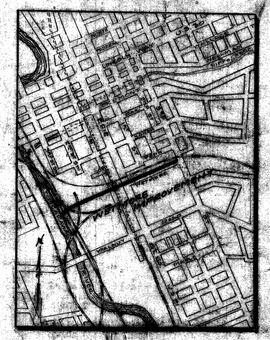
WETMORE CREEK IMPROVEMENT

MASSILLON OHIO



Two water lines on Erie St.So.: 6" gravity line between curb and walk on West side. 6" C.I. approx. 3ft east of west curb. data from O.W.S. Co.

Note: Build Syphon on 24" San Trunk Sewer see details on sheets # 4

Storm Sewer Detail See Sheet #2

Replace 4" Conc Walk Item #26 and new Conc Curb Item 10-D Headwall 1'9 Wide same elev. as side Walls see profile

Fill behind wall, use excess from Covered Section, paid under Item 10-D both for north and south sides.

No Guard rail on North side

O.L. 40

Bottom paved with stone under Bridge

4" Conc Apron paid under Item #26

New curb(conc) from RR to Existing C.B. remove old plank walk, rebuild with conc slab sloping ½" per foot towards street, build new 6"&4" walk from culvert to Wetmore, Build steel hand railing, See detail sheet #5

End of Guard rail at side walk on 3rd Street SE.

Pavement replacement Item #25, see sheet #6

SEE SHEET #1

Replace 4" Conc Walk Item #6 and new Conc Curb Item #10-D

Connection to Conc. Sewer

Sta. Sew 1+0

Beginning of Guard rail 11+70 Connect 12" V.S.P. to Concrete Sewer

Headwall Connect 12" V.S.P. to Conc. Sewer

Conc. Apron

C.B.

Stone Wall

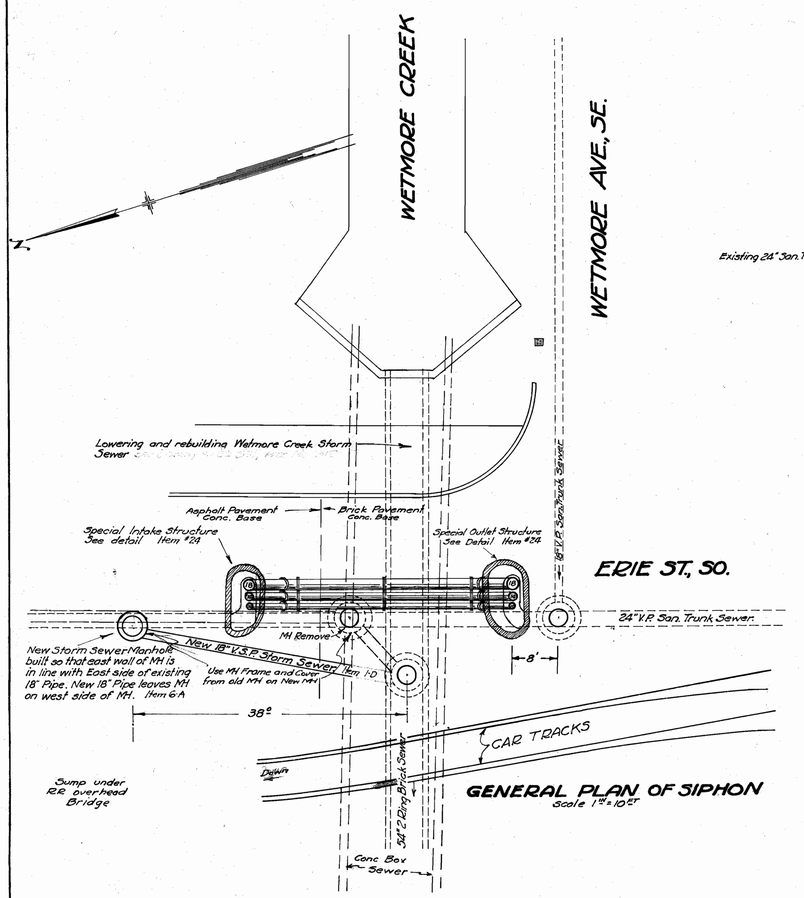
Stone Wall

Stone Wall

6" Water Main 5ft West of East curb of 1st St. SW. Data from O.W.S.Co.
3" " " on East side of 1st St. SW. " " "

Note: This building has to be underpinned to protect the walls etc., the concrete floor can be removed and replaced with new 6" conc. floor; same item as 6" concrete sidewalks. Limits of new conc. floor will be decided by City Eng. or agent. Contractor will be held responsible for any damage done to walls, roof or appurtenance of building.

