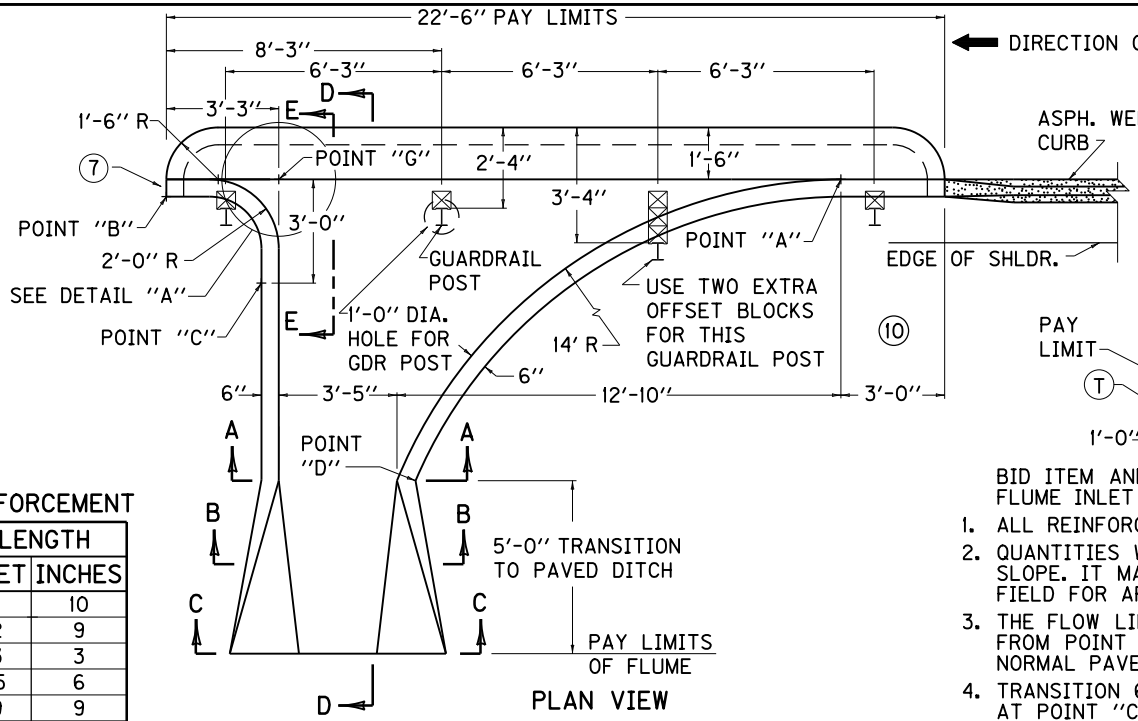
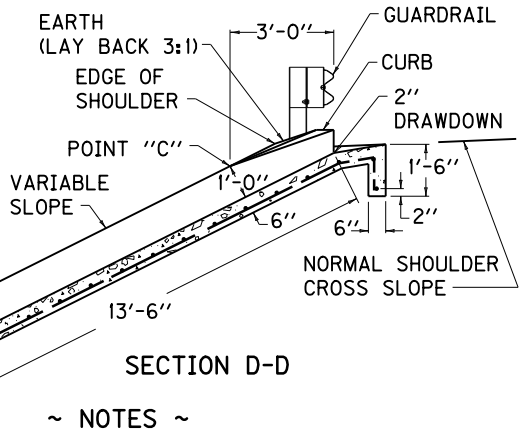
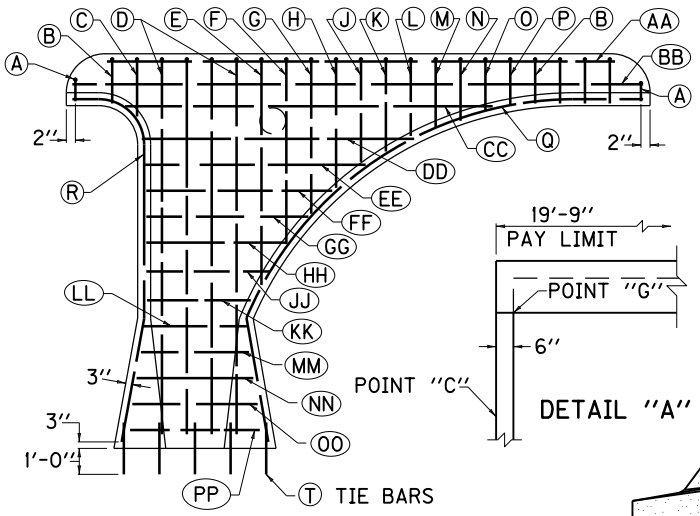




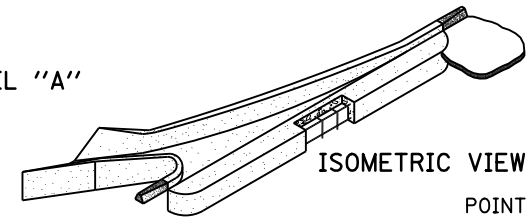
BILL OF REINFORCEMENT

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

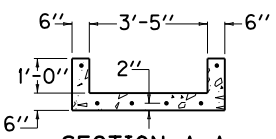


STEEL DIAGRAM

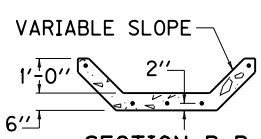
DETAIL "A"



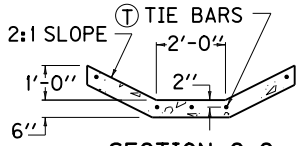
ISOMETRIC VIEW



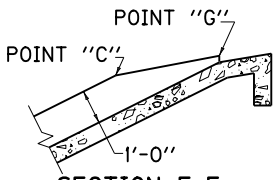
SECTION A-A



SECTION B-B



SECTION C-C



SECTION E-E

~ NOTES ~

BID ITEM AND UNIT TO BID
FLUME INLET TYPE 2 EACH

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" AND FROM POINT "A" TO 1'-0" HIGH CURB AT POINT "D".
5. WHEN A 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 ½" HIGH AT POINT "G". SEE DETAIL "A"
6. 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".

(7) IF CURB IS CONTINUED USE 2'-0" TRANSITION TO ADJACENT CURB.

8. USE 37'-6" GUARDRAIL STEEL W BEAM-S FACE (NESTED) ACROSS FLUME OPENING.
9. CONCRETE, REINFORCEMENT, EXCAVATION AND EXTRA GUARDRAIL (NESTED RAIL) SHALL BE INCIDENTAL TO UNIT BID PRICE.

(10) TRANSITION FROM ADJACENT CURB TO 6" AT POINT "A".

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 _____ DIRECTOR DIVISION OF DESIGN 12-01-15 DATE

APPROVED _____ STATE HIGHWAY ENGINEER 12-01-15 DATE