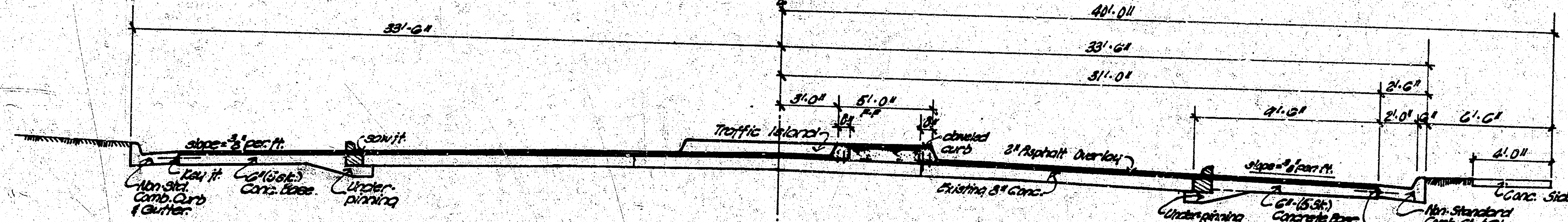
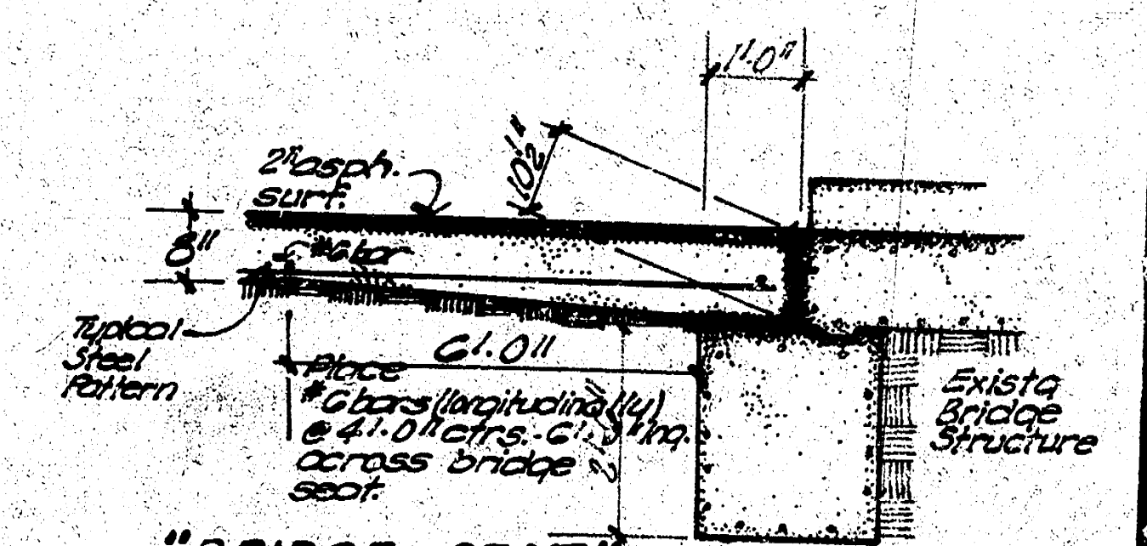
°° LINCOLN STREET °°

