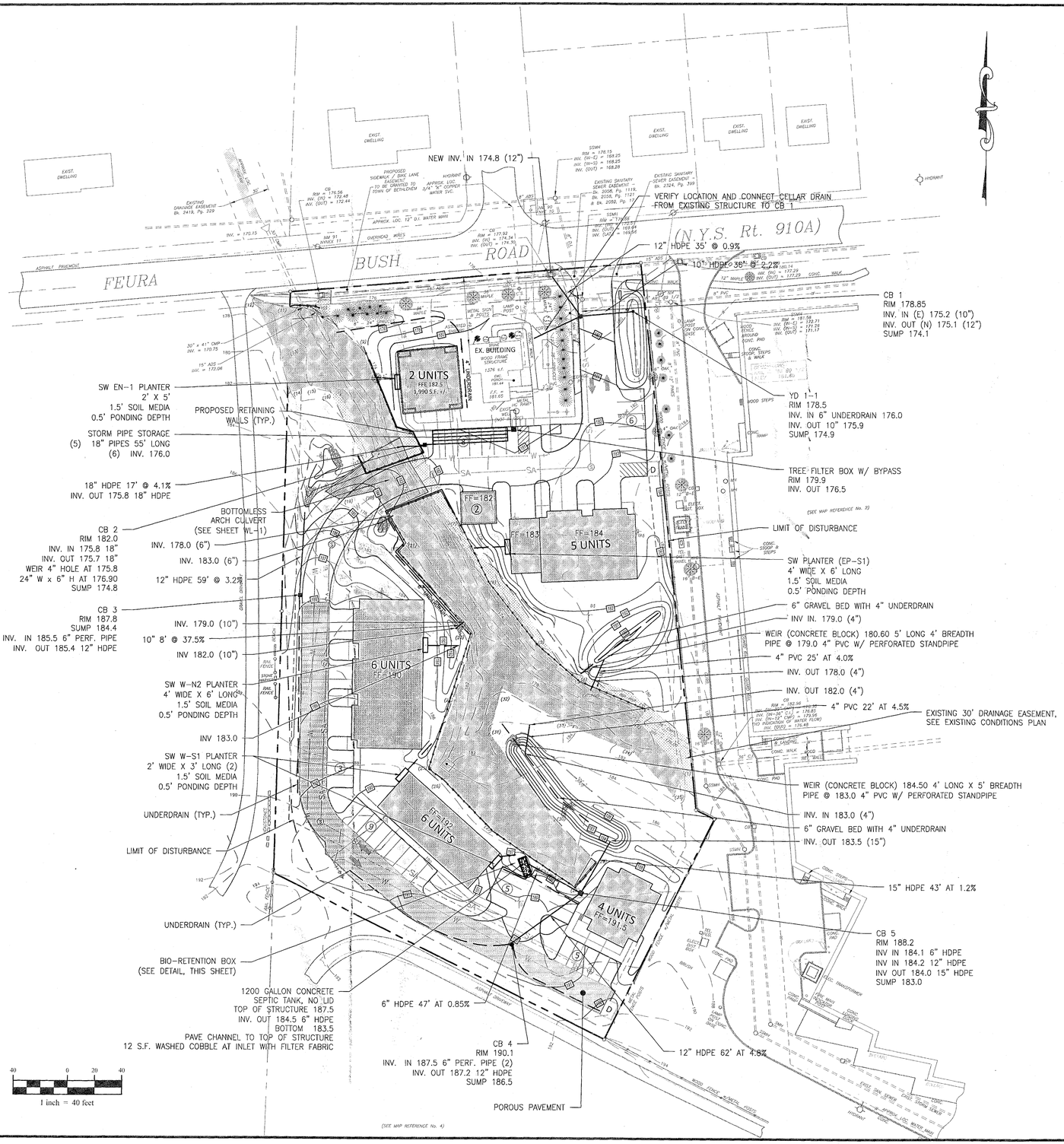


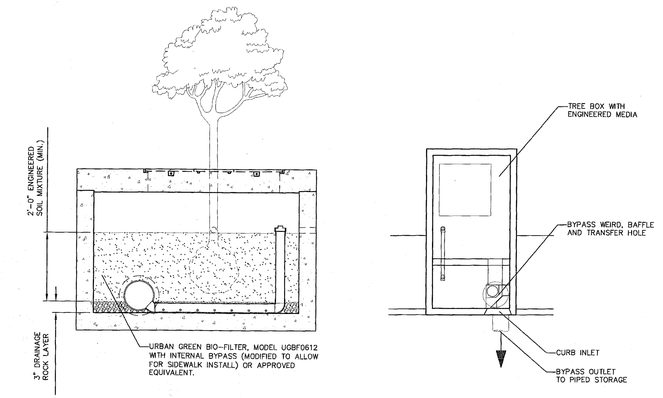
1 inch = 40 feet

NOTES:

1. REFER TO SHEET C1 – NOTES

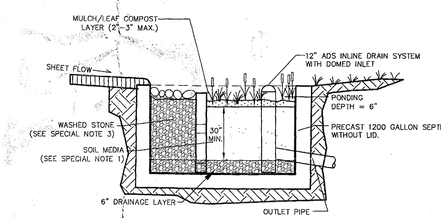
2. A.C.O.E. REQUIRES WETLANDS PROTECTION INCLUDING TEMPORARY CONSTRUCTION FENCE DENOTING THE WETLAND BOUNDARY DURING CONSTRUCTION. PERMANENT FENCE TO BE INSTALLED FOLLOWING GRADING OPERATIONS.

