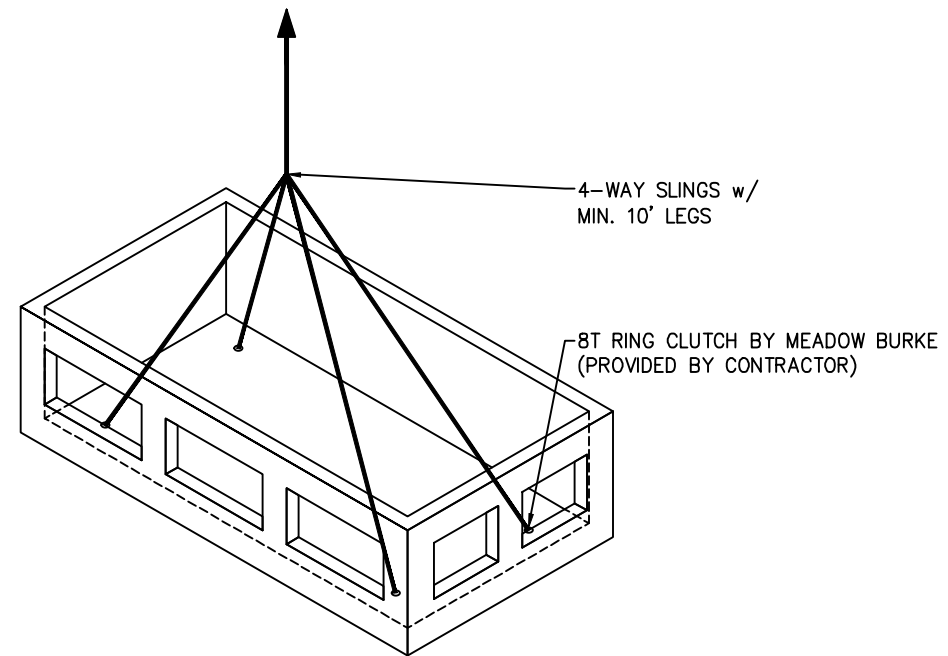
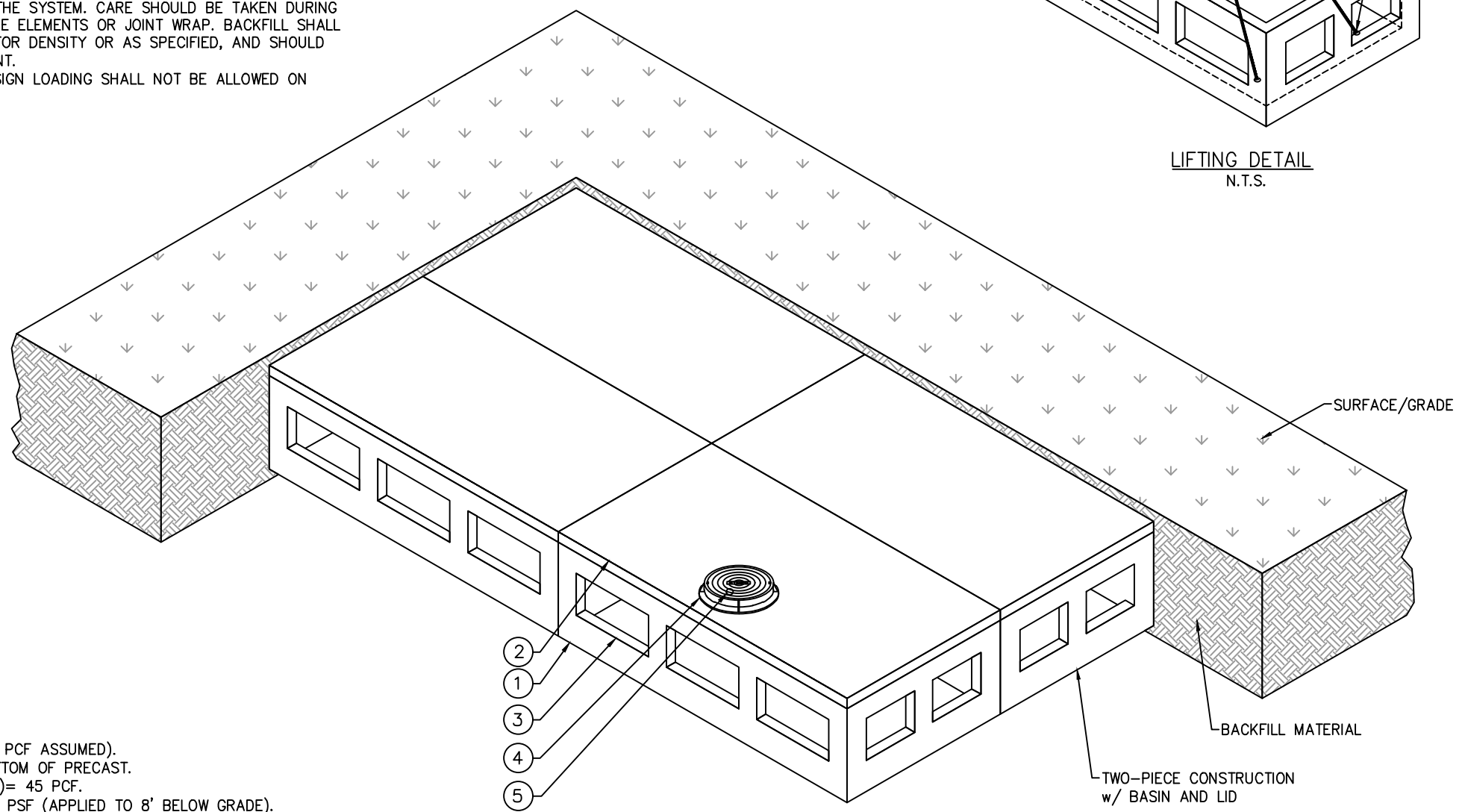


