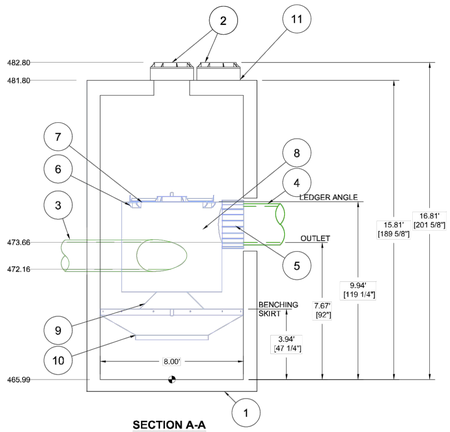
PARTS LIST: 8' DOWNSTREAM DEFENDER

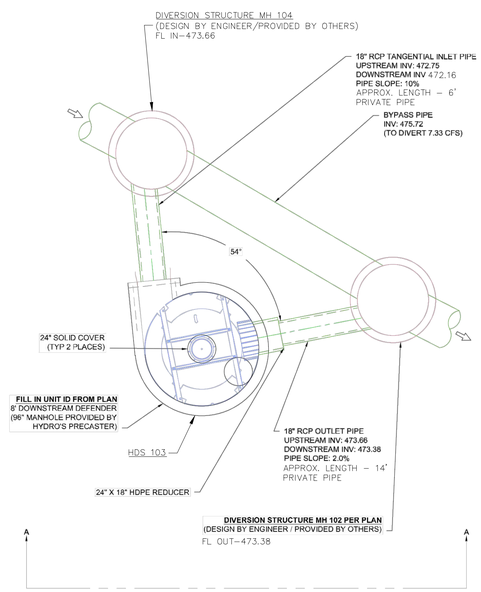
ITEM	SIZE (IN)	MATERIAL	DESCRIPTION
1	96	CONCRETE	I.D. PRECAST MANHOLE
2	24	-	FRAME & COVER
3	18	RCP	INLET PIPE (BY OTHERS)
4	18	RCP	OUTLET PIPE (BY OTHERS)
5	24 X 18	-	PIPE COUPLING (BY OTHERS)
6	-	-	LEDGER ANGLE
7	-	-	SUPPORT FRAME
8	-	-	DIP PLATE
9	-	-	CENTER SHAFT & CONE
10	-	-	BENCHING SKIRT
11	-	-	MATERIALS & LABOR TO ACHIEVE FINAL GRADE (BY OTHERS)

NOTES:

- ENGINEER / CONTRACTOR TO CONFIRM PIPE MATERIALS.
- CONTRACTOR IS RESPONSIBLE FOR MATERIALS AND LABOR TO BRING CASTINGS TO FINISHED GRADE
- ACTUAL DEPTH OF STRUCTURE MAY VARY DEPENDING ON AVAILABLE PRECAST FORMS. CONTRACTOR TO MEASURE HEIGHT OF STRUCTURE TO ENSURE THAT DEPTH OF EXCAVATION IS CORRECT.
- UNIT SHALL CONFORM TO HS20-44 LOAD RATINGS.
- ALL CONNECTIONS TO DOWNSTREAM DEFENDER TO BE A-LOK CONNECTIONS.



SECTION A-A
1/4" = 1'



PLAN VIEW
1" = 5'

NOTE:

SHOP DRAWINGS ARE REQUIRED TO BE SUBMITTED TO THE CITY OF O'FALLON FOR HDS 103

BROOKSIDE ADDITION - PHASE 4
O'FALLON, MO
DATE: 01/02/24 DRAWN: CJM
PROJECT #: S389680 CHECKED: HILAJ

DATE	DRAWN	CHKD	DESCRIPTION

STORMWATER SOLUTIONS
4640 TRUEMAN BLVD
HILLIARD, OH 43026
(877) 582-1890
WWW.HYDROINT.COM

Hydro International

THE HYDROINTERNATIONAL LOGO IS A REGISTERED TRADEMARK OF HYDROINTERNATIONAL PLC. THE STYLE OF THE DEFENDER SERIES IS A TRADEMARK OF HYDROINTERNATIONAL PLC.

ADS
4640 TRUEMAN BLVD
HILLIARD, OH 43026

AS NOTED

THIS DRAWING WAS PREPARED BASED ON INFORMATION PROVIDED TO AND UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO PROVIDE THE PRODUCT DIRECTION AND ALL ASSOCIATED DETAILS AND SPECIFICATIONS AND TO REJECT ALL NON-COMPLIANT INFORMATION AND PRODUCT COMPONENTS.

SHEET 2 OF 2

ISSUE	DATE / REMARKS
1	1-19-2024 Initial Submittal
2	5-01-2024 City Comment Revisions
3	6-21-2024 City Comment Revisions
4	7-30-2024 City Comment Revisions
5	8-30-2024 City Comment Revisions

PROJECT TITLE
BROOKSIDE ADDITION PHASE 4
O'FALLON, MISSOURI

THE STERLING CO.
ENGINEERS & SURVEYORS
5055 New Baumgartner Road
St. Louis, Missouri 63129
Ph 314-487-0440 Fax 314-487-8944
www.sterling-eng-sur.com
Corporate Certificate of Authority #001348

STATE OF MISSOURI
RODNEY WINOLD ARNOLD
NUMBER PE-2002016612
PROFESSIONAL ENGINEER

Date: 8/30/2024
RODNEY ARNOLD
LICENSE # PE-2002016612
Professional Engineer

Lombardo Homes of St. Louis, LLC
4 Research Park Drive, Suite 130
St. Charles, Missouri 63304
Ph. (636) 265-2710
Fax (636) 695-3195
www.lombardohomesstlouis.com

DOWNSTREAM DEFENDER DETAILS

P+Z No. 23-010457
City No. 24-000568
Date: 8/30/2024
Job No. 22-09-284

Page No.
DTL-6
IMP