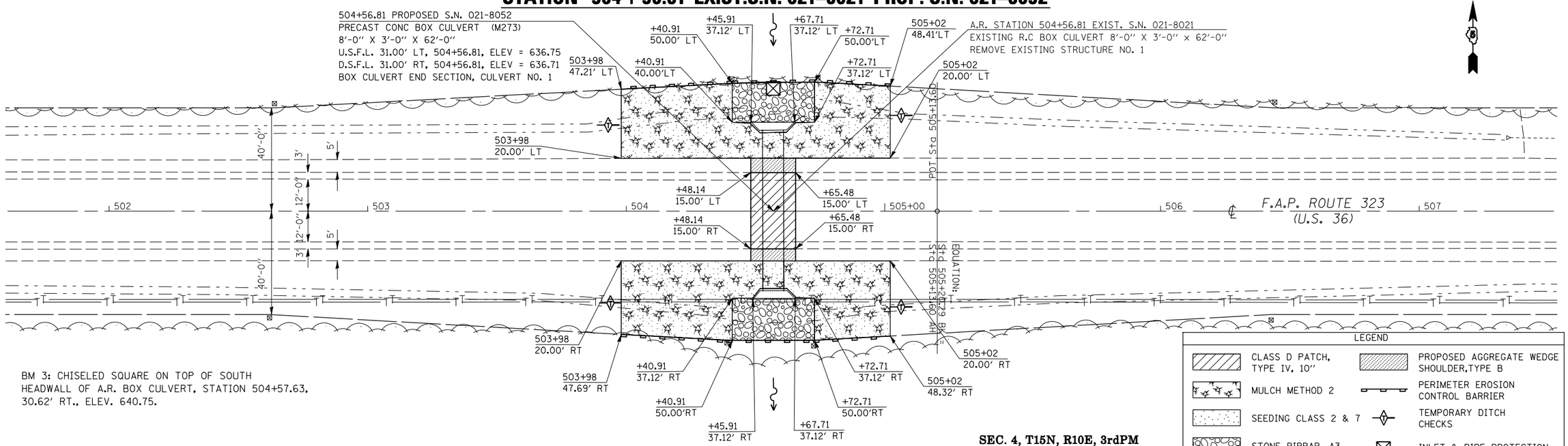
SEC. 32, T16N, R10E, 3rdPM

DETAIL OF ACROSS ROAD BOX CULVERT NO. 1

STATION 504+56.81 EXIST.S.N. 021–8021 PROP. S.N. 021–8052

504+56.81 PROPOSED S.N. 021-8052
PRECAST CONC BOX CULVERT (M273)
8′-0″ X 3′-0″ X 62′-0″
U.S.F.L. 31.00′ LT, 504+56.81, ELEV = 636.75
D.S.F.L. 31.00′ RT, 504+56.81, ELEV = 636.71
BOX CULVERT END SECTION, CULVERT NO. 1

A.R. STATION 504+56.81 EXIST. S.N. 021-8021
EXISTING R.C BOX CULVERT 8′-0″ X 3′-0″ x 62′-0″
REMOVE EXISTING STRUCTURE NO. 1



BM 3: CHISELED SQUARE ON TOP OF SOUTH HEADWALL OF A.R. BOX CULVERT, STATION 504+57.63, 30.62′ RT., ELEV. 640.75.

