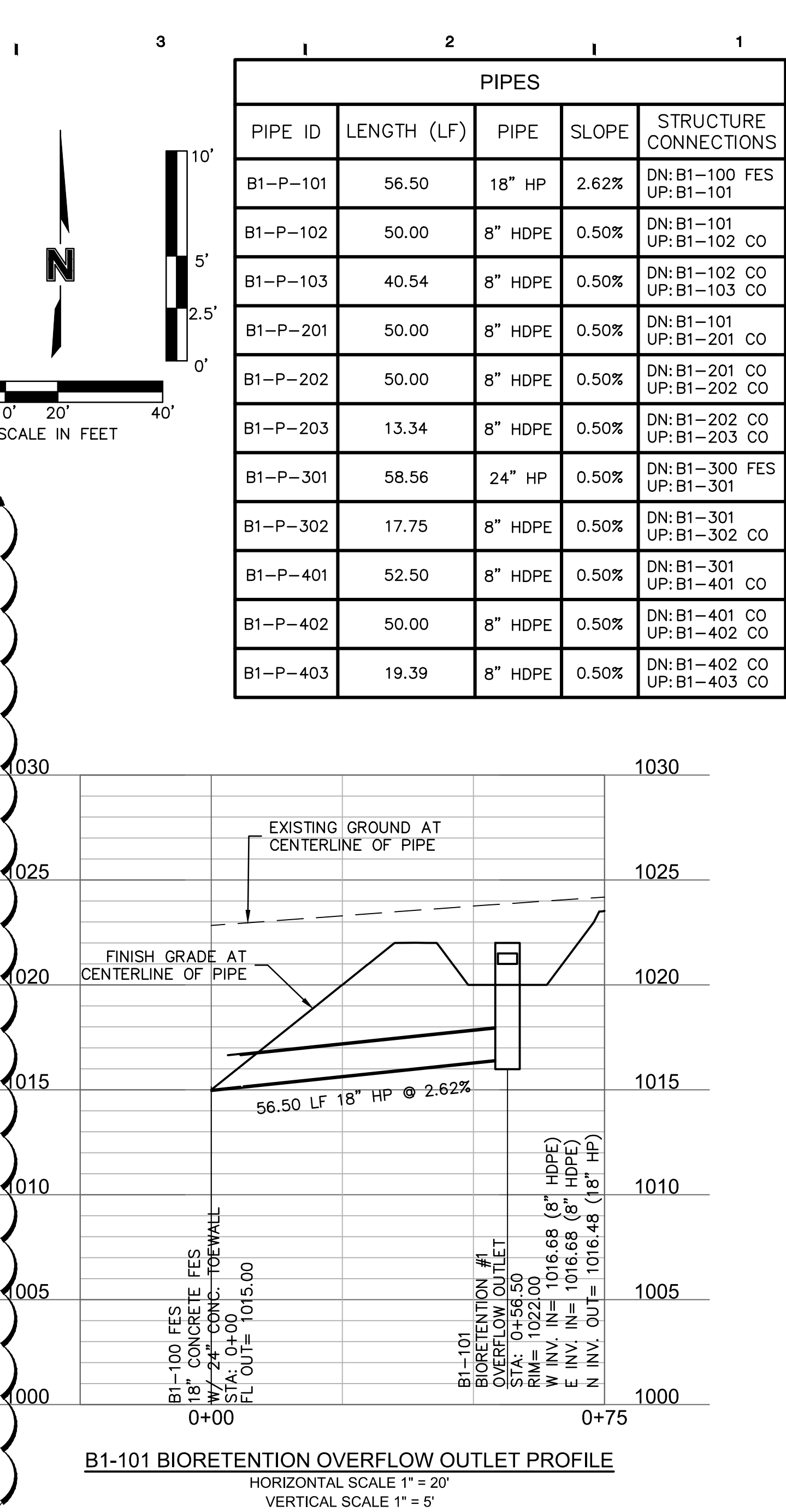
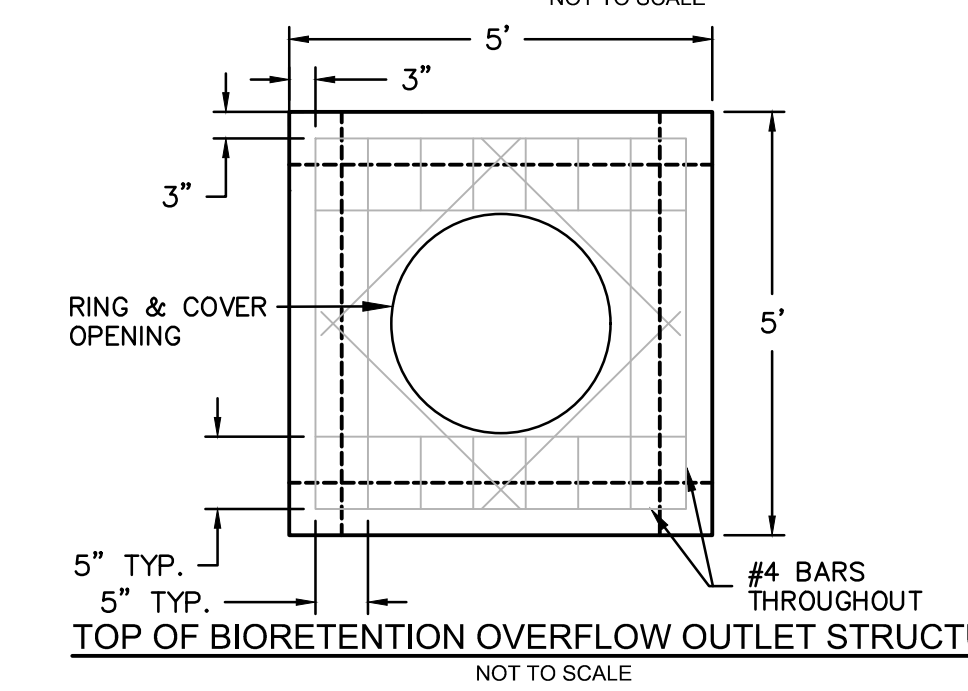




