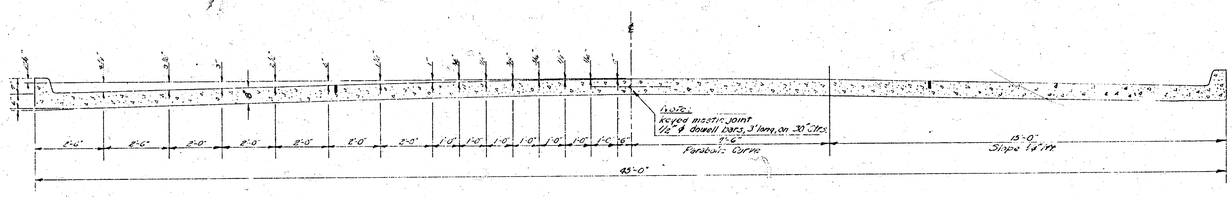
Survey Scale: BR 8/1/78
Date: August, DEC.
Loc. J.E.P.
Checked

HARRY ST

E.L. McLEAN BLVD TO E.L. MAIN

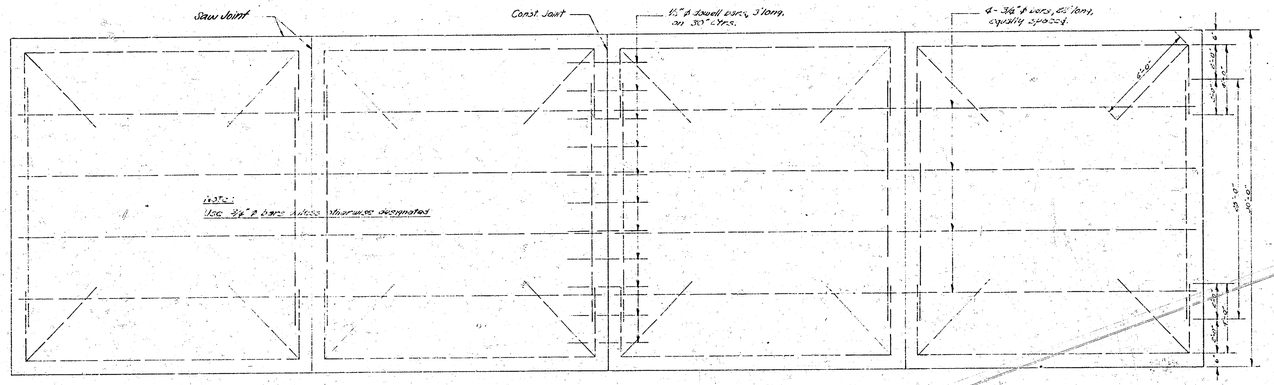
PROJ. NO. C13-265



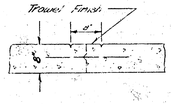
TYPICAL SECTION
NO SCALE



TRANSVERSE & LONGITUDINAL JOINT DETAIL
NO SCALE



STEEL PATTERN
NO SCALE



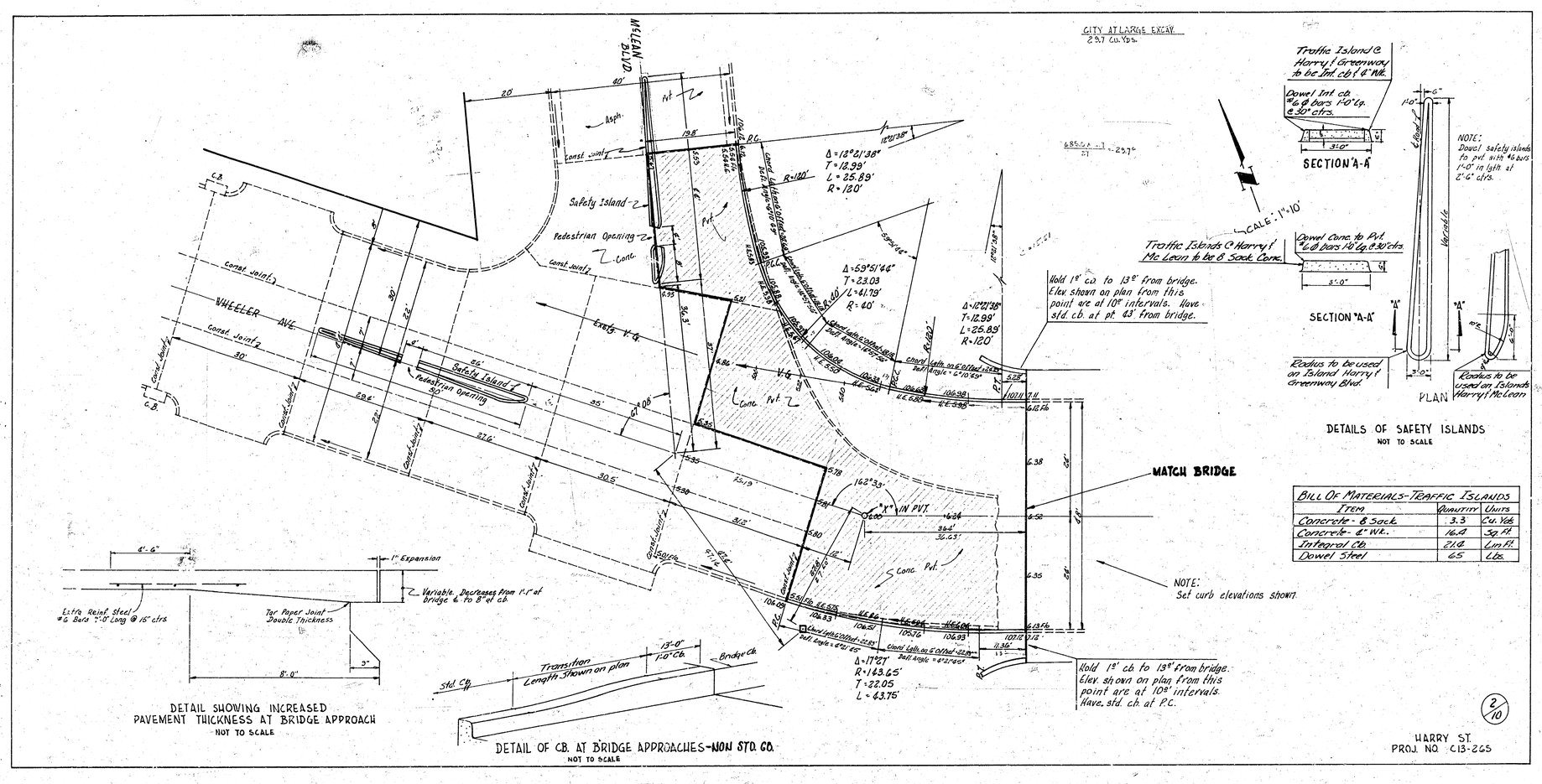
C.L. MARKER DETAIL
NO SCALE

NOTE -

WHERE CURBS IN THE SAME SECTION ARE AT DIFFERENT ELEVATIONS USE ELEVATION SHOWN ON PLAN FOR CONSTRUCTION JOINT.

R. E. SMITH
LICENSED
436
KANSAS
PROFESSIONAL ENGINEER

1/10



BILL OF MATERIALS-TRAFFIC ISLANDS		
ITEM	QUANTITY	UNITS
Concrete - 8 Sack.	3.3	Cu. Yds.
Concrete - 6" Wk.	16.4	Sq. Ft.
Integral Cb.	21.4	Lin. Ft.
Dowel Steel	65	Lbs.

2/10

HARRY ST.
PROJ. NO. C13-265

B.M 104.11 STANDARD S.E. GOLD & HARRY
B.M. 106.22 TOP CONC. MON S.E. GREENWAY BLVD & HARRY
B.M. 105.10 "K" IN KENSLER N.W. COR. INT. OF S.E. COR. PALISADE & HARRY
B.M. 105.14 "O" IN QUIRING C WK. E S.E. COR. WACO & HARRY
B.M. 105.25 "K" IN KEELER W.S. INT. OF S.E. WICHITA & HARRY
B.M. 105.00 "K" IN KENSLER BK. OF WK. E S.E. WATER & HARRY
B.M. 104.55 "R" IN ROBAY C WK. N. N.E. MAIN & HARRY
STATIONING & BASE LINE ON E HARRY CHAINING EAST.

CITY AT LARGE
EXCAV. 48.7.0 Cu. Yds.
FILL 163.9 Cu. Yds.

NOTE: All Manholes on exist. S.W.S. to be plugged & S.W.S. plugged

Curve Data (Back of Cb)
Δ 21° 16' 39"
R 209.63'
T 39.45'
L 76.07'

Hold 18' Cb. to 13' from Bridge. Beg. lowering cb. and have std. cb. @ P.T. of 40' R. Elev. shown

Cb. Bridge-filled with Conc.

Conc. Mono

End New Bridge

Cb. Bridge filled with Conc.

Hold 18' cb. from bridge to Beg. of Rad. 1.5% Grade. Beg. lowering cb. and have std cb @ end of return on Greenway Blvd.

Safety Island See detail sheet #2

E. GREENWAY BLVD

-1.50%
-2.25%
WK. 0.2'
P.T. 66' R.C. Elev. 105.00
-0.190 %
WK. 0.2'
60'
ST.
+0.133 %
Notch Exist. WK.; Set New WK. 0.2'
BRICK BLDG
CONC. WK.
Exist. 16" S.W.S.
Exist. 6" San.
Asphalt
New 54" S.W.S. - See Incidental Drain. 7
HARRY
Asphalt
-0.125 %
GOLD
60'
+0.10%
PALISADE ST.
BLDG

CITY AT LARGE
TOTAL EXCAV. 1349.1
+10% 134.9
1374.3 Cu Yds.
TOTAL FILL 5511
40% 222
5733 Cu Yds = 150.6 Tons

