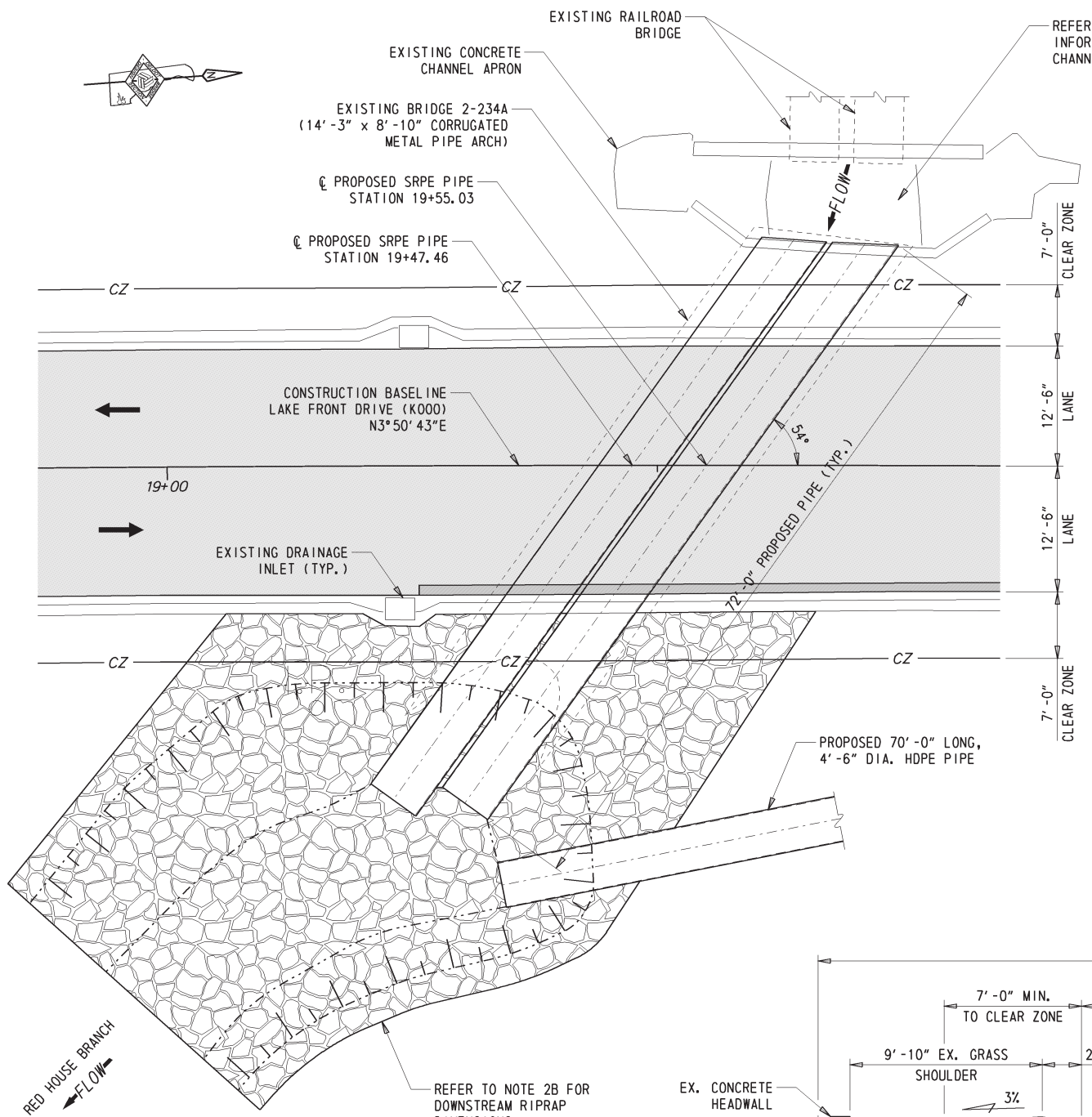
