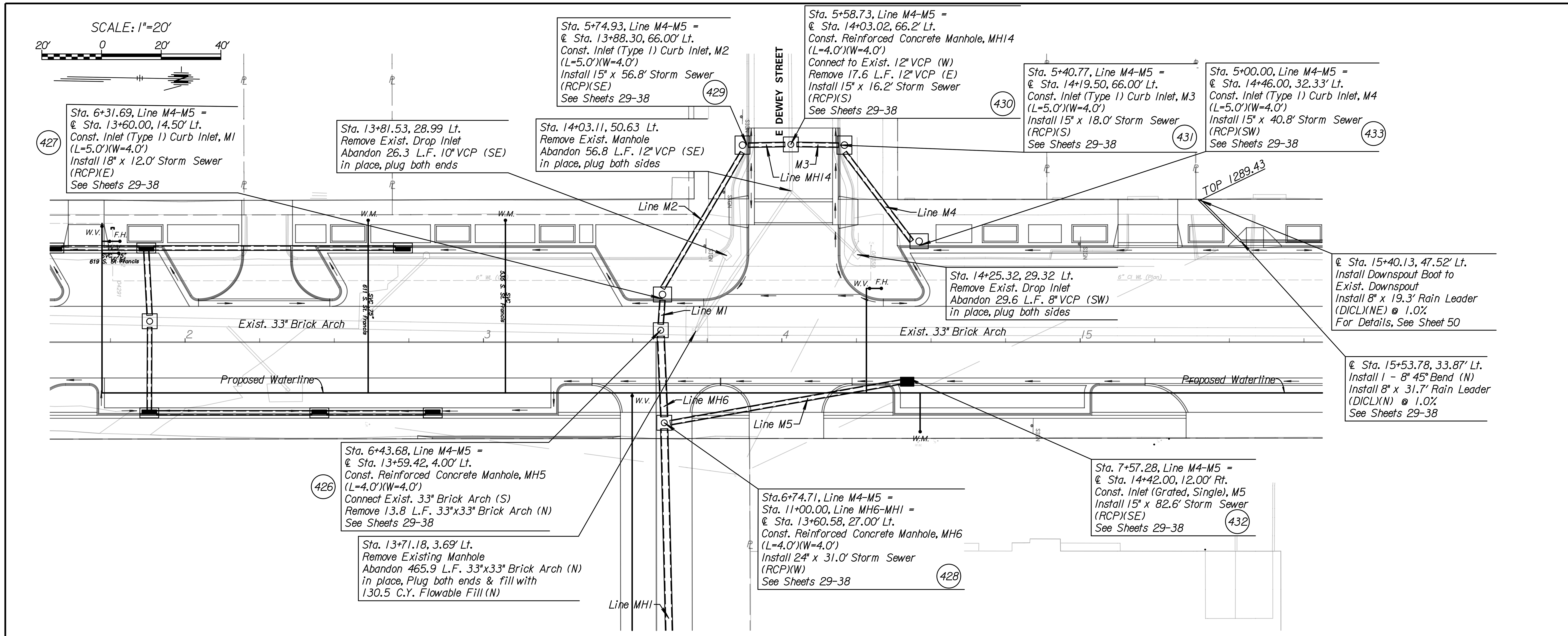
Note:
The Contractor shall field adjust Roof drain leaders clear of exposed utilities when possible.

All labor & materials necessary to construct the proposed manholes around and over the existing brick arch shall be considered SUBSIDARY to the bid item "Reinforced Concrete Manhole (L=4', W=4')."



