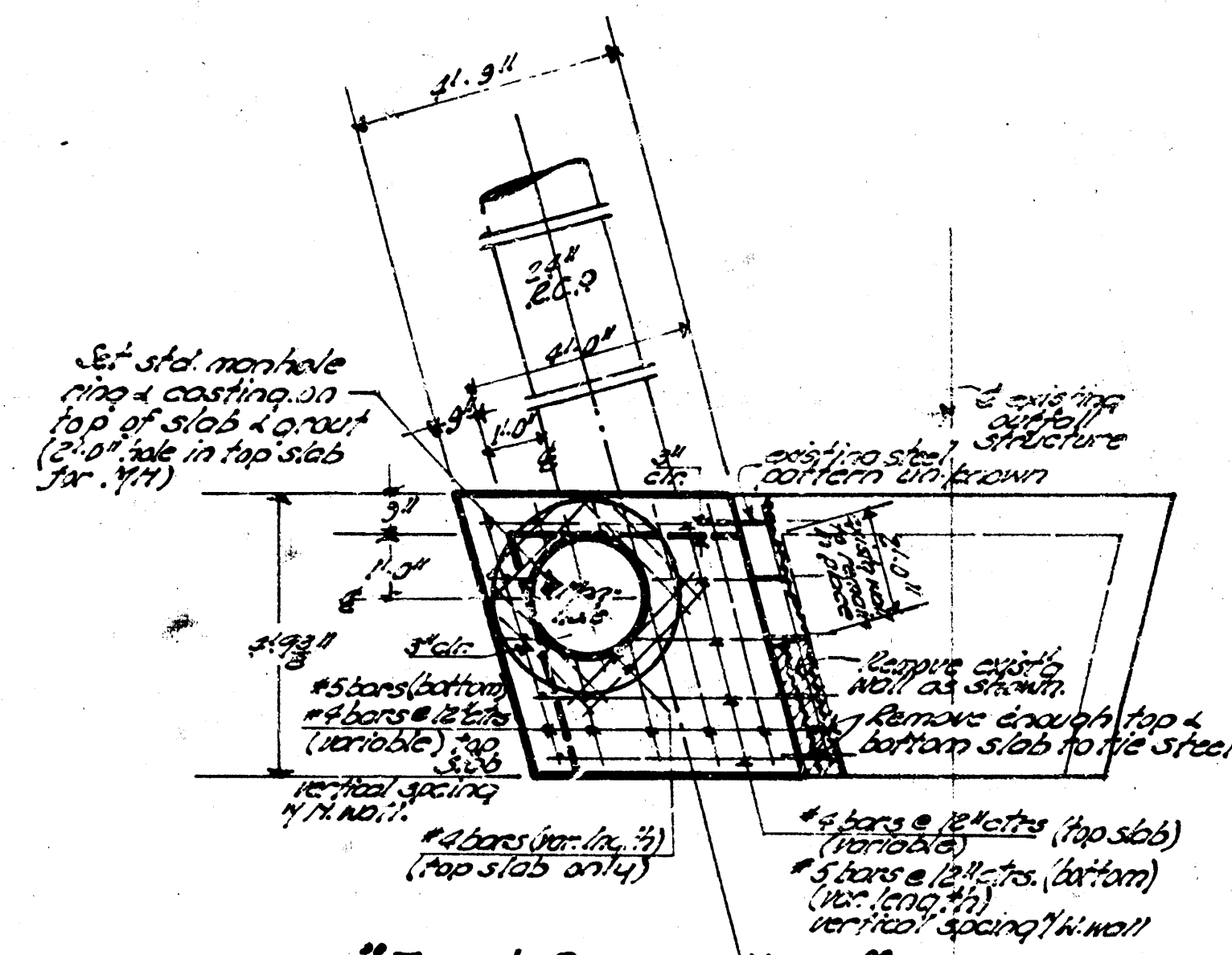
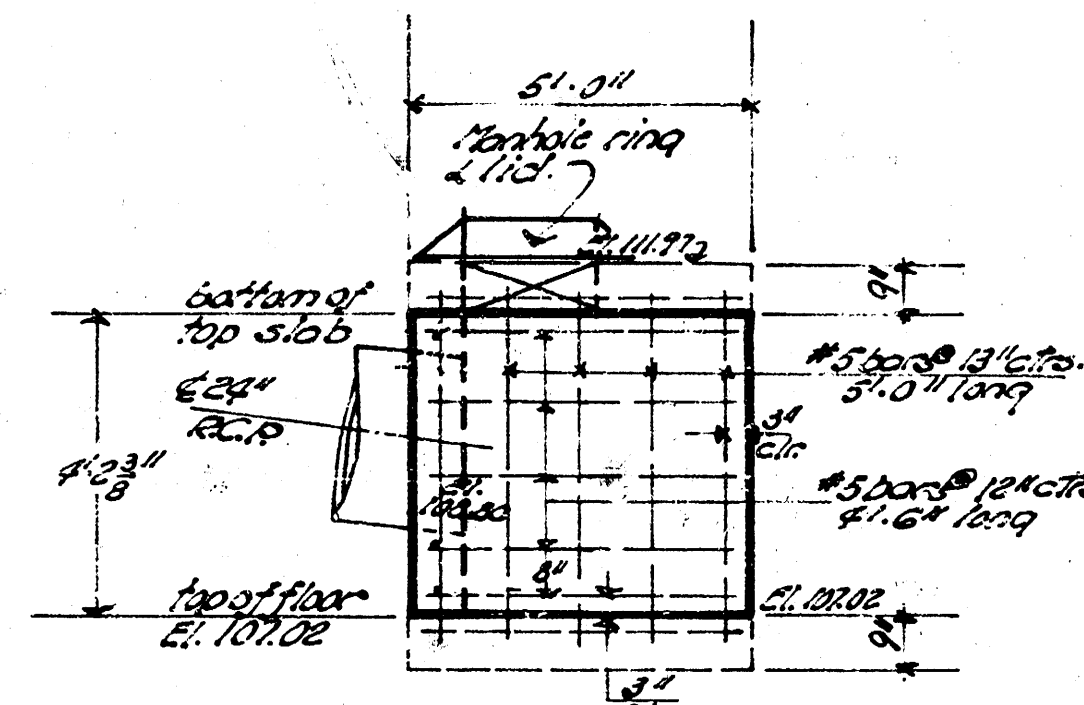


