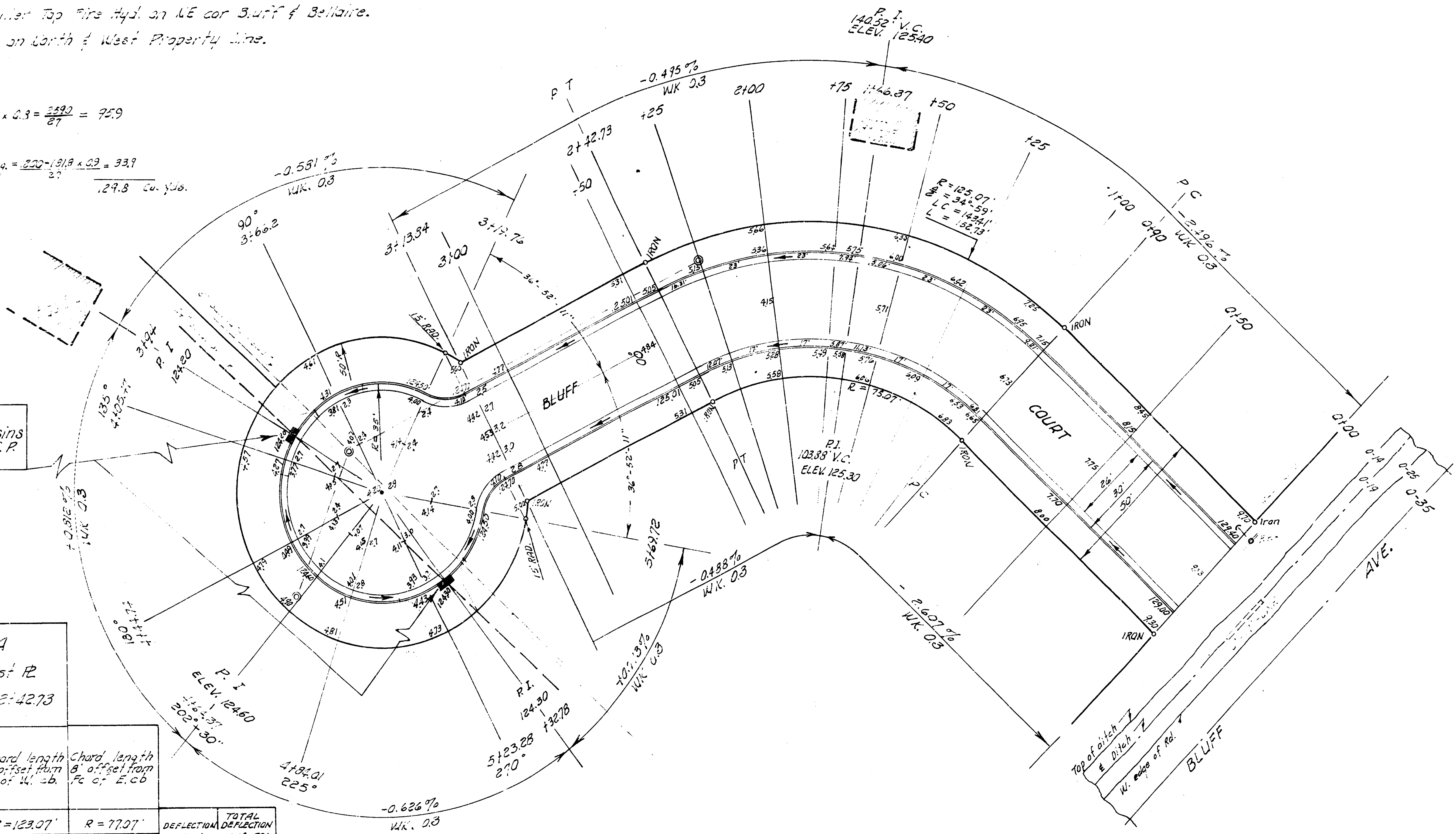
B.M. 123.35 Nut on Mueller Top Fire Hyd. on NE cor Bluff & Bellaire.
Stationing & Baseline on North & West Property Line.