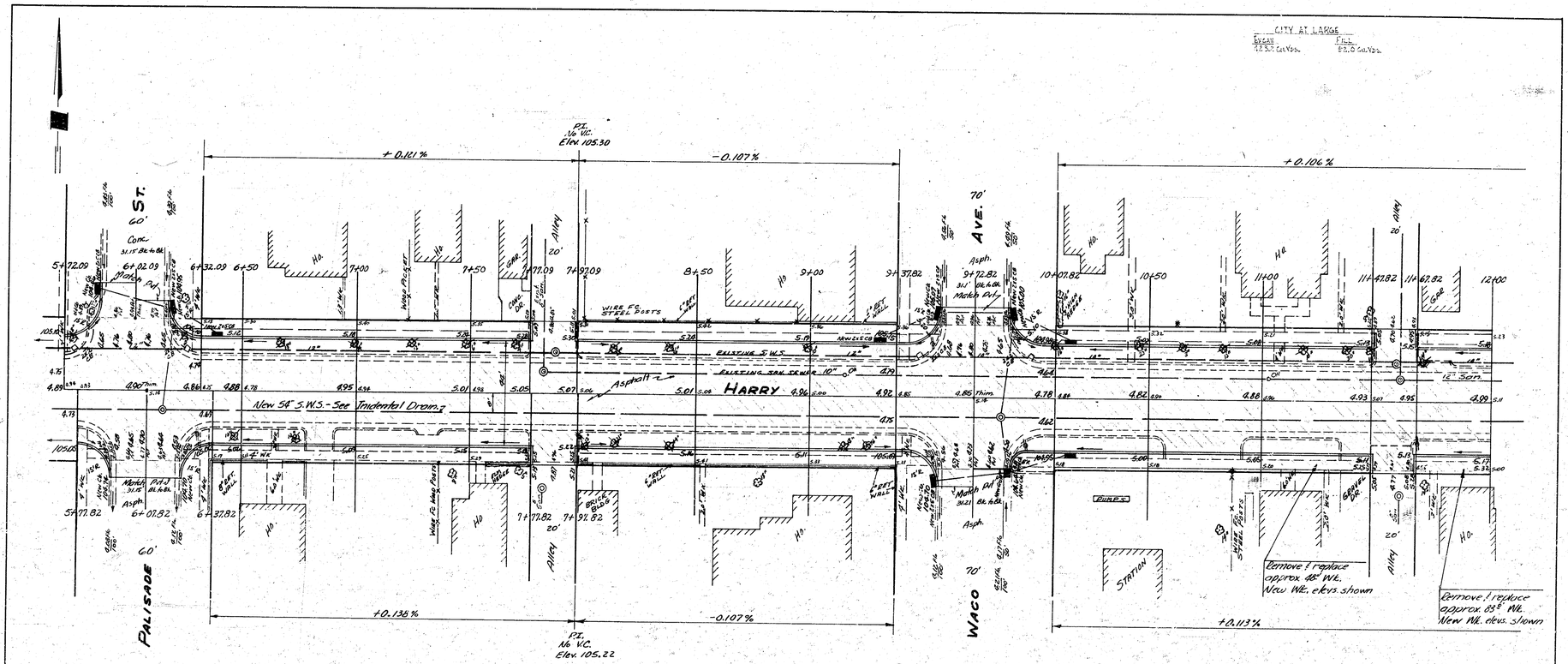
3/10

HARRY
E.L. Mc LEAN BLVD TO E.L. MAIN
44' CONC. 8" & CB.
CITY OF WICHITA KAN.
B.E. SMITH CITY ENGINEER
OCT. 1953 PROJ. NO C13-265

Survey Book O
Plan Sec Man. Dec.
Sheet 2
Checked

CITY AT LARGE

EXCAV.	FILL
12.5 Cu.Yds.	82.0 Cu.Yds.



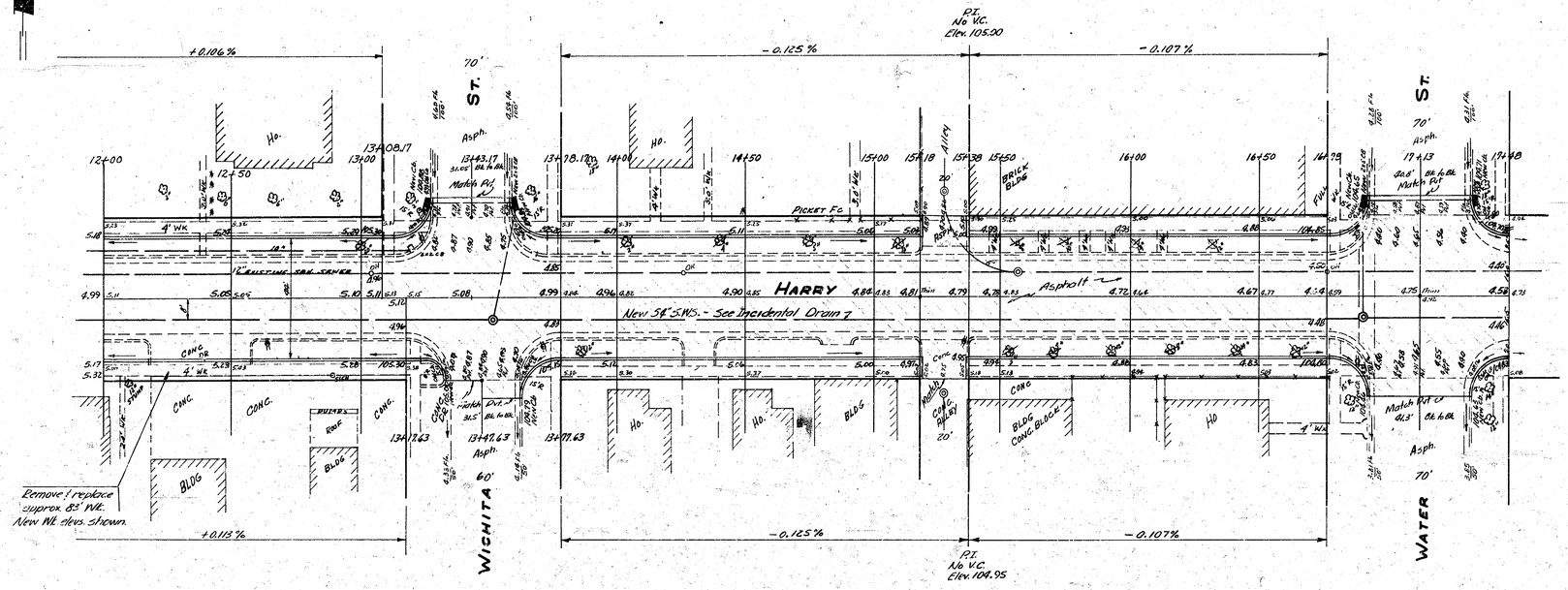
HARRY

E.L. Mc LEAN BLVD TO E.L. MAIN

4/10

CITY AT LARGE

EXCAV.	FILL
3007 CU. YDS.	1213 CU. YDS.



