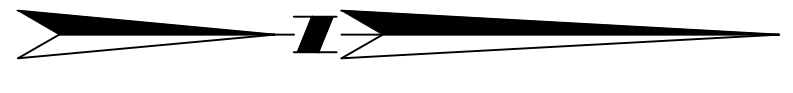
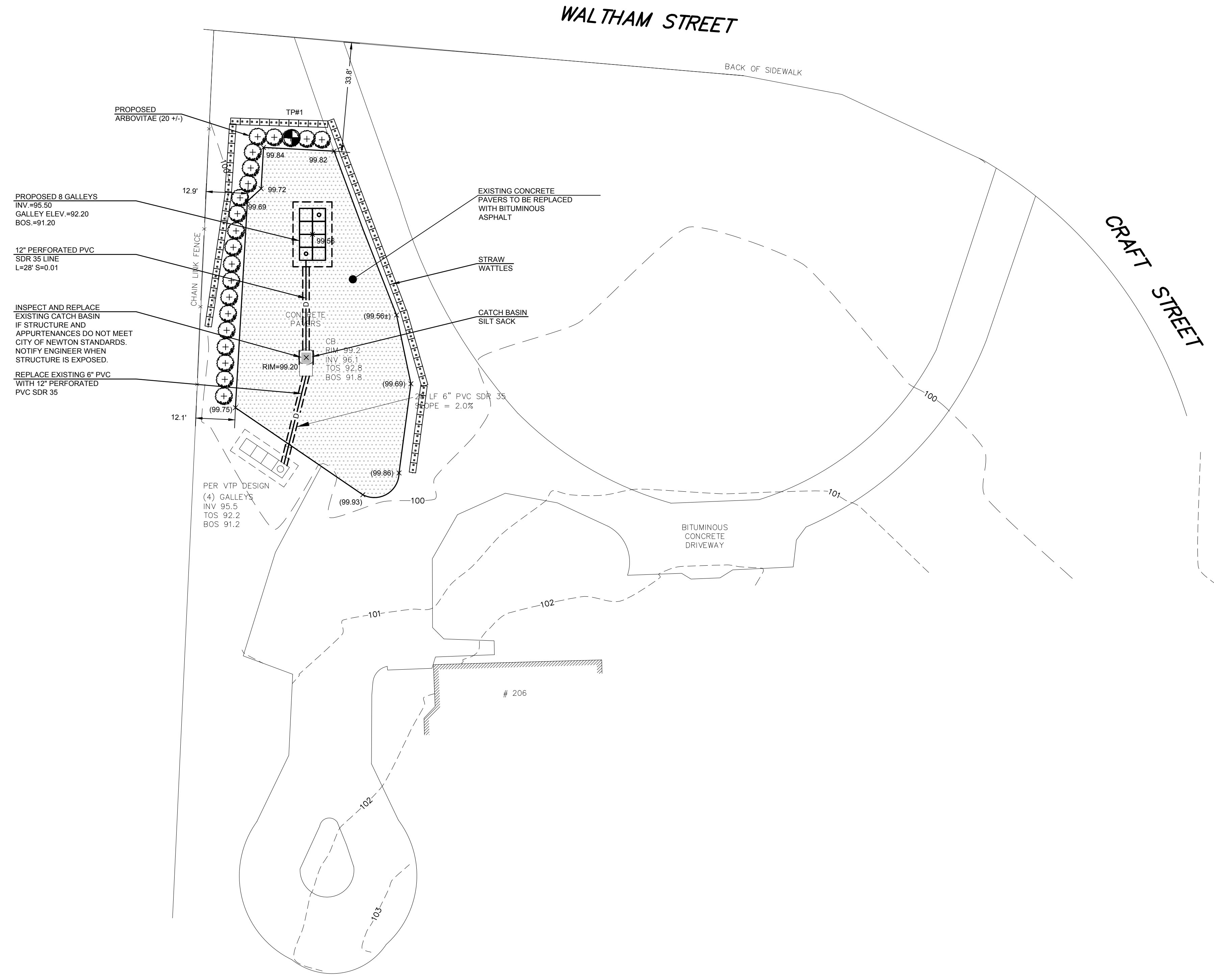


