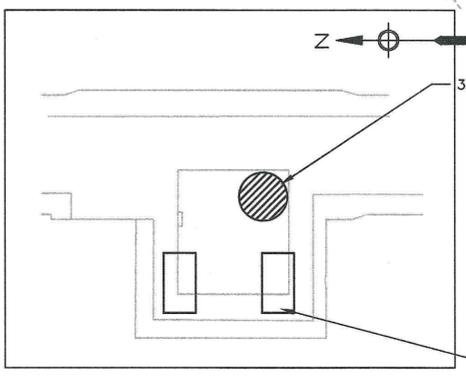
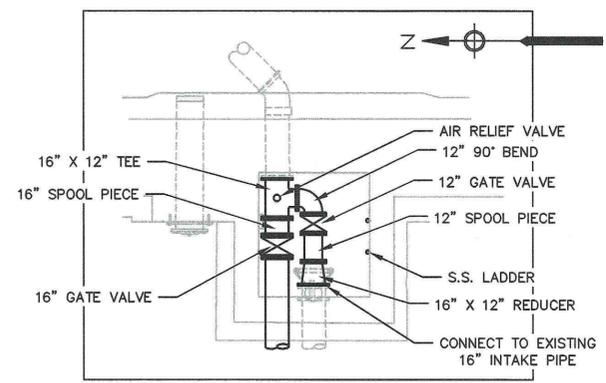


INSET "D": GATE HOUSE AND DAM
SCALE: 1" = 30'



INSET "F": GATE HOUSE IMPROVEMENTS (ABOVE SLAB)
SCALE: NTS



INSET "E": GATE HOUSE IMPROVEMENTS (BELOW SLAB)
SCALE: NTS

TABLE A - COORDINATES FOR INTAKE PIPING

POINT	X COORDINATE	Y COORDINATE
A	671876.9864	3011630.0853
B	672577.6934	3011363.7084
C	672833.0437	3011043.6155
D	673046.1666	3010862.5252
E	673812.0181	3010864.9833
F	673904.8839	3010924.0485
G	673993.7357	3010898.4703
H	674127.8502	3010908.0536

PLAN
SCALE: 1" = 80'

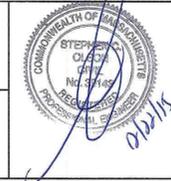
NOTES:
1. POND, GATEHOUSE, AND DAM ARE WITHIN THE 100 YEAR AE FLOOD ZONE AND THE ZONE A 400' BUFFER



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MARK	DATE	DESCRIPTION
Δ	12/22/15	NOI HEARING REVISIONS

Scale	1" = 80'
Date	NOVEMBER 2015
Job No.	200-1501
Designed by	ZFK/DNRP
Drawn by	LEU
Checked by	DNRP
Approved by	SCO

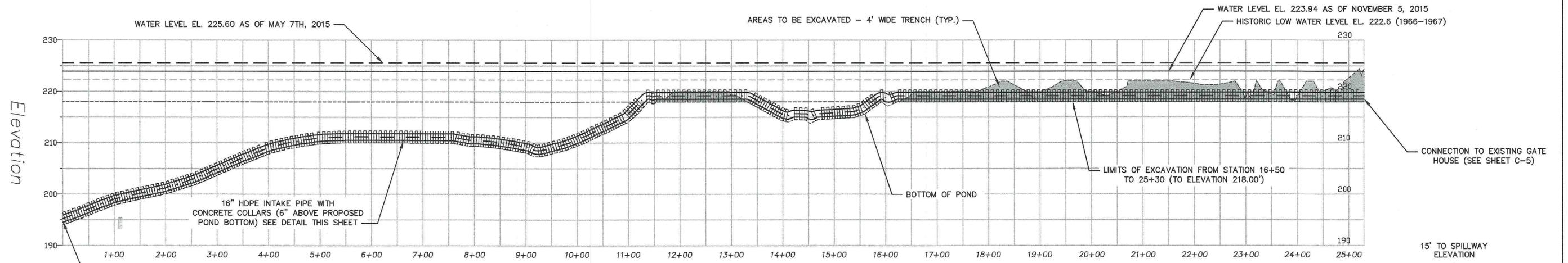
THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