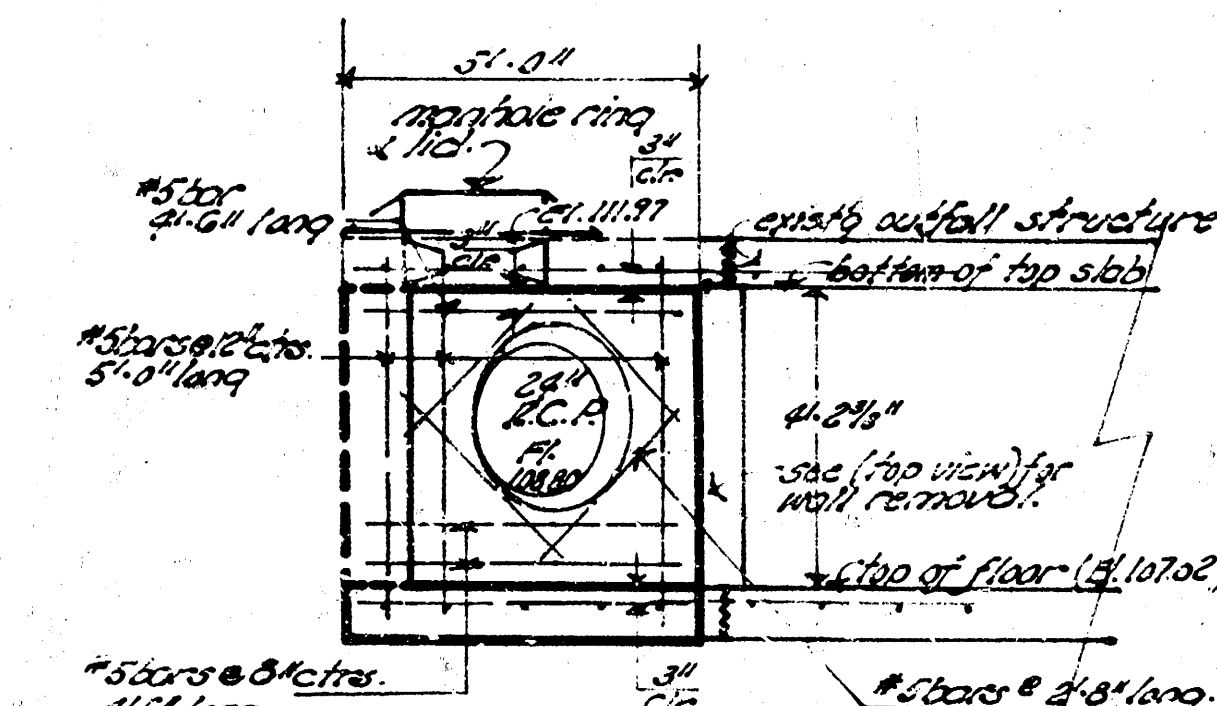
3.17.10.14 R.P. Spillway as Imp. Lock 4 free on 32' car. 10th.  
 1. Steelway 10' high prop. as 10'.



