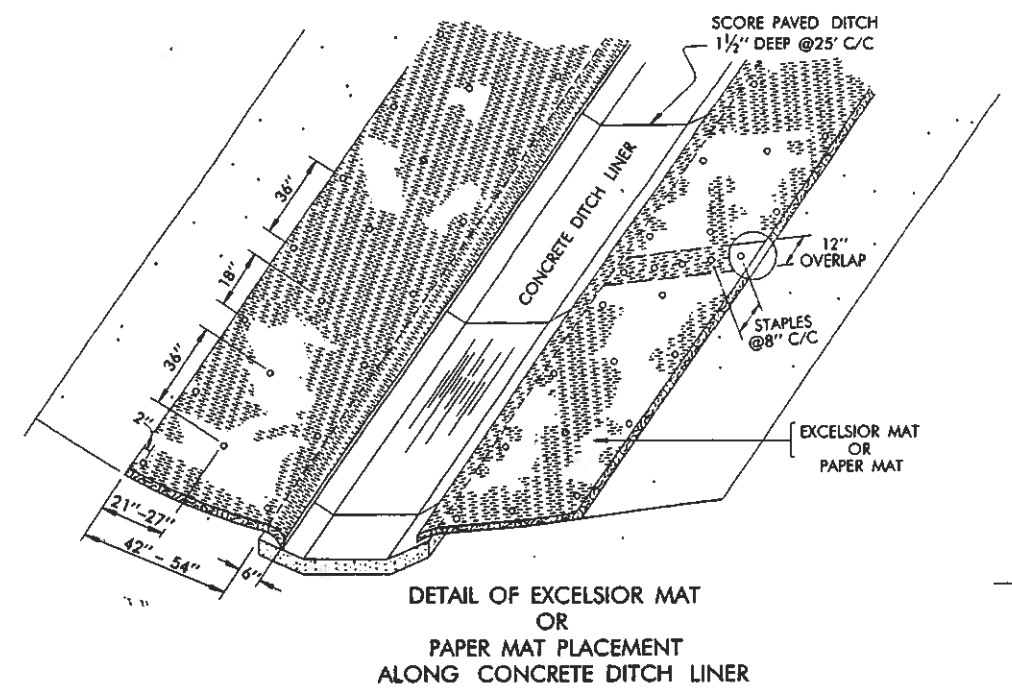
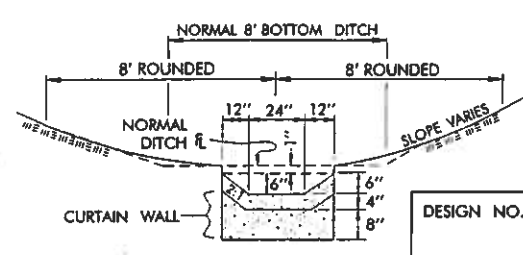


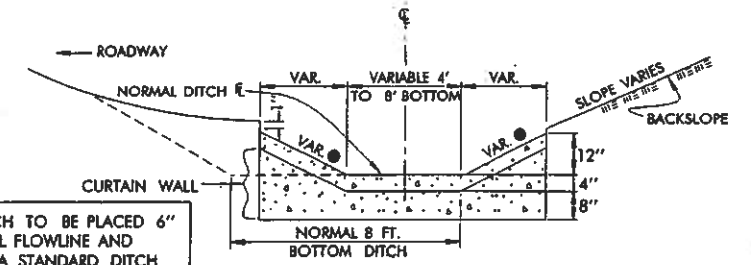
DESCRIPTION	REVISIONS	DATE
RE-ISSUE W/ENGLISH 1999 SPECS.		7/99
Amend Excelsior Mat. BOP Payitem No. 1gc.8/00		