**INSTALLATION NOTES:**

- THE RAINBASIN™ ELEMENT SYSTEM IS TO BE INSTALLED IN ACCORDANCE WITH ASTM C891, INSTALLATION OF UNDERGROUND PRECAST UTILITY STRUCTURE. PROJECT PLAN AND SPECIFICATIONS MUST BE FOLLOWED ALONG WITH ANY APPLICABLE REGULATIONS.
1. PLAN LINE, GRADE AND ELEVATIONS MUST BE FOLLOWED.
  2. WHERE SPECIFIED, AN 8oz. NON-WOVEN GEOTEXTILE FABRIC MUST BE USED AS A SEPARATION LAYER AROUND THE RAINBASIN™ SYSTEM
  3. PENETRATIONS IN THE GEOTEXTILE MAY ONLY BE MADE WITH SMOOTH WALL PIPES. MAKE PENETRATIONS FOR ALL OUTLETS BEFORE MAKING PENETRATIONS FOR ANY INLETS.
  4. THE AGGREGATE BEARING LAYER SHOULD CONSIST OF CLEAN, DURABLE CRUSHED AGGREGATE COMPACTED AS DIRECTED BY THE ENGINEER. ParkUSA RECOMMENDS MATERIALS SUCH AS NO. 56 OR NO. 57 STONE PER ASTM C33.
  5. DESIGNATED EMBEDDED LIFTERS MUST BE USED. USE PROPER RIGGING TO ASSURE ALL LIFTERS ARE EQUALLY ENGAGED WITH A MINIMUM 60 DEGREE ANGLE ON SLINGS AS NOTED AND IN ACCORDANCE WITH ParkUSA LIFTING PROCEDURES.
  6. ELEMENTS MUST BE PLACED AS CLOSE TOGETHER AS POSSIBLE, AND GAPS SHALL NOT BE GREATER THAN 3/4". ALL EXTERIOR SYSTEM JOINTS SHALL BE COVERED WITH A MIN. 8" JOINT WRAP ON SIDES AND TOP (CS-212 CONSEAL OR EQUIVALENT). INSTALL ONE ROW CS-102 CONSEAL (OR EQUIVALENT) BETWEEN PRECAST PIECES.
  7. AUTHORIZATION SHOULD BE GIVEN BY THE PROJECT ENGINEER OR DESIGNATED PERSON PRIOR TO PLACEMENT ON BACKFILL FOR THE SYSTEM. CARE SHOULD BE TAKEN DURING PLACEMENT OF BACKFILL NOT TO DISPLACE ELEMENTS OR JOINT WRAP. BACKFILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY OR AS SPECIFIED, AND SHOULD NOT BE COMPACTED WITHIN 6" OF ELEMENT.
  8. CONSTRUCTION EQUIPMENT EXCEEDING DESIGN LOADING SHALL NOT BE ALLOWED ON STRUCTURE.