O.L. 28 W. & L. E. RR.
O.L. 29 W. & L. E. RR.
O.L. 30 P. Ft. W. & C. RR.
O.L. 31 Massillon Aluminun Co.
O.L. 32 W. & L. E. RR.
O.L. 36 P. Ft. W. & C. RR.
Tuscarawas River
Shed
Brick Bldg.
Frame Garage
Brick & Frame
Main Building Brick & Conc.
Old Power House Brick
Penn RR Overhead Bridge
Abandoned Spur
New 6" Conc. Floor Item #27
Trac. Trunk Sewer 12'8" to 12'0" 0.7% Grade
Headwall Conc. Apron See detail on Sheet #5
Travel Line
Curb Line Station
Gutter Grade
Top of Curb
Flag St.
Bldg. Line
Ex. 15" Storm Sewer
Ex. 24" Storm Sewer
Ex. 12" Storm Sewer
Ex. 6" Water Main
Ex. 8" Water Main
Ex. 8" Gas Main
Ex. 6" Gas Main
Ex. 4" Gas Main
Ex. 2" Gas Main
Ex. 8" Sanitary Sewer
Ex. 6" Sanitary Sewer
Ex. 4" Sanitary Sewer
Ex. 3" Sanitary Sewer
Ex. 2" Sanitary Sewer
Ex. 6" Storm Sewer
Ex. 4" Storm Sewer
Ex. 3" Storm Sewer
Ex. 2" Storm Sewer
Ex. 1" Storm Sewer
Ex. 15" Storm Sewer
Ex. 12" Storm Sewer
Ex. 10" Storm Sewer
Ex. 8" Storm



GENERAL PLAN OF SIPHON
Scale 1"=10'

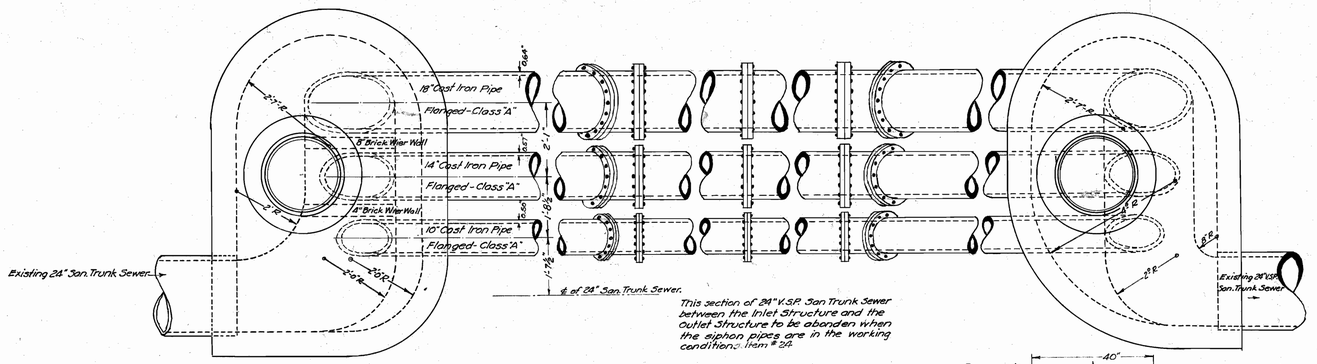
SECTIONAL VIEW ALONG 24" SAN. TRUNK SEWER
Scale 1"=10'

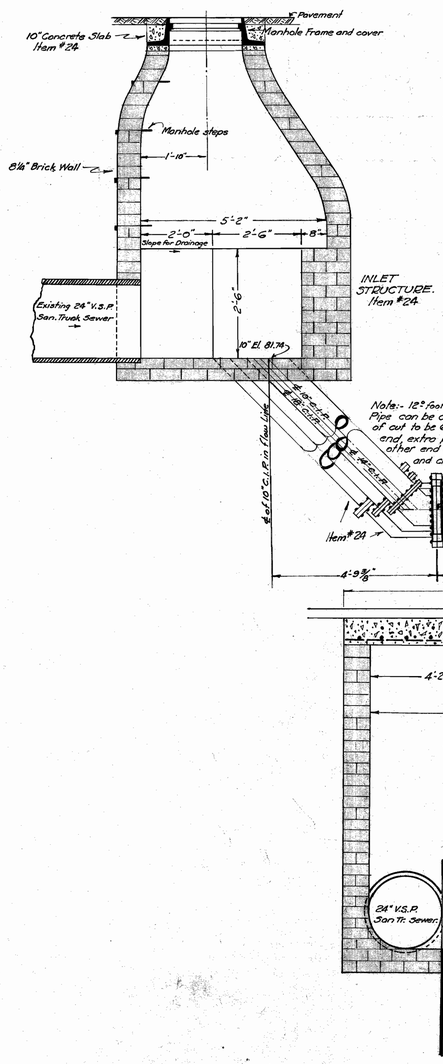
GENERAL NOTES.

Cast Iron Pipe to be class "A", Standard Flanged Pipe, Fittings to be, American Standard Flanged Fittings 125 lbs. per square inch.

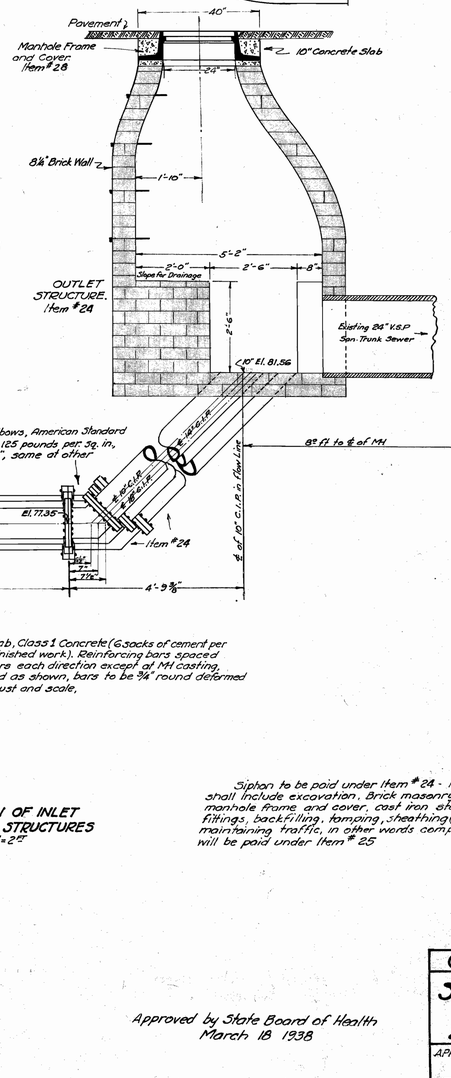
Elevations are taken from field and are calculated for points between MHs, so elevations will have to be checked when structures are uncovered.