NAGOG POND WATER TREATMENT PLANT
TOWN OF CONCORD, MASSACHUSETTS

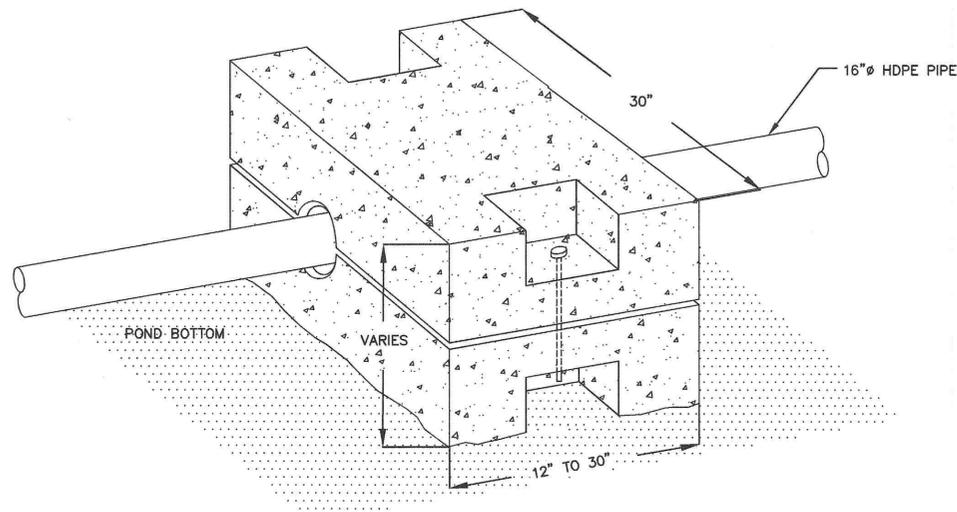
INTAKE LAYOUT PLAN

FOR PERMITTING
Sheet No.
C-5

Drawing file: I:\Concord\200-1501 Nagog Pond WTP Conceptual Design\Permitting Drawings\NOI\revision Drawings\Conceptual Design Revisions.dwg Pk1 Date: Dec 22, 2015 9:52pm