HARRY

E.L. McLEAN BLVD TO E.L. MAIN

5/10

CITY AT LARGE
EXCAV 35.8 CU.YDS. FILL 49.0 CU.YDS.

-0.117%

Remove & replace Wt. Sta. 17+48 to Wt. Alley. New Wt. elevs. shown

P.P. Ties in place under exist Pvt.

Warp Fls. Line to Cl. of E.C. Main, both sides of Harry

6" Ret. Wall

CONC. BLOCK BLDG.

PUMPS

Exist. 12" San.

Exist. 20" San.

HARRY

New 54" S.W.S. - See Incidental Drwg. 7

ASPHALT

FULL Wt.

CONC DR.

Match Pvt.

New Conc.

New Reinf. Conc. Syphon See Incidental Drainage

WATER ST.

MAIN ST.

90' Asph.

Ho.

Ho.

ALLEY

BRICK BLDG.

CHURCH

WIRE & WOOD POSTS

-0.127%

HARRY
E.L. Mc LEAN TO E.L. MAIN

6/10

NOTE : The bid price of sand fill shall include the cost of flushing where sand fill is used. If the excavated material is used for backfill, Lin. ft. of flushing will be paid.

NOTE : Cut & plug existing S.W.S. where lines cross.

NOTE TO FIELD ENGR: Measure and record all removal done by the sewer contractor.

Scale: 1" = 40'

NOTE : All catch basins centered 34.5' from ℄ of Harry St. will be skewed to match 15' radius on proposed new pavement of Harry St.

RIVER

BIG ARKANSAS

GREENWAY BLVD.

GOLD

PALISADE

WACO

HARRY ST.

01+22.4 Construct Reinf. Conc. Outfall See Sh. # 3 for details.

Sta. 3+55 Construct Reinf. Conc. Manhole See Sh. # 3 for details.

Sta. 7+15 Construct Reinf. Conc. Manhole See Sh. # 3 for details.

Sta. 10+85 Construct Reinf. Conc. Manhole See Sh. # 3 for details.

P.T. 1+20.4

P.C. 1+20.4

L = 60'
Δ = 22°
R = 156.26'
T = 30.37'

20'-15" R.C.P. T.C. 104.70 F.L. Out 101.70

44'-15" R.C.P. F.L. In 100.60

8" S.S.

12" S.S.

10" S.S.

20'-15" R.C.P. T.C. 105.10 F.L. Out 102.20

44'-15" R.C.P. F.L. In 101.00

24'-15" R.C.P. T.C. 105.15 F.L. Out 102.10

24'-15" R.C.P. T.C. 104.98 F.L. Out 102.30

F.L. Out 101.40

F.L. In 101.00

F.L. Out 101.10 T.C. 104.50 24'-15" R.C.P.

T.C. 104.70 F.L. Out 100.70

F.L. In 100.45

F.L. In 100.30

F.L. In 100.40

Inv. of 12" manhole 1.6 and 8" sewer 1.8 inside

B.M. 106.22 Top Conc. Mon. S.E. Greenway Blvd. & Harry St.

B.M. 104.11 Standard S.E. Gold & Harry

B.M. 105.10 'K' in Kempler N.W. Cor. Int. ℄ S.E. Cor. Palisade & Harry

B.M. 105.14 "O" in Ouring C. Nt. E. S.E. Cor. Waco & Harry

01+22.4

3+55

7+15

10+85

110

100

90

(Water elev. = 90.99) 10/8/55

(Water elev. = 89.34) 2/13/55

+0.130 % 54" R.C.P.

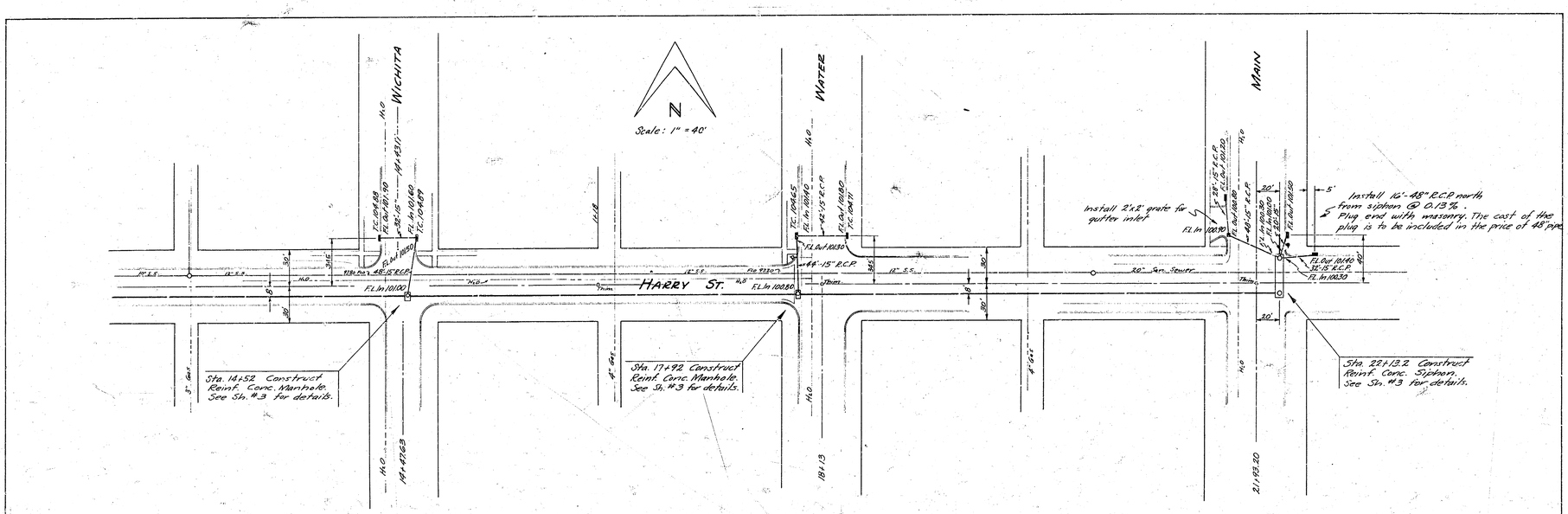
+0.120 % 54" R.C.P.

