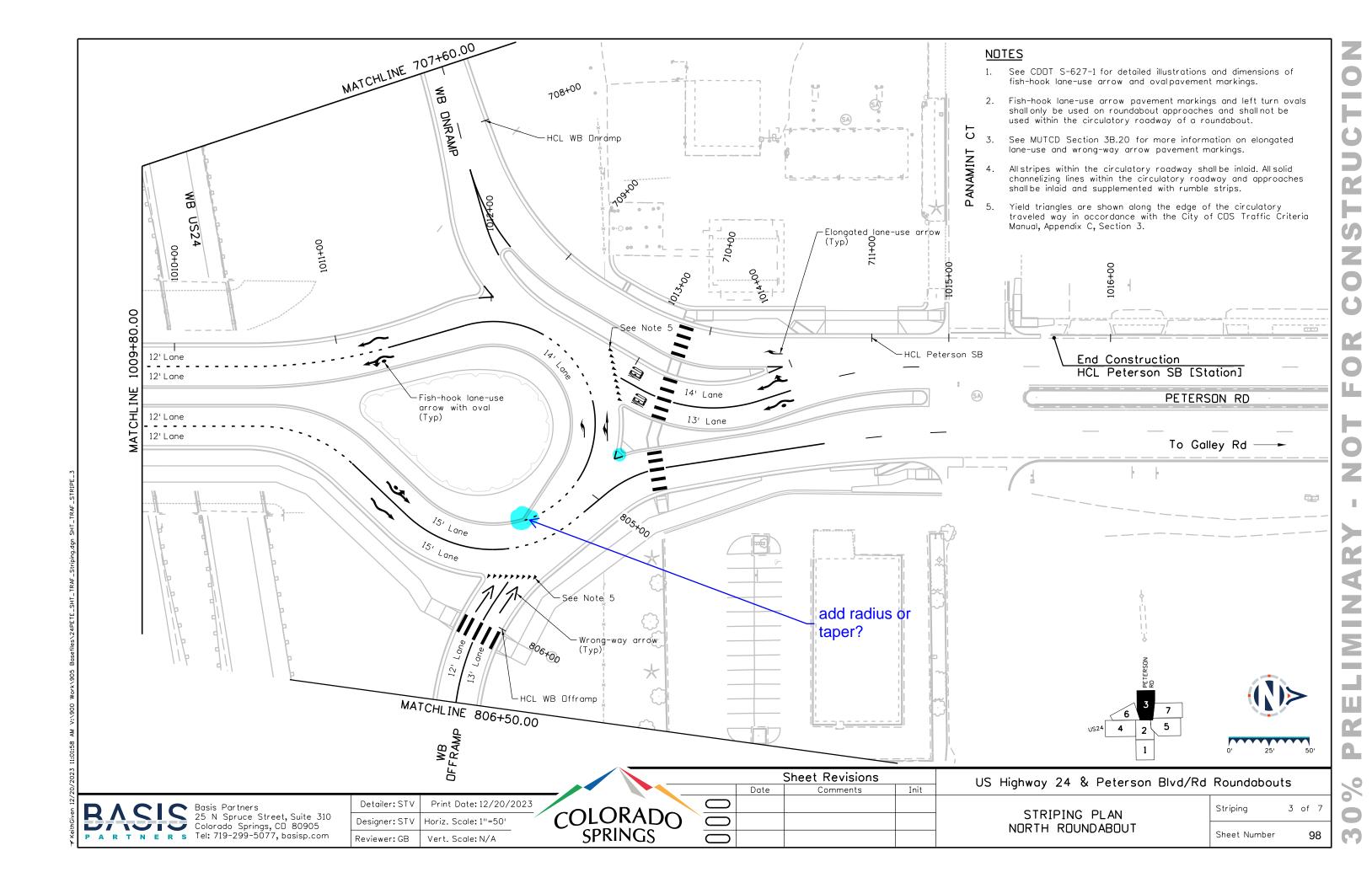
DETAIL

Typical 6 of 6

