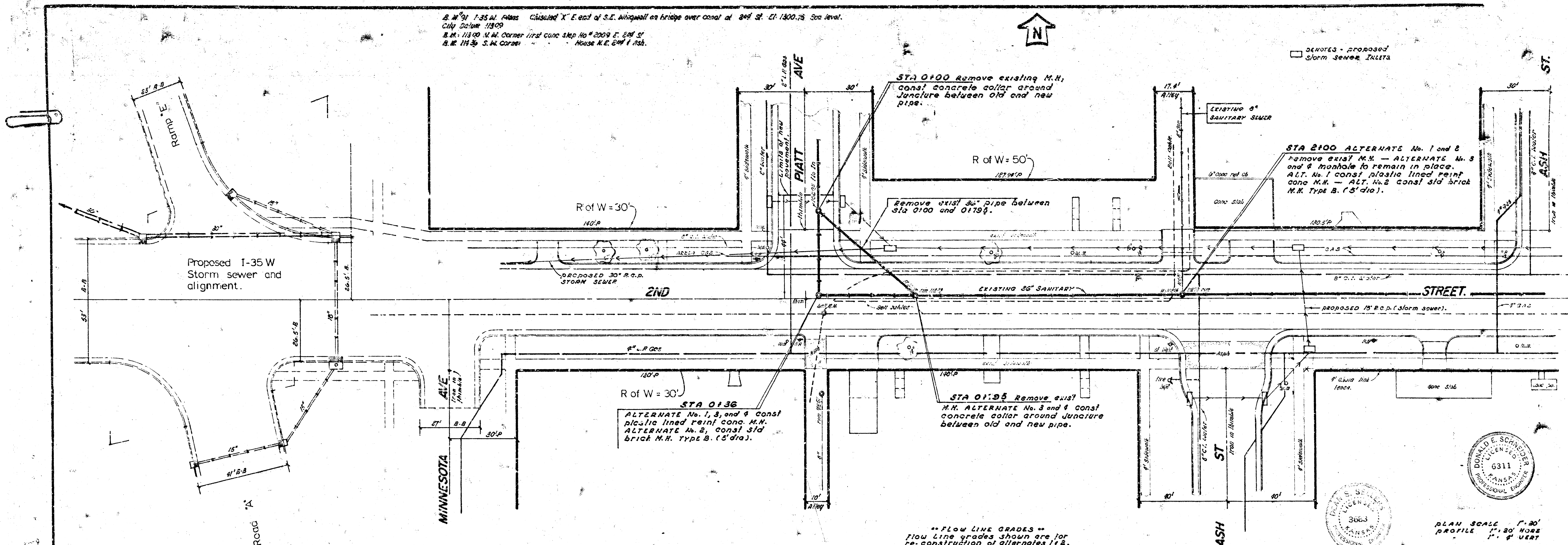


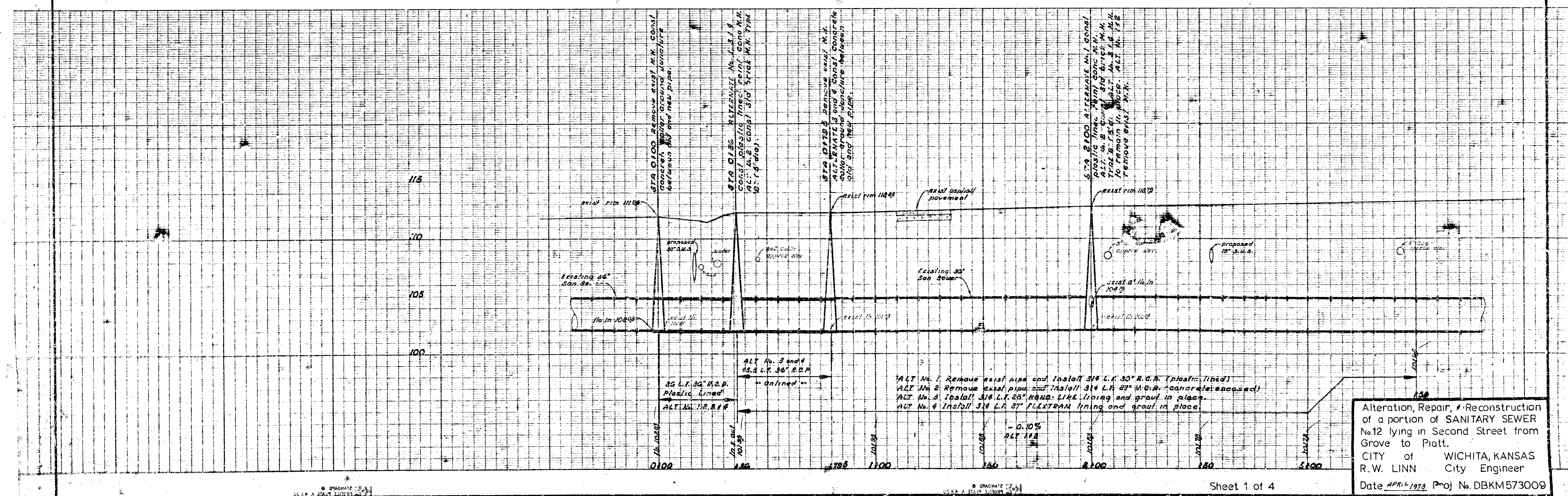
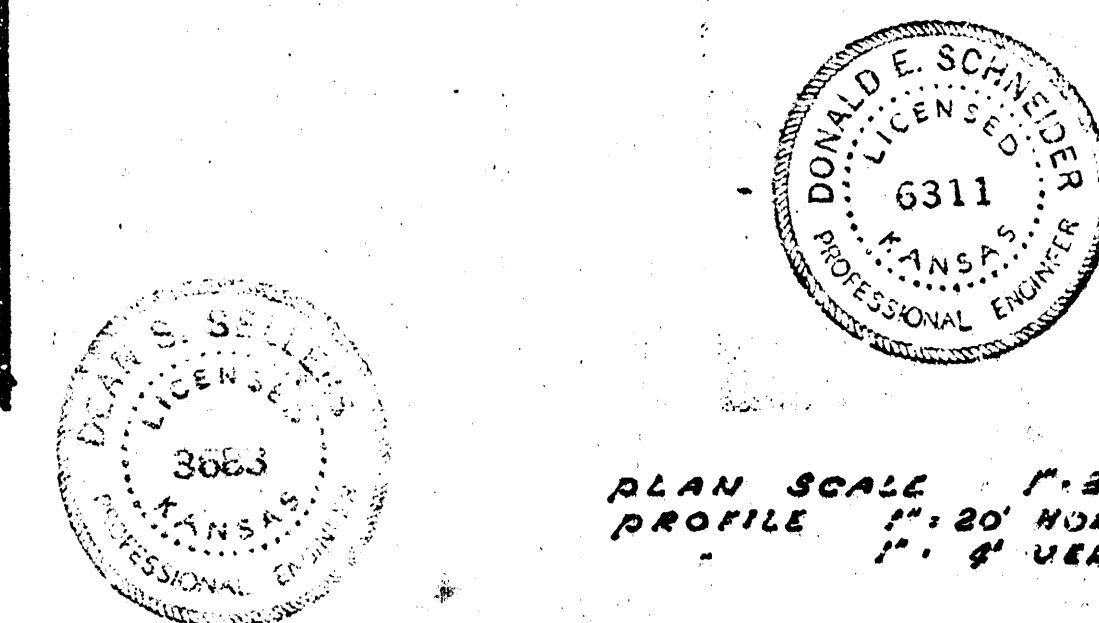
8. N. 91° 1.35 W. from C. 134.00' at E. end of S.E. 1/4 of Sec. 10, T. 13N., R. 10E., S. 100.00' Sec. level.  
 City Survey 1909  
 E. 1/4, 113.00' N. 1/4 Corner 1st conc. pipe No. 12009 E. 2nd St.  
 S. 1/4, 114.00' S. 1/4 Corner House N.E. 1/4 1st 1st.