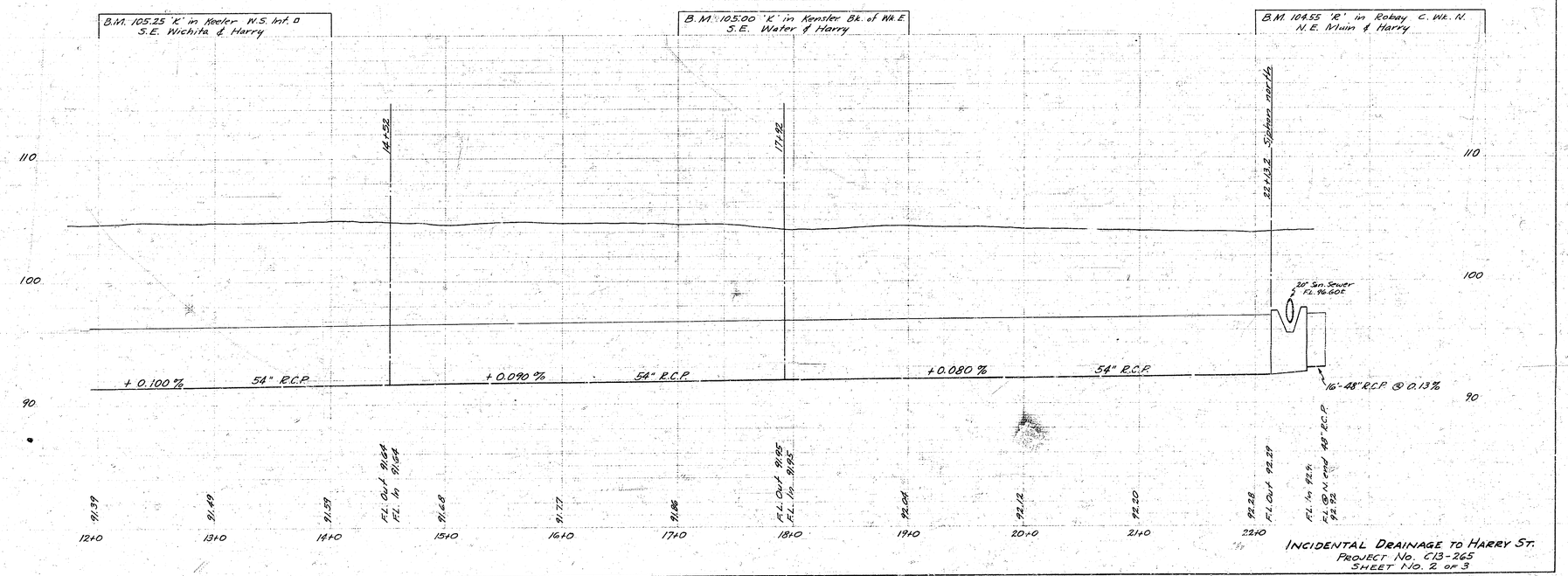
+0.110 % 54" R.C.P.

+0.100 % 54" R.C.P.

0+0		1+0		2+0		3+0			4+0		5+0		6+0		7+0		8+0		9+0		10+0		11+0		12+0
	F.L. Out 90.00		90.10		90.29		90.36	F.L. Out 90.43 F.L. In 90.43		90.48		90.60		90.72	90.84 F.L. Out 90.86 F.L. In 90.86		90.95		91.06		91.17	F.L. Out 91.27 F.L. In 91.27		91.39

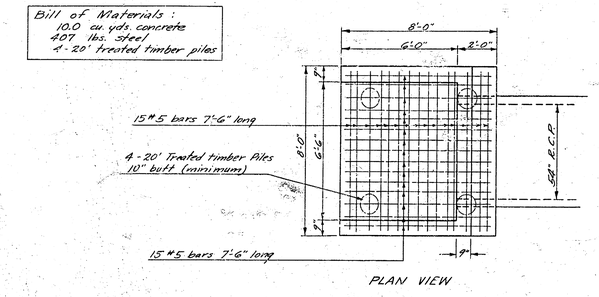
INCIDENTAL DRAINAGE TO HARRY ST.
PROJECT NO. C13-365
SHEET NO. 1 OF 3



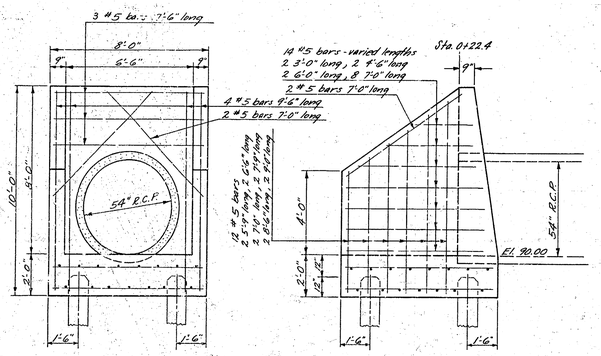


INCIDENTAL DRAINAGE TO HARRY ST.
PROJECT NO. C13-265
SHEET NO. 2 OF 3

Bill of Materials :
10.0 cu. yds. concrete
407 lbs. steel
4 - 20' treated timber piles



