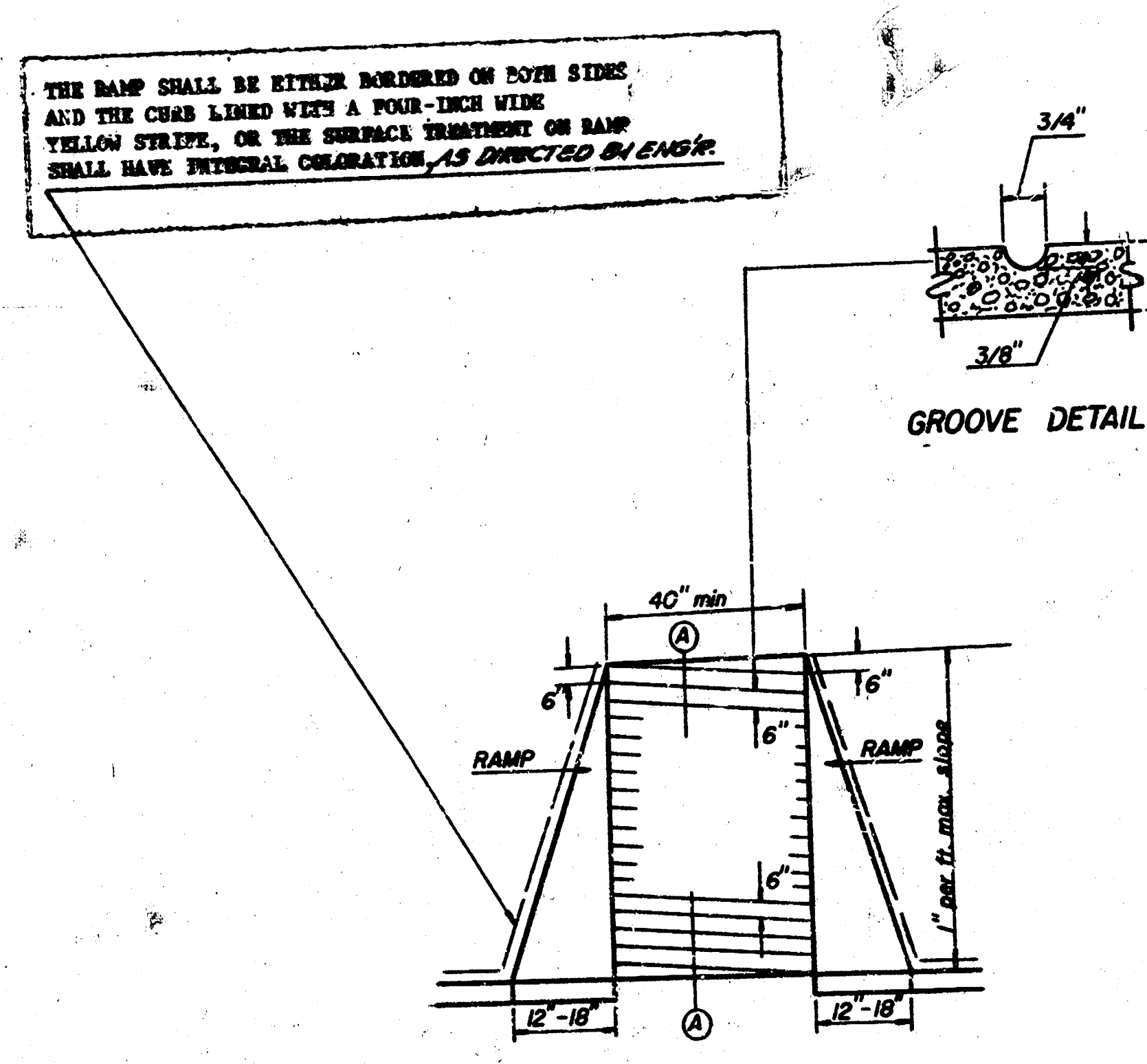
# CURB & GUTTER REPAIR

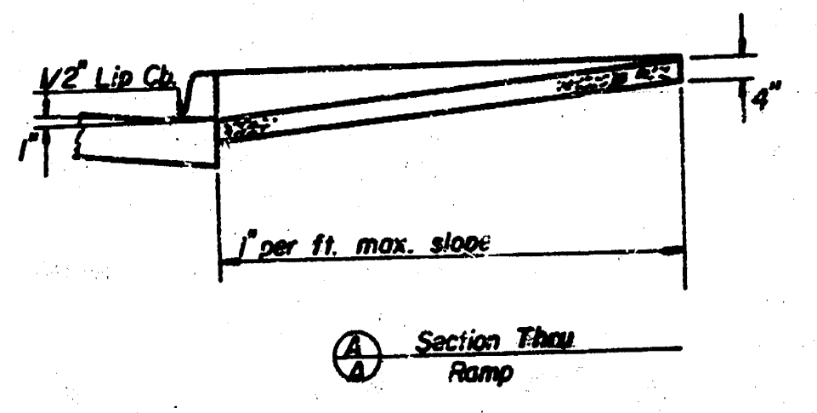
TOPEKA AVENUE
N.L. HARRY-S.L. LINCOLN
ST. FRANCIS AVENUE
N.L. CENTRAL-N.L. 14th ST.
CITY OF WICHITA, KANSAS
R.W. LINN-CITY ENGINEER
PROJ. NO. WNKB536430
820-76-245-50360-430-000-000

## WHEELCHAIR RAMP DETAIL

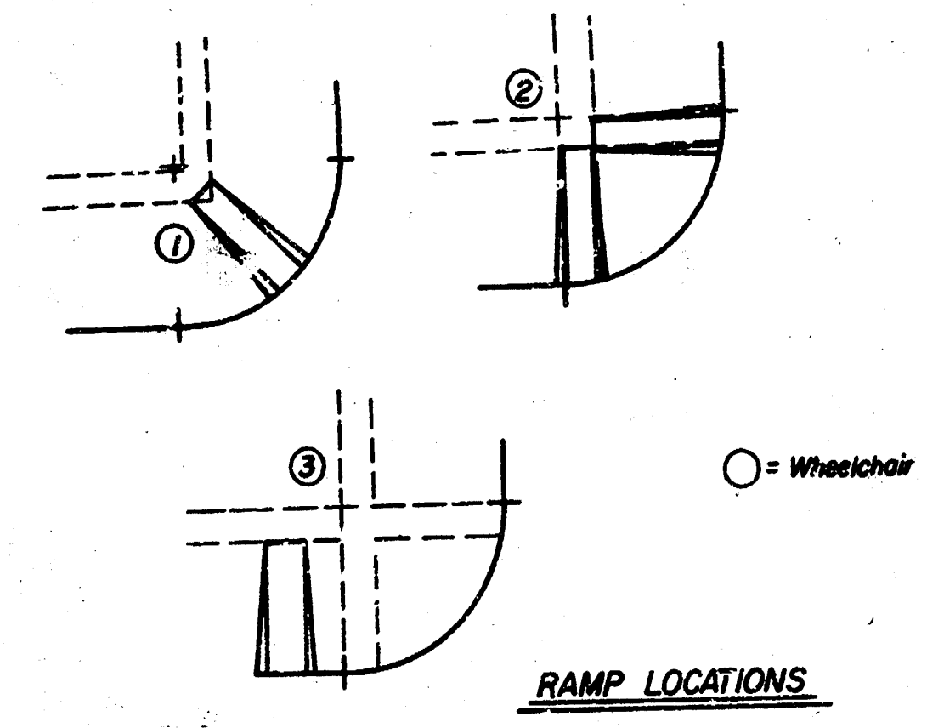

THE RAMP SHALL BE EITHER BORDERED ON BOTH SIDES AND THE CURB LINED WITH A FOUR-INCH WIDE YELLOW STRIPE, OR THE SURFACE TREATMENT ON RAMP SHALL HAVE INTEGRAL COLORATION, AS DIRECTED BY ENG'R.