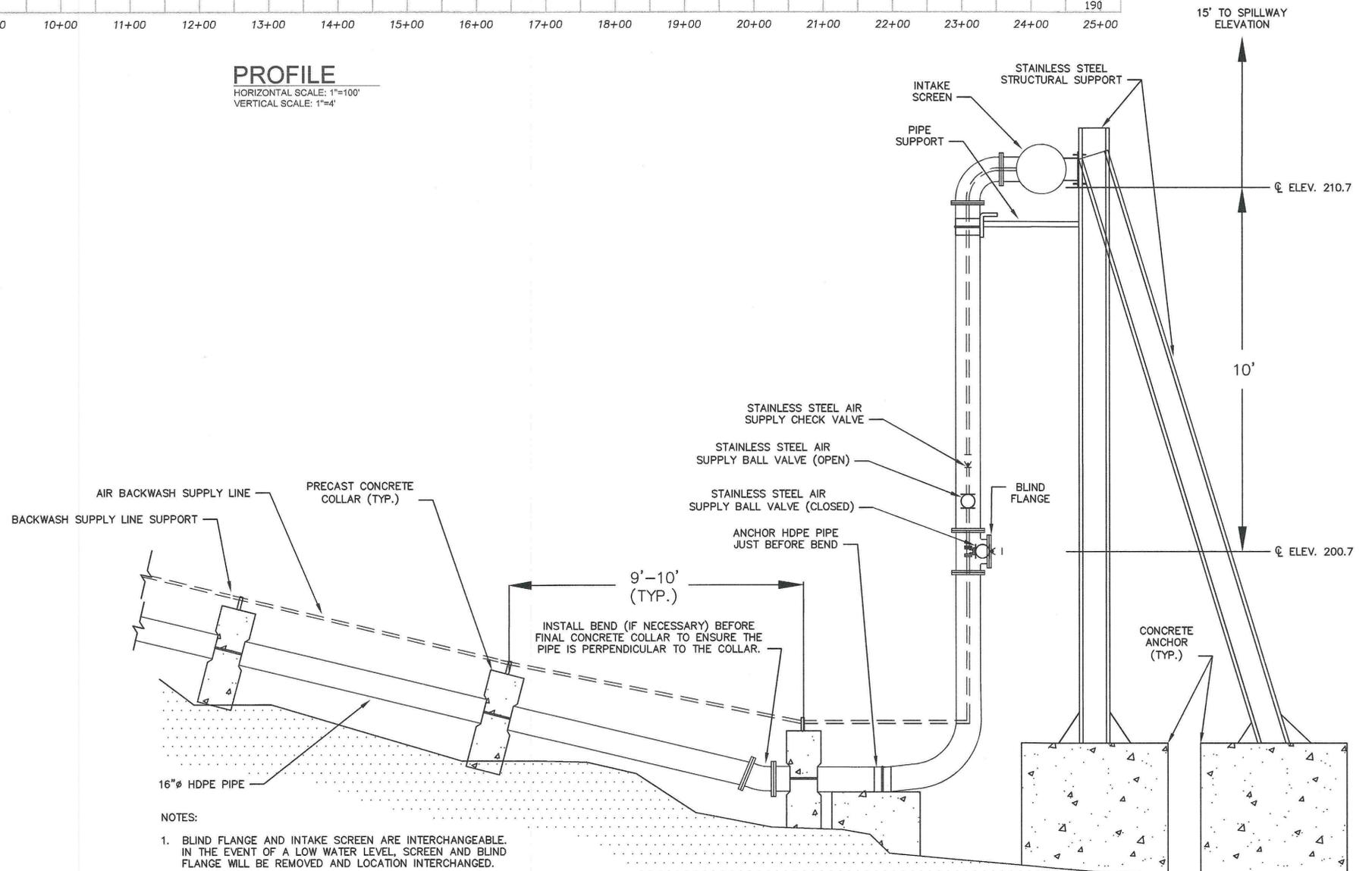


PROFILE
 HORIZONTAL SCALE: 1"=100'
 VERTICAL SCALE: 1"=4'



PROPOSED PRECAST CONCRETE COLLAR
 SCALE: N.T.S.

- NOTES:
1. FLEXIBLE COUPLINGS OR EXPANSION LOOPS SHALL BE PROVIDED ALONG HDPE PIPE ALIGNMENT.
 2. PROVIDE FLEXIBLE CONNECTOR AT HDPE CONNECTION TO INTAKE SCREENS.
 3. AIR BURST PIPING SHALL BE SUPPORTED FROM CONCRETE COLLARS.



INTAKE SCREEN DETAIL
 SCALE: N.T.S.

- NOTES:
1. BLIND FLANGE AND INTAKE SCREEN ARE INTERCHANGEABLE. IN THE EVENT OF A LOW WATER LEVEL, SCREEN AND BLIND FLANGE WILL BE REMOVED AND LOCATION INTERCHANGED.
 2. ALL SUBMERGED HARDWARE SHALL BE STAINLESS STEEL.