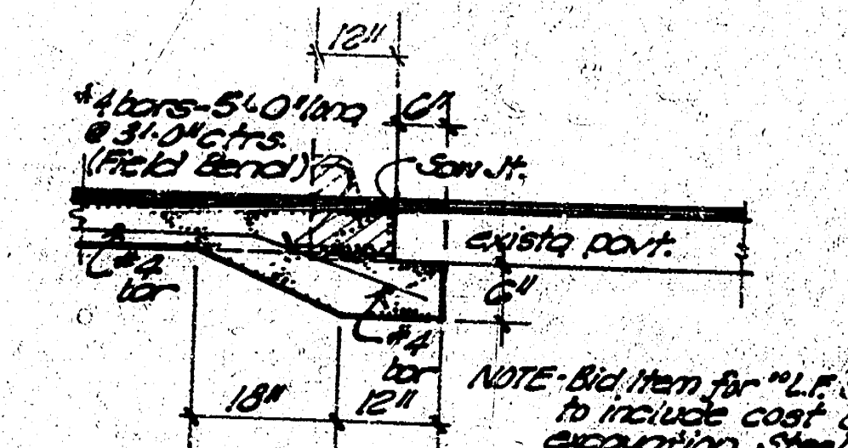
E.L. MIDLAND VALLEY RAILROAD R/W
LEFT BANK OF ARKANSAS RIVER
PROJECT NO. C18-46



TYPICAL SECTION

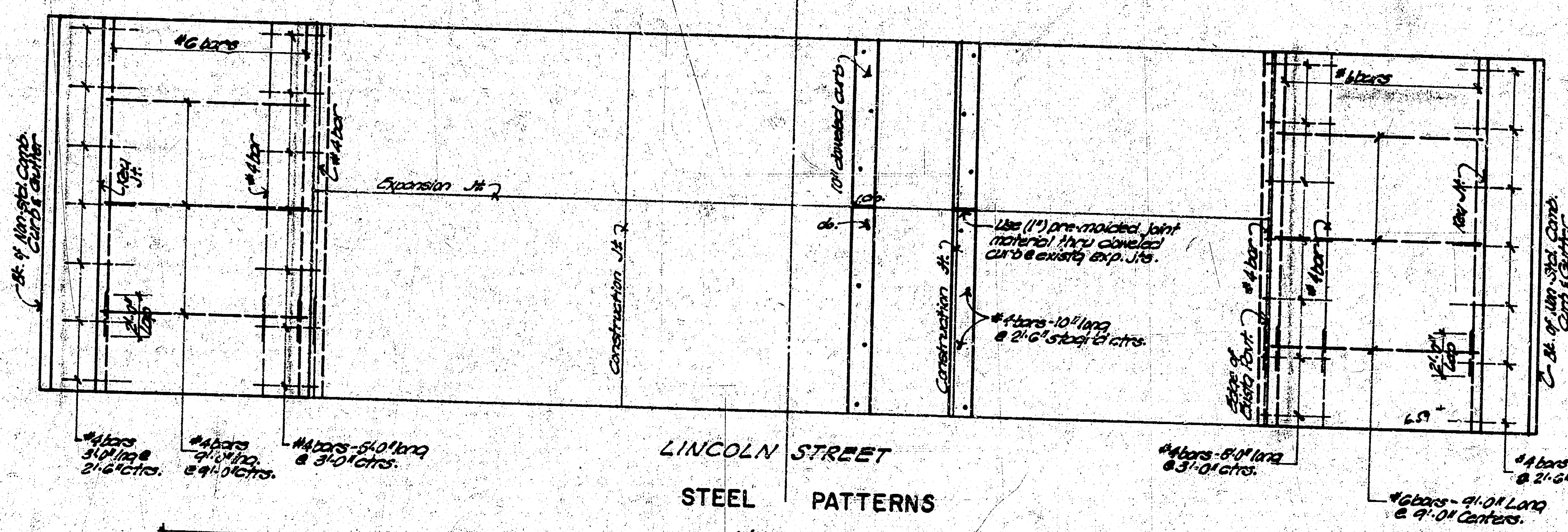


"BRIDGE SEAT" DETAIL



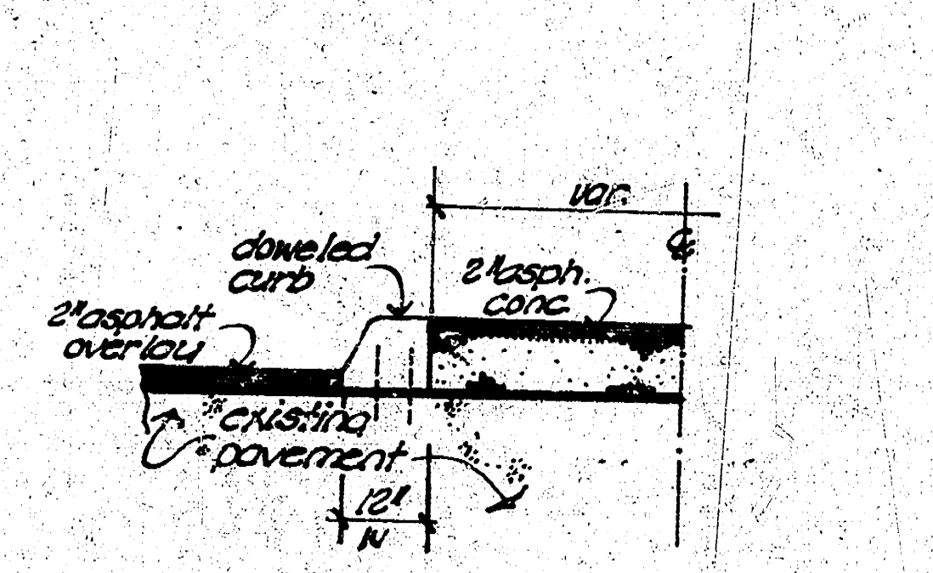
NOTE - Bid Item for "L.F. Under-pinning" to include cost of concrete & excavation. Steel to be paid as (Lbs.) of reinf. steel.

°° UNDER-PINNING DETAIL °°


#6 bars
Bk. of Non-Std. Comb. Curb & Gutter
Key Jt.
#4 bar
#4 bar
2'-0" Lap
Expansion Jt.
Construction Jt.
10" Doweled curb
do.
Use (1") pre-molded joint material thru doweled curb & exist'g exp. jts.
Construction Jt.
#4 bars-10" long @ 2'-6" stagg'd ctrs.
Edge of Exist'g Pavt.
#4 bar
#4 bar
Key Jt.
2'-0" Lap
6.9
#6 bars
Bk. of Non-Std. Comb. Curb & Gutter
#4 bars 3'-0" lng @ 2'-6" ctrs.
#4 bars 9'-0" lng. @ 9'-0" ctrs.
#4 bars-5'-0" long @ 3'-0" ctrs.
#4 bars-5'-0" long @ 3'-0" ctrs.
#6 bars-9'-0" Long @ 9'-0" Centers.
#4 bars-3'-0" long @ 2'-6" ctrs.

