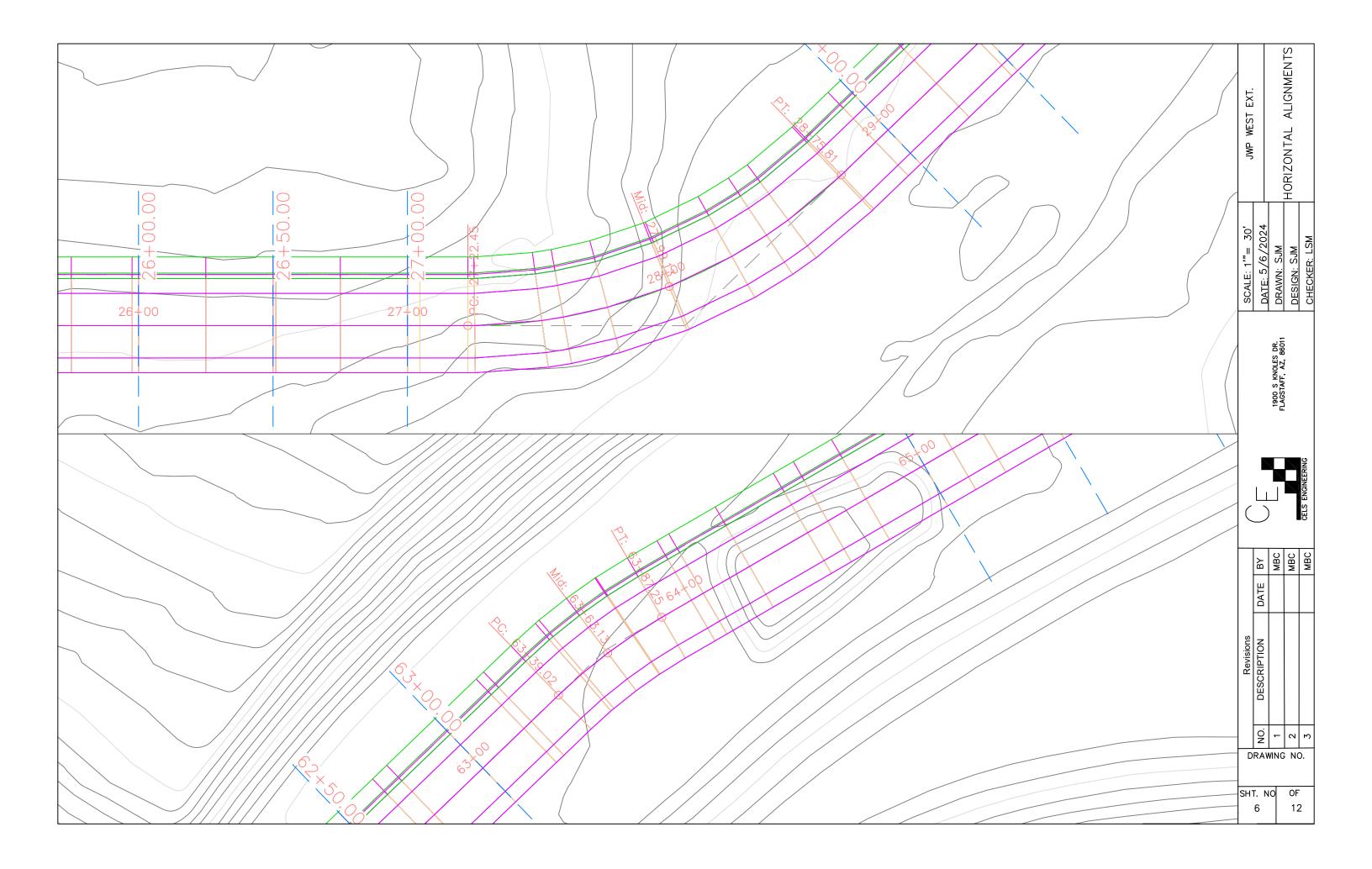
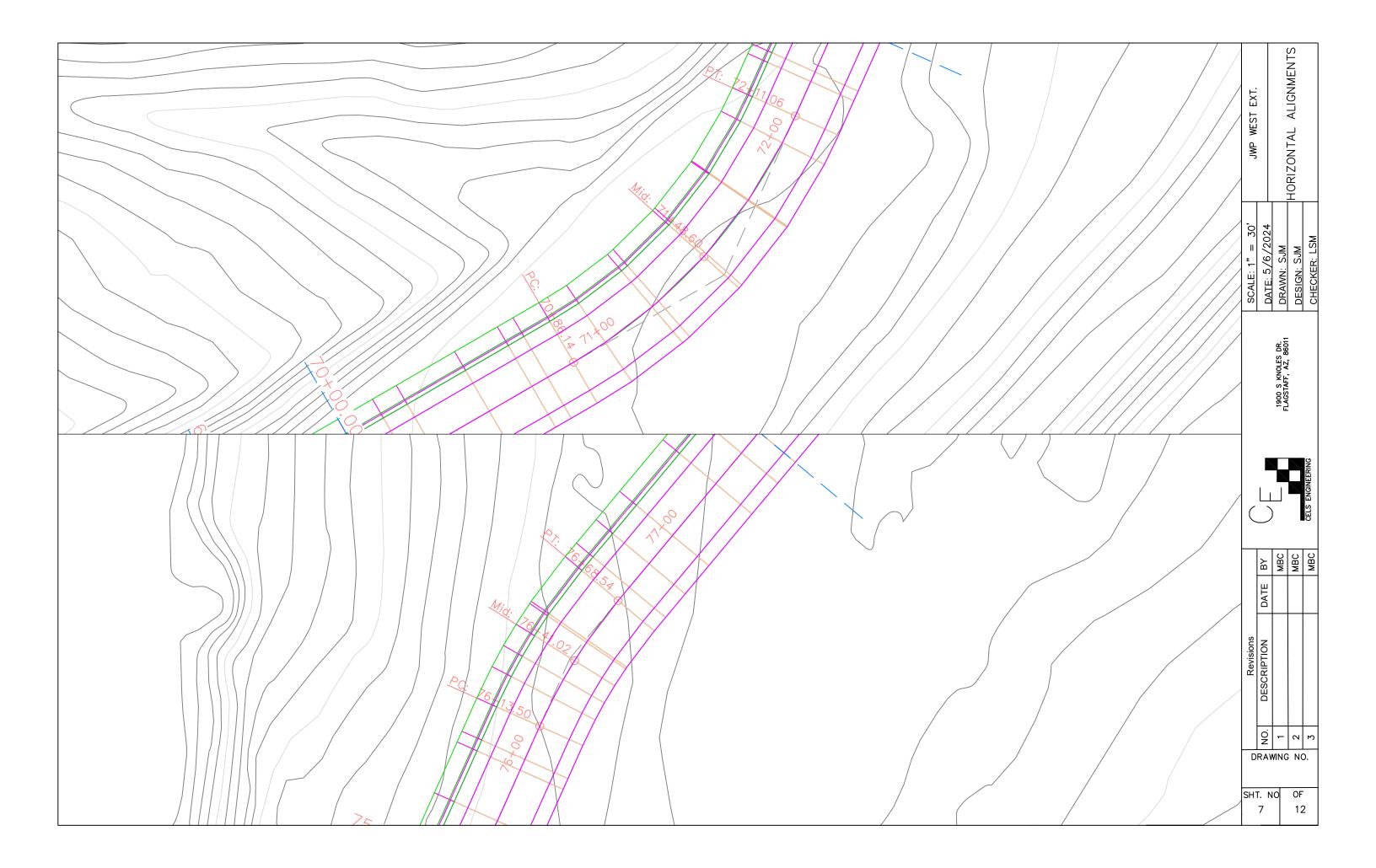