GROOVE DETAIL

3/4"
4"
3/8"
40" min
Ⓐ
6"
6"
6"
6"
RAMP
RAMP
1" per ft. max. slope
12"-18"
12"-18"
Ⓐ


1/2" Lip Cb.
1"
4"
1" per ft. max. slope

Ⓐ/Ⓐ Section Thru Ramp



○ = Wheelchair Ramp Location Preference

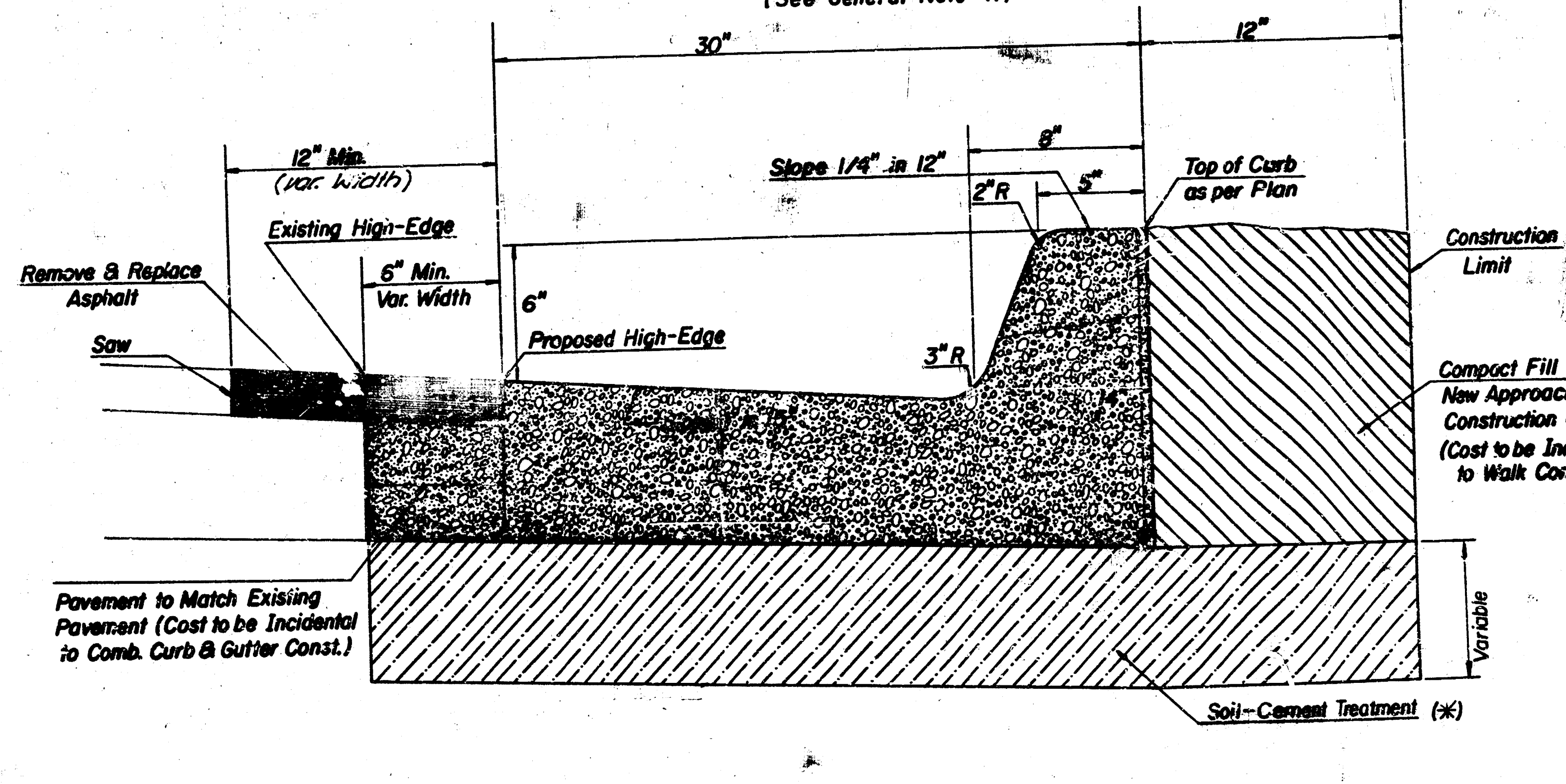
RAMP LOCATIONS

### GENERAL NOTES

1. COMBINED CURB AND GUTTER AND SEPARATE CURB AND GUTTER REMOVED ON THIS PROJECT SHALL BE BID AS COMBINED CURB AND GUTTER REMOVED.
2. THE ASPHALT WEARING SURFACE REMOVED SHALL BE BID AS SQUARE YARDS OF ASPHALT MAT REMOVED.
3. EXISTING CURB ALIGNMENT TO BE MAINTAINED.
4. FIELD ENGINEER SHALL DETERMINE ALL REMOVAL LIMITS. REMOVAL IS TO BE TO THE NEAREST JOINT WHERE POSSIBLE.
5. (*) [redacted]
6. ALL DRAIN TUBES IN USE SHALL BE REPLACED. THE REMOVAL OF DRAIN PIPES SHALL BE CONSIDERED A PART OF COMBINED CURB AND GUTTER REMOVAL.
7. ALL DRIVE APPROACHES THAT HAVE A WIDTH LESS THAN (10') AT THE PROPERTY LINE SHALL BE CONSTRUCTED TO MEET MINIMUM CITY SPECIFICATION WIDTH. IN NO CASE SHALL A DRIVE APPROACH EXCEED THE MAXIMUM WIDTH OF (30'). CLOSE ALL DRIVES NOT IN USE.
8. REMOVE ONLY THAT PORTION OF EXISTING APPROACH WALK BETWEEN BACK OF CURB AND FACE OF WALK NECESSARY TO INSTALL NEW COMBINED CURB AND GUTTER. NEW CONSTRUCTION OF APPROACH WALKS TO BE SAME WIDTH AS THAT REMOVED AT FACE OF WALK. AT NO LOCATION SHALL APPROACH WALK BE BELOW NEW CURB AND GUTTER CONSTRUCTION.
9. CONTRACTOR SHALL BE RESPONSIBLE IN CONTACTING ALL UTILITY COMPANIES FOR RELOCATION OF EXISTING SERVICES.
10. REMOVAL LIMITS OF EXISTING DRIVES AND APPROACH WALKS BETWEEN FACE OF WALK AND BACK OF CURB TO BE DETERMINED IN THE FIELD.
11. PRICE OF MANIPULATION TO INCLUDE ANY COST OF HAULING.
12. ALL USEABLE EXCAVATED MATERIAL TO REMAIN ON PROJECT. (FOR PARKING GRADING)
13. DO NOT REPLACE ANY APPROACH WALK THAT IS NOT SERVING ITS ORIGINAL PURPOSE.
14. MINIMUM OF TWO LANES OF TRAFFIC IS TO BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
15. ALL DRIVES REPLACED ARE TO BE RADIUS DRIVES [redacted]
16. NO DR. APPRS. TO BE CONSTRUCTED TO VACANT LOTS & ALL DR'S TO MATCH EXIST'G CONDITIONS BEHIND P/L AS DIRECTED BY ENG'R.
17. TREE REMOVAL IS MARKED THUS ⊗, EXCEPT THAT ANY TREE WHICH IN THE OPINION OF THE FIELD ENGINEER CAN BE SAVED, SHALL BE SAVED.
18. ALL COMBINED CURB AND GUTTER THAT IS IN GOOD CONDITION AND PROPER ELEVATION IS TO REMAIN IN PLACE.

### NOTE

(*) Soft Spots in Existing Sub-grade to be Removed & Replaced with Soil-Cement Sub-grade.
Soil-Cement to be Placed as Soon as Possible after Comb. Curb & Gutter has been Removed. Material to be pre-mixed at a designated loction and hauled to project. (See General Note # 11)


30"
12"
12" Min. (var. width)
Slope 1/4" in 12"
8"
2"R
5"
Top of Curb as per Plan
Existing High-Edge
Construction Limit
Remove & Replace Asphalt
6" Min. Var. Width
6"
Saw
Proposed High-Edge
3"R
Compact Fill Under New Approach Walk Construction Only (Cost to be Incidental to Walk Const.)
Pavement to Match Existing Pavement (Cost to be Incidental to Comb. Curb & Gutter Const.)
Variable
Soil-Cement Treatment (*)

(*) Lime Treatment can be used as an alternate.

