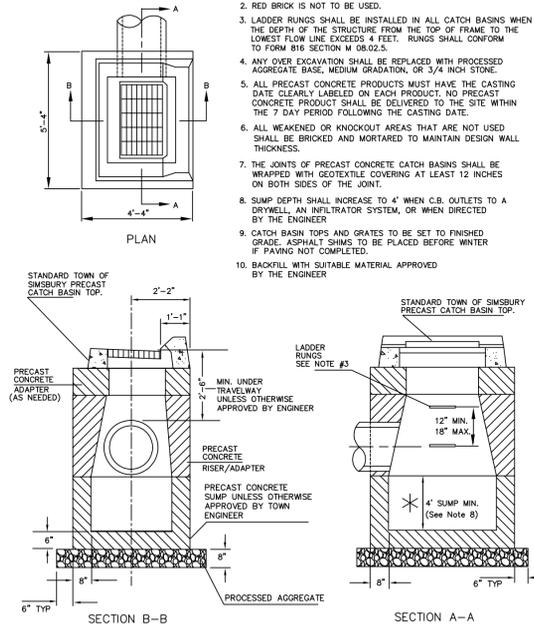


NOTES:

1. ENDS OF PIPES SHALL EXTEND TO AND BE CUT FLUSH WITH INSIDE FACE OF CATCH BASIN. APPLY MORTAR TO CUT EDGE OF PIPE TO COVER REINFORCING.
2. RED BRICK IS NOT TO BE USED.
3. LADDER RUNGS SHALL BE INSTALLED IN ALL CATCH BASINS WHEN THE DEPTH OF THE STRUCTURE FROM THE TOP OF FRAME TO THE LOWEST FLOW LINE EXCEEDS 4 FEET. RUNGS SHALL CONFORM TO FORM B16 SECTION M 08.02.5.
4. ANY OVER EXCAVATION SHALL BE REPLACED WITH PROCESSED AGGREGATE BASE, MEDIUM GRADATION, OR 3/4 INCH STONE.
5. ALL PRECAST CONCRETE PRODUCTS MUST HAVE THE CASTING DATE CLEARLY LABELED ON EACH PRODUCT. NO PRECAST CONCRETE PRODUCT SHALL BE DELIVERED TO THE SITE WITHIN THE 7 DAY PERIOD FOLLOWING THE CASTING DATE.
6. ALL WEAKENED OR KNOCKOUT AREAS THAT ARE NOT USED SHALL BE BRICKED AND MORTARED TO MAINTAIN DESIGN WALL THICKNESS.
7. THE JOINTS OF PRECAST CONCRETE CATCH BASINS SHALL BE WRAPPED WITH GEOTEXTILE COVERING AT LEAST 12 INCHES ON BOTH SIDES OF THE JOINT.
8. SUMP DEPTH SHALL INCREASE TO 4' WHEN C.B. OUTLETS TO A DRYWELL, AN INFILTRATOR SYSTEM, OR WHEN DIRECTED BY THE ENGINEER.
9. CATCH BASIN TOPS AND GRATES TO BE SET TO FINISHED GRADE. ASPHALT SIMMS TO BE PLACED BEFORE WINTER IF PAVING NOT COMPLETED.
10. BACKFILL WITH SUITABLE MATERIAL APPROVED BY THE ENGINEER.