PLAN VIEW

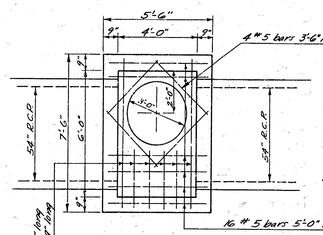


END ELEVATION

SIDE ELEVATION

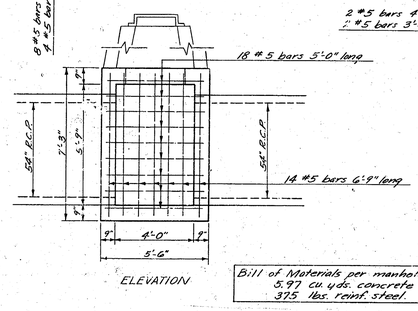
REINF. CONC. OUTFALL STRUCTURE - STA. 0+22.4
Scale : 3/8" = 1'-0"

REINF. CONC. MANHOLE
@ STATIONS 3+55, 7+15
10+85, 14+52, 17+92.
Scale : 3/8" = 1'-0"

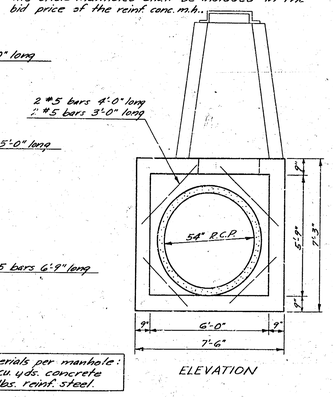


PLAN VIEW

NOTE:
Standard brick manholes are to be constructed over 3'-0" dia. hole in the top of the reinf. conc. manholes. All catch basins leads will enter the brick manholes at the elevations shown on the plan. The cost of the brick manholes shall be included in the bid price of the reinf. conc. m.h..



ELEVATION



ELEVATION

Bill of Materials per manhole:
5.97 cu. yds. concrete
375 lbs. reinf. steel.

Concrete for structures shall contain not less than 1.65 bbls. of cement per cu.yd. of concrete. In no event shall the total water content exceed 6.25 gals. per sack of cement. The mixture of fine and coarse aggregate shall be such as will produce a maximum density of a most workable mixture.

The floor of the manholes is to be shaped for flow and drainage. No deduction in concrete quantities shall be made for pipe openings. No addition in concrete quantities shall be made for sloping manhole floor. An internal vibrator shall be used for placing concrete.

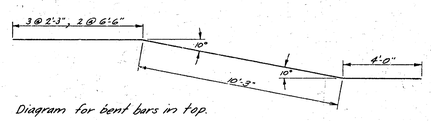
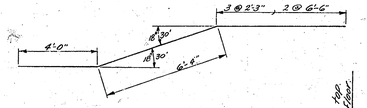
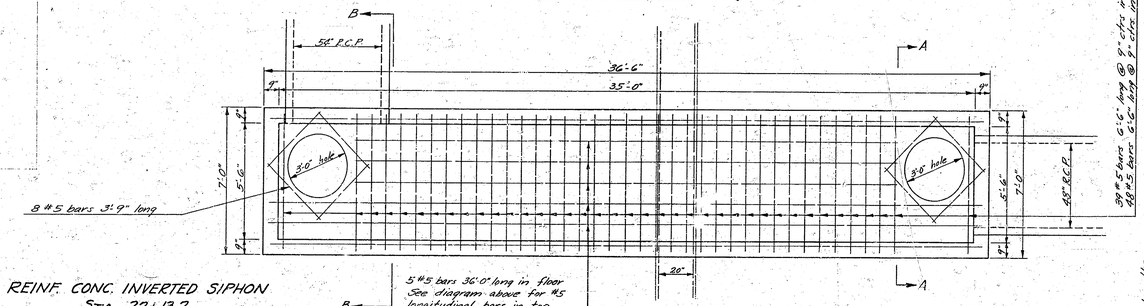


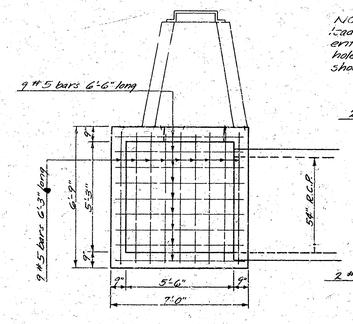
Diagram for bent bars in top.