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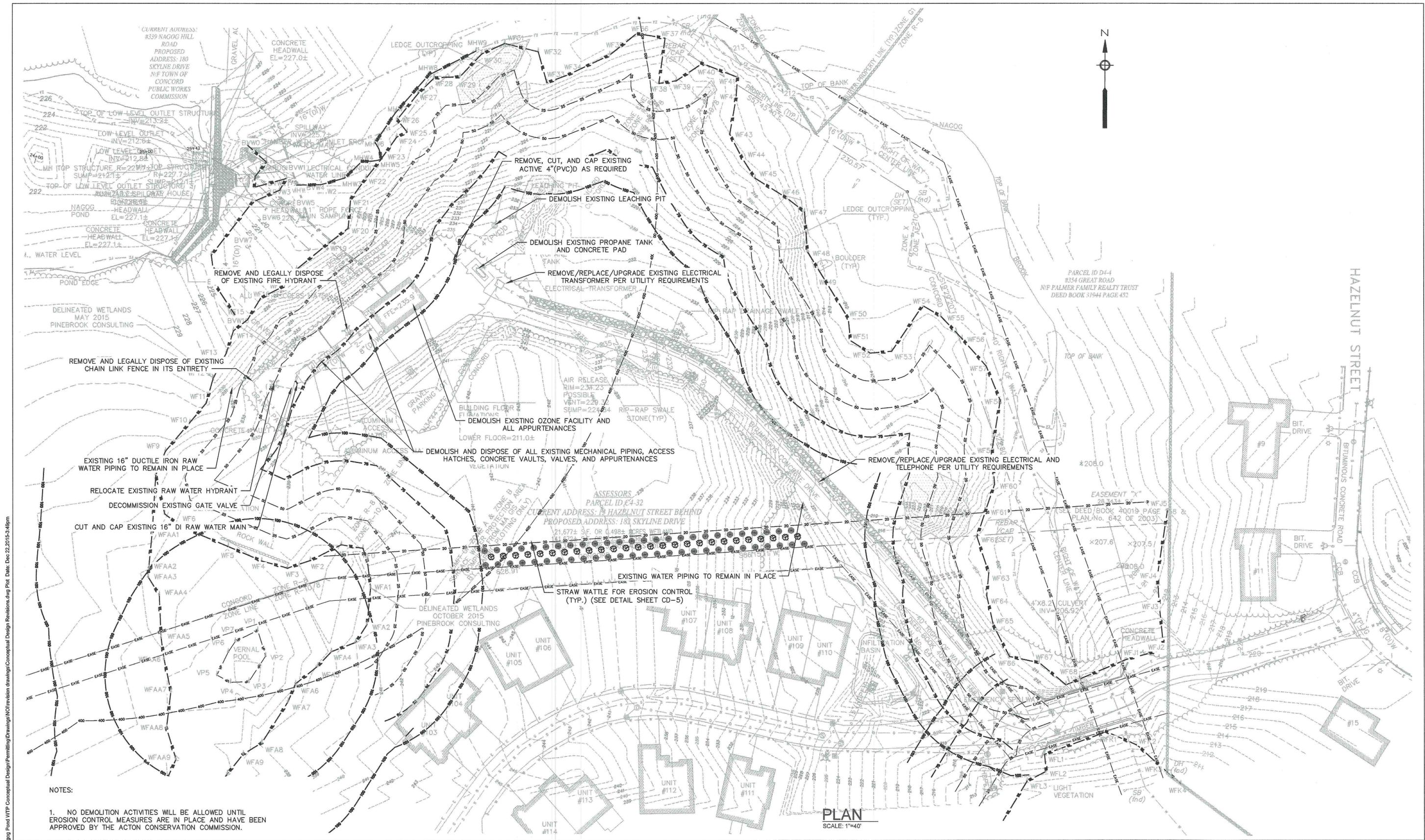
MARK	DATE	DESCRIPTION
△	12/22/15	NOI HEARING REVISIONS

Scale	AS SHOWN
Date	NOVEMBER 2015
Job No.	200-1501
Designed by	ZFK/DNRP
Drawn by	LEU
Checked by	DNRP
Approved by	SCO

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NAGOG POND WATER TREATMENT PLANT
 TOWN OF CONCORD, MASSACHUSETTS
 INTAKE LAYOUT PROFILE AND DETAILS

FOR PERMITTING
 Sheet No.
C-6



NOTES:
 1. NO DEMOLITION ACTIVITIES WILL BE ALLOWED UNTIL EROSION CONTROL MEASURES ARE IN PLACE AND HAVE BEEN APPROVED BY THE ACTON CONSERVATION COMMISSION.

