

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

\* FAI 55 (I-55) & FAP 321 (US 54 & IL 106)  
\*\* (18)WS (68-2)WS-7 (84-1-2)WS-5

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	***	9	1
ILLINOIS			CONTRACT NO. 72M25	
*** MONTGOMERY, PIKE, & SANGAMON				

D-96-095-20

FOR INDEX OF SHEETS, SEE SHEET NO. 2

HIGHWAY CLASSIFICATION

F.A.P. ROUTE 321 (IL 106 & US 54)

Pittsfield Weigh Station - Pike County

ADT: 4,550 (2019) PV = 87.37%

SU = 5.49%

MU = 7.14%

CLASSIFICATION: OTHER MINOR ARTERIAL

F.A.I. ROUTE 55 (I-55 NB)

Litchfield Weigh Station - Montgomery County

ADT: 27,400 (2019) PV = 69.89%

SU = 3.10%

MU = 27.01%

CLASSIFICATION: INTERSTATE

F.A.I. ROUTE 55 (I-55 SB)

Williamsville Weigh Station - Sangamon County

ADT: 32,600 (2019) PV = 72.39%

SU = 3.07%

MU = 24.54%

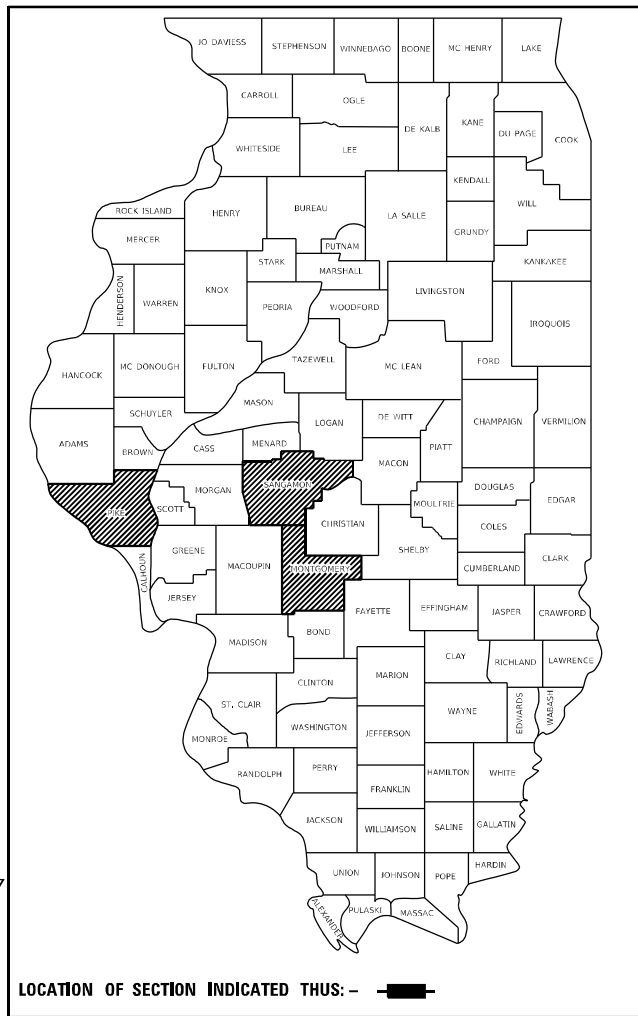
CLASSIFICATION: INTERSTATE

PROPOSED  
HIGHWAY PLANS

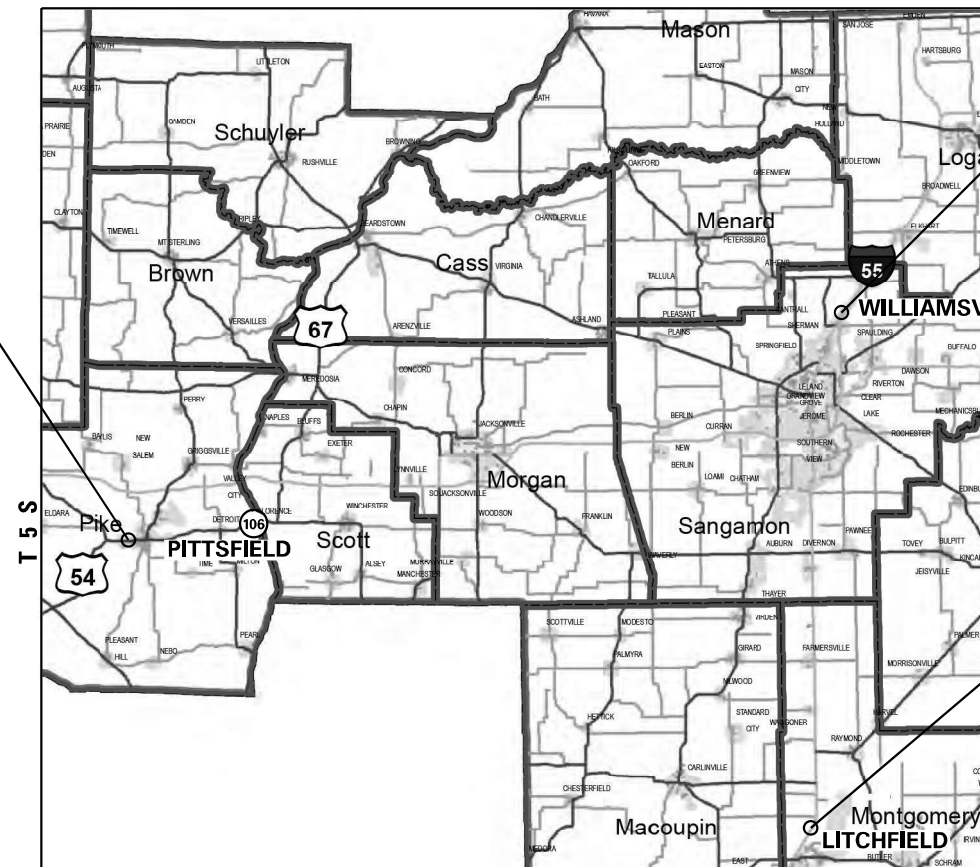
FAI ROUTE 55 (I-55) &  
FAP ROUTE 321 (US 54 /IL 106)  
SECTION (18)WS (68-2)WS-7 (84-1-2)WS-5  
MISCELLANEOUS