SCALE: 1"=20'
20' 0 20' 40'
E DEWEY STREET
Sta. 6+31.69, Line M4-M5 = ℄ Sta. 13+60.00, 14.50' Lt. Const. Inlet (Type 1) Curb Inlet, M1 (L=5.0')(W=4.0') Install 18" x 12.0' Storm Sewer (RCP)(E) See Sheets 29-38 (427)
Sta. 13+81.53, 28.99 Lt. Remove Exist. Drop Inlet Abandon 26.3 L.F. 10" VCP (SE) in place, plug both ends
Sta. 5+74.93, Line M4-M5 = ℄ Sta. 13+88.30, 66.00' Lt. Const. Inlet (Type 1) Curb Inlet, M2 (L=5.0')(W=4.0') Install 15" x 56.8' Storm Sewer (RCP)(SE) See Sheets 29-38 (429)
Sta. 14+03.11, 50.63 Lt. Remove Exist. Manhole Abandon 56.8 L.F. 12" VCP (SE) in place, plug both sides
Sta. 5+58.73, Line M4-M5 = ℄ Sta. 14+03.02, 66.2' Lt. Const. Reinforced Concrete Manhole, MH14 (L=4.0')(W=4.0') Connect to Exist. 12" VCP (W) Remove 17.6 L.F. 12" VCP (E) Install 15" x 16.2' Storm Sewer (RCP)(S) See Sheets 29-38 (430)
Sta. 5+40.77, Line M4-M5 = ℄ Sta. 14+19.50, 66.00' Lt. Const. Inlet (Type 1) Curb Inlet, M3 (L=5.0')(W=4.0') Install 15" x 18.0' Storm Sewer (RCP)(S) See Sheets 29-38 (431)
Sta. 5+00.00, Line M4-M5 = ℄ Sta. 14+46.00, 32.33' Lt. Const. Inlet (Type 1) Curb Inlet, M4 (L=5.0')(W=4.0') Install 15" x 40.8' Storm Sewer (RCP)(SW) See Sheets 29-38 (433)
TOP 1289.43
Line M2
M3
Line MH14
Line M4
Line M1
Line MH6
Line M5
Line MH1
W.V. F.H.
W.M.
Exist. 33" Brick Arch
Proposed Waterline
Sta. 14+25.32, 29.32 Lt. Remove Exist. Drop Inlet Abandon 29.6 L.F. 8" VCP (SW) in place, plug both sides
℄ Sta. 15+40.13, 47.52' Lt. Install Downspout Boot to Exist. Downspout Install 8" x 19.3' Rain Leader (DICL)(NE) @ 1.0% For Details, See Sheet 50
℄ Sta. 15+53.78, 33.87' Lt. Install 1 - 8" 45° Bend (N) Install 8" x 31.7' Rain Leader (DICL)(N) @ 1.0% See Sheets 29-38
Sta. 6+43.68, Line M4-M5 = ℄ Sta. 13+59.42, 4.00' Lt. Const. Reinforced Concrete Manhole, MH5 (L=4.0')(W=4.0') Connect Exist. 33" Brick Arch (S) Remove 13.8 L.F. 33"x33" Brick Arch (N) See Sheets 29-38 (426)
Sta. 13+71.18, 3.69' Lt. Remove Existing Manhole Abandon 465.9 L.F. 33"x33" Brick Arch (N) in place, Plug both ends & fill with 130.5 C.Y. Flowable Fill (N)
Sta. 6+74.71, Line M4-M5 = Sta. 11+00.00, Line MH6-MH1 = ℄ Sta. 13+60.58, 27.00' Lt. Const. Reinforced Concrete Manhole, MH6 (L=4.0')(W=4.0') Install 24" x 31.0' Storm Sewer (RCP)(W) See Sheets 29-38 (428)
Sta. 7+57.28, Line M4-M5 = ℄ Sta. 14+42.00, 12.00' Rt. Const. Inlet (Grated, Single), M5 Install 15" x 82.6' Storm Sewer (RCP)(SE) See Sheets 29-38 (432)

