

PLAN AND PROFILE FOR STORM WATER SEWER NO. 109

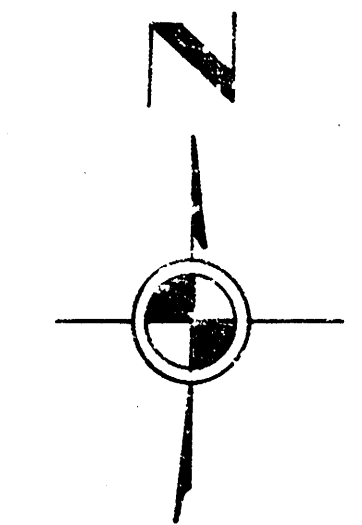
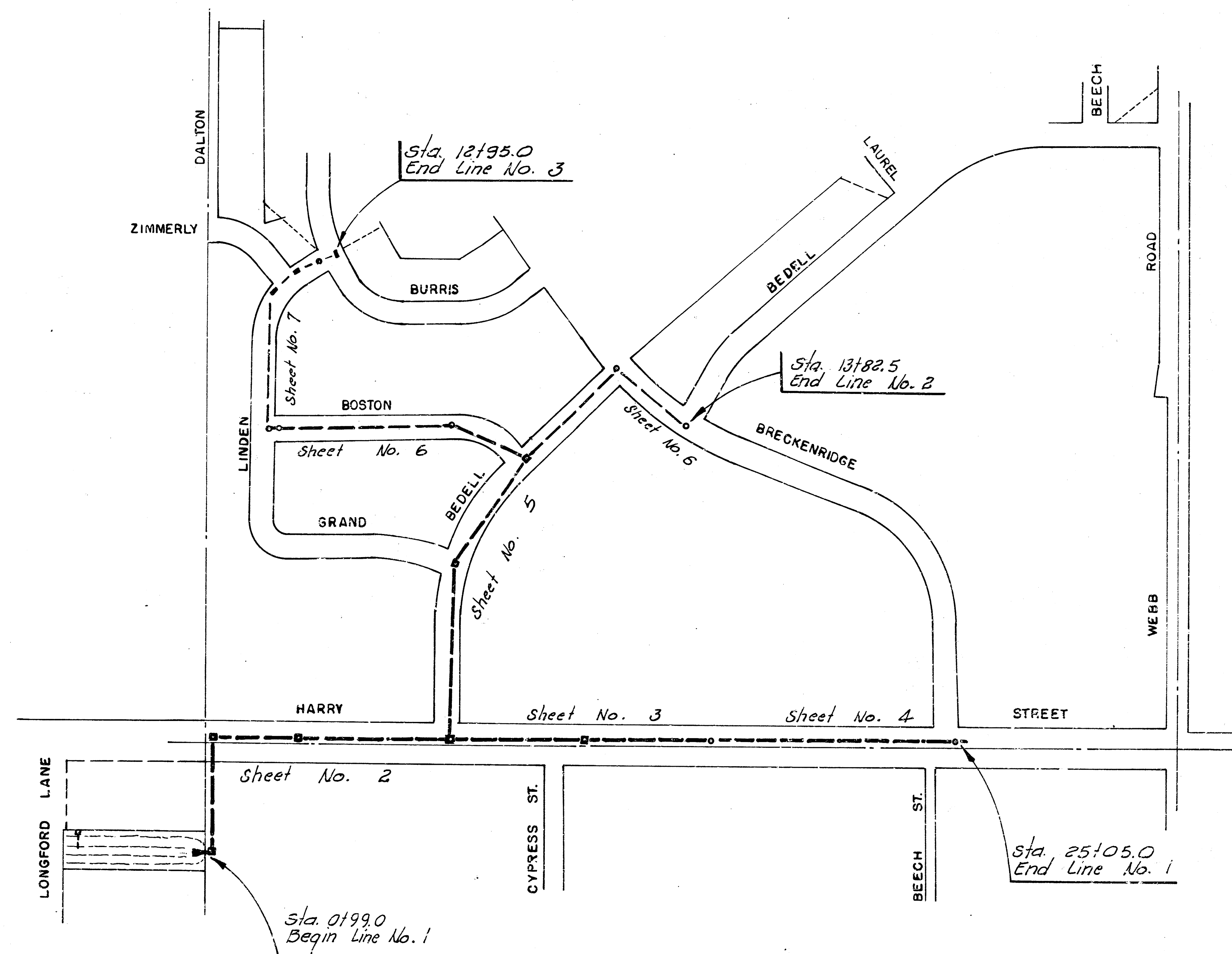
CITY OF WICHITA, KANSAS

R. W. LINN — CITY ENGINEER

MARCH 1976, PROJECT NO. DBKA 574052

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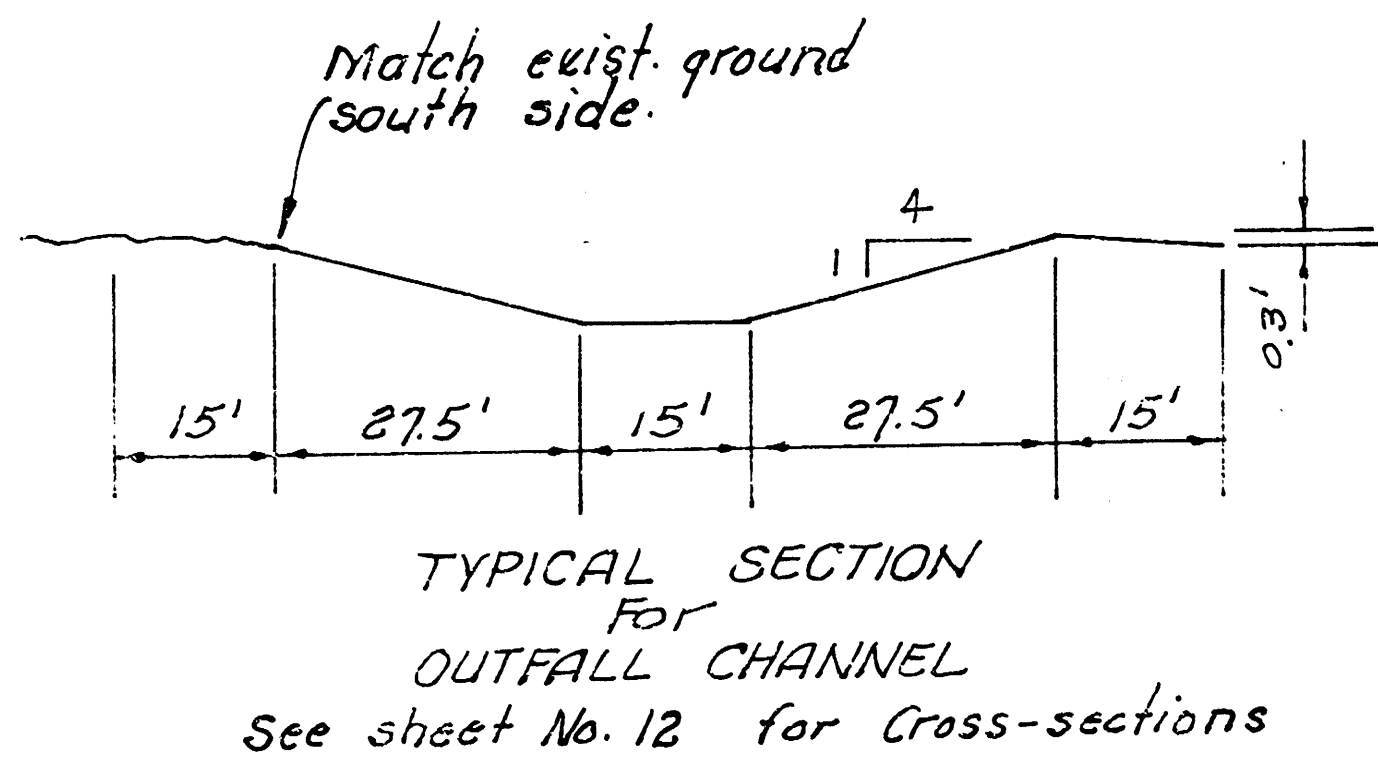


SCALE 1" = 200'

GENERAL NOTES

1. REMOVAL AND REPLACEMENT OF ASPHALT PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID PER LIN. FT. OF ASPHALT PAVEMENT REMOVED AND REPLACED. LIMITS OF PAVEMENT REMOVAL AND REPLACEMENT WILL DEPEND LARGELY ON CONTRACTOR'S CONSTRUCTION OPERATION. LIMITS OF PAVEMENT REMOVAL AND REPLACEMENT SHALL BE APPROVED BY THE FIELD ENGINEER. ANY DAMAGE TO PAVEMENT UN-NECESSARILY CAUSED BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
2. CHANNEL AND MAINTENANCE BERM BETWEEN BOX CULVERT ON LONGFORD LANE AND BEGINNING OF STORM SEWER SHALL BE SEEDED AND MULCHED.
3. PART OF THE EXCESS EXCAVATED MATERIAL FROM CHANNEL EXCAVATION AND TRENCH EXCAVATION SHALL BE USED TO FILL DITCHES IN BEDELL RIGHT-OF-WAY FROM HARRY STREET TO BRECKENRIDGE. FILL IN DITCHES SHALL BE COMPACTED TO A DENSITY OF 90% OF STANDARD DENSITY. CONTRACTOR SHALL AREA GRADE THE RIGHT-OF-WAY ON BEDELL, GRAND, BOSTON, BRECKENRIDGE, AND LINDEN SUCH THAT THE STORM WATER WILL DRAIN TO INLETS CONSTRUCTED. THIS WORK WILL NOT BE PAID FOR DIRECTLY AND THE COST OF FILLING DITCHES AND AREA GRADING THE RIGHT-OF-WAY AS PREVIOUSLY DESCRIBED SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER ITEMS OF WORK.

B. M. 161.82 City Std. west Parkway
4' Harry 1/4 mile east of Rock Road
42' W. & 48' S. of 1/4 Sec. cor.



NOTE: Riprap to
be grouted Rock
riprap.

Sta. 2+50 Install Special Drop
Inlet and 38'-12" C.M.P. South
with end section.
See sheet No. 8 for Inlet detail.
Backfill to be excavated
material compacted to
original density.

NOTE: Do not disturb Hedge.

Sta. 0+25 to Sta. 1+00
Rock Riprap area as shown
Install for all around Riprap
Area. See sheet No. 8 for
Riprap detail.

CAUTION:
Exist. 20" A.C.
Water main.

Sta. 1+20.0 Const.
Reinf. Conc. M. H.
See sheet No. 10
for M. H. detail.

Sta. 0+99.0
Req. 66" R.C.P.

Sta. 0+71 to Sta. 1+00
Const. Outfall structure
See sheet No. 8 for
Structure detail.

Sta. 4+25
Exist. 20" A.C.
Water line.

Sta. 4+67.0 Const.
Reinf. Conc. M. H.
See sheet No. 9
for M. H. detail.

Sta. 6+88.0
Remove R.C. Culvert
Const. Reinf. Conc. M. H.
See sheet No. 10
for M. H. detail.
Install 50'-24" R.C.P. South
Install 20'-24" R.C.P. North

Alternate 24" C.M.P. Fully paved.

Install 3 Special Drop Inlets
with 3'-18" R.C.P. betw. Inlets
See sheet No. 8 for Inlet detail.
Ctr. Inlet
Flo in 2'-18" = 157.30
Flo out 24" = 156.20
Outside Inlets
Flo out 18" = 157.50

Alternate 18" C.M.P.
Alternate 24" C.M.P. Fully paved.

Sta. 11+14.4 Const.
Reinf. Conc. M. H.
See sheet No. 10
for M. H. detail.
Sta. 0+00.0 For
Line No. 2 No.
Install 15" R.C.P.
Stub E. NE.
Plug Stub.

Alternate 15" C.M.P.

Plan Scale 1" = 40'
Profile Scale 1" = 40' Horiz.
1" = 5' Vert.

Sta. 11+14.4 Const.
Reinf. Conc. M. H.
See sheet No. 10
for M. H. detail.
Sta. 0+00.0 For
Line No. 2 North
Install 15" R.C.P. Stub E. NE.
Plug Stub.
Alternate 15" C.M.P.

CAUTION: Top of 20"
A.C. Water
main 149.50

Top exist. 20"
A.C. Water main.
155.00

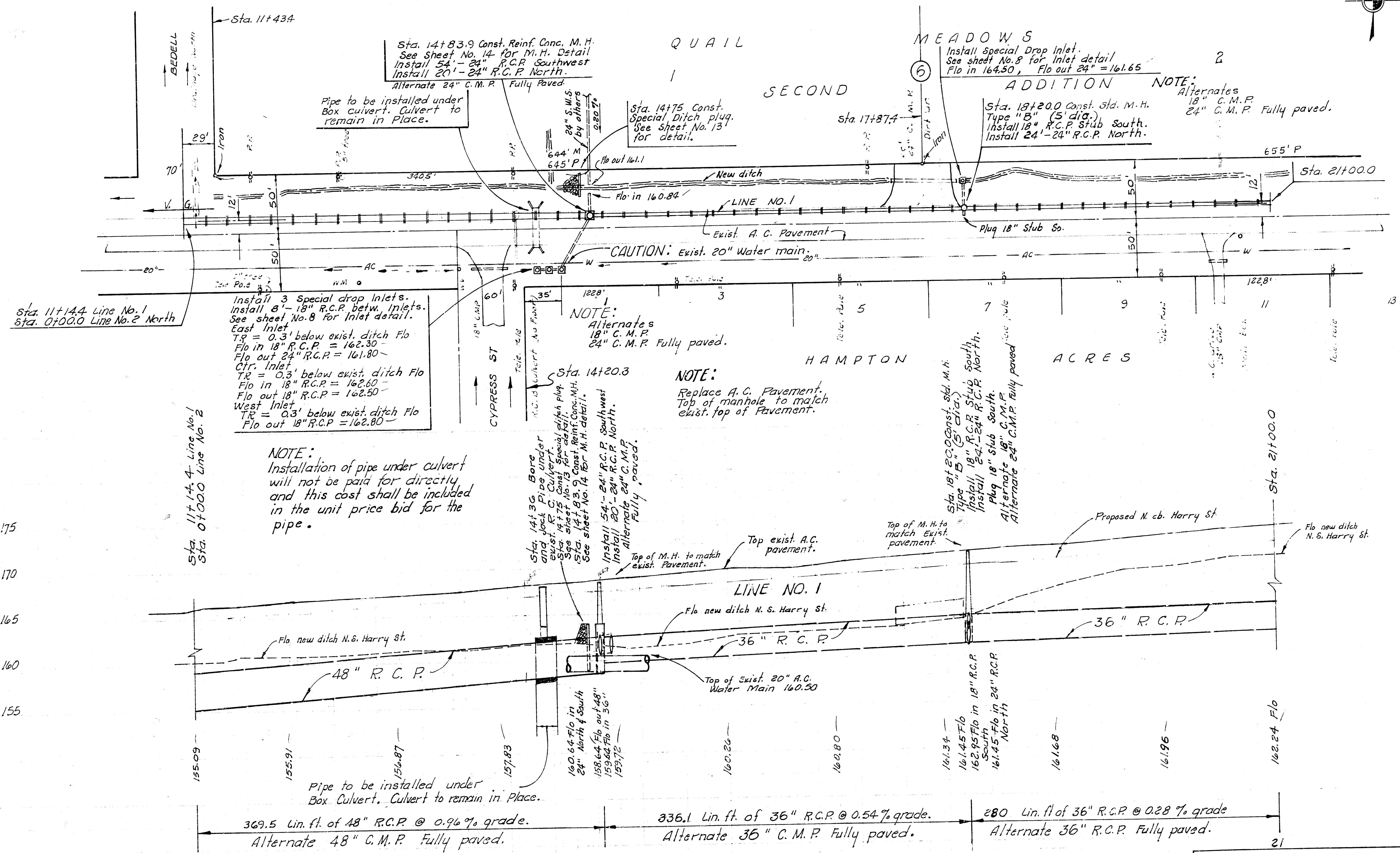
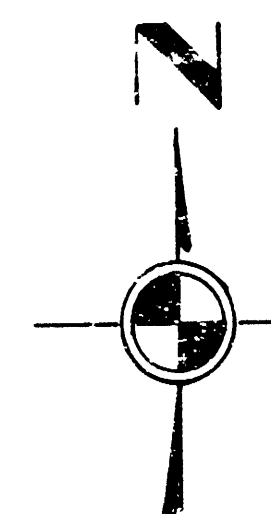
589 Lin. ft. of 66" R.C.P. @ 0.40% grade.