DETAIL OF EXCELSIOR MAT OR PAPER MAT PLACEMENT ALONG CONCRETE DITCH LINER

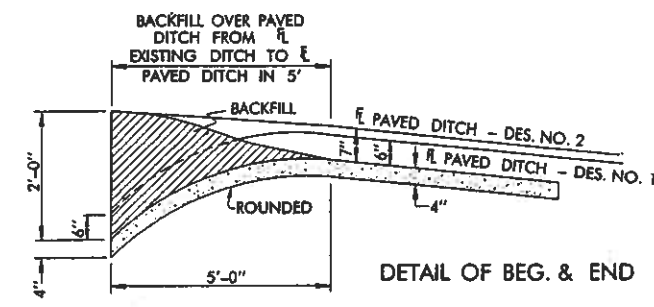


DESIGN NO. 1

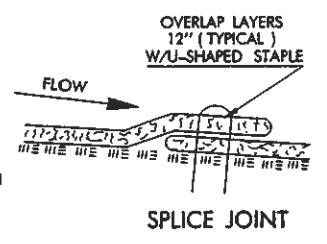


DESIGN NO. 2 SECTION B-B

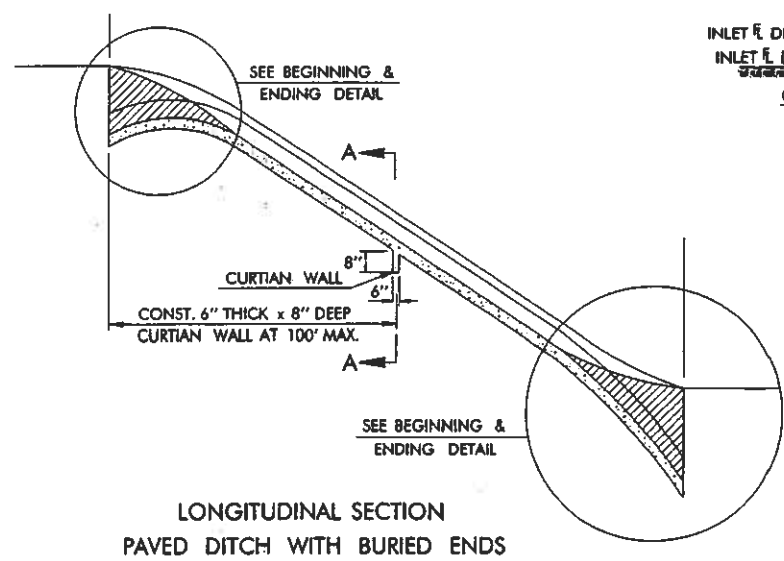
DESIGN NO. 1 - A PAVED PILOT DITCH TO BE PLACED 6" BELOW THE NORMAL FLOWLINE AND IN THE CENTER OF A STANDARD DITCH
 DESIGN NO. 2 - A DITCH THAT IS PAVED AND HAVING THE SAME FLOWLINE AS A STANDARD UNPAVED DITCH