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- LEGEND:**
- D — PROPOSED STORM DRAINAGE LINE
  - - - - - LIMIT OF WORK
  - ▣ EROSION CONTROL
  - ▣ PROPOSED CATCHBASIN FILTER
  - 129— PROPOSED INTERMEDIATE CONTOUR
  - 130— PROPOSED INDEX CONTOUR
  - 130.0 X PROPOSED SPOT GRADE
  - (130.0) X EXISTING GRADE TO REMAIN (V.I.F.)
  - RIM=130.20 X PROPOSED RIM ELEVATION (TO FINAL GRADE)
  - V.I.F. VERIFY GRADE IN FIELD \ TO BE SET

**NOTE:**  
DRAWING DOES NOT SHOW ENTIRE SCOPE OF DEMO. IT IS INTENDED TO AID CONTRACTOR WITH IDENTIFYING WORK AND IS NOT ALL INCLUSIVE.

**NOTE:**  
THE CONTRACTOR SHALL PHASE ALL DEMOLITION AND REMOVAL WORK TO ALLOW FOR THE CONTINUING OPERATION OF ALL STRUCTURES OUTSIDE OF LIMIT OF WORK.



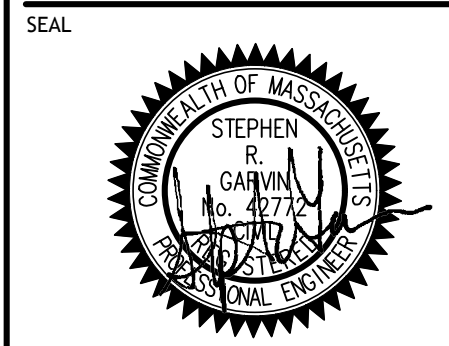
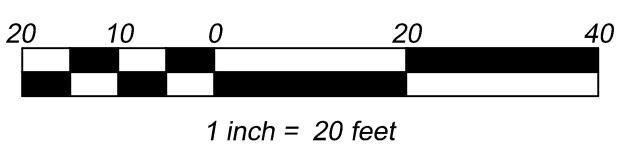
**Samiotes Consultants Inc.**  
Civil Engineers + Land Surveyors  
20 A Street  
Framingham, MA 01701  
T 508.877.6688  
F 508.877.8349  
www.samiotes.com

**PETITIONER:**  
SAMIOTES  
CONSULTANTS, INC.  
SCANDINAVIAN LIVING  
CENTER, CARE OF  
JOSEPH CARELLA

**SCANDINAVIAN  
LIVING CENTER  
206 WALTHAM STREET  
NEWTON, MASSACHUSETTS**

ZONING DATA		
ZONING DISTRICT: SR-3		
REQUIREMENTS	REQUIRED/ALLOWED	**PROVIDED
MINIMUM LOT AREA IN SQ. FT.	7,000 SF	125,512 SF
MINIMUM STREET FRONTAGE, AND MINIMUM LOT WIDTH	70 FT.	602' FT.
MINIMUM FRONT YARD SETBACK	25 FT.	37' FT.
MINIMUM SIDE YARD SETBACK	7.5 FT.	27.6 FT.
MINIMUM REAR YARD SETBACK	25 FT.	26.1 FT.
MAXIMUM LOT COVERAGE (%)	30.0%	17.3%
MINIMUM OPEN SPACE (%)	50.0%	61.7%

\*\* PROVIDED INFORMATION AND OPEN SPACE CALCULATION BASED ON SPECIAL PERMIT PLAN ZONING CHART #61-98, BY DEVELLIS ASSOCIATES, INC. DATED FEBRUARY 10, 1998



SEAL

REVISION	

**CIVIL SITE  
PLAN**

JOB # 18061.00  
DATE: 04/05/19  
SCALE: 1"=20'  
DRAWN BY: WJP  
APPROVED BY: SRG

**C-1.1**

FILE:18061.00CPT SCANDINAVIAN.DWG

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P:\PROJECTS\2018\18061\00 SCANDINAVIAN LIVING CENTER - NEWTON\DWG\18061\00CPT SCANDINAVIAN.DWG

