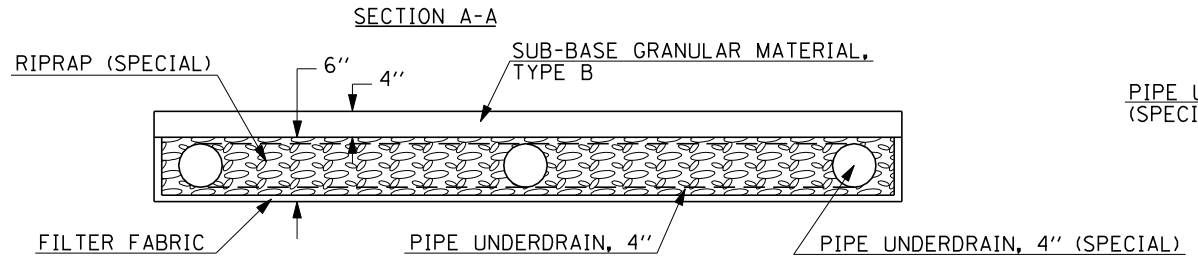
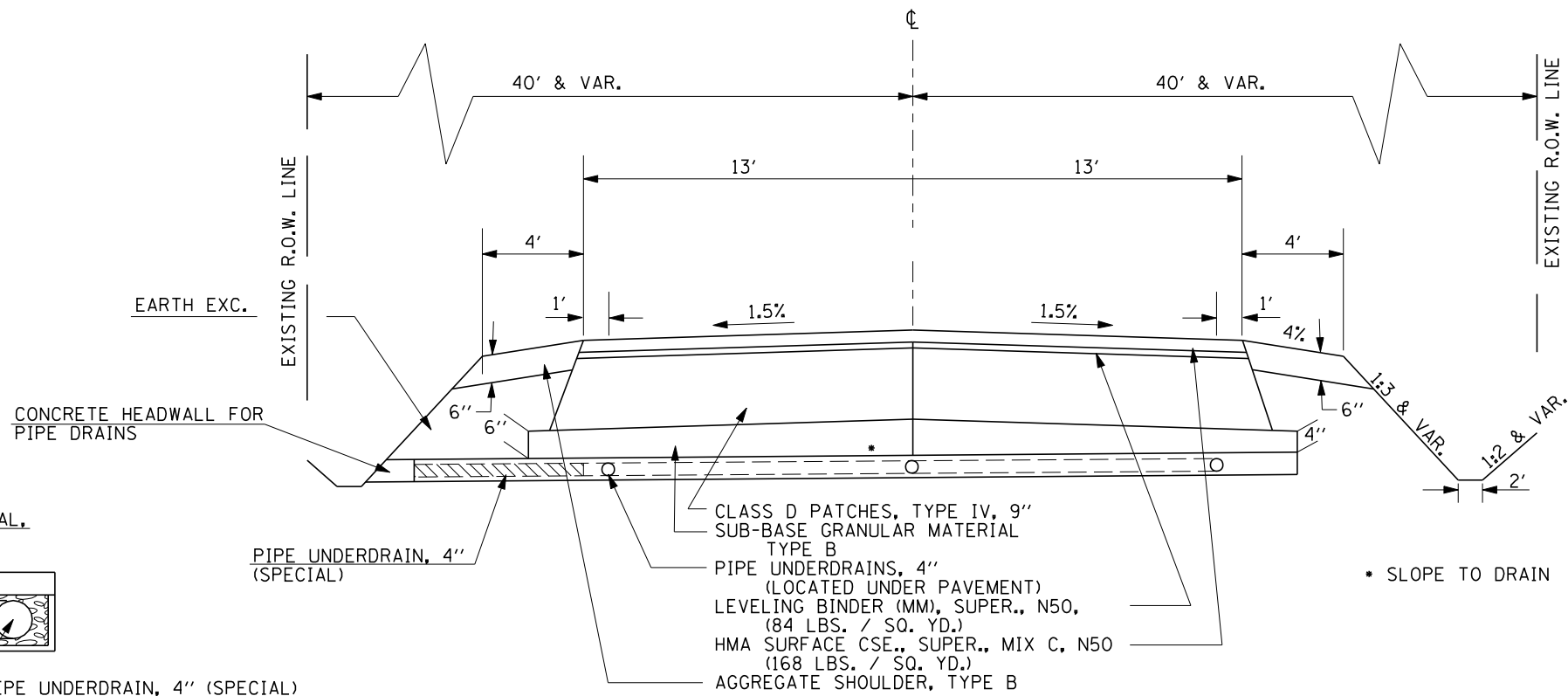


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	(121,122)RS-3	VERMILION	89	46
STA. 1013+00		TO STA. 1041+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