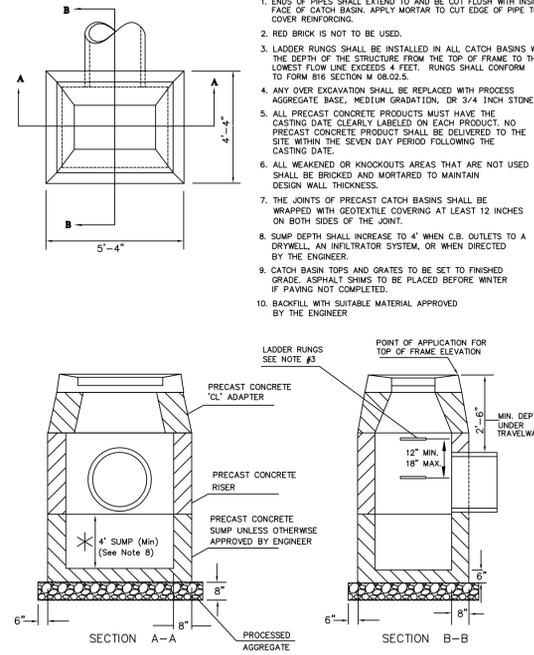


TYPE 'C' CATCH BASIN

\* NOTE: ALL BASINS TO HAVE 4' DEEP SUMPS

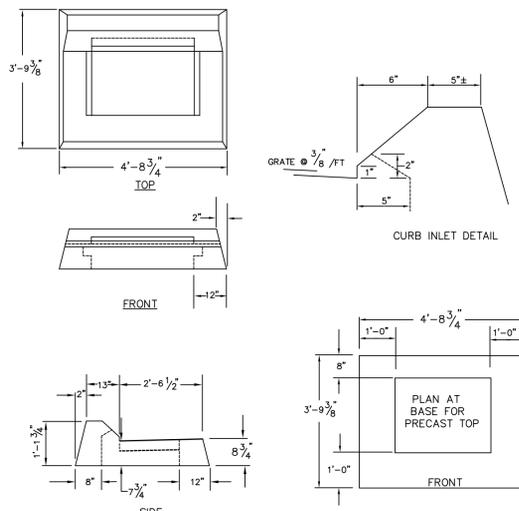
NOTES:

1. ENDS OF PIPES SHALL EXTEND TO AND BE CUT FLUSH WITH INSIDE FACE OF CATCH BASIN. APPLY MORTAR TO CUT EDGE OF PIPE TO COVER REINFORCING.
2. RED BRICK IS NOT TO BE USED.
3. LADDER RUNGS SHALL BE INSTALLED IN ALL CATCH BASINS WHEN THE DEPTH OF THE STRUCTURE FROM THE TOP OF FRAME TO THE LOWEST FLOW LINE EXCEEDS 4 FEET. RUNGS SHALL CONFORM TO FORM B16 SECTION M 08.02.5.
4. ANY OVER EXCAVATION SHALL BE REPLACED WITH PROCESSED AGGREGATE BASE, MEDIUM GRADATION, OR 3/4 INCH STONE.
5. ALL PRECAST CONCRETE PRODUCTS MUST HAVE THE CASTING DATE CLEARLY LABELED ON EACH PRODUCT. NO PRECAST CONCRETE PRODUCT SHALL BE DELIVERED TO THE SITE WITHIN THE SEVEN DAY PERIOD FOLLOWING THE CASTING DATE.
6. ALL WEAKENED OR KNOCKOUTS AREAS THAT ARE NOT USED SHALL BE BRICKED AND MORTARED TO MAINTAIN DESIGN WALL THICKNESS.
7. THE JOINTS OF PRECAST CATCH BASINS SHALL BE WRAPPED WITH GEOTEXTILE COVERING AT LEAST 12 INCHES ON BOTH SIDES OF THE JOINT.
8. SUMP DEPTH SHALL INCREASE TO 4' WHEN C.B. OUTLETS TO A DRYWELL, AN INFILTRATOR SYSTEM, OR WHEN DIRECTED BY THE ENGINEER.
9. CATCH BASIN TOPS AND GRATES TO BE SET TO FINISHED GRADE. ASPHALT SIMMS TO BE PLACED BEFORE WINTER IF PAVING NOT COMPLETED.
10. BACKFILL WITH SUITABLE MATERIAL APPROVED BY THE ENGINEER.



TYPE 'CL' CATCH BASIN

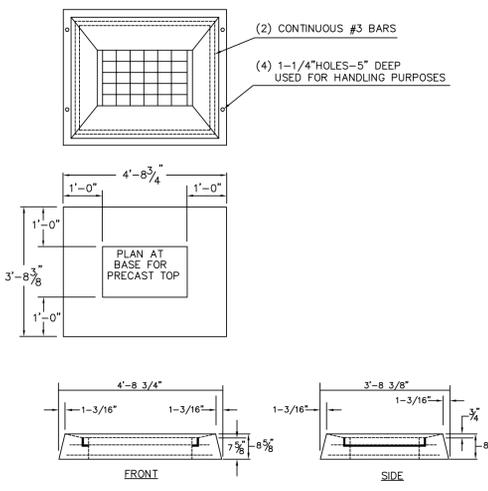
\* NOTE: ALL BASINS TO HAVE 4' DEEP SUMPS



TYPE 'C' CATCH BASIN TOP

NOTES:

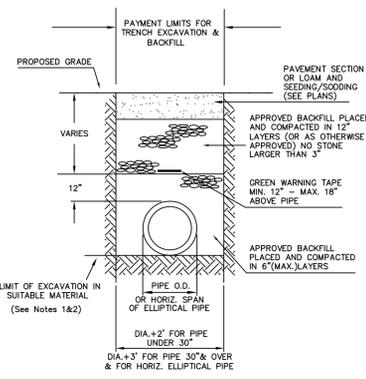
1. ALL DIMENSIONS SHOWN ARE FOR GENERAL INFORMATION ONLY. CONTRACTOR TO SUBMIT MANUFACTURERS SHOP DRAWINGS OF SPECIFIC PRODUCT, FOR APPROVAL BY THE ENGINEER.
2. A 3'-0 3/4 x 1'-7 3/8 GALVANIZED, BICYCLE SAFE GRATE SHALL BE USED



TYPE 'CL' CATCH BASIN TOP

NOTE:

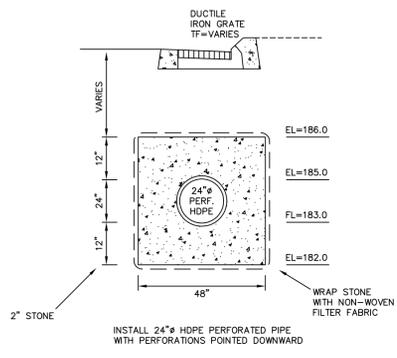
1. GRATE FRAME OPENING: 3'-3 3/4 x 1'-7 3/8
2. GRATE: 3'-0 x 1'-7 3/8
3. GALVANIZED FRAME & GRATE SHALL BE USED
4. CATCH BASIN FOR ANY PIPE LARGER THAN 30" P.C.P. TO BE DESIGNED AS PER ENGINEER.



NOTES:

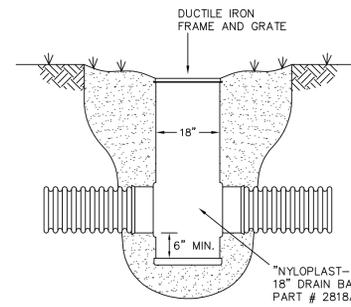
1. IN SUITABLE MATERIAL, THE TRENCH SHALL BE EXCAVATED TO THE ELEVATION OF THE BOTTOM OF THE REINFORCED CONCRETE PIPE AND BOTTOM OF THE BELL. ANY EXCAVATION BELOW THE PIPE SHALL BE BACKFILLED WITH 3/4 INCH STONE TO THE BOTTOM OF THE PIPE. BACKFILL FOR THE TRENCH SHALL BE SUITABLE MATERIAL, COMPACTED AS SHOWN. NO ROCKS LARGER THAN 3 INCHES SHALL BE USED.
- IF UNSUITABLE MATERIAL IS ENCOUNTERED DURING EXCAVATION, THIS MATERIAL SHALL BE EXCAVATED 12 INCHES BELOW THE BOTTOM OF THE REINFORCED CONCRETE PIPE, OR AS DIRECTED BY THE ENGINEER. BACKFILL OF THE TRENCH SHALL BE WITH 3/4 INCH STONE TO THE MIDPOINT OF THE PIPE, WITH APPROVED BACKFILL TO THE BOTTOM OF THE PAVEMENT OR LAWN SECTION, COMPACTED AS SHOWN.
- FOR PIPING OTHER THAN REINFORCED CONCRETE PIPE, BACKFILLING SHALL BE PER THE PIPING MANUFACTURER'S RECOMMENDATIONS, AS APPROVED BY THE ENGINEER.
- THE PAYMENT LIMIT LINES SHOWN SHALL BE USED FOR COMPUTING QUANTITIES FOR OVER EXCAVATION, AND BACKFILL MATERIAL OTHER THAN ON-SITE SUITABLE MATERIAL.
- ALL CONCRETE PIPE TO BE MINIMUM CLASS IV UNLESS OTHERWISE SPECIFIED.
- USE WATERTIGHT RUBBER GASKETS IN ALL PIPE JOINTS.