3. A STORM WATER POLLUTION PREVENTION PLAN(SWPPP) HAS BEEN PREPARED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR ADHERENCE TO THE PLAN AND OWNER IS RESPONSIBLE FOR OPERATIONS AND MAINTENANCE OF THE SYSTEM.



TREE FILTER BOX DETAIL

SCALE: NONE



SPECIAL NOTES

1. BIO-RETENTION SOIL – THE COMPOSITION OF THE SOIL MEDIA SHOULD CONSIST OF 70% SAND, 10% TOPSOIL WITH LESS THAN 10% CLAY CONTENT, AND 20% LEAF COMPOST. DO NOT COMPACT SOIL.
2. PLANTS SHOULD BE CONTAINER GROWN WITH A WELL ESTABLISHED ROOT SYSTEM, PLANTED ON ONE FOOT CENTERS. BASIN AREA SHOULD NOT BE SEEDED AS THIS TAKES TOO LONG TO ESTABLISH THE DESIRED ROOT SYSTEM, AND SEED MAY BE FLOATED OUT WITH RAIN EVENTS. SHREDDED HARDWOOD MULCH SHOULD BE APPLIED UP TO 2" TO HELP KEEP SOIL IN PLACE. SUGGESTED PLANTS INCLUDE SHRUBS SUCH AS: RIVER BIRCH, witch HAZEL, WINTERBERRY, ARROWWOOD, BROOKSIDE ALDER AND HERBACEOUS PLANTS SUCH AS: CINNAMON FERN, CUTLEAF CONEFLOWER, WOOLGRASS, NEW ENGLAND ASTER, FOX SEDGE, SWITCH GRASS AND JOE PYE WEED .

3. A SPLASH BLOCK, LARGE WASHED COBBLE OVER LANDSCAPE FABRIC COVERING WASHED STONE IN THE PRE-BAFFEL SECTION OF THE TANK IS TO BE PLACED AT THE POINT OF DISCHARGE PRIOR TO THE BIO-RETENTION MEDIA.

NOTES:

DIVERT WATER AWAY FROM TREATMENT AREA TO THE TEMPORARY A SEDIMENT TRAP UNTIL 80% VEGETATION HAS BEEN ESTABLISHED IN THE PLANTER.

BIO-RETENTION BOX

SCALE: NONE

LEGEND

DESCRIPTION	EXISTING	PROPOSED
FENCE		
10' CONTOUR LINE	200	200
2' CONTOUR LINE		
EDGE OF STREAM OR RIVER		
LAKE OR POND		
PROPERTY LINE		
SILT FENCE		
GRADING LIMITS		
EDGE OF PAVEMENT		
EDGE OF WOODS		
BUILDING		
STORM SEWER		
SANITARY SEWER		
WATER LINE		
GAS LINE		
ELECTRIC & TELEPHONE		
CATCH BASIN		
MANHOLE		
HYDRANT		
WATER VALVE/CONTROL VALVE		
POWER POLE / UTILITY POLE		
TREE TO BE REMOVED		X

TOWN OF BETHLEHEM APPROVAL

INCHES 0 1 2
Town of Bethlehem, NY

Town of Bethlehem Planning Board
By direction of the Chairman
these plans are hereby Approved.
See first sheet for date & signature.
C-4

NO.	REVISION	DATE	BY
7	RESPONSE TO COMMENTS	09-12-13	LS
6	RESPONSE TO COMMENTS	07-18-13	LS
5	REVISED LAYOUT	06-03-13	LS
4	RESPONSE TO COMMENTS	02-15-13	LS
3	RESPONSE TO COMMENTS	02-06-13	LS
2	REDUCED 8 UNIT TO 8 UNIT	10-01-12	LS
1	ONE WAY DRIVE	09-20-12	LS

GORDON RESIDENTIAL DEVELOPMENT

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STATE OF NEW YORK · MICHAEL B. TUCKER · LICENSED PROFESSIONAL ENGINEER

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Creighton Manning
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DESIGNED: L.S. | DRAWN BY: T.A.R. | CHECKED: M.B.T.

FEURA BUSH ROAD APARTMENTS
408, 410 FEURA BUSH ROAD
BETHLEHEM, NEW YORK

GRADING & DRAINAGE PLAN

DATE: 06-17-12 | CME No.: 112-022 | SCALE: AS NOTED

C-5

SHEET NUMBER 5 of 13

Last Saved by: Ted Ransow
Plot Date: October 7, 2013 10:27 AM
File Name: F:\Projects\2012\112-022 Feura\Bush Apt-Gordon\cadd\dwg\C5 GRADING & DRAINAGE.dwg