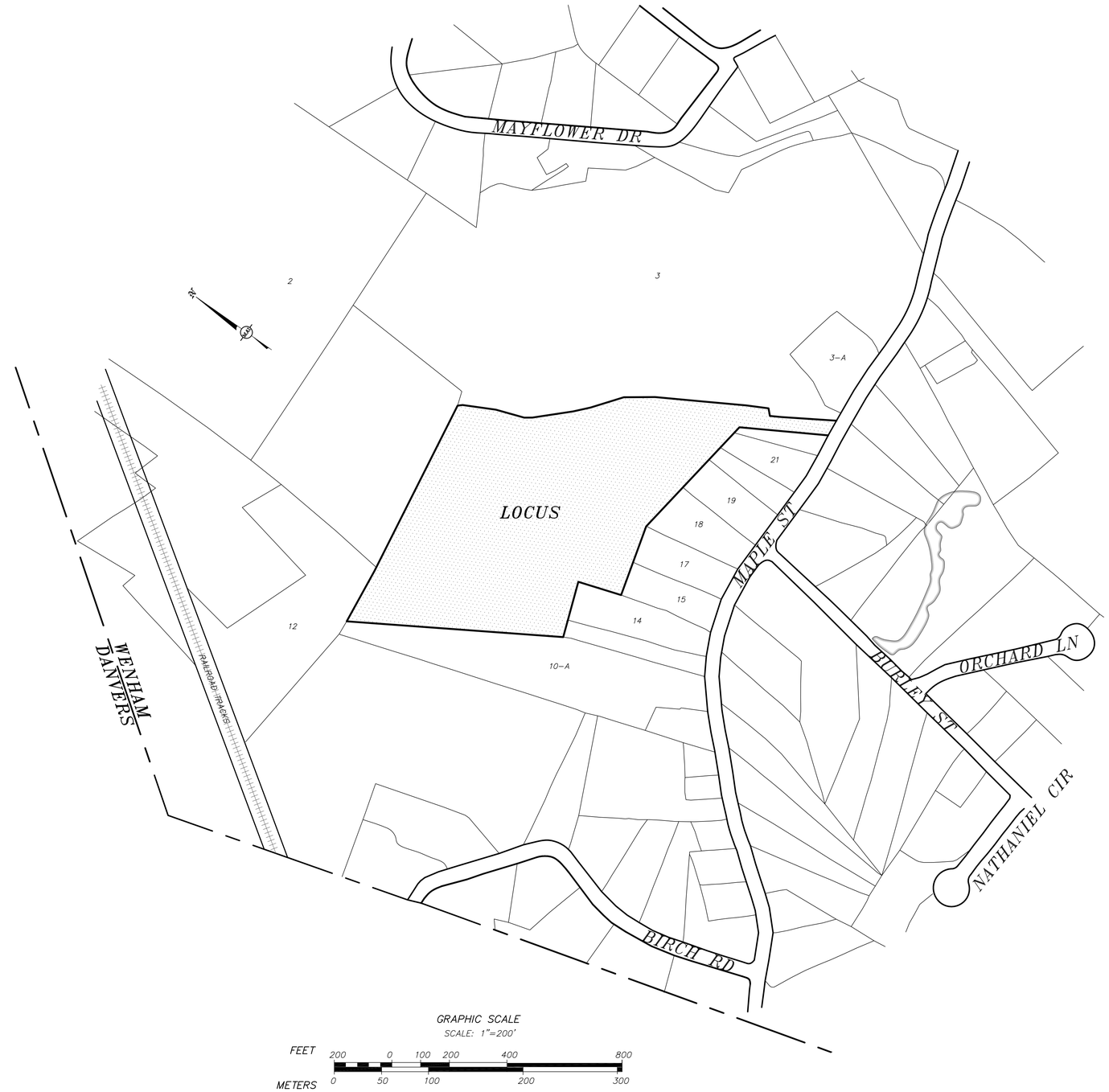


PERMIT SITE DEVELOPMENT PLANS

(TO ACCOMPANY A NOTICE OF INTENT APPLICATION)

FOR

62 MAPLE STREET

LOCATED IN

WENHAM, MASSACHUSETTS

DATE: NOVEMBER 6, 2014
REVISED: FEBRUARY 4, 2015
REVISED: FEBRUARY 18, 2015

APPLICANT:

MAPLE WOODS HOUSING, LLC
238 ELLIOTT STREET P.O. BOX 507
BEVERLY, MA 01915

OWNER:

ROBERT N. BURNETT, TRS
CEDAR REALITY TRUST
62 MAPLE STREET
WENHAM, MA 01984

PREPARED BY:

MERIDIAN ASSOCIATES

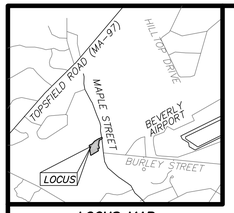
500 CUMMINGS CENTER, SUITE 5950
BEVERLY, MASSACHUSETTS 01915
TELEPHONE: (978) 299-0447

69 MILK STREET, SUITE 302
WESTBOROUGH, MASSACHUSETTS 01581
TELEPHONE: (508) 871-7030

WWW.MERIDIANASSOC.COM

DRAWING INDEX

SHEET 1	COVER SHEET
SHEET 2	RECORD CONDITIONS PLAN
SHEET 3	PERMIT GRADING & LAYOUT
SHEET 4	PERMIT UTILITY PLAN
SHEET 5	PERMIT SITE DETAILS
SHEET 6	PERMIT SITE DETAILS
SHEET 7	PERMIT SITE DETAILS



LOCUS MAP
(NOT TO SCALE)

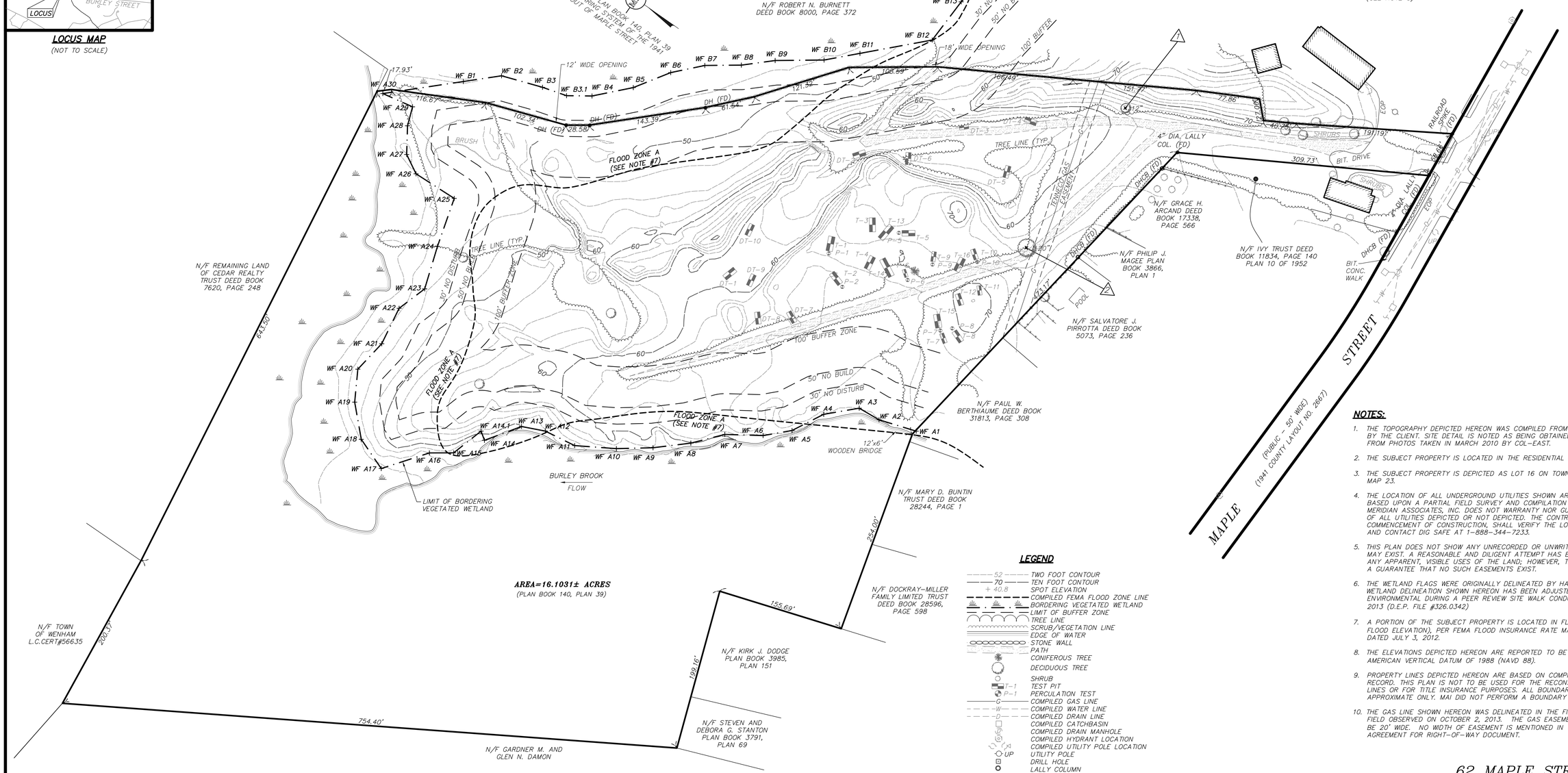
ALL UNDERGROUND UTILITY DATA REPRESENTS RECORD INFORMATION RECOVERED THROUGH RESEARCH WITHOUT SURFACE DEMARCATION NOR SUBSURFACE VERIFICATION.