TYPICAL SECTION
EXISTING 36" CURB & GUTTER

R. W. LINN 3484

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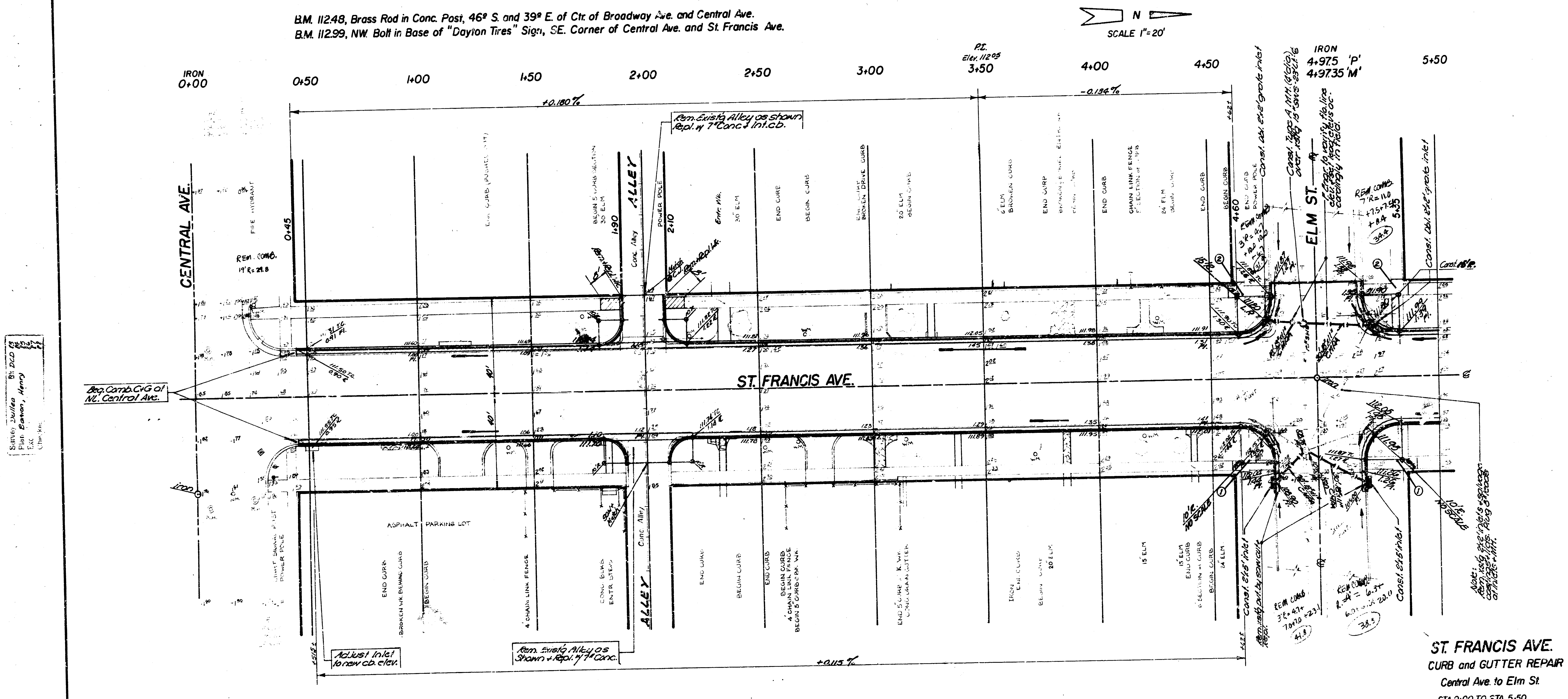
B.M. 112.48, Brass Rod in Conc. Post, 46' S. and 39' E. of Ctr. of Broadway Ave. and Central Ave.
B.M. 112.99, NW. Bolt in Base of "Dayton Tires" Sign, SE. Corner of Central Ave. and St. Francis Ave.


N
SCALE 1"=20'
IRON 0+00
0+50
1+00
1+50
2+00
2+50
3+00
P.I. Elev. 112.05 3+50
4+00
4+50
IRON 4+97.5 'P' 4+97.35 'M'
5+50
+0.180%
-0.134%
+0.115%
CENTRAL AVE.
ALLEY
ELM ST.
ST. FRANCIS AVE.
Beg. Comb. C+G at NL Central Ave.
Rem. Exist'g Alley as shown Repl. w/ 7" Conc. & Int. cb.
Adjust Inlet to new cb. elev.
Rem. Exist'g Alley as Shown + Repl. w/ 7" Conc.
ASPHALT PARKING LOT
FIRE HYDRANT
POWER POLE
CHAIN LINK FENCE
END CURB
BEGIN CURB
Const. 2'x8' grate inlet
Const. 2'x6' inlet
Rem. Comb.

SUB-GRADE

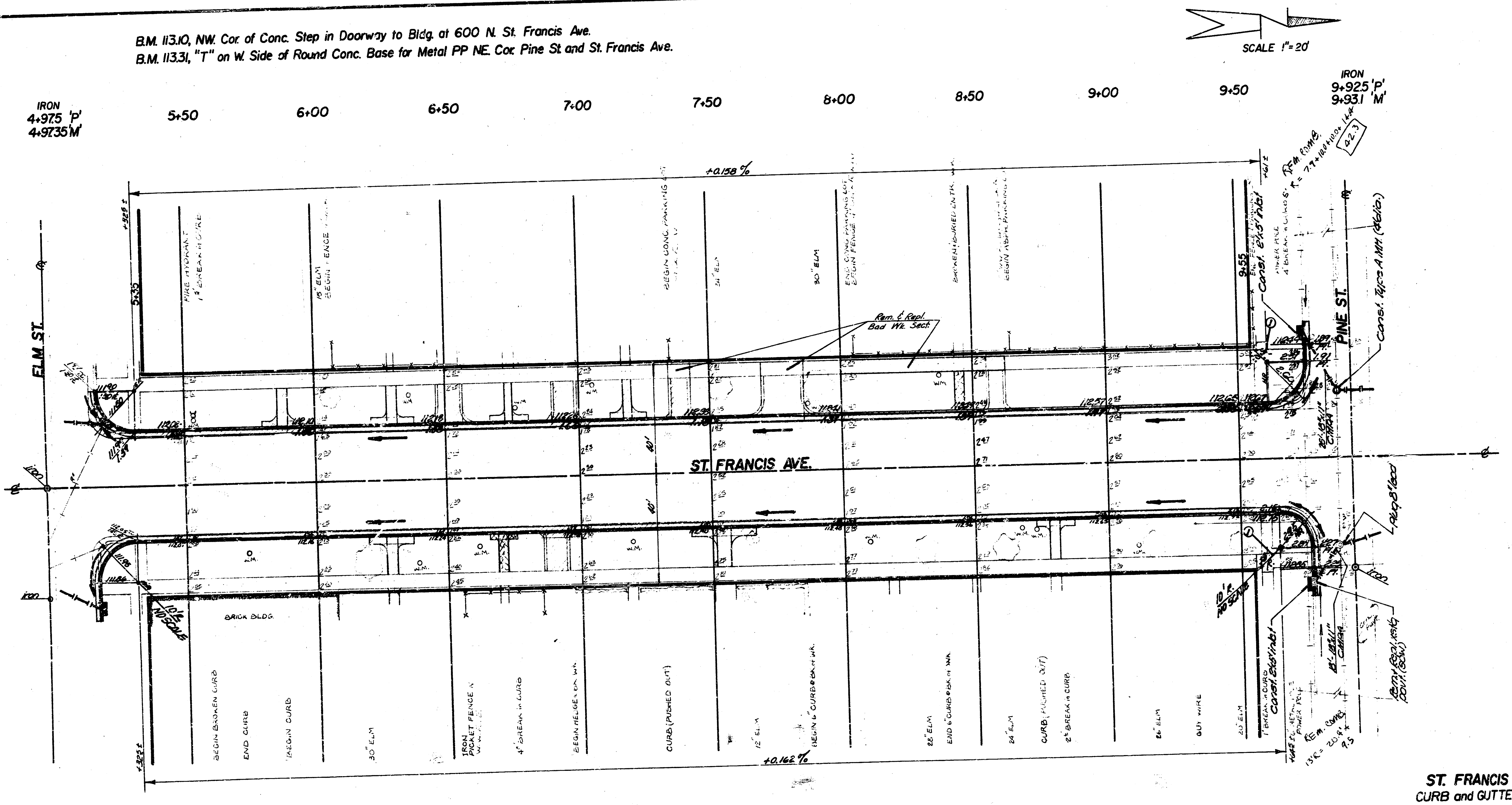
TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT [illegible] CONSIST OF LIME TREATMENT, CEMENT [illegible] MODIFICATION, [illegible] COMBINATION OF THESE.

**ST. FRANCIS AVE.**
CURB and GUTTER REPAIR
Central Ave. to Elm St.
STA 0+00 TO STA. 5+50
PROJ. NO. WNKB 536430

2/12

2/12

B.M. 113.10, NW. Cor. of Conc. Step in Doorway to Bldg. at 600 N. St. Francis Ave.
B.M. 113.31, "T" on W. Side of Round Conc. Base for Metal PP NE. Cor. Pine St. and St. Francis Ave.