**NOTES:**

**GENERAL**

1. ALL SURVEY INFORMATION OF EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO PROPERTY LINES, FENCES, PAVING, OVERHEAD WIRES, ETC. ARE BASED ON THE SURVEY BY VTP ASSOCIATES, INC. AS DEPICTED EXISTING SITE PLAN. ALL SUCH INFORMATION IS APPROXIMATE AND THE CONTRACTOR IS RESPONSIBLE TO SURVEY AND FIELD VERIFY SUCH INFORMATION PRIOR TO CONSTRUCTION. CONSTRUCTION DELAYS AND/OR OTHER DAMAGES RESULTING FROM DISCREPANCIES BETWEEN INFORMATION PROVIDED AND ACTUAL EXISTING CONDITIONS WILL BE AT NO ADDITIONAL COST TO THE OWNER.
2. AS OF JANUARY 1, 2009, ALL TRENCH EXCAVATION CONTRACTORS SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82A, TRENCH EXCAVATION SAFETY REQUIREMENTS, TO PROTECT THE GENERAL PUBLIC FROM UNAUTHORIZED ACCESS TO UNATTENDED TRENCHES. TRENCH EXCAVATION PERMIT REQUIRED. THIS APPLIES TO ALL TRENCHES ON PUBLIC AND PRIVATE PROPERTY.
3. PRIOR TO OCCUPANCY PERMIT BEING ISSUED, AN AS-BUILT PLAN BY THE GENERAL CONTRACTOR SHALL BE SUBMITTED TO THE ENGINEERING DIVISION IN BOTH DIGITAL FORMAT AND IN HARD COPY. THE PLAN SHOULD SHOW ALL UTILITIES AND FINAL GRADES, ANY EASEMENTS AND FINAL GRADING.
4. THE CONTRACTOR WILL HAVE TO APPLY FOR A SIDEWALK CROSSING PERMIT WITH THE DPW.
5. THE CONTRACTOR SHALL NOTIFY AND COORDINATE ALL WORK WITH THE RESPECTIVE UTILITY COMPANIES 48 HOURS PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL REGISTER WITH "DIG SAFE" AT (888) DIG-SAFE, 72 HOURS PRIOR TO CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN "DIG SAFE" REGISTRATION AND "DIG SAFE" MARKINGS.
7. ALL WASTE MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND MUNICIPAL REGULATIONS.
8. ALL WORK SHALL COMPLY WITH FEDERAL, STATE AND MUNICIPAL REGULATIONS AND STANDARDS.
9. THE CONTRACTOR SHALL HAVE THE PROPER LICENSES AS REQUIRED BY THE STATE AND ANY OTHER GOVERNING AGENCIES.
10. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL BUILDINGS AT NO ADDITIONAL COST TO THE OWNER.
11. THE CONTRACTOR SHALL MAINTAIN APPROPRIATE DETOUR SIGNS WHEN WORK WILL IMPEDE TRAFFIC FLOW.
12. ALL UTILITY RIMS SHALL BE ADJUSTED TO MEET FINAL GRADE AND SHALL CONFORM WITH THE CONSTRUCTION STANDARDS OF THE RESPECTIVE UTILITY COMPANY.
13. FILL SHALL BE PLACED IN NO GREATER THAN 6" LIFTS AND COMPACTED TO AT LEAST 95% OF MAXIMUM COMPACTION.
14. BITUMINOUS CONCRETE PAVING BASE COURSE (AGGREGATE BASE COURSE) IN EXISTING, FULL DEPTH PAVING AREAS AND NON-PAVED AREAS SHALL CONFORM TO M1.03.0 TYPE B, OF THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES; MASSDOT - HIGHWAY STANDARD SPECIFICATIONS LATEST EDITION, WITH LESS THAN 8% BY WEIGHT PASSING THE NO. 200 SIEVE AND SHALL BE PLACED IN A MAXIMUM OF 6" THICK LIFTS.
15. BITUMINOUS CONCRETE PAVING SHALL CONFORM TO AASHTO M 20, M 81, AND M 140, ASTM D 1557; MASSACHUSETTS DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES; MASSDOT - HIGHWAY STANDARD SPECIFICATIONS LATEST EDITION SPECIFICATIONS SECTIONS 460 (CLASS I) AND 405.
16. BITUMINOUS MATERIAL FOR TACK COAT SHALL BE CUT-BACK ASPHALT (RAPID-CURING TYPE) CONFORMING TO AASHTO M81, GRADE RC-70 OR RC-250.
17. THE CONTRACTOR SHALL EFFECT A SMOOTH TRANSITION IN LANDSCAPED AREAS BETWEEN THE EXISTING GROUND AND THE PROPOSED GRADE.
18. NEW PAVEMENT SHALL TIE INTO EXISTING PAVEMENT WITH A SMOOTH TRANSITION. THE EXISTING PAVEMENT SHALL BE SAW CUT.

