DRAINAGE STRUCTURE IMPROVEMENT DETAIL LOC.#8 STA.891+00 ITEM# AND DESCRIPTION QUANTITY UNIT **LOCATION** #8 STA. 891 + 00 THE EXISTING STRUCTURE AT STATION 891+00 CONSISTS OF A 36" R.C.C.P. WITH AN 21400100 Grading and Shaping Ditches FOOT 65 OFFSET MEDIAN INLET. THE STRUCTURE IS IN GOOD CONDITION BUT A PAVED DITCH 25000210 Seeding, Class 2A ACRE 0.004 LOCATED ON THE BACKSLOPE APPROXIMATELY 50 FT. UPSTREAM AND WEST OF THE STRUCTURE HAS FAILED. SEVERE UNDERMINING AND COLLAPSE OF THE PAVED DITCH HAS RENDERED IT 25000400 Nitrogen Fert. Nutr. POUND 0.36 A SAFETY HAZARD TO MAINTENANCE AT THIS TIME. THERE IS A 6" C.M.P. AT THE TOP OF 25000500 Phosphorous Fert. Nutr POUND 0.36 THE BACKSLOPE THAT OUTLETS ONTO THE PAVED DITCH. CONCRETE HEADWALL 25000600 Potassium Fert. Nutr. POUND 0.36 THE PROPOSED SCOPE OF WORK IS TO REMOVE THE PAVED DITCH AND REGRADE THE CONCRETE COLLAR 25100115 Mulch Method 2 ACRE 0.004 BACKSLOPE TO ACCOMMODATE A RIPRAP DITCH SECTION. THE 6" C.M.P. SHALL BE STORM SEWER 6" 28000250 Temp. Eros. Contr. Seeding POUND 0.4 EXTENDED WITH A 6" STORM SEWER, CLASS "B" AND A CONCRETE HEADWALL SHALL BE 28000305 Ditch Check Temporary FOOT 10 PROVIDED AT THE OUTLET OF THE PROPOSED PIPE. 28000500 Inlet and Pipe Protection EACH GRADING AND SHAPING DITCHES 28100107 Stone Rip Rap Class A4 SQ YD 30.6 28200200 Filter Fabric SQ YD 30.6 44004000 Paved Ditch Removal FOOT 25 PAVED DITCH REMOVAL 54248510 Concrete Collar CUYD 0.14 GRADING AND SHAPING DITCHES (SEE SHEET # 127) 550B0020 Storm Sewer Class B Ty 16" FOOT 10 SEEDING 60100060 Concrete Headwalls for Pipe Drains EACH ¢ F.A.I. 74 | 890+00 FILE NAME = DESIGNED - BJM REVISED USER NAME = hoganb,j SECTION DRAINAGE STRUCTURE IMPROVEMENT DETAIL STATE OF ILLINOIS 50-sht-sm struct det.dgn DRAWN REVISED 74 (57-20(1),21,22)RS-3 McLean 150 58 LOCATION #8 STA. 891 + 00 CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 70550 SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA. PLOT DATE = 10/21/2010 DATE 09/23/10 REVISED