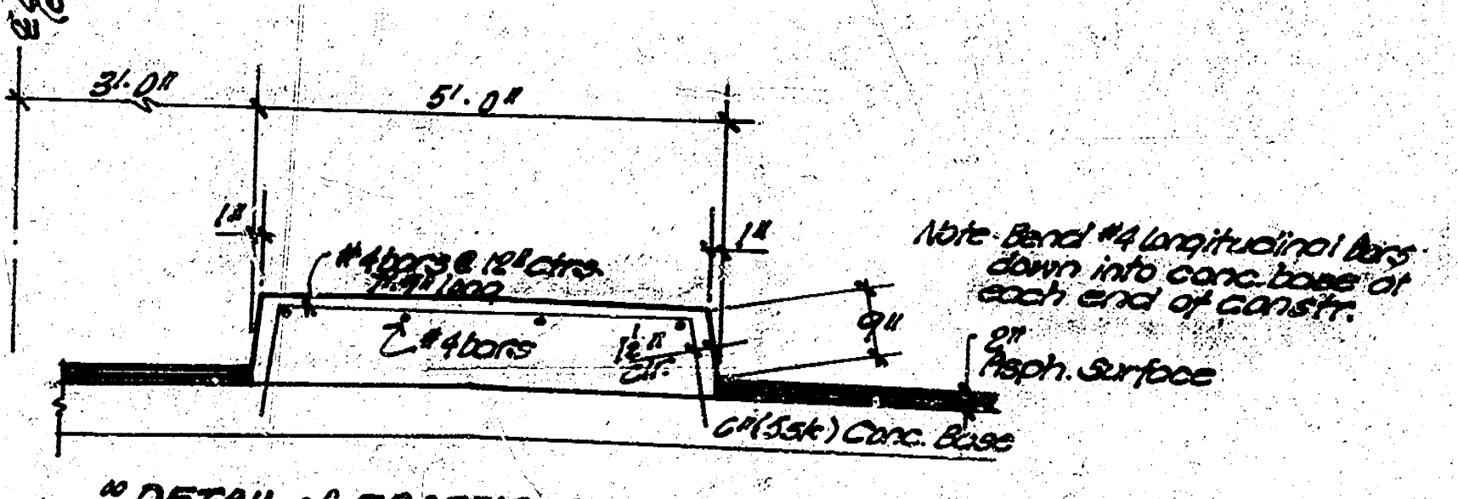
LINCOLN STREET

STEEL PATTERNS



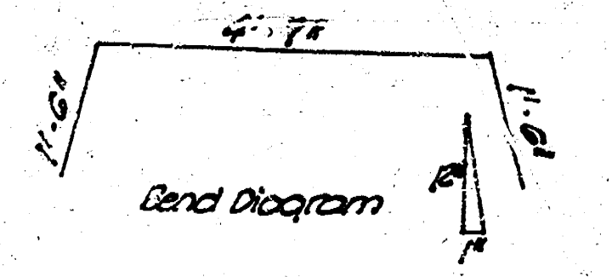
°° TYPICAL TRAFFIC ISLAND DETAIL °°

NOTE: "Select Fill Material" is to consist of 80% conc. sand & 20% select soil thoroughly mixed. This mat'l is to be mechanically compacted in the median to the satisfaction of Engr.

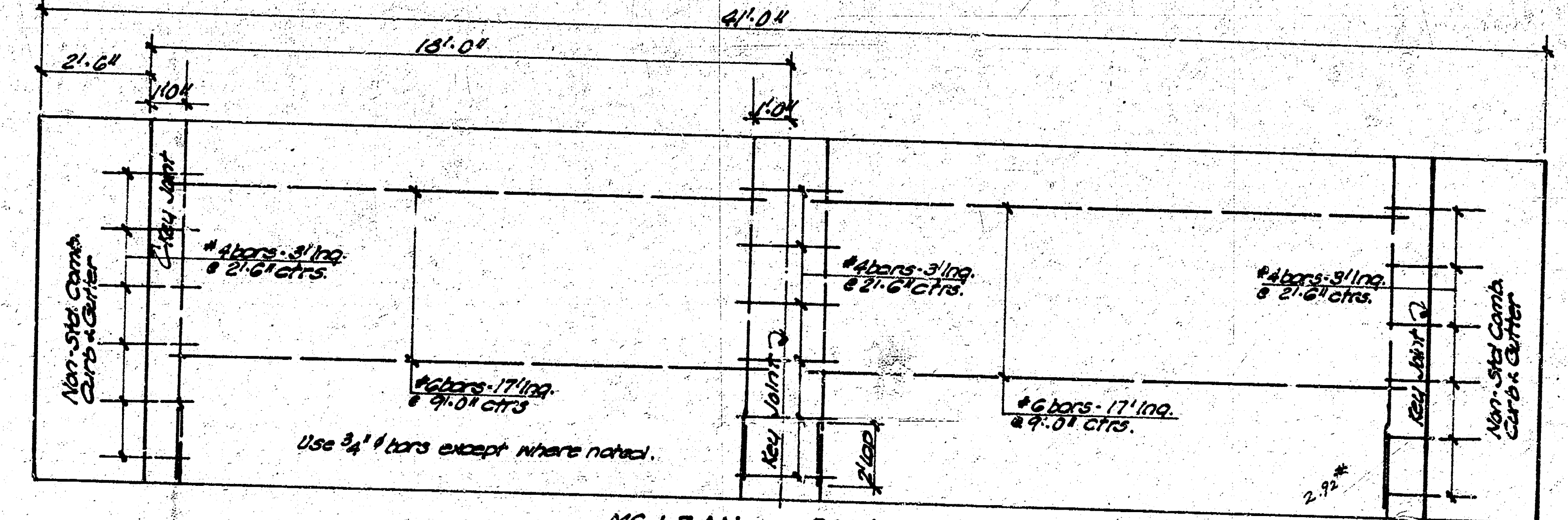


Note - Bend #4 longitudinal bars down into conc. base at each end of constr.

