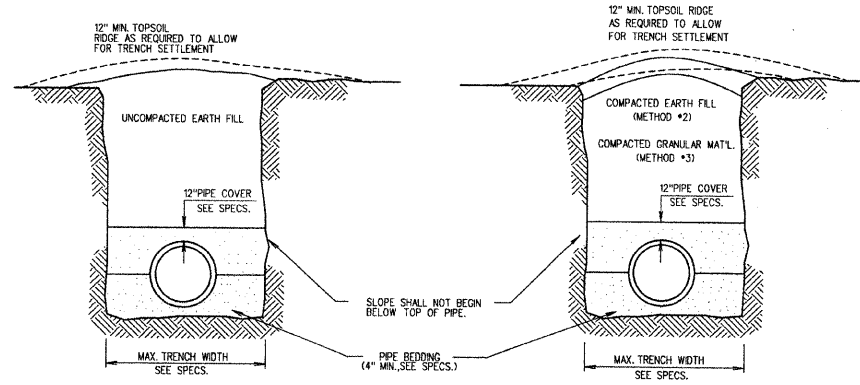


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 22	05-00907-00-BR	CHAMPAIGN	36	35
STA. _____ TO STA. _____		F.H.W.A. REG. ILLINOIS PROJECT		

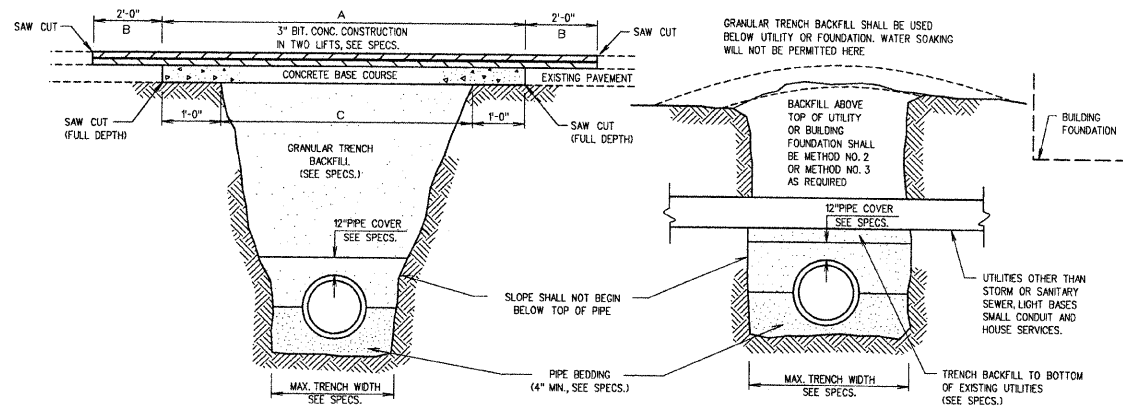


BACKFILL METHOD NO. 1

FOR BACKFILLING IN OPEN AREAS, SUCH AS CROPLAND OR OTHER ZONES WITH UNCLASSIFIED AND NON-IMPROVED SURFACES

BACKFILL METHOD NO. 2 OR 3

FOR BACKFILLING IN SOODING OR GRASSED AREAS (EXCEPT NEAR BUILDING FOUNDATIONS AND BENEATH OR ALONG NON-RIGID SURFACES)



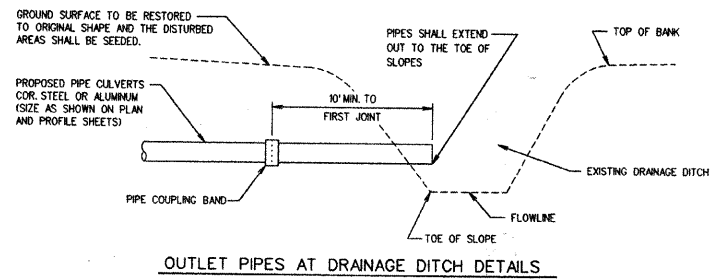
BACKFILL METHOD NO. 4

FOR BACKFILLING BENEATH CONCRETE, ASPHALT AND OIL & CHIP SURFACES, INCLUDING SIDEWALKS, DRIVES, PARKING AREAS, ETC.
 A. EXISTING SURFACE IN THIS AREA TO BE REMOVED FIRST (SAW CUT FULL DEPTH).
 B. ADDITIONAL BIT PAVEMENT TO BE REMOVED.
 C. GRANULAR TRENCH BACKFILL PAVEMENT WIDTH

