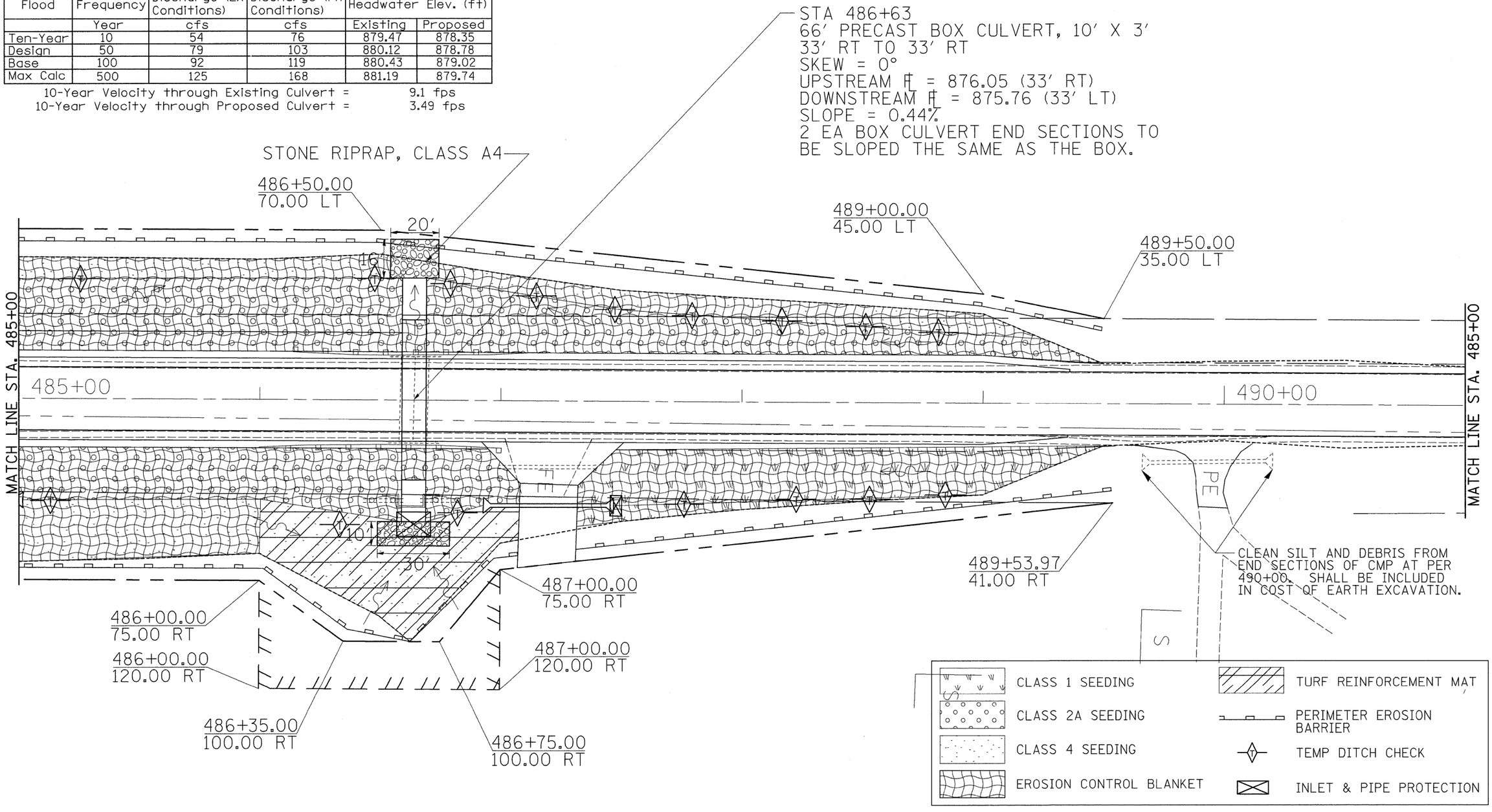
EROSION, R.O.W., EASEMENT, SEEDING, DRAINAGE

PR Drainage Area =	155.0	acres	
EX Drainage Area =	119.0	acres	
Existing Low Grade Elevation:	883.19	ft. @	485+55
Proposed Low Grade Elevation:	883.19	ft. @	485+55

Flood	Frequency	Discharge (EX Conditions)	Discharge (PR Conditions)	Headwater Elev. (ft)	
	Year	cfs	cfs	Existing	Proposed
Ten-Year	10	54	76	879.47	878.35
Design	50	79	103	880.12	878.78
Base	100	92	119	880.43	879.02
Max Calc	500	125	168	881.19	879.74

10-Year Velocity through Existing Culvert = 9.1 fps
10-Year Velocity through Proposed Culvert = 3.49 fps



FILE NAME = c:\pw_work\PWIDOT\DOSSDD\dms33571\d02907er.dgn	USER NAME = dossdd	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Sep 24 08:48:29 2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 73

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
654	(107, 108, 109)RS-4	STEPHENSON	89	64
		CONTRACT NO. 64C91		

FED. ROAD DIST. NO. 2 | ILLINOIS | FED. AID PROJECT