RR. Spike in SE side P.P. on NW corner of St. Francis Ave & 33rd St. — City Elev. 131.65

NORTH WICHITA INDUSTRIAL PARK STORM DRAINAGE
CITY OF WICHITA, KANSAS
LINE CD

References For P.I. Sta. 154+97.82
1. 5/8" Iron Bar 1' Below Grade
2. N & T, W Face PP 78.68' N
3. Extreme N end B/W Brk. on 4" Post W of Fence Cor. 75.40' N
4. E & W end, top Bolt, S Face & Gate Po. 98.89' NW

References For P.I. Sta. 156+46.72
1. 5/8" Iron Bar
2. E & Top, SH End Po. 17.81' E
3. N & T, W Face Light Pole. 33.46' NE
4. Top & SE edge SH Gate Po. 59.50' NW

References For P.I. Sta. 164+33.00
1. 5/8" Iron Bar
2. N & T, S Face PP 69.42' W
3. " " W Str Light 50.90' SE
4. Chiseled "+" W End 36" RCP 21.32' E

References For P.I. Sta. 165+95.45
1. 5/8" Iron Bar
2. E & Top Switch Stand 64.24' NE
3. " " " " 39.23' NW
4. N & T, SW Face O. Guy Pole 37.22' SE

References For P.O.T. Sta. 167+05.64
1. 5/8" Iron Bar @ R.T.W. (Alley)
2. N & T, N Face T PPP 7.81' E
3. 15.2' S of S Edge of House Wall

SWD #14

Sta 154+15 Begin Complete Channel Rock Riprap
Permanent Easement 65' E
4" Water Line to be Protected During Construction
Grade Ditch to New Inlet
P.I. Sta. 154+97.82
10' Dike
Remove Exist. 30" R.C.P.
Fill Exist. Ditch
Remove Exist 4" Abandoned Line Where Required & Cap Ends.
Con. Sec. 33
N-S-E Sec. 33
MOSLEY AVE.
33RD ST.
Exist. Asph. Surf.
Exist. R/W 30' E
R/W 30'±E
Survey Line
Protect Water Line
Sta. 157+00 Begin Reshape & Resurface Disturbed Area on 33rd Street End Sta. 164+50±
Lead Trk. "A"
Lead Trk. "B"
Sta. 154+84 (Tan) - 29' Rt. Const. Ditch Inlet (Type IA) Install 36" x 32 Lin Ft Storm Sewer Pipe. Rt. Connect to Line CD See Sh. No. 18
Sta. 156+6.0' Rt. & Const. Ditch Inlet (Type I) Install 30" x 6 Lin Ft Storm Sewer Pipe Connect to Line CD See Sh No. 18
See Profile Dt. & (below)
Curve Data
P.I. Sta. 154+97.82
Δ = 59°51'45"
T = 34.54'
L = 62.69'
R = 60.00'
D = 95°30'00"
Hot Mix Asphalt Surfacing
Fill
Cut
TYPICAL SECTION 33RD ST.
P.I. Sta. 156+46.72
Coleman Company Gravel Parking
Sta. 154+63 to Sta. 159+50 - 20' Lt. Install 36" x 79" CMAP (12 Ga Paved) See Sh No. S-66 to S-68 for Headwall
Asphalt cracking & spalling off C.M. Pipe
Sta. 159+50 to Sta. 161+30 (20' Lt. &) Const. Ditch Inlet (Type I) Install 113" x 72" RCP (HEC III) or 112" x 75" CMAP (80a Paved)
Sta. 159+70 - 53' Lt. & Const. Ditch Inlet (Type I) Install 24" x 32 Lin. Ft. Storm Sewer Pipe (80a or Cl IV) Outlet to Manhole See Sh. No. 18
Lead Trk. "B"
Sta. 159+50 20' Lt. & Const. Reinf. Mh with Heavy Frame & Cover Wi = 4.0', Li = 7'0", Hi = 10' See Sh. No. 23
Water Line & Valve Box to be Relocated by Others
Approximate ℄ of Proposed Tracks. (A & SF)
Sta. 159+50 - 8.00' Lt. & Const. Ditch Inlet (Type IA) Install 36" x 9 Lin Ft Storm Sewer Pipe Connect to Manhole See Sh. No. 18
Sta. 161+30 to Sta. 164+00 (20' Lt. &) Install 113" x 72" RCP (HEC III) or 112" x 75" CMAP (120a Paved)
Sta. 163+92.86
Fill Exist. Ditch
Temp Easement
Long Trk. "A"
8" Water Line & 4" Gas Line to be Adjusted by Their Respective Owners
Temp. Esm't. Reset Guy
Sta. 163+60 - 7.50' Lt. & Const. Ditch Inlet (Type IA) Install 36" x 6 Lin Ft Storm Sewer Pipe Connect to Line CD See Sh. No. 22
Protect 4" Gas Line
Grade New Ditch from Exist 36" x 24" MACP to New Inlet @ Sta. 163+60
Plug Exist. 36" x 36" CMP
Grade New Interceptor Ditch See Pr.
Permanent Easement
SANTA FE AVE.
MEADE AVE.
Sta. 161+50 (8' Lt. &) Const. Ditch Inlet (Type I) Install 15" x 14 Lin. Ft. Storm Sewer Pipe Connect to Line CD See Sh. No. 18
Sta. 164+40 - 9.50' Lt. & Const. Ditch Inlet (Type I) Install 24" x 6 Lin. Ft. Storm Sewer Pipe Connect to Line CD See Sh. No. 18
Sta. 164+00 - 54' Lt. & Const. Ditch Inlet (Type I) Install 24" x 33 Lin. Ft. Storm Sewer Pipe to MH See Sh. No. 18
Sta. 164+00 20' Lt. & Const. Reinf. Conc. Manhole - Skew 15° Rt. Wi = 4.0', Li = 12.0', Hi = 10' Use Heavy Type Ring & Cov. See Sh. No. 23
Sta. 164+00 to Sta. 166+18 & Install 98" x 63" RCP (HEC III) or 95" x 61" CMAP (120a Paved) Use 15° bevel pipe bends & Pls.
Sta. 166+18 to Sta. 166+72 & Install 98" x 63" RCP (HEC IV) or 95" x 61" CMAP (80a Paved) To be Installed (Tunneling & Jacking) By Contractor
Sta. 166+65 - Begin 50 Sq. Yd. (12" Thick) Rock Riprap
Permanent Easement
Perm. Esm't.
Sta. 166+72 - Const. Spec. Inlet Manhole See Sh. No. 22
Grade Ditch from 15" RCP to New 36" MACP
Plug Entrance to Exist. Wood Box Culvert
Install Dbl 36" x 22" x 30 L.F. C.S.M.A.C. See Profile Below
Remove Ex. 12" RCP
Regrade & Resurface 150 Lin. Ft. of Street (Match Ex. St.)
ST. FRANCIS AVE.
ST. FRANCIS

