

#### LEGEND:

	EXISTING PROPERT	Y LINE =			EXISTING RETAINING WALL	
 	EXISTING EASEMEN	T LINE	<u> </u>		EXISTING MAJOR CONTOUR	
	EXISTING CATCH BA	ASIN			EXISTING MINOR CONTOUR EXISTING SPOT ELEVATION	
Q	EXISTING UTILITY P	OLE .	s -		PROPOSED SEWER SERVICE L	ΙN
	PROPOSED PROPER	RTY LINE -	w -		PROPOSED WATER SUPPLY L	IN
 	PROPOSED EASEME	NT LINE -	xx	×	PROPOSED FENCE	
 121	PROPOSED MINOR	CONTOUR	<del></del>	<del></del>	PROPOSED SILT FENCE	
120	PROPOSED MAJOR	CONTOUR -			PROPOSED CULVERT	
<sup>+</sup> 121.17	PROPOSED SPOT E	LEVATION	· · _	<b>-</b> · <b>-</b>	PROPOSED ROOF LEADER PIF	ÞЕ
	PROPOSED CATCH WITH INLET PROTEC	BASIN CTION			IMPERVIOUS SURFACE	
Ç0	PROPOSED CLEANO	DUT			PROPOSED SNOW STORAGE	
~	PROPOSED HYDRAN	NT				
<b>⊗</b>	PROPOSED WATER	VALVE				

#### **EXISTING UNDERGROUND UTILITY NOTES:**

PROPOSED SANITARY MANHOLE

1. CONTRACTOR SHALL DIG TEST PITS TO VERIFY LOCATION, SIZE AND PIPE MATERIAL OF EXISTING UNDERGROUND UTILITIES. IF ANY EXISTING UTILITIES ARE NOT IN THE LOCATION WHERE THEY ARE SHOWN ON THE PLAN, IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY.

### INSPECTION SCHEDULE & LONG TERM MAINTENANCE OF STORMWATER STRUCTURES

#### CATCH BASINS AND PIPING:

ALL CATCH BASINS SHALL BE INSPECTED AFTER EACH STORM EVENT FOR SEDIMENT ACCUMULATION, AND DEBRIS, AND REMOVE AS NECESSARY. WHEN SEDIMENT ACCUMULATION WITHIN THE CATCH BASIN SUMP REACHES 1/2 OF THE SUMP DEPTH, IT SHALL BE REMOVED. ASSOCIATED PIPING SHALL BE INSPECTED ANNUALLY AND ACCUMULATED SEDIMENT SHALL BE REMOVED AS NEEDED.

#### HYDRODYNAMIC DEVICES:

THE VORTEX UNITS SHALL BE INSPECTED QUARTERLY DURING THE FIRST YEAR OF OPERATION. THE MANUFACTURER RECOMMENDS THAT THE CDS UNITS BE INSPECTED BI—ANNUALLY (ONCE IN THE SPRING AND ONCE IN THE FALL). THE STRUCTURE SHALL BE VISUALLY INSPECTED FOR BLOCKAGES OR OBSTRUCTIONS IN THE INLET OR SEPARATION SCREEN. THE INSPECTION SHOULD ALSO QUANTIFY ACCUMULATION OF HYDROCARBONS, SEDIMENT AND TRASH WITHIN THE SYSTEM. INSPECTIONS AND MAINTENANCE SHALL BE PERFORMED BY QUALIFIED PERSONNEL WITH ADEQUATE TRAINING IN THESE TYPES OF UNITS. THE UNITS SHALL BE CLEANED BY VACUUM TRUCK ONCE A YEAR (EXCEPT FOR THE FIRST YEAR WHERE MORE FREQUENT CLEANINGS MAY BE REQUIRED).

#### INFILTRATION BAS

THE INFILTRATION BASIN SHALL BE INSPECTED MONTHLY FOR SEDIMENT AND DEBRIS ACCUMULATION. INFLOW PIPES, OUTLET STRUCTURES AND SPILLWAYS SHOULD ALSO BE INSPECTED FOR SEDIMENT AND DEBRIS MONTHLY. ANY ACCUMULATED SEDIMENT OR DEBRIS SHOULD BE REMOVED AS NECESSARY. PLANTINGS SHALL BE INSPECTED MONTHLY FOR HEIGHT, FERTILIZER, QUANTITY AND UNAUTHORIZED INVASIVE OR INAPPROPRIATE SPECIES. AFTER STORM EVENTS, THE INFILTRATION BASIN DEWATERING DURATION SHOULD ALSO BE MONITORED. THE BASIN FLOOR SHALL BE MOWED AS REQUIRED; HOWEVER, THE GRASS HEIGHT SHALL NOT EXCEED 18". SEDIMENT SHALL BE CLEANED OUT OF THE INFILTRATION BASIN ANNUALLY.

#### **GENERAL CONSTRUCTION NOTES:**

1. ALL OTHER UTILITIES (TELEPHONE, ELECTRIC, GAS, CABLE, ETC.) SHALL BE INCORPORATED PRIOR TO CONSTRUCTION. ALL SUCH UTILITY DESIGNS SHALL BE DEVELOPED IN COOPERATION WITH THE RESPECTIVE UTILITY COMPANIES.

2. THE CONTRACTOR SHALL PERFORM A UTILITIES CALL-OUT PRIOR TO CONSTRUCTION TO VERIFY ALL UNDERGROUND UTILITY LOCATIONS BY CONTACTING UFPO @ 1-800-962-7962.

3. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS AND INVERTS OF ALL CATCH BASINS & STORM SEWER LINES, SANITARY MANHOLES & SEWER LINES, WATERLINES AND OTHER UNDERGROUND UTILITY LINES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOT ASSUME THAT ALL LOCATIONS AS SHOWN ON THE PLAN ARE CORRECT. INVESTIGATIVE TEST PITS MAY BE REQUIRED TO VERIFY LOCATIONS.

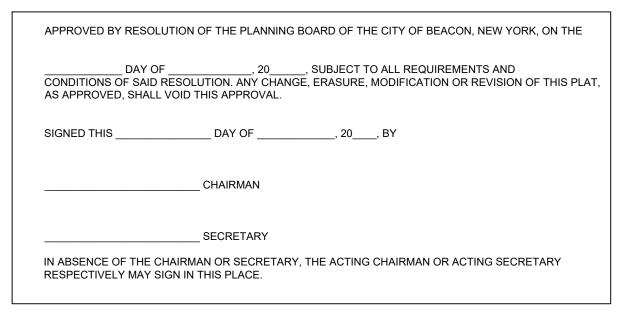
LOCATED WITHIN 10 FEET OF SEWER MAINS (AND SERVICE LATERALS).

#### POST CONSTRUCTION NOTES:

. UPON COMPLETION OF CONSTRUCTION OF THE STORMWATER FACILITIES, AS-BUILT DRAWINGS OF ALL STORMWATER PRACTICES AND AN OPERATION AND MAINTENANCE PLAN MANUAL SHALL BE PROVIDED TO THE CITY OF BEACON.

#### **SNOW STORAGE NOTES:**

1. SNOW STORAGE AREAS ARE SHOWN ON THIS PLAN.



# Grading And Utility Plan Sheet 5 of 8

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