PLAN
 SCALE: 1"=40'

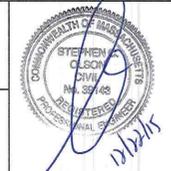
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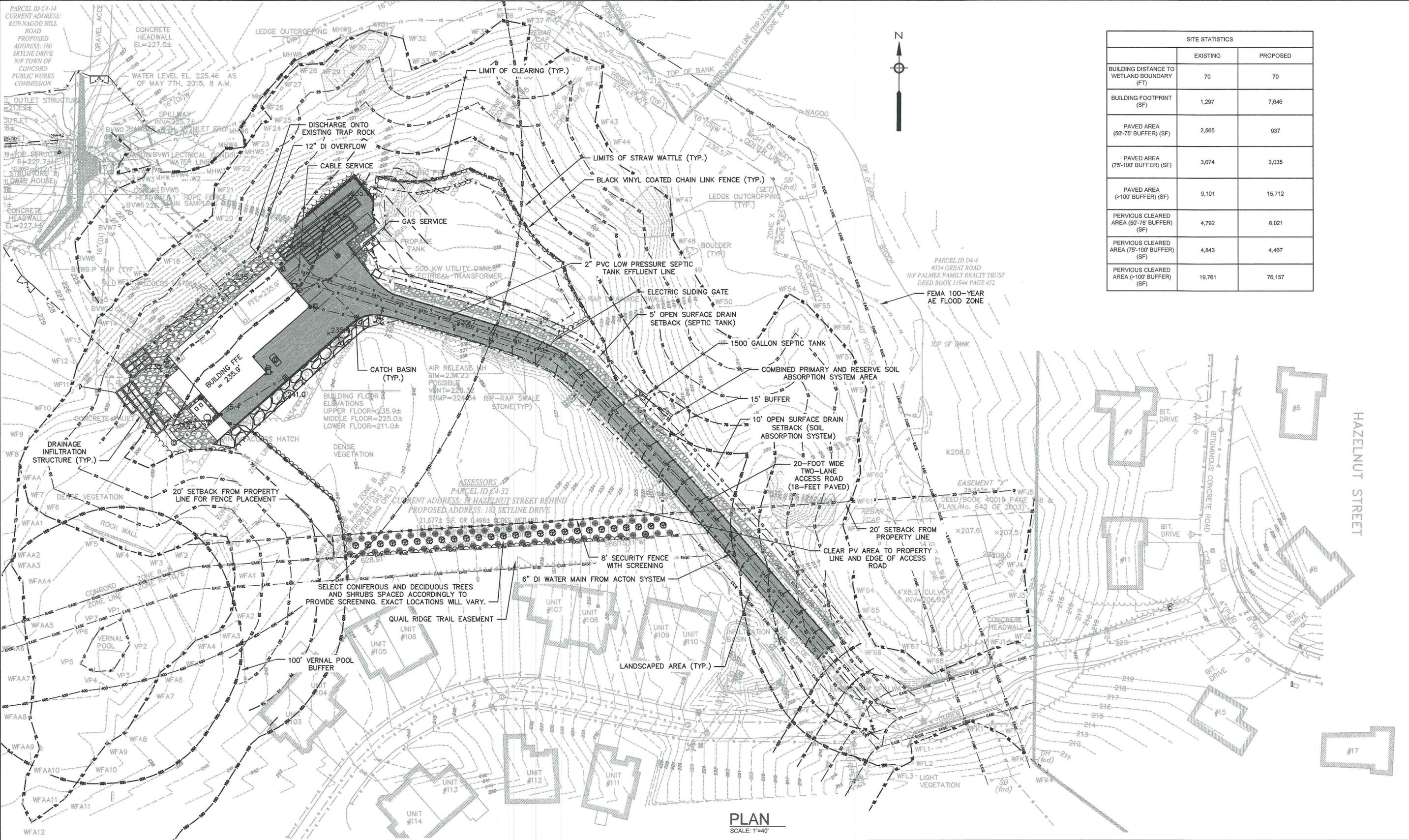
MARK	DATE	DESCRIPTION
Δ	12/22/15	NOI HEARING REVISIONS

