

From: Sunesis Construction

2610 Crescentville Rd.

West Chester, OH 45069

513-326-6000

Date: 07/31/19

Project Name: BCEO - Hamilton Mason Rd @ Gilmore Rd Roundabout

OWNER / ENGINEER / ARCHITECT

Project #: BUT-CR21-1.31

Submittal #: 001

To: David Quimby, P.E., S.I.

Butler County Engineer's Office

BCEO

1921 Fairgrove Avenue (S.R. 4) Hamilton, OH 45011-1965

Submittal Status		Location In (Contrac	ct Documents	Alternate to Spec.
(New or Prior)	Item Identification & Description	Drawing No.		Spec. Section	(Yes or No)
New	Water Quality Structure	50/50	-	895	N
			-		
			-		
			-		
			-		

Additional Comments / Desc	ription / Clarification:
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Sunesis requests thi	is submittal be expedited	to facilitate procurement	for materials needed	I due to long lead times.

CONTRACTOR CERTIFICATION AND OWNER / ENGINEERS COMMENTS

Sunesis Construction Company Butler County Engineers Office

Supplier: Ferguson Waterworks

CONTRACTOR

Reviewed: x

Manufacturer:

Date: 7/31/19

By: (/ustin Mun-

Contech

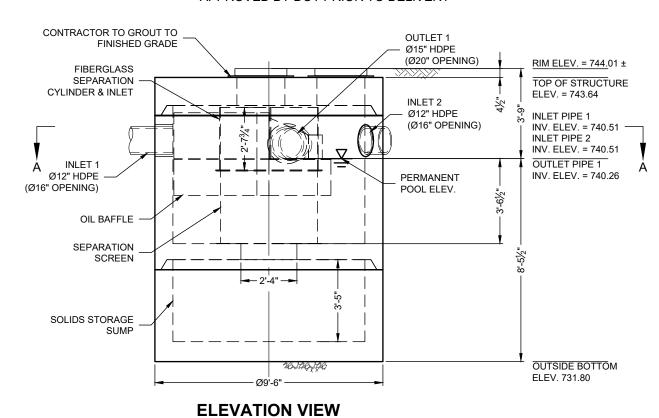
Comments: Please Expedite Review

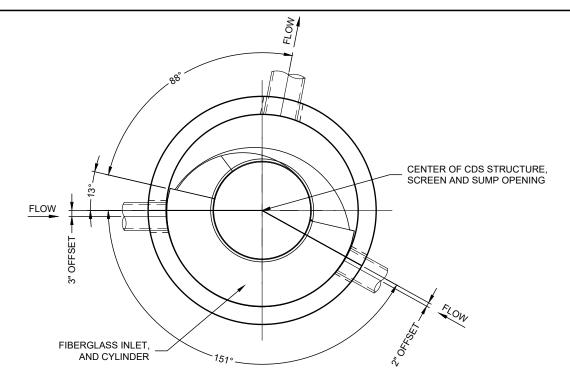
OUTLET 1

PLAN VIEW

• INTERNAL COMPONENTS TO BE INSTALLED BY CONTECH FIELD CONSULTANT ON SITE

■ STRUCTURE SHALL BE INSPECTED AND APPROVED BY DOT PRIOR TO DELIVERY





SECTION A-A

MATERIAL LIST (PROVIDED BY CONTECH)

COUNT	DESCRIPTION	INSTALLED BY
1	FIBERGLASS INLET AND CYLINDER	CONTECH
1	2400 micron, 4' O.D. x 3.04' SEP. SCREEN	CONTECH
1	SEALANT FOR JOINTS (BY PRECASTER)	CONTRACTOR
2	,	
2	Ø24" x 4" FRAME & COVER, EJ#41600389, OR EQUIV.	CONTRACTOR

- 1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- 2. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
- 3. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
- 4. STRUCTURE SHALL MEET AASHTO HS-20 LOAD RATING, ASSUMING EARTH COVER OF 0' 2', AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
- 5. IF REQUIRED, PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER.
- REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.
- 6. CDS STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND AASHTO LOAD FACTOR DESIGN METHOD.

- A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE
- C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE
- D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPE(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
- E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

STRUCTURE WEIGHT

APPROXIMATE HEAVIEST PICK = 26000 LBS. STRUCTURE IS DELIVERED IN 3 PIECES

MAX FOOTPRINT = Ø9'-6"

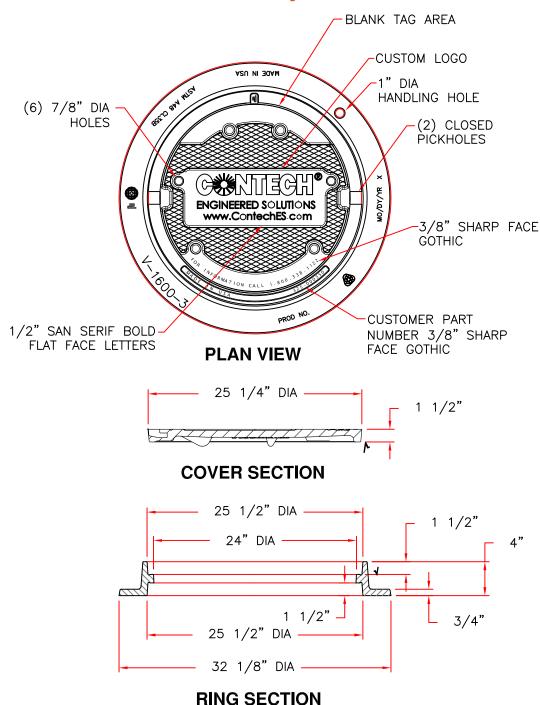


for SYSTEM: WATER OLD ITY
HAMILION, OH
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HAMII TON MASON RD AT GII MORE
- CDS4030-8-C - 623625-10
DE0.4000 0 0.0000 40

DATE:	SCALE:
07/29/19	1/4" = 1'-0"
ESIGNED:	DRAWN:
MAK	MAK
CHECKED:	APPROVED:
BOL	JLW
ROJECT No.:	SEQUENCE No.:
623625	10
SHEET:	
4	o= 4

LAYOUT 1A 4030-8-FGIS 5824 / NORW10

V1600-3 V1610-3 Assembly





Product Number

41600389

Design Features
-Materials
Frame
Gray Iron (CL35B)
Cover
Gray Iron (CL35B)

-Design Load

Heavy Duty

-Open Area

n/a -Coating

Lindian

Undipped

- √ Designates Machined Surface

Certification

- ASTM A48

-Country of Origin: USA

Major Components

41600310 41600374

Drawing Revision

05/02/2008 Designer: DEW 6/20/2017 Revised By: DAE

Disclaimer

Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

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Contact

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