

ARLINGTON STREET  
1863 COUNTY LAYOUT - 30' WIDE

KENNEDY LANE

GENERAL NOTES

- SITE IS NOT WITHIN A SPECIAL FLOOD HAZARD AREA (SFHA) AS DEFINED BY FEMA, REF. F.I.R.M. COMMUNITY PANEL NO. 2507C053F REVISED JULY 7, 2014.
- THE SITE IS NOT WITHIN AN ESTIMATED HABITAT OF RARE OR ENDANGERED ENDANGERED SPECIES AS DEFINED BY THE NATURAL HERITAGE AND ENDANGERED SPECIES PROGRAM. (REF. MASS GIS 8/16/13).
- THE SITE IS NOT WITHIN A MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DEFINED 'ZONE II' OR INTERIM WELLHEAD PROTECTION AREA (IWPA) OF A PUBLIC WATER SUPPLY (REF. MASS GIS 8/16/13).
- WETLAND DELINEATION BY CARON ENVIRONMENTAL CONSULTING CONDUCTED IN AUGUST OF 2013 AND APPROVED UNDER AN ORDER RESOURCE AREA DELINEATION ISSUED BY THE ACTON CONSERVATION COMMISSION (DEP FILE NO. 085-150).
- U.S. NATURAL RESOURCE CONSERVATION SERVICE (NRCS) IDENTIFIES ON SITE SOILS TO BE MAP UNIT 307B (PAXTON 3-8% SLOPES), UNIT 307C (PAXTON 8-15% SLOPES) AND UNIT 622C PAXTON URBAN LAND COMPLEX (8-15% SLOPES). NRCS HYDROLOGIC SOIL GROUP C.
- ALL ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).

CONSTRUCTION NOTES:

- NO FILL CONTAINING HAZARDOUS MATERIALS OR WASTE SHALL BE USED ON SITE.
- LIMIT OF CLEARING SHALL BE CLEARLY STAKED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION AND SHALL BE OBSERVED AS THE LIMIT OF ALL WORK.
- NO EARTH OR CONSTRUCTION DEBRIS SHALL BE HAULED EXCEPT BETWEEN THE HOURS OF 9 AM AND 4PM ON WEEKDAYS.
- ALL STUMPS SHALL BE EITHER GROUND ON SITE WITH A STUMP GRINDER OR REMOVED FROM THE SITE FOR PROPER DISPOSAL.
- CONTRACTOR SHALL CONTACT DIGSAFE AT (888) 344-7233 AT LEAST 72 HOURS BEFORE EXCAVATING ON PUBLIC OR PRIVATE PROPERTY.
- THIS SITE LIES WITHIN TOWN OF ACTON GROUNDWATER PROTECTION DISTRICT ZONE 4.
- NO PORTION OF THE SITE LIES WITHIN THE 100 YEAR FLOODPLAIN. REF. F.I.R.M. 2507C053E EFFECTIVE JUNE 4, 2010.
- ALL ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29). BENCHMARK TRANSFERRED FROM PK NAIL IN UTILITY POLE #10 NORTH OF INTERSECTION OF ROBBINS STREET AND HERON VIEW DRIVE (ELEV. = 201.16).
- ALL PROPOSED WATER MAINS, SERVICES, AND HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE ACTON WATER SUPPLY DISTRICT.
- SITE SHALL BE GRADED TO ENSURE RUNOFF AWAY FROM STREETS, BUILDINGS AND ADJUTING PROPERTY AND TO PREVENT POOLING OF DRAINAGE.
- BORDERING VEGETATED WETLANDS WERE DELINEATED BY CHARLES E. CARON ENVIRONMENTAL CONSULTING IN AUGUST OF 2013.
- ALL EXISTING SURVEY MONUMENTS SHALL BE MARKED IN THE FIELD PRIOR TO CONSTRUCTION, AND SHALL BE REPAIRED OR REPLACED IF ANY DAMAGE OCCURS DURING CONSTRUCTION.
- PROPOSED HOUSES AND DRIVEWAYS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. ACTUAL HOUSE AND DRIVEWAY LOCATIONS MAY VARY IN CONSTRUCTION.
- THE LIMITS OF CLEARING SHOWN ON THIS PLAN ARE NOT LIMITED OR OTHERWISE REQUIRED BY THE APPROVAL OF THIS SUBDIVISION PLAN BY THE ACTON PLANNING BOARD.