Alternate 66" C.M.P. Fully paved

Alternate 66" C.M.P. Fully paved.

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175
170
165
160
155

175
170
165
160
155

369.5 Lin. ft. of 48" R.C.P. @ 0.96% grade.
Alternate 48" C.M.P. Fully paved.

336.1 Lin. ft. of 36" R.C.P. @ 0.54% grade.
Alternate 36" C.M.P. Fully paved.

280 Lin. ft. of 36" R.C.P. @ 0.28% grade.
Alternate 36" R.C.P. Fully paved.

⑥
2

593.75

NOTE:
Alternate 30" C. M. P. Fully paved.

Handwritten signature 'O' and '304' on a document.

ACRES

UNPLATTED

Top of M. H. to match
Exist. pavement.

Proposed top of N. cb Harry St.

LINE NO. 1

Alternate 30" ^{C.M.P.} ~~R.C.P.~~ Fully paved.

Flo out proposed
8" San. Sewer.

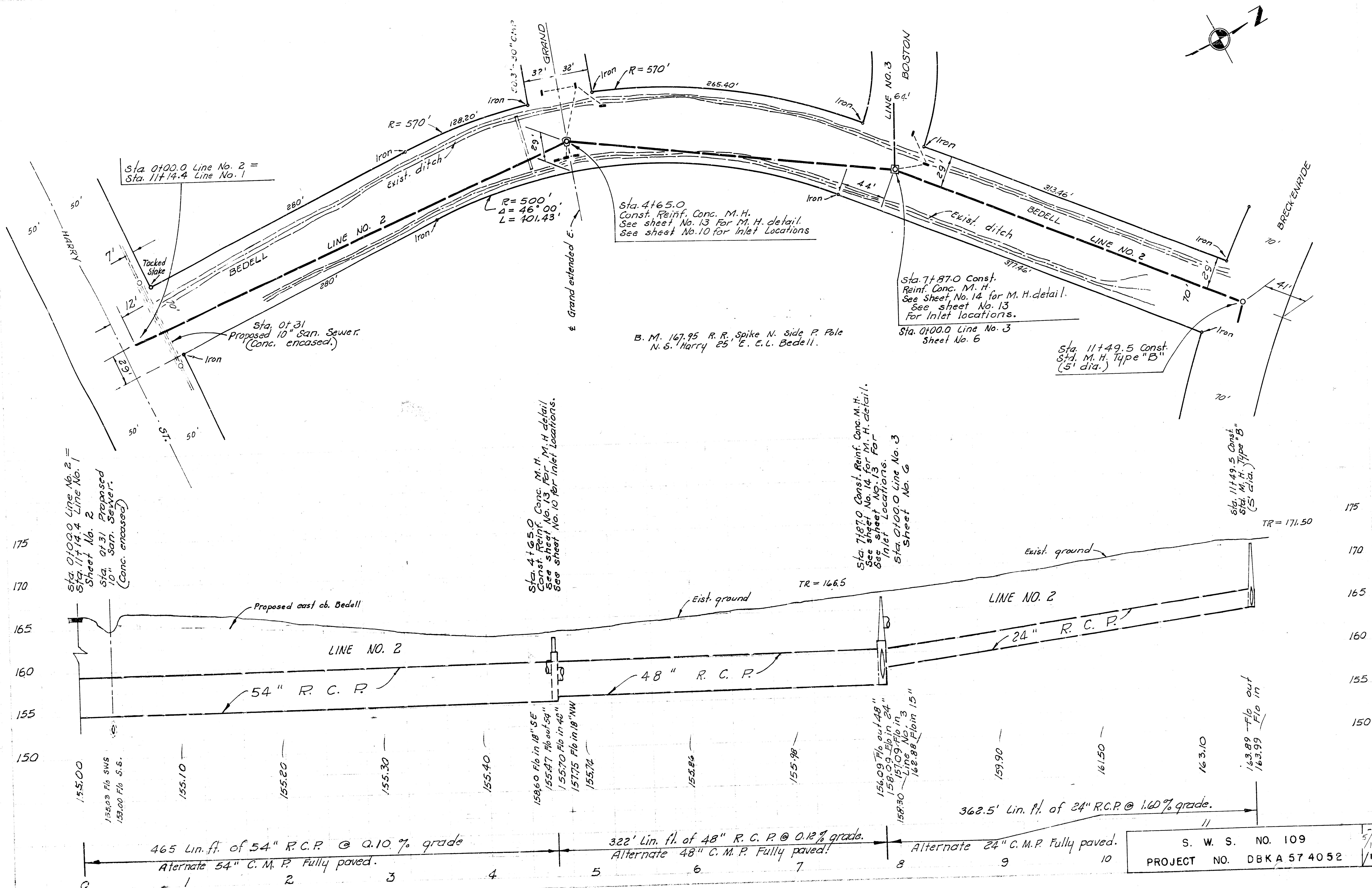
169.03 Flo in 18" N
163.36 Flo out 36"
163.96 Flo in 30" Stub
170.20 Flo in 15" NE
Plug 30" Stub East

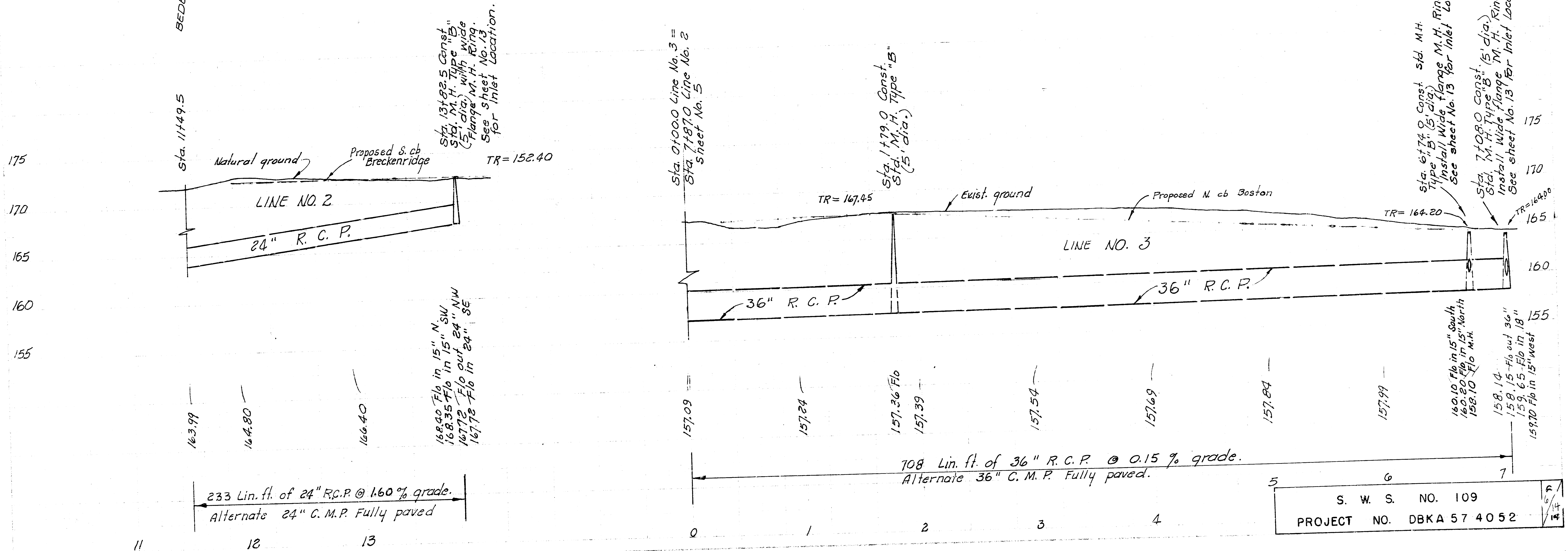
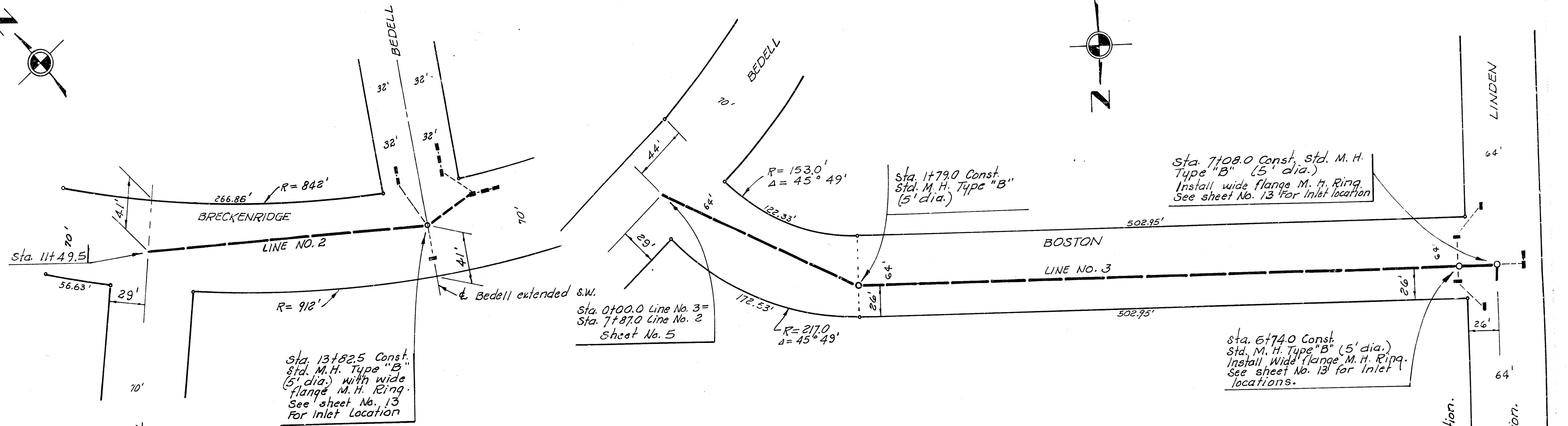
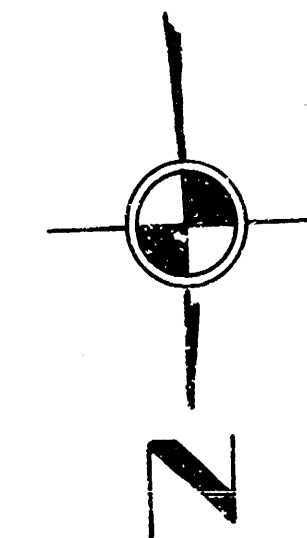
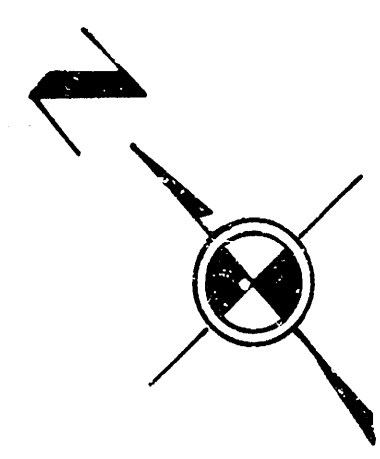
400 Lin. ft. of 36" R.C.P. @ 0.28 % grade
Alternate 36" G. M. P. Fully paved.

