



Vertical Construction Joints about 32 c. loc. Not nearer than 6'-6" to a bearing point.

Use 3/4" moulding on this corner.

Concrete above this line for curb to be placed after bents are erected.

Steelwork finish at El. 102.51

6"-13.6 concrete seal

6" Vitrified Pipe

Grade 0.2% up

6'-13.6 concrete seal

6'-13.6 concrete seal

No.	Size	Length	Mark	Location
432	1"	7.0	A10	Dovels in bottom footing of abut
433	1"	15.0	A130	footing wing
434	1"	37.0	A370	Longitudinal footing of abut
435	1"	35.0	A350	"
436	1"	29.0	A290	"
437	1"	22.0	A220	"
438	1"	18.0	A180	"
439	1"	15.6	A156	"
440	1"	14.0	A140	"
441	1"	29.0	A290	Transverse
442	1"	25.0	A250	"
443	1"	22.0	A220	"
444	1"	20.0	A200	"
445	1"	15.0	A150	"
446	1"	12.0	A120	"
447	1"	6.6	D66	"
448	1"	37.0	B370	Longitudinal footing of pier
449	1"	35.0	B350	"
450	1"	19.0	B190	"
451	1"	15.6	B156	"
452	1"	24.6	B246	Transverse

**SPECIFICATIONS**  
 CONCRETE: To be composed of 1 part cement, 2 parts sand, and 4 parts pebbles. Bovel all exposed corners unless otherwise shown. Top surfaces to have slate-walk finish. There shall be no horizontal joints except at top of footing and underside of coping. Exposed surfaces to be rubbed as soon as forms are removed. No cement grout to be used in rubbing surfaces. Reinforcing: All bars to be determined. They shall be securely wired together at each intersection. At splices they shall lap for a length of 40 diameters and be securely wired with two coats of asphaltic waterproofing. Drains: Drains shall be laid to drain, and be connected to city sewer system by concrete contractor.

Concrete	Quantity
Concrete yardage - Abutment footing - above footing	437 cy
Concrete yardage - Abutment footing - Total	46 cy
Concrete yardage - Pier footing - above footing	278 cy
Concrete yardage - Pier footing - Total	293 cy
Waterproofing - Backs of abutments shall be painted with two coats of asphaltic waterproofing	26 cy
Reinforcing - Total	53400 #
6" Sewer Pipe Vitrified - Total	280 ft
Waterproofing - Total	200 sq ft



**M.C.R.R.-TOLEDO DIV.**  
 BRIDGE 337 LIVERNOIS AVE. SUBWAY  
 EAST ABUTMENT &  
 CENTER PIER

SCALE: 1" = 1'-0"

APPROVED: [Signature]

ENGINEER: [Signature]

DRIVEN BY: C.A.C. 3-24-1927  
 CHECKED BY: B.A.L. 4-24-1927  
 TRACED BY: C.A.C. 3-24-1927  
 REVISED BY: [Signature]  
 SHEET M1 OF 4

NOTE: See sheet M1 for Sections A, B, C and D

File XU32-29