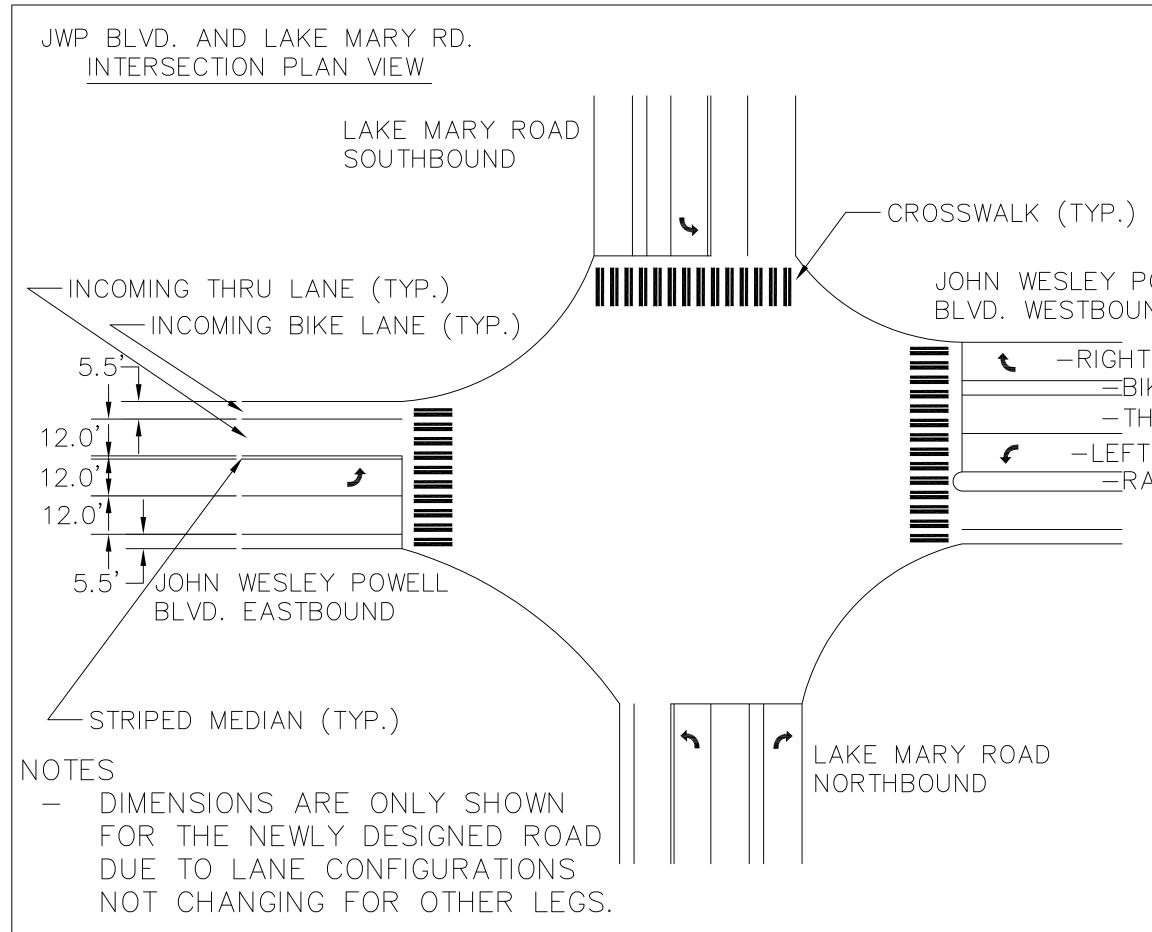