SEC. 4, T15N, R10E, 3rdPM

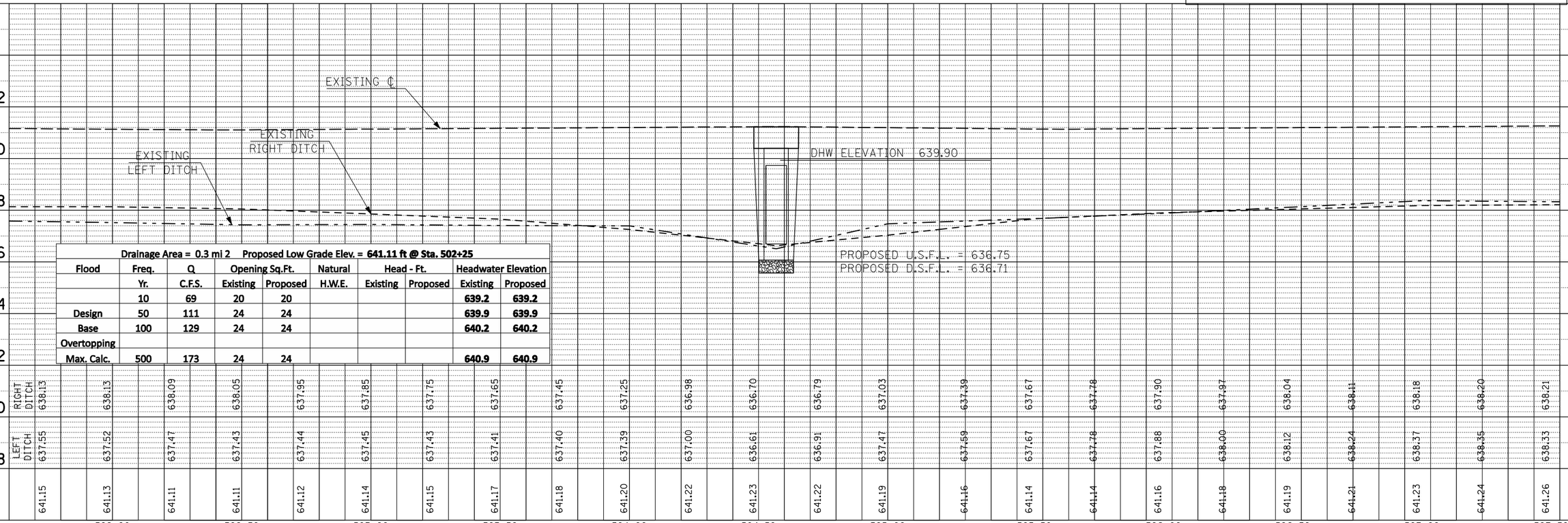
N

LEGEND

- CLASS D PATCH, TYPE IV, 10″
- PROPOSED AGGREGATE WEDGE SHOULDER,TYPE B
- MULCH METHOD 2
- PERIMETER EROSION CONTROL BARRIER
- SEEDING CLASS 2 & 7
- TEMPORARY DITCH CHECKS
- STONE RIPRAP, A3
- INLET & PIPE PROTECTION

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.T. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO. ____, BY, DATE

PROFILE — SURVEYED, PLOTTED, CHANGES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO. ____, BY, DATE



Drainage Area = 0.3 mi 2 Proposed Low Grade Elev. = **641.11 ft @ Sta. 502+25**

Flood	Freq.	Q	Opening Sq.Ft.		Natural	Head - Ft.		Headwater Elevation	
	Yr.	C.F.S.	Existing	Proposed	H.W.E.	Existing	Proposed	Existing	Proposed
	10	69	20	20				639.2	639.2
Design	50	111	24	24				639.9	639.9
Base	100	129	24	24				640.2	640.2
Overtopping									
Max. Calc.	500	173	24	24				640.9	640.9

FILE NAME = c:\pw_work\PWIDOT\BUCKLESJJ\d0134382\D570696-sht-plnprf.dgn	USER NAME = bucklesjj	DESIGNED - RLA	REVISED -
		DRAWN - JJB	REVISED -
	PLOT SCALE = 40.0000 ′ / IN.	CHECKED - JMS	REVISED -
	PLOT DATE = 3/22/2010	DATE - 7-9-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE S.N. 021–8052

SCALE: 1:20 | SHEET NO. 1 OF 5 SHEETS | STA. 504+43+81 TO STA. 504+69.81

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(145,146)CR	DOUGLAS	31	10
		CONTRACT NO. 70696		
	ILLINOIS	FED. AID PROJECT		