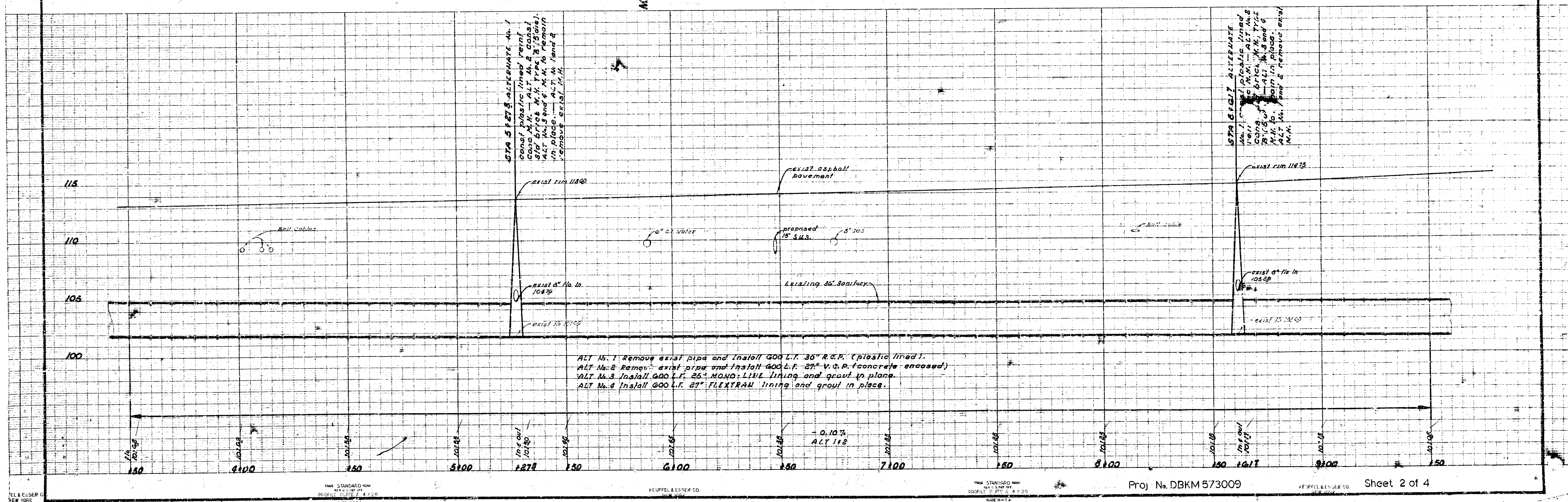


DENOTES - PROPOSED  
 Storm Sewer Inlets

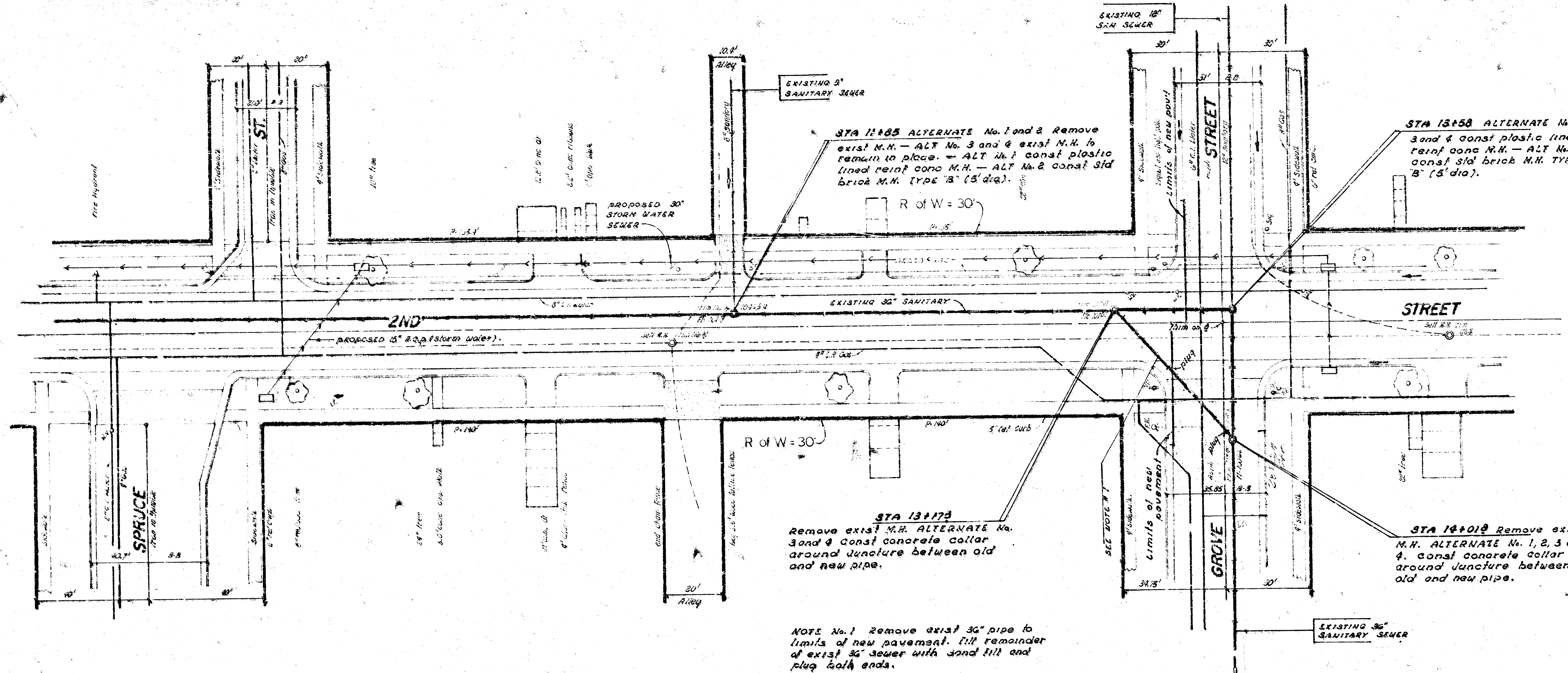


"FLOW LINE GRADES"  
 Flow line grades shown are for re-construction of alternates 1 & 2.





R.M. 11908 U.S. Census first cane strip House of S. at corner 2ND and GROVE.  
B. 12-12195 N.E.

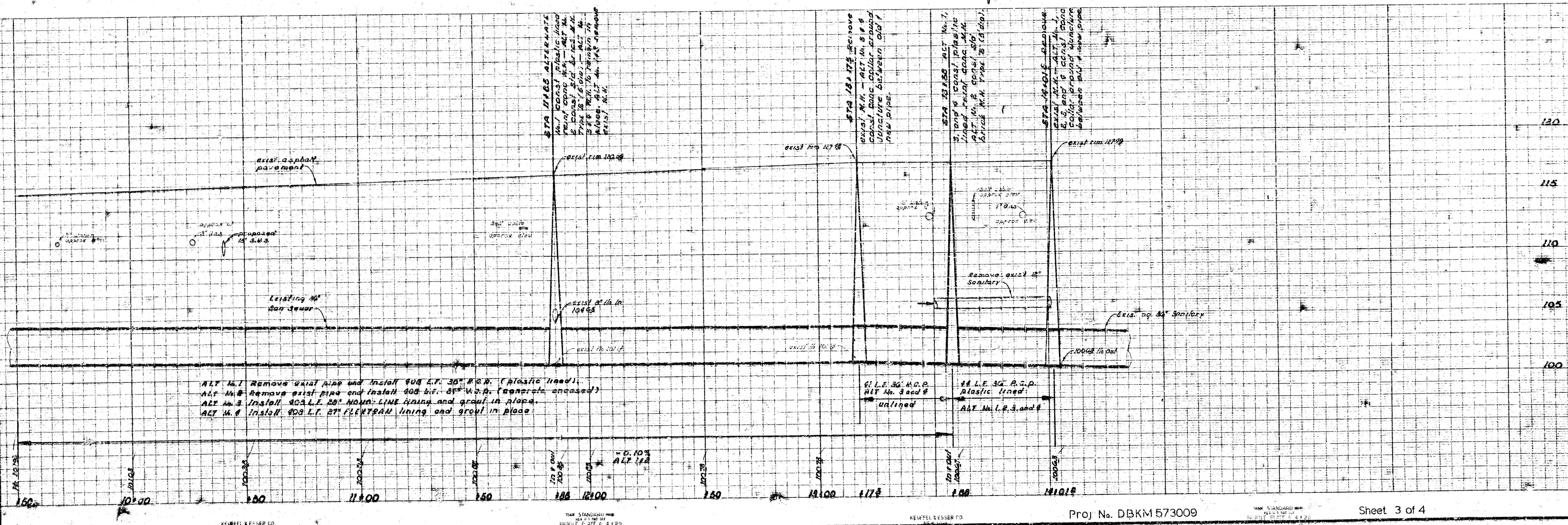


STA 13+173  
Remove exist. M.H. ALTERNATE No. 3 and 4. Const. concrete collar around juncture between old and new pipe.

STA 13+58 ALTERNATE No. 1, 3 and 4. Const. plastic lined reinf. conc. M.H. - ALT No. 2 const. 3rd brick M.H. TYPE 'B' (5' dia).

STA 14+018 Remove exist. M.H. ALTERNATE No. 1, 2, 3 and 4. Const. concrete collar around juncture between old and new pipe.