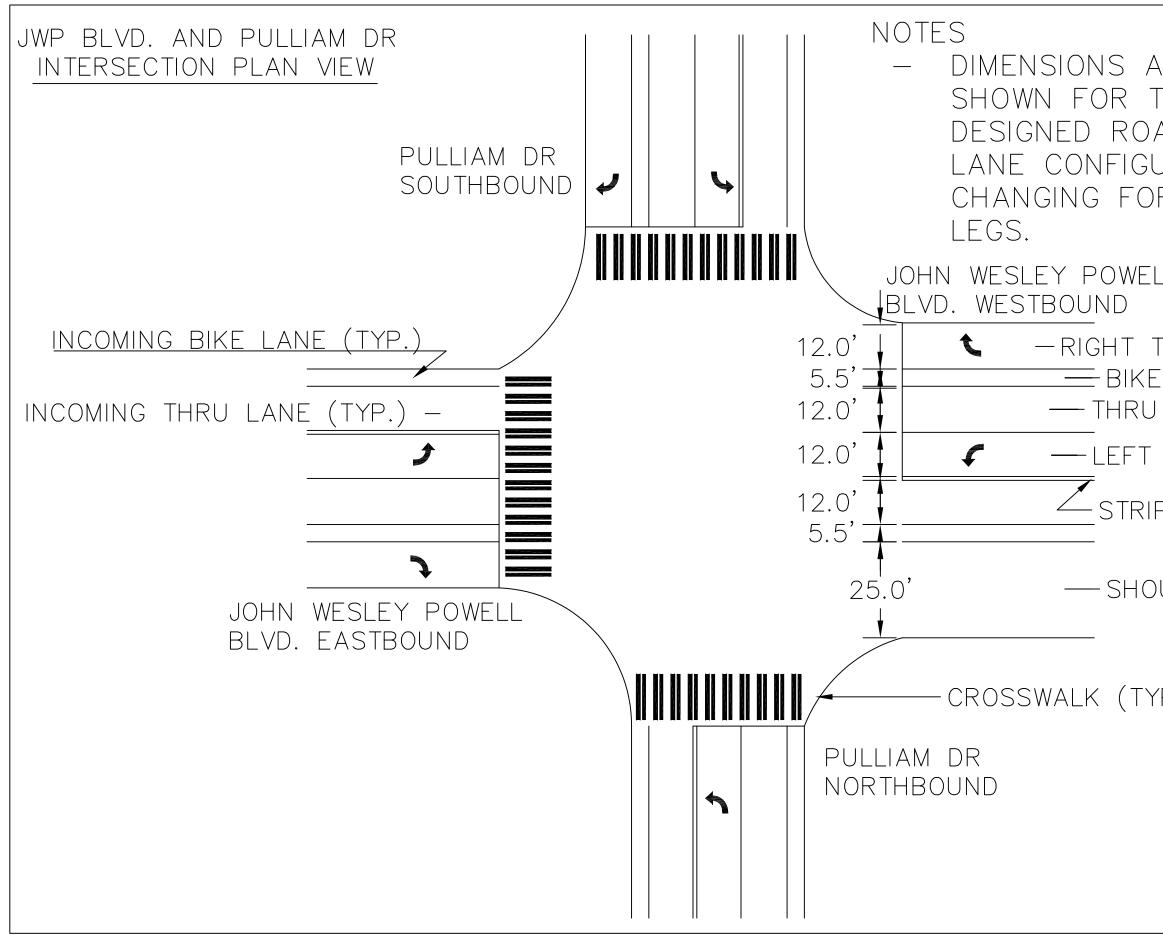
		00	JWP WEST EXT.			HORIZONTAL ALIGNMENTS	
		7+00.00	SCALE: 1"= 20'	DATE: 5/6/2024	DRAWN: SJM	DESIGN: SJM	CHECKER: LSM