MERIDIAN IS BASED UPON PLAN BOOK 140, PLAN 39 WHICH SHARES THE BEARING SYSTEM OF THE 1941 COUNTY LAYOUT OF MAPLE STREET

TEMPORARY BENCHMARK CHART

T.B.M.#	DESCRIPTION	ELEVATION
1	CUT SPIKE SET IN 12" DECIDUOUS TREE, 1.3' A.G.	64.17
2	CUT SPIKE SET IN 20" DECIDUOUS TREE, 1.0' A.G.	65.34

(SEE NOTE 8)



NOTES:

1. THE TOPOGRAPHY DEPICTED HEREON WAS COMPILED FROM A DIGITAL FILE PROVIDED BY THE CLIENT. SITE DETAIL IS NOTED AS BEING OBTAINED BY PHOTOGRAMMETRY FROM PHOTOS TAKEN IN MARCH 2010 BY COL-EAST.
2. THE SUBJECT PROPERTY IS LOCATED IN THE RESIDENTIAL ZONING DISTRICT.
3. THE SUBJECT PROPERTY IS DEPICTED AS LOT 16 ON TOWN OF WENHAM ASSESSOR'S MAP 23.
4. THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE BASED UPON A PARTIAL FIELD SURVEY AND COMPILATION OF PLANS OF RECORD. MERIDIAN ASSOCIATES, INC. DOES NOT WARRANTY NOR GUARANTEE THE LOCATION OF ALL UTILITIES DEPICTED OR NOT DEPICTED. THE CONTRACTOR, PRIOR TO COMMENCEMENT OF CONSTRUCTION, SHALL VERIFY THE LOCATION OF ALL UTILITIES AND CONTACT DIG SAFE AT 1-888-344-7233.
5. THIS PLAN DOES NOT SHOW ANY UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY EXIST. A REASONABLE AND DILIGENT ATTEMPT HAS BEEN MADE TO OBSERVE ANY APPARENT, VISIBLE USES OF THE LAND; HOWEVER, THIS DOES NOT CONSTITUTE A GUARANTEE THAT NO SUCH EASEMENTS EXIST.
6. THE WETLAND FLAGS WERE ORIGINALLY DELINEATED BY HANCOCK ASSOCIATES. THE WETLAND DELINEATION SHOWN HEREON HAS BEEN ADJUSTED BY RIMMER ENVIRONMENTAL DURING A PEER REVIEW SITE WALK CONDUCTED ON DECEMBER 30, 2013 (D.E.P. FILE #326.0342)
7. A PORTION OF THE SUBJECT PROPERTY IS LOCATED IN FLOOD ZONE A (NO BASE FLOOD ELEVATION), PER FEMA FLOOD INSURANCE RATE MAP NUMBER 25009C0406F DATED JULY 3, 2012.
8. THE ELEVATIONS DEPICTED HEREON ARE REPORTED TO BE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
9. PROPERTY LINES DEPICTED HEREON ARE BASED ON COMPILED DEEDS AND PLANS OF RECORD. THIS PLAN IS NOT TO BE USED FOR THE RECONSTRUCTION OF BOUNDARY LINES OR FOR TITLE INSURANCE PURPOSES. ALL BOUNDARY LINES DEPICTED ARE APPROXIMATE ONLY. MAI DID NOT PERFORM A BOUNDARY RETRACEMENT SURVEY.
10. THE GAS LINE SHOWN HEREON WAS DELINEATED IN THE FIELD BY TENNECO AND FIELD OBSERVED ON OCTOBER 2, 2013. THE GAS EASEMENT WAS MARKED OUT TO BE 20' WIDE. NO WIDTH OF EASEMENT IS MENTIONED IN THE RECORDED GAS AGREEMENT FOR RIGHT-OF-WAY DOCUMENT.