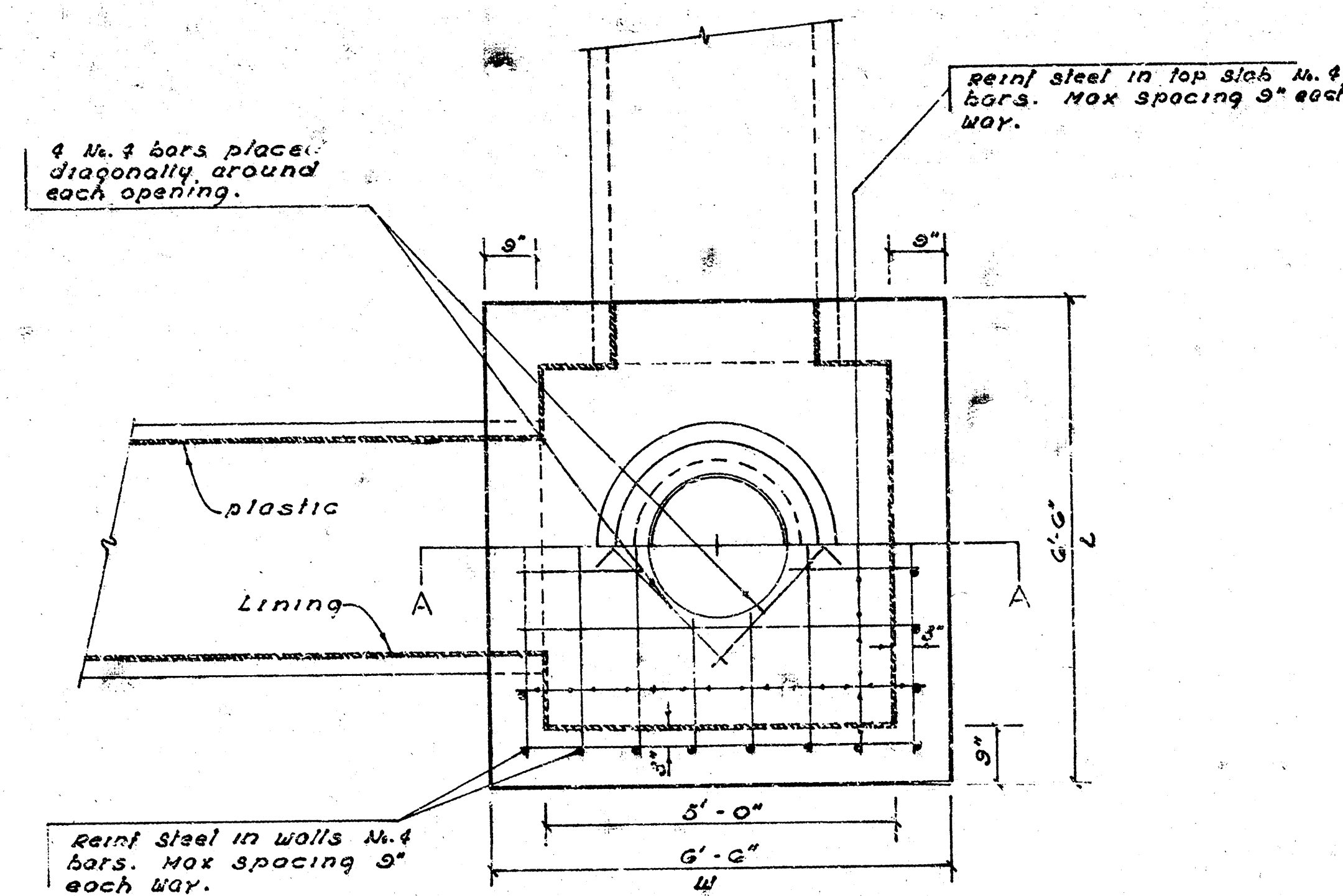
NOTE No. 1 Remove exist. 30" pipe to limits of new pavement. Fill remainder of exist. 30" sewer with sand fill and plug both ends.



ALT No. 1 Remove exist. pipe and install 30" P.C. (plastic lined).  
ALT No. 2 Remove exist. pipe and install 30" P.C. (concrete lined).  
ALT No. 3 Install 30" P.C. (plastic lined) and gravel in place.  
ALT No. 4 Install 30" P.C. (plastic lined) and gravel in place.