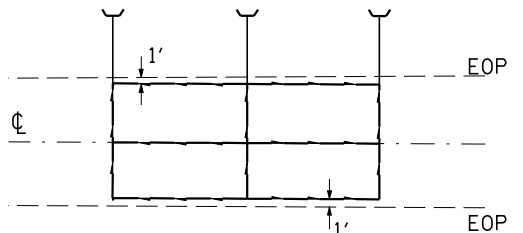
**DETAIL NOTE:**

- ① ALL ELBOWS, TEES AND CONNECTIONS SHALL BE INCLUDED IN THE COST OF PIPE UNDERDRAIN, 4".
- ② PIPE UNDERDRAINS, 4" (SPECIAL) W/ CONCRETE HEADWALLS @ EACH END & CENTER; DRAIN FROM LOCATIONS SHOWN UNDER PAVEMENT TO DITCH; CLEAN DITCH FROM PATCH LOCATION TO BOX CULVERT (SOUTH); IF FIELD TILE EXISTS, UNDERDRAINS MAY BE CONNECTED TO THE EXISTING TILE..
- ③ IT IS THE ENGINEER'S RESPONSIBILITY TO CHECK EXISTING DITCH GRADES TO CORRESPOND WITH THE PLACEMENT OF THE PIPE UNDERDRAINS TO ENSURE PROPER DRAINAGE.
- ④ ALL STATIONS, OFFSETS AND GRADES SHALL BE CHECKED BY THE ENGINEER IN THE FIELD PRIOR TO CONSTRUCTION. ANY VARIATIONS OCCURRING BETWEEN THE PLANS AND EXISTING CONDITIONS SHALL BE CORRECTED IN THE FIELD AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- ⑤ ALL AREAS DISTURBED DURING GRADING AND SHAPING DITCHES SHALL BE PREPARED ACCORDING TO SECTION 205 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR GRADING AND SHAPING DITCHES AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- ⑥ RIPRAP, (SPECIAL) SIDES AND BOTTOM SHALL BE WRAPPED WITH FILTER FABRIC AS SHOWN IN THE DETAILS.

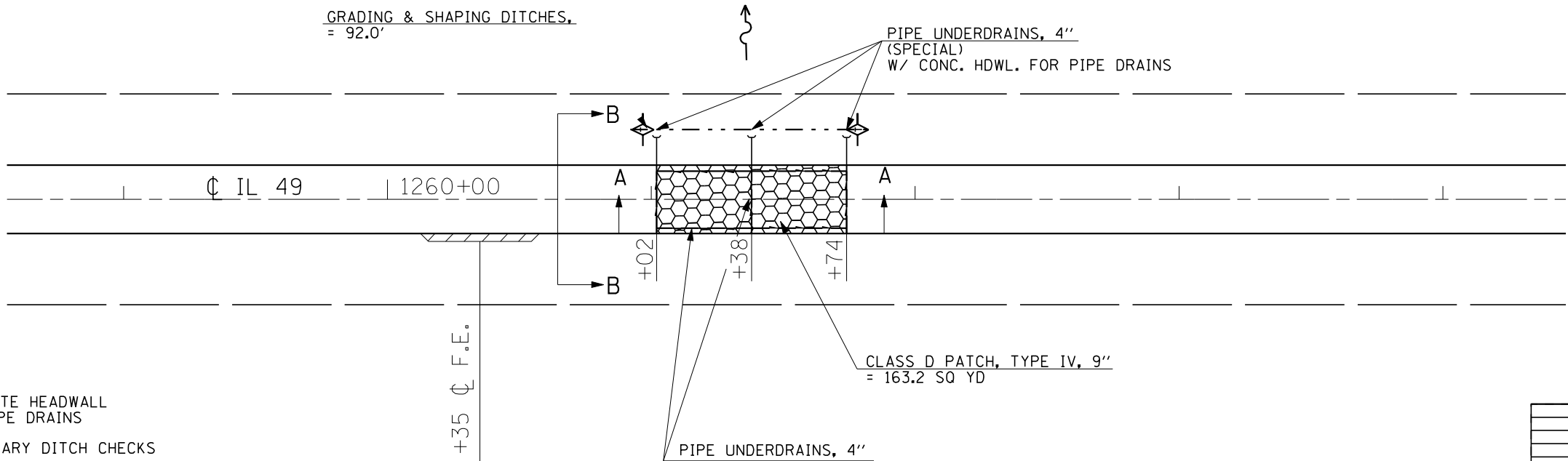
**SECTION B-B**  
PROPOSED TYPICAL CROSS SECTION  
STA. 1261+02 TO STA. 1261+74



**UNDERDRAIN LAYOUT DETAIL**



GRADING & SHAPING DITCHES,  
= 92.0'



CLASS D PATCH, TYPE IV, 9"  
= 163.2 SQ YD

- CONCRETE HEADWALL FOR PIPE DRAINS
- TEMPORARY DITCH CHECKS
- CLASS D PATCHES, TYPE IV, 9 INCH & PAVEMENT REMOVAL (CONSISTING OF ONE 5" LIFT & ONE 4" LIFT HMA BINDER CSE., SUPER., MIX C, N 50)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PIPE UNDERDRAIN  
DETAIL**  
**STA. 1261+02 - 1261+74**  
SCALE: VERT. / HORIZ.  
DATE: / /  
DRAWN BY: /  
CHECKED BY: /

PLOT DATE = 11/16/2007  
 FILE NAME = c:\projects\4595800 (v8)\rev.plamhats.dgn  
 PLOT SCALE = 1/8" = 1' / IN.  
 USER NAME = collierb