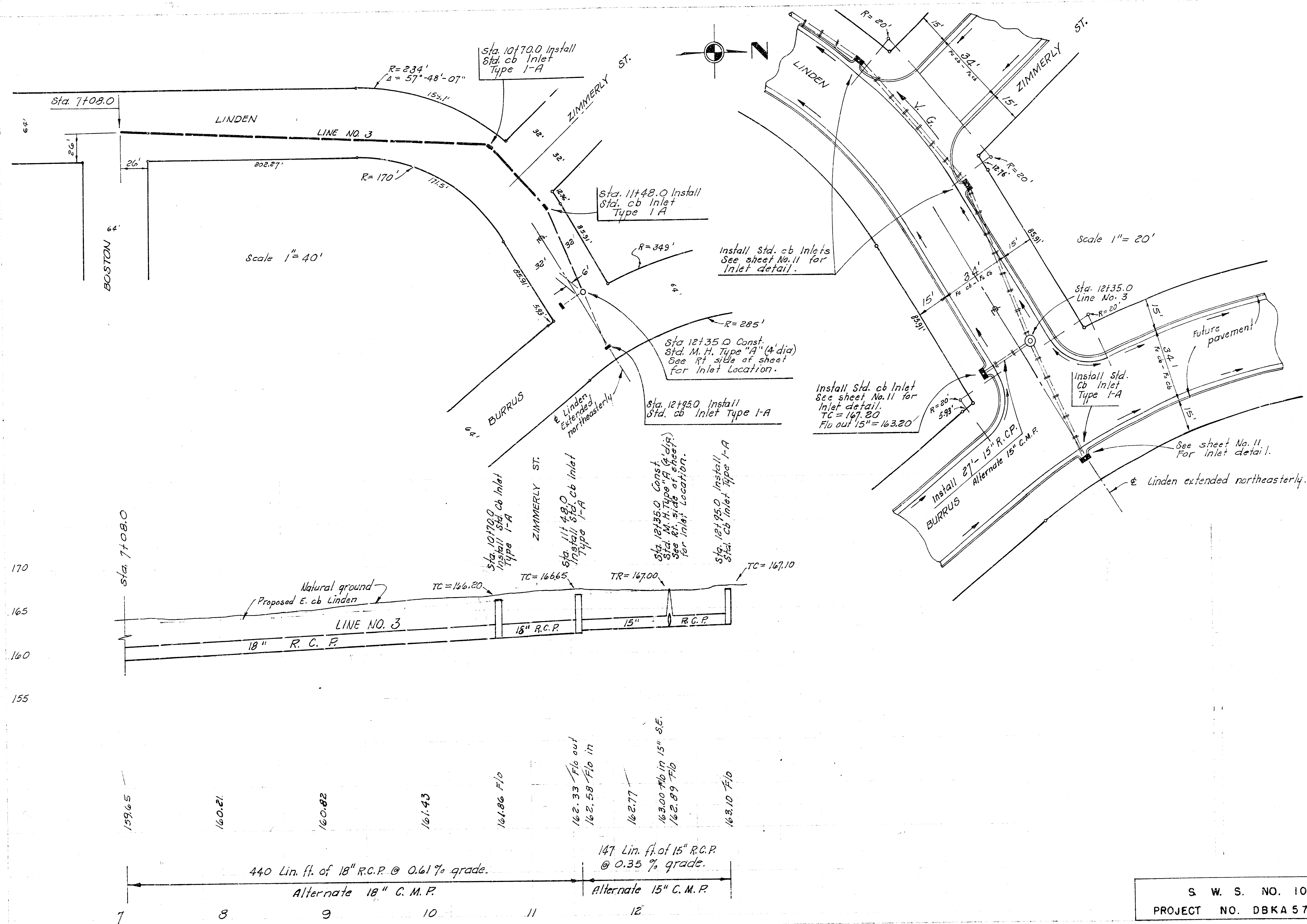
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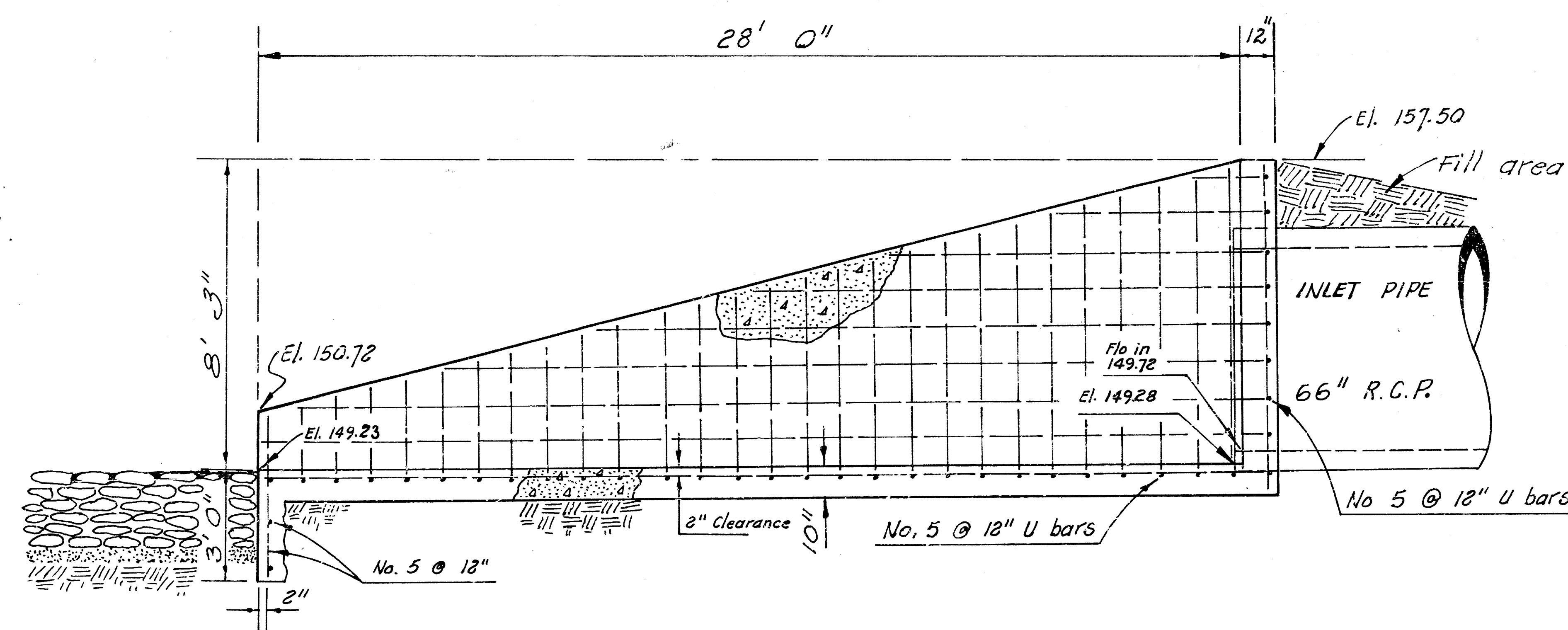
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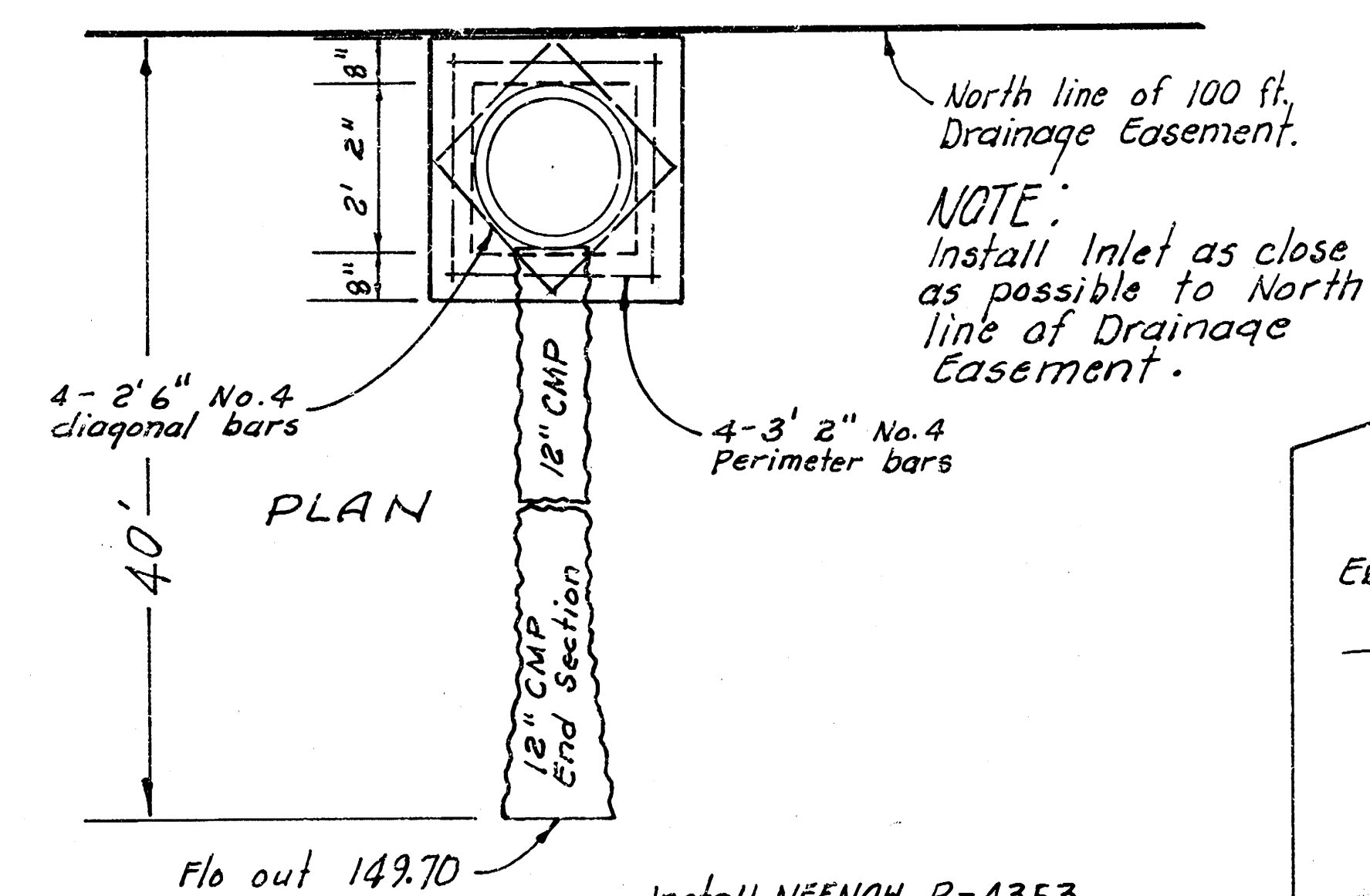




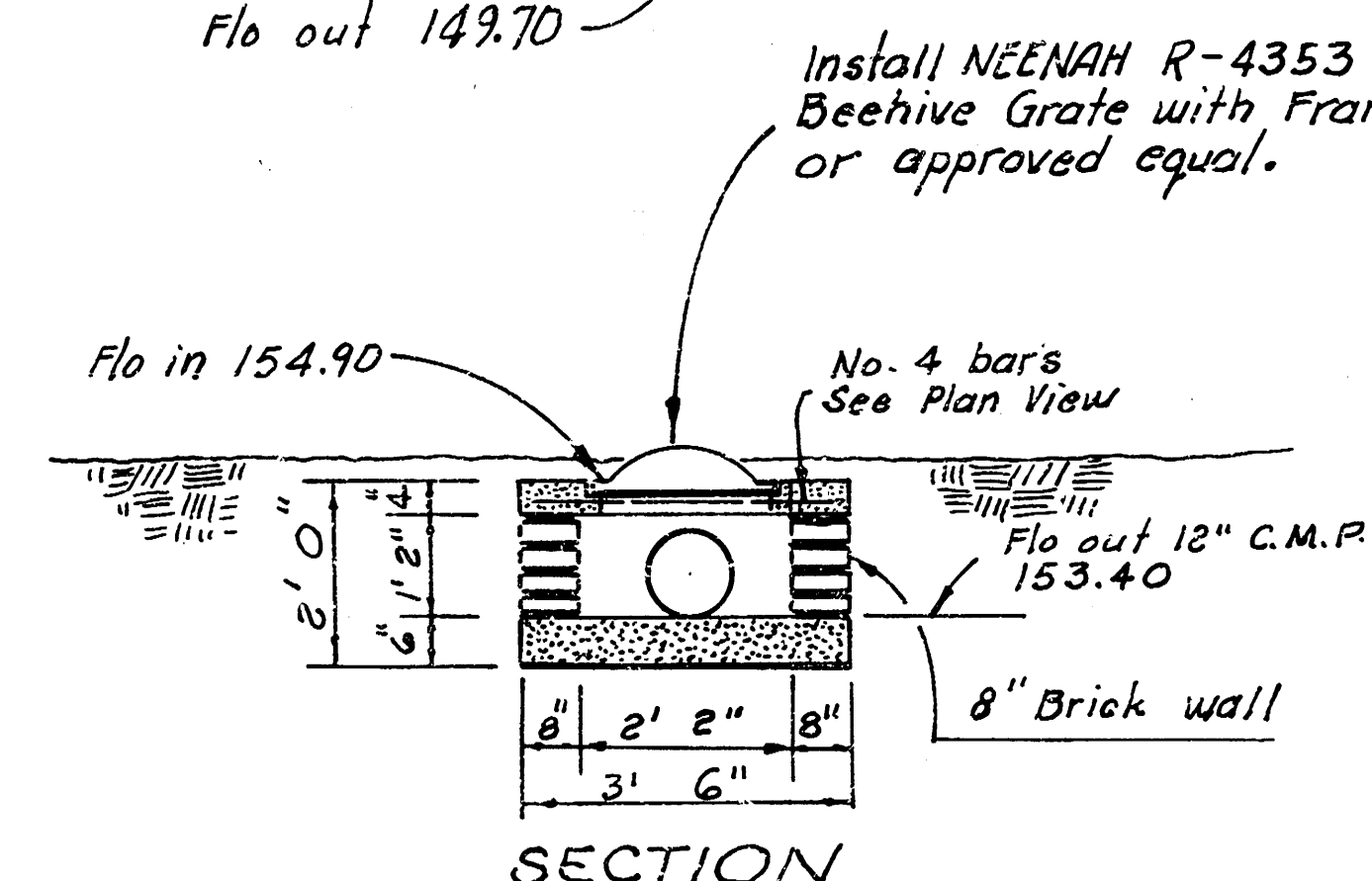
Sta. 0+71 to Sta. 1+00
Line No. 1 Sheet No. 2
Scale $\frac{3}{8}" = 1' 0"$

Diagram illustrating the cross-section of a rock toe repair. The diagram shows a cross-section of a rock toe repair. The repair consists of a 24" Riprap layer on top of a 6" Bedding layer. The rock toe is shown as a triangular shape with a 2' 0" base and a 4' 0" height. The riprap layer is 8' 0" wide at the top. The bedding layer is 6" thick. The rock toe is shown as a triangular shape with a 2' 0" base and a 4' 0" height. The riprap layer is 8' 0" wide at the top. The bedding layer is 6" thick. The rock toe is shown as a triangular shape with a 2' 0" base and a 4' 0" height. The riprap layer is 8' 0" wide at the top. The bedding layer is 6" thick.