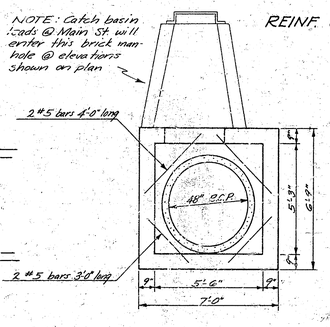


PLAN VIEW

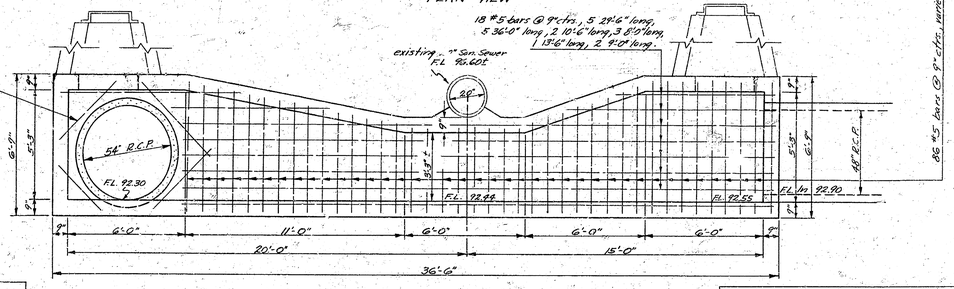
REINF. CONC. INVERTED SIPHON
STA. 22+13.2
Scale : 3/8" = 1'-0"