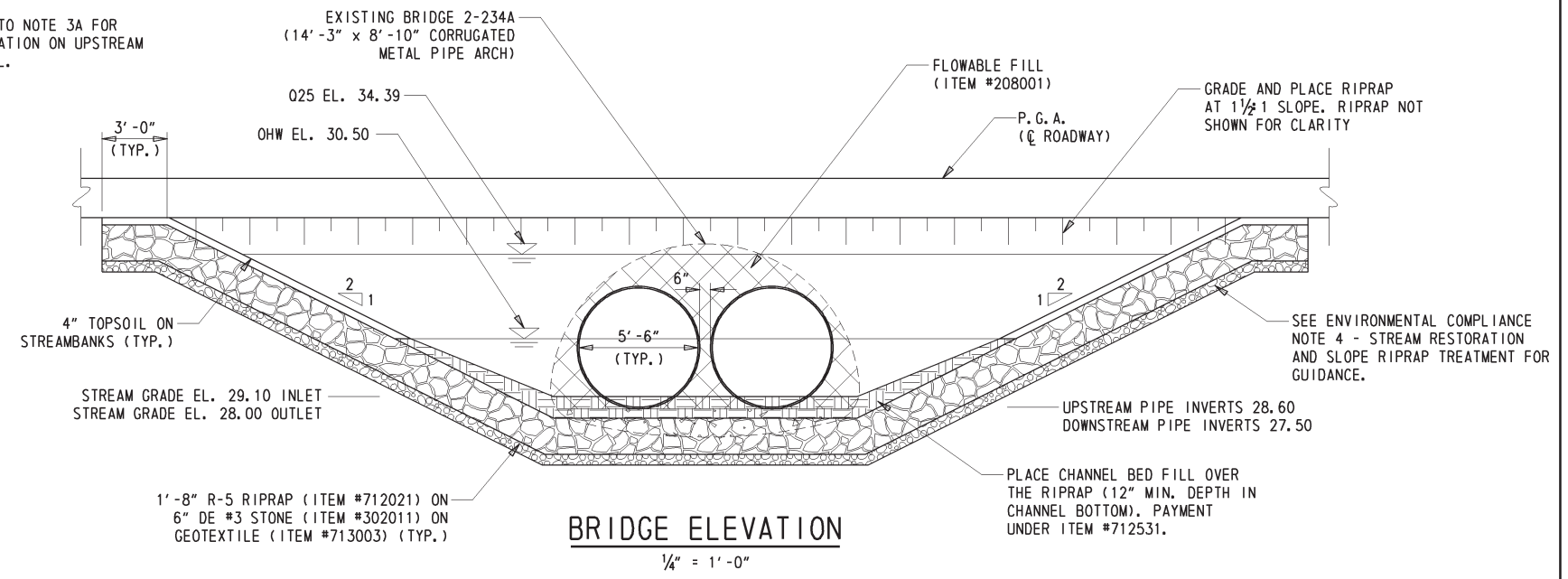


