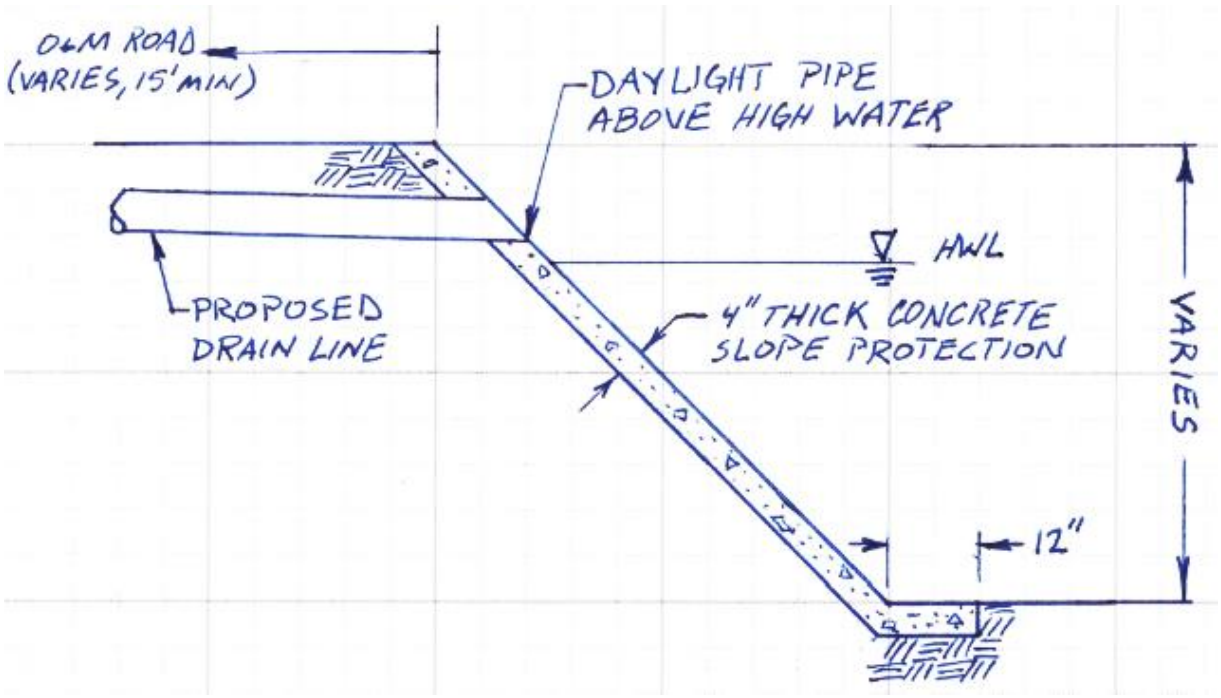

NOTES:

1. ALL WORK WITHIN AID RIGHTS-OF-WAY AND EASEMENTS SHALL CONFORM TO AID STANDARDS. SEE DISTRICT WEBSITE FOR CURRENT STANDARD DETAILS. COORDINATE INSTALLATION OF DRAIN WITH AID. FIELD VERIFY LOCATION AND DEPTH OF DRAIN IN FIELD WITH AID STAFF.
2. ANY TRENCHES W/ IN AID RIGHT-OF-WAY OR EASEMENT SHALL HAVE SIDE SLOPES THAT CONFORM TO OSHA SAFETY STANDARDS.
3. BACKFILL SHALL BE SELECT NATIVE MATERIAL, CONTAIN NO MATERIAL OVER THREE INCHES (3") IN DIAMETER OR LENGTH, AND SHALL BE COMPACTED AGAINST UNDISTURBED EARTH. FILL MATERIAL SHALL CONTAIN NO SOD, BRUSH, ROOTS, OR OTHER ORGANIC OR THERWISE UNSUITABLE MATERIAL.
4. UPSTREAM AND DOWNSTREAM CUTOFF WALLS ON EACH SIDE OF SLOPE PROTECTION WERE OMITTED FOR CLARITY. WALLS SHALL EXTEND A MINIMUM OF SIX INCHES (6") INTO UNDISTRUBED EARTH.
5. CONCRETE SLOPE PROTECTION SHALL EXTEND TWELVE INCHES (12") PAST EDGE OF THE SIDE SLOPE AND HAVE A FINISHED GRADE MATCHING EXISTING INVERT. CONCRETE SHALL EXTENDED A MINIMUM OF SIX INCHES (6") UPSTREAM AND DOWNSTREAM OF PIPE.
6. ROUGHEN THAT PORTION OF THE DRAIN LINE W/ IN CONCRETE SLOPE PROTECTION TO IMPROVE BOND W/ CONCRETE.
7. UNLESS DIRECTED OTHERWISE BY AID GENERAL MANAGER, THE MINIMUM 28-DAY COMPRESSIVE STRENGTH FOR SLOPE PROTECTION CONCRETE SHALL BE 3000 PSI. CEMENT USED FOR SLOPE PROTECTION SHALL BE ASTM TYPE II PORTLAND CEMENT AND FREE OF LUMPS AND PARTIALLY SET MASSES AND PROPORTIONED TO INCLUDE NOT LESS THAN SIX (6) SACKS OF CEMENT PER CUBIC YARD OF CONCRETE AND HAVE A MAXIMUM WATER-CEMENT RATIO OF 0.45.
8. ANGULAR ROCK RIP RAP MAY BE USED IN LIEU OF CONCRETE SLOPE PROTECTION. RIP RAP SHALL CONSIST OF 12"-18" ANGULAR ROCK PLACED ON TOP OF GEOTEXTILE FABRIC. RIP RAP SHALL COVER THE FULL LENGTH OF THE SIDE SLOPE AND EXTEND A MINIMUM OF FIVE FEET (5') UPSTREAM AND DOWNSTREAM OF PIPE. RIP RAP THICKNESS SHALL BE 1.5 TIMES THE MAXIMUM STONE SIZE OR AS DIRECTED BY AID. RIP RAP SHALL NOT ENCROACH INTO FLOW AREA OF DITCH.

ALTA IRRIGATION DISTRICT	**Alta Irrigation District**	**NON-PRESSURIZED DRAIN DISCHARGE**		
		SCALE: NOT TO SCALE	DATE: MARCH 25, 2025	STANDARD DWG NO: **DRN -01** SHEET: 1 OF 3