No Scale

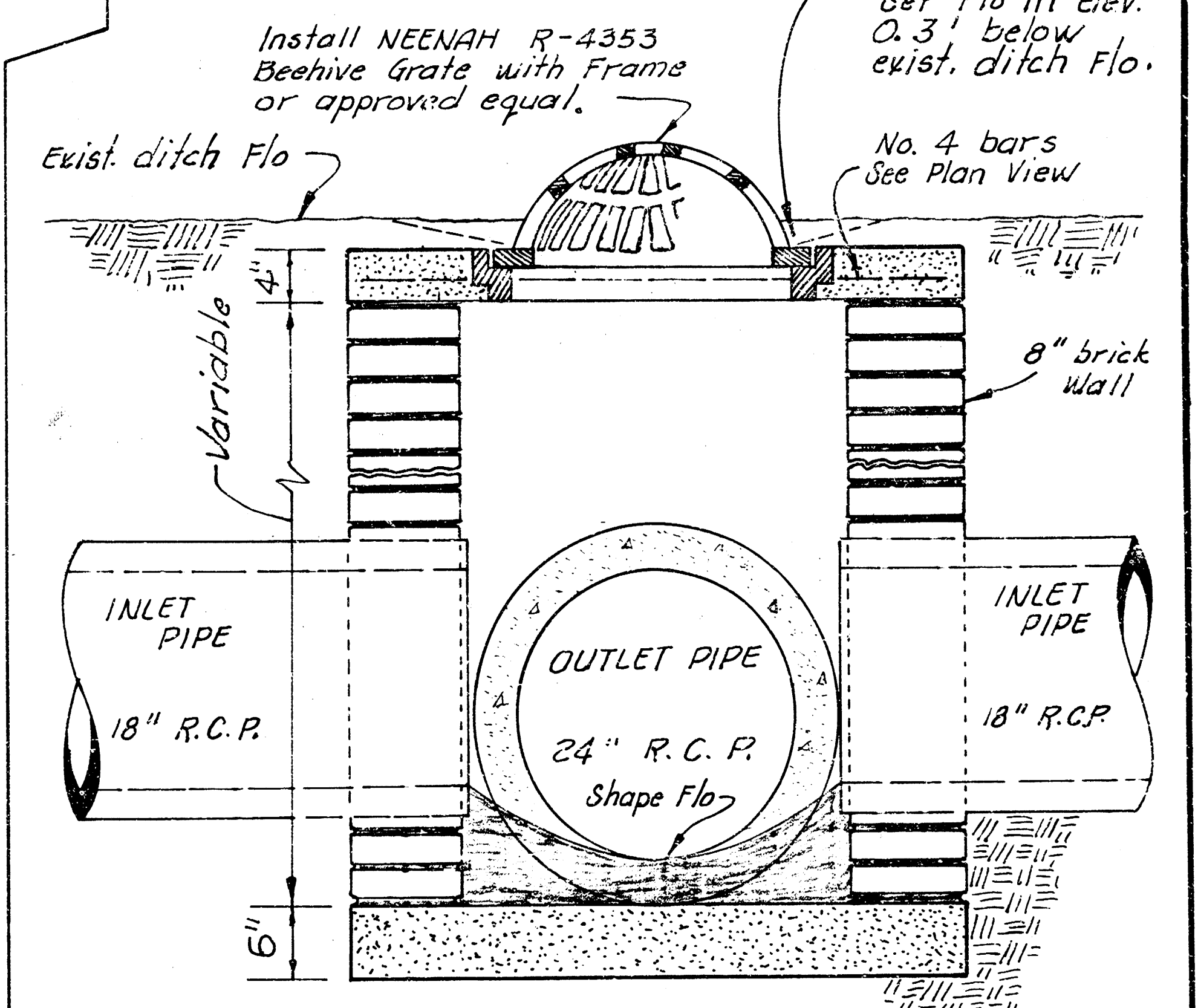


scale $\frac{3}{8}'' = 1' 0''$

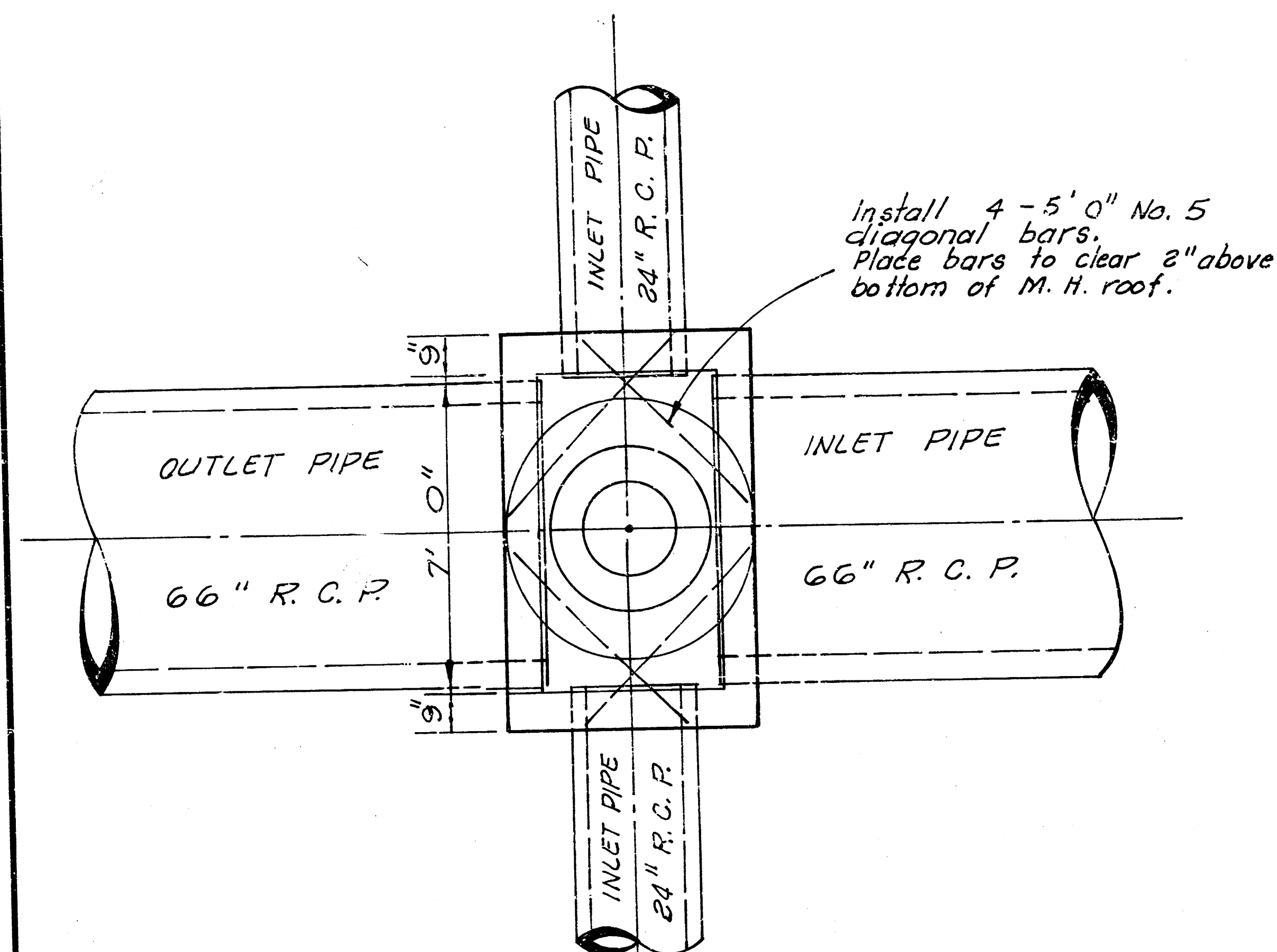


PLAN

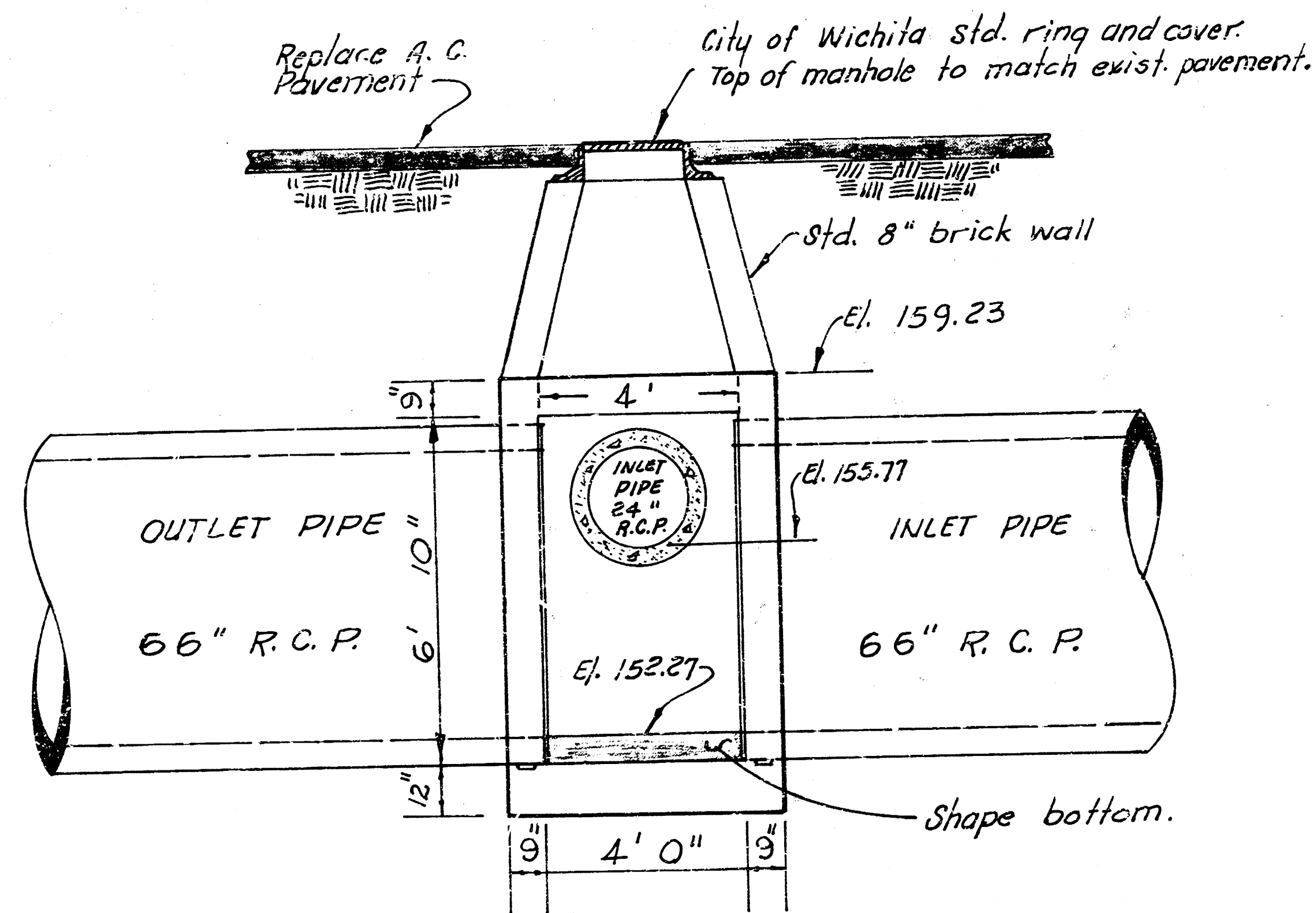
NOTE:
Set Flo in Elev.
0.3' below
exist. ditch Flo.



Sta. 6+88.0 Line No. 1 Sheet No. 3
Sta. 14+83.9 Line No. 1 Sheet No. 3
Sta. 18+20.0 Line No. 1 Sheet No. 3
Sta. 25+05.0 Line No. 1 Sheet No. 4
Scale 1" = 1' 0"

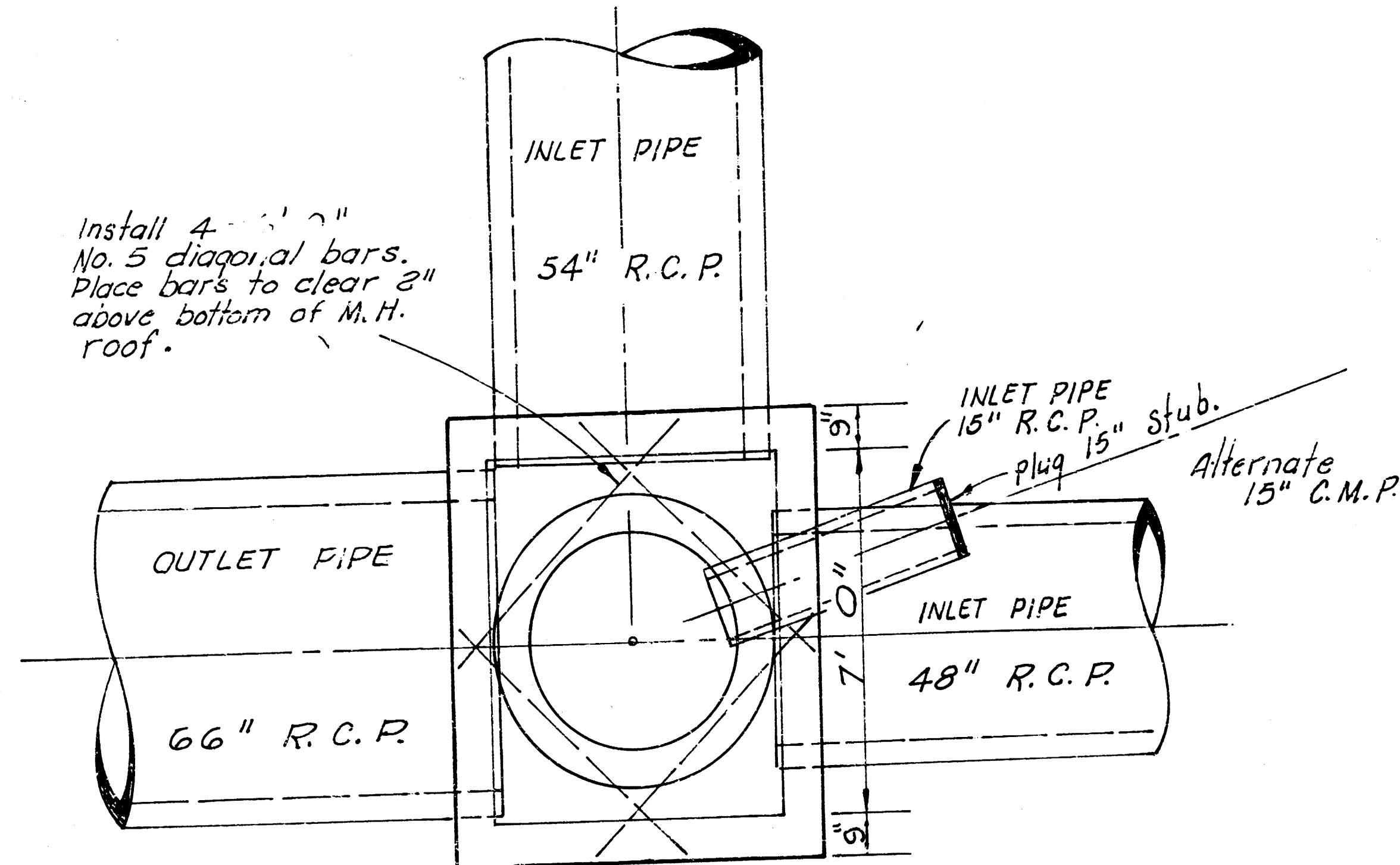


PLAN SECTION THRU WALLS
Sta. 6+88.0
LINE NO. 1
Sheet No. 2

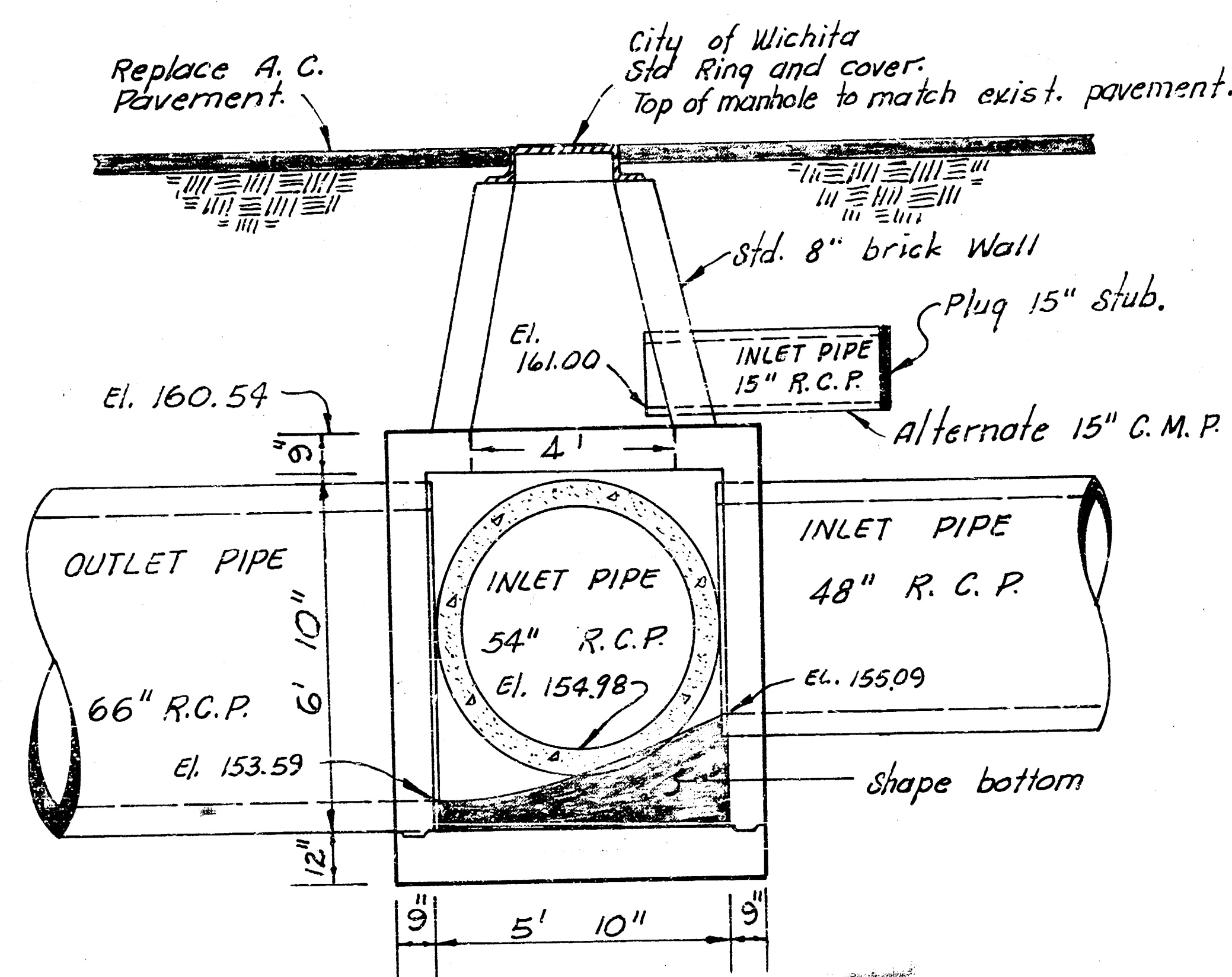


STD. REINF. CONC. M. H.
TYPICAL ELEVATION SECTION
Sta. 6+88.0
LINE NO. 1
Scale 3/8" = 1'0"

NOTE: See sheet No. 9 for typical steel pattern.

