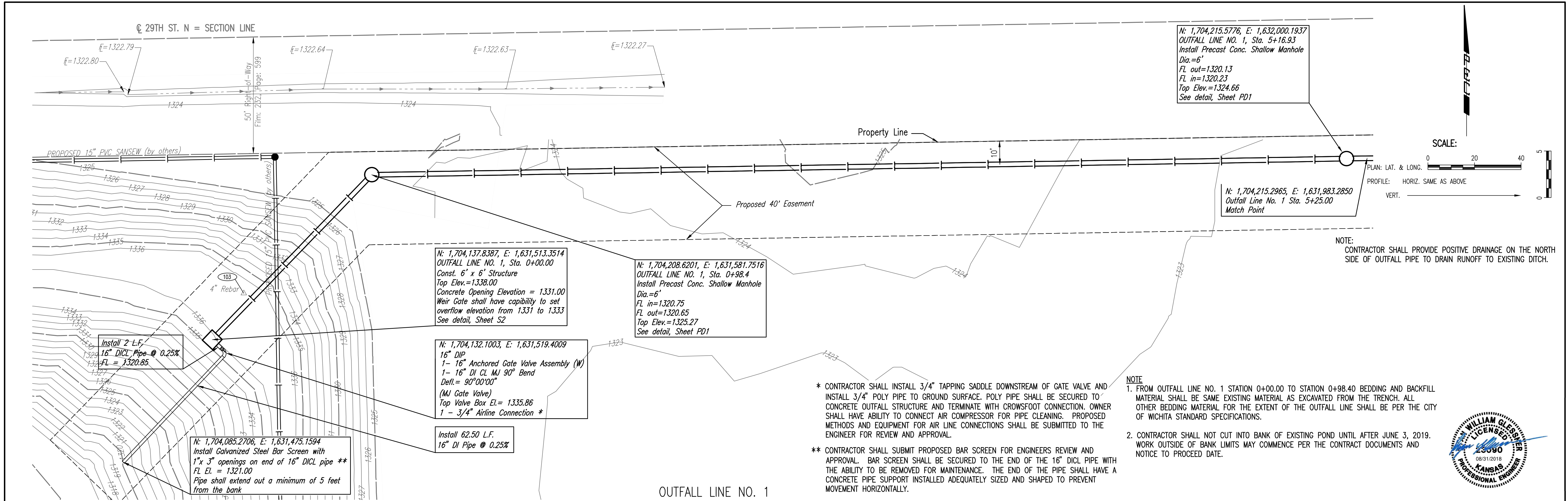


DATE: _____
 BY: _____
 CHECKED: _____
 PLAN

DATE: _____
 BY: _____
 CHECKED: _____
 PROFILE

Sheet 08-30-2018, 8:58:14 AM by KURTIS DEKAT
 P:\K_Specs\11-08-17-2018\826239_Alt by KURTIS DEKAT
 C:\Wichita-Civil\2016\160316\003\Main Drawings\PP1 LAGOON OUTFALL PLAN & PROFILE



$N: 1,704,215.5776, E: 1,632,000.1937$
 OUTFALL LINE NO. 1, Sta. 5+16.93
 Install Precast Conc. Shallow Manhole
 Dia. = 6'
 FL out = 1320.13
 FL in = 1320.23
 Top Elev. = 1324.66
 See detail, Sheet PD1

$N: 1,704,137.8387, E: 1,631,513.3514$
 OUTFALL LINE NO. 1, Sta. 0+00.00
 Const. 6' x 6' Structure
 Top Elev. = 1338.00
 Concrete Opening Elevation = 1331.00
 Weir Gate shall have capability to set
 overflow elevation from 1331 to 1333
 See detail, Sheet S2

$N: 1,704,208.6201, E: 1,631,581.7516$
 OUTFALL LINE NO. 1, Sta. 0+98.4
 Install Precast Conc. Shallow Manhole
 Dia. = 6'
 FL in = 1320.75
 FL out = 1320.65
 Top Elev. = 1325.27
 See detail, Sheet PD1