	7+	00			1900 S KNOLES DR. FLAGSTAFF. AZ. B6011		
			(				CELS ENGINEERING
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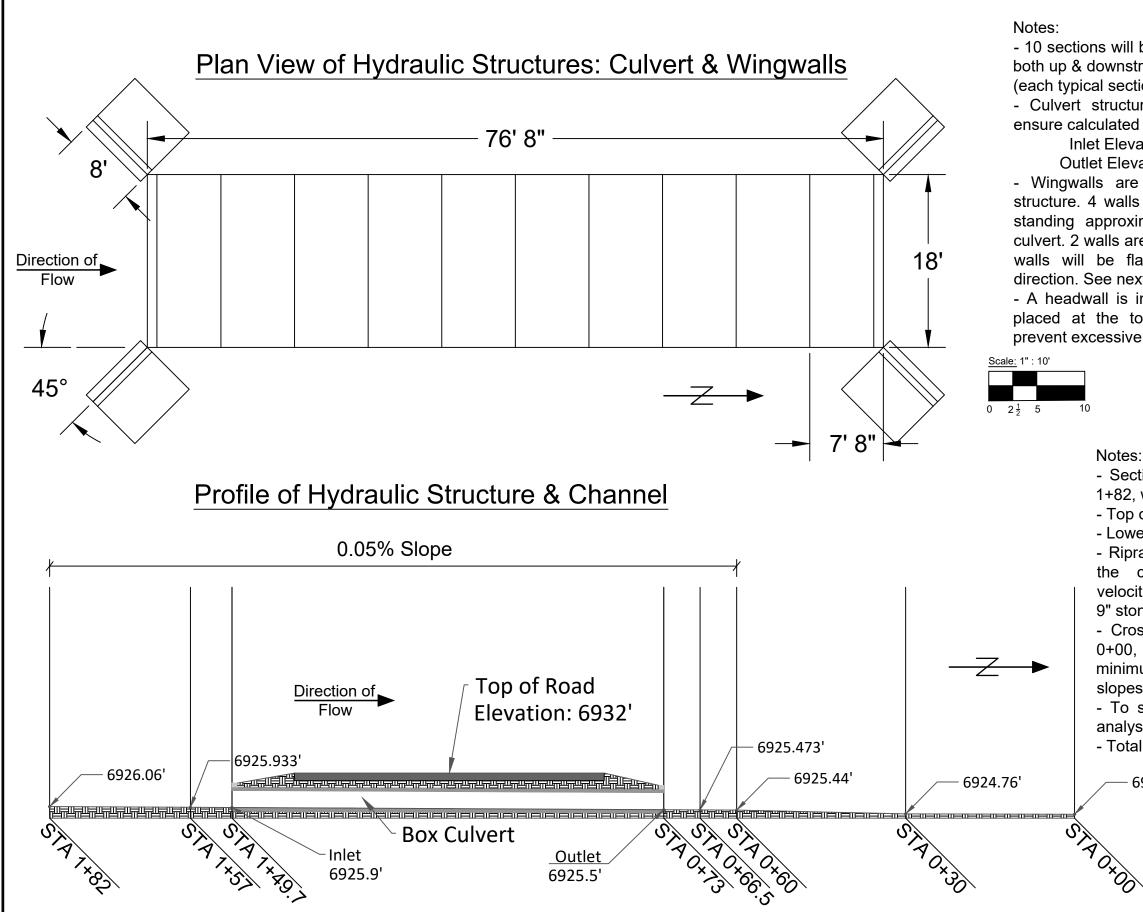