Bill C-12: 60 J Spk. Sp. N on N side 33rd St. Chiseled R.R. El. 1318.62 — City Elev. 131.22
Bill C-11: Chiseled Conc. Valve Box Sta. 159+85 El. 1316.93 — City Elev. 129.53
℄ Proposed Track on ℄ Pipe
Profile ℄ Const.
Top of Dike
Exist. 24" End Pipe
Exist. 36" End Pipe
100 L.F.
113" x 72" RCP (HEC-CI IV) or 112" x 79" CMAP (80a 100% Paved)
121" x 77" R.C.P. (HE-CI III) or 117" x 79" CMAP (120a 100% Paved)
Spec. Ca. Bedding
12" Water Line
113" x 72" RCP (HE-CI III) or 112" x 79" CMAP (120a 100% Paved)
98" x 63" RCP (HEC III) or 95" x 61" CMAP (120a Paved)
98" x 63" RCP (HEC IV) or 95" x 61" CMAP (80a 100% Paved)
Top Inlet El. 1315.0 Inlet ℄ 1309.50 @ Wing 30' ℄ 1309.20
Top Inlet El. 1315.4 Inlet ℄ 1309.40 @ Wing 36' ℄ 1309.20
Top Inlet El. 1316.0 @ Lt. ℄ Inlet ℄ 1310.00 @ Line CD 36' ℄ 1309.90
Top Inlet El. 1316.5 @ Lt. ℄ Inlet ℄ 1311.32 Line CD 24' ℄ 1311.00
Top Inlet El. 1315.9 @ Lt. ℄ Inlet ℄ 1311.6 @ Line CD 15' ℄ 1311.5
Top Inlet El. 1316.3 @ Rt. ℄ Inlet ℄ 1310.40 Line CD 36' ℄ 1310.40
Top Inlet El. 1317.0 @ Rt. ℄ Inlet ℄ 1311.00 Line CD 24' ℄ 1310.90
Top Inlet El. 1316.8 @ Rt. ℄ Inlet ℄ 1311.60 Line CD 15' ℄ 1311.50
Top M.H. El. 1316.52 M.H. ℄ 1309.20
Ex. Ground
Sp Dt -0.35%
Sp Dt +0.20%
Sp Dt +0.46%
Ex. 12" RCP
Double 36" x 22" M.A.C.P.
℄ Traveled Way St. Francis Ave
Dwg. S-66 to S-68 for Headwall
Drop Q = 97.66
Expectation
PROFILE - INTERCEPTOR DITCH - TYPICAL SECTION

Rev. 6/18/73
68-46-110
11/26