LEGEND

52	TWO FOOT CONTOUR
70	TEN FOOT CONTOUR
+ 40.8	SPOT ELEVATION
	COMPILED FEMA FLOOD ZONE LINE
	BORDERING VEGETATED WETLAND
	LIMIT OF BUFFER ZONE
	TREE LINE
	SCRUB/VEGETATION LINE
	EDGE OF WATER
	STONE WALL
	PATH
	CONIFEROUS TREE
	DECIDUOUS TREE
	SHRUB
T-1	TEST PIT
P-1	PERCULATION TEST
-G-	COMPILED GAS LINE
-W-	COMPILED WATER LINE
-D-	COMPILED DRAIN LINE
	COMPILED CATCHBASIN
	COMPILED DRAIN MANHOLE
	COMPILED HYDRANT LOCATION
	COMPILED UTILITY POLE LOCATION
UP	UTILITY POLE
	DRILL HOLE
	LALLY COLUMN
TYP.	TYPICAL
BIT.	BITUMINOUS
CONC.	CONCRETE
ELEV.	ELEVATION
A.G.	ABOVE GROUND
FD	FOUND
EOP	EDGE OF PAVEMENT
+WF	WETLAND FLAG
DH	DRILL HOLE
DHCB	DRILL HOLE IN CONCRETE BOUND
DIA	DIAMETER
COL.	COLUMN
UPL	UTILITY POLE WITH LIGHT

GRAPHIC SCALE
SCALE 1"=60'

FEET 60 0 30 60 120 240
METERS 0 10 20 40 80

RECORD OWNER:

CEDAR REALTY TRUST
62 MAPLE STREET
WENHAM, MASSACHUSETTS 01984
- DEED BOOK 7620, PAGE 248 *

* DENOTES DOCUMENTS RECORDED AT THE SOUTHERN ESSEX REGISTRY OF DEEDS.

REFERENCES:

DEED BOOK 7620, PAGE 248
DEED BOOK 2845, PAGE 3
(GAS RIGHT-OF-WAY)
PLAN BOOK 140, PLAN 39
PLAN BOOK 3793, PLAN 349
PLAN BOOK 72, PLAN 43
PLAN 715A OF 1918

REVISIONS

NO.	DATE	DESCRIPTION	BY	CHK'D
2	02/18/15	NO REVISIONS TO THIS SHEET	ACF	CEW
1	02/04/15	ADDITIONAL SOIL TEST PITS	ACF	CEW

DWG. No. 5652-REC

62 MAPLE STREET

RECORD CONDITIONS PLAN

(TO ACCOMPANY A NOTICE OF INTENT APPLICATION)
LOCATED IN
WENHAM, MASSACHUSETTS
(ESSEX COUNTY)

PREPARED FOR
MAPLE WOODS HOUSING, LLC

SCALE: 1"= 60' DATE: NOVEMBER 6, 2014

MERIDIAN ASSOCIATES
500 CUMMINGS CENTER, SUITE 5950
BEVERLY, MASSACHUSETTS 01915
TELEPHONE: (978) 299-0447
69 MILK STREET, SUITE 302
WESTBOROUGH, MASSACHUSETTS 01581
TELEPHONE: (508) 871-7030
WWW.MERIDIANASSOC.COM

SHEET No. 2 OF 7 PROJECT No. 5652

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PARKING TABLE

PRINCIPAL USE: SENIOR HOUSING FACILITY
SPACE REQUIREMENT: 1 SPACE PER 2 ROOMS

NUMBER OF ROOMS: 120
NUMBER OF SPACES REQUIRED: $^{120}/_{2}$ = 60 SPACES

SPACES PROVIDED: 66 TOTAL (INCLUDES 3 HANDICAP SPACES)