°° DETAIL of TRAFFIC ISLAND °° at W.L. of Lincoln St. Bridge on McLean Blvd.
(8 sk. Conc.)
(100 # - ½" bars)

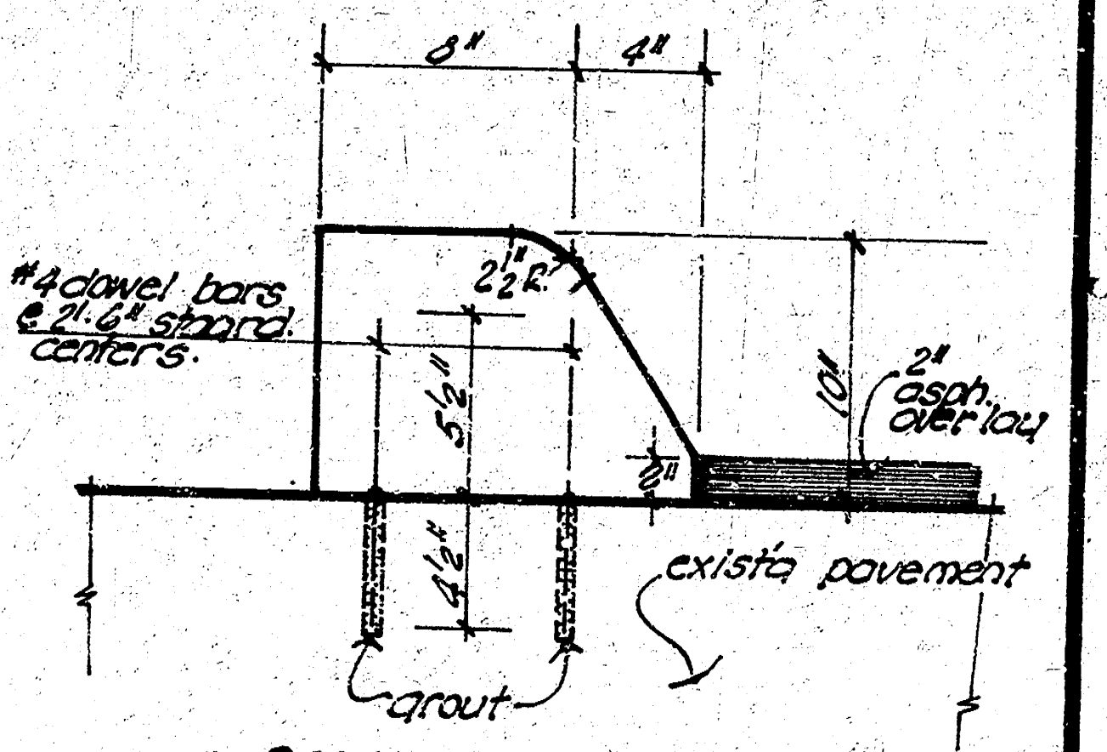


Bend Diagram


41'-0"
18'-0"
2'-6"
1'-0"
1'-0"
Non-Std. Comb. Curb & Gutter
Key Joint
#4 bars-3' lng. @ 2'-6" ctrs.
#6 bars-17' lng. @ 9'-0" ctrs.
Key Joint
2' Lap
#4 bars-3' lng. @ 2'-6" ctrs.
#6 bars-17' lng. @ 9'-0" ctrs.
#4 bars-3' lng. @ 2'-6" ctrs.
Key Joint
2.92 #
Non-Std. Comb. Curb & Gutter

Use ¾" φ bars except where noted.

