



Area of Birch Street To Be  
Widened For A Right Turn  
Only Lane



LEGEND

- 256--- EXISTING CONTOUR
- 256- PROPOSED CONTOUR
- x 177.5 EXIST. SPOT GRADE
- x 177.5 PROP. SPOT GRADE
- ~ PROP. SURFACE WATER FLOW
- ⊙ DRAINAGE MANHOLE
- D- DRAIN LINE
- UTILITY POLE
- GW GUY WIRE
- OHW- OVERHEAD WIRES
- - - EROSION CONTROL
- ETC- ELECTRIC, TELEPHONE & CABLE LINE
- ○ ○ ○ ○ STONE WALL
- EOP EDGE OF PAVEMENT
- FND. FOUND
- N/F NOW OR FORMERLY
- DH DRILLHOLE
- I.P. IRON PIPE/IRON PIN
- A.P. ASSESSORS PARCEL
- BK. PG. DEED BOOK/PAGE
- B BOLLARD
- /// BUILDING
- ~ EXISTING TREE LINE
- ~ ~ ~ EDGE OF WETLAND

PREPARED FOR:

88 CORP.  
31 Whitewood Road  
Milford, MA 01757

TITLE:

Preliminary  
INTERSECTION  
IMPROVEMENT PLAN  
In  
Milford, Massachusetts

PREPARED BY:



**ALLEN ENGINEERING  
& ASSOCIATES, INC.**

Civil Engineers • Surveyors  
Land Development Consultants  
One Charlesview Road  
Suite 2  
Hopedale, Ma 01747  
(508) 381-3212 • Phone  
www.allen-ea.com

SCALE:

1"=40 FEET



DATE:

June 20, 2018

REVISIONS

#	DATE	DESCRIPTION	INIT

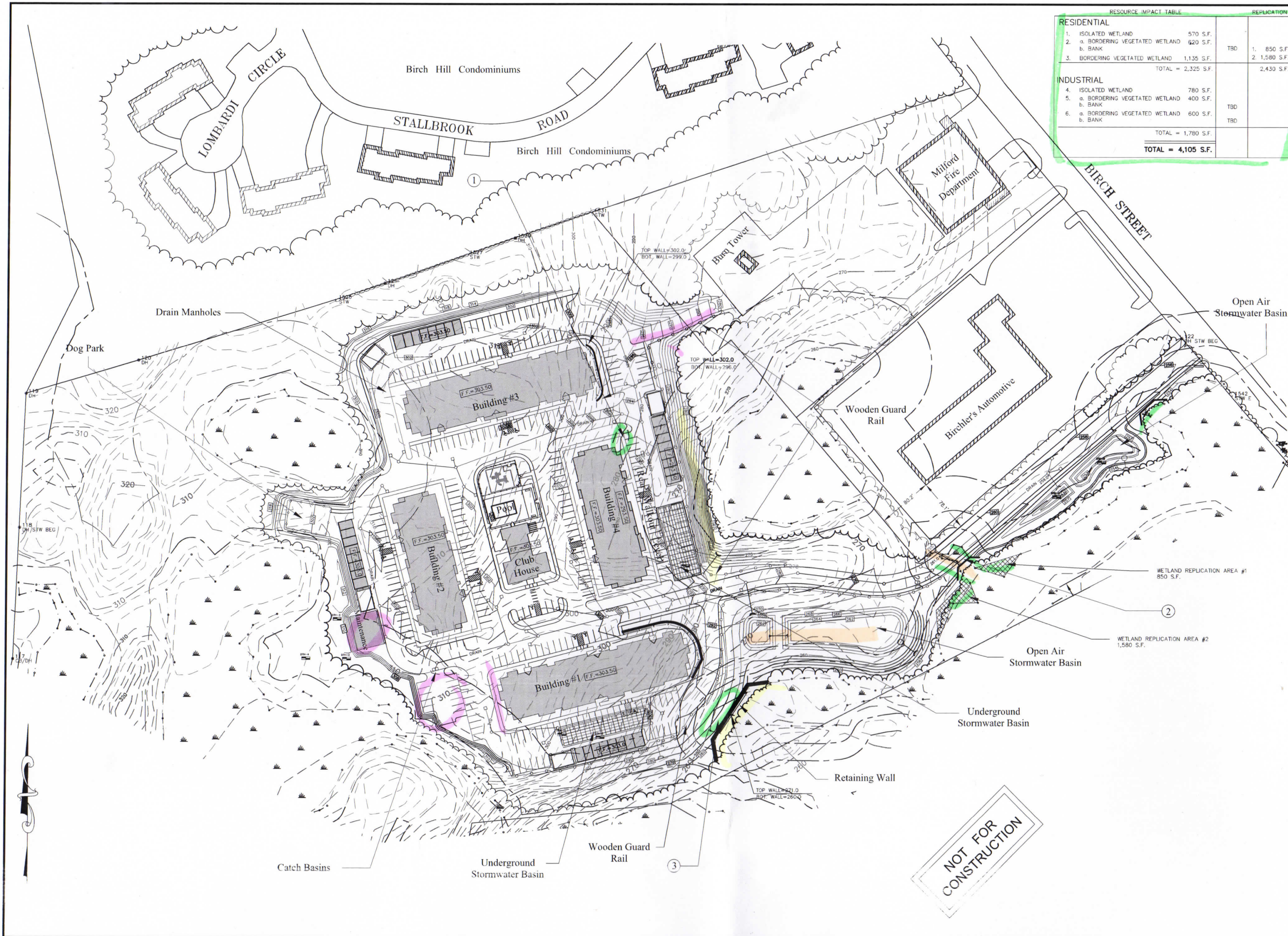
JOB NO:

0510

SHEET:

1 of 1





RESOURCE IMPACT TABLE			REPLICATION	
RESIDENTIAL				
1. ISOLATED WETLAND	570 S.F.		TBD	1. 850 S.F.
2. a. BORDERING VEGETATED WETLAND	620 S.F.			2. 1,580 S.F.
b. BANK				
3. BORDERING VEGETATED WETLAND	1,135 S.F.			
TOTAL = 2,325 S.F.				2,430 S.F.
INDUSTRIAL				
4. ISOLATED WETLAND	780 S.F.		TBD	
5. a. BORDERING VEGETATED WETLAND	400 S.F.			
b. BANK				
6. a. BORDERING VEGETATED WETLAND	600 S.F.		TBD	
b. BANK			TBD	
TOTAL = 1,780 S.F.				
TOTAL = 4,105 S.F.				

**LEGEND**

- 256--- EXISTING CONTOUR
- 256- PROPOSED CONTOUR
- x 177.5 EXIST. SPOT GRADE
- x 177.5 PROP. SPOT GRADE
- PROP. SURFACE WATER FLOW
- ⊙ DRAINAGE MANHOLE
- DRAIN LINE
- UTILITY POLE
- GW GUY WIRE
- OH-W OVERHEAD WIRES
- EROSION CONTROL
- ETC ELECTRIC, TELEPHONE & CABLE LINE
- STONE WALL
- EQP EDGE OF PAVEMENT
- FND FOUND
- N/F NOW OR FORMERLY
- DH DRILLHOLE
- IP IRON PIPE/IRON PIN
- AP ASSESSORS PARCEL
- DK PG DEED BOOK/PAGE
- BOLLARD
- BUILDING
- EXISTING TREE LINE
- EDGE OF WETLAND

PREPARED FOR:  
**88 CORP.**  
31 Whitewood Road  
Milford, MA 01757

TITLE:  
**Preliminary  
GRADING, DRAINAGE &  
EROSION CONTROL PLAN**  
For  
"Birch Street Place"  
In  
Milford, Massachusetts

PREPARED BY:  
  
**ALLEN ENGINEERING  
& ASSOCIATES, INC.**  
Civil Engineers • Surveyors  
Land Development Consultants  
One Charlesview Road  
Suite 2  
Hopedale, Ma 01747  
(508) 381-3212 • Phone  
www.allen-ea.com

6/20/18  
PROFESSIONAL ENGINEER

SCALE: 1"=80 FEET

DATE: March 29, 2018

REVISIONS		
#	DATE	DESCRIPTION
1	6/29/18	FOR GEN & TOWN REVIEW

NOT FOR  
CONSTRUCTION



# PRELIMINARY SITE DESIGN PLAN

For

## "Birch Street Place"

In

# Milford, Massachusetts

DATE: March 29, 2018

Revised: June 20, 2018



APPLICANT

88 CORP.  
31 Whitewood Road  
Milford, MA 01757

ARCHITECT

HPA Design, Inc.  
200 Stonewall Blvd., Suite 5  
Wrentham, MA 02093

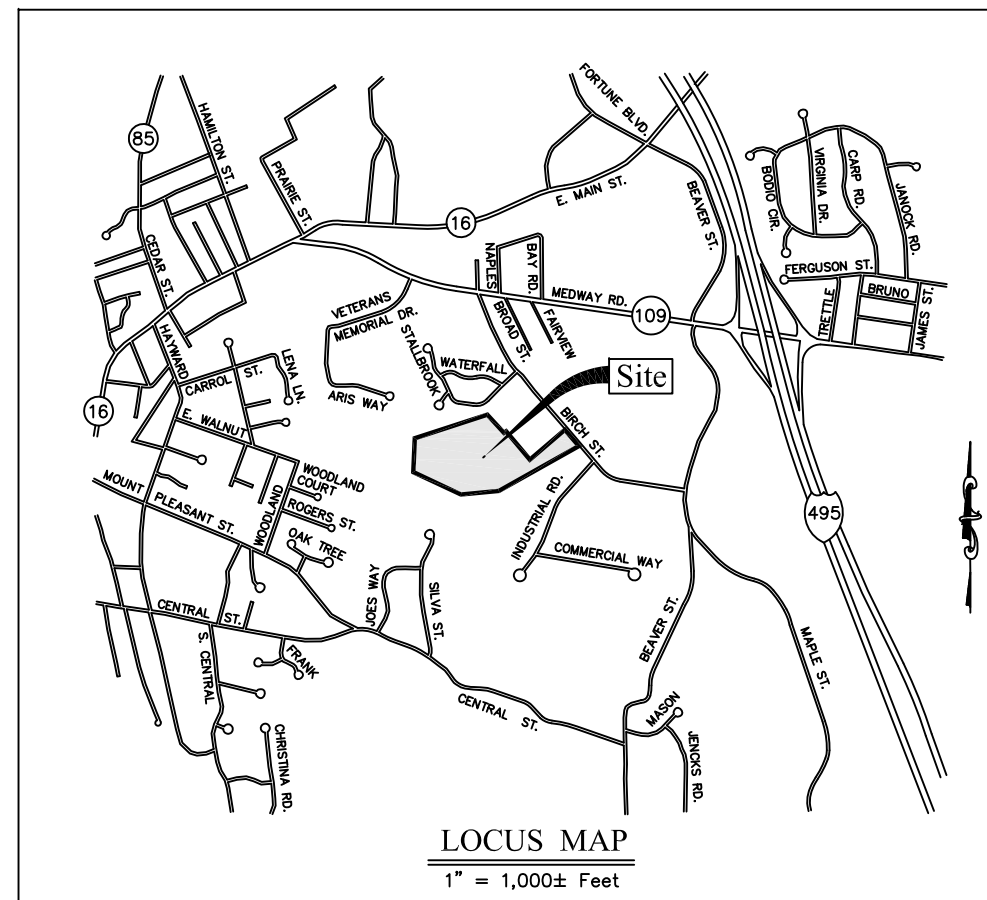
CIVIL ENGINEER & SURVEYOR

Allen Engineering & Associates, Inc.  
One Charlesview Road, Suite 2  
Hopedale, MA 01747