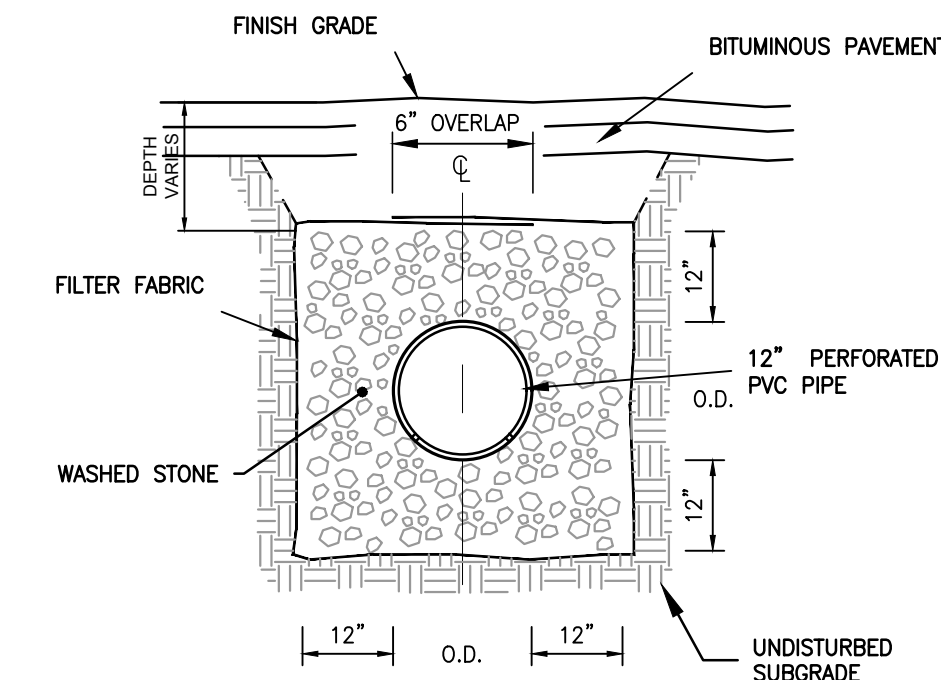
**STORM DRAINAGE SYSTEM**

31. THE SUB-SURFACE STORMWATER STORAGE SYSTEM MAY BE REJECTED FOR FAILURE TO MEET ANY OF THE REQUIREMENTS OF THIS SPECIFICATION.
32. THE CONTRACTOR NEEDS TO NOTIFY THE ENGINEERING DIVISION 48 HOURS IN ADVANCE AND SCHEDULE AN APPOINTMENT TO HAVE THE DRAINAGE SYSTEM INSPECTED. THE SYSTEM MUST BE FULLY EXPOSED FOR THE INSPECTOR. ONCE THE INSPECTOR IS SATISFIED, THE SYSTEM AND UTILITIES MAY THEN BE BACK-FILLED.
33. GALLEYS SHALL BE 4' X4'. PRECAST CONCRETE MANUFACTURED BY E. F. SHEA NEW ENGLAND CONCRETE PRODUCTS, INC. OR APPROVED EQUAL.
34. STONE USED AS PART OF THE INFILTRATION SYSTEM SHALL BE 3/4" - 1 1/2" WASHED STONE. THE STONE SHALL BE FREE FROM SHALE, CLAY, ORGANIC MATERIAL AND DEBRIS. NOT MORE THAN 0.5% OF SATISFACTORY MATERIAL PASSING A NO. 200 SIEVE WILL BE ALLOWED TO ADHERE TO THE STONE.
35. SUITABLE COMPACTABLE FILL SHALL BE GRANULAR WELL GRADED SOIL/AGGREGATE, TYPICALLY ROAD BASE OR EARTHEN FILL, MAXIMUM 4" PARTICLE SIZE. AASHTO M43 DESIGNATION: 56, 57, 6, 67, 68 EARTH. ASTM D2321 CLASS I & II, III (EARTH ONLY) PLACE IN MAX. 6" LIFTS TO A MIN. 90% STANDARD PROCTOR DENSITY.
36. FILTER FABRIC SHALL CONSIST OF MIRAFI 140 N OR APPROVED EQUAL.