McLEAN BOULEVARD



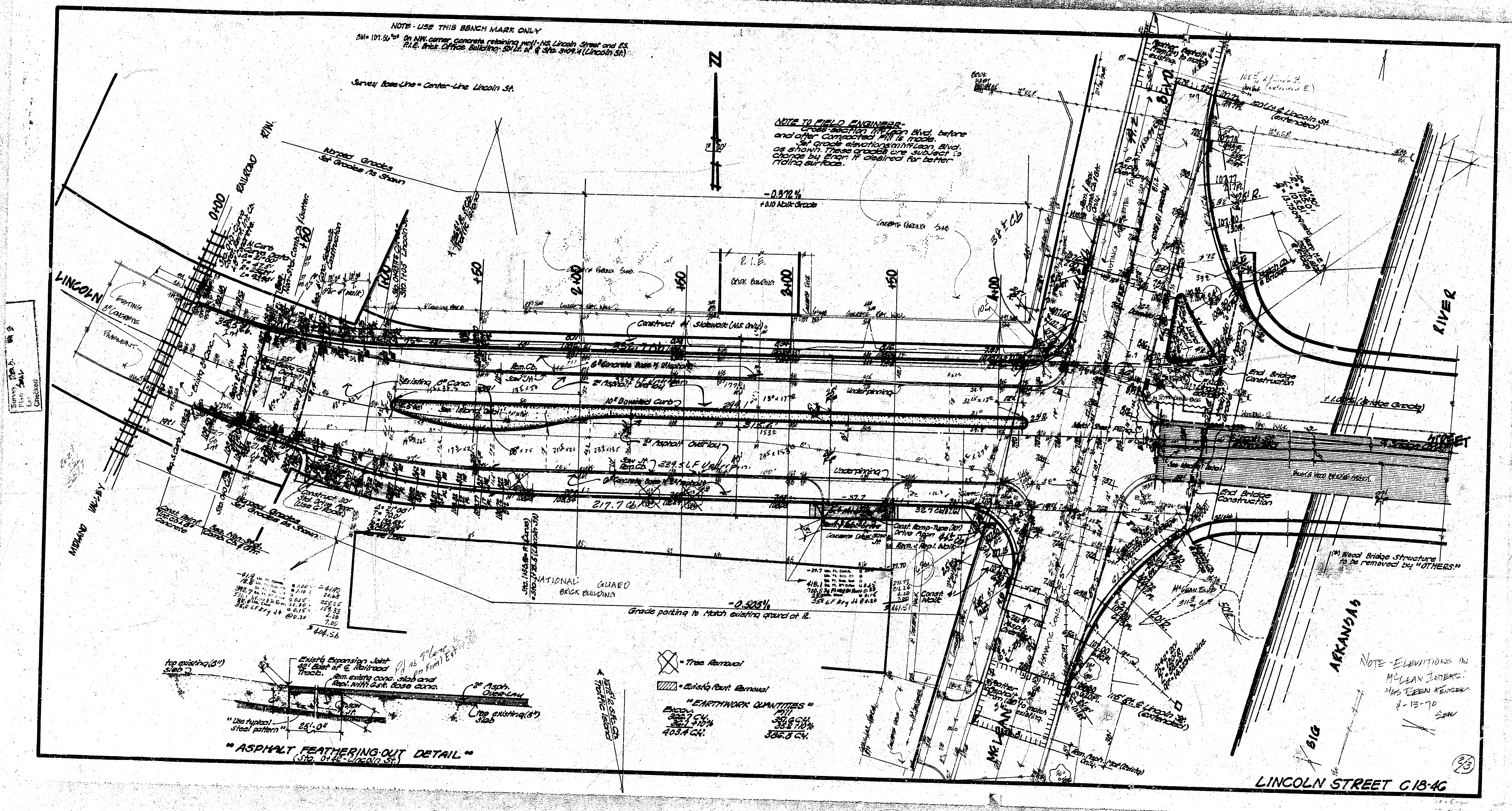
°° DOWELED CURB °°
(8 sk. conc.)

B. E. SMITH 435

1/3

Nov. 1969

CITY OF WICHITA, KANSAS
B.E. Smith — CITY ENGINEER
Date: Nov. 1969



NOTE - USE THIS BENCH MARK ONLY

BM= 101.56"D" On NW. corner concrete retaining wall - NS. Lincoln Street and ES. P.I.E. Brick Office Building: 50 Lt. of ℄ Sta. 3+09.4 (Lincoln St.)

Survey Base-Line = Center-Line Lincoln St.

NOTE TO FIELD ENGINEER-
Cross-section McLean Blvd. before and after Compacted Fill is made.
Set grade elevations on McLean Blvd. as shown. These grades are subject to change by Engr. if desired for better riding surface.

Grade parting to Match existing ground at R.

(*) Wood Bridge Structure to be removed by "OTHERS."

"ASPHALT FEATHERING-OUT DETAIL"
(Sta. 0+42 - Lincoln St.)

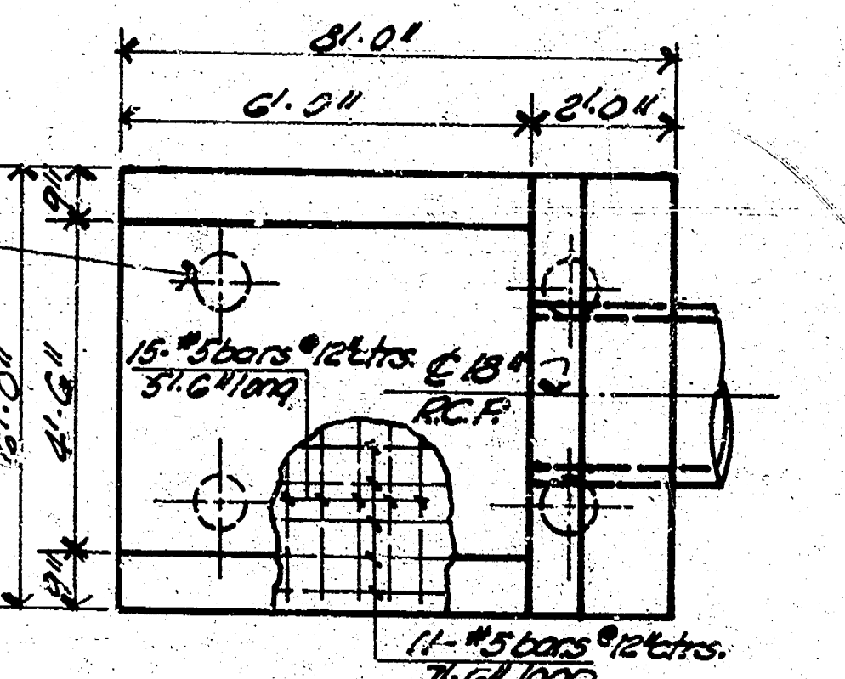
"EARTHWORK QUANTITIES"

Excav.	Fill
366.7 C.Y.	351.6 C.Y.
36.7 +10%	35.2 +10%
403.4 C.Y.	386.8 C.Y.