VARIOUS COUNTIES

C-96-125-20

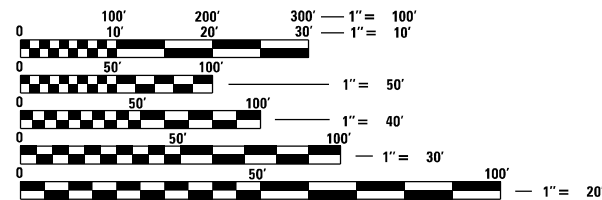


PITTSFIELD  
WEIGH STATION



WILLIAMSVILLE  
WEIGH STATION  
I-55 SB - Milepost 107

LITCHFIELD  
WEIGH STATION  
I-55 NB - Milepost 56.5



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD  
ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT  
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS  
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS  
1-800-892-0123  
OR 811

PROJECT ENGINEER: JAY WAVERING (217) 785-9046  
TEAM ENGINEER: RENE CABRERA (217) 558-5140

CONTRACT NO. 72M25

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 10 20 20

*Jay P. Wavering* REGIONAL ENGINEER

January 29 2021

*Scott E. A. Etkin* ENGINEER OF DESIGN AND ENVIRONMENT

January 29 2021

*James J. Quinn* DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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OF THE STATE OF ILLINOIS

# GENERAL NOTES

## GENERAL NOTES

1. ONE WEEK PRIOR TO BEGINNING WORK AT THE WEIGH STATIONS, PLEASE CONTACT KEITH DONOVAN at keith.donovan@illinois.gov or 217-299-0934.

## INDEX OF SHEETS

- |       |  |
|-------|--|
| 1     | COVER SHEET  |
| 2     | INDEX OF SHEETS, LISTS OF STANDARDS, GENERAL NOTES AND COMMITMENTS |
| 3     | SUMMARY OF QUANTITIES  |
| 4     | WILLIAMSVILLE WEIGH STATION PLAN VIEW                              |
| 5     | LITCHFIELD WEIGH STATION PLAN VIEW                                 |
| 6     | PITTSFIELD WEIGH STATION PLAN VIEW                                 |
| 7 - 9 | MISCELLANEOUS DETAILS  |

## STANDARDS

- |           |   |
|-----------|---|
| 000001-08 | STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS |
| 001006    | DECIMAL OF AN INCH AND OF A FOOT              |
| 701901-08 | TRAFFIC CONTROL DEVICES                       |


## RATES OF APPLICATION TABLES


THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES.


## COMMITMENTS

(NONE)

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
DISTRICT 6**

EXAMINED November 2 2020  
  
ENGINEER OF OPERATIONS

EXAMINED November 6 2020  
  
ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED November 24 2020  
  
ENGINEER OF PROGRAM DEVELOPMENT

REV. - MS

\* FAI 55 (I-55), FAP 321 (US 54 / IL 106)  
\*\* (18)WS (68-2)WS-7 (84-1-2)WS-5  
\*\*\* MONTGOMERY, PIKE, & SANGAMON

MODEL: Default  
FILE NAME: p:\p1g1amcom.dct\illinois.gov\PIV\DOT\Documents\DOT\_Offices\District 6\Projects\0672M25\CADD\as\CAD\sheet\0672M25-sht-gemote.dgn

USER NAME = cabrerars	DESIGNED - RSC	REVISED -
	DRAWN - RSC	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED +
PLOT DATE = 12/2/2020	DATE -	REVISED +

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS &  
GENERAL NOTES**

SCALE: NTS    SHEET 1 OF 1 SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNT	TOTAL SHEETS	SHEET NO.
*	**	***	9	2
CONTRACT NO. 72M25				
ILLINOIS FED. AID PROJECT				