BM: Hydrant S.E corner of Erie St, So and Wetmore Ave SE., Elev. 93.15





DETAILS OF INLET AND OUTLET STRUCTURES. AND THE CAST IRON SIPHON PIPES
Scale 1"=2'



X-SECTION OF INLET AND OUTLET STRUCTURES
Scale 1"=2'

Siphon to be paid under Item # 24 - 1-No Complete, price shall include excavation, Brick masonry, 10" Slab (conc.) top, manhole frame and cover, cast iron steps, cast iron pipe and fittings, backfilling, tamping, sheathing (except left in place) maintaining traffic, in other words complete, Pavement replacement will be paid under Item # 25

Approved by State Board of Health March 18 1938

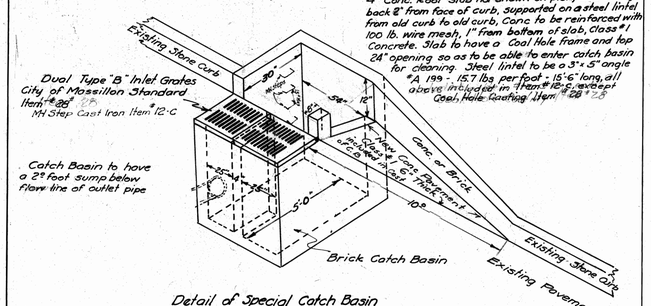
4/12

CITY OF MASSILLON, OHIO.

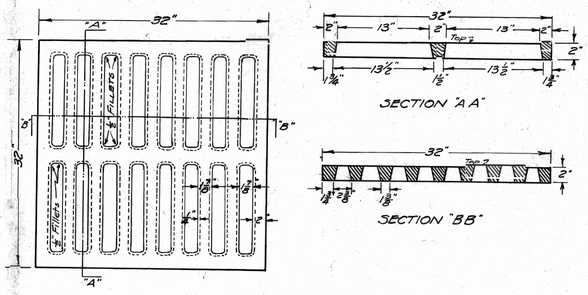
SIPHON UNDER WETMORE CREEK AT ERIE ST, SO.
24" VIT. PIPE SANITARY TRUNK SEWER

APPROVED CITY ENGINEER		DEPT. OF PUBLIC SERVICE ENGINEERING DIVISION
Drby Geo. Wallace Ck by	Feb 11 1937	Scale as noted.

FILE NO SE 381 - ACC. NO 1414

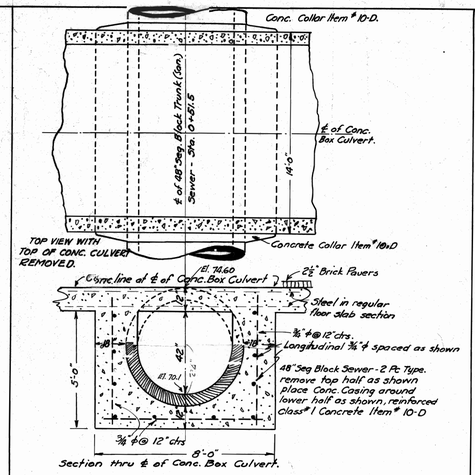


Detail of Special Catch Basin
Not to Scale
Item # 12-C — Bid Complete.

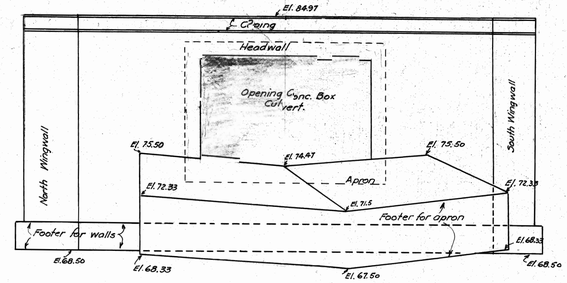


CITY OF MASSILLON STANDARD TYPE "B" INLET GRATE

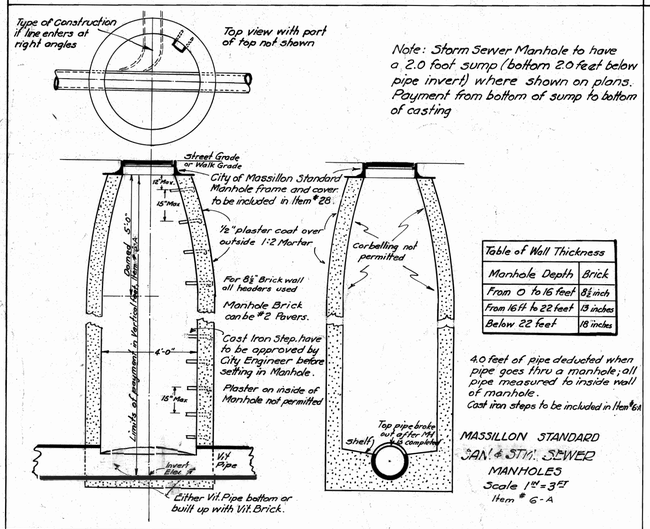
CAST IRON
WEIGHT 300 LBS.
Item # 28



DETAIL OF SAN. SEWER CASING ON TUSCARAWAS TRUNK AT STA 0+51.5
Not to Scale.