	JWP WEST EXT.	JWP AND LAKE MARY	
°OWELL ND	SCALE: $1' = 30'$	DATE: 4/1/2024 DRAWN: SJM DESIGN: SJM	CHECKER: LSM
TURN LANE (TYP.) KE LANE (TYP.) HRU LANE (TYP.) TURN LANE (TYP.) AISED MEDIAN	1900 S KNOLES DR. FLAGSTAFF, AZ, B6011		
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E LANE (TYP.) J LANE (TYP.) TURN LANE (TYP.) IPED MEDIAN (TYP.) OULDER YP.)		SCALE: 1' = 25'	DATE: 4/1/2024 DRAWN: SJM DESIGN: SJM CHECKER: LSM
YP.)	E LANE (TYP.) J LANE (TYP.)		1900 S KNOLES DR. FLAGSTAFF, AZ, 86011
(C. J.			
	YP.)	S DATE	
SHT. NO OF		DRA	AWING NO.



- 10 sections will be placed continuously to connect both up & downstream at a total run length of: 76' 8" (each typical section measures: 7' 8")

- Culvert structure will be sloped at -0.05% to ensure calculated flow is maintained.

Inlet Elevation: 6525.90 ft.

Outlet Elevation: 6925.51 ft.

- Wingwalls are incorporated into as hydraulic structure. 4 walls will be used as a retaining wall, standing approximately equal to the top of the culvert. 2 walls are place both up & downstream. All walls will be flared 45° to the channel's flow direction. See next page for dimensions of wall.

- A headwall is incorporated into the design. It is placed at the top of the hydraulic structure to prevent excessive earth entering onto channel.

- Section between STA 0+60 and STA 1+82, will be sloped at -0.05%.

- Top of road elevation is 6932 ft.

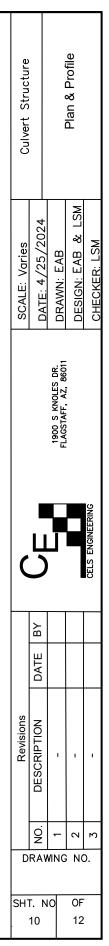
- Lowest height to fill above culvert is 14" - Ripraps will be placed at the outlet of the culvert to maintain high flow velocities. A run apron length of 9' with 9" stones is requested.