"TOP & BOTTOM VIEW"

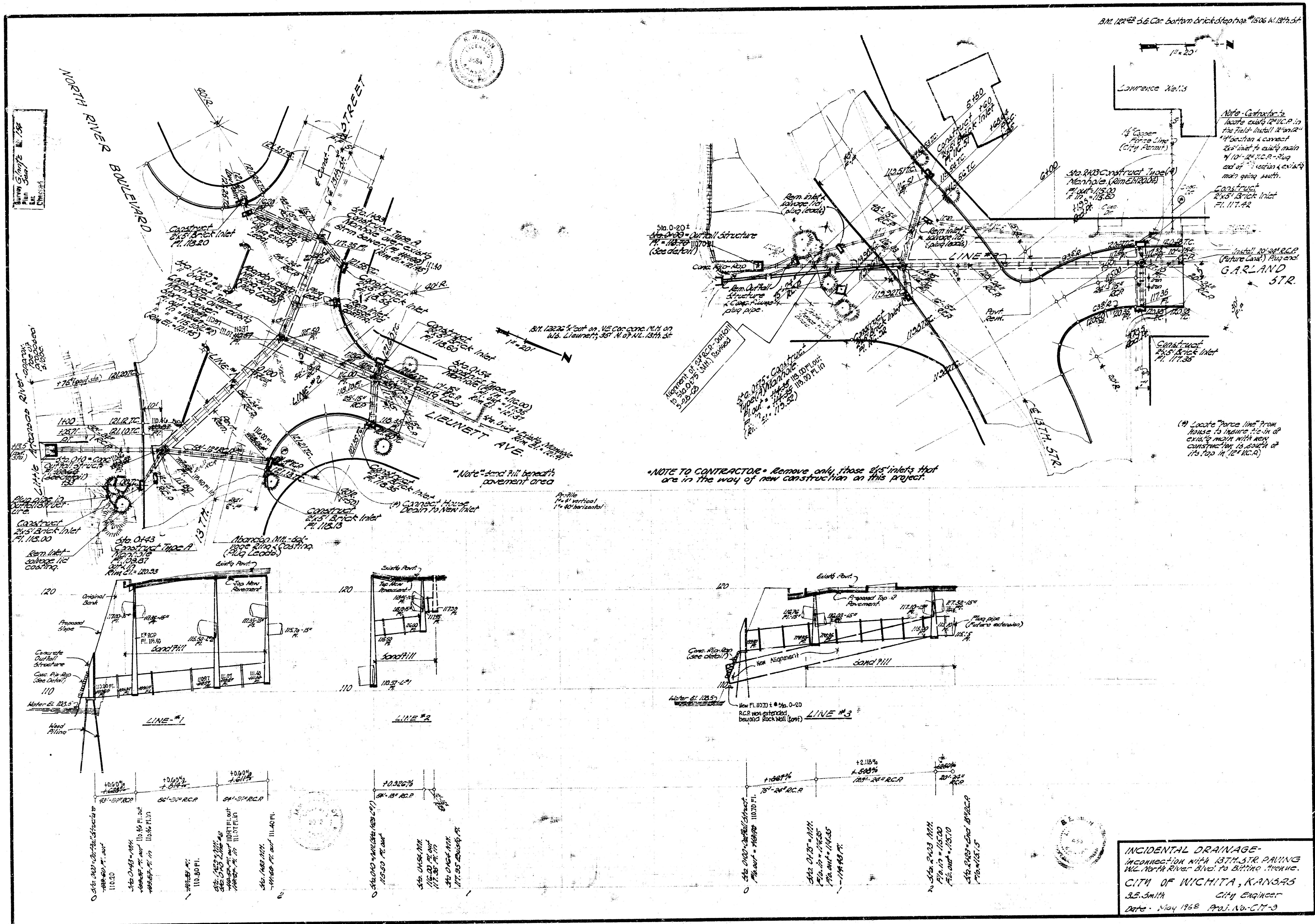


"Wall Section"



"Hardwall Section"

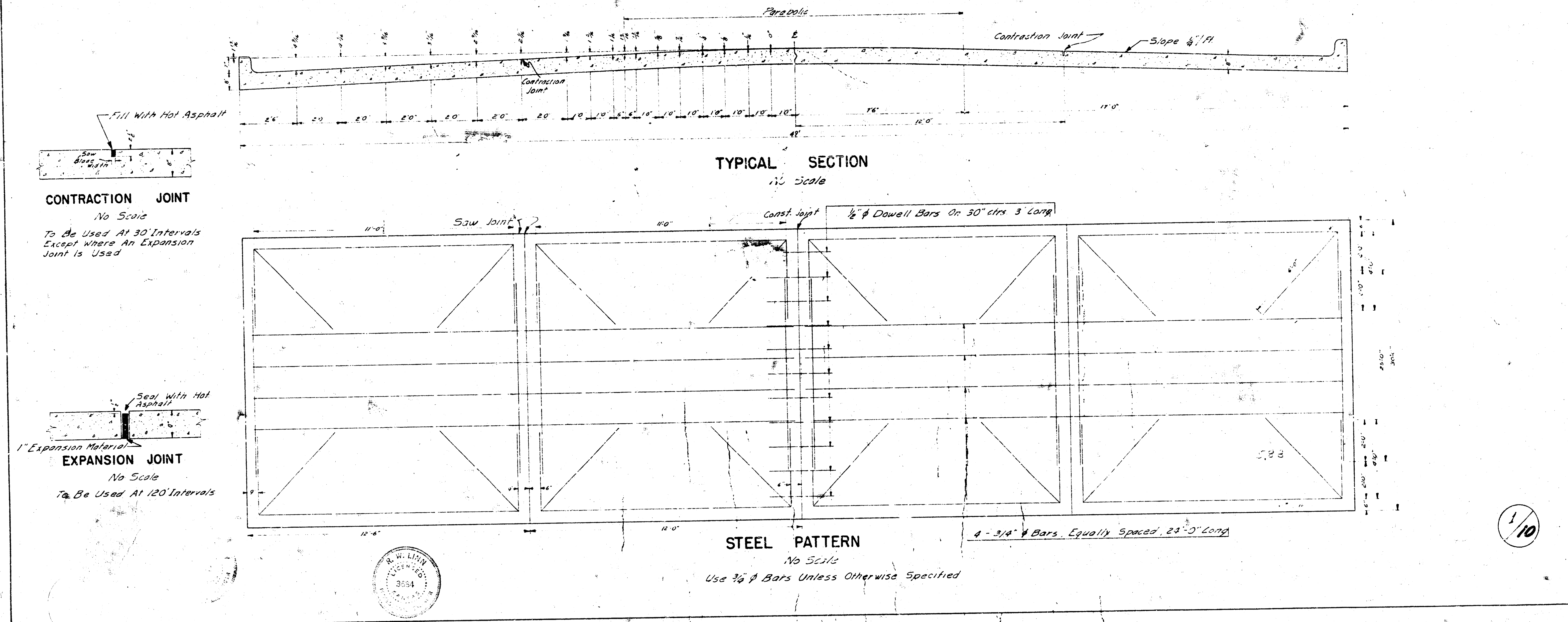
"REVISED OUTFALL STRUCTURE"  
 for (Line #4) Incidental Drainage to  
 13TH STREET - Over Boulevard to Biting St.  
 Revised 5-29-68