SCALE 1" = 20'
IRON
4+975 'P'
4+97.35 'M'
5+50
6+00
6+50
7+00
7+50
8+00
8+50
9+00
9+50
IRON
9+92.5 'P'
9+93.1 'M'
+0.158 %
+0.162 %
ELM ST.
PINE ST.
ST. FRANCIS AVE.
9+55
Const. 8'x5' Inlet
Const. Type A MH (Radio)
END FENCE & PARKING
POWER POLE
4' BREAK in CURB
R = 7.9 + 10.0 + 10.0 + 14.4
42.3
Rem. & Repl.
Bad Wk. Sect.
FIRE HYDRANT
BEGIN FENCE
BEGIN CONC. PARKING
30" ELM
BRICK BLDS.
BEGIN BROKEN CURB
END CURB
BEGIN CURB
IRON PICKET FENCE
CURB (PUSHED OUT)
12" ELM
26" ELM
GUY WIRE
20" ELM
1' BREAK in CURB
Const. Existing Inlet
METAL POWER POLE
18'-18"x11" CMPA
25'-18"x11" CMPA
Plug 8" Drain
Rem. & Repl. Xstg. Pavt. (SCW)
Rem. Comb.
13' R = 20.4'
9.5
10' R.
NO SCALE
Iron

ST. FRANCIS AVE.
CURB and GUTTER REPAIR
Elm St. to Pine St.
STA. 5+00 to STA. 10+00
Proj. No. WNKB 536430

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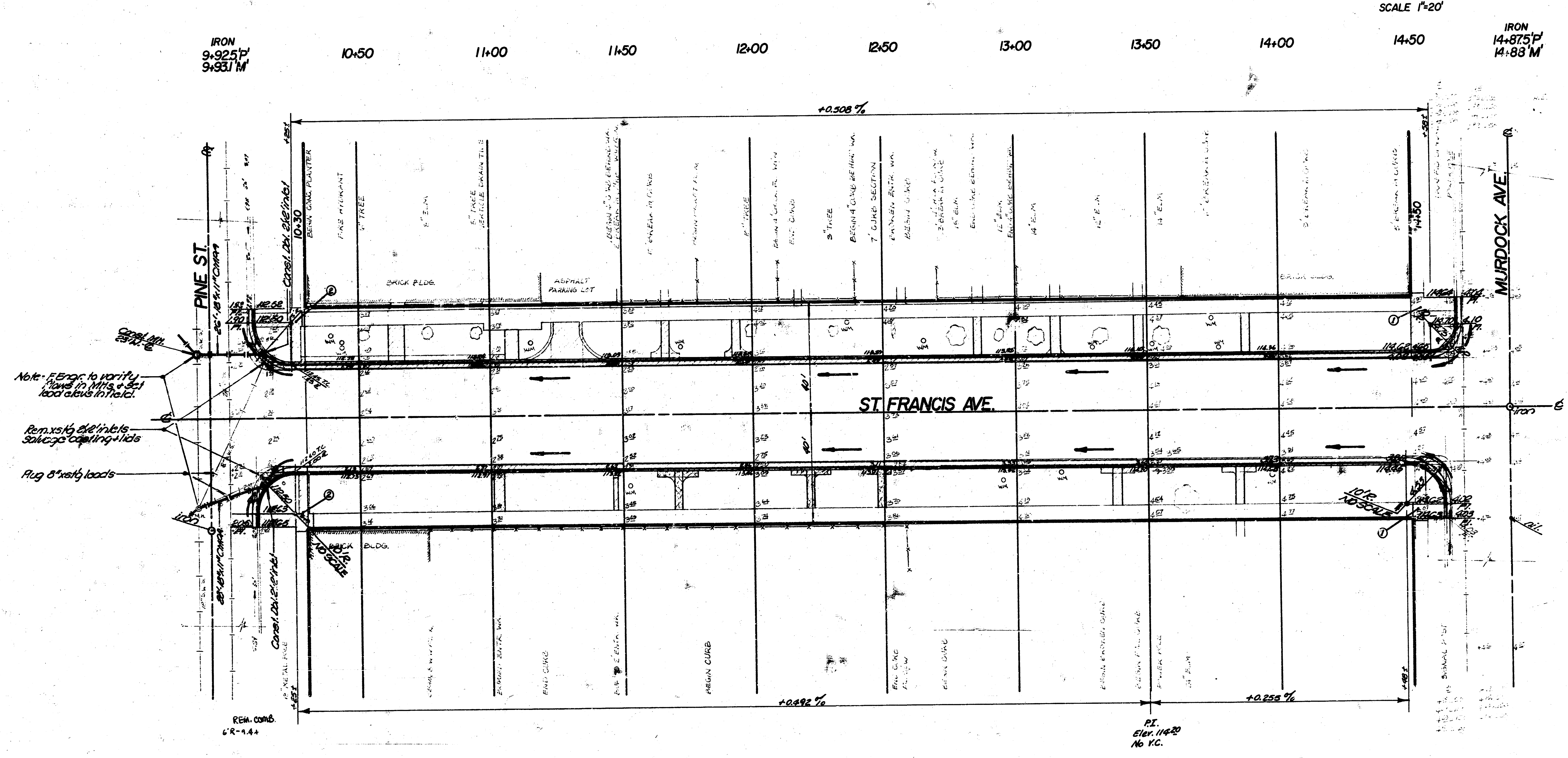
B.M. 115.57, NW. Cor. of Conc. Step (Ho. No. on Face of Step) to Porch of House at 736 N. ST. Francis Ave.


SCALE 1"=20'
IRON
9+92.5'P'
9+93.1'M'
10+50
11+00
11+50
12+00
12+50
13+00
13+50
14+00
14+50
IRON
14+87.5'P'
14+88'M'
+0.508 %
PINE ST.
MURDOCK AVE.
ST. FRANCIS AVE.
Const. MH. 23' W. ℄
Note - F. Engr. to verify Flows in MHs + Set lead elevs in field.
Rem. xstg. ex. inlets salvage casting + lids
Plug 8" xstg leads
BRICK BLDG.
ASPHALT PARKING LOT
BRICK BLDG.
No SCALE
iron
℄
+0.492 %
+0.255 %
P.I.
Elev. 114.20
No V.C.
SIGNAL POST
REM. CURB

ST. FRANCIS AVE.
CURB and GUTTER REPAIR
Pine St. to Murdock Ave.
STA. 9+92.5 to STA. 14+87.5
Proj. No. WNKB 536430

