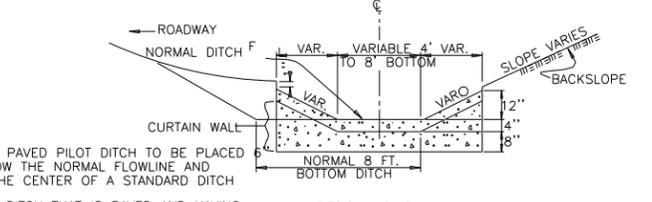
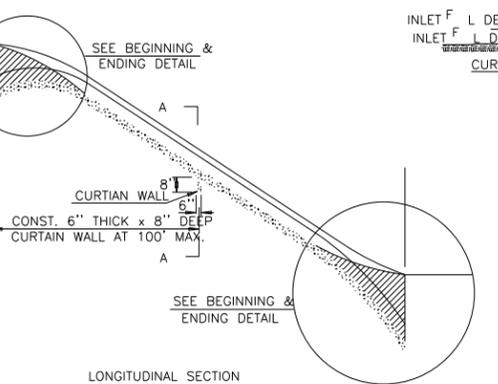


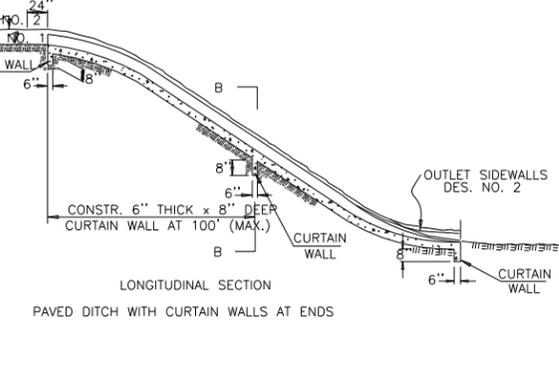
DESIGN NO. 1 - A PAVED PILOT DITCH TO BE PLACED BELOW THE NORMAL FLOWLINE AND IN THE CENTER OF A STANDARD DITCH



DESIGN NO. 2 - A DITCH THAT IS PAVED AND HAVING THE SAME FLOWLINE AS A STANDARD UNPAVED DITCH



LONGITUDINAL SECTION PAVED DITCH WITH BURIED ENDS



LONGITUDINAL SECTION PAVED DITCH WITH CURTAIN WALLS AT ENDS

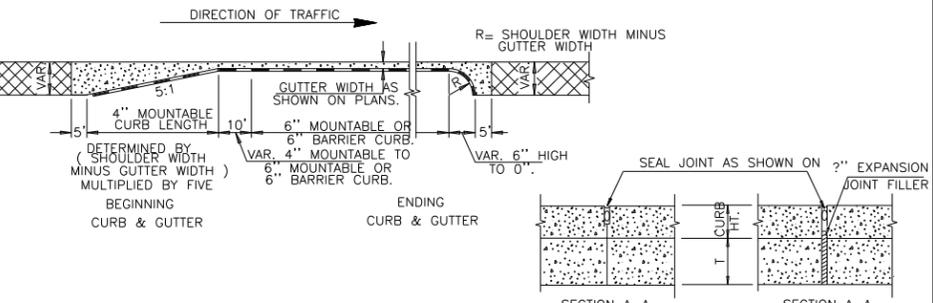
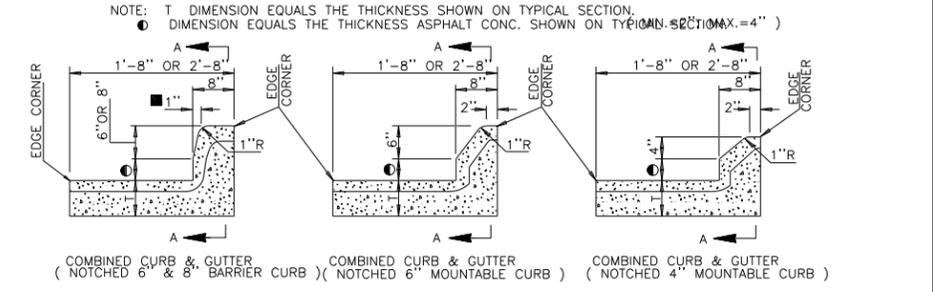
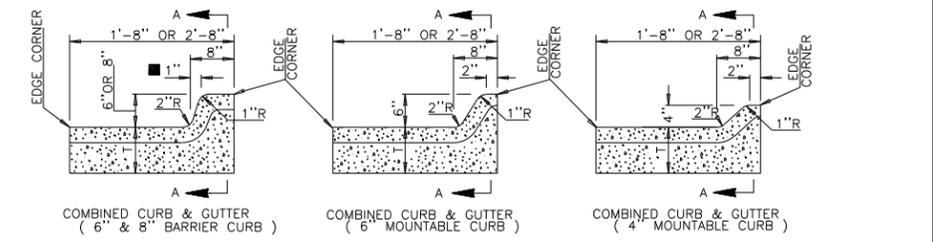
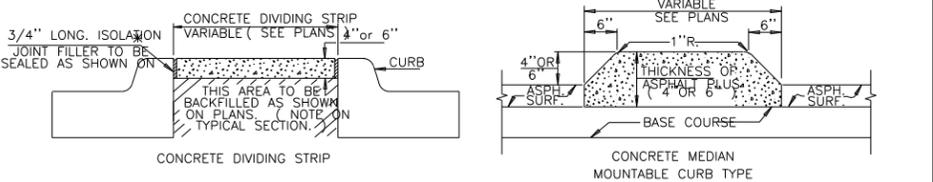
- GENERAL NOTES
1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 1999 ENGLISH STANDARD SPECIFICATIONS.
 2. COST OF EXCAVATION TO BE INCLUDED IN PRICE FOR CLASS C CONCRETE.
 3. THE BEGINNING AND END DETAILS OF BURIED ENDS DO NOT APPLY WHERE THE PAVED DITCH TIES TO A STRUCTURE.
 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.