DRAINAGE TRENCH



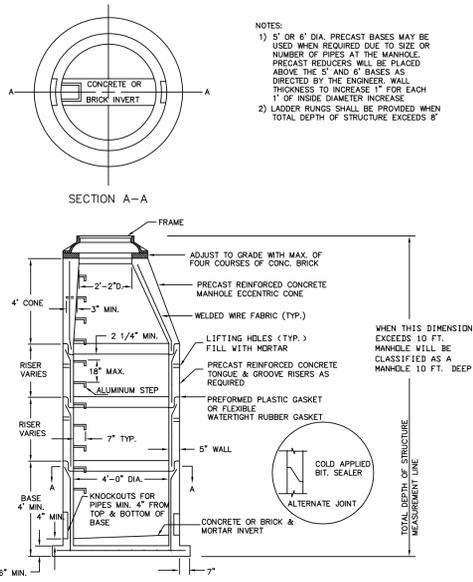
STORMWATER ABSORPTION TRENCH

1. IN SUITABLE MATERIAL, THE TRENCH SHALL BE EXCAVATED TO THE ELEVATION OF THE BOTTOM OF THE REINFORCED CONCRETE PIPE AND BOTTOM OF THE BELL. ANY EXCAVATION BELOW THE PIPE SHALL BE BACKFILLED WITH 3/4 INCH STONE TO THE BOTTOM OF THE PIPE. BACKFILL FOR THE TRENCH SHALL BE SUITABLE MATERIAL, COMPACTED AS SHOWN. NO ROCKS LARGER THAN 3 INCHES SHALL BE USED.
- IF UNSUITABLE MATERIAL IS ENCOUNTERED DURING EXCAVATION, THIS MATERIAL SHALL BE EXCAVATED 12 INCHES BELOW THE BOTTOM OF THE REINFORCED CONCRETE PIPE, OR AS DIRECTED BY THE ENGINEER. BACKFILL OF THE TRENCH SHALL BE WITH 3/4 INCH STONE TO THE MIDPOINT OF THE PIPE, WITH APPROVED BACKFILL TO THE BOTTOM OF THE PAVEMENT OR LAWN SECTION, COMPACTED AS SHOWN.
- FOR PIPING OTHER THAN REINFORCED CONCRETE PIPE, BACKFILLING SHALL BE PER THE PIPING MANUFACTURER'S RECOMMENDATIONS, AS APPROVED BY THE ENGINEER.
- THE PAYMENT LIMIT LINES SHOWN SHALL BE USED FOR COMPUTING QUANTITIES FOR OVER EXCAVATION, AND BACKFILL MATERIAL OTHER THAN ON-SITE SUITABLE MATERIAL.
- ALL CONCRETE PIPE TO BE MINIMUM CLASS IV UNLESS OTHERWISE SPECIFIED.
- USE WATERTIGHT RUBBER GASKETS IN ALL PIPE JOINTS.



YARD DRAIN

BACKFILL MATERIAL SHALL BE CRUSHED STONE OR GRAVEL MATERIAL MEETING CLASS 1 OR 2 AS SPECIFIED IN ASTM D2321. BACKFILL MATERIAL SHALL BE PLACED UNIFORMLY IN 12" LIFTS AND COMPACTED TO 90 - 95 % DENSITY.



STORM DRAINAGE MANHOLE

NOTES:

- 1) 5' OR 6' DIA. PRECAST BASES MAY BE USED WHEN REQUIRED DUE TO SIZE OR NUMBER OF PIPES AT THE MANHOLE. PRECAST REDUCERS WILL BE PLACED ABOVE THE 5' AND 6' BASES AS DIRECTED BY THE ENGINEER. WALL THICKNESS TO INCREASE 1" FOR EACH 1' OF INSIDE DIAMETER INCREASE.
- 2) LADDER RUNGS SHALL BE PROVIDED WHEN TOTAL DEPTH OF STRUCTURE EXCEEDS 8'

**SITE PLAN APPROVAL**

This Site Plan received Final Approval by the Simsbury Zoning Commission.

Signature \_\_\_\_\_ Chairman \_\_\_\_\_ Date \_\_\_\_\_

Date of Final Approval: \_\_\_\_\_

In accordance with CCS 8-3 (i), all work in connection with this Site Plan shall be completed by \_\_\_\_\_ (five years of the date of approval)

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

**SITE PLAN**  
PREPARED FOR  
**SIMSCROFT-ECHO FARMS, INC.**  
80 WOLCOTT ROAD  
SIMSBURY, CONNECTICUT



| DATE | REVISION |
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