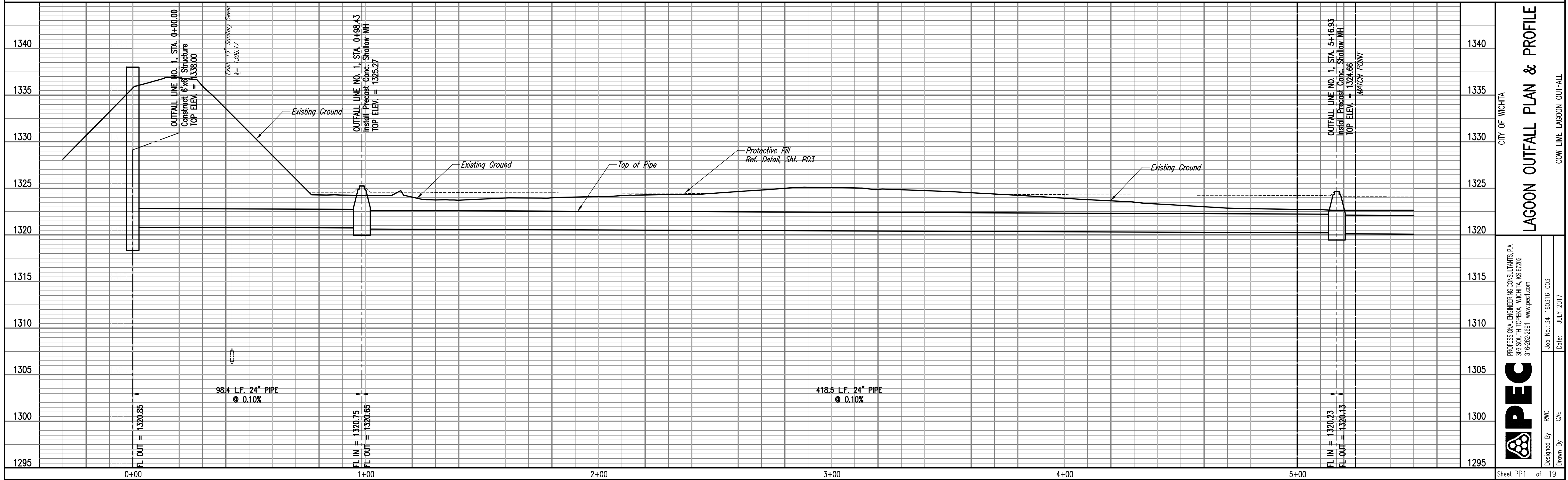
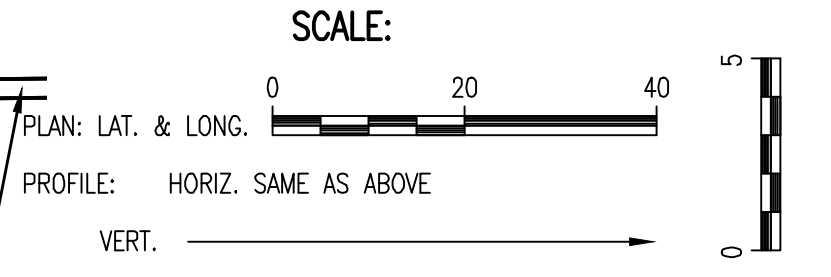
$N: 1,704,132.1003, E: 1,631,519.4009$
 16" DIP
 1 - 16" Anchored Gate Valve Assembly (W)
 (MJ Gate Valve)
 Defl. = 90°00'00"
 Top Valve Box El. = 1335.86
 1 - 3/4" Airline Connection *

$N: 1,704,085.2706, E: 1,631,475.1594$
 Install Galvanized Steel Bar Screen with
 1" x 3" openings on end of 16" DI CL pipe **
 FL El. = 1321.00
 Pipe shall extend out a minimum of 5 feet
 from the bank

Install 62.50 L.F.
 16" DI Pipe @ 0.25%

- NOTE:
- * CONTRACTOR SHALL INSTALL 3/4" TAPPING SADDLE DOWNSTREAM OF GATE VALVE AND INSTALL 3/4" POLY PIPE TO GROUND SURFACE. POLY PIPE SHALL BE SECURED TO CONCRETE OUTFALL STRUCTURE AND TERMINATE WITH CROWSFOOT CONNECTION. OWNER SHALL HAVE ABILITY TO CONNECT AIR COMPRESSOR FOR PIPE CLEANING. PROPOSED METHODS AND EQUIPMENT FOR AIR LINE CONNECTIONS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
 - ** CONTRACTOR SHALL SUBMIT PROPOSED BAR SCREEN FOR ENGINEERS REVIEW AND APPROVAL. BAR SCREEN SHALL BE SECURED TO THE END OF THE 16" DI CL PIPE WITH THE ABILITY TO BE REMOVED FOR MAINTENANCE. THE END OF THE PIPE SHALL HAVE A CONCRETE PIPE SUPPORT INSTALLED ADEQUATELY SIZED AND SHAPED TO PREVENT MOVEMENT HORIZONTALLY.

NOTE:
 CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE ON THE NORTH
 SIDE OF OUTFALL PIPE TO DRAIN RUNOFF TO EXISTING DITCH.



CITY OF WICHITA
 LAGOON OUTFALL PLAN & PROFILE
 COW LINE LAGOON OUTFALL

PROFESSIONAL ENGINEERING CONSULTANTS P.A.
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 316-262-2691 www.pec1.com
PEC
 Designed By: RMC
 Drawn By: CAE
 Job No.: 34-160316-003
 Date: JULY 2017
 Sheet PP1 of 19