Area of ◔ = 3237.5 x 0.8 = 2590/27 = 95.9

Area of ◁ less 2 Seg. = (1200−191.8) x 0.9 / 27 = 33.9

129.8 Cu. yds.


P.I.
140.52' V.C.
ELEV. 125.40
-0.495 %
W.K. 0.3
P.T.
2+42.73
+25
2+00
+75
1+46.37
+50
+25
1+00
0+90
P.C.
R = 125.07'
Δ = 34°-59'
LC = 143.41'
L = 152.73'
-0.581 %
W.K. 0.3
90°
3+66.2
3+13.34
3+00
15' RAD.
IRON
BLUFF
COURT
0+50
0+00
P.I.
103.38' V.C.
ELEV. 125.30
P.T.
R = 77.07'
-0.438 %
W.K. 0.3
-0.607 %
W.K. 0.3
P.I.
ELEV. 124.60
1+64.37
202°-30'
4+84.01
225°
-0.636 %
W.K. 0.3
5+23.28
270°
P.I.
124.30
+0.313 %
W.K. 0.3
135°
+0.816 %
W.K. 0.3
180°
Top of ditch
Ditch
W. edge of Rd.
BLUFF
AVE.
N

NOTE:
Install 2-catch basins over existg 24" R.C.P. S. W. S.

SCALE 1" = 20'

EARTH WORK

Excavation Prop.	Excavation City	Fill Compaction Prop.	Fill Compaction City
274.2	0.0	286.3	0.0
27.4		23.1	
301.6 Cu. yds.	0.0	309.4 Cu. yds.	0.0

CURVE DATA

Stationing on west PL
Sta. 0+90 to Sta 2+42.73

STATIONS	Arc length on W. PL	Chord length 8' offset from Fc of W. cb.	Chord length 8' offset from Fc of E. cb	DEFLECTION	TOTAL DEFLECTION
	R = 125.07'	R = 123.07'	R = 77.07'	½ Δ = 34°-59'	
0+90					
1+00	10.00'	9.84'	6.16	2°-17'-26"	
1+25	25.00'	24.56'	15.38	5°-43'-35"	8°-01'-01"
1+50	25.00	24.56'	15.38	5°-43'-35"	14°-44'-36"
1+66.37	16.37	16.09'	10.08	3°-44'-58"	17°-29'-34"
1+75	8.63	8.51'	5.33	1°-58'-36"	19°-28'-10"
2+00	25.00	24.55'	15.38	5°-43'-35"	25°-11'-45"
2+25	25.00	24.56	15.38	5°-43'-35"	30°-55'-20"
2+42.73	17.73	17.43	10.92	4°-03'-40"	34°-59'-00"