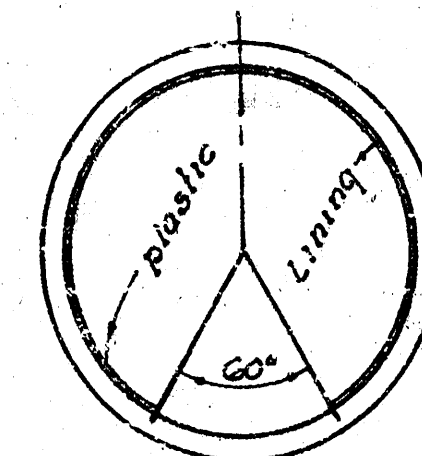
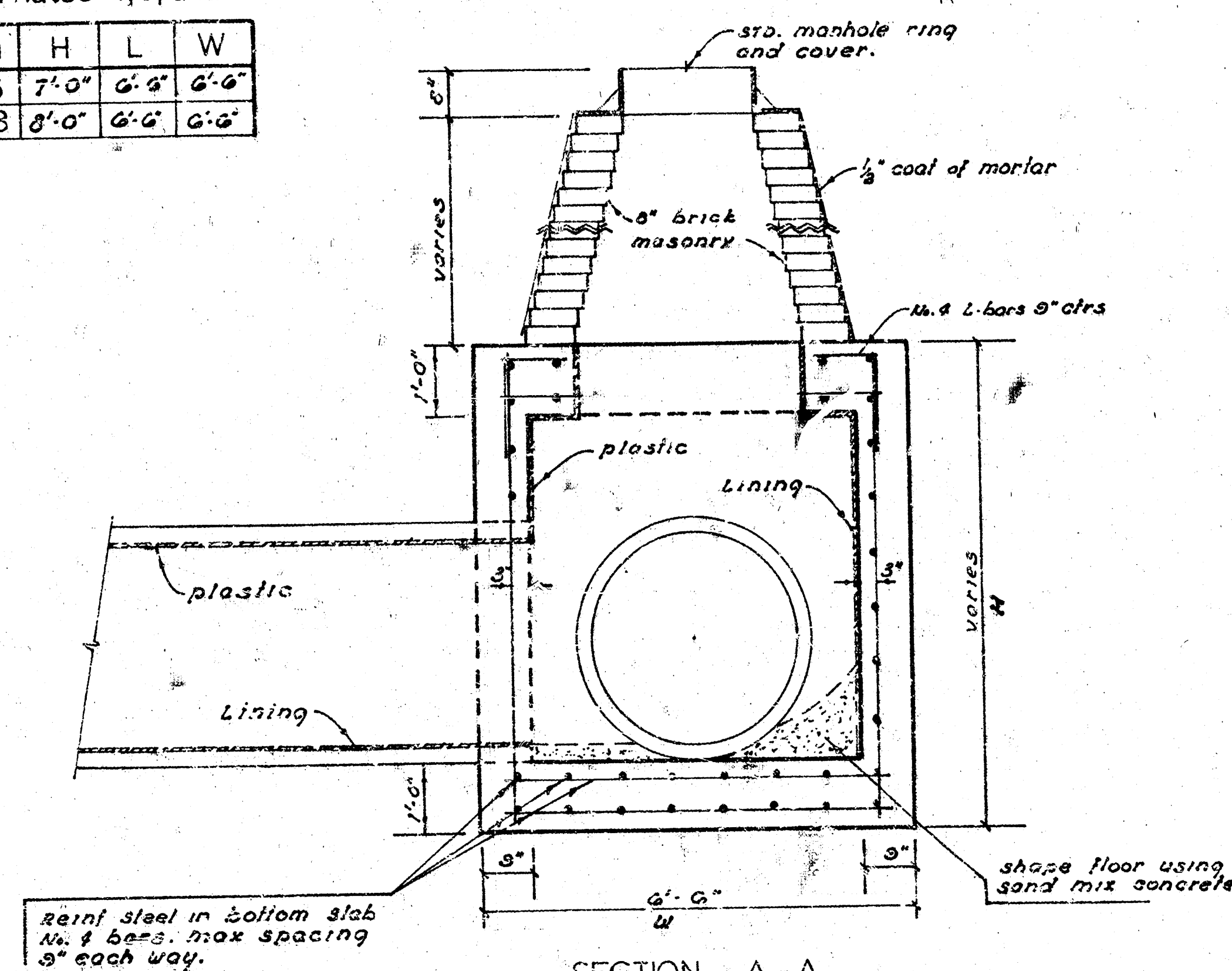
6" L.E. 30" R.O.D. ALT No. 3 and 4  
unlined