37. POLYVINYL CHLORIDE (PVC) NON-PRESSURE PIPE FOR GRAVITY DRAINAGE SHALL CONFORM TO ASTM D 3034, SDR 35 MINIMUM WALL THICKNESS OR ASTM D 1785 SCHEDULE 40 WHEN SPECIFIED ON THE DRAWINGS.
38. ALL FRAMES AND COVERS SHALL BE CAST IRON, HEAVY DUTY, CONFORMING TO ASTM A 48, CLASS 35 AND SHALL BE DESIGNED TO SAFELY WITHSTAND AN AASHTO HS-20 LOADING.
39. PVC PIPE SHALL USE CLASS III EMBEDMENT MATERIALS AS DEFINED IN ASTM D 2321.

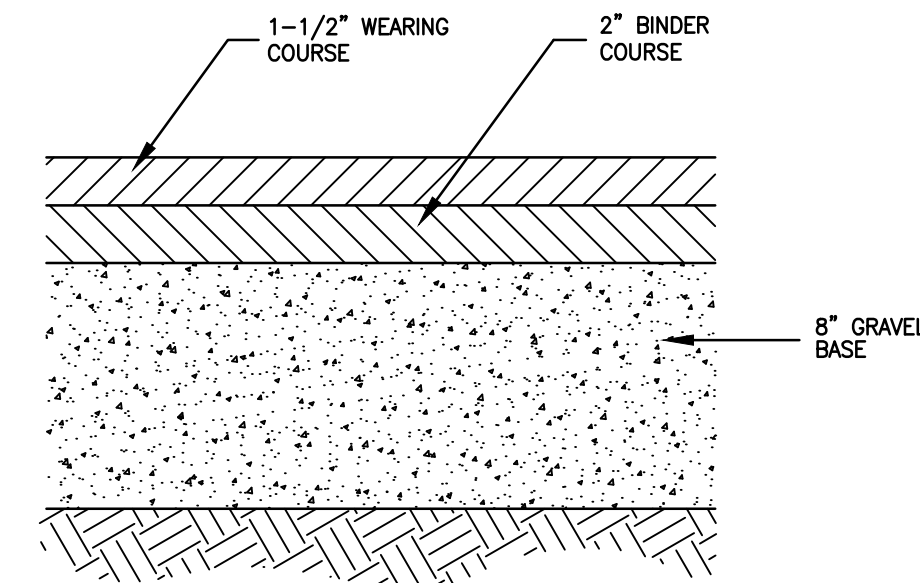
40. THE CONTRACTOR SHALL COORDINATE INSPECTIONS OF THE DRYWELL & INFILTRATION SYSTEM WITH THE ARCHITECT. INSPECTIONS SHALL BE CARRIED OUT AT THE FOLLOWING STAGES:
  - a. INSPECTION OF BOTTOM OF BED, PRIOR TO PLACING FILTER FABRIC AND STONE.
  - b. PRIOR TO BACKFILLING OVER SYSTEM
38. FAILURE OF THE CONTRACTOR TO COORDINATE INSPECTIONS WILL RESULT IN REFUSAL OF CERTIFICATION AND/OR EXHUMATION/REINSTALLATION OF THE SYSTEM COMPONENTS AT THE CONTRACTOR'S EXPENSE.
39. ALL NEW DRAINAGE PIPING AND DRAINAGE STRUCTURES WILL BE INSPECTED AND CLEANED USING AN APPROVED METHOD AT THE COMPLETION OF CONSTRUCTION.
40. PRECAST CONCRETE MANHOLES AND CATCH BASINS SHALL BE 48" DIA. AND SHALL CONFORM TO ASTM C 478. A. MANHOLES AND CATCH BASINS SHALL BE DESIGNED TO SAFELY WITHSTAND AN AASHTO HS-20 LOADING, AS SPECIFIED IN THE AASHTO SPECIFICATIONS.