**THIRTEENTH STREET**  
**W.L. RIVER BOULEVARD TO W.L. BITTING AVENUE**  
**PROJECT No. C17-9**



**Intersection 13<sup>th</sup> & W. L. River**  
 #1 - 4' W of 13<sup>th</sup> & W. L. River 13<sup>th</sup> & 4' W UCL & W. L. River  
 Top 8" CIP = 115.10  
 Bot 8" CIP = 114.40  
 E 15" RCP = 114.45  
 Bot 15" RCP = 114.25  
 Top 15" RCP = 115.90

**Conflict - Lower 1'-6"**

#2 - 11' S of 13<sup>th</sup> & 4' W UCL W. L. River S.  
 Top 8" CIP = 114.65  
 Bot 8" CIP = 113.80  
 E 15" RCP = 114.20  
 Bot 15" RCP = 114.30  
 Top 15" RCP = 115.65

**Conflict - Lower 1'-0"**

**or**

**Replace with 8" c/c with 15"**

#3 - 1' NCL 13<sup>th</sup> & 2' E WCL W. L. River  
 Top 8" CIP = 115.30  
 Bot 8" CIP = 114.65  
 E 15" RCP = 114.65  
 Bot 15" RCP = 114.65

**OK**

**Intersection 13<sup>th</sup> & Solina**  
 #1 - 21' W of 13<sup>th</sup> & Solina 13<sup>th</sup> & 21' W UCL & Solina  
 Top 8" CIP = 113.30  
 Bot 8" CIP = 112.50  
 E 15" RCP = 113.00  
 Bot 15" RCP = 112.75

**Conflict - Lower 1'-6"**

#2 - 3.5' E of 13<sup>th</sup> & Solina 13<sup>th</sup> & 3.5' E UCL & Solina  
 Top 8" CIP = 114.25  
 Bot 8" CIP = 113.50  
 E 15" RCP = 113.50  
 Bot 15" RCP = 113.25  
 Top 15" RCP = 115.00

**Conflict - Lower 1'-6"**

#3 - 21' W of 13<sup>th</sup> & Solina 13<sup>th</sup> & 21' W UCL & Solina  
 Top 8" CIP = 114.65  
 Bot 8" CIP = 113.80  
 E 15" RCP = 114.20  
 Bot 15" RCP = 114.30  
 Top 15" RCP = 115.65

**OK**

#4 - 21' W of 13<sup>th</sup> & Solina 13<sup>th</sup> & 21' W UCL & Solina  
 Top 8" CIP = 114.65  
 Bot 8" CIP = 113.80  
 E 15" RCP = 114.20  
 Bot 15" RCP = 114.30  
 Top 15" RCP = 115.65

**OK**

#5 - Relocate F.H. @ N.E. Cor. 13<sup>th</sup> & Solina.

