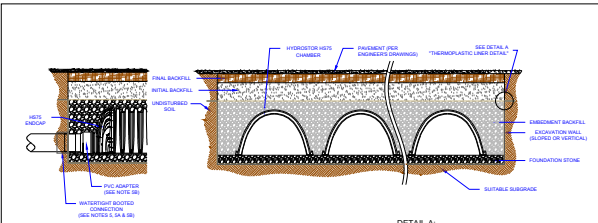


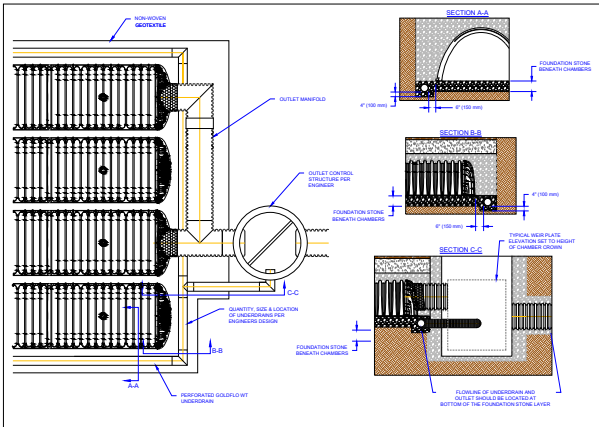
- NOTES:**
- HYDROSTOR HETS CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2157 AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM F418. HETS CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LATEST INSTALLATION GUIDELINES.
  - SUBGRADE:** THREE (3) FEET WITH UNLINED OR UNLINED MATERIAL, SHALL BE EXCAVATED TO A DEPTH DIRECTED BY THE ENGINEER AND REPLACED WITH SUITABLE MATERIAL. FOR UNLINED MATERIALS, GEOTEXTILE MAY BE USED TO STABILIZE THE BOTTOM OF EXCAVATION IF DIRECTED BY THE ENGINEER. THE DESIGN ENGINEER IS RESPONSIBLE FOR VERIFYING SUBGRADE SUITABILITY WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
  - GEOTEXTILE:** AN ARMO-MESH CLASS 2 OR 3 NON-WOVEN GEOTEXTILE SHOULD BE USED FOR EMBEDMENT BACKFILL MATERIAL. 3/4 TO 2 INCH (19-51 MM) GEOTEXTILE FILTER FABRIC IS PLACED AROUND THE SYSTEM TO PREVENT HETS BACKFILL FROM MIGRATING INTO THE EMBEDMENT BACKFILL MATERIAL. TO ENSURE FABRIC IS SUITABLE WITH HETS SOIL, A GEOTECHNICAL ENGINEER SHOULD BE CONSULTED FOR FOLLOWING ENGINEER'S RECOMMENDATIONS.
  - FOUNDATION STONE:** SUITABLE MATERIAL SHALL BE 3/4 TO 2 INCH (19-51 MM) CLEAN, CRUSHED ANGULAR STONE OR EQUIVALENT MATERIAL. CLEAN, CRUSHED ANGULAR STONE OR EQUIVALENT MATERIAL SHALL BE ADDED TO THE GRADATION, e.g., CLEAN, CRUSHED ANGULAR #1 (ARMO-MESH) STONE. EMBEDMENT BACKFILL SHALL BE EXCAVATED FROM TOP OF HETS BACKFILL TO NOT LESS THAN 150 MM (6 INCH) ABOVE THE TOP OF THE CHAMBER. NO COMPACTOR IS REQUIRED BUT AN EFFORT SHOULD BE MADE TO HAVE HETS STONE IN BETWEEN ALL CONNECTIONS.
  - EMBODIMENT BACKFILL:** SUITABLE MATERIAL SHALL BE 3/4 TO 2 INCH (19-51 MM) CLEAN, CRUSHED ANGULAR STONE OR EQUIVALENT MATERIAL. CLEAN, CRUSHED ANGULAR STONE OR EQUIVALENT MATERIAL SHALL BE ADDED TO THE GRADATION, e.g., CLEAN, CRUSHED ANGULAR #1 (ARMO-MESH) STONE. EMBEDMENT BACKFILL SHALL BE EXCAVATED FROM TOP OF HETS BACKFILL TO NOT LESS THAN 150 MM (6 INCH) ABOVE THE TOP OF THE CHAMBER. NO COMPACTOR IS REQUIRED BUT AN EFFORT SHOULD BE MADE TO HAVE HETS STONE IN BETWEEN ALL CONNECTIONS.