EROSION & SEDIMENT CONTROL NOTES

- LIMITS OF CLEARING AND EROSION CONTROL BARRIER LOCATIONS SHALL BE MARKED IN THE FIELD BY A REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR PRIOR TO THE START OF CONSTRUCTION.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND GOOD ENGINEERING PRACTICES TO INSURE THEY PERFORM AS INTENDED.
- ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE THE VOLUME REACHES 1/4 TO 1/2 THE HEIGHT OF THE CONTROL DEVICE. SEDIMENT FROM SILT FENCE SHALL BE REMOVED PRIOR TO ACCUMULATED SILT REACHING THE LOAD BEARING CAPACITY OF THE SILT FENCE.
- ACCUMULATED SEDIMENT FROM SEDIMENT TRAPS OR BASINS SHALL BE REMOVED WHEN DESIGN CAPACITY HAS BEEN REDUCED BY NOT MORE THAN 50%.
- ON AND OFF-SITE MATERIALS STORAGE AREAS SHALL BE PROPERLY PROTECTED AND MANAGED IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN WHICH IS AN INTEGRAL PART OF THIS PLAN.
- ALL SOIL STOCKPILES SHALL BE SURROUNDED BY SUITABLE EROSION CONTROL BARRIERS AND/OR COVERED AT THE END OF EACH WORK DAY. STOCKPILE SIDESLOPES SHALL NOT EXCEED 2:1.
- ALL CONSTRUCTION MATERIALS AND METHODS, WASTE DISPOSAL, SANITARY WASTE DISPOSAL, AND AIR QUALITY MEASURES INCLUDING DUST CONTROL SHALL COMPLY WITH ALL APPLICABLE FEDERAL STATE AND LOCAL LAWS AND REGULATIONS.
- A STABILIZED CRUSHED STONE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT THE SOLE CONSTRUCTION ENTRANCE/EXIT FOLLOWING INSTALLATION OF PERIMETER EROSION CONTROLS. SEE EROSION CONTROL PLAN 2 FOR CONSTRUCTION DETAIL.
- PERMANENT SEEDING SHALL BE UNDERTAKEN IN THE SPRING FROM MARCH THROUGH MAY, AND IN LATE SUMMER AND EARLY FALL FROM AUGUST THROUGH OCTOBER 15. DURING PEAK SUMMER MONTHS AND IN THE FALL WHEN SEEDING IS FOUND TO BE IMPRACTICAL, APPROPRIATE TEMPORARY MULCH SHALL BE APPLIED. PERMANENT SEEDING MAY BE UNDERTAKEN DURING SUMMER IF ADEQUATE MULCHING AND WATERING IS PROVIDED.
- SLOPES GREATER THAN 3:1 SHALL BE FURTHER PROTECTED BY ADDITIONAL EROSION CONTROL MEASURES AND IMMEDIATE STABILIZATION VIA HYDROSEEDING OR MULCHING AS APPROPRIATE.
- INTERIM AND PERMANENT STABILIZATION MEASURES SHALL BE INSTITUTED ON ALL DISTURBED AREAS IMMEDIATELY AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ON THAT PORTION OF THE SITE.
- TEMPORARY SEDIMENT TRAPPING DEVICES SHALL NOT BE REMOVED UNTIL PERMANENT STABILIZATION IS ESTABLISHED IN ALL CONTRIBUTING DRAINAGE AREAS.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AFTER FINAL SITE STABILIZATION. DISTURBED SOIL AREAS RESULTING FROM THE REMOVAL OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED WITHIN 30 DAYS OF REMOVAL.