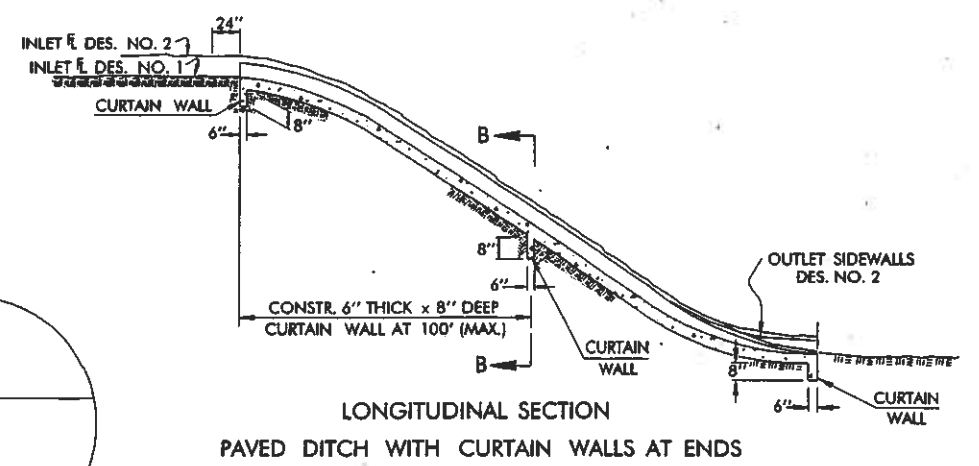
DETAIL OF BEG. & END



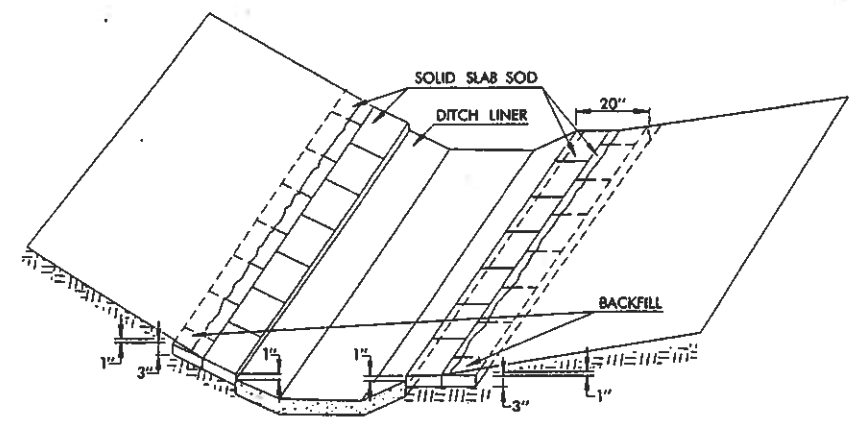
SPlice JOINT



LONGITUDINAL SECTION PAVED DITCH WITH BURIED ENDS



LONGITUDINAL SECTION PAVED DITCH WITH CURTAIN WALLS AT ENDS



EXCELSIOR MAT, PAPER MAT, OR SOLID SLAB SOD MAY BE USED AS DITCH LINER PROTECTION.

DITCH LINER PROTECTION

DETAIL OF SOLID SLAB SOD PLACEMENT ALONG CONCRETE DITCH LINER

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 1999 ENGLISH STANDARD SPECIFICATIONS.
2. COST OF EXCAVATION TO BE INCLUDED IN PRICE FOR CLASS C CONCRETE.
3. THE BEGINNING AND END DETAILS OF BURIED ENDS DO NOT APPLY WHERE THE PAVED DITCH TIES TO A STRUCTURE.
4. DITCH SHALL BE WATERED AND COMPACTED BEFORE PLACING CLASS C CONCRETE.
5. DITCH LINER PROTECTION WILL BE MEASURED BY THE LINEAR FOOT, IN PLACE.

QUANTITIES OF CLASS C CONCRETE PER L.F. OF PAVED DITCH											
QUANTITIES IN CUBIC YARDS											
BOTTOM WIDTH	DESIGN NO. 1					DESIGN NO. 2					
	2'-0"	3'-0"	4'-0"	5'-0"	6'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	
K 1	.0522	.0645	.0769	.0892	.1016	.1274	.1397	.1521	.1644	.1768	
K 2	.0586	.0709	.0832	.0955	.1078	.1790	.1913	.2036	.2159	.2282	
● VARIABLE AS SHOWN ON PLANS						K1	.1045	.1168	.1292	.1415	.1539
DESIGN 2A = 3:1 SLOPES						K2	.1357	.1480	.1603	.1726	.1850
DESIGN 2B = 2:1 SLOPES						K1	.0923	.1048	.1172	.1295	.1479
DESIGN 2C = 1:1 SLOPES						K2	.1105	.1228	.1352	.1476	.1600
TOTAL CLASS C CONC. = (LENGTH OF PAVED DITCH) (K1) + (NO. OF CURT. WALLS) (K2)											
K1 = CU. YDS. OF CONCRETE PER LINEAR FOOT											
K2 = CU. YDS. OF CONCRETE PER CURTAIN WALL											

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
509.06(E)	CLASS C CONCRETE	C.Y.
229.06	DITCH LINER PROTECTION	LF.
233.06(E)	EXCELSIOR MAT	S.Y.

APPROVED BY ROADWAY ENGINEER *C.M. Sankowski* DATE 8/15/00

OKLAHOMA DEPT. OF TRANSPORTATION
 ROADWAY STANDARD (ENGLISH)
 PAVED DITCHES & FLUMES