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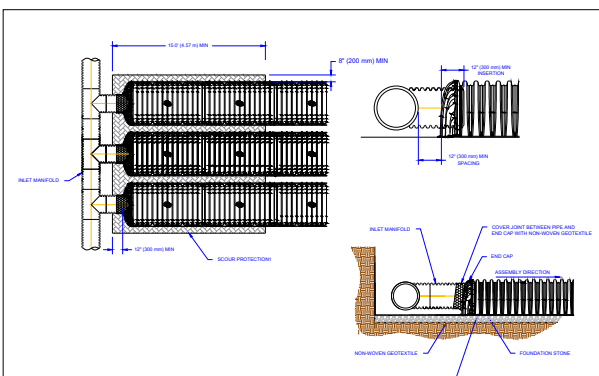


- NOTES:**
- REFERENCE HYDROSTOR HETS - CROSS SECTION (D-7-307) FOR ALL ACCEPTABLE FILL MATERIAL & PROPER INSTALLATION OF CHAMBER SYSTEM.
  - TERMOPLASTIC LINER ON BOTTOM AND SIDES OF SYSTEM ONLY.
  - TERMOPLASTIC LINERS OPTIONS INCLUDE:  
- POLYETHYLENE (PE) 30 MIL THICK  
- LINEAR LOW DENSITY POLYETHYLENE (LLDPE) 30 MIL THICK  
- REINFORCED POLYPROPYLENE (PP) 30 MIL THICK  
- 30 MIL THICK POLYETHYLENE (PE) 30 MIL THICK
  - AN ARMO-MESH CLASS 2 OR 3 NON-WOVEN GEOTEXTILE SHALL BE PLACED ON BOTH SIDES OF THE THERMOPLASTIC TO PROTECT AGAINST ANGULAR AGGREGATE ON THE WATER SIDE AND FROM PROTRUSION ON THE SOIL SIDE AT ANY LOCATION IN THE SYSTEM (SEE THERMOPLASTIC LINER DETAIL).
  - TERMOPLASTIC LINER AND PIPE BOOTS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS.
  - A PIPE BOOT WITH CLAMP IS RECOMMENDED WHEN PIPE PENETRATES THROUGH THE LINER. BOOTS CAN EITHER BE PRE-FABRICATED BY THE LINER MANUFACTURER OR FIELD-FABRICATED BY THE CONTRACTOR.
  - FOR A WATER-TIGHT REQUIRED CONNECTION, IT IS RECOMMENDED TO TRANSITION TO A SMOOTH WALL PIPE (E.G., PVC). THIS CAN BE DONE IN MANY WAYS: MANHOLE COUPLER, FRISCO COUPLER, HANCO HUB & SPOKE BRIDGY ADAPTER WITH CLAMP, OR ANY OTHER APPROVED CONNECTION TO TRANSITION FROM CORRUGATED PLASTIC PIPE. THE PROJECT ENGINEER SHALL DECIDE ON WHAT PIPE MATERIAL PENETRATES THE LINER.