STRUCTURES	
STRUCTURE ID	DESCRIPTION
B1-101	BIORETENTION #1 OVERFLOW OUTLET RIM = 1022.00 W INV IN = 1016.68 (8" HDPE) E INV IN = 1016.68 (8" HDPE) N INV OUT = 1016.48 (18" HP) N: 995592.759; E: 2836364.072
B1-102 CO	STORM CLEAN OUT W/ WATER TIGHT LID RIM = 1020.00 W INV IN = 1016.93 (8" HDPE) E INV OUT = 1016.93 (8" HDPE) N: 995594.697; E: 2836314.110
B1-103 CO	STORM CLEAN OUT W/ WATER TIGHT LID RIM = 1020.00 E INV OUT = 1017.13 (8" HDPE) N: 995596.267; E: 2836273.602
B1-201 CO	STORM CLEAN OUT W/ WATER TIGHT LID RIM = 1020.00 E INV IN = 1016.93 (8" HDPE) W INV OUT = 1016.93 (8" HDPE) N: 995590.822; E: 2836414.035
B1-202 CO	STORM CLEAN OUT W/ WATER TIGHT LID RIM = 1020.00 E INV IN = 1017.18 (8" HDPE) W INV OUT = 1017.18 (8" HDPE) N: 995588.885; E: 2836463.997
B1-203 CO	STORM CLEAN OUT W/ WATER TIGHT LID RIM = 1020.00 W INV OUT = 1017.25 (8" HDPE) N: 995588.368; E: 2836477.327
B1-301	BIORETENTION #1 OVERFLOW OUTLET RIM = 1022.00 E INV IN = 1015.49 (24" HP) S INV IN = 1016.62 (8" HDPE) N INV IN = 1016.62 (8" HDPE) W INV OUT = 1015.29 (24" HP) N: 995706.864; E: 2836516.812
B1-302 CO	STORM CLEAN OUT W/ WATER TIGHT LID RIM = 1020.00 S INV OUT = 1016.71 (8" HDPE) N: 995723.821; E: 2836522.068
B1-401 CO	STORM CLEAN OUT W/ WATER TIGHT LID RIM = 1020.00 S INV IN = 1016.88 (8" HDPE) N INV OUT = 1016.88 (8" HDPE) N: 995656.718; E: 2836501.270
B1-402 CO	STORM CLEAN OUT W/ WATER TIGHT LID RIM = 1020.00 S INV IN = 1017.13 (8" HDPE) N INV OUT = 1017.13 (8" HDPE) N: 995608.959; E: 2836486.467
B1-403 CO	STORM CLEAN OUT W/ WATER TIGHT LID RIM = 1020.00 N INV OUT = 1017.23 (8" HDPE) N: 995590.441; E: 2836480.721