FRONT VIEW OF HEADWALL AND APRON
Scale 1" = 5'-0"

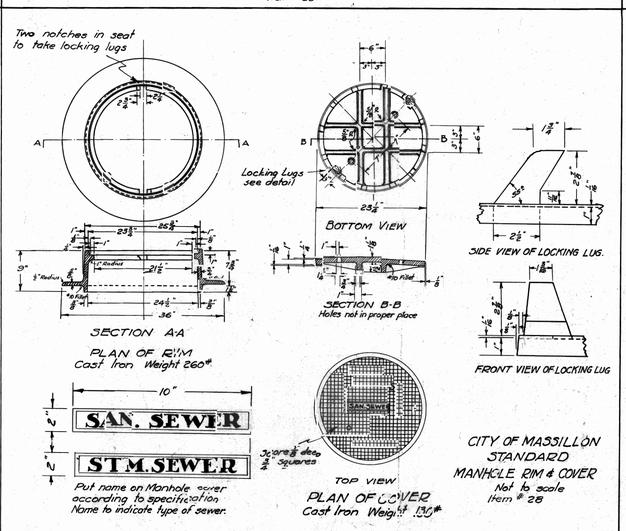


Note: Storm Sewer Manhole to have a 2.0 foot sump (bottom 2.0 feet below pipe invert) where shown on plans. Payment from bottom of sump to bottom of casting

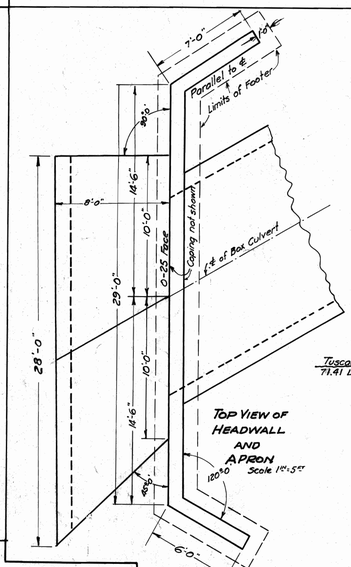
Table of Wall Thickness	
Manhole Depth	Brick
From 0 to 16 feet	8½ inch
From 16 ft to 22 feet	13 inches
Below 22 feet	18 inches

4.0 feet of pipe deducted when pipe goes thru a manhole; all pipe measured to inside wall of manhole. Cast iron steps to be included in Item # 6A

MASSILLON STANDARD SAN. & STM. SEWER MANHOLES
Scale 1" = 3'-0"
Item # 6-A

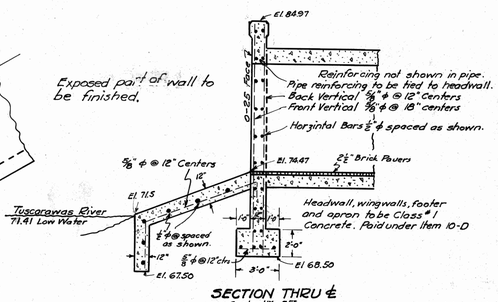


CITY OF MASSILLON STANDARD MANHOLE RIM & COVER
Not to scale
Item # 28

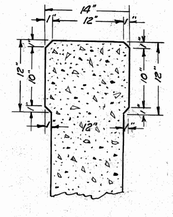


DETAILS OF HEADWALL AND APRON AT STA. 0-25

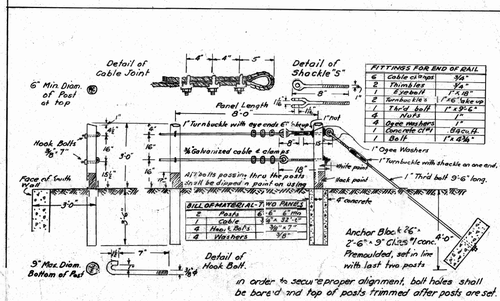
Exposed part of wall to be finished.



SECTION THRU ℄
Scale 1" = 5'-0"



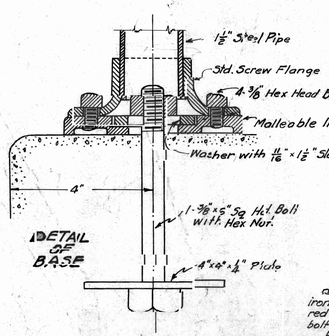
COPING SECTION
Reinforcing not shown
Scale 1" = 1'-0"

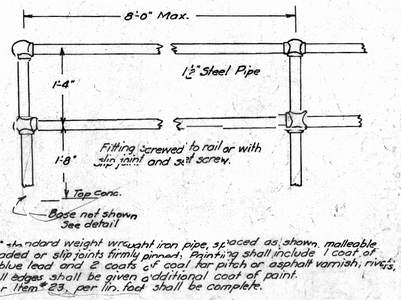


in order to secure proper alignment, bolt holes shall be bored and top of posts trimmed after posts are set.