LANDSCAPE ARCHITECT

Bohler Engineering  
352 Turnpike Road  
Southborough, MA 01772

TITLE	SHEET
Cover Sheet	1
Existing Conditions Plan	2
Parking & Layout Plan	3
Grading & Drainage Plan	4
Utility Plan	5
Landscape Plan	6
Landscape Plan	7
Landscape Detail Plan	8
Landscape Detail Plan	9
Lighting Plan	10
Lighting Detail Plan	11
Site Construction Details Plan	12
Site Construction Details Plan	13
Site Construction Details Plan	14



ZONING TABLE	
HIGHWAY INDUSTRIAL (IB)	
DESCRIPTION	REQUIRED
LOT AREA	80,000 S.F.
FRONTAGE	230 FEET
SETBACKS	
FRONT	50 FEET
SIDE	25 FEET
REAR	30 FEET
HEIGHT	60 FEET

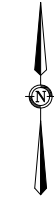
Lot 18  
1,190,252±s.f.  
(27.32 Ac.)  
40B RESIDENTIAL



Lot 20  
394,871±s.f.  
(9.06 Ac.)  
INDUSTRIAL

Lot 19  
411,844±s.f.  
(9.45 Ac.)  
INDUSTRIAL

- NOTES
- MILFORD ASSESSORS MAP NO. 46, BLOCK 0, PARCEL 6A.
  - DEED REFERENCE: WORCESTER COUNTY REGISTRY: LAND COURT CERTIFICATE: 110366  
LAND COURT PLAN: 32710-F, FILED WITH CERTIFICATE 9860
  - ELEVATIONS REFER TO NAD 88 DATUM.
  - THIS PLAN IS THE RESULT OF AN ON-THE-GROUND SURVEY PERFORMED BY ODONE SURVEY & MAPPING DURING APRIL AND MAY 2017 AND SUPPLEMENTED BY AERIAL MAPPING OBTAINED FROM GUERRIERE AND HALNON, INC.
  - SITE CONTAINS APPROXIMATELY 45.0 ACRES OF LAND.
  - THIS SUBJECT PARCEL RESIDES IN A DISTRICT ZONED HIGHWAY INDUSTRIAL 1 (IB).  
LOT SIZE: 80,000 S.F.  
FRONTAGE: 230 FEET  
SETBACKS:  
FRONT: 50 FEET  
SIDE: 25 FEET  
REAR: 30 FEET  
HEIGHT: 60 FEET OR 5 STORIES
  - THE SITE FALLS WITHIN A FLOOD ZONE X (AREA OF MINIMAL FLOODING) ACCORDING TO FLOOD INSURANCE RATE MAP PANEL NUMBER 25027C0888E.
  - THIS SITE DOES NOT CONTAIN RARE WILDLIFE CERTIFIED VERNAL POOLS OR HABITATS OF RARE SPECIES ACCORDING TO THE LATEST MASS GIS LAYER DATA.
  - ALLEN ENGINEERING, LLC IS NOT RESPONSIBLE FOR ANY EXISTING ON OR OFF SITE CONDITIONS THAT MAY EXIST OR THAT MAY RESULT FROM THE FUTURE DEVELOPMENT OF THIS PARCEL.
  - WETLAND RESOURCE AREAS WERE FLAGGED BY GODDARD CONSULTING, LLC IN APRIL 2017. FLAGS WERE LOCATED BY AN ON-THE-GROUND SURVEY BY ODONE SURVEY & MAPPING, LLC. THE TOWN OF MILFORD'S CONSERVATION COMMISSION HAS ISSUED THE PROPERTY AN ORDER OF CONDITIONS IN AUGUST 2017.



LEGEND

- 256--- EXISTING CONTOUR
- 256- PROPOSED CONTOUR
- x 177.5 EXIST. SPOT GRADE
- x 177.5 PROP. SPOT GRADE
- ~ PROP. SURFACE WATER FLOW
- ⊙ DRAINAGE MANHOLE
- D- DRAIN LINE
- UTILITY POLE
- GW GUY WIRE
- OHW- OVERHEAD WIRES
- - - EROSION CONTROL
- ETC- ELECTRIC, TELEPHONE & CABLE LINE
- ○ ○ ○ ○ STONE WALL
- EOP EDGE OF PAVEMENT
- FND. FOUND
- N/F NOW OR FORMERLY
- OH DRILLHOLE
- I.P. IRON PIPE/IRON PIN
- A.P. ASSESSORS PARCEL
- BK. PG. DEED BOOK/PAGE
- B BOLLARD
- /// BUILDING
- ~ EXISTING TREE LINE
- - - EDGE OF WETLAND

PREPARED FOR:

88 CORP.  
31 Whitewood Road  
Milford, MA 01757

TITLE:

EXISTING CONDITIONS  
PLAN  
For  
"Birch Street Place"  
In  
Milford, MA

PREPARED BY:

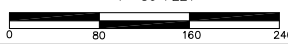


**ALLEN ENGINEERING  
& ASSOCIATES, Inc.**  
Civil Engineers • Surveyors  
Land Development Consultants  
One Charlesview Road  
Suite 2  
Hopedale, Ma 01747  
(508) 381-3212 • Phone  
www.allen-ea.com



PROFESSIONAL ENGINEER

SCALE: 1"=80 FEET

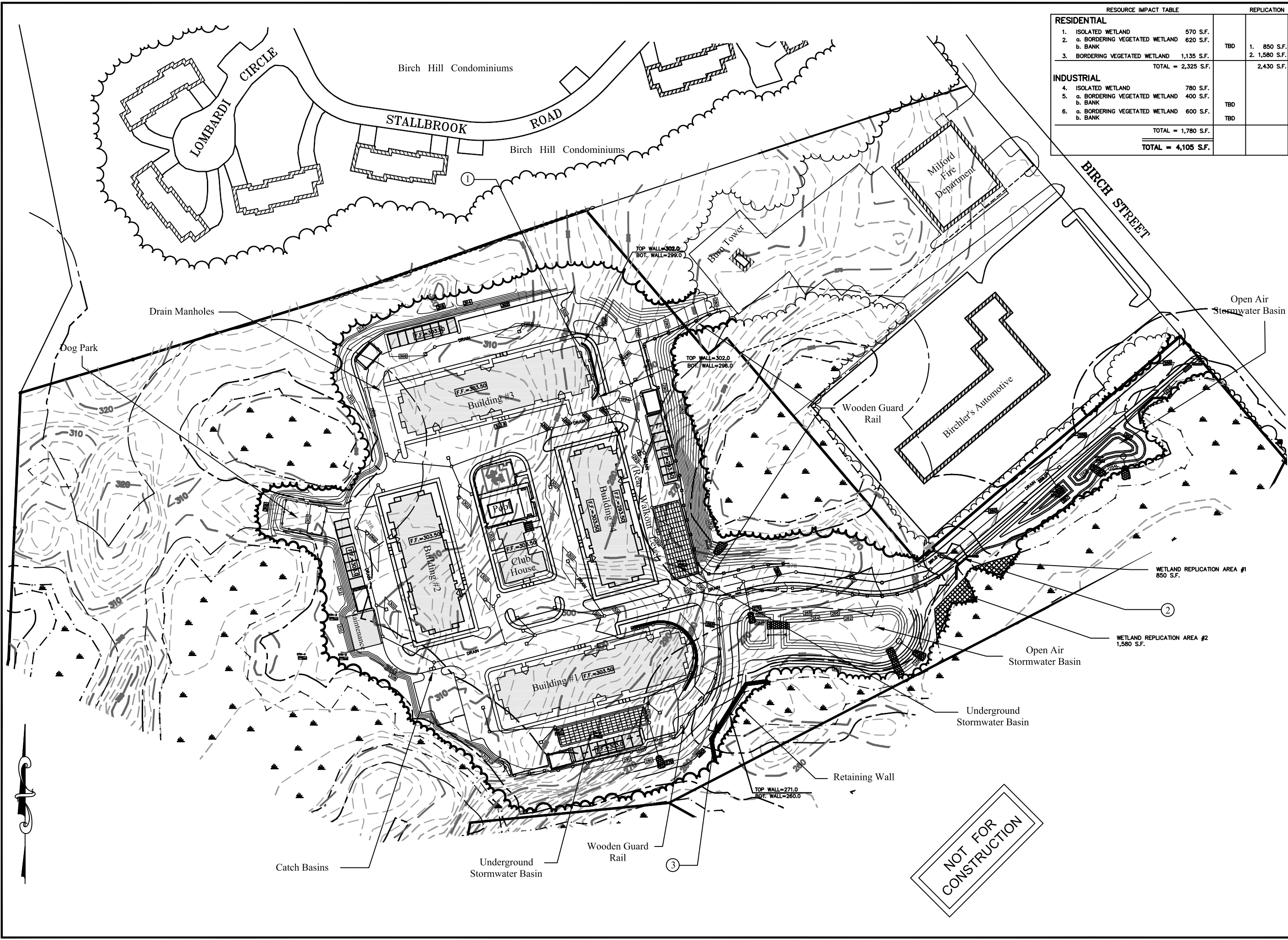


DATE: March 29, 2018

REVISIONS			
#	DATE	DESCRIPTION	INIT
1	6/20/18	PER CEJ & TOWN REVIEW MEA	
JOB NO: 0510		SHEET: 2 of 14	







RESOURCE IMPACT TABLE			REPLICATION	
<b>RESIDENTIAL</b>				
1.	ISOLATED WETLAND	570 S.F.	TBD	1. 850 S.F. 2. 1,580 S.F.
2.	a. BORDERING VEGETATED WETLAND	620 S.F.		
	b. BANK			
3.	BORDERING VEGETATED WETLAND	1,135 S.F.		
		TOTAL = 2,325 S.F.		2,430 S.F.
<b>INDUSTRIAL</b>				
4.	ISOLATED WETLAND	780 S.F.	TBD	
5.	a. BORDERING VEGETATED WETLAND	400 S.F.		
	b. BANK			
6.	a. BORDERING VEGETATED WETLAND	600 S.F.	TBD	
	b. BANK			
		TOTAL = 1,780 S.F.		
		TOTAL = 4,105 S.F.		

