

**MC-4500 ISOLATOR ROW DETAIL**  
NTS

**INSPECTION & MAINTENANCE**

- STEP 1) INSPECT ISOLATOR ROW FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
    - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
    - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
    - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
    - A.4. LOWER A CAMERA INTO ISOLATOR ROW FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
    - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
  - B. ALL ISOLATOR ROWS
    - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW
    - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW THROUGH OUTLET PIPE
      - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
      - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
    - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
  - B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
  - C. VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

**NOTES**

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

APPROVED  
By: JMF (Reviewed on 10-25-2019, May 10, 2019)

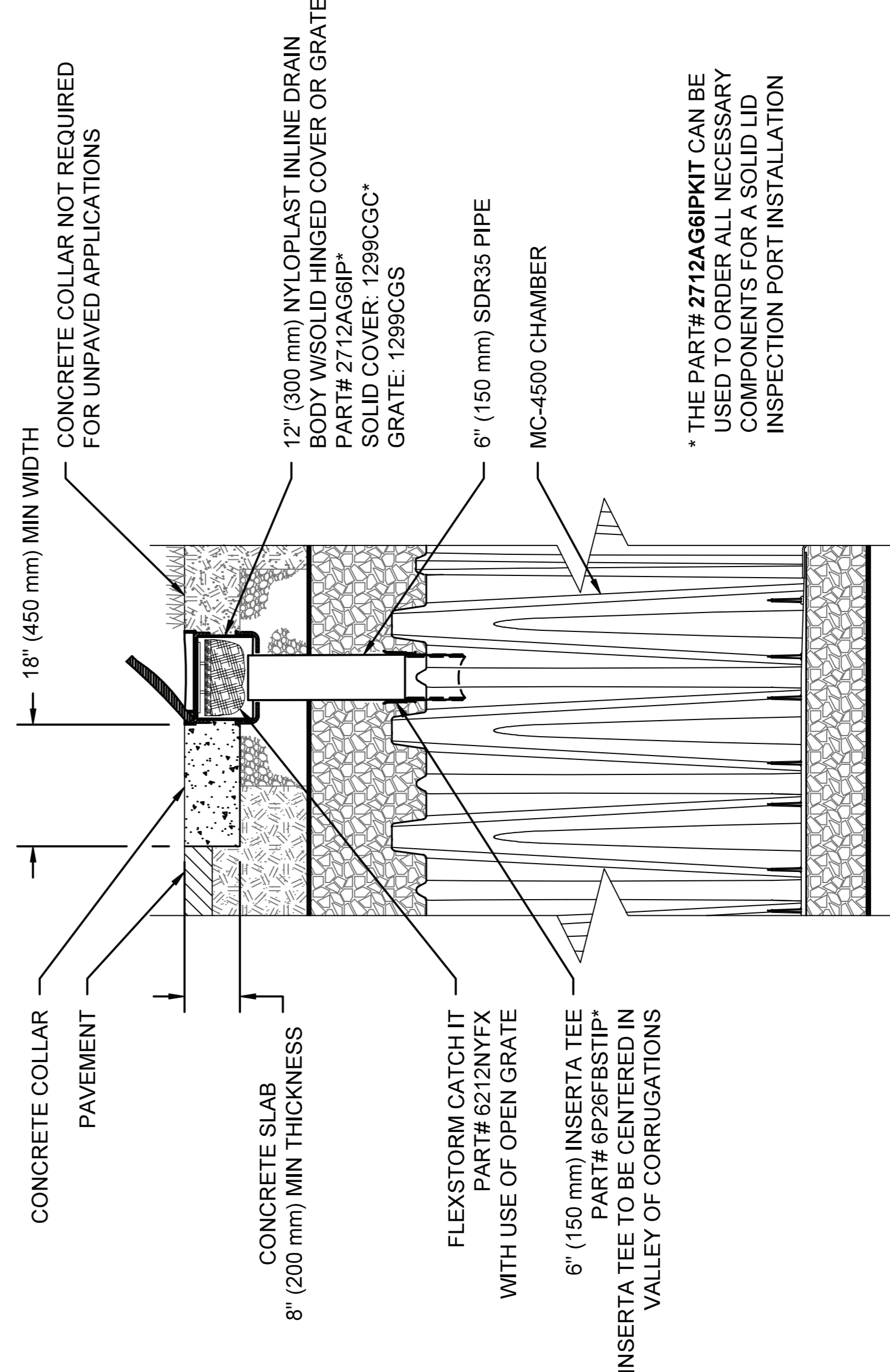
KEEF MCKENRY, P. ENG.  
MANAGER, DEVELOPMENT REVIEW EAST BRANCH  
PLANNING, INFRASTRUCTURE & ECONOMIC  
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA



PLANMAC ENGINEERING INC. CERTIFIES THE THEORETICAL COMPETENCE OF THE PLANS PREPARED BY ADVANCED DRAINAGE SYSTEM INC. BUT IS NOT ABLE TO CERTIFY THE INTEGRITY OF THE ACTUAL CONSTRUCTION AND THEREFORE DISCLAIMS ANY LIABILITY FOR THE INTEGRITY OF THE WORKS. THIS CERTIFICATION IS VALID ONLY IF THE WORKS HAVE BEEN RETAINED BY PLANMAC ENGINEERING INC. UNLESS CONSTRUCTION SUPERVISION OF THE PROJECT AS THE WORKS ARE ACTUALLY BEING BUILT. WE WILL ACCEPT NO DEVIATIONS FROM THIS REQUIREMENT IN ORDER FOR US TO CERTIFY THE BUILT WORKS.

REVIEW LIMITED TO THE STRUCTURAL CAPACITY OF THE MC-4500 SYSTEM TO RESIST THE APPLIED DEAD LOAD AND LIVE LOAD ONLY. PLANMAC ENGINEERING INC. TAKES NO RESPONSIBILITY FOR THE OVERALL SYSTEM DESIGN FOR HYDRAULIC CAPACITY, SOIL BEARING CAPACITY, LAYOUT AND CHAMBER LOCATIONS OR ELEVATIONS. LIVE LOAD: CL-625-ONT LIVE LOADING DEAD LOAD: 46.44 KN/m2 (SL) & 72.17 KN/m2 (ULS) PAVEMENT AND AGGREGATE MAX. COVER: 2.1m PAVEMENT AND AGGREGATE MIN. COVER: 0.60m

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**MC-4500 6" (150 mm) INSPECTION PORT DETAIL**  
NTS

3735 ST JOSEPH BLVD OTTAWA - ON		DATE: 01-24-19 DRAWN: DRW CHECKED: JMC	PROJECT #: S116226	DESCRIPTION
DATE: 03/12/19	DRWN: JMC	RCT: JMC	CHKD:	
ADDED LINES NOTE/DETAIL				
70 INWOOD ROAD, SUITE 3   ROCKY HILL   CT   06067 980-529-8188   888-892-2694   WWW.STORMTECH.COM StormTech Detention • Retention • Water Quality				
4640 TRUEMAN BLVD HILLIARD, OH 43026 ADVANCED DRAINAGE SYSTEMS, INC.				