Scale	1" = 40'
Date	NOVEMBER 2015
Job No.	200-1501
Designed by	LEU
Drawn by	LEU
Checked by	DNRP
Approved by	SCO

THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

NAGOG POND WATER TREATMENT PLANT
 TOWN OF CONCORD, MASSACHUSETTS
WATER TREATMENT PLANT DEMOLITION AND EROSION CONTROL PLAN

FOR PERMITTING
 Sheet No.
C-8



SITE STATISTICS		
	EXISTING	PROPOSED
BUILDING DISTANCE TO WETLAND BOUNDARY (FT)	70	70
BUILDING FOOTPRINT (SF)	1,297	7,646
PAVED AREA (60'-75' BUFFER) (SF)	2,565	937
PAVED AREA (75'-100' BUFFER) (SF)	3,074	3,035
PAVED AREA (>100' BUFFER) (SF)	9,101	15,712
PERVIOUS CLEARED AREA (60'-75' BUFFER) (SF)	4,792	6,021
PERVIOUS CLEARED AREA (75'-100' BUFFER) (SF)	4,843	4,467
PERVIOUS CLEARED AREA (>100' BUFFER) (SF)	19,761	76,157

Drawing file: I:\Concord\200200-1501\Nagog Pond WTP Conceptual Design\Final\Drawings\NOI\revision drawings\NOI\revision drawings\Conceptual Design Revisions.dwg Plot Date: Dec 22, 2015 3:48pm



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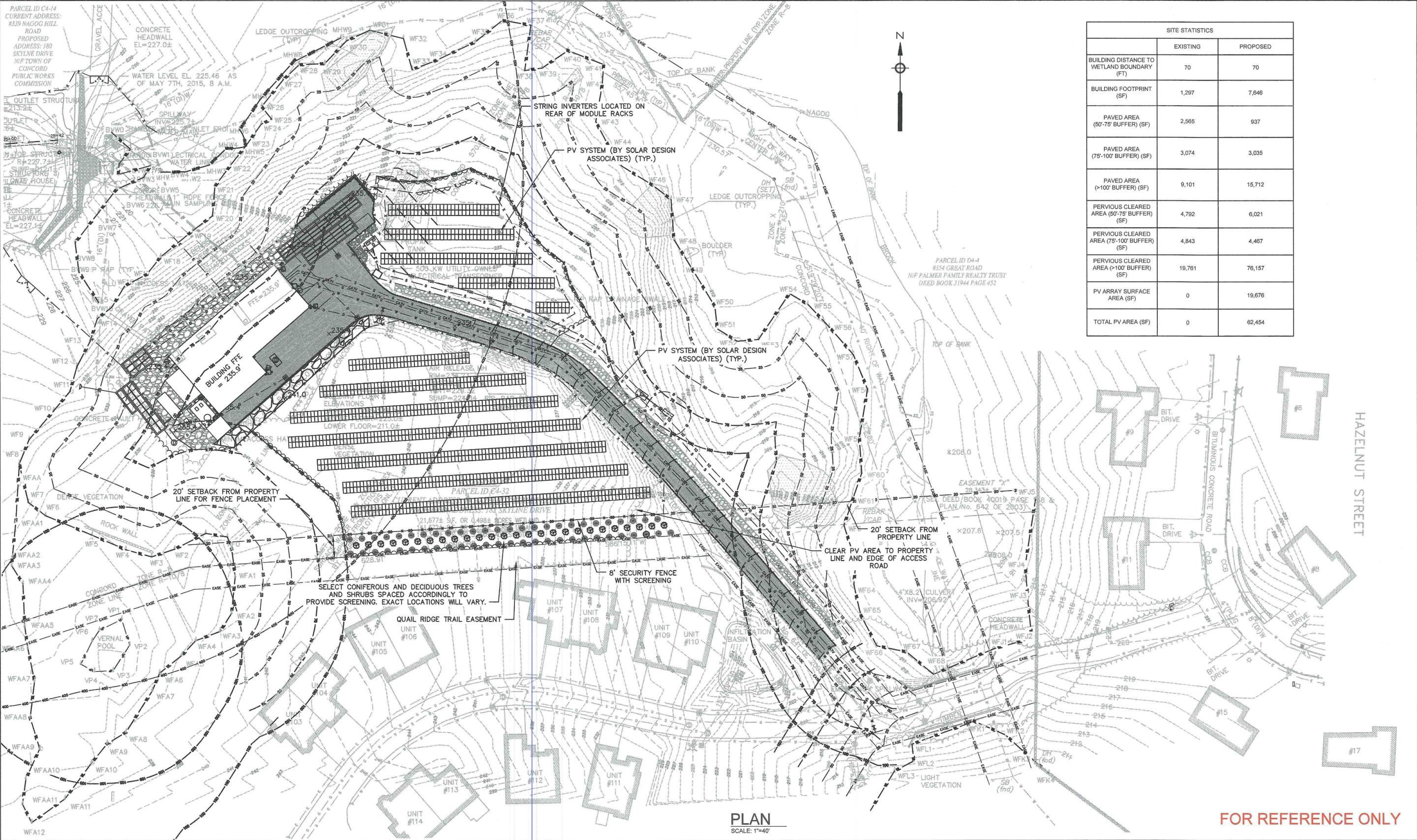
MARK	DATE	DESCRIPTION
Δ	12/22/15	NOI HEARING REVISIONS