SEC. B-B



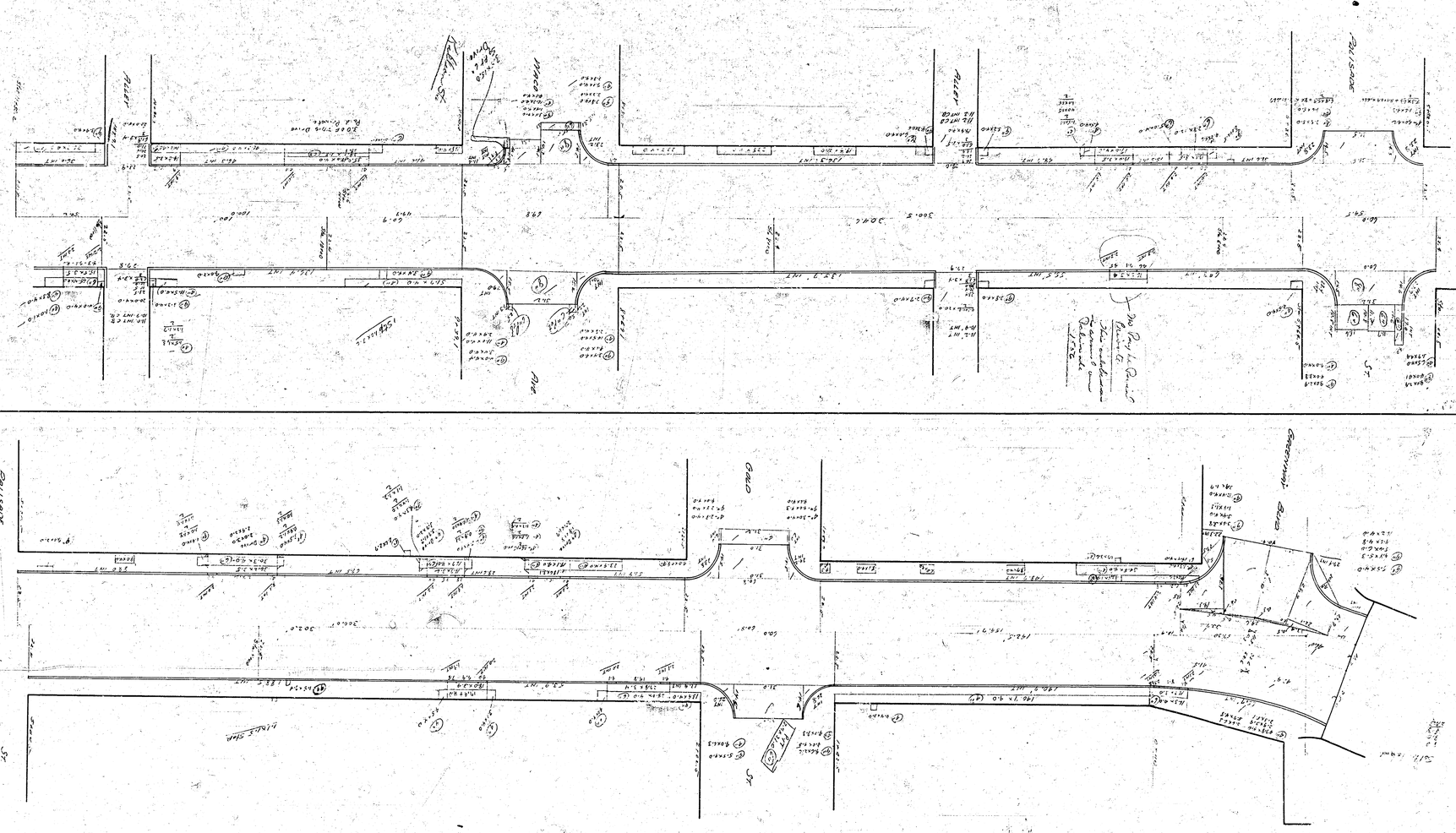
SEC. A-A

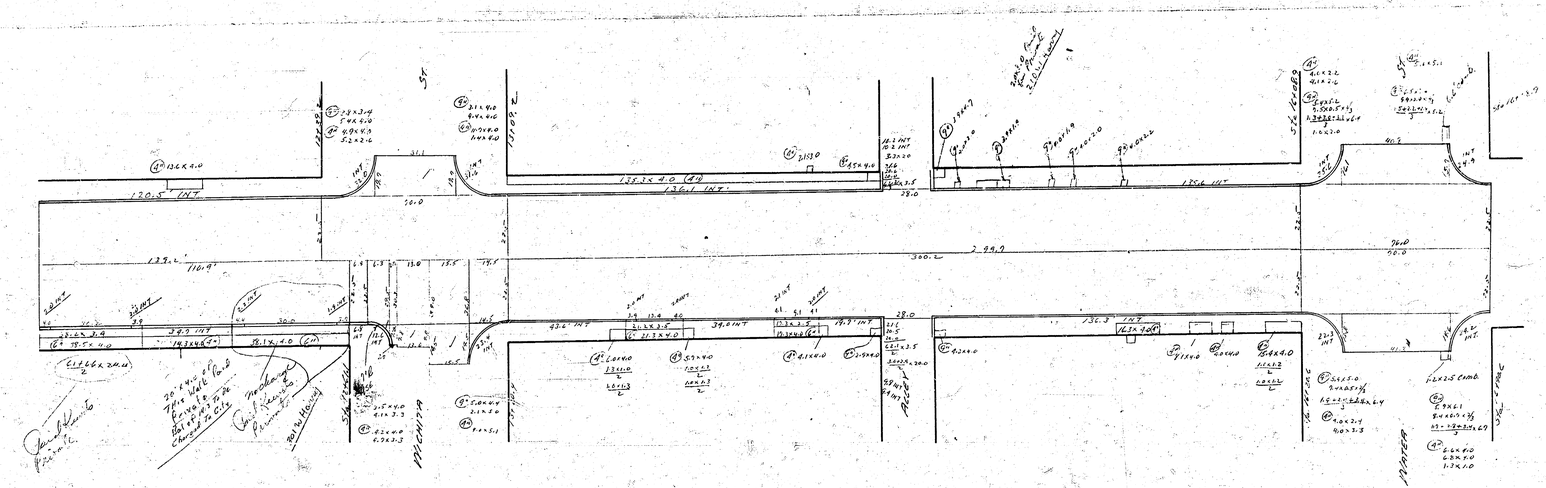


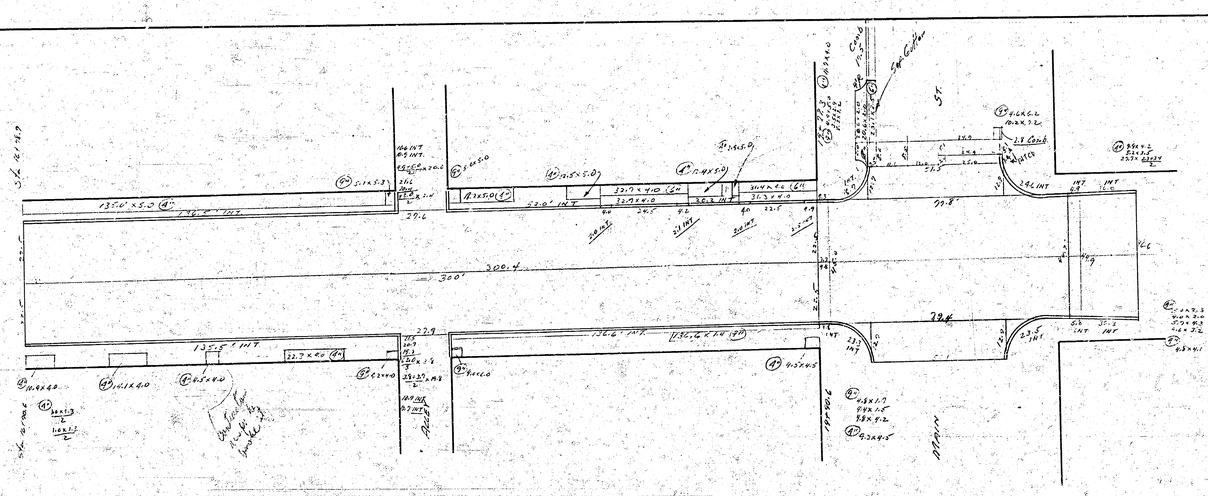
ELEVATION

Bill of Materials :
25.2 cu. yds. concrete
2310 lbs. reinf. steel

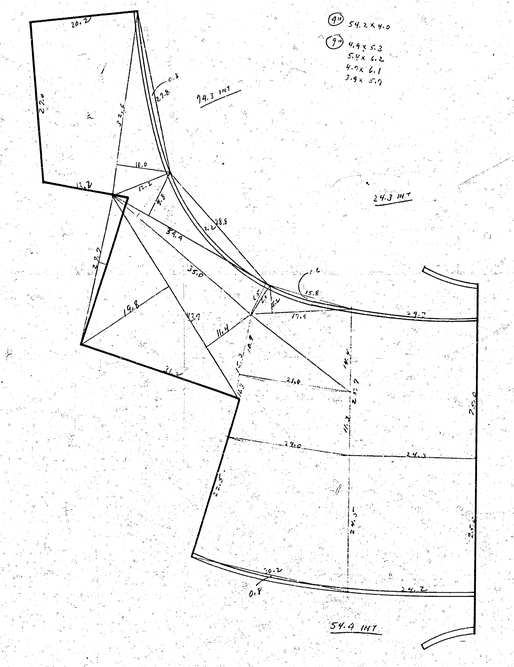
INCIDENTAL DRAINAGE - HARRY ST.
PROJECT NO. C13-265
SHEET NO. 3 OF 3




MAIN ST
120.5' INT.
300'
MAIN ST


MAIN ST
300'
MAIN ST

New Pvt.



(4) 54.2 x 4.0

(7) 11.4 x 5.3
5.4 x 6.2
4.4 x 6.1
3.4 x 5.7

(11) 5.9 x 4.9
2.9 x 2.1
5.1 x 6.6