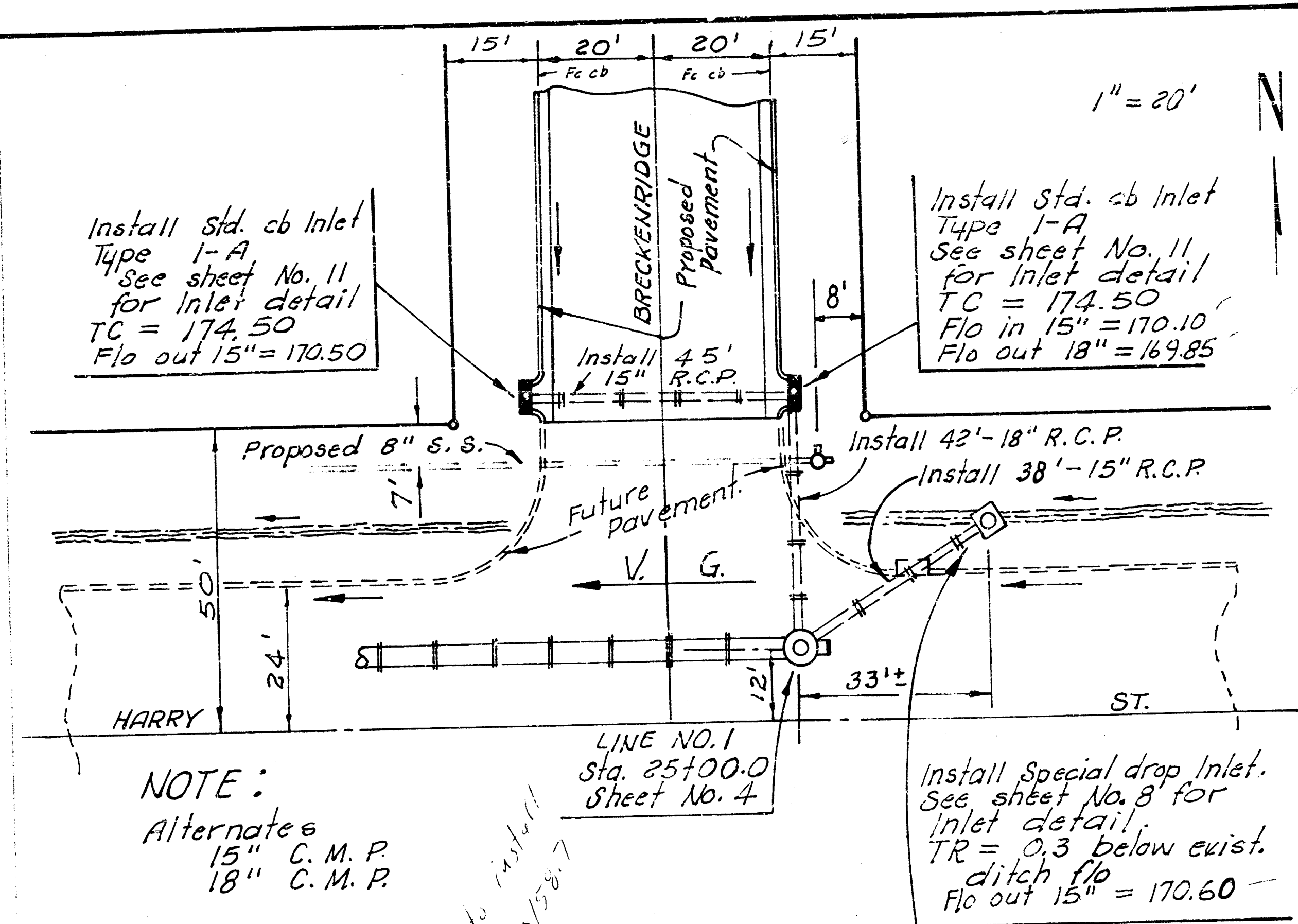


PLAN SECTION THRU WALLS
Sta. 11+14.4
LINE NO. 1
Sheet No. 2

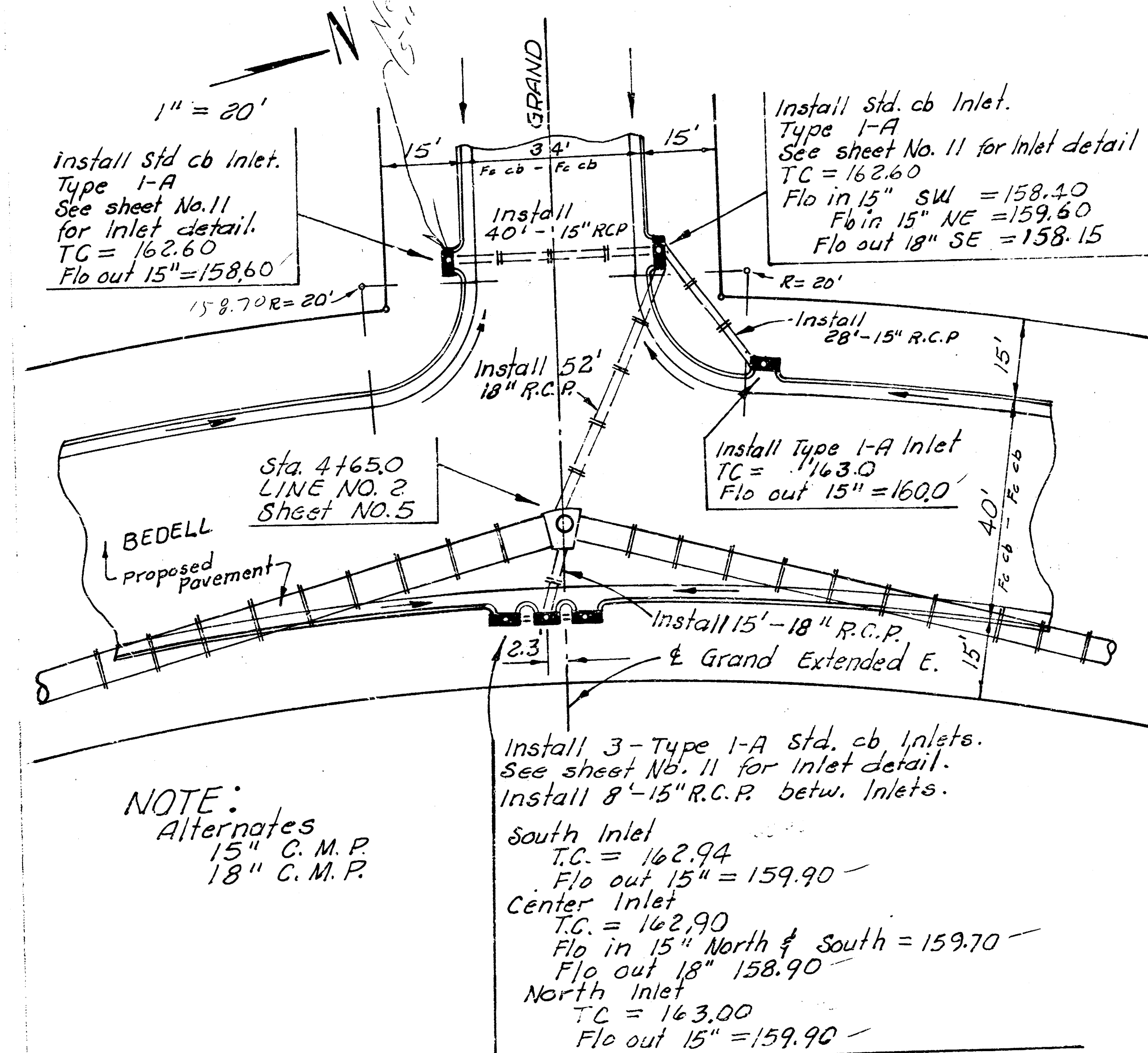


STD. REINF. CONC. M. H.
TYPICAL ELEVATION SECTION
Sta. 11+14.4
LINE NO. 1
Scale 3/8" = 1'0"

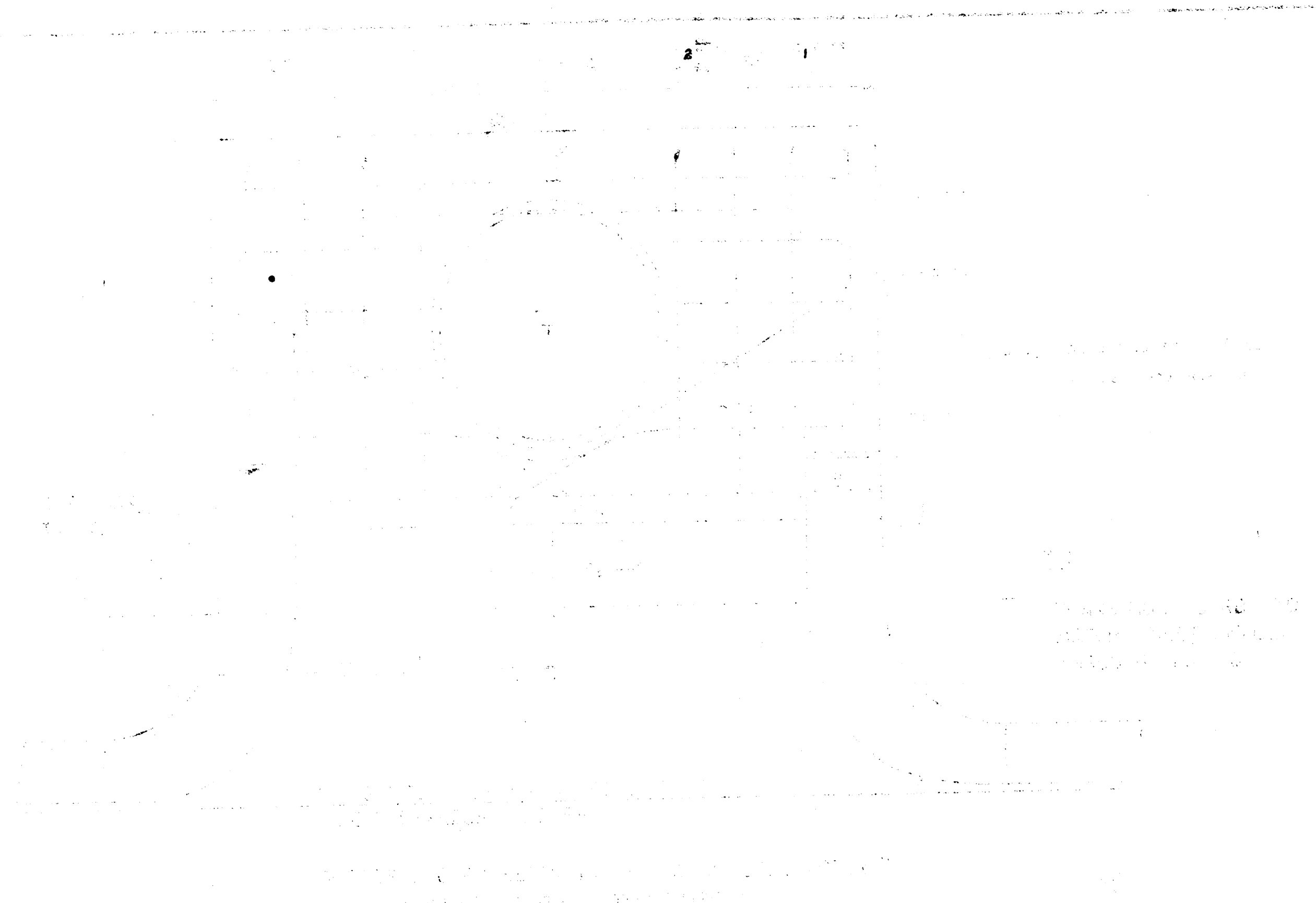
NOTE: See sheet No. 9 for typical steel pattern.



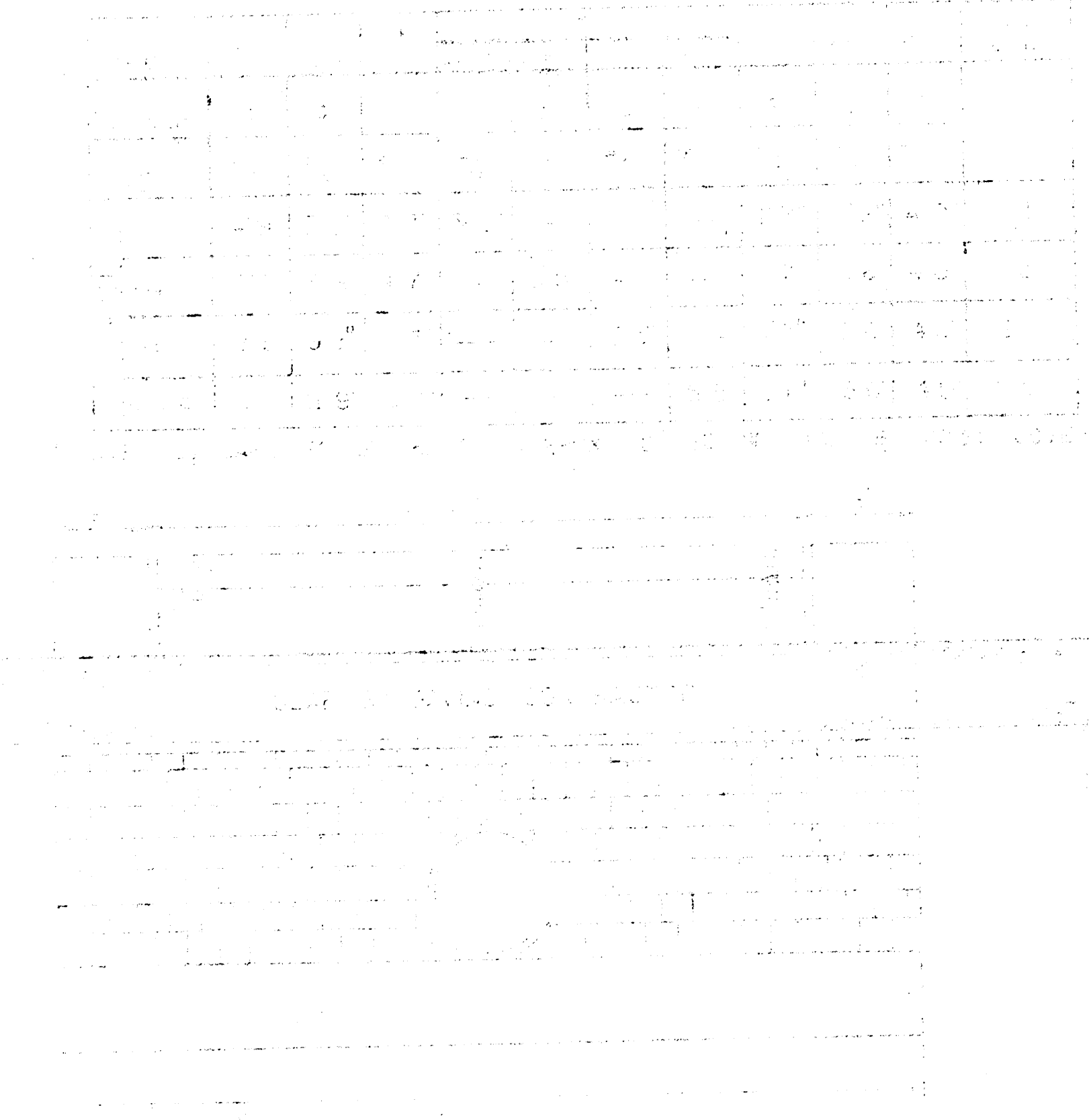
NOTE:
Alternates
15" C.M.P.
18" C.M.P.



NOTE:
Alternates
15" C.M.P.
18" C.M.P.