Note - Elevations in McLean Interc. has been revised 1-13-70

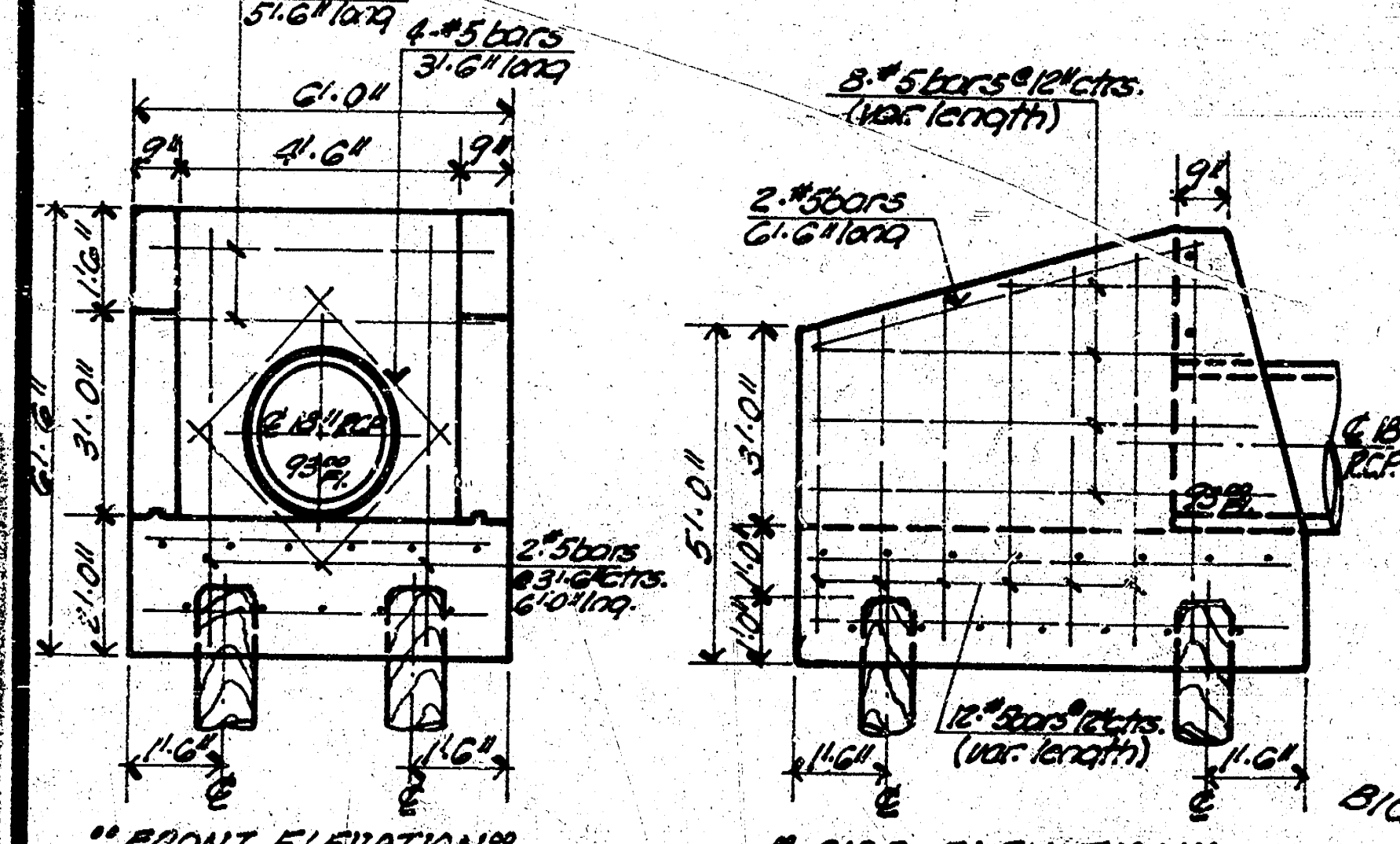
LINCOLN STREET C18-46

BILL of MATERIALS
5.88 C.Y. (6 sk) Conc.
355 Lbs. Reinf. Steel
4-20'x10" Butt treated timber piles


20' treated timber pile 10" butt (min.) 4 req.
8'.0"
6'.0"
2'.0"
6'.0"
4'.6"
9"
15-#5 bars @ 12" ctrs. 5'.6" long
℄ 18" R.C.P.
11-#5 bars @ 12" ctrs. 7'.6" long

"PLAN VIEW"