1,315
1,310
1,305
1,300
1,295
1,290
1,285
1,280
(433) Structure Number: M4 Type 1 Curb Inlet (L=5.0', W=4.0') Sta. 5+00.00, Line M4-M5 ℄ Sta. 14+46.00, 32.33' Lt. Top Elevation = 1293.88
(431) Structure Number: M3 Type 1 Curb Inlet (L=5.0', W=4.0') Sta. 5+40.77, Line M4-M5 = ℄ Sta. 14+19.50, 66.00' Lt. Top Elevation = 1293.77
(430) Structure Number: MH14 4'x4' Reinforced Concrete Manhole Sta. 5+58.73, Line M4-M5 = ℄ Sta. 14+03.02, 66.22' Lt. Top Elevation = 1293.78
(429) Structure Number: M2 Type 1 Curb Inlet (L=5.0', W=4.0') Sta. 5+74.93, Line M4-M5 = ℄ Sta. 13+88.30, 66.00' Lt. Top Elevation = 1293.72
(427) Structure Number: M1 Type 1 Curb Inlet (L=5.0', W=4.0') Sta. 6+31.69, Line M4-M5 = ℄ Sta. 13+60.00, 14.50' Lt. Top Elevation = 1294.11
(426) Structure Number: MH5 4'x4' Reinforced Concrete Manhole Sta. 6+43.68, Line M4-M5 = ℄ Sta. 13+59.42, 4.00' Lt. Top Elevation = 1293.91
(428) Structure Number: MH6 4'x4' Reinforced Concrete Manhole Sta. 6+74.71, Line M4-M5 = Sta. 11+00.00, Line MH6-MH1 = ℄ Sta. 13+60.58, 27.00' Lt. Top Elevation = 1294.17
(432) Structure Number: M5 Grated Driveway Inlet, Single Sta. 7+57.28, Line M4-M5 = ℄ Sta. 14+42.00, 12.00' Rt. High Edge Elevation = 1293.93
Exist. Ground
Proposed Ground
FL Out=1291.11
FL In=1290.99
FL Out=1289.96
FL In=1289.69
12" FL In=1289.15
FL Out=1289.12
FL Out=1289.04
FL In=1289.09
FL In=1288.86
FL Out=1288.77
FL In=1288.75
33"x33" FL Out=1288.65
FL In=1289.53
MH1 FL In=1289.90 (E)
FL In=1290.41
FL Out=1289.87
FL Out=1290.80
Line M4 40.77 L.F. 15" Storm Sewer @0.33%
Line M3 17.96 L.F. 15" Storm Sewer @1.95%
Line MH14 16.20 L.F. 15" Storm Sewer @0.31%
Line M2 56.75 L.F. 15" Storm Sewer @0.35%
Line M1 12.00 L.F. 18" Storm Sewer @0.33%
Line MH6 31.02 L.F. 24" Storm Sewer @1.29%
Line M5 82.57 L.F. 15" Storm Sewer @0.49%
CAUTION!! Prop. 8" Water Line Top of Pipe = 1288.90
CAUTION!! Prop. 8" Water Line Top of Pipe = 1288.25
M4-M5

IF THIS DRAWING IS LESS THAN 22" X 36" IT IS A REDUCED SIZE DRAWING

djkratzer 2/21/2024 - 11:44:39 AM c:\transystems\pw_local\transyscorp-pw1\a-e_djkratzer\d1254772\C-SDR-M01-101.dgn

TRANSYSTEMS
245 N. WACO
SUITE 222
WICHITA, KANSAS 67202
MAIN: 316-303-3000
FAX: 316-462-5629

CONSULTANTS:

COMMERCE STREET & ST. FRANCIS AVENUE IMPROVEMENTS FROM WATERMAN TO KELLOGG

WICHITA, KANSAS

CITY OF WICHITA

REVISIONS:

MARK	DATE	DESCRIPTION

PROJ NO: 472-2021
SCALE: 1"=20'
DATE: 2/21/2024
DESIGNED BY: MLC
DRAWN BY: DJK
CHECKED BY: MDB

SHEET TITLE:

ST. FRANCIS AVENUE STORM SEWER IMPROVEMENTS SYSTEM M

SHEET NO.
33

SHEET 33 OF 163