All exposed surfaces, not galvanized, to have 3 coats, white, last coat linseed oil paint. All surfaces in contact, not galvanized, shall receive one coat of above paint before construction. Post to be of straight sound chestnut, white oak, yellow locust, white or red cedar, 6" minimum diameter, round post, creosoted by dipping the lower 4'-6". All iron and steel to be galvanized except cast iron. Payment for this under lin. foot Item # 22, limits of payment from end guard rail post to end guard rail post.

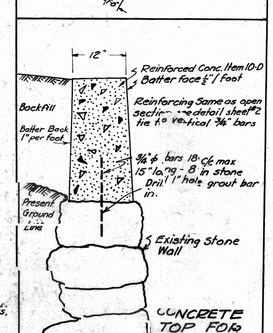
CITY OF MASSILLON STANDARD GUARD RAIL
Not to Scale.
Item # 22

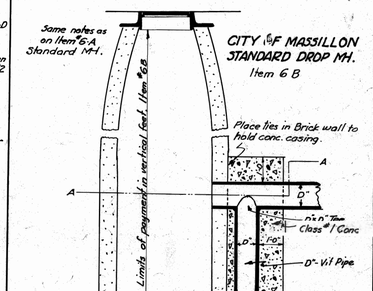


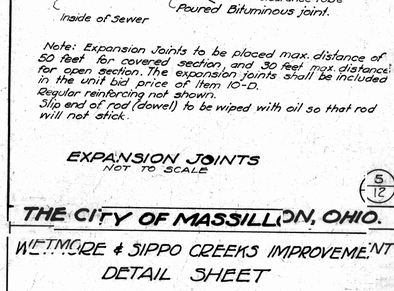


Rails shall be 1½" standard weight wrought iron pipe, 3 spaced as shown, malleable iron fittings, threaded or slip joints firmly pinned. Painting shall include 1 coat of red or sublimed blue lead and 2 coats of coal tar pitch or asphalt varnish, rivets, bolt heads and all edges shall be given additional coat of paint. Payment under Item # 23, per lin. foot shall be complete.

CITY OF MASSILLON STANDARD PIPE RAILING
Not to Scale
Item # 23







Note: Expansion Joints to be placed max. distance of 50 feet for covered section, and 30 feet max. distance for open section. The expansion joints shall be included in the unit bid price of Item 10-D. Regular reinforcing not shown. Slip end of rod (dowel) to be wiped with oil so that rod will not stick.

EXPANSION JOINTS
NOT TO SCALE

S 12

THE CITY OF MASSILLON, OHIO.

WETMORE & SIPPO CREEKS IMPROVEMENT
DETAIL SHEET

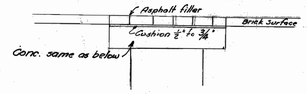
APPROVED	DEPT OF PUBLIC SERVICE ENGINEERING DIVISION
Dr. by: Geo. C. Wellbaum	Scale as noted.

FILE NO. SSE 381 ASE. No. 14117

PAVEMENT REPLACEMENT
Item #25

BRICK PAVEMENT

Use the old Brick when possible, no bats. Asphalt filler used, on #7 slag cushion.



ASPHALT PAVEMENT

Paint edges 1st with Asphalt Emulsion, center Emulsion can be diluted 50%

T'GO Top - rolled in two courses, hand tamp edges or ¾ whole patch on 1st course



Edges shall be clean

Base to be 6" thick.

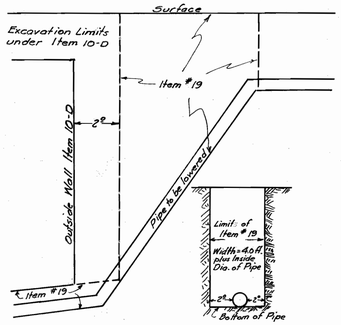
Conc. Base Class #1, 1:2:4 Mix use 2lbs Ca.Cl. per bag of cement, for quick setting, keep traffic off and dont cover top for 48 hrs. Protect from hot sun - don't pour when below 40° F.

Make new base 9" wider than ditch all sides

New base to be put in regardless whether existing pavement has base or not.

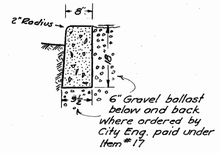
Payment to be under Item # 25 either Brick or Asphalt. Shall be measured from amt. put in, MHs and Catch Basins will be deducted.

SPECIAL EXCAVATION DETAIL
Item # 19



Note to Contractor: Contractor will dig ditch for lowering Public Utility lines. Utilities will furnish and relay new lines to grade, contractor will backfill, puddle and tamp where needed to dispose of surplus material, this will be paid under Item # 19. price per cubic yard special excavation. Contractor will replace pavement or walks, paid under these Items.

City has right to shift location of all utility lines but cannot change grades either ind. or location.