MERIDIAN IS BASED UPON PLAN BOOK 140, PLAN 39 WHICH SHARES THE BEARING SYSTEM OF THE 1941 COUNTY LAYOUT OF MAPLE STREET

N/F ROBERT N. BURNETT
DEED BOOK 8000, PAGE 372

30' NO DISTURB
50' NO BUILD
100' BUFFER
18' WIDE OPENING
12' WIDE OPENING

PROPOSED 6' HIGH CHAIN LINK FENCING

PROPOSED ACCESS AND GRADING EASEMENT AREA

TRANSITION POINT TO 4' HIGH CHAIN LINK FENCING

PROP LOW STONE WALL (SEE LANDSCAPE PLANS)

PROPOSED 4' HIGH SPLIT RAIL WITH CHAIN LINK FENCE

PROVIDE SILT SAC INLET PROTECTION DURING CONSTRUCTION ACTIVITIES

PROPOSED DRIVEWAY

(EMERGENCY OVERFLOW) PYD#10 R=61.0

PCB#1&2 R=62.0

PROPOSED 6' WIDE CONCRETE SIDEWALK (TYP)

4" DIA. LALLY COL. (FD)

PROPOSED 4' HIGH CHAIN LINK FENCING

GATE

PROP SIGN

FLOOD ZONE A

(EMERGENCY OVERFLOW) PYD#11 R=62.0

PROPOSED RETAINING WALL (DBO)

PROPOSED EROSION CONTROL SOCK (TYP)

FIRE ACCESS (GRASSPAVE2)

PROPOSED SUBSURFACE INFILTRATION FACILITY #1

PDMH#9 R=64.2

PDMH#7 R=64.2

PDCB#4&5 R=63.9

PYD#8 R=62.4

PSTC#3 R=62.3

PSTC#6 R=64.1

PROPOSED PRIMARY LEACH FIELD AREA (TYP OF 4)

PROVIDE OPENING 64.7 IN CURB

PROPOSED PERMEABLE PAVER WALKING PATH (SEE LANDSCAPE PLAN)

PROPOSED APARTMENT BUILDING
FFF=67.5

PROPOSED SUBSURFACE INFILTRATION FACILITY #2

20' WIDE FIRE ACCESS (GRASSPAVE2)

PROPOSED LOT AREA = 3.48± ACRES

100' BUFFER ZONE

PROPOSED 6' HIGH CHAIN LINK FENCING

PROPOSED RETAINING WALL (DBO)

PROPOSED 6' HIGH STOCKADE FENCE

PROPOSED 6"x6"x36" CONCRETE BOUNDARY MARKER (SET 6" ABOVE GRADE) (TYP)

PROPOSED PROPERTY LINE (TYP)

12'x6' WOODEN BRIDGE

FLOOD ZONE A

BURLEY BROOK FLOW

N/F GRACE H. ARCAND
DEED BOOK 17338, PAGE 566

N/F IVY TRUST
DEED BOOK 11834, PAGE 140
PLAN 10 OF 1952

N/F PHILIP J. MAGEE
PLAN BOOK 3866, PLAN 1

N/F SALVATORE J. PIRROTTA
DEED BOOK 5073, PAGE 236

N/F PAUL W. BERTHIAUME
DEED BOOK 31813, PAGE 308

N/F MARY D. BUNTIN TRUST
DEED BOOK 28244, PAGE 1

N/F DOCKRAY-MILLER FAMILY LIMITED TRUST
DEED BOOK 28596, PAGE 598

MAPLE STREET
(PUBLIC - 50' WIDE)
(1941 COUNTY LAYOUT NO. 2867)

AREA=16.1031± ACRES
(PLAN BOOK 140, PLAN 39)

GRAPHIC SCALE
SCALE: 1"=40'

FEET 40 0 20 40 80 160
METERS 0 10 20 40 60

SEE RECORD CONDITIONS PLAN FOR EXISTING NOTES & LEGEND

LEGEND

- PROPOSED TWO FOOT CONTOUR
- PROPOSED ONE FOOT CONTOUR
- 64x6 64.7 PROPOSED SPOT ELEVATION
- PROPOSED GRADE DIRECTION
- PCB PROPOSED CATCHBASIN
- PDCB PROPOSED DOUBLE CATCHBASIN
- PDMH PROPOSED 4'ø DRAIN MANHOLE
- STC PROPOSED STORMCEPTOR UNIT
- PROPOSED SLOPED GRANITE CURB
- PROPOSED VERTICAL GRANITE CURB
- PROPOSED STOCKADE FENCE
- PROPOSED CHAIN LINK FENCE
- R= RIM ELEVATION
- PROPOSED WALL
- PROPOSED EROSION CONTROL SOCK
- PROP PROPOSED
- PVGC PROPOSED VERTICAL GRANITE CURB
- PSGC PROPOSED SLOPED GRANITE CURB
- (TYP) TYPICAL
- (DBO) DESIGNED BY OTHERS
- PYD PROPOSED YARD DRAIN
- (BC) BOTTOM OF CURB
- (TC) TOP OF CURB
- PROPOSED LIGHT FIXTURES
- HYD PROPOSED HYDRANT
- (9) PROPOSED PARKING SPACE COUNT
- PROPOSED INFILTRATION FACILITY