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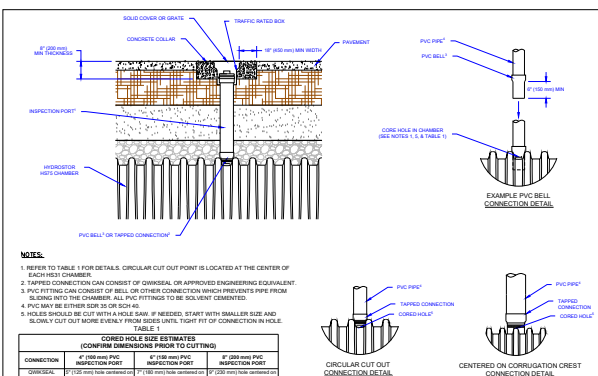


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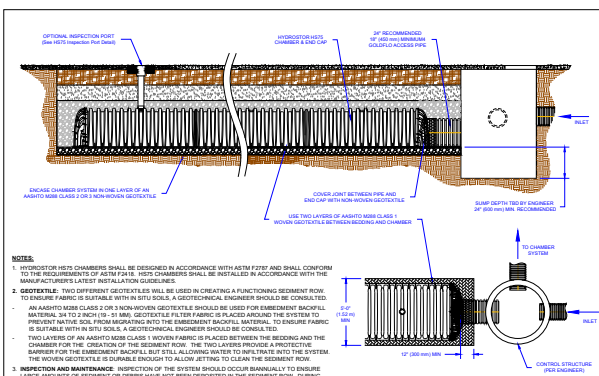
- NOTES:**
- SCOUR PROTECTION SHOULD BE USED WITH GEOTEXTILE.
  - SCOUR PROTECTION IS ONLY NEEDED WITH CHAMBER ROWS CONNECTED TO THE INLET MANHOLE.

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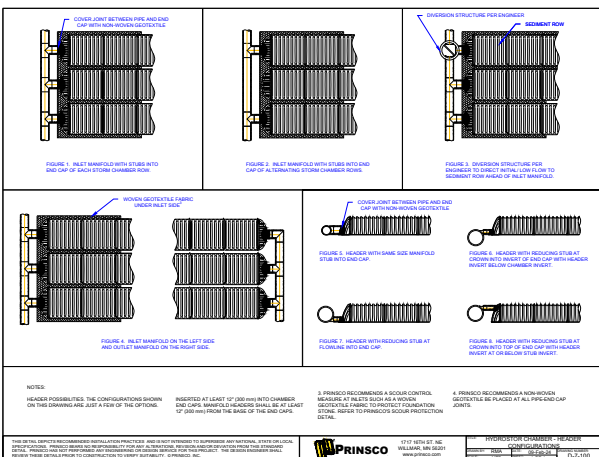
- NOTES:**
- REFER TO TABLE 1 FOR DETAILS. CIRCULAR CUT OUT POINT IS LOCATED AT THE CENTER OF EACH HETS CHAMBER.
  - TAPPED CONNECTION CAN BE USED ON APPROVED ENGINEERING EQUIVALENT.
  - PIPE FITTING CAN BE USED ON APPROVED ENGINEERING EQUIVALENT.
  - PIPE MAY BE EITHER 30 IN OR 36 IN.
  - HOLES SHOULD BE CUT WITH A HOLE SAW. IF NEEDED, START WITH SMALLER SIZE AND SLOWLY CUT OUT MORE DEEP FROM SIDE UNITS. TIGHT FIT OF CONNECTION IN HOLE.