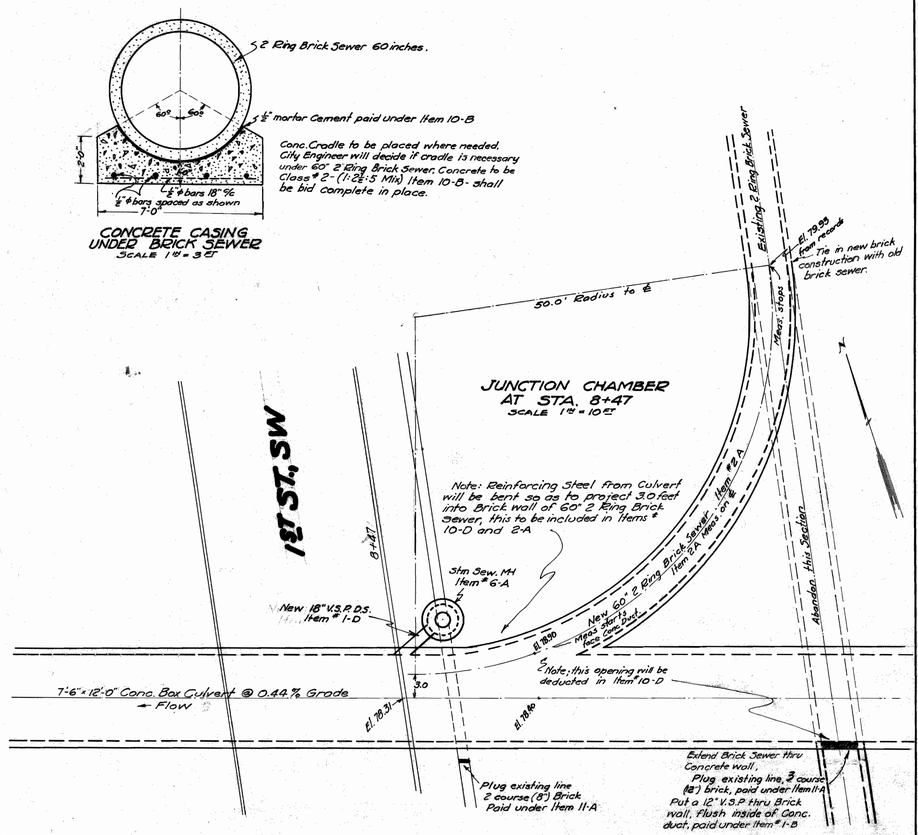


6 sacks cement per cu.yd. of finished work. Slag (crushed) or stone for course aggregate, clean washed sand for fine aggregate. Steel forms. curbing to be cured by keeping covered for three days. Will be paid under Item #10-D, complete in place.
0.03515 cu.yds. per lin. foot.

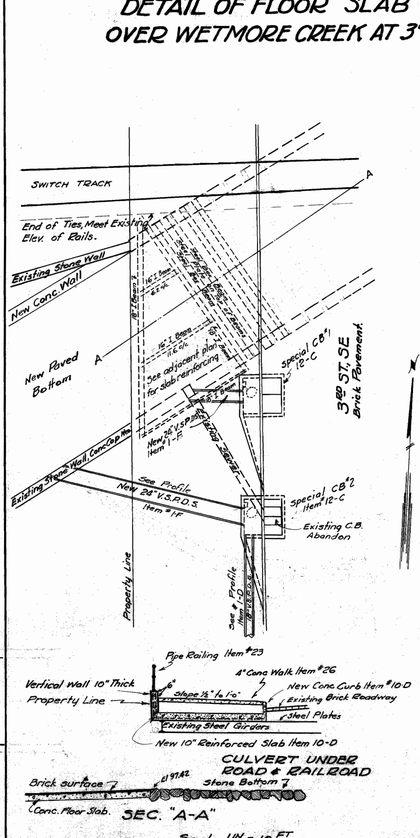
CITY OF MASSILLON STANDARD CONC. CURB.
NOT TO SCALE.

CONCRETE CASING UNDER BRICK SEWER
SCALE 1" = 3'-0"

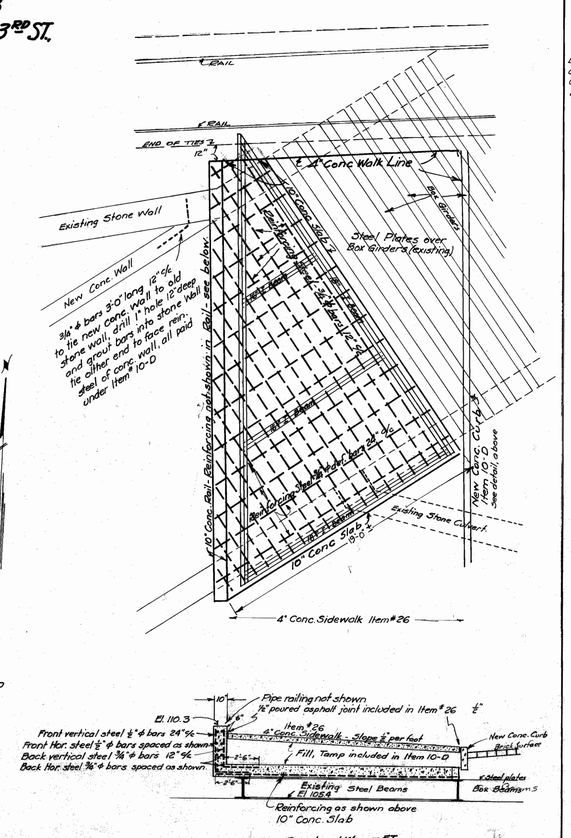
Conc. Cradle to be placed where needed. City Engineer will decide if cradle is necessary under 60" 2 Ring Brick Sewer. Concrete to be Class # 2 - (1:2½:5 Mix) Item 10-B - shall be bid complete in place.