18" L.E. 30" R.O.D. ALT No. 1, 2, 3, and 4  
plastic lined

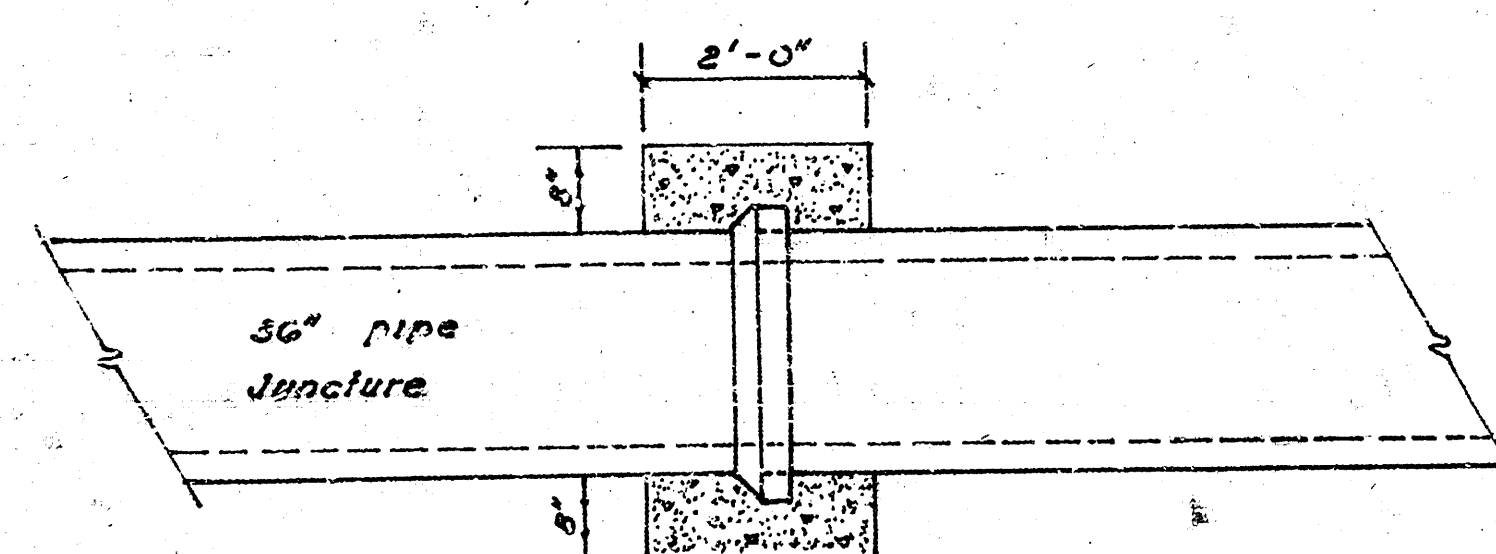


REINF CONC MANHOLES  
Alternates 1, 3, and 4

| Station | H     | L     | W     |
|---------|-------|-------|-------|
| 0+36    | 7'-0" | 6'-6" | 6'-6" |
| 13+58   | 8'-0" | 6'-6" | 6'-6" |



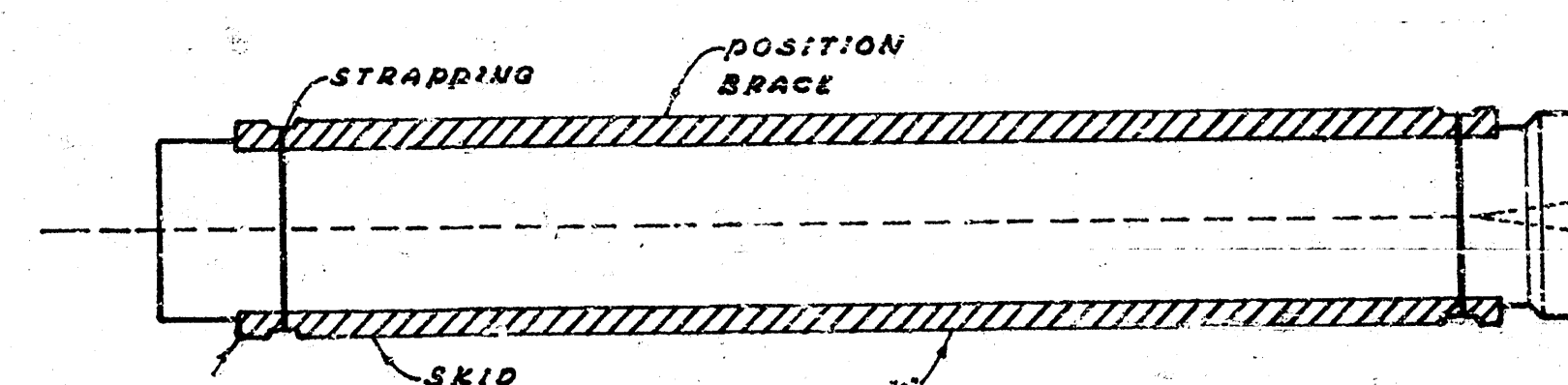
DETAIL: R.C.P. (plastic lining)