**LEGEND**

- 256--- EXISTING CONTOUR
- 250--- PROPOSED CONTOUR
- x 177.5 EXIST. SPOT GRADE
- x 177.5 PROP. SPOT GRADE
- PROP. SURFACE WATER FLOW
- ⊙ DRAINAGE MANHOLE
- DRAIN LINE
- UTILITY POLE
- GW GUY WIRE
- OHW --- OVERHEAD WIRES
- EROSION CONTROL
- ETC --- ELECTRIC, TELEPHONE & CABLE LINE
- STONE WALL
- EQP EDGE OF PAVEMENT
- FND. FOUND
- N/F NOW OR FORMERLY
- DH DRILLHOLE
- I.P. IRON PIPE/IRON PIN
- A.P. ASSESSORS PARCEL
- BK. PG. DEED BOOK/PAGE
- B BOLLARD
- BUILDING
- EXISTING TREE LINE
- EDGE OF WETLAND

PREPARED FOR:  
**88 CORP.**  
31 Whitewood Road  
Milford, MA 01757

TITLE:  
Preliminary  
**GRADING, DRAINAGE & EROSION CONTROL PLAN**  
For  
"Birch Street Place"  
In  
Milford, Massachusetts

PREPARED BY:

**ALLEN ENGINEERING & ASSOCIATES, INC.**  
Civil Engineers • Surveyors  
Land Development Consultants  
One Charlesview Road  
Suite 2  
Hopedale, Ma 01747  
(508) 381-3212 • Phone  
www.allen-ea.com

PROFESSIONAL ENGINEER  
6/20/18

SCALE: 1"=80 FEET

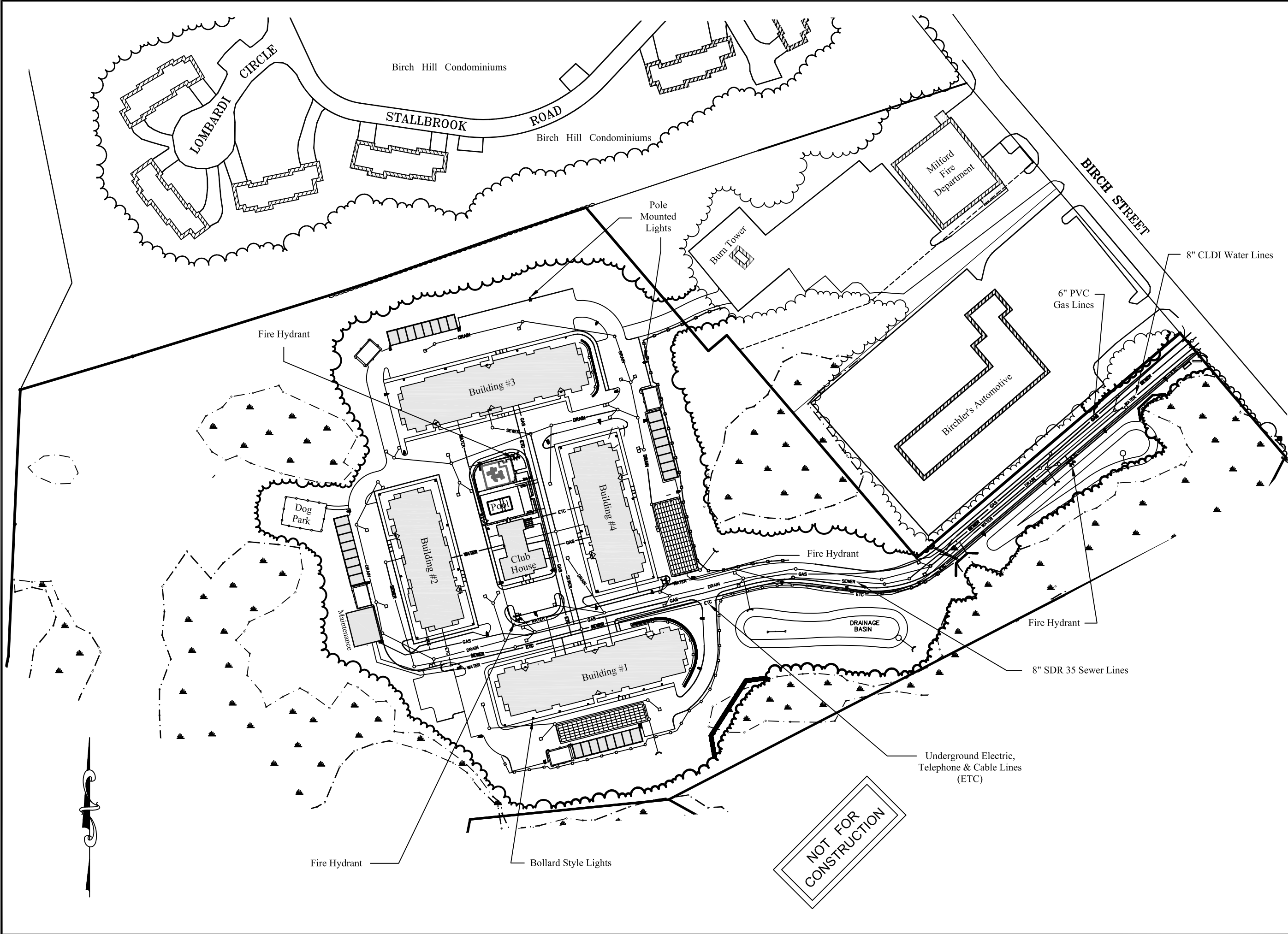
DATE: March 29, 2018

REVISIONS			
#	DATE	DESCRIPTION	INIT
1	6/20/18	PER CEI & TOWN REVIEW	MEA

JOB NO: 0510      SHEET: 4 of 14

NOT FOR CONSTRUCTION





LEGEND

- 256--- EXISTING CONTOUR
- 256--- PROPOSED CONTOUR
- x 177.5 EXIST. SPOT GRADE
- x 177.5 PROP. SPOT GRADE
- PROP. SURFACE WATER FLOW
- ⊕ DRAINAGE MANHOLE
- DRAIN LINE
- UTILITY POLE
- GW GUY WIRE
- OHW OVERHEAD WIRES
- EROSION CONTROL
- ETC ELECTRIC, TELEPHONE & CABLE LINE
- STONE WALL
- EQP EDGE OF PAVEMENT
- FND FOUND
- N/F NOW OR FORMERLY
- DH DRILLHOLE
- IP IRON PIPE/IRON PIN
- AP ASSESSORS PARCEL
- BK. PG. DEED BOOK/PAGE
- B BOLLARD
- BUILDING
- EXISTING TREE LINE
- EDGE OF WETLAND

