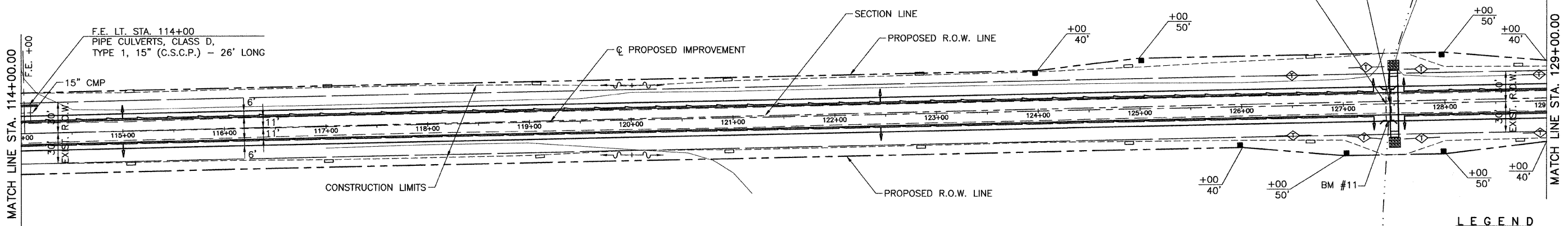
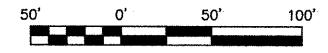


EXXONMOBIL COAL USA, INC.
SW 1/4 SEC 9, T9N, R6W, 3rd P.M.

A.R. STA. 127+50 CULVERT NO. 4
8' X 5' X 54' PRECAST REINFORCED
CONCRETE BOX CULVERT AND
END SECTIONS (M273)
33' RT, U.S.F.L. 639.55
33' LT, D.S.F.L. 639.35
FILL HEIGHT < 2'

ROUTE NO.		COUNTY		TOTAL SHEETS	SHEET NO.
C.H. 3		MACOUPIN		43	11
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT-	



UNDERDRAIN SCHEDULE

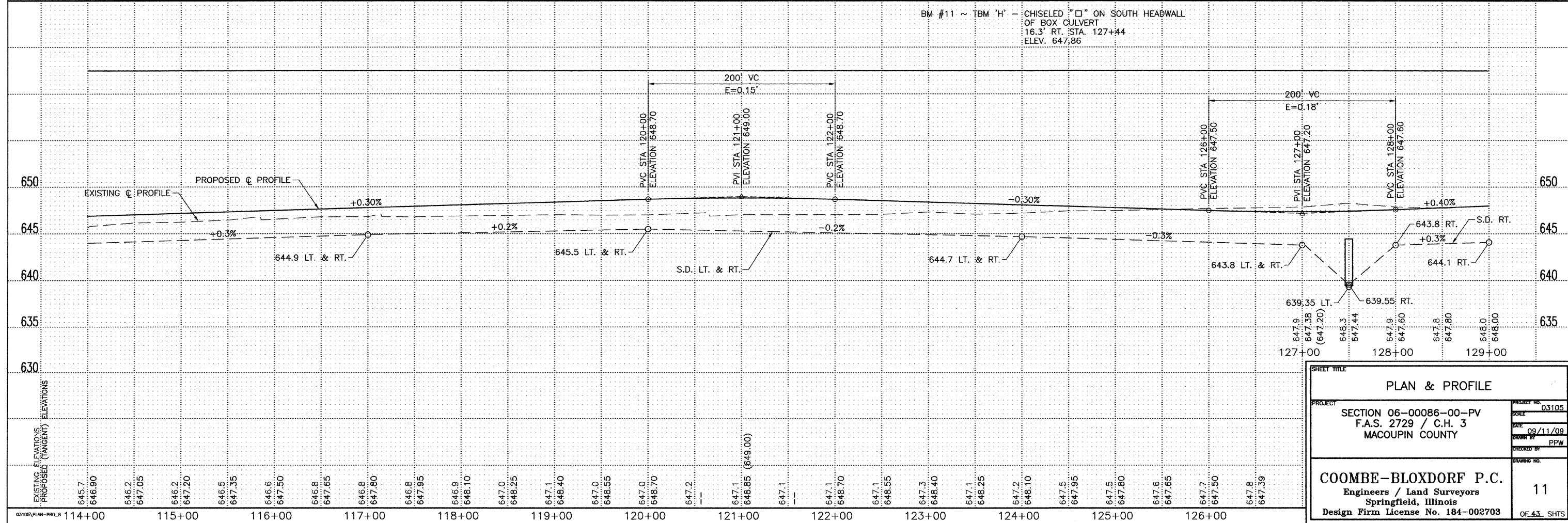
LOCATION	PIPE UNDERDRAIN 4"	PIPE UNDERDRAIN 4" (SPECIAL)	CONCRETE HEADWALL FOR PIPE DRAINS
	FOOT	FOOT	EACH
LT. & RT. STA. 115+00	-	12	2
LT. & RT. STA. 120+00 TO STA. 127+30	1490	-	-
LT. & RT. STA. 122+45	-	12	2
LT. & RT. STA. 127+30	-	12	2
LT. & RT. STA. 127+60 TO STA. 140+50	2580	-	-
LT. & RT. STA. 127+60	-	12	2
TOTAL	4070	48	8

WATERWAY DATA	
STA 127+50	
DRAINAGE AREA	0.448 SQ MI
EXISTING OPENING (20 YR)	10.4 SQ FT
REQUIRED OPENING (20 YR)	40 SQ FT
PROPOSED OPENING (20 YR)	40 SQ FT
DESIGN DISCHARGE (20 YR)	189 CFS
CREATED HEAD (20 YR)	<1.0 FT
100 YR DISCHARGE	247 CFS
100 YR CREATED HEAD	<1.0 FT

- LEGEND**
- o IRON PIN SET
 - △ SET SPIKE NAIL
 - POWER POLE
 - ⊥ GUY WIRE
 - ⊞ TELEPHONE SPLICE BOX
 - ⊟ SIGN
 - ⊠ END FENCE POST
 - RIGHT OF WAY MARKER
 - FLOW DIRECTION
 - STREAM
 - PIPE UNDERDRAIN
 - ⊕ UNDERDRAIN OUTLET
 - ⊖ TEMPORARY DITCH CHECK
 - ⊘ PERIMETER EROSION BARRIER

EXXONMOBIL COAL USA, INC.
NW 1/4 SEC 16, T9N, R6W, 3rd P.M.

BM #11 ~ TBM 'H' - CHISELED "□" ON SOUTH HEADWALL OF BOX CULVERT
16.3' RT. STA. 127+44
ELEV. 647.86



SHEET TITLE

PLAN & PROFILE

PROJECT: SECTION 06-00086-00-PV
F.A.S. 2729 / C.H. 3
MACOUPIN COUNTY

PROJECT NO. 03105
SCALE
DATE 09/11/09
DRAWN BY PPW
CHECKED BY
DRAWING NO.

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

11
OF 43 SHTS