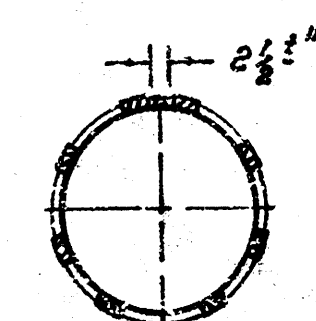
CONCRETE COLLAR DETAIL

Sta 0+00 Alternate 1, 2, 3, and 4  
Sta 0+79.5 Alt 3 and 4  
Sta 13+17.5 Alt 3 and 4  
Sta 14+01.8 Alternate 1, 2, 3, and 4

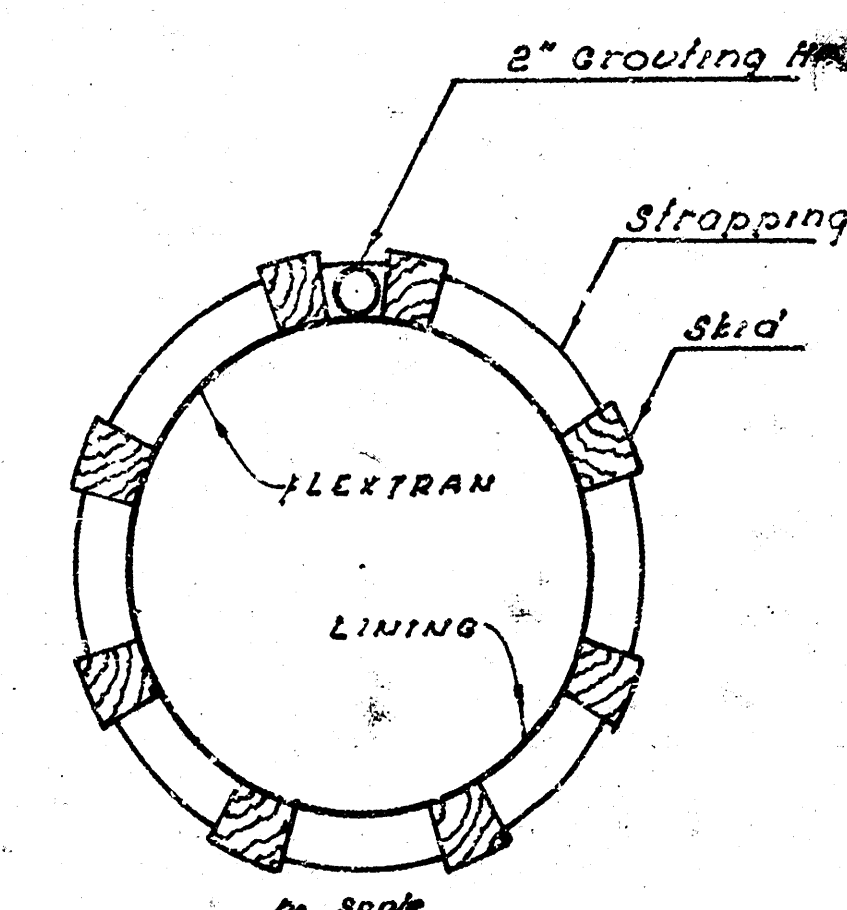
NOTE: contractor is to utilize Bell and Barrel Junctionure between old & new pipe if at all possible.



Alternate No. 4 - 27" FLEXTRAN LINING DETAIL



NOTE: The leading or forward ends of the skids should be rounded as shown for 'A' above. Skids should not be less than 2' shorter than the pipe being installed. Care should be taken to install the bottom skids parallel to the 6' of the pipe to prevent rolling of pipe in casing. Watch skids for strapping. Strapping should be spaced according to diagram.



2" grouting hole  
2" skid  
27" FLEXTRAN LINING  
95° SKID SPACING except for two skids.