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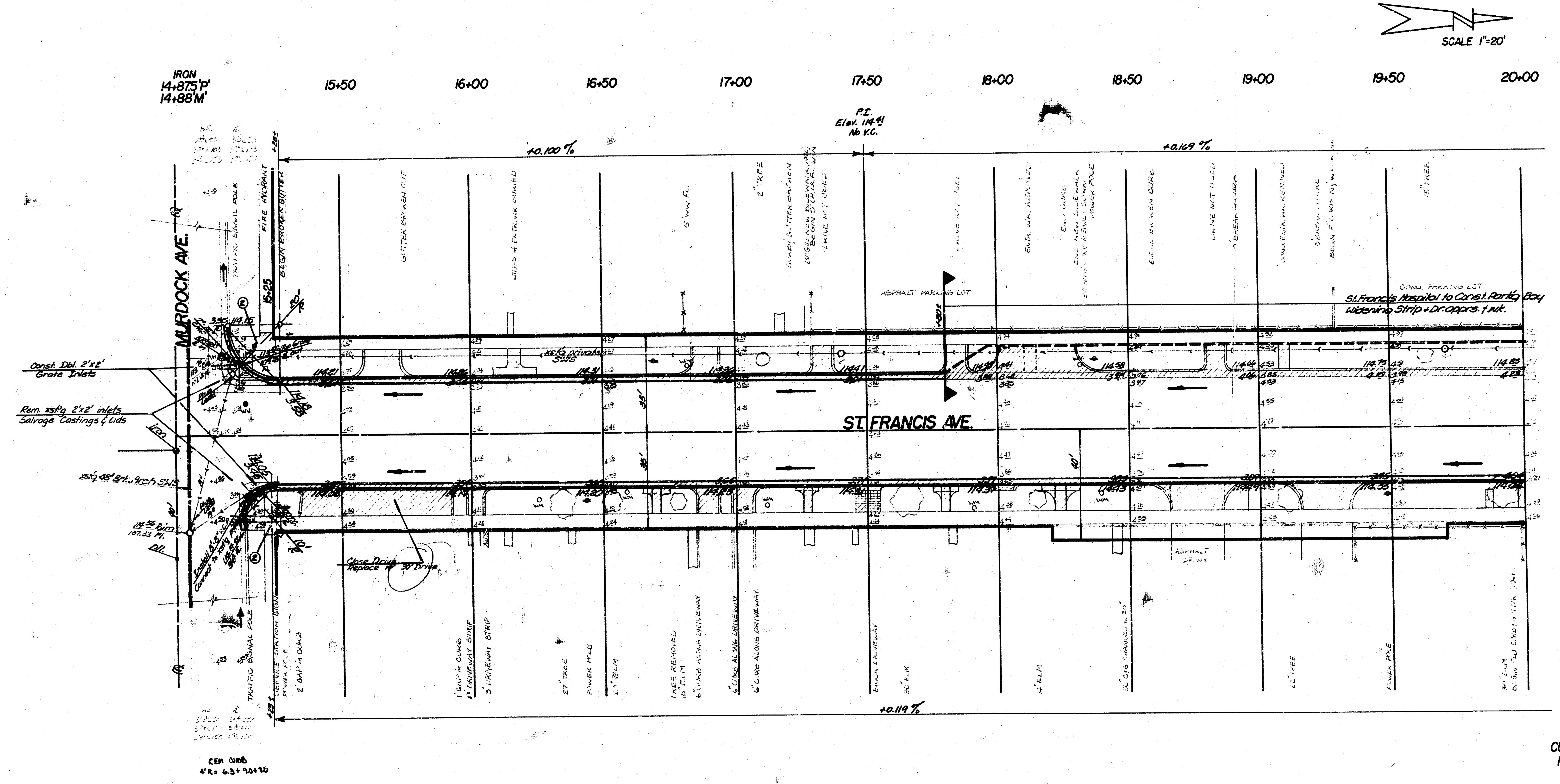
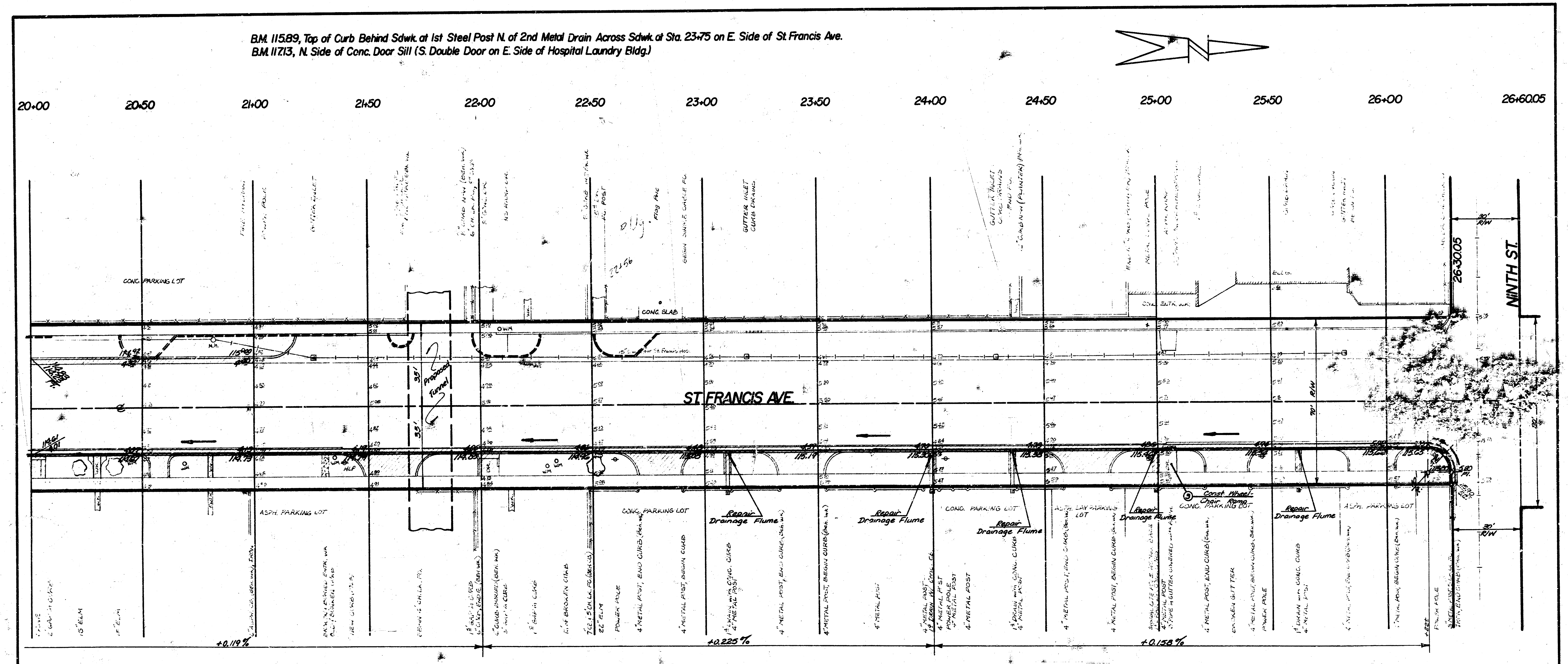

SCALE 1"=20'
IRON
14+87.5'P'
14+88'M'
15+50
16+00
16+50
17+00
17+50
18+00
18+50
19+00
19+50
20+00
P.I.
Elev. 114.41
No V.C.
+0.100 %
+0.169 %
+0.119 %
MURDOCK AVE.
ST. FRANCIS AVE.
TRAFFIC SIGNAL POLE
FIRE HYDRANT
BEGIN BROKEN GUTTER
GUTTER BROKEN OUT
ENDS of ENTR. WK. BURIED
Const. Dbl. 2'x2' Grate Inlets
Rem. xst'g 2'x2' inlets Salvage Castings & Lids
iron
xst'g 48" Brk. Arch SWS
114.56 Rim 107.33 Fl.
xst'g private SWS
2" TREE
BEGIN NEW SIDEWALK
BEGIN SOLID CURB
DRIVE NOT USED
ASPHALT PARKING LOT
END CURB
END NEW SIDEWALK
POWER POLE
BEGIN BROKEN CURB
BEGIN 8" CURB
15" TREE
CONC. PARKING LOT
St. Francis Hospital to Const. Parkg Bay Widening Strip + Dr. apprs. & wk.
Install 8.8" VCP
Connect to xst'g pipe
Close Drive Replace w/ 30' Drive
TRAFFIC SIGNAL POLE
SERVICE STATION SIGN
POWER POLE
2' GAP in CURB
1' GAP in CURB
1.5' DRIVEWAY STRIP
3' DRIVEWAY STRIP
27" TREE
POWER POLE
ASPHALT DRIVE
REM COMB
4' R = 6.3 + 9.0 + 9.0

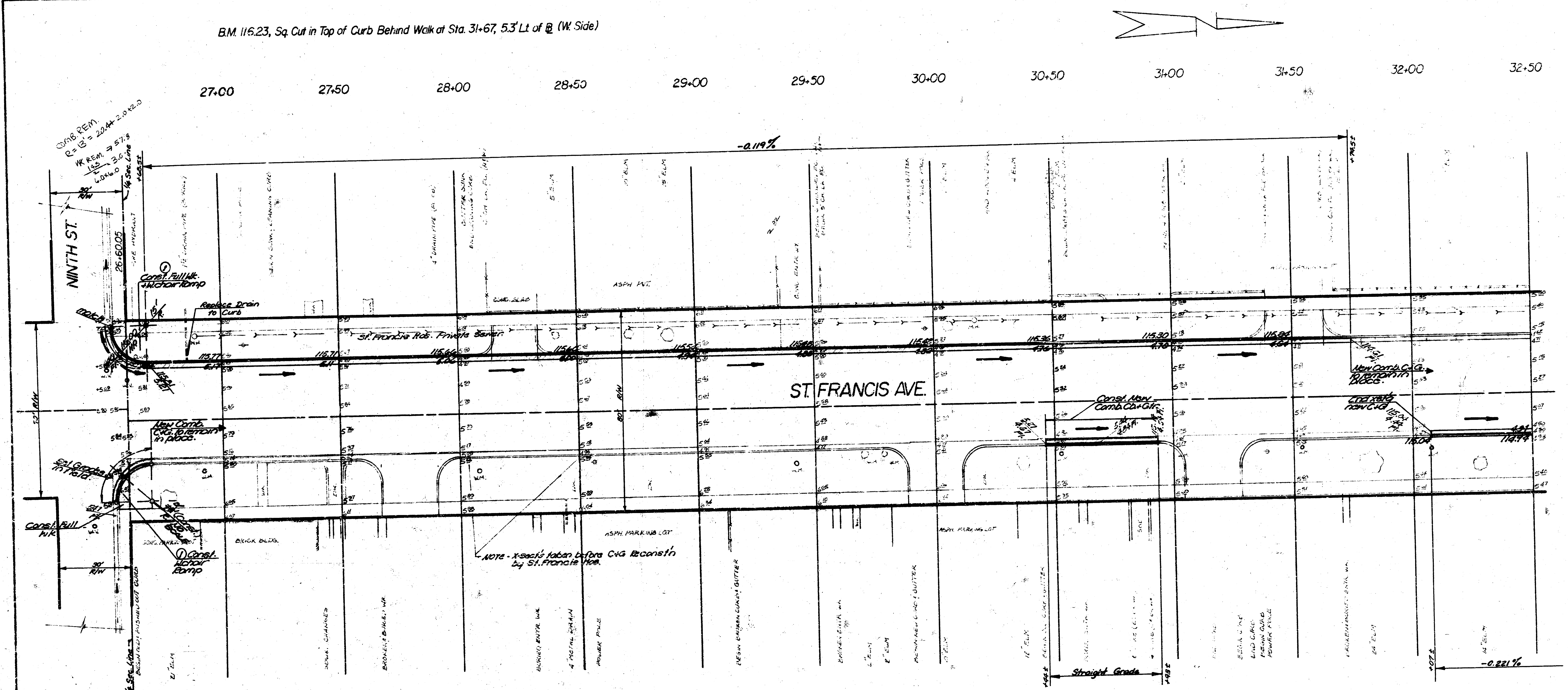
ST. FRANCIS AVE.
CURB and GUTTER REPAIR
Murdock Ave. to Sta. 20+00
STA. 14+87.5 to STA. 20+00
PROJ. NO. WNKB 536430