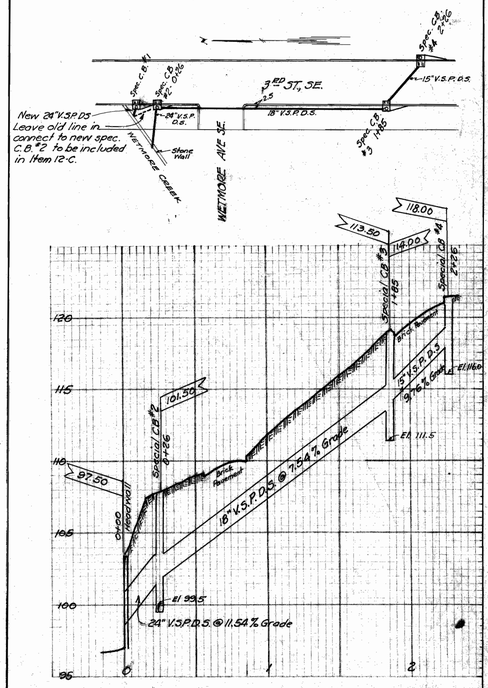


DETAIL OF FLOOR SLAB OVER WETMORE CREEK AT 3RD ST.



CULVERT UNDER ROAD & RAILROAD





DETAIL OF STORM SEWER 3RD AND WETMORE

(6/12)

THE CITY OF MASSILLON, OHIO

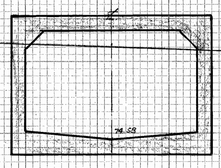
WETMORE & SIPPO CREEKS IMPROVEMENT
DETAIL SHEET

APPROVED C.C. Rice CITY ENGINEER	DEPT. OF PUBLIC SERVICE ENGINEERING DIVISION.
By Geo. C. Wallace	Scale as noted

FILE No. SE 2881 ACC. No. 11885

40 30 20 10 0 10 20 30 40

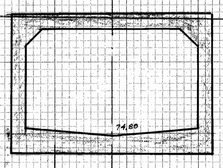
SOUTH NORTH



80

0+00

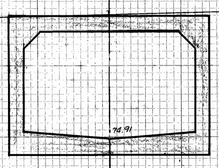
74.28



80

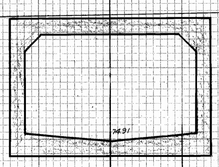
0+50

74.80



80

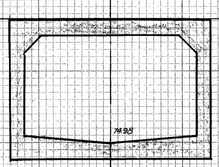
0+75 (AB)



80

0+75 (BC)

BASE



80

0+90

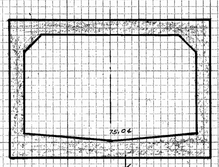
LINE

Top Of Tie

1+04.9

℄ Tracks

85

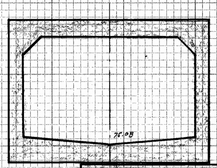


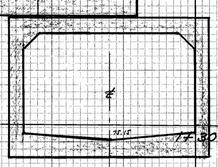
SPECIAL CONSTRUCTION SEE SHEETS #1 & #2

85

1+14

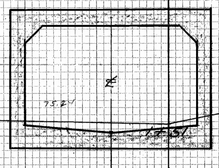
Top of Rail





75

1+30



75

1+51

CITY OF MASSILLON, OHIO

WETMORE CREEK X-SECTIONS

APPROVED CITY ENG'R. C.E.R. Rice		DEPT. OF PUBLIC SERVICE ENGINEERING DIVISION	
Plotted: T.E.R. Computed:	Scale 1"=50'	9-23-38	NB. 141 - P. 29 NB. 141 - P. 11

7/12

FILE: MD. SEC. 38 / ACCT. 4819

8/12

2

CITY OF MASSILLON, OHIO

WETMORE CREEK X-SECTIONS

APPROVED: C. E. Rice, CITY ENGR.

DEPT. OF PUBLIC SERVICE
ENGINEERING DIV.

Plotted: TER 8-23-38
Computed:
Scale: 1"=5'

N.B. 141: 229
N.B. 141: 211

1+16

1+42.67

Natural Grade

Natural Overhead

Special Conc. under E.P. Marker see Sheet No. 1 & 2

2+05

2+55.68

2+69.98 (PC)

Same as above

3+00

BASE

3+27.2 ℄ RR 3 feet to Base Line

Top of Bank

Top of Slope

Proposed top of fill

Special Conc. Under E.P. Marker See Sheets #1 & 2

>A

>A

3+50

LINE

Av. Width 18.8'

Sec. A-A

4+00

4+50

NORTH

SOUTH

0

10

20

30

40

85

85

85

85

85

85

85

90

TRAVERSE LINE or Base Line

FILE No SE 381 ACC. No. 11820

40 30 20 10 0 10 20 30 40 50

SOUTH NORTH

90

Assume (C.D) ℄ (0.2) Joint

74.77

74.77

5+50

Floor Line
Bottom Footer

77.00

90

6+00

77.72

90

℄

6+42.45

77.41

90

Power Pole

7+00

BASE

77.66

90

℄

7+50

77.28

90

Frame Pole

Old Brick Bldg.