PREPARED FOR:

88 CORP.  
31 Whitewood Road  
Milford, MA 01757

TITLE:

Preliminary  
UTILITY PLAN  
For  
"Birch Street Place"  
In  
Milford, Massachusetts

PREPARED BY:



**ALLEN ENGINEERING  
& ASSOCIATES, INC.**

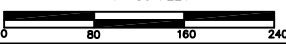
Civil Engineers • Surveyors  
Land Development Consultants  
One Charlesview Road  
Suite 2  
Hopdale, Ma 01747  
(508) 381-3212 • Phone  
www.allen-ea.com



PROFESSIONAL ENGINEER

SCALE:

1"=80 FEET



DATE:

March 29, 2018

REVISIONS

#	DATE	DESCRIPTION	INIT
1	6/20/18	PER CEI & TOWN REVIEW	MEA

JOB NO:

0510

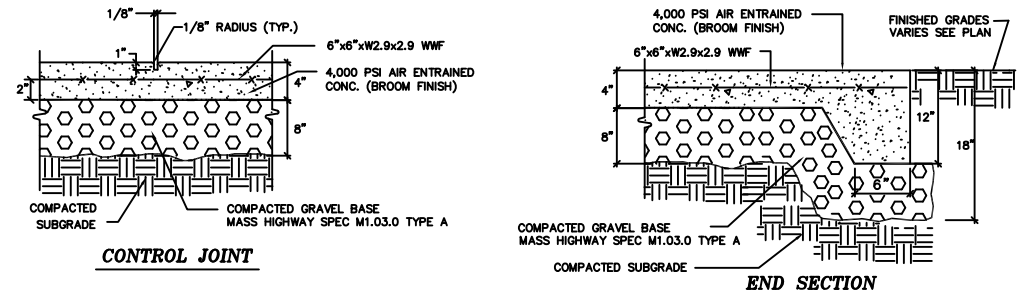
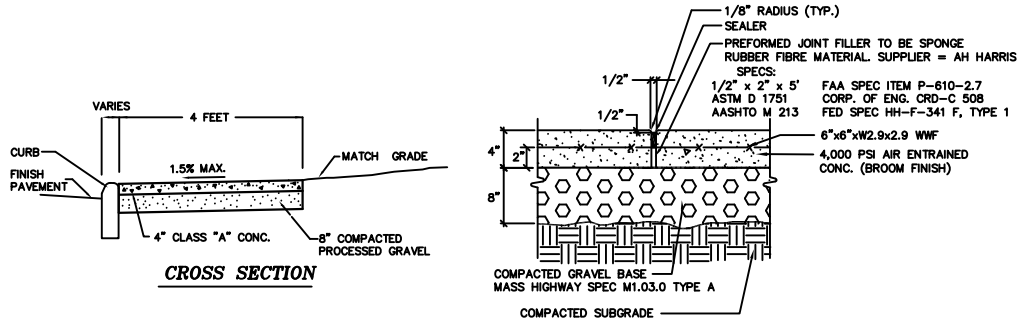
SHEET:

5 of 14



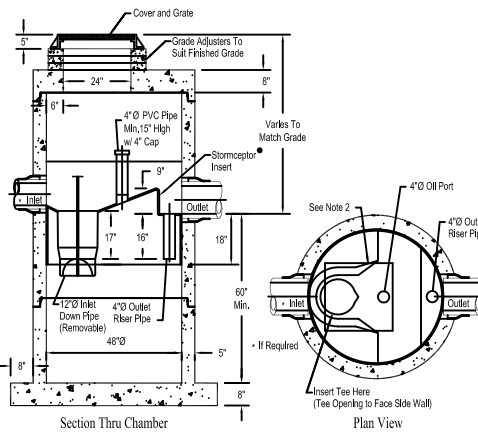
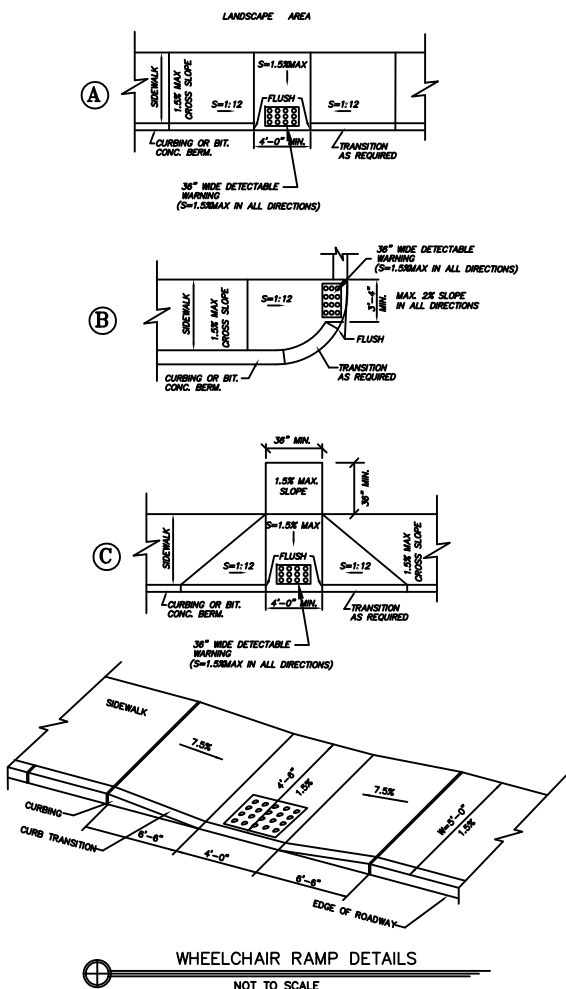
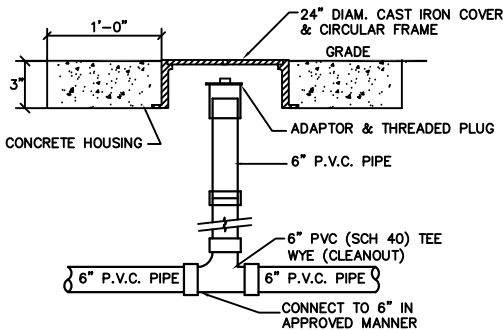
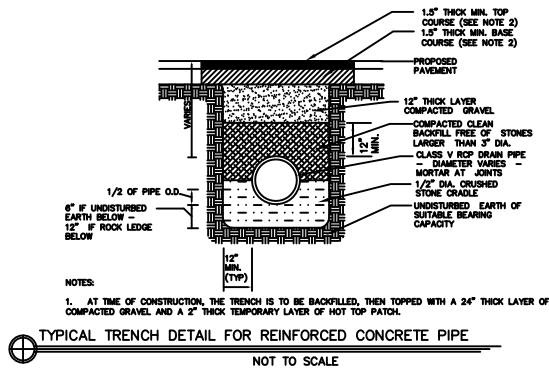






- NOTES:
- CROSS SLOPE TO BE 1.5% FLOWING TOWARDS THE PAVED ROADWAY.
  - PROVIDE BROOM FINISH IN DIRECTION PERPENDICULAR TO CURB.
  - PROVIDE EXPANSION JOINTS AT 16' ON CENTER. CONCRETE TO BE POURED AT 16 FOOT INTERVALS. THE CONCRETE POURS SHALL BE ALTERNATED LEAVING 16 FOOT SPACES BETWEEN POURS.
  - PROVIDE CONTROL JOINTS AT 4' ON CENTER.
  - ACCEPTABLE TOLERANCE FOR ELEVATION DIFFERENCE SHALL BE 1/4" BETWEEN 16 FOOT POURS.
  - SEE DESIGN PLANS FOR LOCATION AND GRADES.

CONCRETE WALKWAYS AND APRON  
NOT TO SCALE



- Notes:
- The Use Of Flexible Connection is Recommended at The Inlet and Outlet Where Applicable.
  - The Cover Should be Positioned Over The Inlet Drop Pipe and The Oil Port.
  - The Stormceptor System is protected by one or more of the following U.S. Patents: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
  - Contact a Concrete Pipe Division representative for further details not listed on this drawing.

STORMCEPTOR MANHOLE  
NOT TO SCALE

#### EROSION & SEDIMENT CONTROL NOTES

- ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE AS SET FORTH IN THE MOST CURRENT STATE SEDIMENT AND EROSION CONTROL MANUAL.
- THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF THE SOIL. IF THE DISTURBANCE IS WITHIN 100 FEET OF A STREAM OR POND, THE AREA SHALL BE STABILIZED WITHIN 7 DAYS OR PRIOR TO ANY STORM EVENT (THIS WOULD INCLUDE WETLANDS).
- SEDIMENT BARRIERS (SILT FENCE, STRAW BARRIERS, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1ST. THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.
- INSTALL SILTATION BARRIER AT TOE OF SLOPE TO FILTER SILT FROM RUNOFF. SEE SILTATION BARRIER DETAILS FOR PROPER INSTALLATION. SILTATION BARRIER WILL REMAIN IN PLACE PER NOTE #5.
- ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE STABILIZED BY TURF.
- NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN TWO TO ONE (2:1).
- IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST, USE TEMPORARY MULCH (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
- TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST TO PROTECT FROM SPRING RUNOFF PROBLEMS.
- DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT WILL BE RETURNED TO THE SITE AND REGRADED ONTO OPEN AREAS.
- REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND PREPARED FOR FINAL SEEDING AS FOLLOWS:
  - SIX INCHES OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE.
  - APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 800 LB PER ACRE OR 18.4 LB PER 1,000 SF USING 10-20-20 OR EQUIVALENT. APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 LB PER 1,000 SF).
  - FOLLOWING SEED BED PREPARATION, DITCHES AND BACK SLOPES WILL BE SEED TO A MIXTURE OF 4% CREEPING RED FESCUE, 5% REDTOP, AND 40% TALL FESCUE. THE LAWN AREAS WILL BE SEED TO A PREMIUM TURF MIXTURE OF 44% KENTUCKY BLUEGRASS, 44% CREEPING RED FESCUE, AND 12% PERENNIAL RYEGRASS. SEEDING RATE IS 1.0 LB PER 1,000 SF. LAWN QUALITY SOD MAY BE SUBSTITUTED FOR SEED.
  - STRAW MULCH AT THE RATE OF 70-90 LBS PER 1,000 SF. A HYDRO-APPLICATION OF WOOD OR PAPER FIBER SHALL BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS WILL BE USED ON STRAW MULCH FOR WIND CONTROL.
- ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE IS STABILIZED.
- WETLANDS WILL BE PROTECTED WITHIN 100 FEET OF THE WETLAND OR THE BOUNDARY OF WETLAND DISTURBANCE.
- ALL AREAS WITHIN 100 FEET OF A FLAGGED WETLAND OR STREAM SHALL HAVE AN EXPOSURE WINDOW OF NOT MORE THAN 7 DAYS.
- ALL AREAS WITHIN 100 FEET OF A FLAGGED WETLAND OR STREAM SHALL FOLLOW APPROPRIATE EROSION CONTROL MEASURES PRIOR TO EACH STORM IF NOT BEING ACTIVELY WORKED.