PLAN

⅛" = 1'-0"

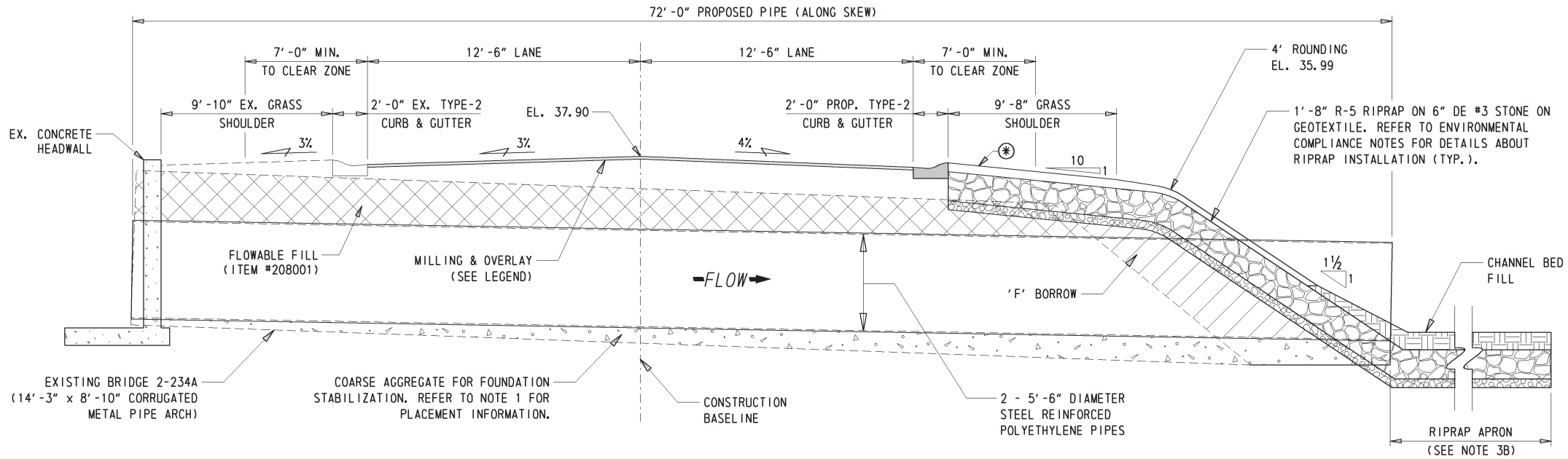


BRIDGE ELEVATION

¼" = 1'-0"

NOTES:

1. PROPOSED BRIDGE
   THE EXISTING 14'-3" x 8'-10" CORRUGATED METAL PIPE ARCH SHALL BE LEFT IN PLACE. THE PROPOSED (2) 5'-6" DIAMETER STEEL REINFORCED POLYETHYLENE PIPES (72'-0" LONG) SHALL BE SLID INSIDE THE EXISTING PIPE ARCH. BOTH PIPES SHALL BE PLACED 6" BELOW THE ESTABLISHED STREAM GRADE AT THE ELEVATION SPECIFIED ABOVE. THE PIPES SHALL BE PLACED WITH A 6" GAP BETWEEN THE OUTER WALLS OF EACH RUN. A LAYER OF COARSE AGGREGATE SHALL BE PLACED AT THE BOTTOM OF THE EXISTING PIPE ARCH TO ESTABLISH THE INVERT ELEVATIONS SPECIFIED ABOVE AND TO PROVIDE STABILIZATION FOR THE PROPOSED PIPES. BENEATH THE PORTION OF PROPOSED PIPES THAT EXTENDS PAST THE EXISTING PIPE ARCH, PLACE 6" OF COARSE AGGREGATE BEDDING BENEATH THE PIPES AND 6" SHAPED UP THE CURVE OF EACH PIPE. THE VOID BETWEEN THE EXISTING PIPE ARCH AND THE PROPOSED PIPE SHALL BE FILLED WITH FLOWABLE FILL. THE PROPOSED PIPES SHALL BE SAWCUT FLUSH WITH THE EXISTING HEADWALL AT THE WEST END OF BRIDGE 2-234A.
3. INVERT ELEVATIONS FOR THE EXISTING BRIDGE 2-234A WERE TAKEN FROM ARCHIVE PLANS (CONTRACT S-850-77). THE INVERT ELEVATIONS FOR THE PROPOSED PIPES OF BRIDGE 2-234A WERE CALCULATED BASED ON THE ELEVATIONS PROVIDED BY THE ARCHIVED PLANS REFERENCED ABOVE. ALL ELEVATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
2. RIPRAP PLACEMENT
   A. UPSTREAM - THE CHANNEL BETWEEN THE RAILROAD BRIDGE AND BRIDGE 2-234A SHALL NOT BE DISTURBED. NO RIPRAP SHALL BE PLACED UPSTREAM OF BRIDGE 2-234A.
   B. DOWNSTREAM - RIPRAP SHALL BE PLACED IN THE CHANNEL BOTTOM 30'-0" FROM THE PIPE OUTLET ALONG THE STREAM CENTERLINE AND SHALL BE PLACED TO CREATE A SMOOTH BEND THAT MATCHES THE EXISTING STREAM BANKS.



BRIDGE SECTION

¼" = 1'-0"

* - PLACE STREAMBANK SEED MIX, SEEDING (ITEM #908019) WITH EROSION CONTROL BLANKET MULCH (ITEM #908020) ON TOPSOIL, 6" DEPTH (ITEM #908004) (TYP. FOR BOTH SIDES OF THE ROAD).

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE AS NOTED	BR 2-234A ON LAKE FRONT DRIVE OVER RED HOUSE BRANCH	CONTRACT T201407208	BRIDGE NO. 2-234A	BRIDGE PLAN, SECTION, & ELEVATION
				COUNTY KENT	DESIGNED BY: NED	SHEET NO. 7
					CHECKED BY: CAS	TOTAL SHTS. 12