B.M. 115.89, Top of Curb Behind Sdwk. at 1st Steel Post N. of 2nd Metal Drain Across Sdwk. at Sta. 23+75 on E. Side of St. Francis Ave.
B.M. 117.13, N. Side of Conc. Door Sill (S. Double Door on E. Side of Hospital Laundry Bldg.)


N
20+00
20+50
21+00
21+50
22+00
22+50
23+00
23+50
24+00
24+50
25+00
25+50
26+00
26+60.05
26+30.05
NINTH ST.
ST. FRANCIS AVE.
CONC. PARKING LOT
CONC. SLAB
Proposed Tunnel
35'
ASPH. PARKING LOT
CONC. PARKING LOT
Repair Drainage Flume
Repair Drainage Flume
Repair Drainage Flume
Repair Drainage Flume
Repair Drainage Flume
CONC. PARKING LOT
ASPH. PARKING LOT
Const. Wheel-Chair Ramp
CONC. PARKING LOT
ASPH. PARKING LOT
R/W
+0.119%
+0.225%
+0.158%
POWER POLE
+22±

## ST. FRANCIS AVE.
CURB and GUTTER REPAIR
Sta. 20+00 to Ninth St.
STA. 20+00 to STA. 26+60.05
PROJ. NO. WNKB 536430

B.M. 116.23, Sq. Cut in Top of Curb Behind Walk at Sta. 31+67, 5.3' Lt. of ℄ (W. Side)


27+00
27+50
28+00
28+50
29+00
29+50
30+00
30+50
31+00
31+50
32+00
32+50
-0.119%
Comb. Rem.
R = 13' = 20.4+ 2.0 + 2.0
Wk. Rem. = 57.8
14.5/2 × 3.0
6.0×6.0
30' R/W
¼ Sec. Line
+68.5±
NINTH ST.
26+60.05
Fire Hydrant
① Const. Full Wk. + W.chair Ramp
Replace Drain to Curb
match
St. Francis Hos. Private Sewer
115.77
6.17
115.71
6.11
115.36
4.76
115.30
4.70
115.84
4.64
ASPH. PVT.
ST. FRANCIS AVE.
52' R/W
60' R/W
New Comb. C+G. to remain in place.
Set Grades in Field.
Const. Full Wk.
① Const. W.chair Ramp
30' R/W
½ Sec. Line
Brick Bldg.
ASPH. PARKING LOT
NOTE - X-Sect's taken before C+G Reconst'n by St. Francis Hos.
Const. New Comb. Cb.+Gtr.
End xstg new C+G
115.04
114.99
Straight Grade
-0.221%
+07±

ST. FRANCIS AVE.
CURB and GUTTER REPAIR
STA. 26+60.05 TO STA. 32+50
PROJ. NO. WNKB 536430

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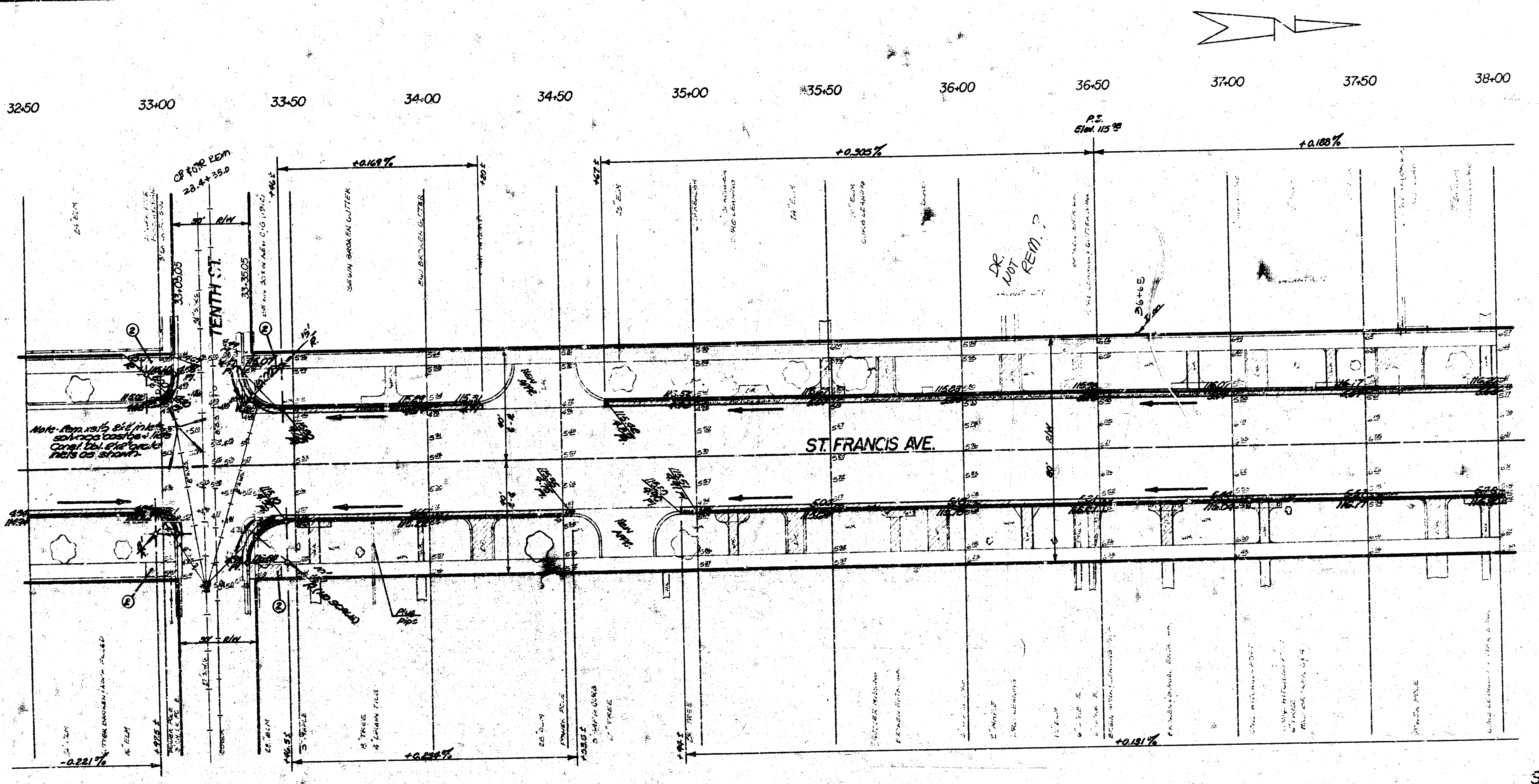
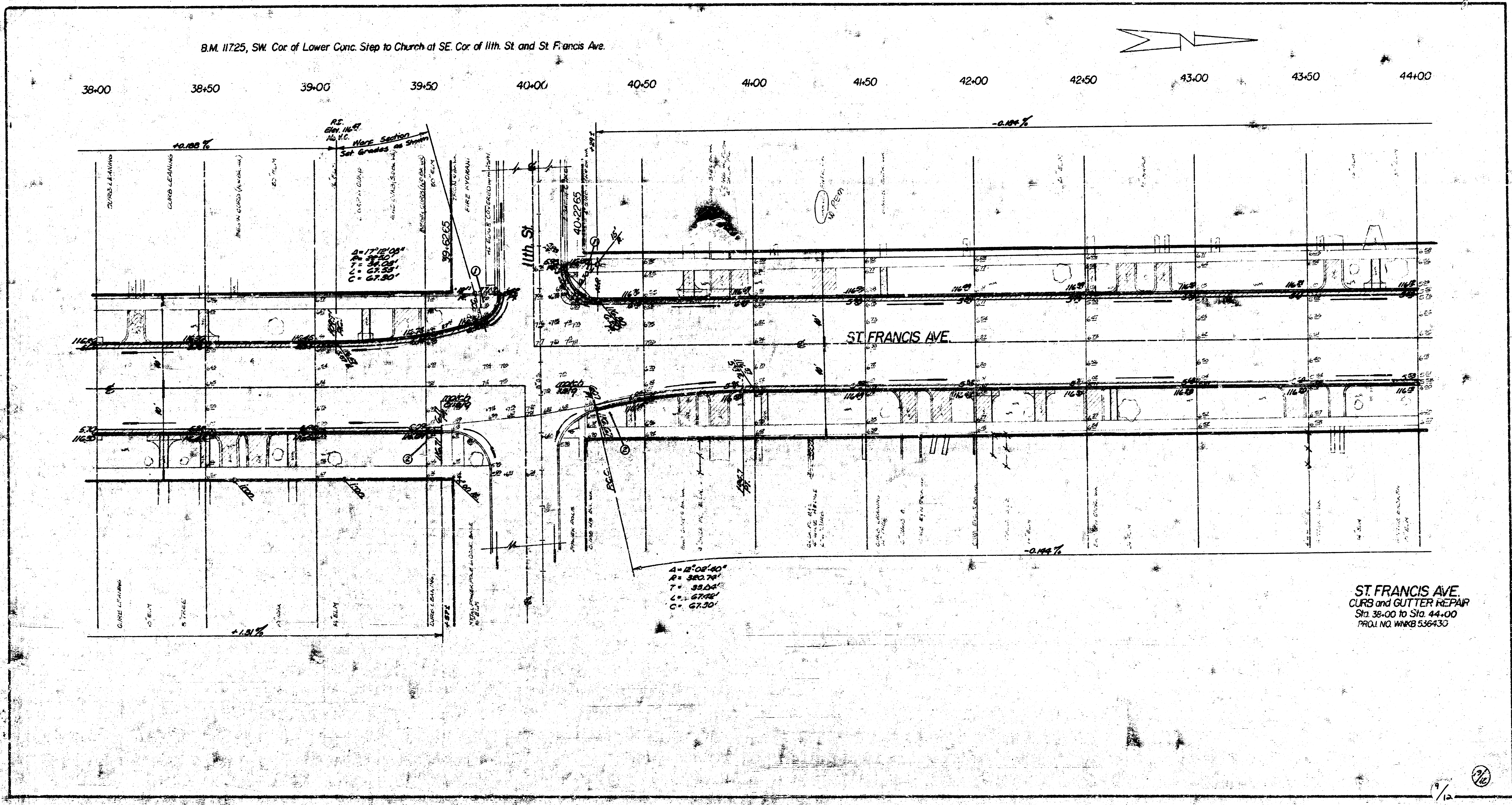

