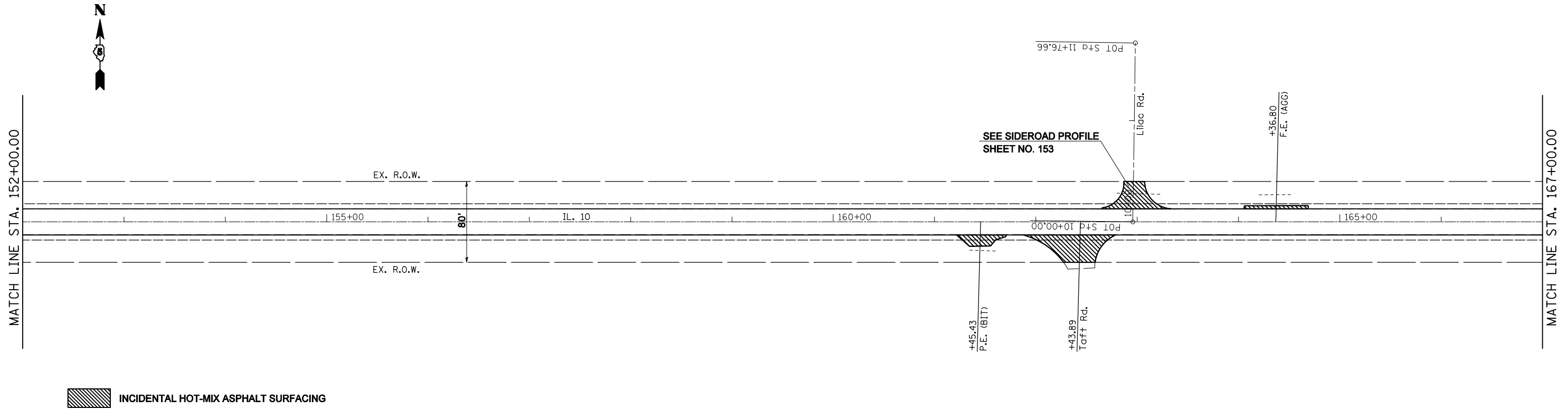
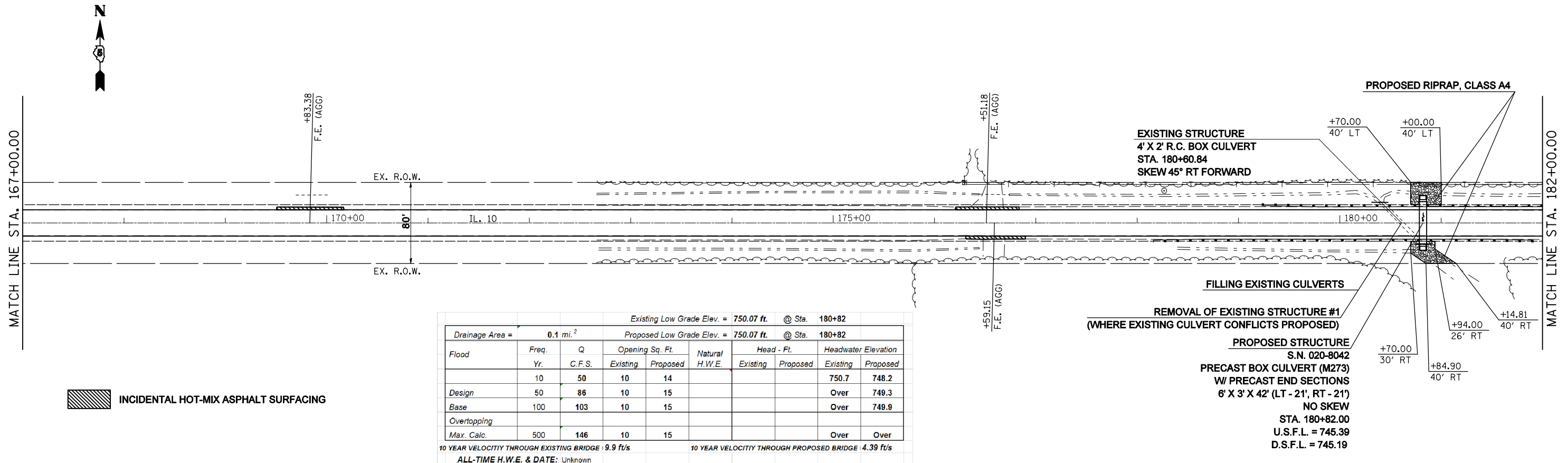


SEC 31 , T20N, R3E, 3RD PM



SEC 31 , T20N, R3E, 3RD PM



		Existing Low Grade Elev. = 750.07 ft. @ Sta. 180+82		Proposed Low Grade Elev. = 750.07 ft. @ Sta. 180+82				
Drainage Area = 0.1 mi. <sup>2</sup>								
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Existing	Proposed	Head - Ft. Existing	Proposed	Headwater Elevation Existing	Proposed
Design	10	50	10	14			750.7	748.2
Base	50	86	10	15			Over	749.3
Overtopping	100	103	10	15			Over	749.9
Max. Calc.	500	146	10	15			Over	Over

10 YEAR VELOCITY THROUGH EXISTING BRIDGE: 9.9 ft/s      10 YEAR VELOCITY THROUGH PROPOSED BRIDGE: 4.39 ft/s  
 ALL-TIME H.W.E. & DATE: Unknown

**EXISTING STRUCTURE**  
 4' X 2' R.C. BOX CULVERT  
 STA. 180+60.84  
 SKEW 45° RT FORWARD

**PROPOSED RIPRAP, CLASS A4**

**FILLING EXISTING CULVERTS**

**REMOVAL OF EXISTING STRUCTURE #1**  
 (WHERE EXISTING CULVERT CONFLICTS PROPOSED)

**PROPOSED STRUCTURE**  
 S.N. 020-8042  
 PRECAST BOX CULVERT (M273)  
 W/ PRECAST END SECTIONS  
 6' X 3' X 42' (LT - 21', RT - 21')  
 NO SKEW  
 STA. 180+82.00  
 U.S.F.L. = 745.39  
 D.S.F.L. = 745.19