DRAINAGE SCHEDULE

STRUCTURE	PIPE
CB1 RIM=238.09 INV.=235.05 TO DMH3	CB1 TO DMH3 12" HDPE L=6' SL=1.67%
FE2 INV.=237.25	FE2 TO DMH3 12" HDPE L=65' SL=2.77%
DMH3 RIM=238.60 INV.=234.95 FROM CB1 INV.=235.45 FROM FE2 INV.=234.85 TO DMH4	DMH3 TO DMH4 12" HDPE L=12' SL=1.0% L=2' SL=2.00%
DMH4 (STC 900) RIM=238.20 INV.=234.75 FROM DMH3 INV.=234.65 TO FE5	DMH4 TO FE5 12" HDPE L=8' SL=2.00%
FE5 INV.=234.50	



LEGEND

- UP#XX ○ UTILITY POLE WITH NUMBER
- OH— OVERHEAD WIRES
- HYD. ⊕ FIRE HYDRANT
- WF#XX WETLAND RESOURCE AREA FLAG WITH NUMBER
- SF— PROPOSED SILT FENCE EROSION CONTROL BARRIER
- CF— PROPOSED 4-FT HIGH ORANGE HDPE CONSTRUCTION FENCE
- FF— PROPOSED FIBER ROLL EROSION CONTROL BARRIER
- GB— PROPOSED STAKED STRAW BALE EROSION CONTROL BARRIER
- GR— PROPOSED PRESSURE TREATED WOOD GUARD RAIL

"HAYWARD FARM"  
DEFINITIVE SUBDIVISION PLAN

NOTICE OF INTENT PLAN  
SHEET 1 OF 2

SITE LOCATION:  
121 HAYWARD ROAD  
ACTON, MASSACHUSETTS 01720  
ASSESSORS MAP E-2 PARCELS 261-2, 261-3, 262, 272 & 273

PREPARED FOR:  
ACTON MANAGEMENT, INC.  
P.O. BOX 2350  
ACTON, MASSACHUSETTS 01720

DATE: AUGUST 29, 2014; REV. 12/12/14 SCALE: 1"=40'

ENGINEERING SURVEYING PLANNING

**FORESITE ENGINEERING**  
16 Gleasondale Road Suite 1-1  
Stow, Massachusetts 01775  
www.foresite1.com

**GENERAL**

THE PURPOSE OF THIS PLAN IS TO PROVIDE THE DEVELOPER OR CONTRACTOR WITH A MEANS FOR EROSION AND SEDIMENT CONTROL DURING AND AFTER CONSTRUCTION OF THE SUBDIVISION.

**GENERAL NOTES:**

- PRIOR TO THE START OF CONSTRUCTION THE LIMITS OF CLEARING AND TREES NOT INTENDED FOR REMOVAL SHALL BE CLEARLY MARKED IN THE FIELD WITH FLORESCENT FLAGGING BEARING THE LABEL "LIMIT OF CLEARING" OR "TREE TO BE SAVED", AS APPROPRIATE. ALTERATION OF AREAS BEYOND THE DEMARKED LIMITS OF CLEARING IS PROHIBITED.
- PRIOR TO THE BEGINNING OF CONSTRUCTION ALL EROSION CONTROL BARRIERS SHALL BE INSTALLED. THE LOCATIONS SHALL BE STAKED IN THE FIELD BY A REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR.
- NO WORK SHALL BE DONE WITHIN A RESOURCE AREA OR BUFFER ZONE WITHOUT FIRST OBTAINING AN ORDER OF CONDITIONS FROM THE ACTON CONSERVATION COMMISSION. THE EROSION CONTROL BARRIER MARKS THE LIMIT OF WORK.
- SUFFICIENT HAYBALES SHALL BE STACKED ON SITE AND KEPT FOR EMERGENCIES. PROPOSED HAYBALES SHALL BE REPLACED WHEN NECESSARY.
- A CRUSHED STONE MOUND SHALL BE PLACED THE FULL WIDTH OF THE ENTRANCE WAY, 50 FEET INTO THE SITE AND ONE FOOT DEEP. THIS MOUND SHALL BE MAINTAINED AND REPLACED IF NECESSARY (SEE DETAIL).
- EROSION CONTROL BARRIERS SHALL BE INSPECTED AND MAINTAINED REGULARLY.
- ALL CLEARED AREAS OF THE STREET NOT PLANTED WITH GROUND COVER SHALL BE LOAMED WITH NOT LESS THAN SIX INCHES OF COMPACTED, GOOD QUALITY LOAM AND SEEDED WITH TURF GRASS IN ACCORDANCE WITH GOOD PLANTING PRACTICE.