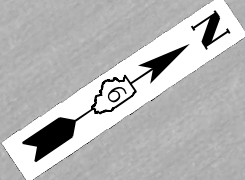
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0-01537-6001		
				PIKE	MONTGOMERY	SANGAMON
				100% STATE ROADWAY	100% STATE ROADWAY	100% STATE ROADWAY
				0044 RURAL	0044 RURAL	0044 RURAL
67100100	MOBILIZATION	L SUM	1	0.34	0.33	0.33
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.34	0.33	0.33
X0320094	SCALE PIT CLEANING	EACH	3	1	1	1

REV. - MS

\* FAI 55 (I-55), FAP 321 (US 54 & IL 106)  
\*\* (18)WS (68-2)WS-7 (84-1-2)WS-5  
\*\*\* MONTGOMERY, PIKE, & SANGAMON

USER NAME = cabrerars	DESIGNED - RSC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - RSC	CHECKED -	REVISED -		SCALE: NTS	SHEET 1 OF 1 SHEETS	STA.	TO STA.	*	**	***	9	3
PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		CONTRACT NO. 72M25								
PLOT DATE = 12/2/2020	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



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 PROJECT: I-55 (I-55), FAP 321 (US 54 / IL 106)  
 DRAWING: 18JWS (68-2)WS-7 (84-1-2)WS-5  
 CONTRACT: MONTGOMERY, PIKE, & SANGAMON

\* FAI 55 (I-55), FAP 321 (US 54 / IL 106)  
 \*\* (18)WS (68-2)WS-7 (84-1-2)WS-5  
 \*\*\* MONTGOMERY, PIKE, & SANGAMON

USER NAME = cabrerars	DESIGNED - RSC	REVISED -
DRAWN - RSC	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/2/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**WILLIAMSVILLE WEIGH STATION**  
**PLAN SHEET**

SCALE: NTS    SHEET 1 OF 3 SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	**	***	9	4
CONTRACT NO. 72M25				
ILLINOIS FED. AID PROJECT				



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\* FAI 55 (I-55), FAP 321 (US 54 / IL 106)  
 \*\* (18)WS (68-2)WS-7 (84-1-2)WS-5  
 \*\*\* MONTGOMERY, PIKE, & SANGAMON

USER NAME = cabrerars	DESIGNED - RSC	REVISED -
DRAWN - RSC	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/2/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**LITCHFIELD WEIGH STATION**  
**PLAN SHEET**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	**	***	9	5
CONTRACT NO. 72M25				
ILLINOIS FED. AID PROJECT				

SCALE: 50      SHEET 2 OF 3 SHEETS      STA.      TO STA.



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\* FAI 55 (I-55), FAP 321 (US 54 / IL 106)  
 \*\* (18)WS (68-2)WS-7 (84-1-2)WS-5  
 \*\*\* MONTGOMERY, PIKE, & SANGAMON

USER NAME = cabrerars	DESIGNED - RSC	REVISED -
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PLOT DATE = 12/2/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

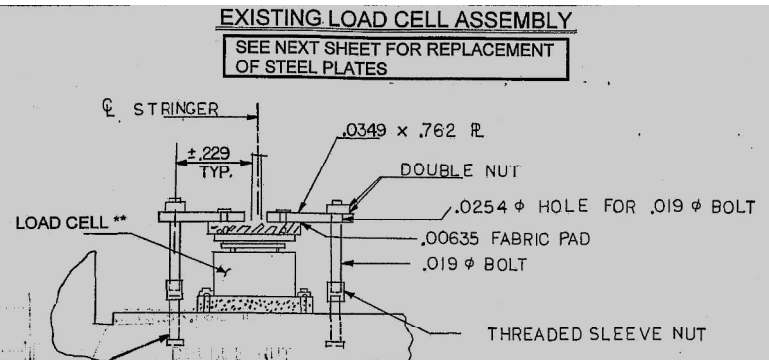
**PITTSFIELD WEIGH STATION**  
**PLAN SHEET**

SCALE: 20      SHEET 3 OF 3 SHEETS      STA.      TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	**	***	9	6
CONTRACT NO. 72M25				
ILLINOIS FED. AID PROJECT				