32+50
33+00
33+50
34+00
34+50
35+00
35+50
36+00
36+50
37+00
37+50
38+00
CB ÷ TR REM.
28.4+35.0
30' R/W
33+05.05
33+35.05
TENTH ST.
BEGIN BROKEN GUTTER
+0.169%
+0.305%
+0.188%
P.I.
Elev. 115.95
DR. NOT REM.?
36+65
ST. FRANCIS AVE.
Note - Rem. ex'g. ex'g. inlets salvage castgs + lids Const. Dbl. ex'g. grate inlets as shown.
②
15' R.
Plug Pipe
-0.221%
+0.226%
+0.181%

ST. FRANCIS AVE.
CURB and GUTTER REPAIR
Sta. 32+50 to Sta. 38+00
PROJ. NO. WNKB 536430

8/12

8/12


38+00
38+50
39+00
39+50
40+00
40+50
41+00
41+50
42+00
42+50
43+00
43+50
44+00
+0.188 %
-0.186 %
-0.144 %
+1.81 %
P.I.
Elev. 116.47
No V.C.
Warp Section
Set Grades as Shown
FIRE HYDRANT
39+6265
40+2265
11th. St.
ST. FRANCIS AVE.
N
match
Δ=17°12'08"
R=
T= 34.08'
L= 67.53'
C= 67.30'
Δ=12°02'40"
R= 320.74'
T= 33.84'
L= 67.48'
C= 67.30'

B.M. 117.25, SW. Cor. of Lower Conc. Step to Church at SE. Cor. of 11th. St. and St. Francis Ave.

ST. FRANCIS AVE.
CURB and GUTTER REPAIR
Sta. 38+00 to Sta. 44+00
PROJ. NO. WNKB 536430

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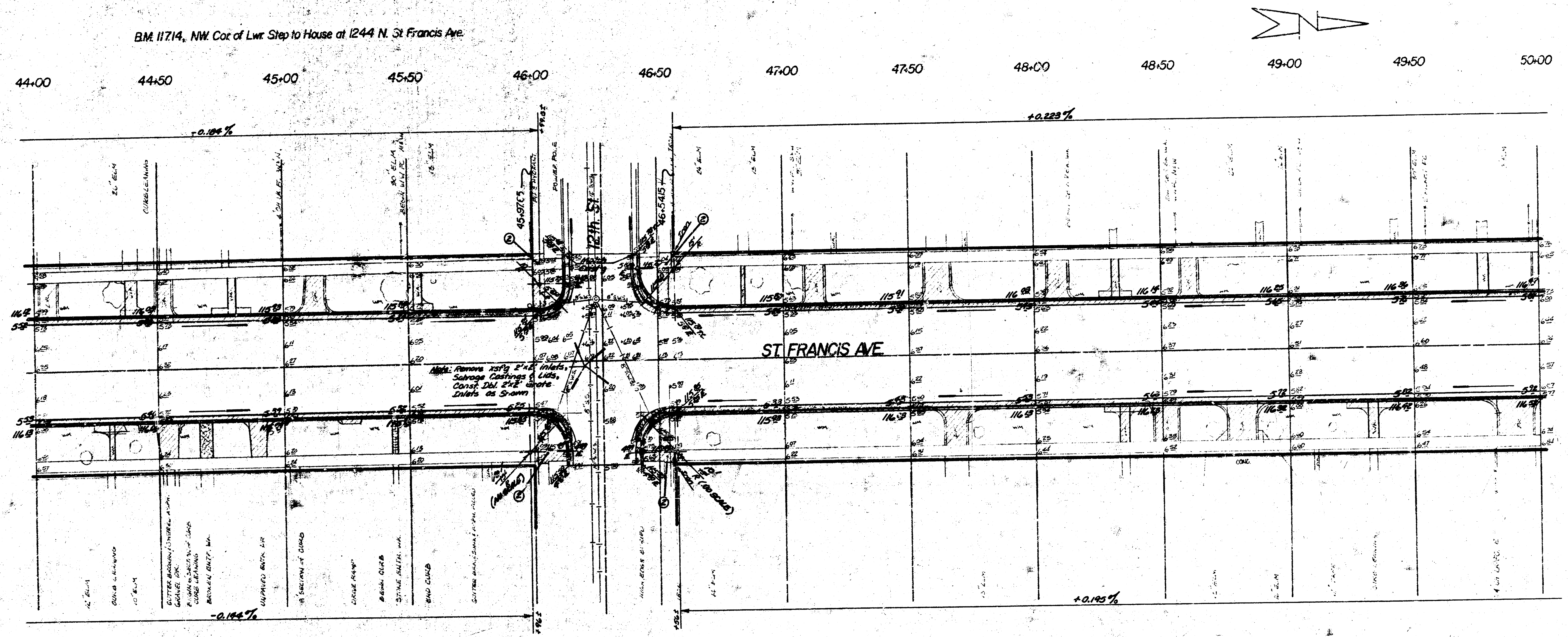
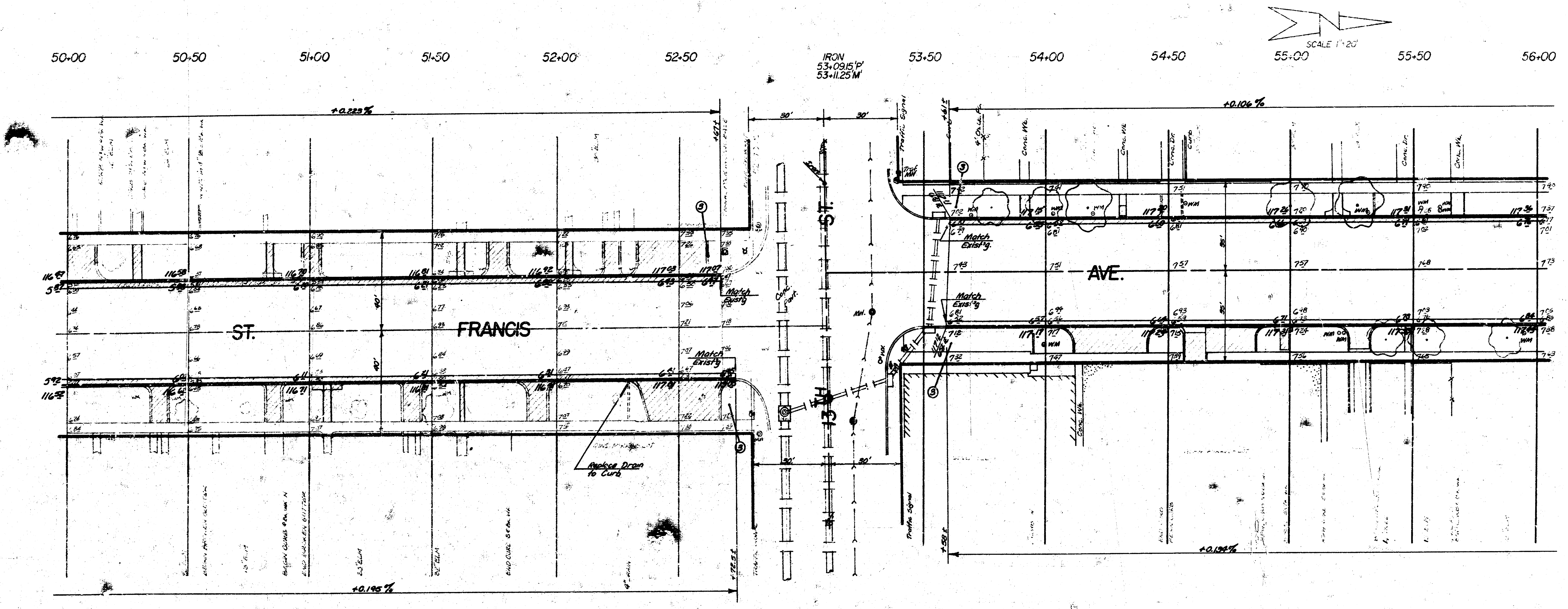