**Intersection 13<sup>th</sup> & Burns**  
 #1 - 21' W of 13<sup>th</sup> & Burns 13<sup>th</sup> & 21' W UCL & Burns  
 Top 8" CIP = 114.45  
 Bot 8" CIP = 113.60  
 E 15" RCP = 113.60  
 Bot 15" RCP = 113.40  
 Top 15" RCP = 115.30

**Conflict - Lower 2'-0"**

#2 - Lower approx. 40' of 2" CIP on west side of Burns & north from 13<sup>th</sup> approx. 2'-0"

#3 - Relocate F.H. to N.E. Corner of 13<sup>th</sup> & Burns.

**Intersection 13<sup>th</sup> & Garland**  
 #1 - 8' W of West Curb on Garland  
 Top 8" CIP = 117.27  
 Bot 8" CIP = 117.42  
 E 15" RCP = 117.34

**OK**

#2 - 13' E of W Curb on Garland  
 Top 8" CIP = 117.27  
 Bot 8" CIP = 116.50  
 E 15" RCP = 115.10  
 Bot 15" RCP = 114.35  
 Top 15" RCP = 114.65

**Conflict - Lower 3'-0"**

#3 - 6' S W of Curb Burn & 4' N W of Existing Curb.  
 Top 8" CIP = 117.25  
 Bot 8" CIP = 116.40  
 E 15" RCP = 116.30  
 Bot 15" RCP = 116.10  
 Top 15" RCP = 117.95

**Conflict - Lower 1'-6"**

**Intersection Payne & 13<sup>th</sup>**  
 #1 - 47' E. of 22<sup>nd</sup> Drive East of Payne.  
 Top 8" CIP = 113.96  
 Bot 8" CIP = 113.20  
 E 15" RCP = 113.50  
 Bot 15" RCP = 113.10  
 Top 15" RCP = 113.10

**OK**

**Relocation of Hydrants & Manholes**  
 13<sup>th</sup> St. from 13<sup>th</sup> & W. L. River to 13<sup>th</sup> & W. L. Biting Ave.

**Intersection 13<sup>th</sup> & Lieunett**  
 #1 - 40' N NCL 13<sup>th</sup> & 2' E W. WCL Lieunett  
 Top 8" CIP = 117.56  
 Bot 8" CIP = 116.60  
 E 15" RCP = 116.60  
 Bot 15" RCP = 116.10

**OK**

#2 - 62' W of Lieunett & 13' S of 13<sup>th</sup>  
 Top 8" CIP = 116.83  
 Bot 8" CIP = 116.00  
 E 15" RCP = 115.90  
 Bot 15" RCP = 115.35  
 Top 15" RCP = 115.70

**OK**

#3 - 14' S NCL 13<sup>th</sup>  
 Top 8" CIP = 119.10  
 Bot 8" CIP = 118.20  
 E 15" RCP = 118.20  
 Bot 15" RCP = 117.67  
 Top 15" RCP = 117.90

**OK**

#4 - 14' E of Lieunett  
 Top 8" CIP = 116.93  
 Bot 8" CIP = 116.00  
 E 15" RCP = 116.00  
 Bot 15" RCP = 115.30  
 Top 15" RCP = 115.30

**OK**

#5 - 56' S of Lieunett  
 Top 8" CIP = 117.11  
 Bot 8" CIP = 116.00  
 E 15" RCP = 116.00  
 Bot 15" RCP = 115.00

**OK**

#6 - Relocate Fire Hydrant @ S.W. Corner

#7 - 11' 11" 2" CIP from Intersection East