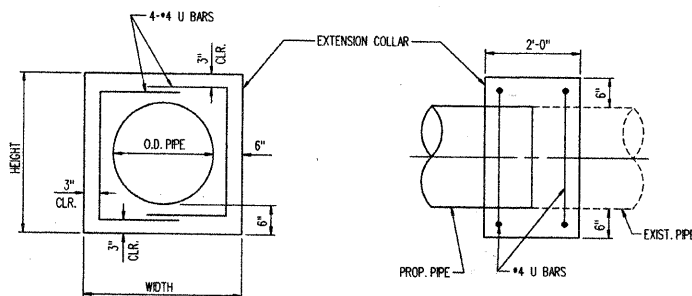
NOTE: FOR ACCEPTABLE GRANULAR TRENCH BACKFILL MATERIAL, SEE SPEC. SECTION 02222.

BACKFILL METHOD NO. 5

FOR BACKFILLING NEAR BUILDING FOUNDATIONS OR OTHER STRUCTURES OR UTILITIES PRESENTING SPECIAL HAZARDS.

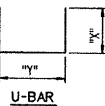


OUTLET PIPES AT DRAINAGE DITCH DETAILS



FRONT VIEW

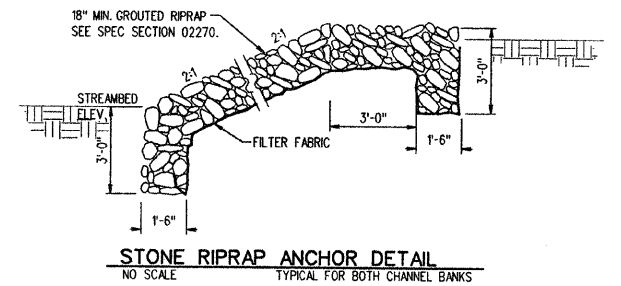
SIDE VIEW



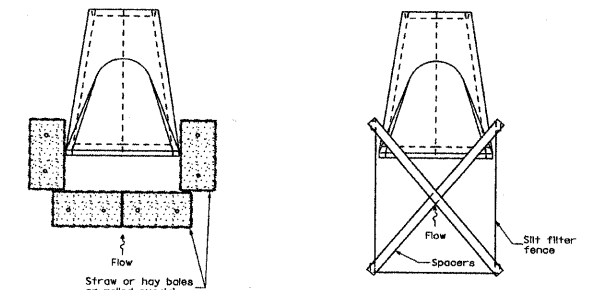
U-BAR

CULV. SIZE, DIA. IN.	EXTENSION COLLAR		U-BAR	
	WIDTH FEET	HEIGHT FEET	DMEN. "x"	DMEN. "x"
12"	2'-4"	2'-4"	1'-6"	1'-10"
15"	2'-7 1/2"	2'-7 1/2"	1'-9"	2'-1"
18"	2'-11"	2'-11"	2'-0"	2'-5"
21"	3'-2 1/2"	3'-2 1/2"	2'-2"	2'-8"
30"	4'-1"	4'-1"	2'-8"	3'-7"
36"	4'-8"	4'-8"	3'-0"	4'-2"

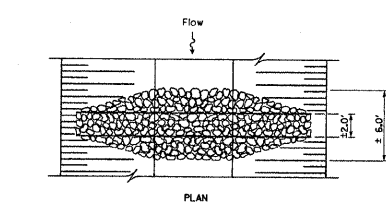
PIPE CULVERT CONNECTION COLLAR DETAILS



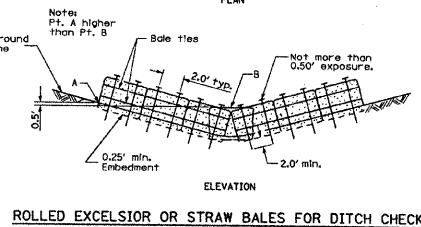
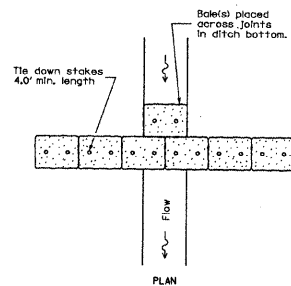
STONE RIPRAP ANCHOR DETAIL
NO SCALE TYPICAL FOR BOTH CHANNEL BANKS



INLET AND PIPE PROTECTION



AGGREGATE DITCH CHECK



ROLLED EXCELSIOR OR STRAW BALES FOR DITCH CHECK

DATE _____ BY _____
 SURVEYED _____
 ALIGNED _____
 CHECKED _____
 NO. _____
 PLAN

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 GRADES CHECKED _____
 SAWS NOTED _____
 NO. _____
 PROFILE