℄

BASE

78.10

90

BEECH STREET

℄

78.25

90

℄

78.40

90

℄

9+00

78.54

60" Z Ring Brick Sewer 9+07±

CITY OF MASSILLON, OHIO

WETMORE CREEK X-SECTIONS

APPROVED C.E. Ruiz CITY ENGR.

DEPT. OF PUBLIC SERVICE
ENGINEERING DIV.

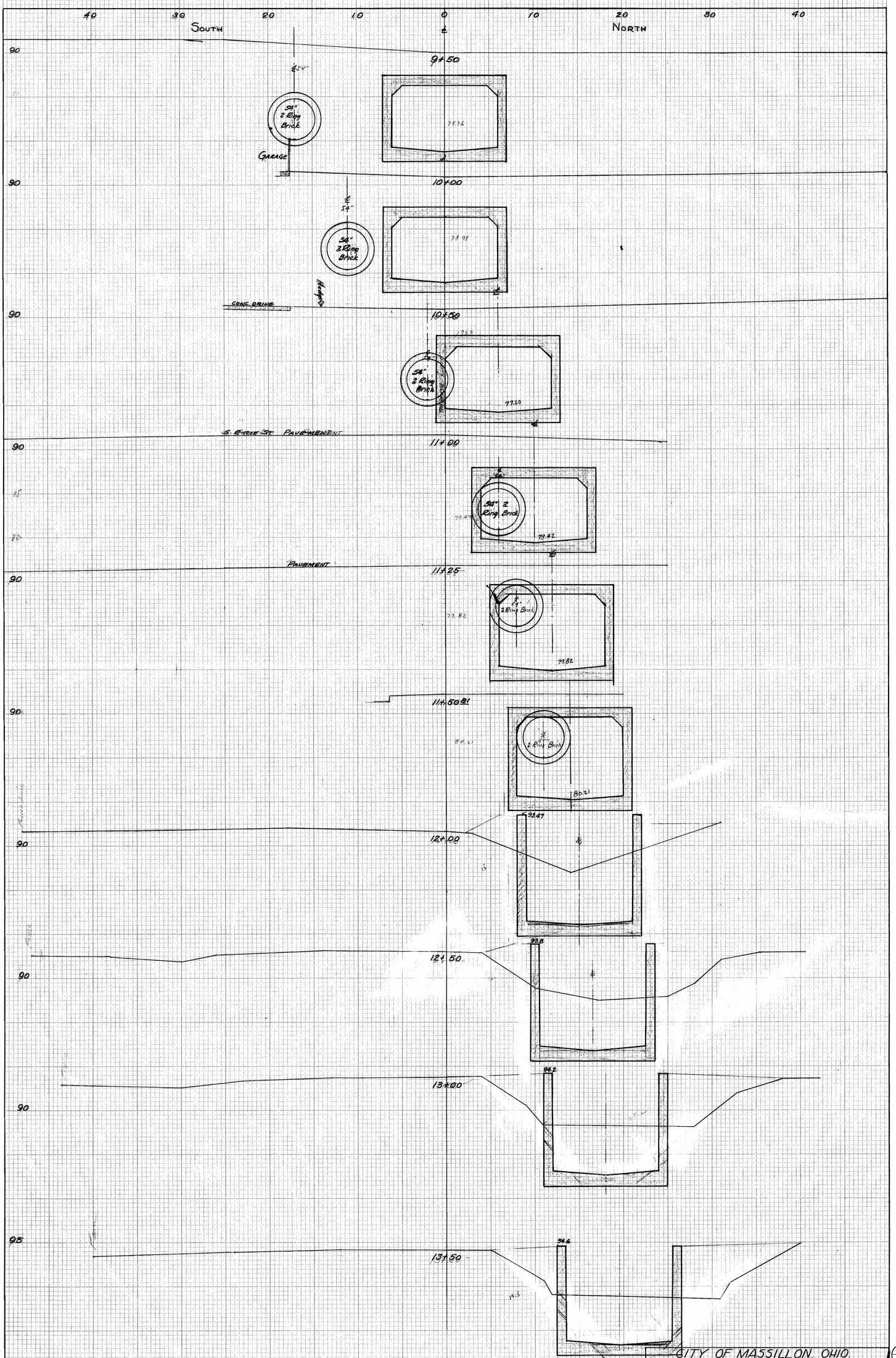
Plotted: T.E.R 9-23-38
Computed:

Scale: 1" = 5'

N.B. 141, P. 29
N.B. 141, P. 11

9
12

FILE No. SE-381 Acc No. 11821



CITY OF MASSILLON, OHIO.

10/12

WETMORE CREEK X-SECTIONS

APPROVED C.B. Zeigler CITY ENGR		DEPT. OF PUBLIC SERVICE ENGINEERING DIV.
Plotted T.E.R. Computed	9-23-38	SCALE 1"=5'
		NB 141-P29 NB 141-P11

4

FILE: No. SEC 3881 ACC No 14822