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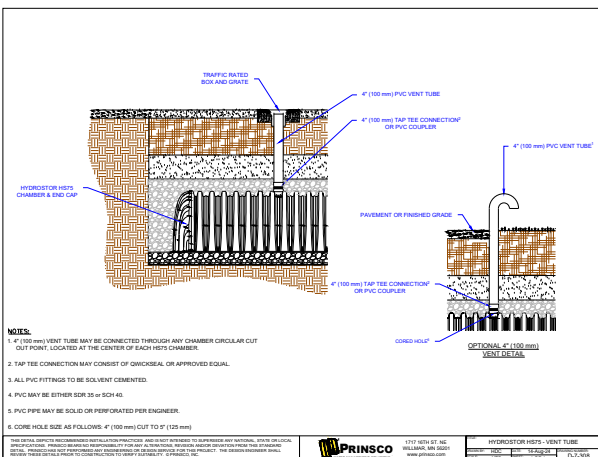
- NOTES:**
- HYDROSTOR HETS CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2157 AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM F418. HETS CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LATEST INSTALLATION GUIDELINES.
  - GEOTEXTILE:** TWO DIFFERENT GEOTEXTILES WILL BE USED IN CREATING A FUNCTIONING SEGMENT ROW. TO ENSURE FABRIC IS SUITABLE WITH HETS SOIL, A GEOTECHNICAL ENGINEER SHOULD BE CONSULTED. AN ARMO-MESH CLASS 2 OR 3 NON-WOVEN GEOTEXTILE SHOULD BE USED FOR EMBEDMENT BACKFILL MATERIAL. 3/4 TO 2 INCH (19-51 MM) GEOTEXTILE FILTER FABRIC IS PLACED AROUND THE SYSTEM TO PREVENT NATIVE SOIL FROM MIGRATING INTO THE EMBEDMENT BACKFILL MATERIAL. TO ENSURE FABRIC IS SUITABLE WITH HETS SOIL, A GEOTECHNICAL ENGINEER SHOULD BE CONSULTED.
  - INSPECTION AND MAINTENANCE:** INSPECTION OF THE SYSTEM SHOULD OCCUR ANNUALLY TO ENSURE AN adequate amount of sediment or debris has not been deposited in the segment row. DURING INSPECTION, TO CLEAN THE SYSTEM, A JETTING PROCESS CAN BE USED TO REMOVE SEDIMENT AND DEBRIS FROM THE SEGMENT ROW. FOR MORE INFORMATION, REFER TO PREPARED TECHNICAL DETAIL ON CLEANING AND MAINTENANCE. TECHNICAL NOTE.
  - ACCESS PIPE:** PRINSCO RECOMMENDS A 3/4 INCH (19 MM) DIAMETER ACCESS PIPE TO THE SEGMENT ROW. A 3/4 INCH (19 MM) INTERNAL SLAVE ADAPTER (PART # HETS-24) WILL BE REQUIRED TO CONNECT TO HETS END CAP. CONTACT YOUR LOCAL SALES REPRESENTATIVE WITH ANY QUESTIONS.

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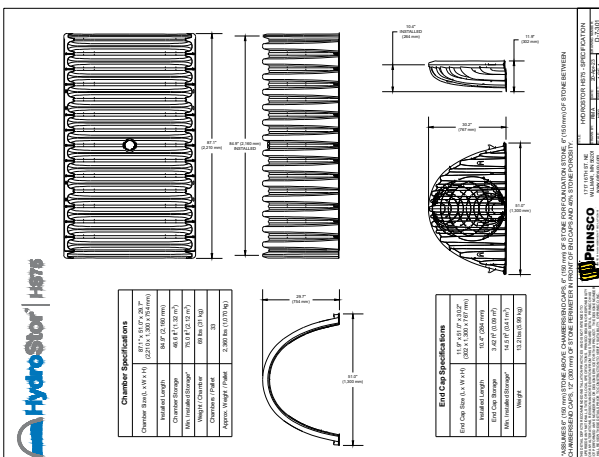
- NOTES:**
- HEADERS POSSIBLE: THE CONNECTIONS BETWEEN THE CHAMBERS AND THE SEGMENT ROW SHOULD BE MADE AT THE CENTER OF EACH HETS CHAMBER.
  - HEADERS POSSIBLE: THE CONNECTIONS BETWEEN THE CHAMBERS AND THE SEGMENT ROW SHOULD BE MADE AT THE CENTER OF EACH HETS CHAMBER.

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- NOTES:**
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SCALE: NTS	SHEET: 1 OF 1		