	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"
BOTTOM WIDTH	.0522	.0645	.0769	.0892	.1016	.1274	.1397	.1521	.1644	.1768
K1	.0586	.0709	.0832	.0955	.1078	.1279	.1393	.1506	.1619	.1732
K2	.0586	.0709	.0832	.0955	.1078	.1279	.1393	.1506	.1619	.1732
VARIABLE AS SHOWN ON PLANS										
DESIGN 2A= 3:1 SLOPES						K1	.1357	.1480	.1603	.1726
DESIGN 2B= 2:1 SLOPES						K1	.0923	.1048	.1172	.1295
DESIGN 2C= 1:1 SLOPES						K2	.1105	.1228	.1352	.1476

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

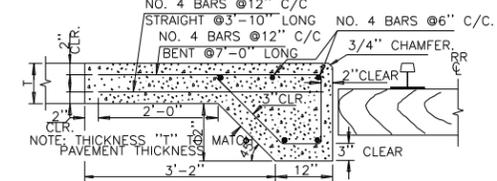
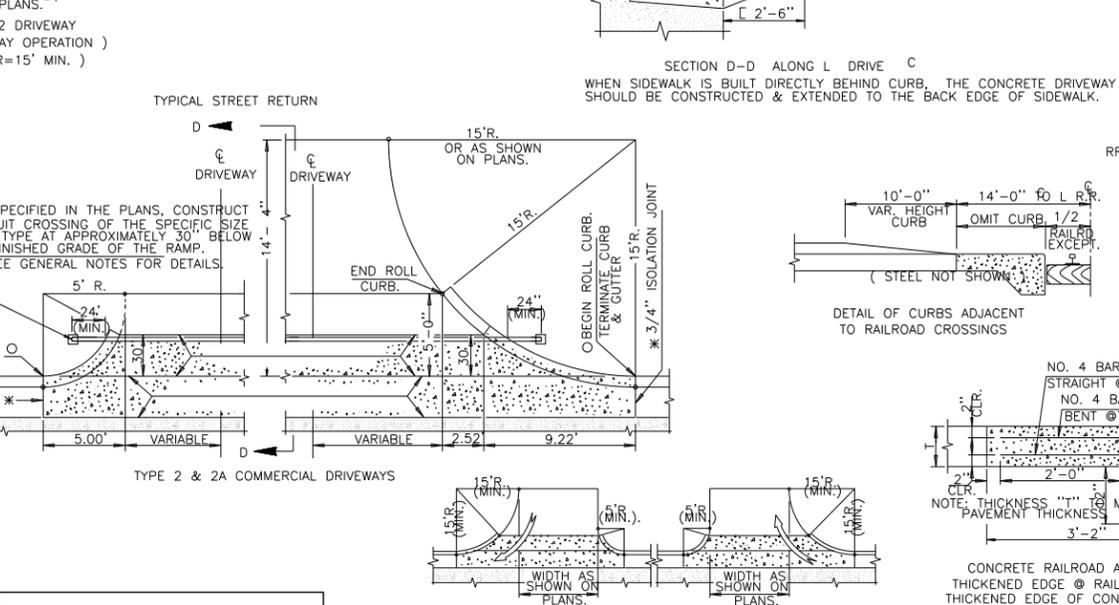
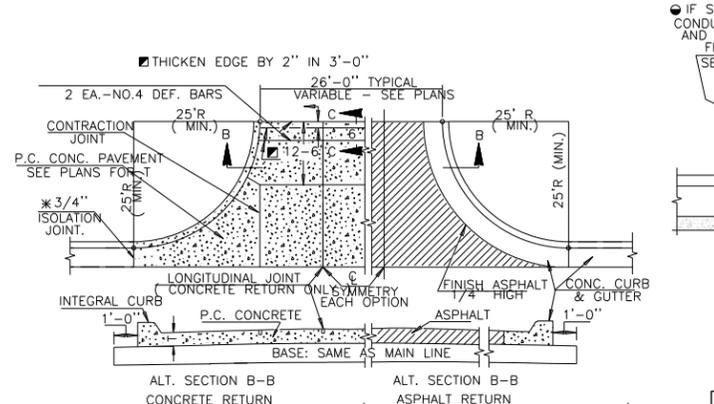
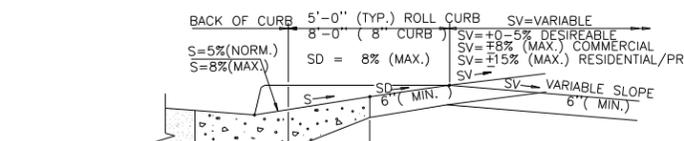
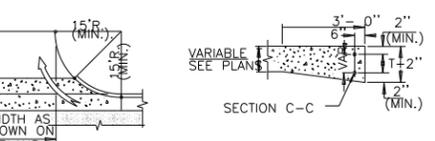
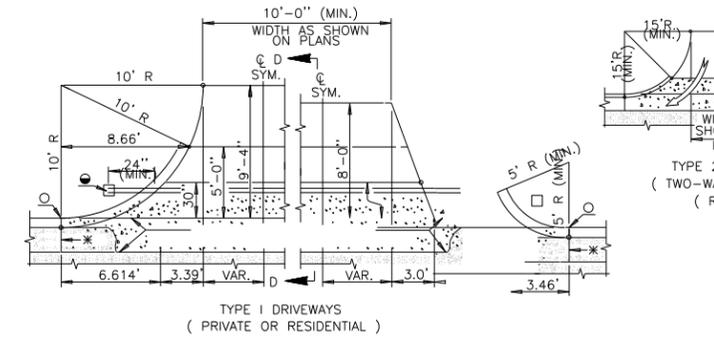
ITEM NO.	ITEM	UNIT
509.06 (E)	CLASS C CONCRETE	C.Y.
229.06	DITCH LINER PROTECTION	L.F.
233.06 (E)	EXCELSIOR MAT	S.Y.