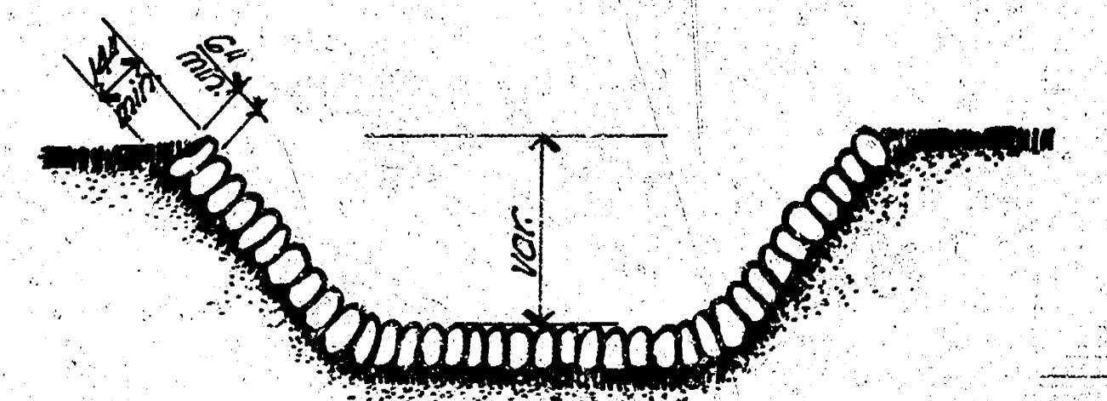
"REINF. CONC. OUTFALL STRUCTURE"
3/8" = 1'.0"


2-#5 bars @ 12" ctrs. 5'.6" long
4-#5 bars 3'.6" long
6'.0"
9"
4'.6"
9"
1'.6"
3'.0"
6'.6"
2'.0"
℄ 18" R.C.P.
93.00 Fl.
2-#5 bars @ 3'.6" ctrs. 6'.0" lng.
1'.6"
℄
8-#5 bars @ 12" ctrs. (var. length)
2-#5 bars 6'.6" long
5'.0"
1'.0"
℄ 18" R.C.P.
93.00 Fl.
12-#5 bars @ 12" ctrs. (var. length)

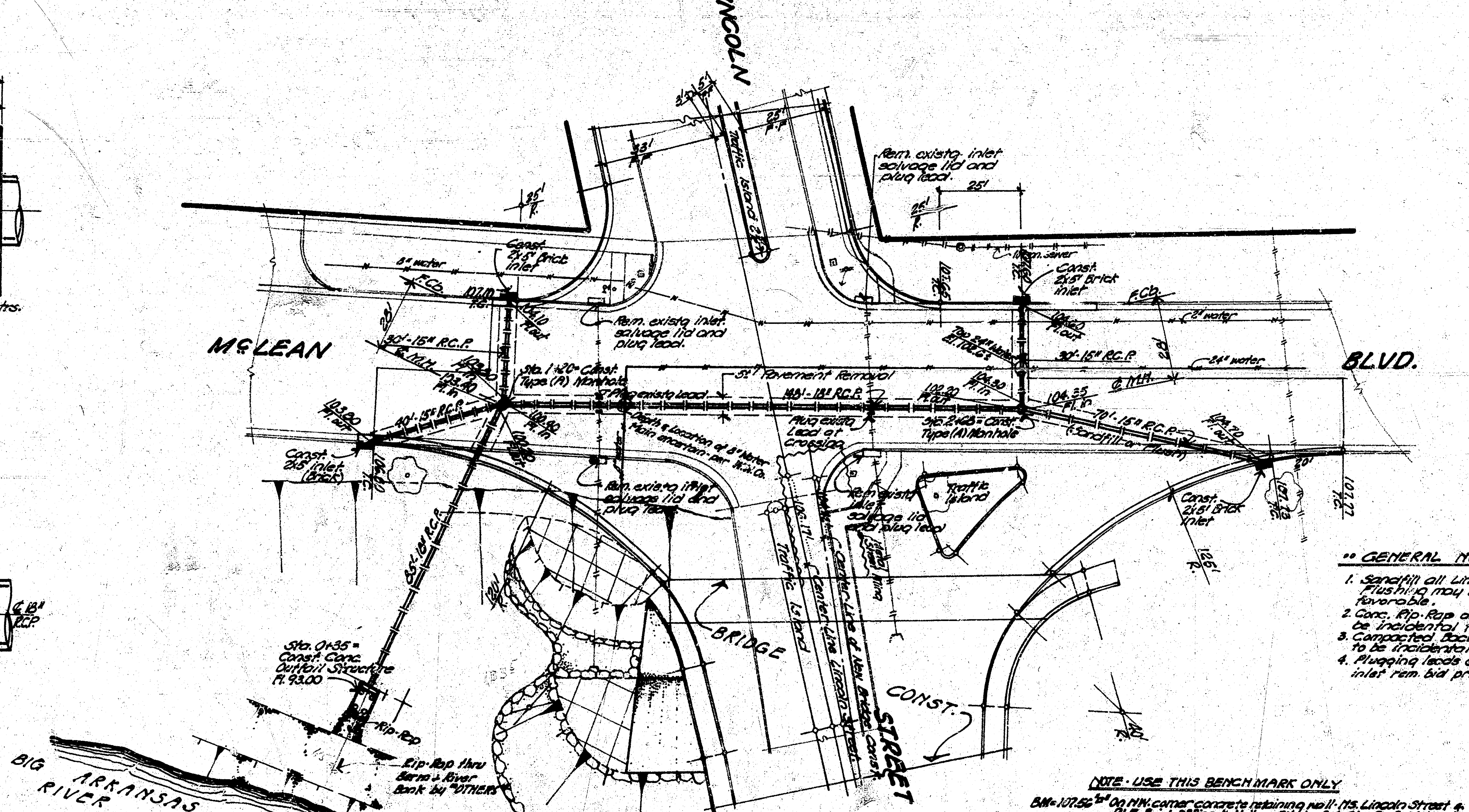
"FRONT ELEVATION"