LIFTING DETAIL  
N.T.S.



INFILTRATION ELEMENT ISO VIEW  
N.T.S.

**NOTES:**

1. DESIGN LOADINGS:
  - A. AASHTO HS-20-44 w/ IMPACT.
  - B. DEPTH OF COVER= 6" - 5'-0" (120 PCF ASSUMED).
  - C. ASSUMED WATER TABLE= BELOW BOTTOM OF PRECAST.
  - D. DRY LATERAL EARTH PRESSURE (EFP)= 45 PCF.
  - E. LATERAL LIVE LOAD SURCHARGE= 80 PSF (APPLIED TO 8' BELOW GRADE).
  - F. NO LATERAL SURCHARGE FROM ADJACENT BUILDINGS, WALL PIERS, OR FOUNDATIONS.
2. CONCRETE 28 DAY COMPRESSIVE STRENGTH SHALL BE 6,000 PSI.
3. STEEL REINFORCEMENT: REBAR, ASTM A-615 OR A-706, GRADE 60.
4. MESH REINFORCEMENT: ASATM A-1064, S1.2, GRADE 80.
5. CEMENT: ASTM C-150 SPECIFICATION.
6. REQUIRED BASE LAYER DEPTH= NOT APPLICABLE.
7. REQUIRED NATIVE ALLOWABLE SOIL BEARING PRESSURE= 2,500 PSF
8. REFERENCE STANDARDS:
  - A. ASTM C 890
  - B. ASTM C 891
  - C. ASTM C 913
9. CONSTRUCTION EQUIPMENT EXCEEDING DESIGN LOADING SHALL NOT BE ALLOWED ON STRUCTURE. ANY DESIGN CONSTRAINT DIFFERENT FROM ABOVE REQUIRES CUSTOM STRUCTURAL DESIGN AND MAY REQUIRE THICKER SUBGRADE AND REVISED PRICING.
10. SEE STRUCTURAL CALCULATIONS ATTACHED TO REVIEW LOADINGS.
11. ALL CAST IRON ACCESS COVERS ARE MANUFACTURED OF GREY CAST IRON CONFORMING TO ASTM A48-76 CLASS 30

KEYED NOTES		
MARK	QTY	DESCRIPTION
1	4	RAINBASIN ELEMENT
2	4	RAINBASIN LID
3	1	STANDARD BLOCKOUTS
4	1	MANHOLE ACCESS COVER & FRAME
5	1	NAMEPLATE MFG: PARKUSA 888-611-PARK WWW.PARKUSA.COM MODEL RB-1 DATE MANUFACTURED

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RAINBASIN DETENTION SYSTEM  
MODEL -11950

PM	PC	DRN	ENG	DWG. NO.	REV.
.	.	.	.	RAINBASIN-RB-1	A
DATE	2023				

NOTE:  
THIS VIEW IS FOR ILLUSTRATION PURPOSES ONLY TO SHOW FEATURES OF THE SYSTEM. ACTUAL LAYOUT VARIES BY PROJECT, SEE SITE PLAN LAYOUT. ALL PERIMETER WALLS ARE SOLID.

CREATED ON 4/18/2024 BY [Name] LAST MODIFIED ON 4/18/2024 1:59 PM BY [Name]

PLOTTED ON 4/18/2024 3:24 PM BY [Name] Plot: C:\Users\vu\Desktop\new pdf\RB-1-1