B.M. 117.14, NW. Cor. of Lwr. Step to House at 1244 N. St Francis Ave.
44+00
44+50
45+00
45+50
46+00
46+50
47+00
47+50
48+00
48+50
49+00
49+50
50+00
+0.184 %
+0.228 %
-0.144 %
+0.195 %
ST. FRANCIS AVE.
Note: Remove X'st'g 2'×2' inlets, Salvage Castings & Lids, Const. Dbl. 2'×2' Grate Inlets as Shown
8" S.W.S.

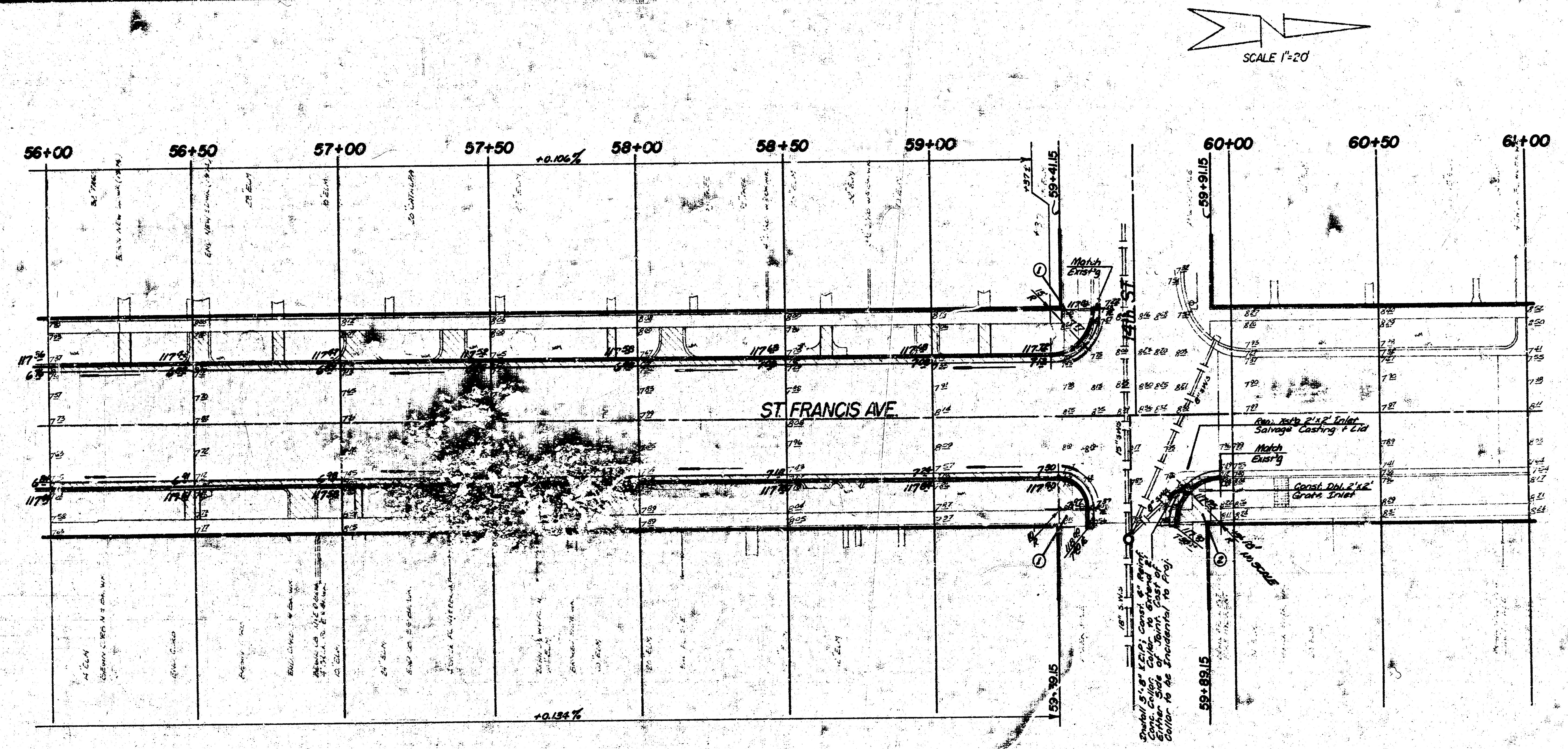
ST. FRANCIS AVE.
CURB and GUTTER REPAIR
Sta. 44+00 to Sta. 50+00
Proj. No. WNKS 536430

10/12

10/12


SCALE 1"=20'
50+00
50+50
51+00
51+50
52+00
52+50
IRON
53+09.15'P'
53+11.25'M'
53+50
54+00
54+50
55+00
55+50
56+00
+0.229%
+0.106%
+0.195%
+0.134%
30'
30'
+67±
+81±
Traffic Signal
Traf. MH
Conc. Wk.
ST.
FRANCIS
AVE.
ST.
Match Exist'g.
Match Exist'g.
Match Exist'g.
Replace Drain to Curb
3

ST. FRANCIS AVE.
CURB and GUTTER REPAIR
Sta. 50+00 to Sta. 56+00
Proj. No. WNKB 536430


SCALE 1"=20'
56+00
56+50
57+00
57+50
58+00
58+50
59+00
60+00
60+50
61+00
+0.106%
+0.134%
ST. FRANCIS AVE.
19th ST.
59+41.15
59+91.15
59+39.15
59+89.15
Match Exist'g
Rem. Ex'st'g 2'x2' Inlet Salvage Casting + Lid
Const. Dbl. 2'x2' Grate Inlet
15" S.W.S.
18" S.W.S.
6" S.W.S.
Install 5'-8" X.C.I.P.; Const. 6" Reinf. Conc. Collar. Collar to Extend 2' Either Side of Joint. Cost of Collar to be Incidental to Proj.
NO SCALE

ST. FRANCIS AVE.
CURB and GUTTER REPAIR
Sta. 56+00 to Sta. 61+00
Proj. No. WNKB536430

12/12