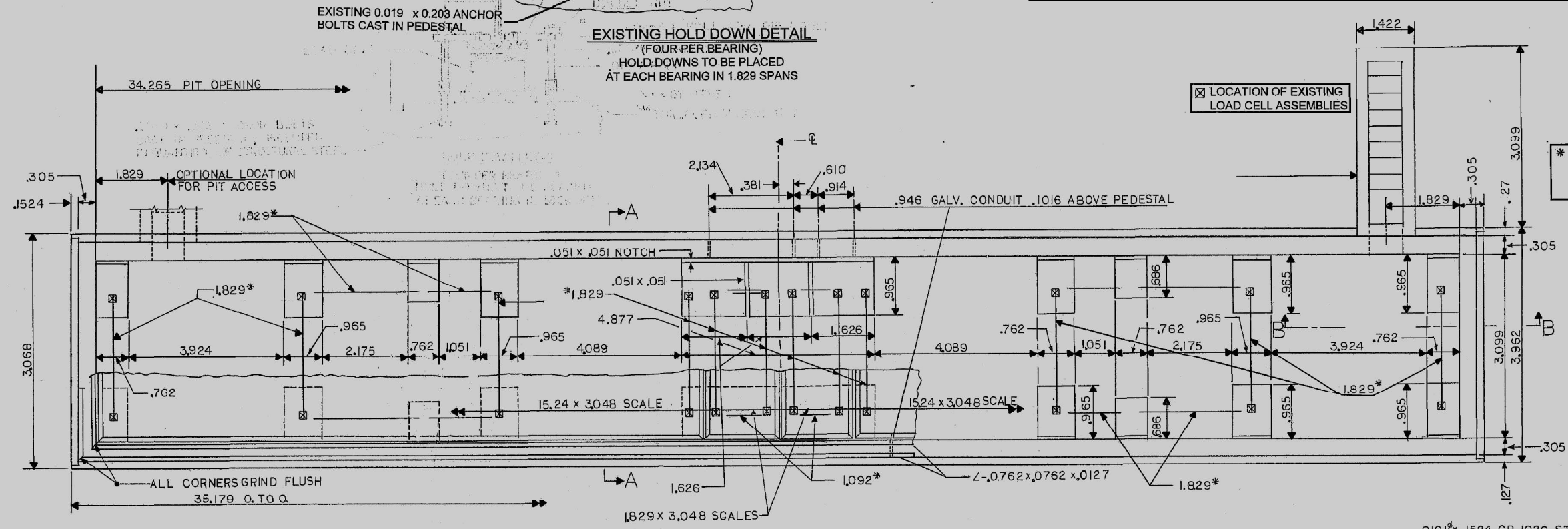
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	SANGAMON	170	99
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT
*(B7-1-2) 45 WS-3				

\*\* EXISTING LOAD CELL ASSEMBLIES TO BE REMOVED, AND REINSTALLED OR REPLACED WITH NEW. CRIBBING REQUIRED FOR WEIGH BRIDGE CONSIDERED INCIDENTAL.

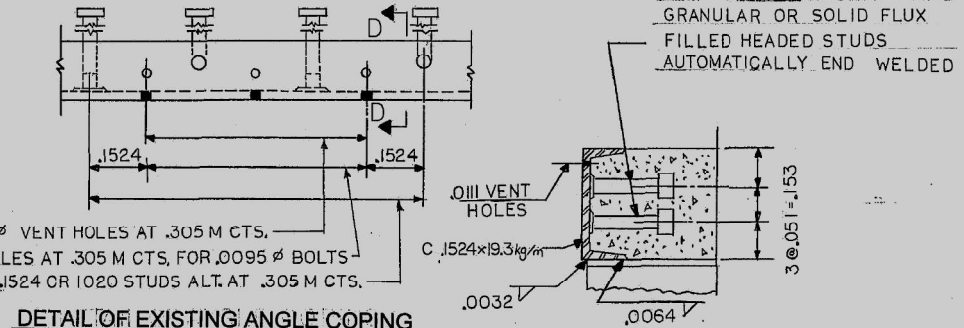
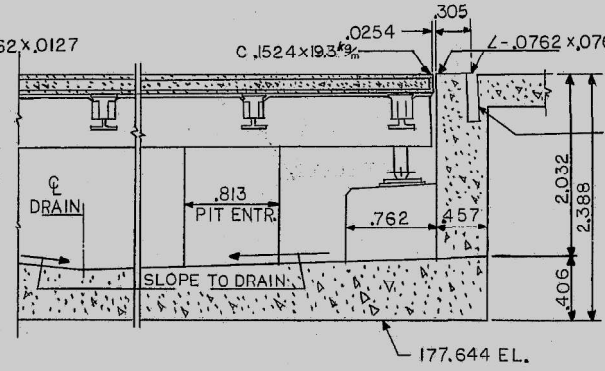
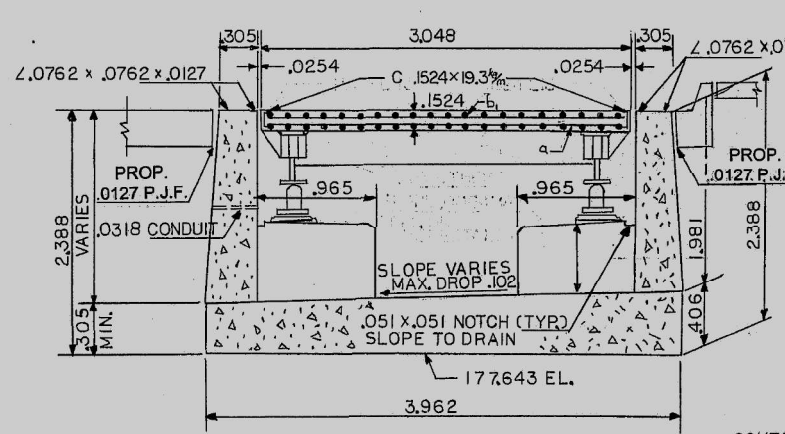


CHECK ROD  
BILL OF MATERIALS  
F & E STRUCTURAL STEEL KG 365

**FOR INFORMATION ONLY**



\* EXISTING CHECK RODS - 38 mm DIA TO BE REMOVED & REPLACED (REMOVAL CONSIDERED INCIDENTAL)

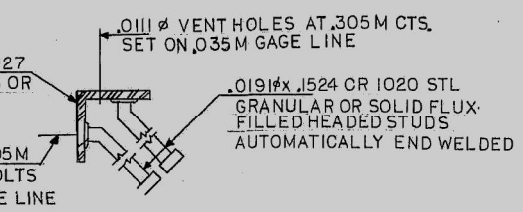


ALL DIMENSIONS IN MFTERS UNLESS OTHERWISE NOTED

\*\*\* EXISTING CHANNEL COPING WILL BE REMOVED WITH EXIST. SLAB (INCIDENTAL) PROPOSED CHANNEL COPING OF THE SAME TYPE WILL BE PAID FOR AS F. & E. STRUCTURAL STEEL.