Scale	1" = 40'
Date	NOVEMBER 2015
Job No.	200-1501
Designed by	LEU
Drawn by	LEU
Checked by	DNRP
Approved by	SCO

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NAGOG POND WATER TREATMENT PLANT
 TOWN OF CONCORD, MASSACHUSETTS
 WATER TREATMENT PLANT
 LAYOUT PLAN - 40 SCALE

FOR PERMITTING
 Sheet No.
C-9



SITE STATISTICS		
	EXISTING	PROPOSED
BUILDING DISTANCE TO WETLAND BOUNDARY (FT)	70	70
BUILDING FOOTPRINT (SF)	1,297	7,646
PAVED AREA (60'-75' BUFFER) (SF)	2,565	937
PAVED AREA (75'-100' BUFFER) (SF)	3,074	3,035
PAVED AREA (>100' BUFFER) (SF)	9,101	15,712
PERVIOUS CLEARED AREA (60'-75' BUFFER) (SF)	4,792	6,021
PERVIOUS CLEARED AREA (75'-100' BUFFER) (SF)	4,843	4,467
PERVIOUS CLEARED AREA (>100' BUFFER) (SF)	19,761	76,157
PV ARRAY SURFACE AREA (SF)	0	19,676
TOTAL PV AREA (SF)	0	62,454

PLAN
SCALE: 1"=40'

FOR REFERENCE ONLY

			Scale	1" = 40'	<p>NAGOG POND WATER TREATMENT PLANT</p> <p>TOWN OF CONCORD, MASSACHUSETTS</p> <p>WATER TREATMENT PLANT</p> <p>SUPPLEMENTAL SOLAR LAYOUT PLAN - 40 SCALE</p>	<p>FOR PERMITTING</p> <p>Sheet No.</p> <p>C-9S</p>
			Date	DECEMBER 2015		
Job No.	200-1501	Designed by	LEU	<p>MARK DATE DESCRIPTION</p>		
Drawn by	LEU	Checked by	DNRP		Approved by	SCO
<p>LIN ASSOCIATES, INC. CONSULTING ENGINEERS</p>		<p>DiMarinisi & Wolfe ARCHITECTS • URBAN DESIGNERS BOSTON, MASSACHUSETTS</p>				

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