STREETS AND DRAINAGE PAVED DITCHES STANDARDS



- GENERAL NOTES
1. TRANSVERSE ISOLATION JOINTS FOR CONCRETE DIVIDING STRIP AND CONCRETE MEDIAN, (MOUNTABLE CURB TYPE) TO BE 1/2" ISOLATION JOINT FILLER AT 50' C/C. 1/4" ISOLATION JOINT MATERIAL AT 1/3' POINTS BETWEEN 1/2" ISOLATION JOINTS. FILLER MATERIAL TO BE PREMOULDED AND JOINTS TO BE SEALED.
 2. COMBINED CURB & GUTTER SHALL HAVE 3/4" ISOLATION JOINTS AT THOSE LOCATIONS SHOWN ON THE PLANS. BUTT OR SAWED JOINTS SHALL BE SPACED AT 20'-0" CENTERS (MAX.). JOINT FILLER IN THE CURBS SHALL EXTEND TO WITHIN 2" OF THE FACE & TOP OF CURB. ALL JOINTS SHALL BE SEALED.
 3. ALL CONDUIT CROSSINGS ARE TO BE TRENCHED, PLACED, BACKFILLED AND COMPACTED PRIOR TO SURFACING. BORING OR PUSHING PROCEDURES MAY BE USED WHERE SURFACING IS ALREADY IN PLACE AND IF APPROVED BY THE ENGINEER.
 4. IF CONDUIT IS NOT CONTINUOUS BETWEEN DRIVEWAYS OR RAMPS, CAP BOTH ENDS OF EACH CONDUIT CROSSING AND PLACE MARKER TO PREVENT DAMAGE DURING CONSTRUCTION.
 5. CONDUIT SHALL NOT TERMINATE BELOW A SURFACED AREA, BUT SHALL EXTEND A MINIMUM OF 2'-0" PAST EDGE OF PAVING.
 6. FOR PULL BOX INSTALLATION DETAILS, SEE TRAFFIC STD. DRAWING PBD (PULL BOX DETAILS).
 7. RADIUS OF 2" MAY BE USED IF APPROVED BY THE ENGINEER.
 8. BATTER OF 2" MAY BE USED IF APPROVED BY THE ENGINEER.
 9. WIDTH OF CURB & GUTTER WILL BE SPECIFIED.
 10. HEIGHT & TYPE OF CURB SHALL BE SPECIFIED. THICKNESS WILL BE SPECIFIED.

CURB AND GUTTER CONSTRUCTION STANDARDS



Pavement Standard Details

Scale: NTS

DWG No: 400 - 01

SHEET 1 OF 4

PLACE ENGINEERING SEAL HERE