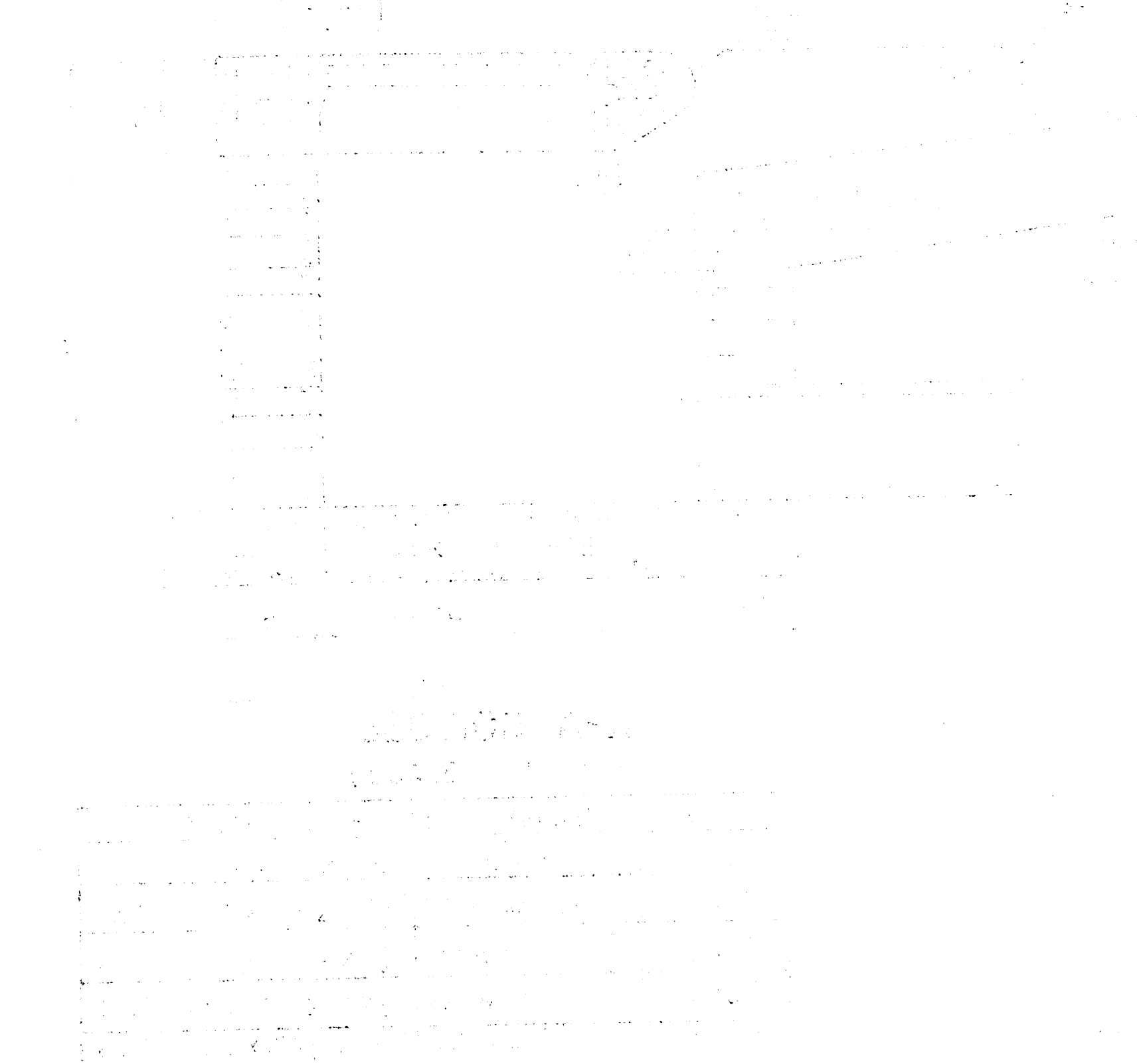


SECTION 2-2

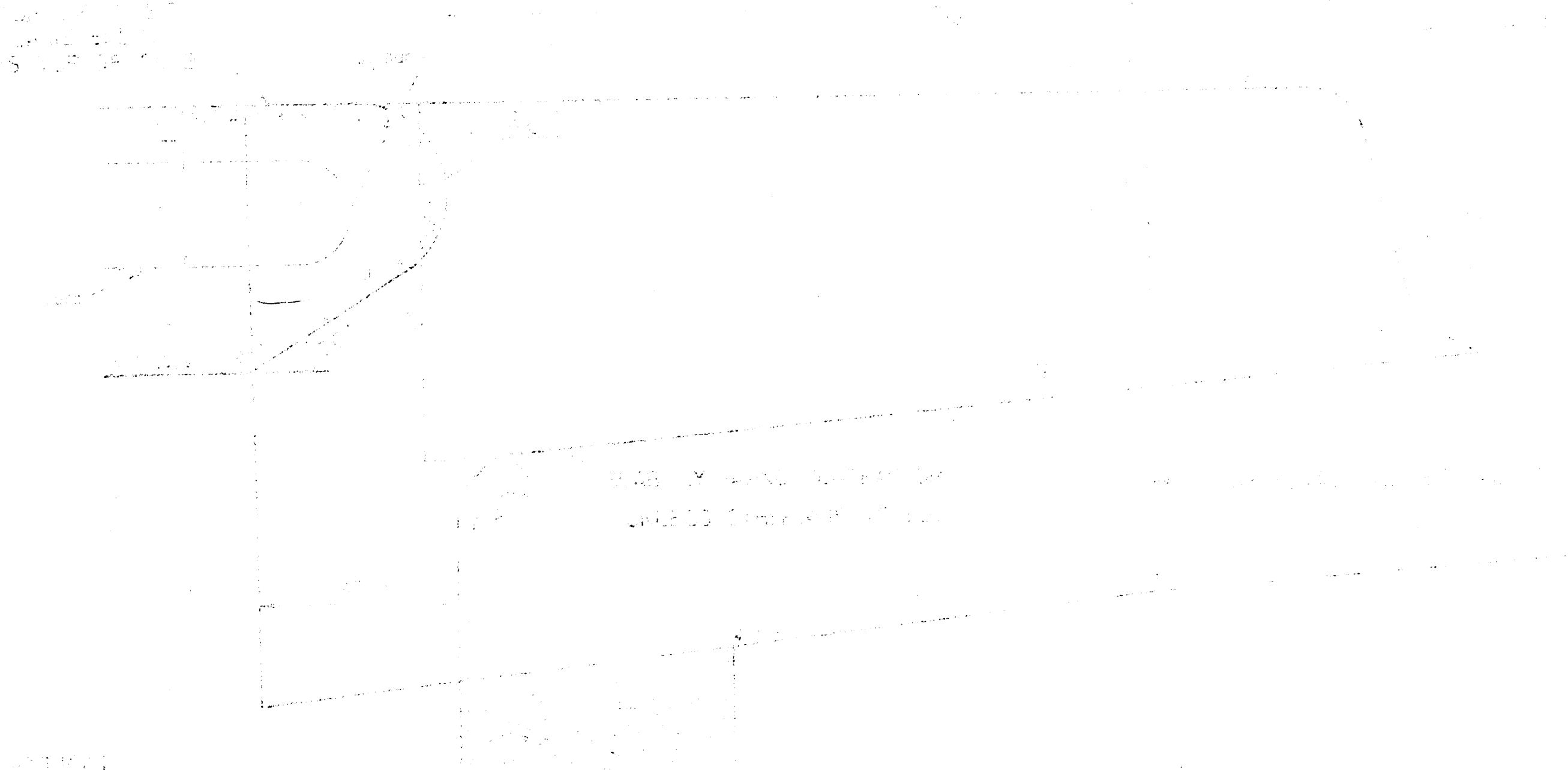


SECTION 2-3

ONLY THE WALL CONSTRUCTION
WALL CONSTRUCTION WITH THE LATER
REVISION OF THE WALL CONSTRUCTION
FOR FLOORING AND WALLING
IS SHOWN ON THE WALLING
DRAWING.

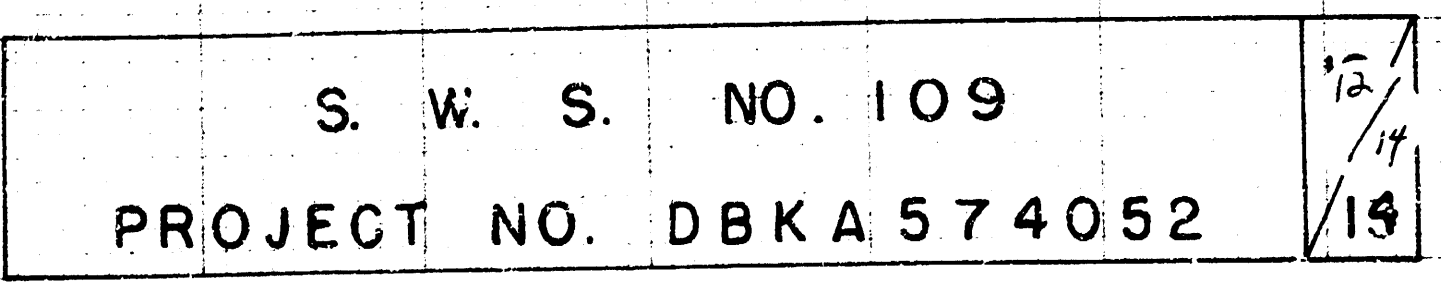


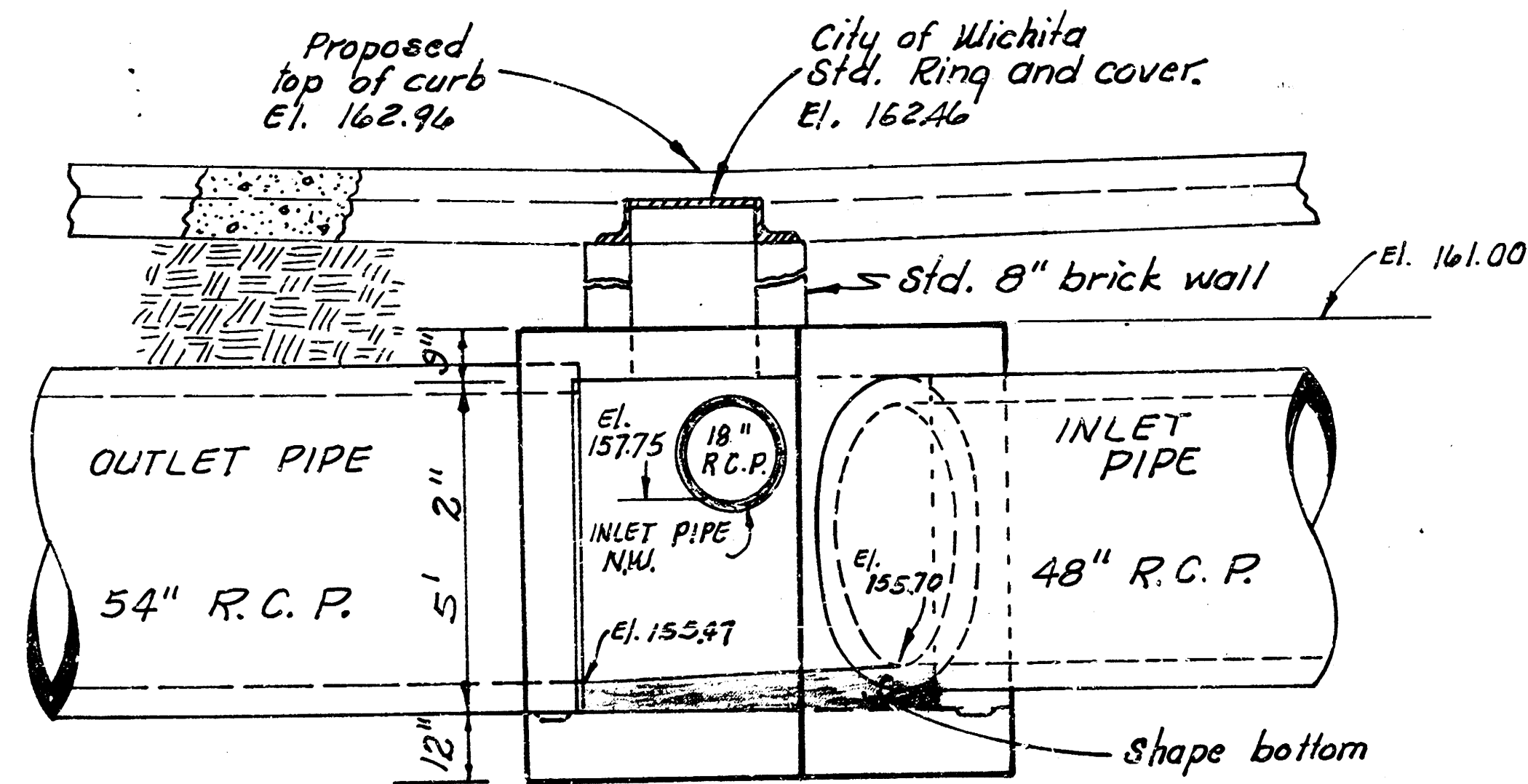
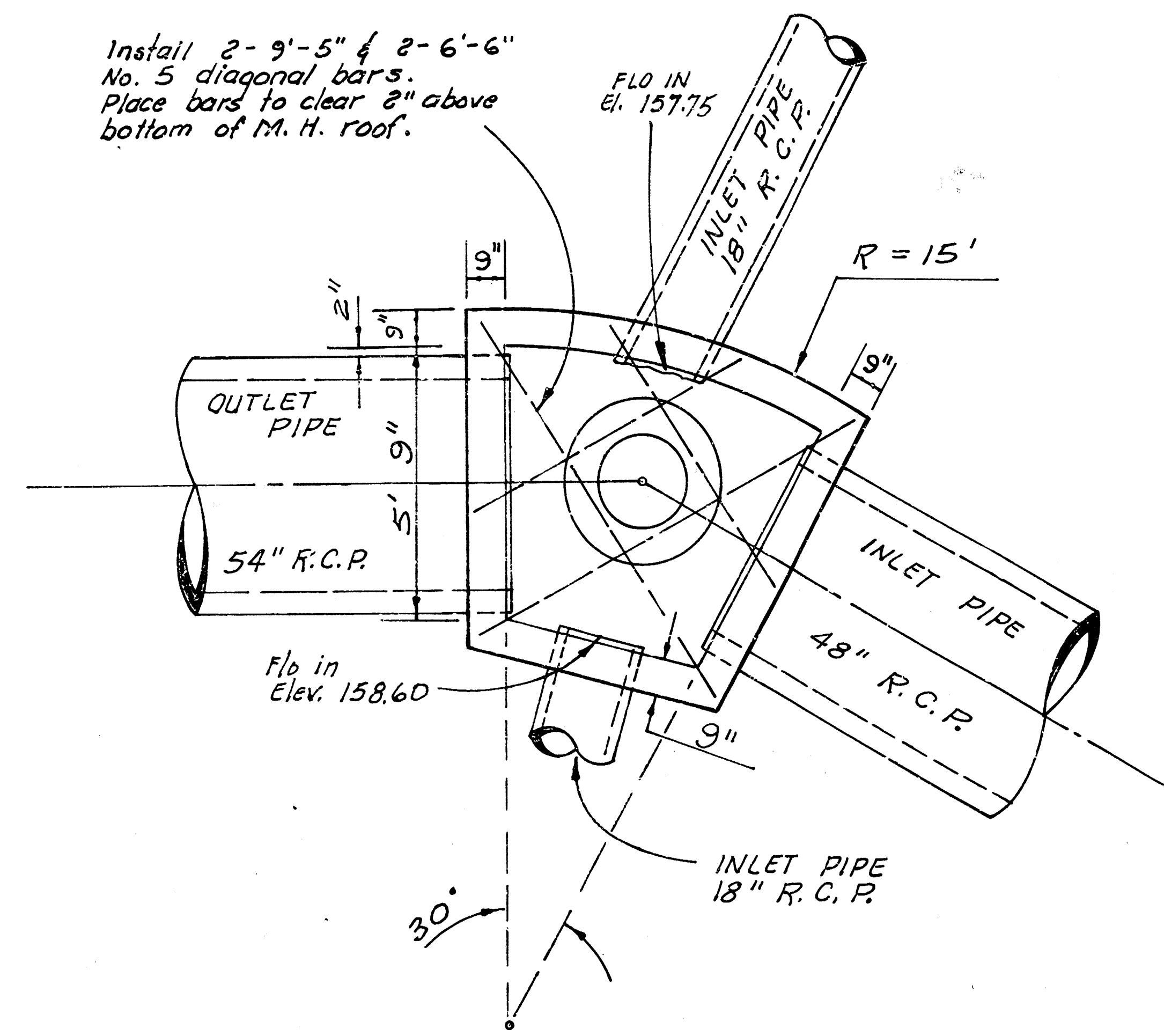
SECTION 2-4