JAMES H. TANDY 2012

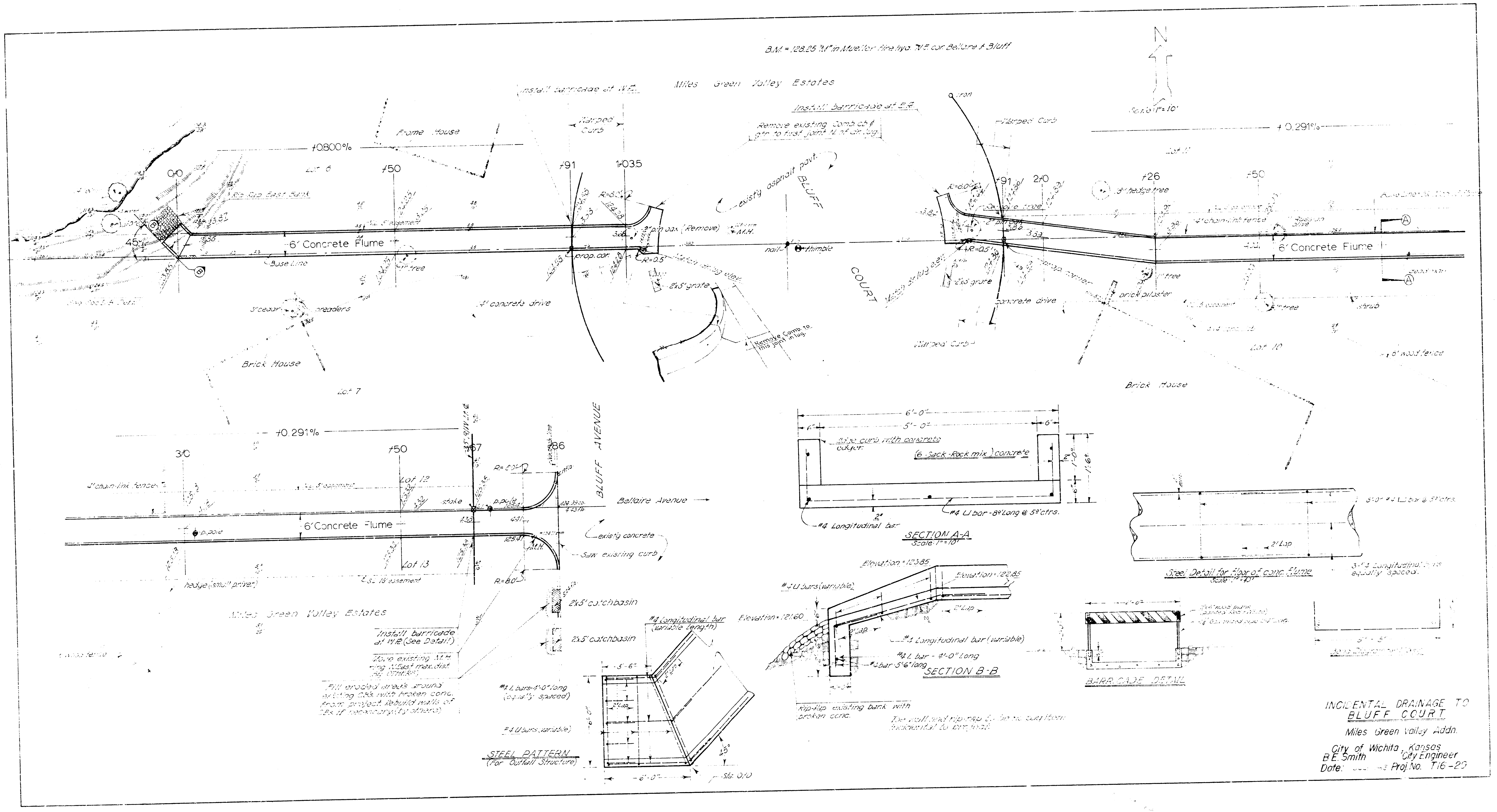
JOHN H. EPPERSON 531

B. E. SMITH 436

1/2

BLUFF COURT

WL BLUFF TO & INCLUDING CUL-DE-SAC
26-2-30 A.C.
CITY OF WICHITA, KANSAS
B. E. SMITH CITY ENGINEER
APRIL 1959, PROJ. NO. C.19-39


B.M. = 128.25 "M" in Mueller fire hyd. N.E. cor. Bellaire & Bluff
N
Scale 1" = 10'
Miles Green Valley Estates
Install barricade at W.E.
Install barricade at E.E.
Remove existing Comb. cb & gtr. to first joint N. of dr. lug.
Warped Curb
Frame House
+0.800%
+0.291%
Lot 6
Lot 7
Lot 10
Lot 11
Lot 12
Lot 13
0+0
+50
+91
1+035
+26
2+0
3+0
+67
+86
45°
Rip-Rap East Bank
6' Concrete Flume
Base Line
prop. cor.
R=6.0'
R=0.5'
R=8.0'
3" pin oak (Remove)
M.H.
exist'g asphalt pavt.
BLUFF
COURT
nail
thimble
2x5' grate
4' concrete drive
3" cedar
spreaders
Brick House
Remove Comb. to this joint in lug.
iron
Remove tree
2" pin oak
8" hedge tree
4' chain-link fence
Russian olive
brick pilaster
concrete drive
tree
shrub
6' wood fence
Base Line
A
B
4' chain-link fence
5' easement
stake
p. pole
BLUFF AVENUE
Bellaire Avenue
exist'g concrete
Saw existing curb
hedge (small privet)
15' easement
2x5' catchbasin
2x5' catchbasin
Install barricade at W.E. (See Detail)
Move existing M.H. ring N. East max. dist. (by OTHERS)
Fill eroded areas around existing C.B.s with broken conc. from project. Rebuild walls of C.B.s if necessary (by others)
#4 longitudinal bar (variable length)
#4 L bars-4'-0" long (equally spaced)
#4 U bars (variable)
2' Lap
3'-6"
6'-0"
6'-0"
45°
Sta. 0+0
STEEL PATTERN
(For Outfall Structure)
6'-0"
5'-0"
6"
6"
Edge curb with concrete edger.
(6 Sack-Rock mix) concrete
2"
1'-0"
1'-6"
6"
2"
#4 U bar - 8' Long @ 5' ctrs.
#4 Longitudinal bar
SECTION A-A
Scale: 1" = 10'
Elevation = 123.85
Elevation = 122.85
Elevation = 121.60
#4 U bars (variable)
2' Lap
2' Lap
#4 Longitudinal bar (variable)
#4 L bar - 4'-0" Long
#4 bar 5'-6" long
SECTION B-B
Rip-Rap existing bank with broken conc.
8'-0" #4 U bar @ 5' ctrs.
2' Lap
3-#4 Longitudinal bars equally spaced.
Steel Detail for floor of conc. flume
BARRICADE DETAIL
5'-5"

INCIDENTAL DRAINAGE TO
BLUFF COURT

Miles Green Valley Addn.

City of Wichita, Kansas
B.E. Smith City Engineer
Date: Proj. No. T16-29