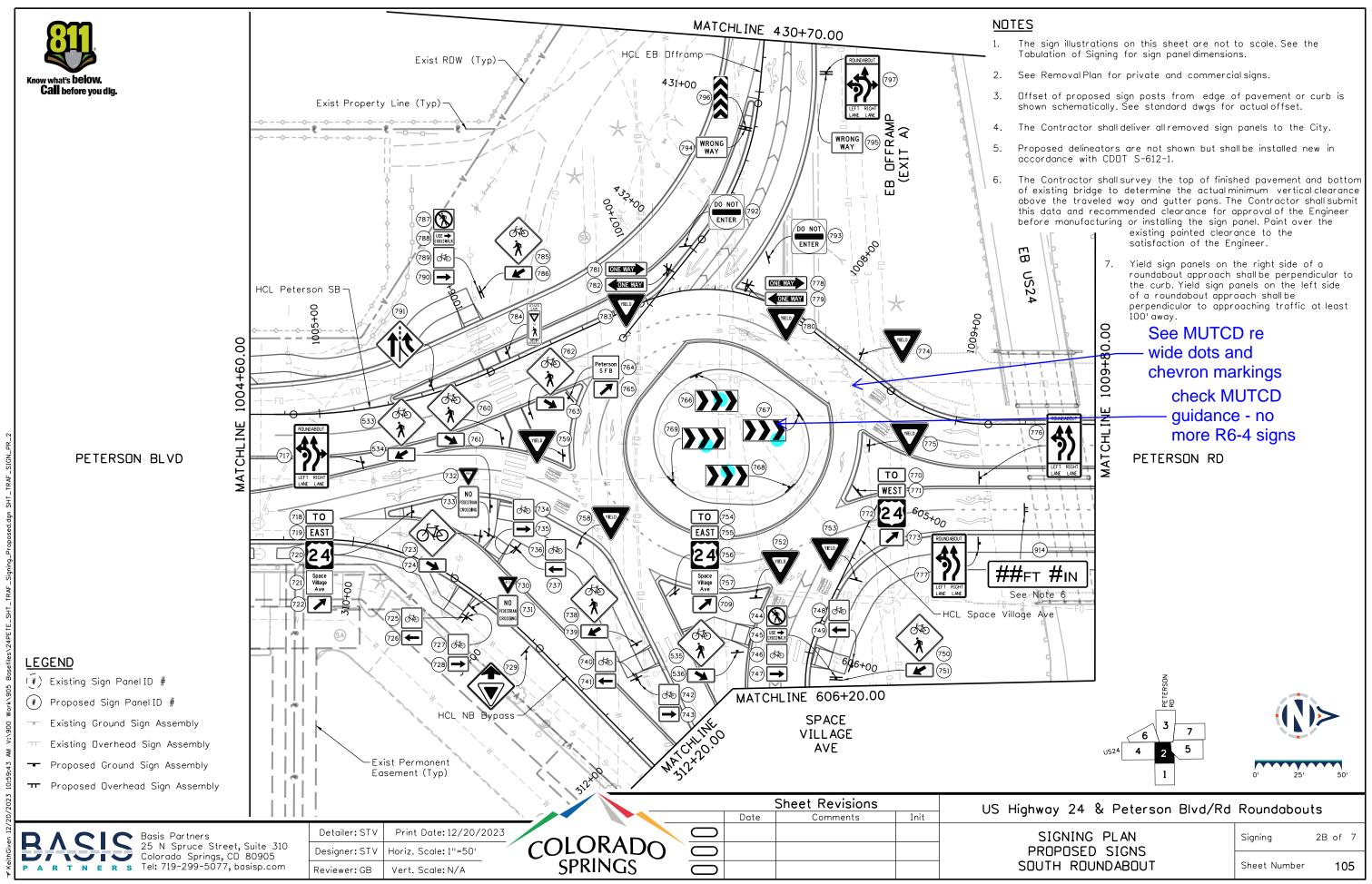
Sheet Number 11

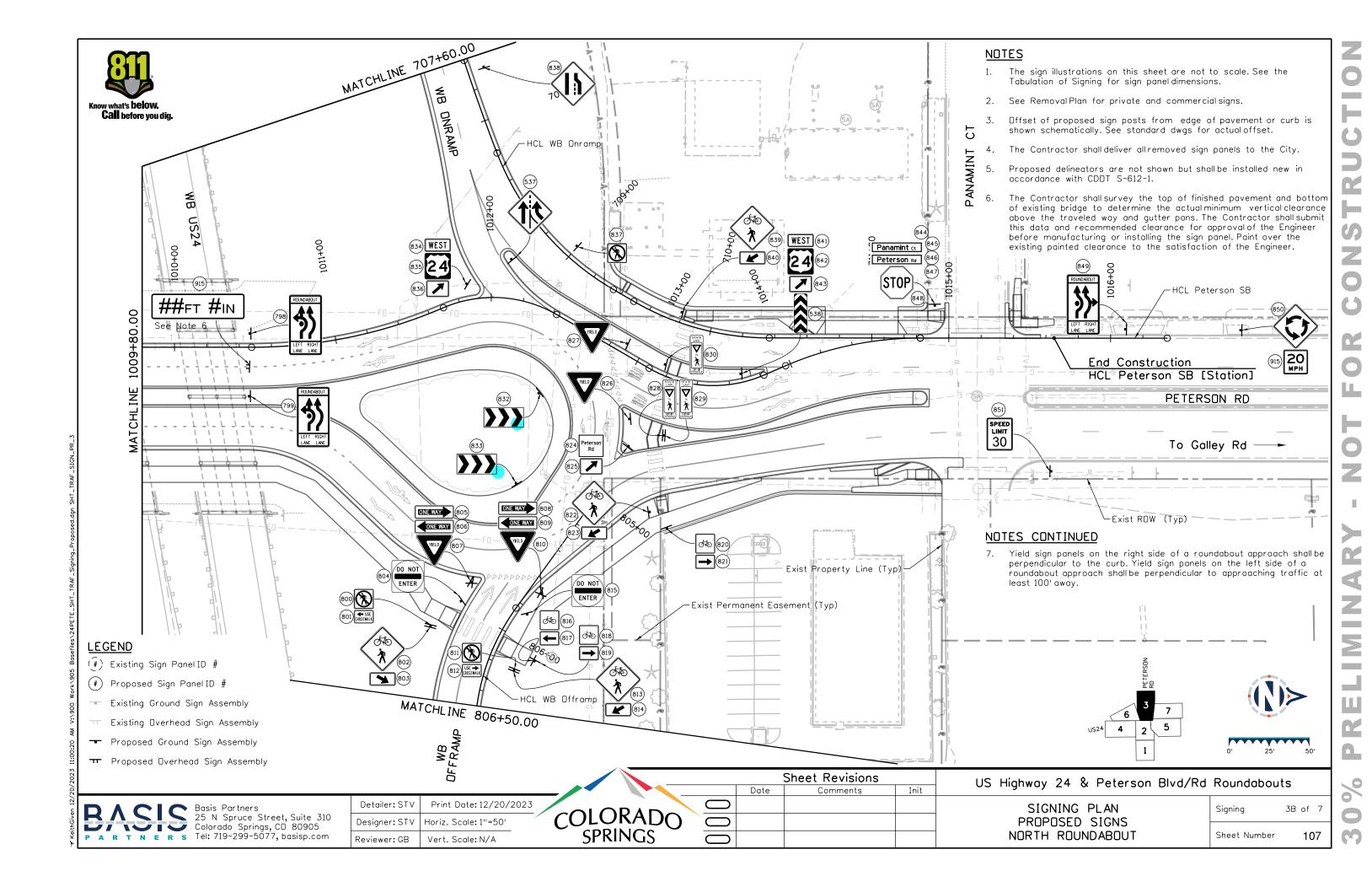












Reference Sheet 11 for special G&G details?)