#### MULCH

LOCATION	MULCH	RATE (1000 SF)
PROTECT AREA	STRAW	100 POUNDS
WINDY AREA	SHREDDED OR CHOPPED CORNSTALKS STRAW (ANCHORED)*	185-275 POUNDS 100 POUNDS
MODERATE TO HIGH VELOCITY AREAS OR STEEP SLOPES GREATER THAN 3:1	JUTE MESH OR EXCEL-SOL MAT	AS REQUIRED
GREATER THAN 3:1	(REFER TO GEOTECHNICAL REPORT FOR FINAL DESIGN REQUIREMENT)	

\* A HYDRO-APPLICATION OF WOOD OR PAPER FIBER MAY BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS SHALL BE USED ON straw MULCH FOR WIND CONTROL.

#### MULCH ANCHORING

ANCHOR MULCH WITH PEG AND TWINE (1 SQ. YD. BLOCK); MULCH NETTING (AS PER MANUFACTURER); WOOD CELLULOSE FIBER (750 LBS/ACRE); CHEMICAL TACK (AS PER MANUFACTURER'S SPECIFICATIONS); USE OF A SERRATED STRAIGHT DISK. WETTING FOR SMALL AREAS AND ROAD DITCHES MAY BE PERMITTED.

#### EROSION & SEDIMENT CONTROL NOTES - WINTER CONSTRUCTION

- WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.
- WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
- EXPOSED AREA SHOULD BE LIMITED TO THAT WHICH CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT.
- CONTINUATION OF EARTHWORK OPERATION ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN ITEM 2 ABOVE.
- AN AREA SHALL BE CONSIDERED TO HAVE BEEN EITHER MULCHED WITH STRAW OR straw AT A RATE OF 100 L.B. PER 1,000 SQUARE FEET (WITH OR WITHOUT SEEDING) OR DORMANT SEEDING, MULCHED AND ADEQUATELY ANCHORED BY AN APPROVED ANCHORING TECHNIQUE.
  - MULCHING REQUIREMENTS:
    - BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 15TH ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING OR WOOD CELLULOSE FIBER.
    - MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPE EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%.
    - MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1ST. THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.
  - AFTER NOVEMBER 1ST THE CONTRACTOR SHALL APPLY DORMANT SEEDING OR MULCH AND ANCHORING ON ALL BARE EARTH AT THE END OF EACH WORKING DAY.
  - DURING THE WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT.
  - STOCKPILING OF MATERIALS (DIRT, WOOD, CONSTRUCTION MATERIALS, ETC.) MUST REMAIN COVERED AT ALL TIMES TO MINIMIZE ANY DUST PROBLEMS THAT MAY OCCUR WITH ADJACENT PROPERTIES AND TO PROVIDE MAXIMUM PROTECTION AGAINST EROSION RUNOFF.
  - EXISTING CATCH BASIN STRUCTURES SHALL BE PROTECTED UNTIL SUCH TIME AS THEY ARE REMOVED.

NOT FOR CONSTRUCTION

#### LEGEND

— 256 —	EXISTING CONTOUR
— 256 —	PROPOSED CONTOUR
x 177.5	EXIST. SPOT GRADE
x 177.5	PROP. SPOT GRADE
~	PROP. SURFACE WATER FLOW
⊕	DRAINAGE MANHOLE
— D —	DRAIN LINE
—	UTILITY POLE
— GW —	GUY WIRE
— OHW —	OVERHEAD WIRES
— ETC —	EROSION CONTROL
—	ELECTRIC, TELEPHONE & CABLE LINE
—	STONE WALL
EOP	EDGE OF PAVEMENT
FND.	FOUND
N/F	NOW OR FORMERLY
DH	DRILLHOLE
LP.	IRON PIPE/IRON PIN
A.P.	ASSESSORS PARCEL
BK. PG.	DEED BOOK/PAGE
⊙ B	BOLLARD
—	BUILDING
—	EXISTING TREE LINE
—	EDGE OF WETLAND

#### PREPARED FOR:

88 CORP.  
31 Whitewood Road  
Milford, MA 01757

#### TITLE:

Preliminary  
CONSTRUCTION DETAIL  
PLAN  
For  
"Birch Street Place"  
In  
Milford, Massachusetts

#### PREPARED BY:



**ALLEN ENGINEERING & ASSOCIATES, INC.**

Civil Engineers • Surveyors  
Land Development Consultants

One Charlesview Road  
Suite 2  
Hopedale, Ma 01747  
(508) 381-3212 • Phone  
www.allen-rea.com



PROFESSIONAL ENGINEER

SCALE: 1"=80 FEET

0 80 160 240

DATE: March 29, 2018

#### REVISIONS

#	DATE	DESCRIPTION	INIT
1	6/20/18	PER CEI & TOWN REVIEW	MEA

JOB NO:

0510

SHEET:

14 of 14