.0111 phi VENT HOLES AT .305 M CTS.  
.0191 phi x .1524 CR 1020 STUDS ALT. AT .305 M CTS.

DETAIL OF EXISTING & PROPOSED CHANNEL COPING



SECTION D-D

**REHABILITATION DETAILS OF EXISTING STATIC SCALES**  
**DETAILS OF LOAD CELL MOUNTING ASSEMBLIES, EXISTING STRUCTURAL STEEL FOR CLEANING AND PAINTING, AND R.C. SLAB ON WEIGHBRIDGE**

MODEL: Default  
FILE NAME: p:\work\72m25\72m25.dwg  
PROJECT: 72M25  
OFFICE: Sangamon  
DATE: 9/10/2020

USER NAME = cabrerars	DESIGNED - RSC	REVISED -
	DRAWN - RSC	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/10/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

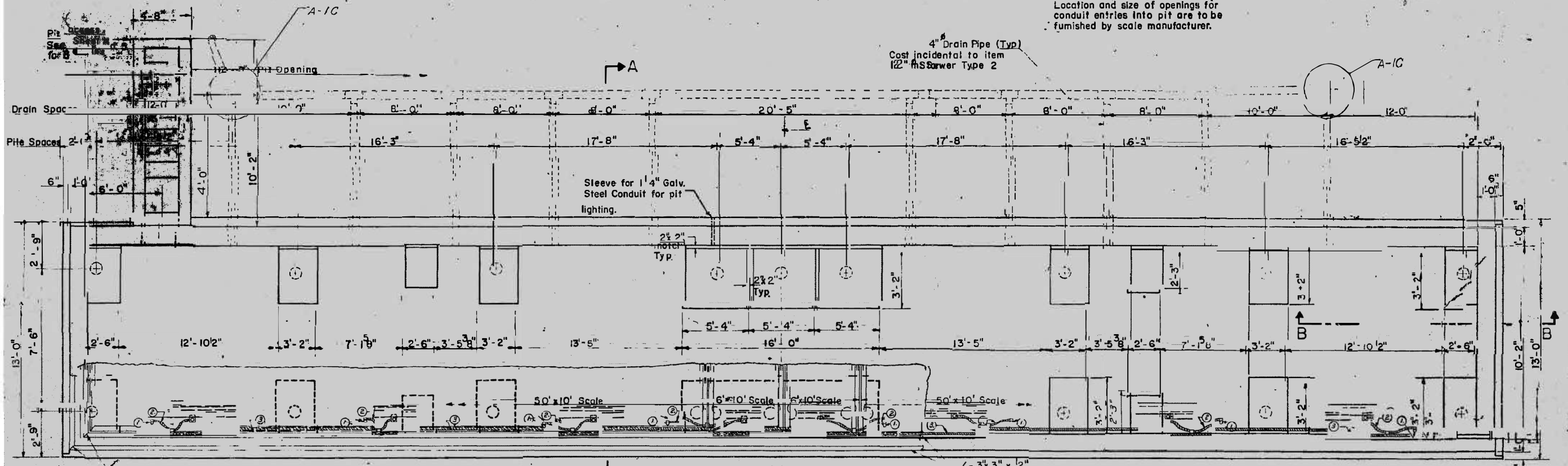
MISCELLANEOUS DETAILS	
WILLIAMSVILLE WEIGH STATION	
SCALE: NTS	SHEET 1 OF 3 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	**	***	9	7
CONTRACT NO. 72M25				
ILLINOIS FED. AID PROJECT				