**SOIL EROSION AND SEDIMENT CONTROL**

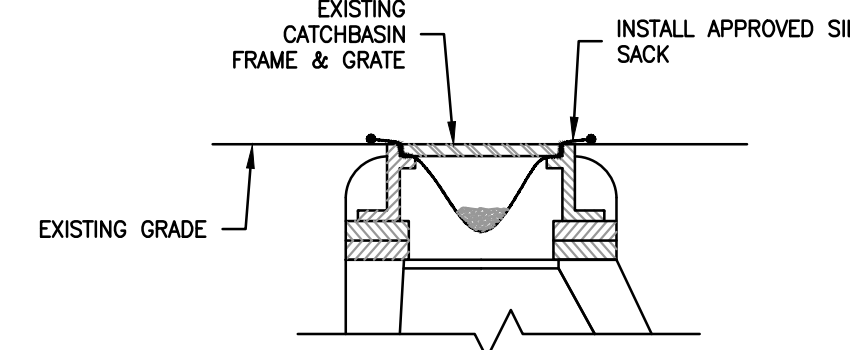
41. STRAW WATTLES SHALL HAVE CYLINDRICAL EXTERIOR OF JUTE OR HIGH-DENSITY POLYETHYLENE NETTING AND AN INTERIOR COMPOSED OF CERTIFIED SEED FREE AGRICULTURAL STRAW, AND HAVE DIAMETER OF 12" MINIMUM.
42. GRASS SEED FOR TEMPORARY SEED COVER SHALL BE PREVIOUS YEAR'S CROP. NOT MORE THAN 0.5% BY WEIGHT SHALL BE WEED SEED AND NOT MORE THAN 1.75% BY WEIGHT CROP SEED. SEED SHALL BE DELIVERED TO THE SITE IN SEALED CONTAINERS, LABELED WITH NAME OF SEED GROWER AND SEED FORMULA, IN FORM STATED BELOW. SEED SHALL BE DRY AND FREE OF MOLD.
43. SILTSACK CATCH BASIN FILTERS SHALL BE MANUFACTURED FROM A SPECIALLY DESIGNED WOVEN POLYPROPYLENE GEOTEXTILE MANUFACTURED BY SI GEOSOLUTIONS AND SEWN BY A DOUBLE NEEDLE MACHINE, USING A HIGH STRENGTH NYLON THREAD, SI GEOSOLUTIONS; OR APPROVED EQUAL.