**SLOPE STABILIZATION**

- DENUDED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME, SUCH AS THE INACTIVE WINTER SEASON.
- NO LATER THAN OCTOBER 15 OF EACH CALENDAR YEAR, THE DEVELOPER SHALL STABILIZE ALL EXPOSED SOILS AND OTHER VULNERABLE OR SENSITIVE AREAS IN A MANNER ACCEPTABLE TO THE CONSERVATION COMMISSION AND THE PLANNING BOARD. NO ADDITIONAL DISRUPTION MAY OCCUR EXCEPT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION PLAN.
- TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS.
- THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.

**VELOCITY CHECK DAMS**

THE CONTRACTOR SHALL PROVIDE VELOCITY CHECK DAMS IN ALL UNPAVED STREET AREAS AT THE INTERVAL INDICATED BELOW:

GRADE OF STREET	INTERVALS BETWEEN CHECKDAMS
LESS THAN 4%	100 FEET
4%-10%	50 FEET

THE CONTRACTOR SHALL PROVIDE VELOCITY CHECK DAMS IN ALL UNVEGETATED OR UNPAVED CHANNELS AT INTERVALS INDICATED BELOW:

GRADE OF CHANNEL	INTERVALS BETWEEN CHECKDAMS
LESS THAN 3%	100 FEET
3%-6%	50 FEET

- CHECK DAMS SHALL BE OF STAKED HAYBALES.
- CHECK DAMS SHALL BE INSTALLED AT THE END OF EACH WORKING DAY OR BEFORE STOPPAGE DUE TO RAIN.
- CHECK DAMS SHALL EXTEND COMPLETELY ACROSS GUTTER FLOW LINES AT RIGHT ANGLES TO THE CENTERLINE.

**SEED MIXTURES**

MOWED AREAS (ALL FLATS AND SLOPES EQUAL TO OR LESS THAN 3:1)

MIXTURE	% BY WEIGHT	SEEDING DATES
RED FESCUE	75	APRIL 1 - JUNE 15
KENTUCKY BLUEGRASS	15	AUGUST 15 - OCTOBER 15
COLONIAL BENTGRASS	5	SPRING OR FALL
PERENNIAL RYEGRASS	5	SPRING OR FALL

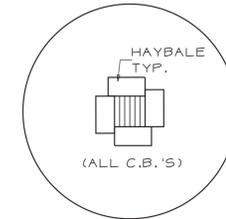
UNMOWED AREAS (FLAT SLOPES GREATER THAN 3:1)

MIXTURE	% BY WEIGHT	SEEDING DATES
RED FESCUE	75	APRIL 1 - JUNE 15
KENTUCKY BLUEGRASS	5	AUGUST 15 - OCTOBER 15
COLONIAL BENTGRASS	5	SPRING OR FALL
PERENNIAL RYEGRASS	15	SPRING OR FALL

**CONSTRUCTION SEQUENCE**

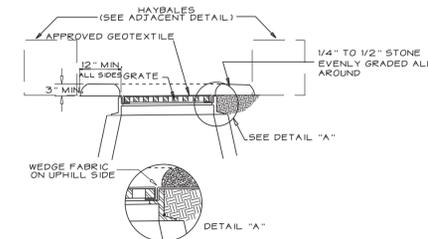
DURING THIS SEQUENCE ALL EROSION CONTROL BARRIERS SHALL BE INSPECTED AND MAINTAINED. ALL DISTURBED AREAS SHALL BE STABILIZED BY WOOD CHIPS, MULCH, SEEDING OR SODDING AS SOON AS AS POSSIBLE AFTER GRADING IS COMPLETE. ALL EROSION CONTROL BARRIERS SHALL BE REMOVED UPON COMPLETION OF ALL SLOPE STABILIZATION. SITE SHALL BE CONSTRUCTED IN ONE PHASE.

