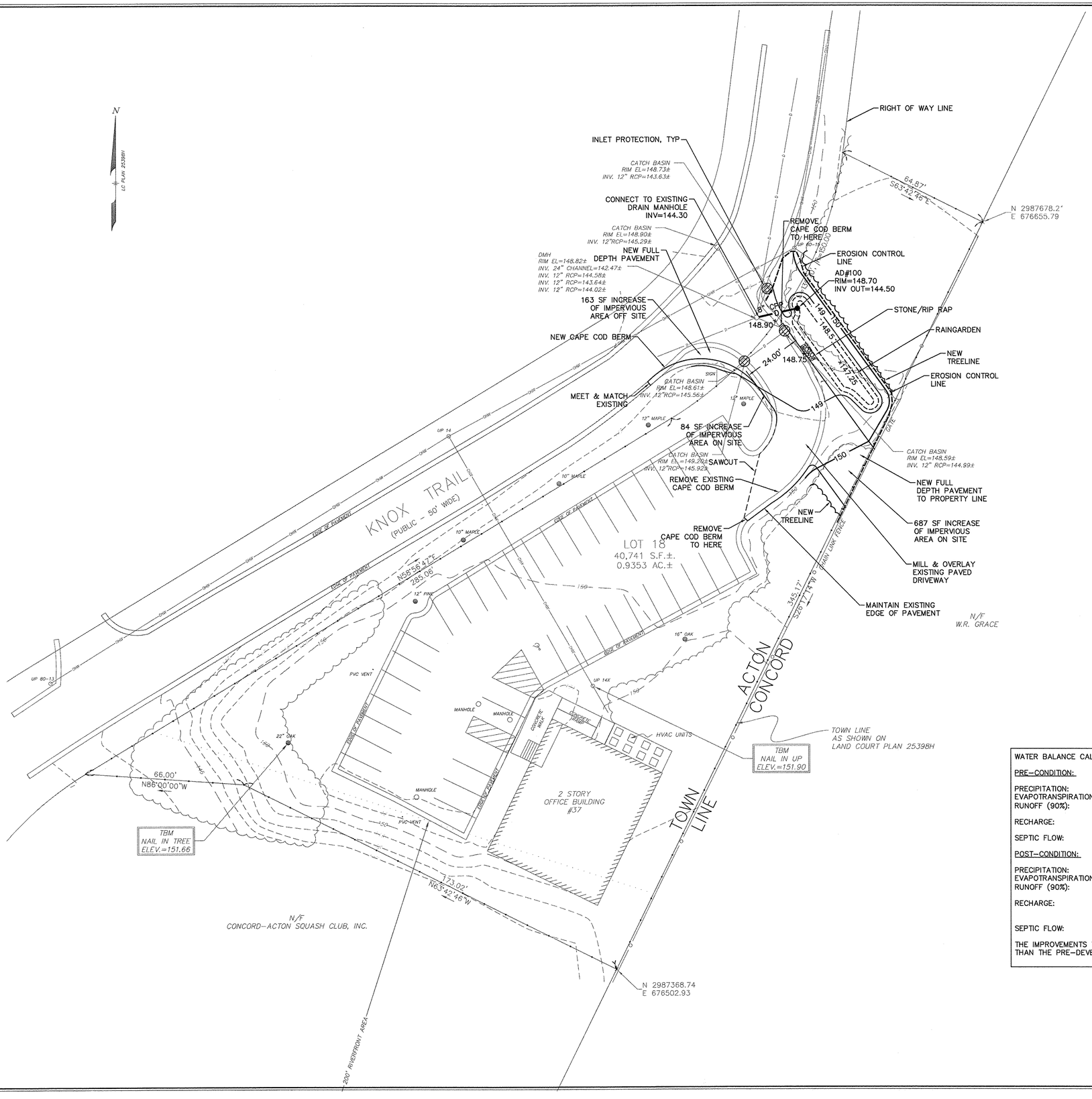

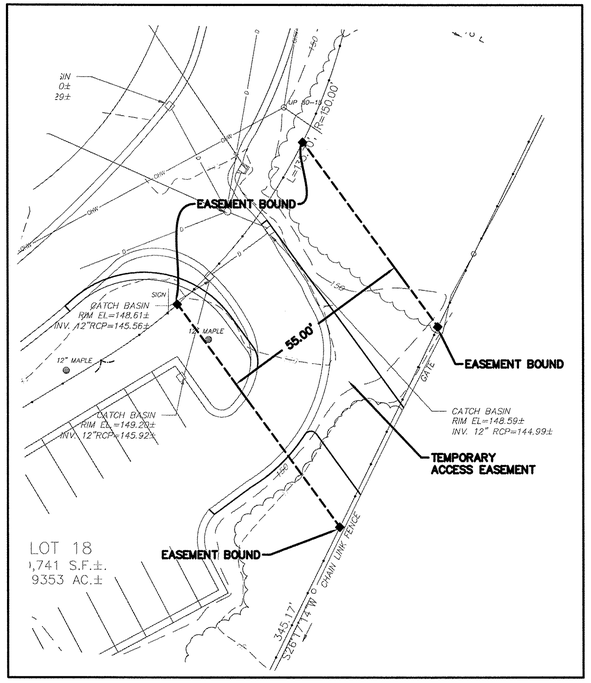

EASEMENT LAYOUT

WATER BALANCE CALCULATIONS

PRE-CONDITION:

PRECIPITATION:	43.76 INCHES PER YEAR
EVAPOTRANSPIRATION:	50.13 INCHES PER YEAR
RUNOFF (90%):	0 INCHES PER YEAR FOR STORM EVENTS OF 1.25 INCHES OR LESS THIS IS 90% OF ALL STORMS OVER A YEAR
RECHARGE:	STORM EVENTS OF 1.25 INCHES OR SMALLER IN LANDSCAPED AREAS REMAIN ON THE SITE. PARKING LOT RUNOFF IS SENT TO THE CLOSED DRAINAGE SYSTEM
SEPTIC FLOW:	0 INCHES AS BUILDING IS NOT BEING USED

POST-CONDITION:

PRECIPITATION:	43.76 INCHES PER YEAR
EVAPOTRANSPIRATION:	50.13 INCHES PER YEAR
RUNOFF (90%):	0 INCHES PER YEAR FOR STORM EVENTS OF 1.25 INCHES OR LESS THIS IS 90% OF ALL STORMS OVER A YEAR
RECHARGE:	STORM EVENTS OF 1.25 INCHES OR SMALLER IN LANDSCAPED AREAS ARE RECHARGED ON THE SITE. RUNOFF FROM PROPOSED WORK IS RECHARGED BY THE RAIN GARDEN UP TO THE 10-YEAR STORM EVENT (1,300± S.F.)
SEPTIC FLOW:	0 INCHES AS BUILDING IS NOT BEING USED

THE IMPROVEMENTS TO THE STORMWATER SYSTEM WILL PROVIDE MORE RECHARGE IN THE POST-DEVELOPMENT CONDITION THAN THE PRE-DEVELOPMENT CONDITION.

SCALE:
1" = 20'
20 10 0 20 40

COMMONWEALTH OF MASSACHUSETTS
STEVEN VENTRESCA
CIVIL
No. 46872
REGISTERED PROFESSIONAL ENGINEER
7/3/2014

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- Transportation Engineering
- Sustainable Site Consulting
- Planning
- GIS

SITE PLAN

37 KNOX TRAIL ACTON, MA 01720

PREPARED FOR:
CONCORD PUBLIC SCHOOLS
120 MERIAM ROAD CONCORD, MA 01742

REV.	COMMENTS	DATE

REVISIONS

NITSCH PROJECT #	I0079
FILE:	I0079CLO.DWG
SCALE:	1" = 20'
DATE:	07/03/2014
PROJECT MANAGER:	SV
SURVEYOR:	
DRAFTED BY:	NGG
CHECKED BY:	SV

C1.0

7/3/2014 9:25 PM

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