"SIDE ELEVATION"

Survey
Plan
Exc.
Checked
Seal



"RIP-RAP" at Outfall Structure
(Broken Concrete)



Scale: 1" = 20'

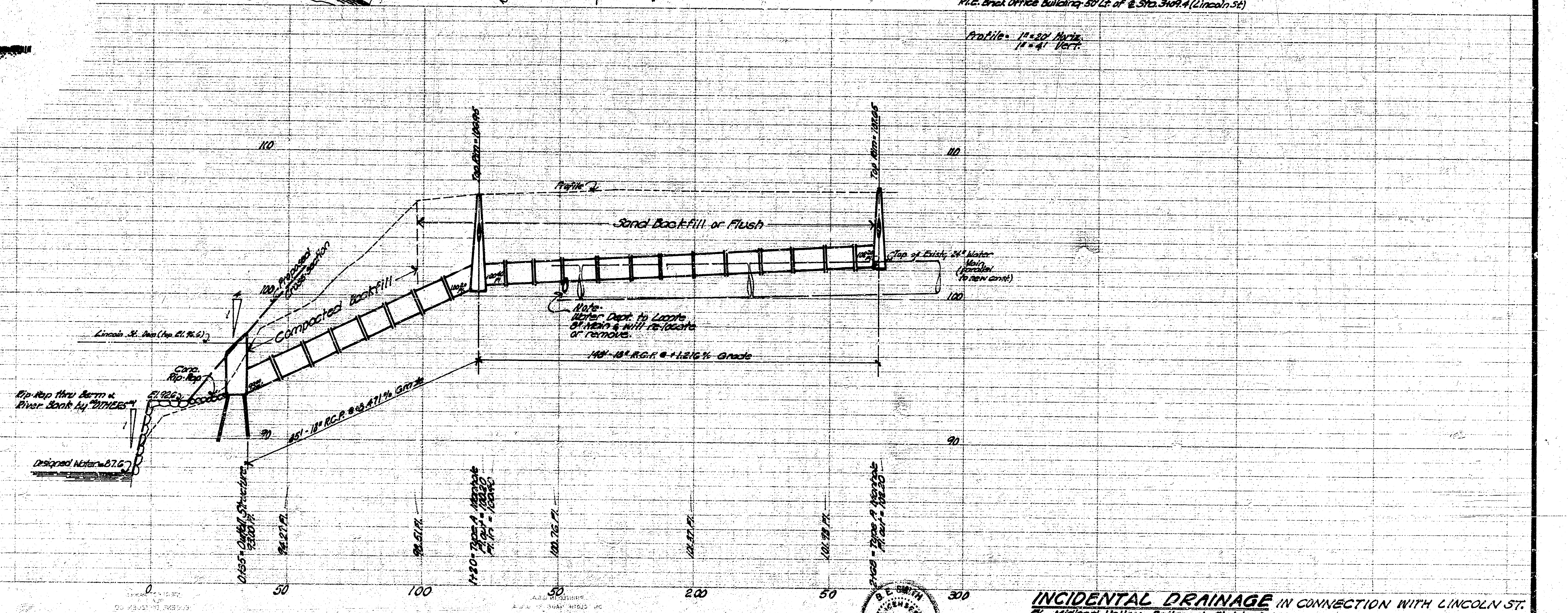
N

NOTE - USE THIS BENCH MARK ONLY
BM = 107.56 on N.W. corner concrete retaining wall - N.S. Lincoln Street & E.S. R.I.E. Brick Office building - 50' Lt. of ℄ Sta. 3409.4 (Lincoln St.)

•• GENERAL NOTES ••

1. Sandfill all Lines beneath proposed pavt. or Flushing may be used if conditions are favorable.
2. Conc. Rip-Rap at Outfall Structure to be incidental to project.
3. Compacted Backfill on Left Bank River to be incidental to project.
4. Plugging leads & inlets to be a part of inlet rem. bid price.

Profile: 1" = 20' Horiz.
1" = 4' Vert.


110
100
90
Top Rim = 109.95
Top Rim = 110.06
Profile ℄
Sand Backfill or Flush
Top of Existg. 24" Water Main (parallel to new const.)
Compacted Backfill
100' Proposed Cross Section
Lincoln St. Dam (Top El. 96.5)
Conc. Rip-Rap
Rip-Rap thru Berm & River Bank by "OTHERS"
El. 92.6
Designed Water = 87.6
Note: Water Dept. to Locate 8" Main & will re-locate or remove.
148'-18" R.C.P. @ +1.216% Grade
85'-18" R.C.P. @ 8.471% Grade
0+35 = Outfall Structure 93.00 Fl.
94.27 Fl.
98.51 Fl.
1+20 = Type A Manhole Fl. out = 100.20 Fl. in = 100.40
100.76 Fl.
101.37 Fl.
101.98 Fl.
2+68 = Type A Manhole Fl. out = 102.20
0
50
100
50
200
50
300

B.E. SMITH
436

INCIDENTAL DRAINAGE IN CONNECTION WITH LINCOLN ST.
E.L. Midland Valley Railroad Right-of-Way to
Lt. Bank Arkansas River
CITY OF WICHITA, KANSAS
B.E. Smith City Engineer
Date - NOV. 1969 Proj. No. C18-46