- DEMARK LIMITS OF CLEARING; INSTALL EROSION CONTROL BARRIERS.
- CLEAR AND STUMP SITE; STRIP ROADWAY RIGHT OF WAY; STOCK-PILE LOAM AND DELETERIOUS MATERIALS WITHIN ROAD R.O.W.
- INSTALL CRUSHED STONE CONSTRUCTION ENTRANCE.
- ROUGH GRADE ROADWAY.
- INSTALL VELOCITY CHECKDAMS.
- INSTALL STORM DRAINS BEGINNING DOWNGRADIENT.
- INSTALL UTILITIES WITHIN ROAD RIGHT OF WAY.
- COMPLETE ROADWAY GRADING AND COMPACTION.
- PLACE BINDER COURSE OF PAVEMENT, INSTALL ROAD BERMS AND CURB CUTS FOR DRIVEWAYS.
- INSTALL STRAW BALES OR FILTER FABRIC SILT SACKS AROUND CATCHBASIN INLETS AND DRAIN OUTLET PIPE ENDS.
- PLACE TOP COURSE OF PAVEMENT.
- LOAM AND SEED ALL DISTURBED AREAS.
- FOLLOWING CONSTRUCTION, AFTER VEGETATION HAS BEEN WELL ESTABLISHED, REMOVE AND DISPOSE OF ALL EROSION CONTROL BARRIERS AND TEMPORARY CONSTRUCTION FENCING.



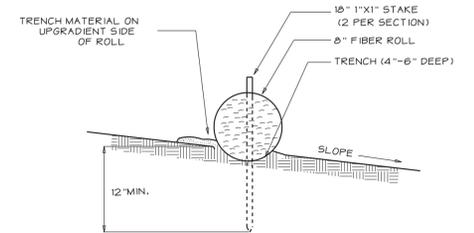
**CATCH BASIN INLET PROTECTION DETAIL**

NOTE: AN APPROVED FILTER FABRIC SILT SACK PLACED UNDER THE CATCHBASIN GRATES IS A SUITABLE ALTERNATIVE.



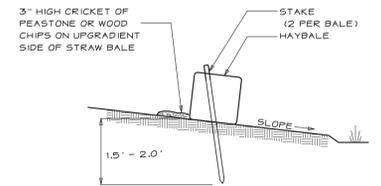
**FILTERED CATCHBASIN INLET**

NOTE: ALL CATCHBASINS SHALL HAVE HAYBALES PLACED AROUND THEM AS SHOWN ON THE "CATCHBASINS WITH HAYBALES" DETAIL UNTIL ALL CONSTRUCTION IS COMPLETE AND DISTURBED SLOPES ARE STABILIZED.



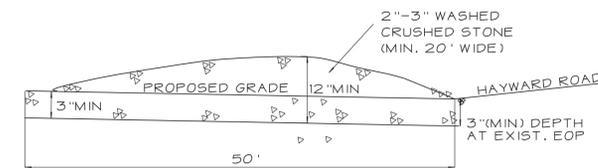
**STAKED FIBER ROLL DETAIL**

NOT TO SCALE



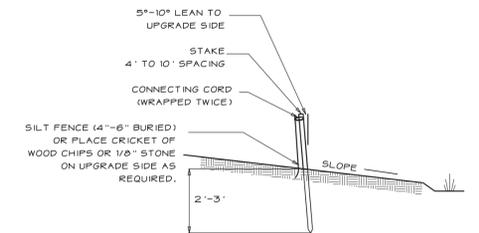
**STAKED STRAW BALE DETAIL**

NOT TO SCALE



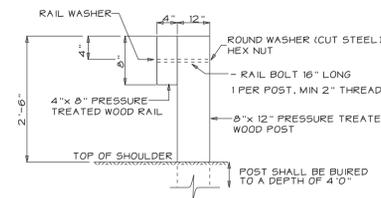
**STABILIZED CRUSHED STONE CONSTRUCTION ENTRANCE**

NOT TO SCALE



**SILT FENCE DETAIL**

NOT TO SCALE



**PRESSURE TREATED WOOD GUARD RAIL**

NOT TO SCALE

- NOTES:
- GUARD RAIL POSTS SHALL BE SPACED 10' ON CENTER.
  - GUARD RAIL LOCATION SPECIFIED ON SHEET 1



**"HAYWARD FARM"**  
DEFINITIVE SUBDIVISION PLAN

**NOTICE OF INTENT PLAN**  
SHEET 2 OF 2

SITE LOCATION:  
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