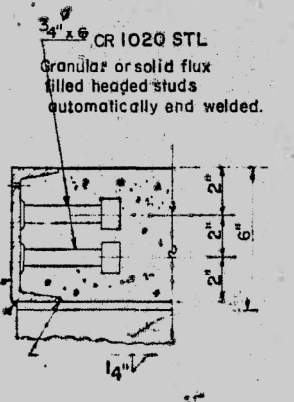
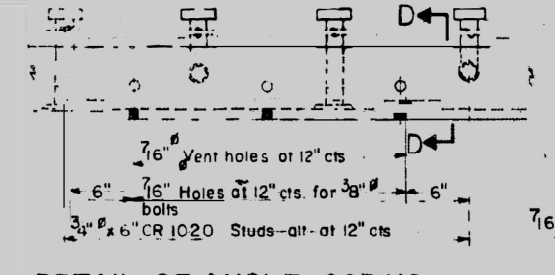
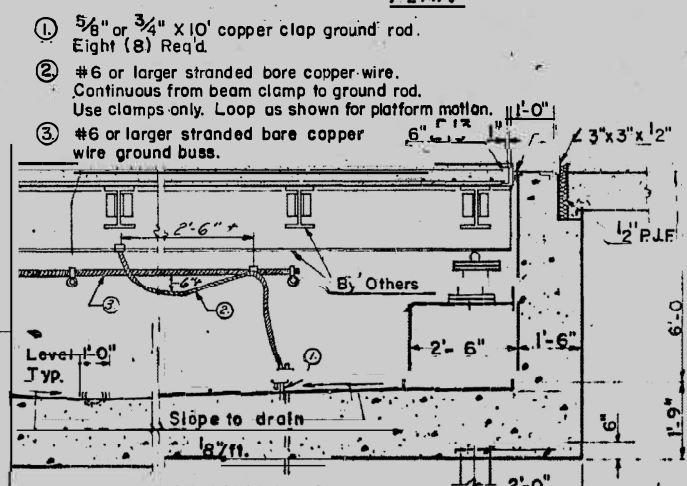
\* FAI 55 (I-55), FAP 321 (US 54 / IL 106)  
\*\* (18)WS (68-2)WS-7 (84-1-2)WS-5  
\*\*\* MONTGOMERY, PIKE, & SANGAMON

NOTE: Anchor bolts are to be cast into pedestals at locations supplied by the Scale Manufacturer. Location and size of openings for conduit entries into pit are to be furnished by scale manufacturer.

PROJECT NO.	68-2	COUNTY	Montgomery	TOTAL SHEETS	11	SHEET NO.	2A
DATE	1/5/21					SHEETS	



## FOR INFORMATION ONLY

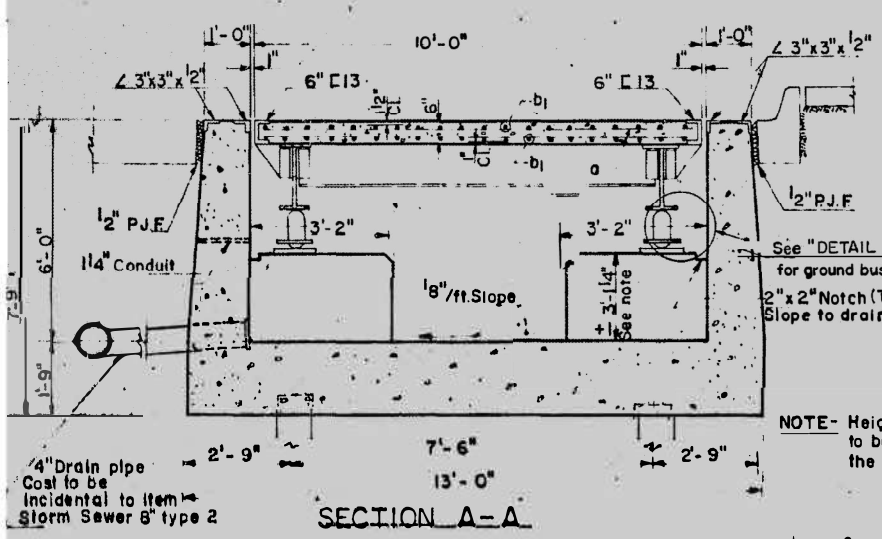


PILE DATA

Type	Created	Est Length -	No Req'd	Capacity -
	Created	15 ft.	20 ft.	20 Ton.
		18 #	18 #	20 Ton.

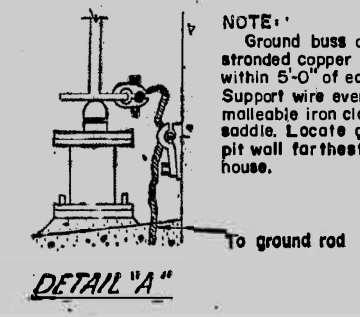
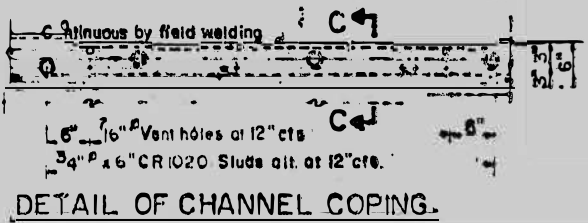
INFORMATION ONLY  
(Except For Grounding, See Special Provisions)

GENERAL LAYOUT  
FA.I.RT.55 SEC.68-2WS-1  
MONTGOMERY COUNTY  
STA. 1836+54.94



NOTE - Height of pedestals to be furnished by the Scale Manufacturer.

NOTE: Ground buss of #6 or larger stranded copper wire continuous to within 5'-0" of each end of pit. Support wire every 5'-0" with galv. malleable iron clamp back and saddle. Locate ground buss on pit wall farthest from scale house.



