



CITY of CRYSTAL

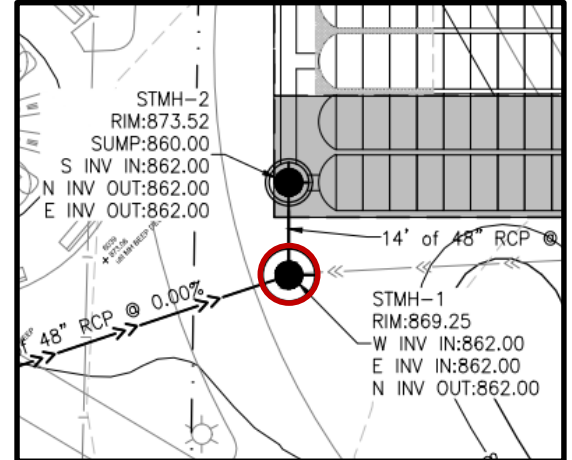
Preserver Case Study

Becker Park - Crystal, MN



Background:

- The Preserver was specified to provide pretreatment prior to discharge to an underground infiltration system
- **Drainage Area:**
 - 173 acres, mixed use: residential, commercial, & institutional
 - 76 acres impervious (44%)
 - Mature tree canopy in residential areas
- **Structure:**
 - 9' diameter
 - 6' sump depth
 - Ø48" inlet, with dissipator
 - Ø48" outlet, with skimmer



Designed and located for pretreatment



June 1, prior to June 17 cleaning



July 21, one month following June 17 cleaning

2020 Performance:

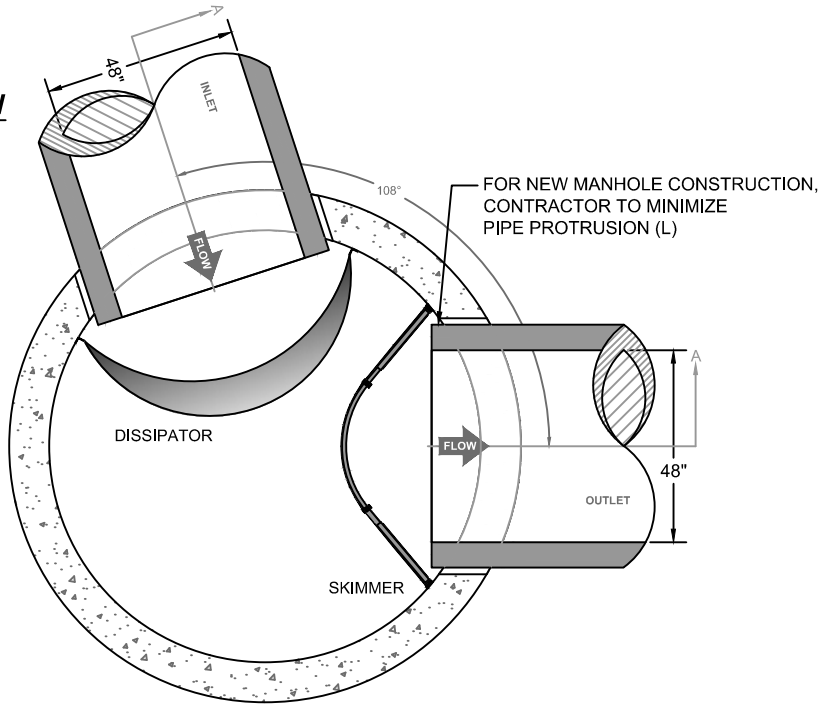
- June 2020 cleaning (~8 months of operation):
 - ~7 cubic yards of combined material captured and retained
- October 2020 cleaning (~4.5 months of operation):
 - ~0.8 cubic yards of trash
 - ~1.25 cubic yards of sediment

Observations:

- Heavy trash and debris loading
- Device functioned as intended; capturing & retaining material in the structure
- Heavier initial loading possibly due to construction activity

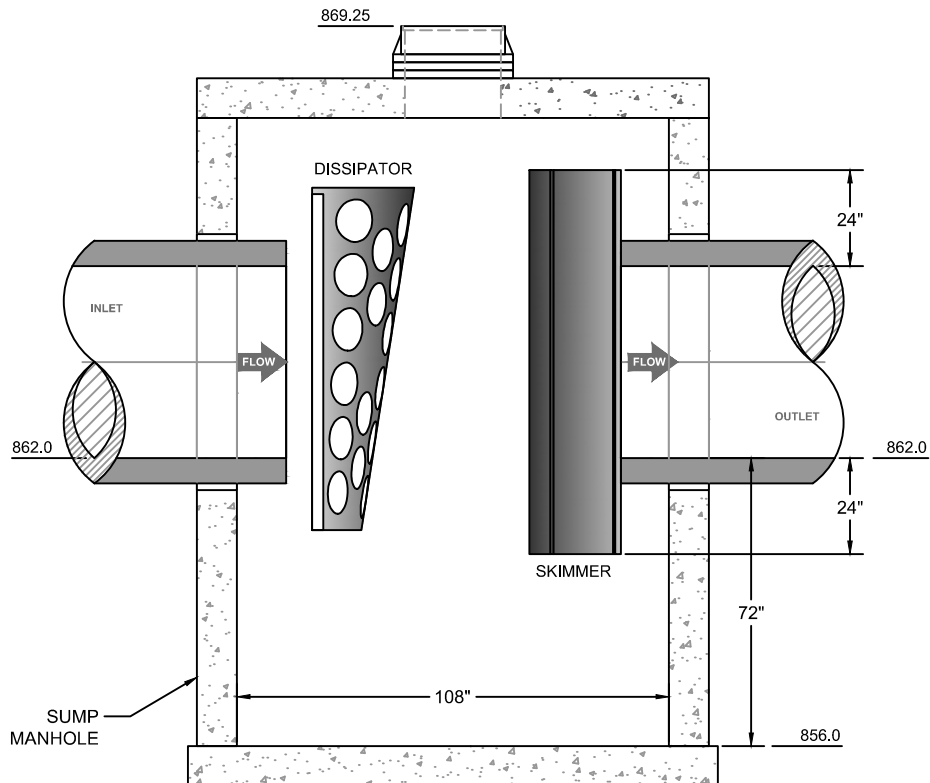


PLAN VIEW



COMPONENT	PART #
DISSIPATOR	D48
SKIMMER	S48

CROSS SECTION AA



Not to Scale



DESIGNED AND MANUFACTURED BY:



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THE PRESERVER™

**ENERGY DISSIPATOR
AND/OR SKIMMER**

PROUDLY MADE IN THE USA
QUALITY MATERIALS:
• 100% recycled HDPE
• Stainless steel brackets
• Stainless steel hardware

STRUCTURE ID:

STMH-1

PROJECT:

BECKER PARK

LOCATION:

CRYSTAL, MN

DRWN: LRH
11-5-18

REVISIONS:
10-25-20 LRH

US Pat # 14724956
CA Pat # 2893173C