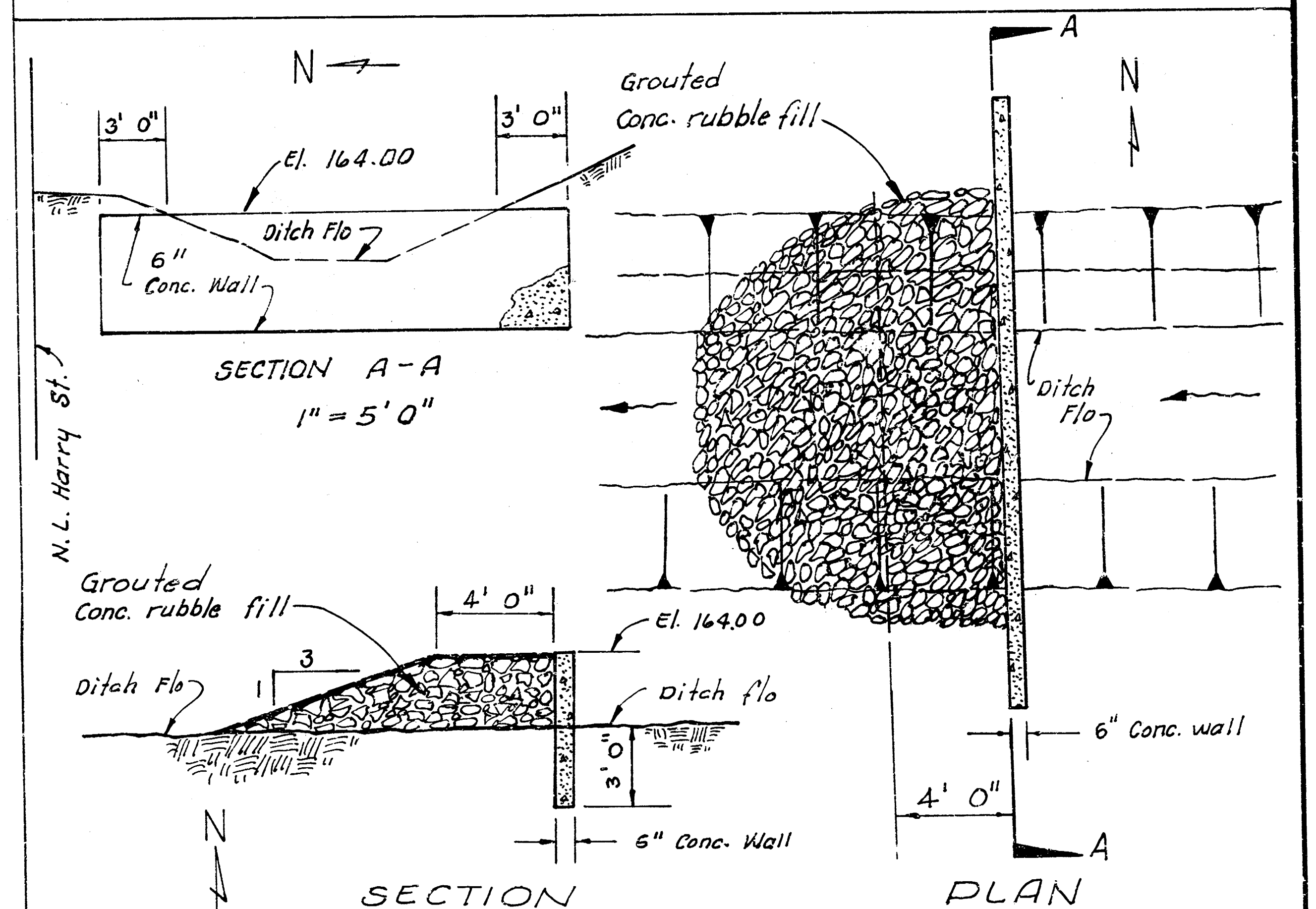
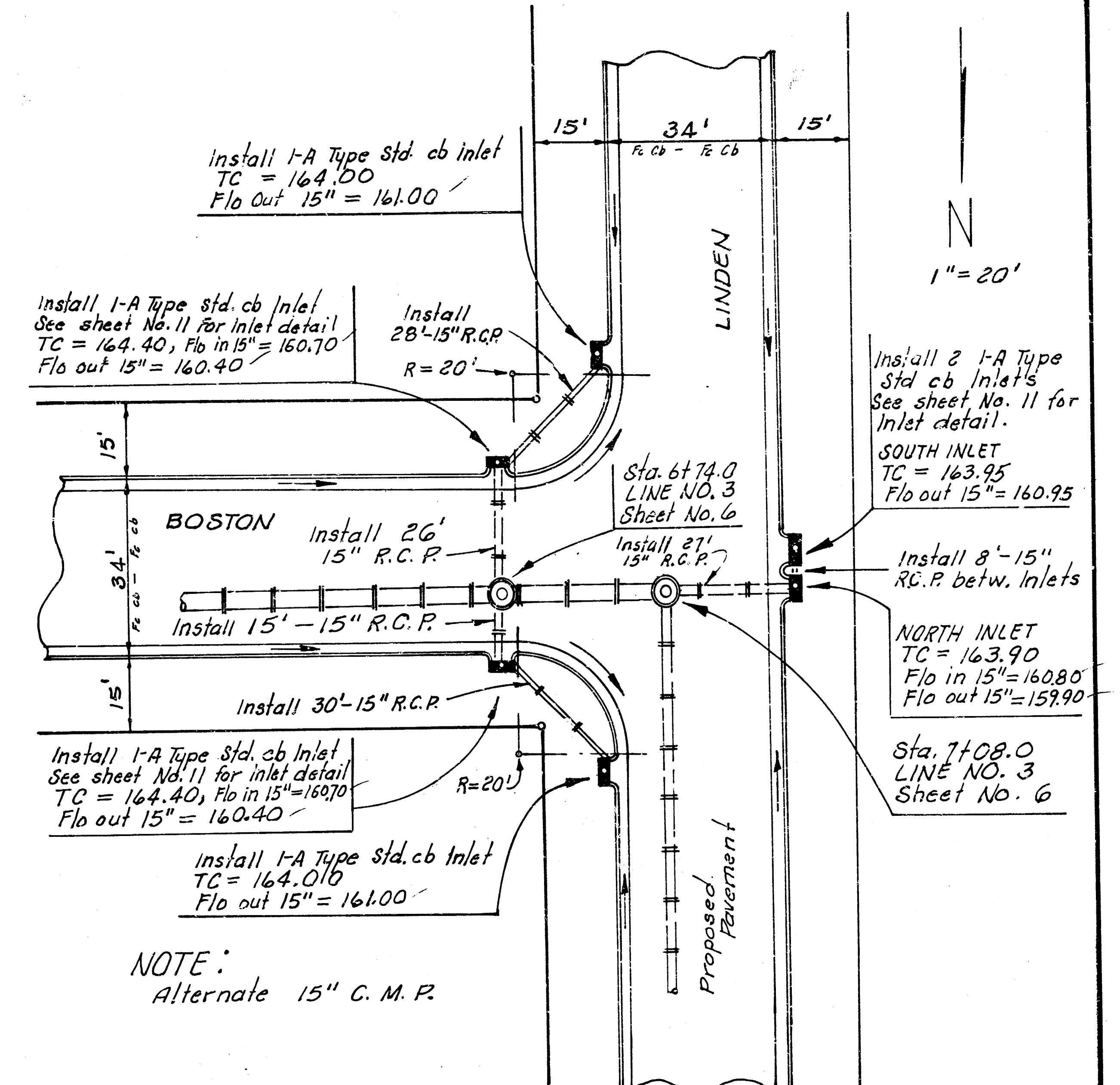
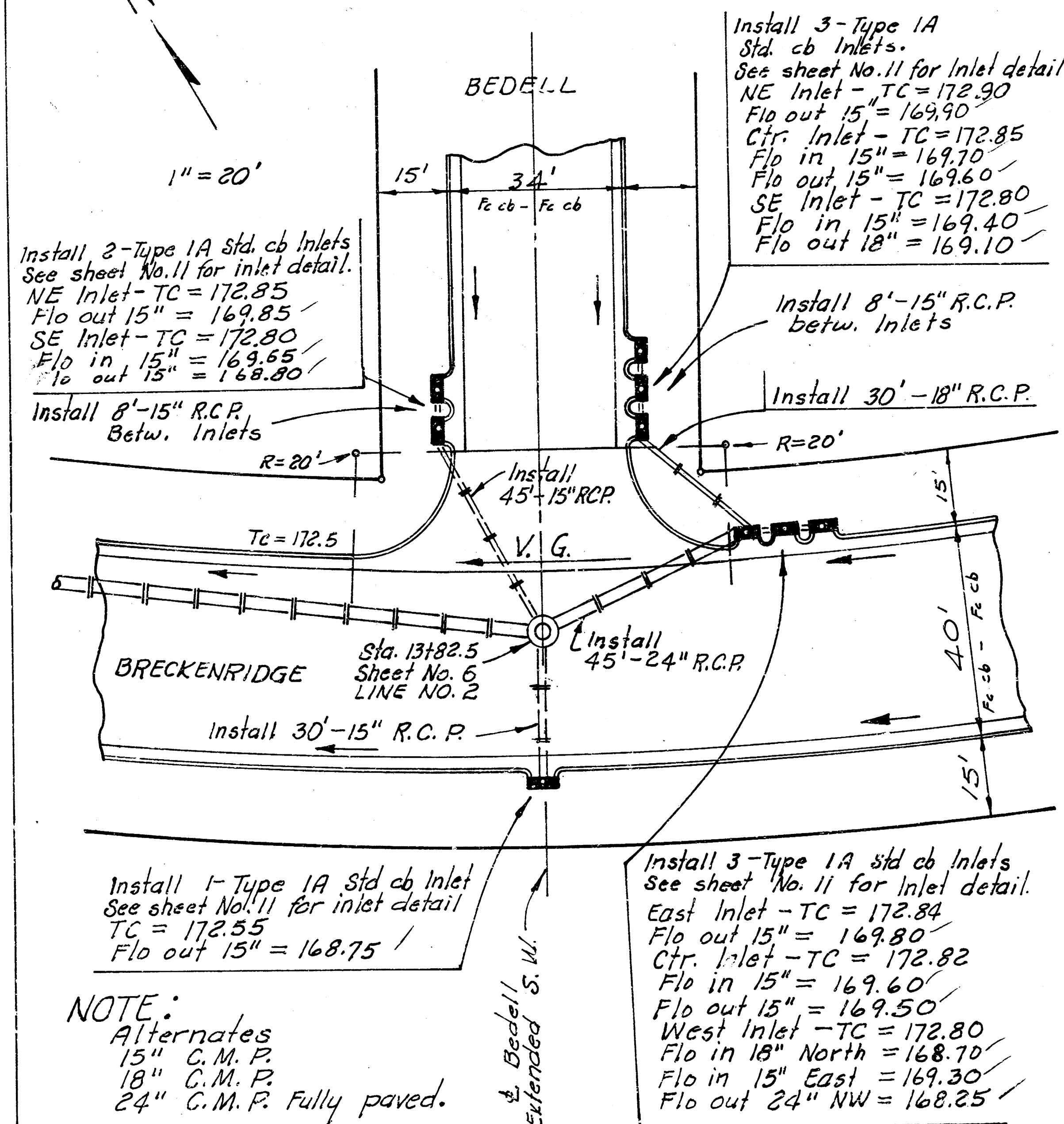
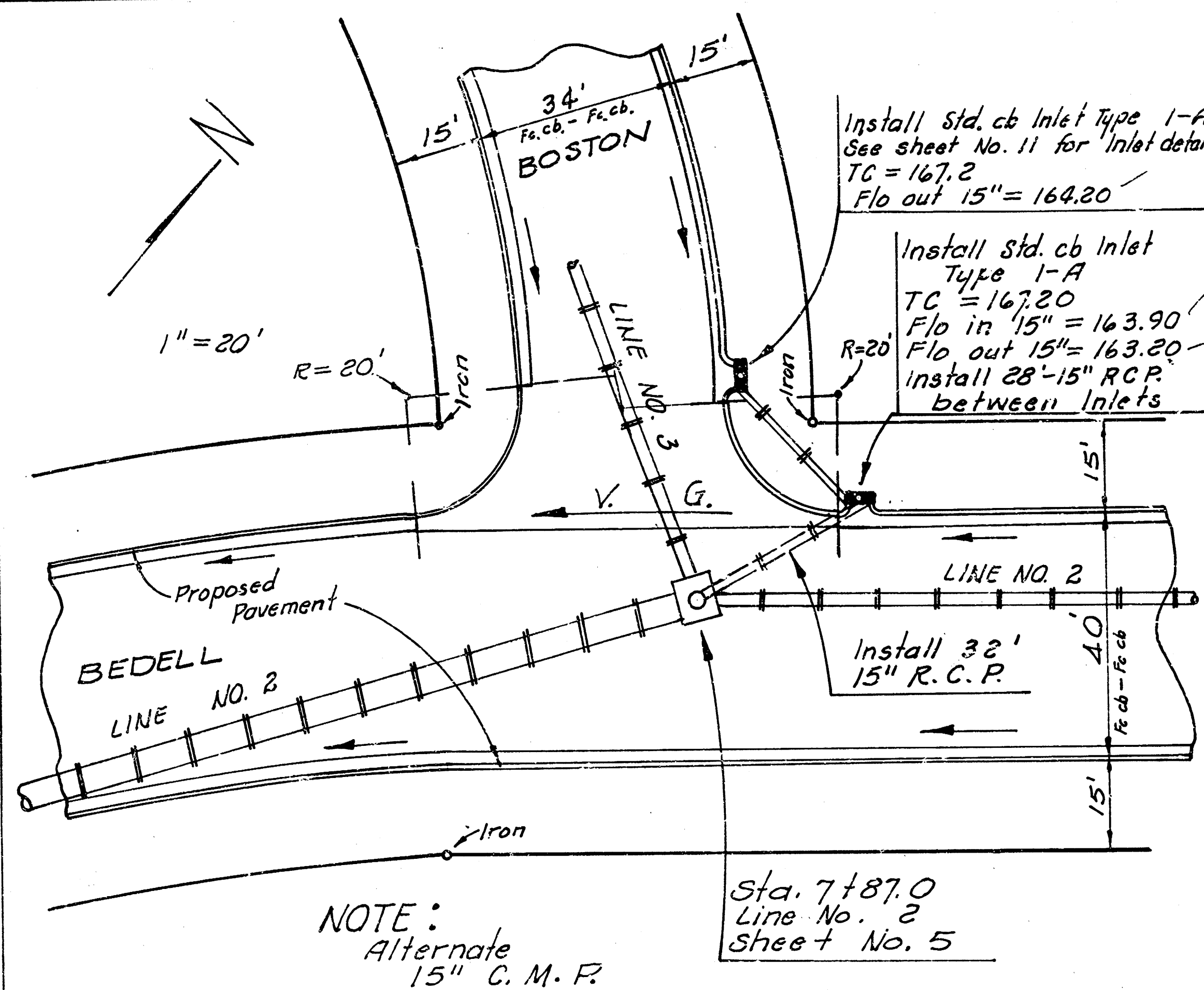
SECTION 2-5
WALL CONSTRUCTION
WALL CONSTRUCTION WITH THE LATER
REVISION OF THE WALL CONSTRUCTION
FOR FLOORING AND WALLING
IS SHOWN ON THE WALLING
DRAWING.