BIORETENTION OVERFLOW OUTLET STRUCTURE NOTES:

1. BOTTOM TO BE POURED IN PLACE.
2. PIPE TO BE ON GRADE BEFORE BOTTOM IS CONSTRUCTED.
3. RAM-NEK ALL JOINTS (OR EQUAL).
4. #4 BARS @ 10" C.C. VERT. & HOR. IN WALLS & BOTTOM.
5. REINFORCING BARS SHALL BE CUT OR BENT AT PIPE OPENINGS.
6. ALL PIPES SHALL FIT FLUSH WITH INSIDE FACE OF BOX.
7. BOTTOM OF BOX TO BE FILLED WITH CONCRETE TO 6" ABOVE INVERT OF PIPE FORMING CHANNELS TOWARD OUTLET PIPE FROM ALL INLET PIPES.
8. ALL CONCRETE SHALL HAVE 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
9. ALL REINFORCING BARS TO BE DEFORMED BARS AND MEET REQUIREMENTS OF 1966 ASTM STANDARDS NO. A-615-68 MIN. GRADE 40.
10. MUST MAINTAIN 6" CLEARANCE BETWEEN THE PIPE AND WALLS FOR PRECAST BOXES.

1.0	INSTALL F.E.S. (SIZED TO MATCH PIPE) W/CONCRETE TOE WALL AND 6'W X 10'L RIPRAP PAD (REFER TO SHEET C903 FOR DETAILS)
1.1	INSTALL STORM PIPE. REFER PIPE TABLE THIS SHEET (REFER TO SHEET C903 FOR BEDDING DETAIL)
1.2	INSTALL BIORETENTION BASIN 1 OVERFLOW OUTLET STRUCTURE. SEE STRUCTURE TABLE THIS SHEET (REFER TO THIS SHEET FOR DETAILS)
1.3	INSTALL STORM CLEAN OUT (REFER TO SHEET C903 FOR DETAILS)
1.4	INSTALL PERFORATED HDPE UNDERDRAIN. SEE PIPE TABLE THIS SHEET (REFER TO BIORETENTION CROSS SECTION DETAIL THIS SHEET).



STA: 0+00 TO 1+00.00
HORIZONTAL SCALE 1" = 20'
VERTICAL SCALE 1" = 5'

<u>LEGEND</u>		
		RIGHT-OF-WAY LINE
		PROPERTY LINE
		UTILITY EASEMENT
		BUILDING SETBACK
----	1315	CONTOUR - EXISTING GRADE
----	1313	CONTOUR - FINISHED GRADE
	GAS	PR. GAS LINE
	P-OH	PR. POWER LINE - OVERHEAD
	P-UG	PR. POWER LINE - UNDERGROUND
	SS	PR. SANITARY SEWER LINE
----	SD	PR. STORM SEWER LINE
	TEL	PR. TELEPHONE LINE
	W	PR. WATER LINE
	FO	EX. FIBER OPTIC LINE
	GAS	EX. GAS LINE
	P-OH	EX. POWER LINE - OVERHEAD
	P-UG	EX. POWER LINE - UNDERGROUND
	SS	EX. SANITARY SEWER LINE
	SD	EX. STORM SEWER LINE
	TEL	EX. TELEPHONE LINE
	W	EX. WATER LINE

olsson


MISSOURI
ONE-CALL-SYSTEM
1-800-DIG-RITE OR 811
www.mo1call.com

Olsson Engineering MO State Certificate of Authority #001592
Olsson Landscape Architecture MO State Cert. of Authority #200500028
550 St. Louis St. TEL 417.890.8802
Springfield, MO 65806 FAX 417.890.8805 www.olsson.com
Olsson Project #018-1450

SWD
ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

LEE'S SUMMIT SENIOR COMMUNITY
1701 S.E. OLDHAM PARKWAY
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS RD, STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.531.1978

SEAL

AS-BUILT
03-23-2022

ENLARGED
STORMWATER
DETAILS

SSUE DATE:

6-14-2019

REVISIONS:

REVISIONS:

REVIEW CMMTS. -

3 ENG. REVIEW CMMTS. - 07/19/2019
5 ENG. REVIEW CMMTS. - 08/13/2019

PROJECT NO.: 11811

C901

COPYRIGHT © 2018 SWD ARCHITECTS INC.