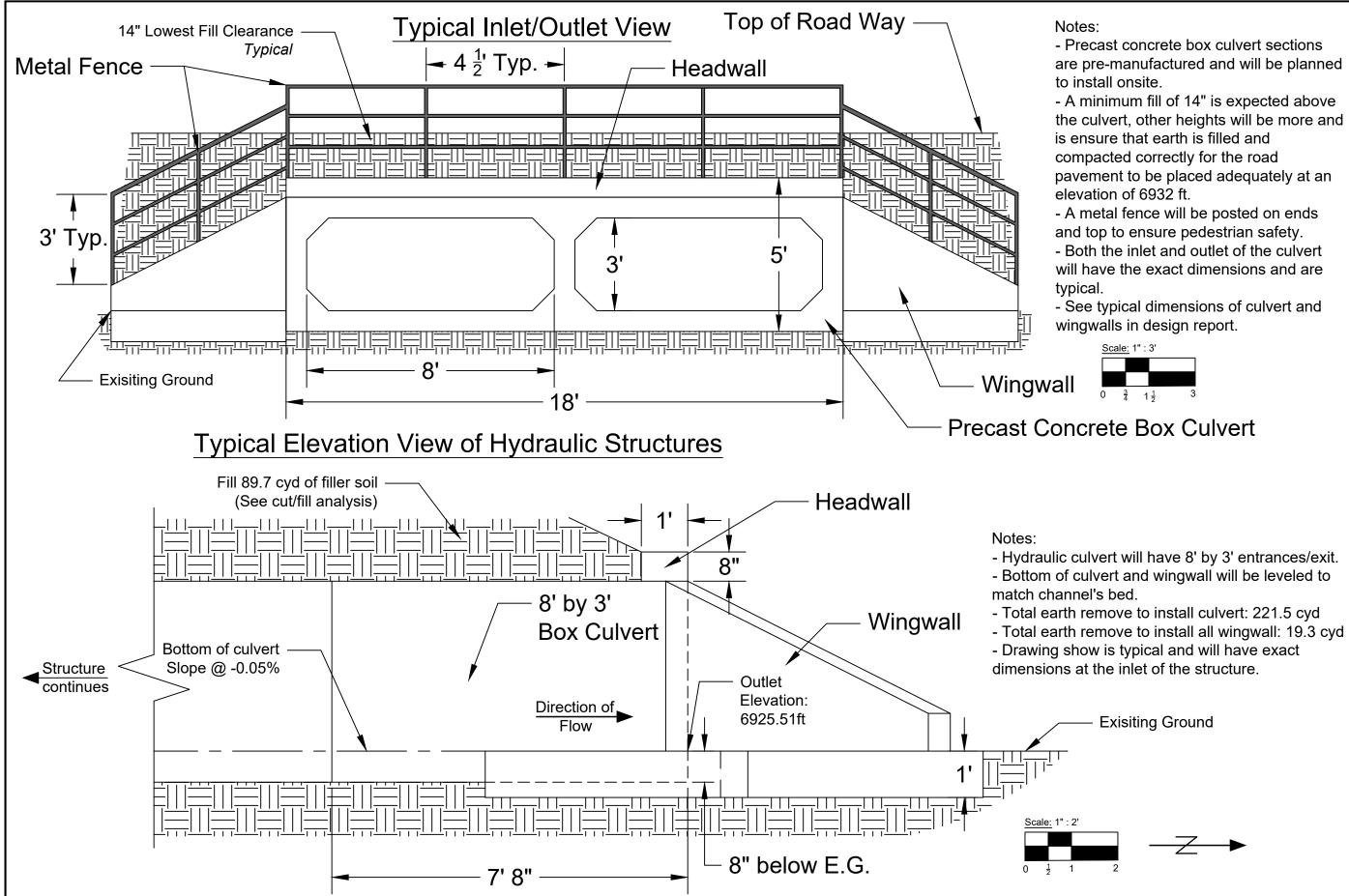
- Cross Sections at downstream (STA 0+00, STA 0+30, & STA 0+60) will have minimum cut and maintain 3H:1V side slopes, for these sections see report.

- To see excavation sheets and cut/fill analysis, see report.

- Total earth removal: **198.9 cyd.** 

6924.69'





- Precast concrete box culvert sections are pre-manufactured and will be planned

- A minimum fill of 14" is expected above the culvert, other heights will be more and

pavement to be placed adequately at an

- A metal fence will be posted on ends and top to ensure pedestrian safety. - Both the inlet and outlet of the culvert will have the exact dimensions and are

- See typical dimensions of culvert and