North Side



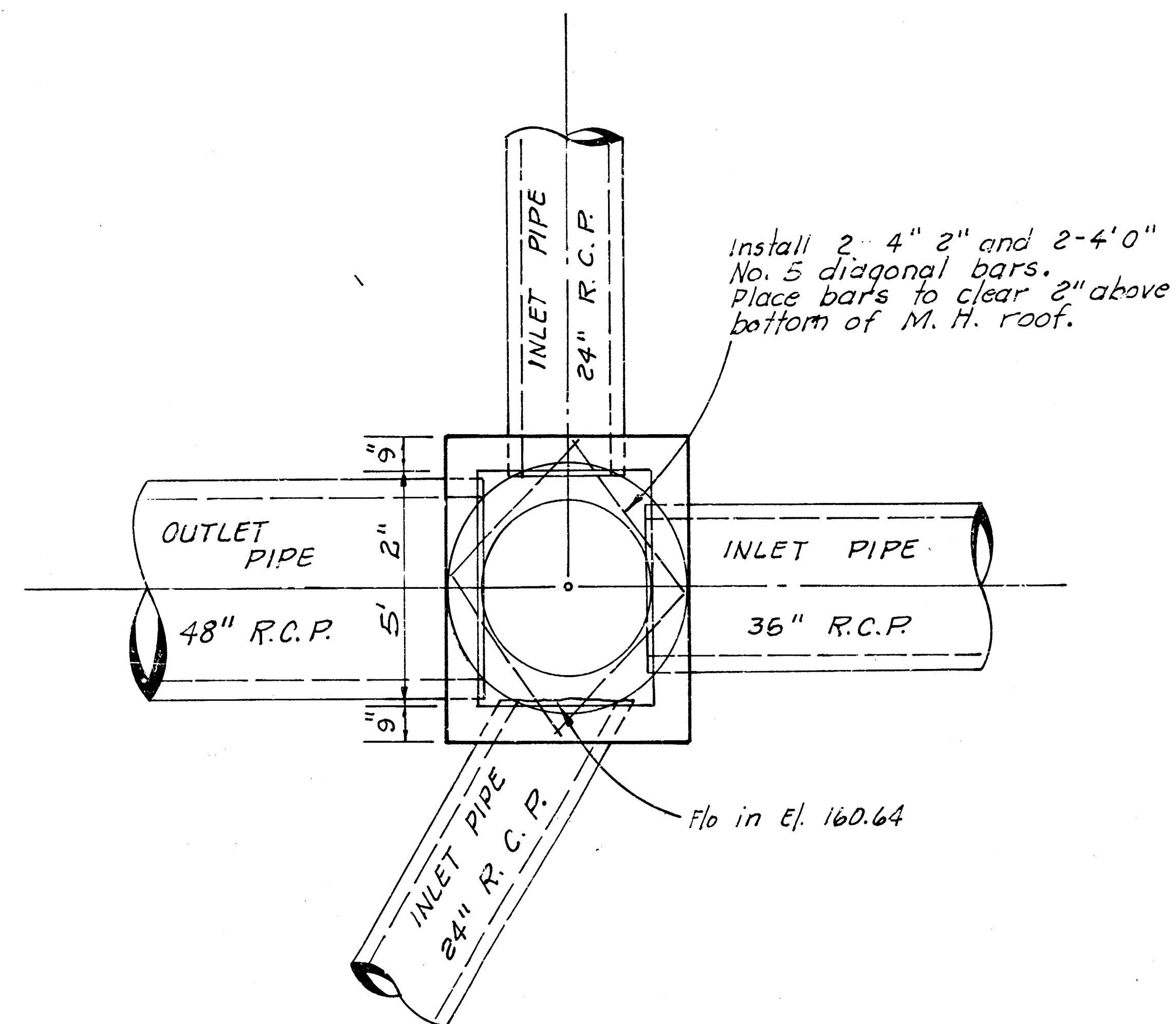


NOTE: See sheet No. 9 for Typical Steel pattern.

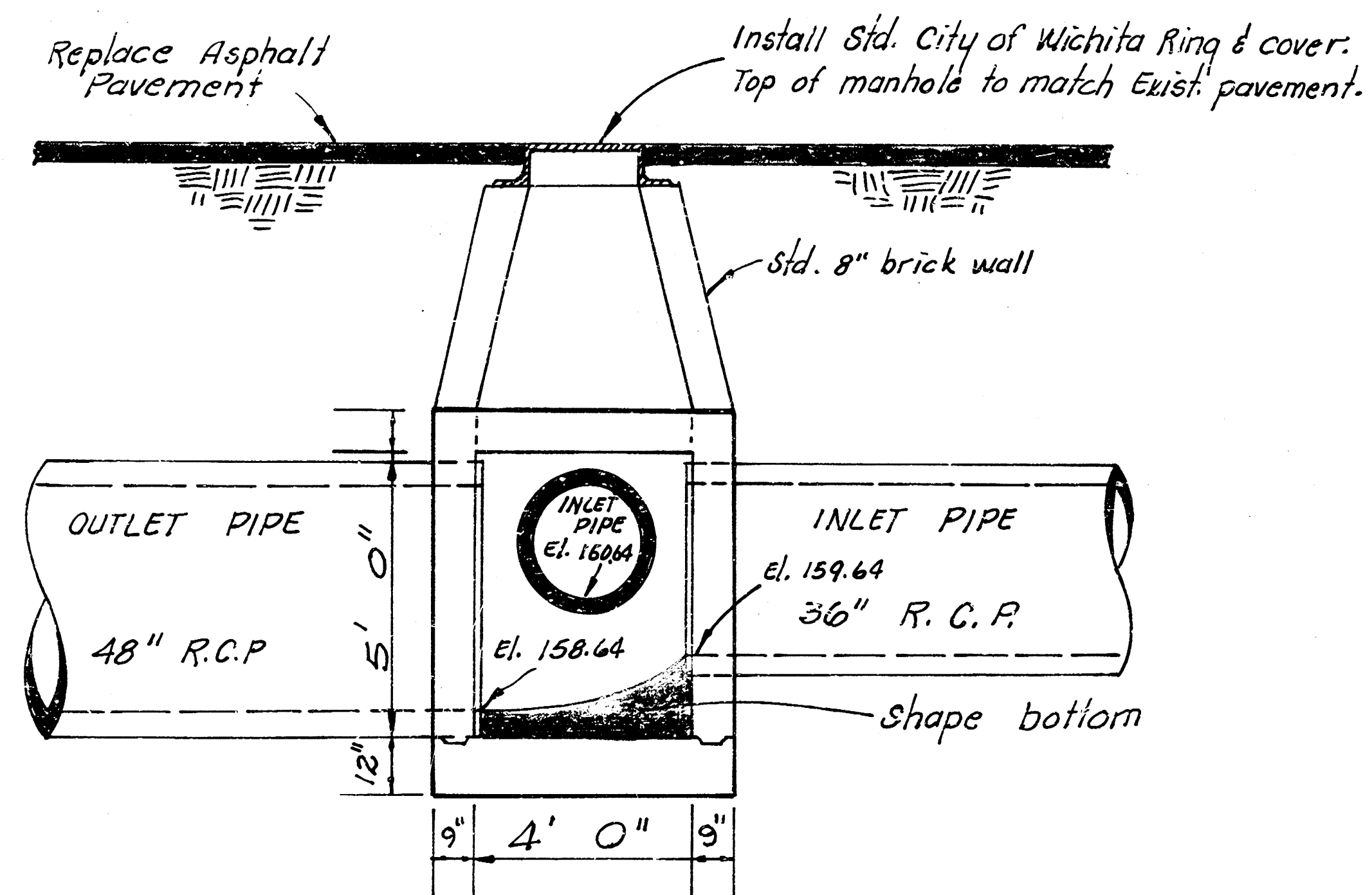


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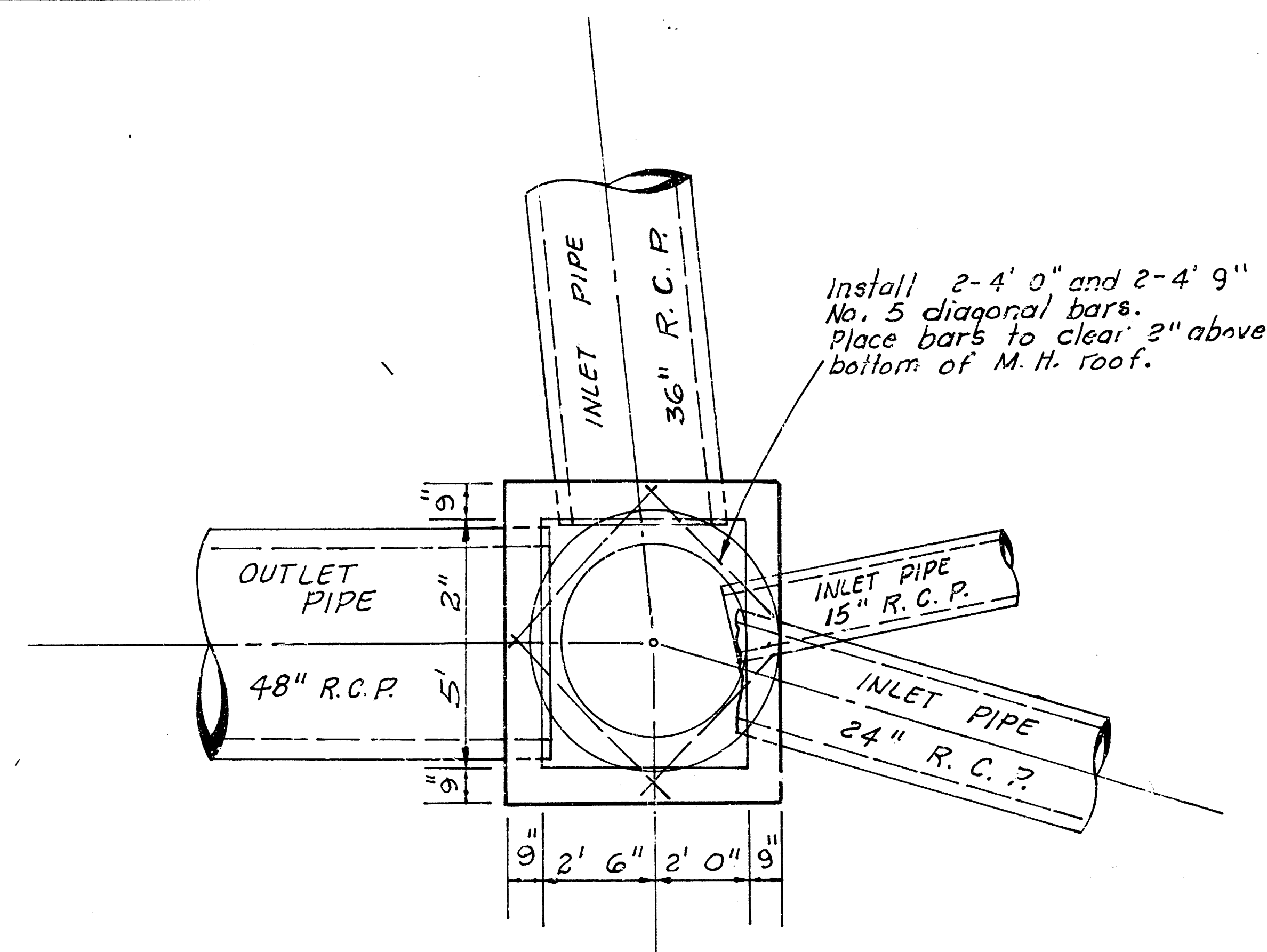


PLAN SECTION THRU WALLS
Sta. 14+83.9
LINE NO. 1
Sheet No. 3

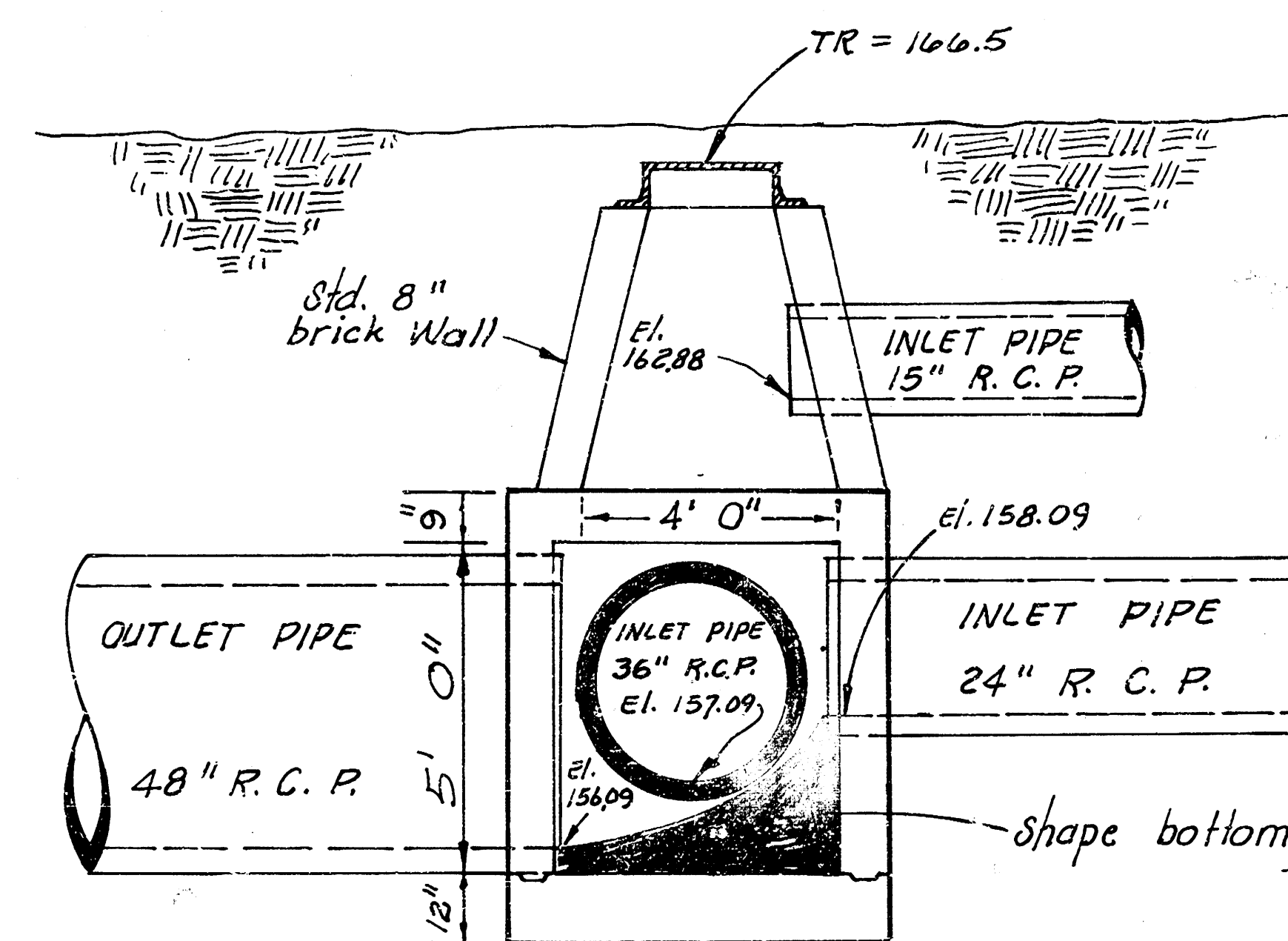


STD. REINF. CONC. M.H.
TYPICAL ELEVATION SECTION
Sta. 14+83.9
LINE NO. 1
Sheet No. 3
Scale $\frac{3}{8}$ " = 1' 0"

NOTE: See sheet No. 9 for
Typical Steel pattern.



PLAN SECTION THRU WALLS
Sta. 7+87.0
LINE NO. 2
Sheet No. 5



STD. REINF. CONC. M.H.
TYPICAL ELEVATION SECTION
Sta. 7+87.0
LINE NO. 2
Sheet No. 5
Scale $\frac{3}{8}$ " = 1' 0"