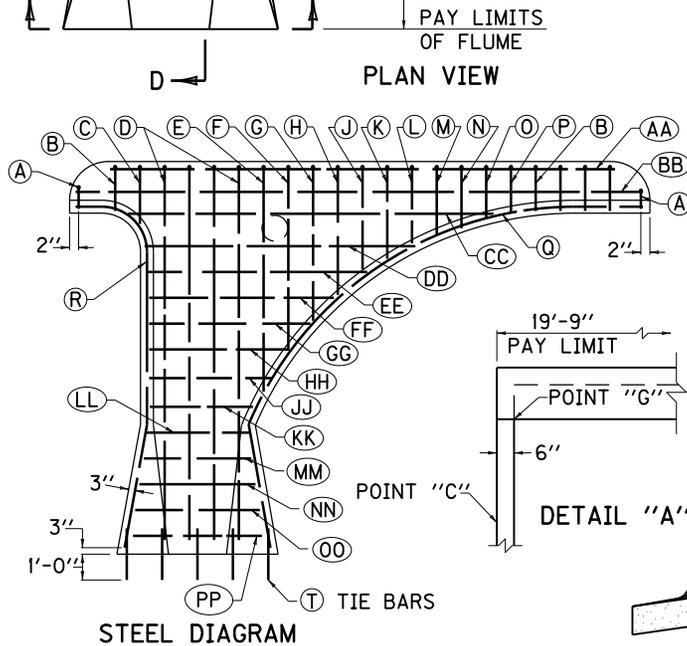


BILL OF REINFORCEMENT

MARK	QTY.	LENGTH	
		FEET	INCHES
A	2	1	10
B	5	2	9
C	1	3	3
D	4	15	6
E	1	9	9
F	1	8	2
G	1	7	0
H	1	6	0
J	1	5	0
K	1	4	6
L	1	4	0
M	1	3	8
N	1	3	5
O	1	3	0
P	1	2	10
Q	1	24	5
R	1	15	7
AA	2	19	7
BB	1	22	0
CC	1	14	2
DD	1	10	6
EE	1	8	6
FF	1	7	2
GG	1	6	3
HH	1	5	5
JJ	1	4	9
KK	1	4	0
LL	1	4	0
MM	1	4	2
NN	1	4	6
OO	1	4	10
PP	1	5	0
T	5	2	0

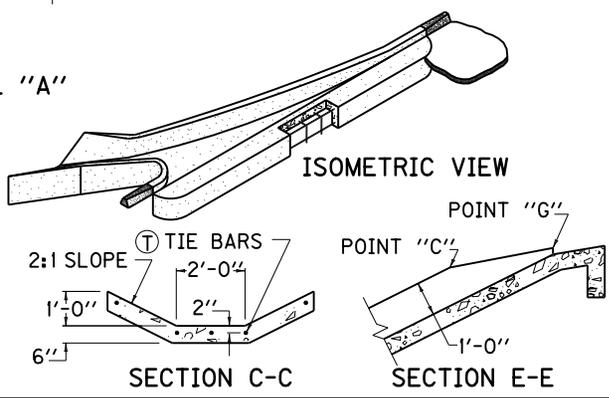


SECTION D-D

NOTES

1. ALL REINFORCEMENT SHALL BE NO. 4 BARS SPACED 1'-0" O.C.
2. QUANTITIES WERE CALCULATED FOR APPLICATION ON A 2:1 FILL SLOPE. IT MAY BE NECESSARY TO ADJUST THE STEEL IN THE FIELD FOR APPLICATION OTHER THAN 2:1 SLOPE.
3. THE FLOW LINE OF THE FLUME AND THE NORMAL PAVED DITCH FROM POINT "G" ON THE FLUME TO THE LOWER END OF THE NORMAL PAVED DITCH SHALL BE A STRAIGHT LINE GRADE.
4. TRANSITION 6" HIGH CURB FROM POINT "B" TO 1'-0" HIGH CURB AT POINT "C".
5. TRANSITION 6" HIGH CURB FROM POINT "A" TO 1'-0" HIGH CURB AT SECTION A-A.
6. WHEN FLUME IS LAST ON A DOWN GRADE, SHORT RADIUS BETWEEN POINTS "B" AND "C" IS NOT NECESSARY. SIDE WALL CAN BE EXTENDED STRAIGHT AND TRANSITIONED FROM 1'-0" AT POINT "C" TO 1/2" HIGH AT POINT "G". SEE DETAIL "A"
7. WHEN FLUME IS SHORTENED AS DETAIL "A", STEEL REINFORCEMENT BARS A AND B DECREASED ONE BAR EACH. SHORTEN BAR AA TO 18'-3", BAR BB TO 19'-3", AND BAR CC TO 13'-6".
8. IF CURB IS CONTINUED USE 2'-0" TRANSITION TO BIT. WEDGE CURB.
9. USE 37'-6" GUARDRAIL STEEL W BEAM-S FACE (NESTED) ACROSS FLUME OPENING.
10. CONCRETE, REINFORCEMENT, EXCAVATION AND EXTRA GUARDRAIL (NESTED RAIL) SHALL BE INCIDENTAL TO UNIT BID PRICE.

APPROX. QUANTITIES	
CLASS "A" CONC.	3.7 CU. YDS.
STEEL REINF.	225 LBS.



**KENTUCKY
DEPARTMENT OF HIGHWAYS**

**FLUME INLET
TYPE 2**

STANDARD DRAWING No. RDD-021-07

SUBMITTED: <i>[Signature]</i>	12-2-11
DIRECTOR, DIVISION OF DESIGN	DATE
APPROVED: <i>[Signature]</i>	12-2-11
STATE HIGHWAY ENGINEER	DATE