DESIGNED	RAMINEL	19
CHECKED	PASSED	
DRAWN	APPROVED	
CHECKED		

USER NAME = cabrerars	DESIGNED - RSC	REVISED -
PLOT SCALE = 100.0000" / in.	DRAWN - RSC	REVISED -
PLOT DATE = 9/10/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

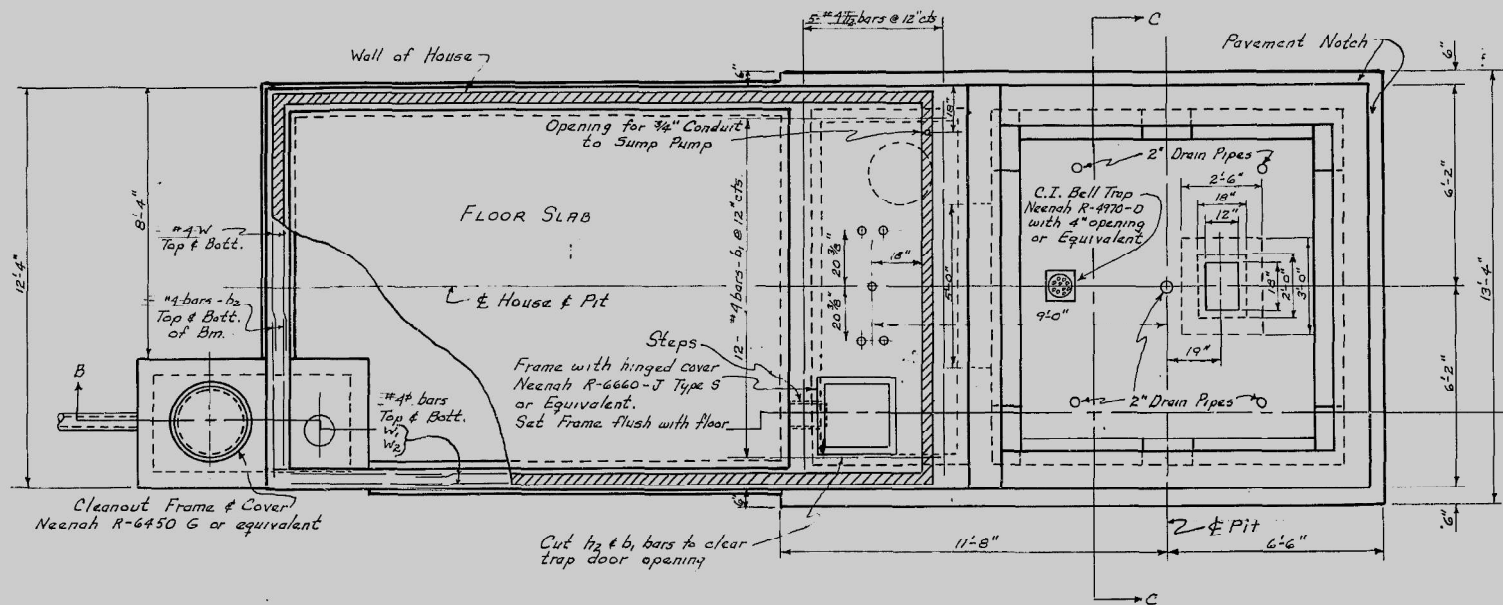
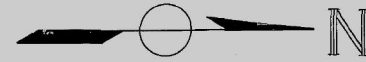
MISCELLANEOUS DETAILS  
LITCHFIELD WEIGH STATION

SCALE: NTS SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	***	9	8
CONTRACT NO. 72M25				
ILLINOIS FED. AID PROJECT				

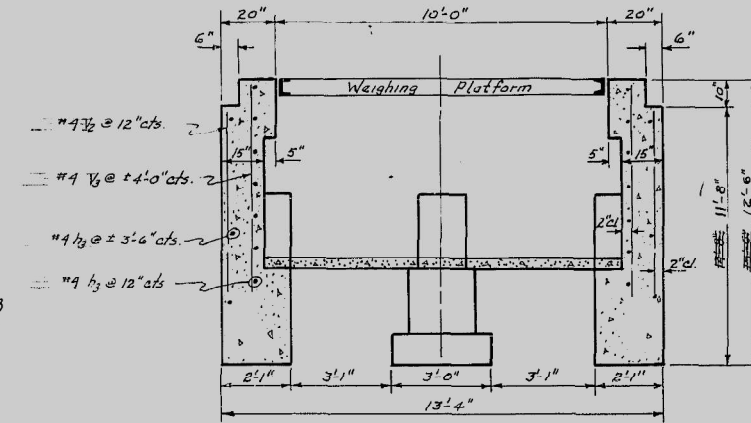
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\*\*\* MONTGOMERY, PIKE, & SANGAMON



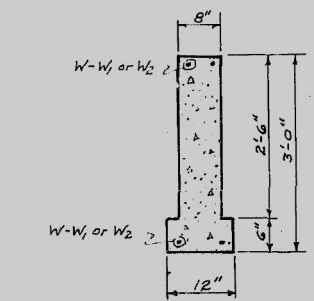


PLAN OF FOUNDATION

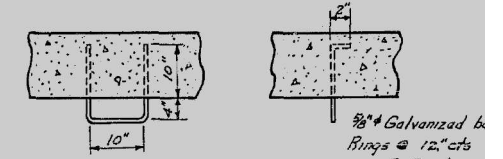
**FOR INFORMATION ONLY**



SECTION C-C



SECT. THRU FOUNDATION



STEP DETAIL  
In Southbasement wall, in line with trap door opening

**GENERAL NOTES**

Class x Concrete to be used throughout.  
Rung steps are included as "Hardware".  
Structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint, furnished and applied by the Contractor.