**1 INFILTRATION TRENCH**  
NTS

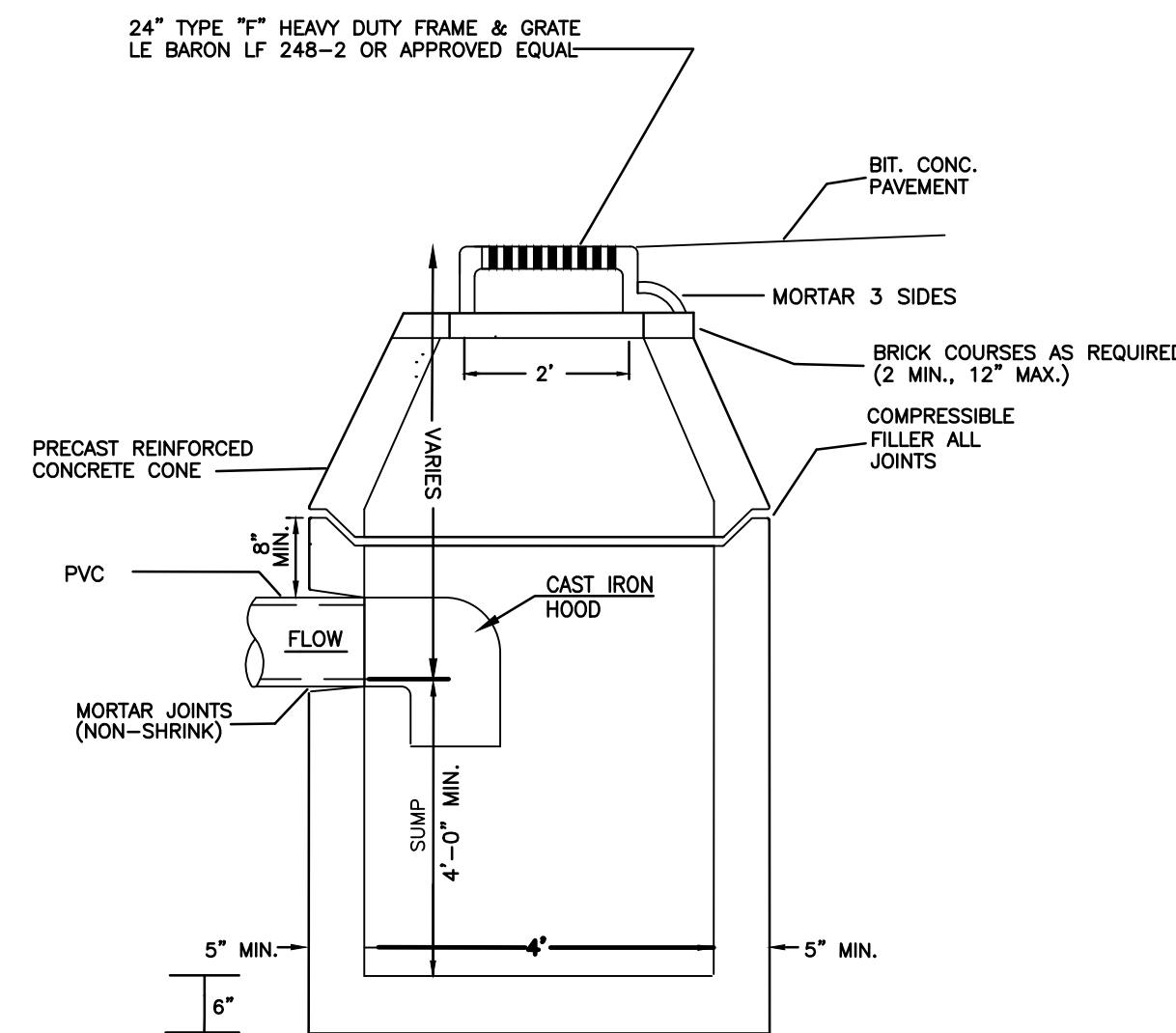


**3 BITUMINOUS PAVEMENT**  
NTS

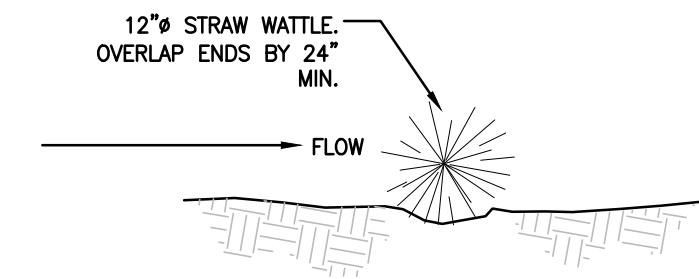


**4 CATCHBASIN W/ SILT SACK**  
NTS

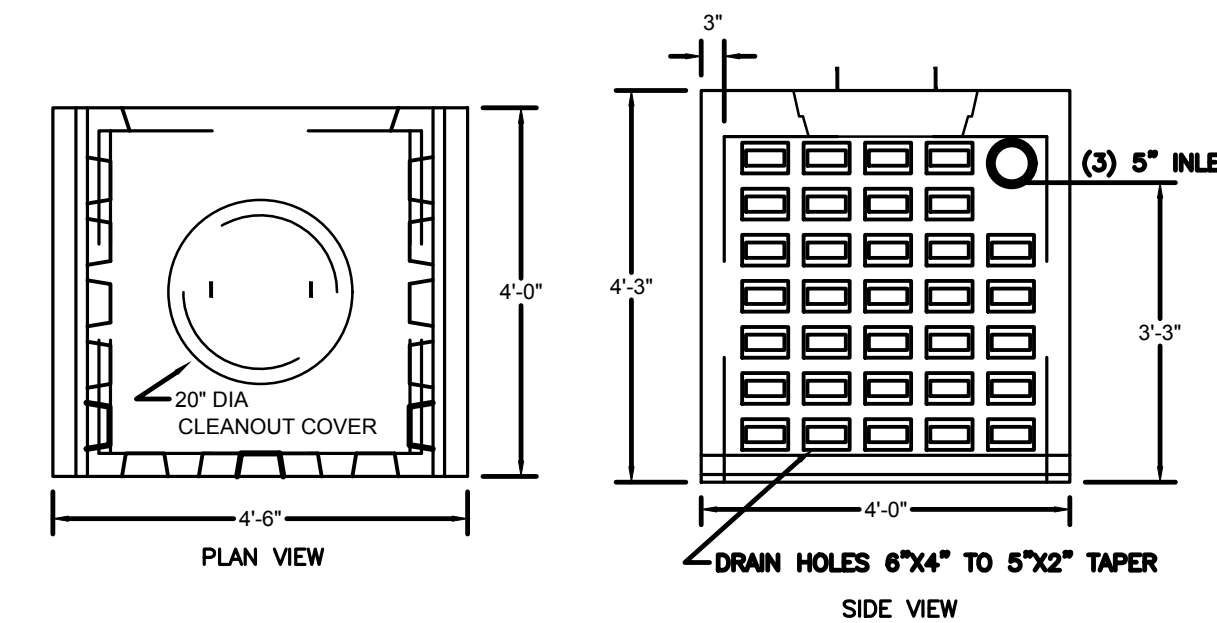
NOTE: ALL CATCH BASINS SHALL MEET THE REQUIREMENTS OF THE CITY OF NEWTON DEPARTMENT OF PUBLIC WORKS.



**6 CATCH BASIN**  
NTS



**2 STRAW WATTLE**  
NTS



- NOTES:
1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
  2. DESIGNED FOR H-20 LOADING.
  3. GALLEY AVAILABLE IN BOTH END AND CENTER SECTIONS. CENTER SECTIONS HAVE LARGE OPENING IN BOTH THE BACK AND FRONT SIDES.

ITEM NO.	LE-EGH	H-20	WEIGHT
			2,430#
	LE-CGH	H-20	2,300#

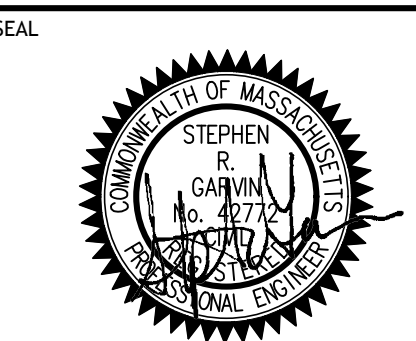
**5 PRECAST CONCRETE 4' X 4' GALLEYS**  
NTS



**Samiotes Consultants Inc.**  
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**SCANDINAVIAN**  
**LIVING CENTER**  
**206 WALTHAM STREET**  
**NEWTON, MASSACHUSETTS**



**REVISION**

NO.	DATE	DESCRIPTION

**CIVIL DETAIL**  
**+ NOTES**

JOB # 18061.00  
DATE: 04/05/19  
SCALE: 1"=20'  
DRAWN BY: WJP  
APPROVED BY: SRG

**C-2.1**

FILE:18061.00CPT SCANDINAVIAN.DWG