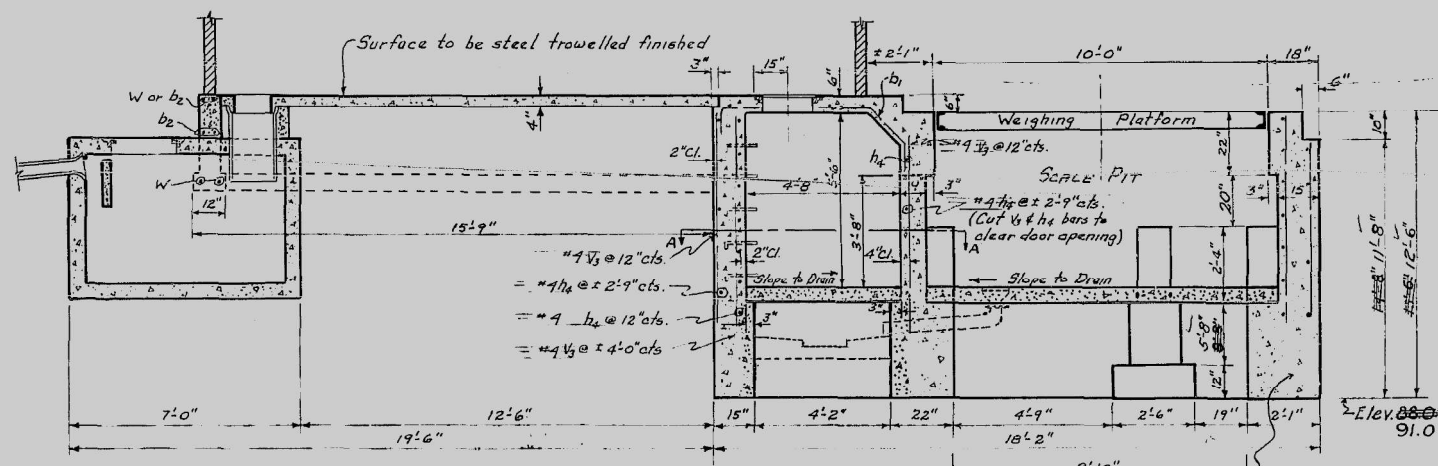
**FOUNDATION-BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
n	16	#5	8'-6"	
h1	25	#5	5'-6"	
h2	5	#4	13'-6"	
h3	24	#4	17'-0"	
h4	30	#4	12'-0"	
V	5	#4	7'-9"	
V1	22	#4	4'-9"	
V2	49	#4	7'-3"	
V3	46	#4	8'-3"	
b	15	#4	4'-6"	
b1	12	#4	8'-0"	
b2	4	#4	10'-0"	
b3	13	#4	7'-0"	
W	4	#4	8'-0"	
W1	4	#4	15'-6"	
W2	4	#4	12'-3"	
Class x Concrete		Cu. Yds.	73.3	59.
Reinforcement Bars		Lbs.	1710	
Hardware		Lbs.	20	

**TOTAL BILL OF MATERIAL**

Item	Quan.
Class x Concrete	Cu. Yds. 73.3
Reinforcement Bars	Lbs. 2190
Structural Steel	Lbs. 210
Hardware	Lbs. 99
Frame & Hinged Cover	Ea. 1
Cleanout Frame & Cover	Ea. 1
15" Clay Sewer Pipe (Bell & Spigot)	Lin. Ft. 3
Porous Granular Backfill	Cu. Yds. 2.2
4" Pipe Underdrain	Lin. Ft. 58
2" Clay Sewer Pipe (Bell & Spigot)	Lin. Ft. 15
C.I. Bell Trap	Ea. 1
Sump Pump Complete	Ea. 1

**WEIGHING STATION # 20  
AT PITTSFIELD, ILL.  
U.S. Rts. 36 & 54  
PIKE COUNTY**



SECTION B-B

103.50	Proposed Grade Line
± 102.8	Yellow-Brown Silty Clay Hard Moist
98.3	Red-Brown Silty Clay Loam Moist
94.3	Grey Silty Clay Loam Moist
92.8	Grey Clay Small Rocks Moist
88.8	Water at 88.5
88.3	Hard Clay

Additional Borings Indicate:  
Compressive Strength of Silty Clay to be  
1.51 Tons at Elev 91.8 to 90.8  
2.52 Tons at Elev 90.8 to 90.3  
2.65 Tons at Elev 88.8 to 87.8

No Water encountered to Elev. 87.8

DESIGNED: M.C. Baumann  
CHECKED: E. J. ...  
DRAWN: Eugene H. ...  
CHECKED: M. J. ...

8-31-51 Revised Footing Elev. 88.8