PROPOSED GRADING NOTES:

1. PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
2. THE CONTRACTOR SHALL VERIFY EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
3. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM OF 1/8" PER FOOT UNLESS SPECIFIED. ANY DISCREPANCIES NOT ALLOWING THIS MINIMUM PITCH SHALL BE REPORTED TO THE ENGINEER PRIOR TO CONTINUING WORK.
4. CONTRACTOR TO PROVIDE AND MAINTAIN APPROPRIATE EROSION CONTROL UNTIL ALL SITE WORK IS COMPLETED AND THE SITE IS FULLY VEGETATED AND/OR STABILIZED.
5. PROPOSED LIGHTING SHOWN FOR SCHEMATIC PURPOSE ONLY. SEE PLANS PREPARED BY UBLA FOR COMPLETE LANDSCAPE DESIGN AND DETAIL.

REVISIONS

NO.	DATE	DESCRIPTION	BY	CHK'D
2	02/18/15	NO REVISIONS TO THIS SHEET	ACF	CEW
1	02/04/15	ADD INFIL SYSTEM #2/PEER REVIEW	ACF	CEW

DWG. No. 5652-SITE
(XREF: 5652-REC)

62 MAPLE STREET
PERMIT SITE GRADING PLAN
(TO ACCOMPANY A NOTICE OF INTENT APPLICATION)
LOCATED IN
WENHAM, MASSACHUSETTS
(ESSEX COUNTY)

PREPARED FOR
MAPLE WOODS HOUSING, LLC

SCALE: 1"= 40' DATE: NOVEMBER 6, 2014

MERIDIAN ASSOCIATES
500 CUMMINGS CENTER, SUITE 5950
BEVERLY, MASSACHUSETTS 01915
TELEPHONE: (978) 299-0447
69 MILK STREET, SUITE 302
WESTBOROUGH, MASSACHUSETTS 01581
TELEPHONE: (508) 871-7030
WWW.MERIDIANASSOC.COM

SHEET No. 3 OF 7 PROJECT No. 5652

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SEPTIC SYSTEM COMPONENT KEY

S1: GRAVITY SEWER PIPE (PHASE I)
S2: GRAVITY SEWER PIPE (PHASE II)
S3: 20,000 GALLON SEPTIC TANK
S4: GRAVITY SEWER PIPE
S5: 10,000 GALLON DUPLEX PUMP CHAMBER
S6: FORCEMAIN SEWER PIPE
S7: 6,600 GPD WATERLOO BIOFILTER SECONDARY TREATMENT UNIT
S8: FORCEMAIN SEWER PIPE (FOR RECIRCULATION)
S9: FORCEMAIN SEWER PIPE (FOR DOSING LEACH FIELD ZONES)
S10: DISTRIBUTING VALVE
S11–S14: PRIMARY PRESSURE DISTRIBUTION LEACH FIELD ZONES
S15: VENT WITH CHARCOAL FILTER (IN FAUX GRANITE POST)
S16–S19: RESERVE LEACH FIELD ZONES (NOT TO BE CONSTRUCTED)

DRAINAGE REACH CHART

Reach #		Length	Slope	Size	Type
R1		18'	2.2%	12"	HDPE
R2		5'	8.0%	12"	HDPE
R3		5'	10.0%	12"	HDPE
R4		7'	7.0%	8"	HDPE
R5		10'	2.0%	12"	HDPE
R6		12'	1.7%	12"	HDPE
R7		5'	2.0%	15"	HDPE
R8		33'	2.0%	15"	HDPE
R9		2'	10.0%	15"	HDPE
R10		3'	FLAT	8"	PVC
R11		32'	FLAT	8"	PVC

MERIDIAN IS BASED UPON PLAN BOOK 140, PLAN 39 WHICH SHARES THE BEARING SYSTEM OF THE 1941 COUNTY LAYOUT OF MAPLE STREET

N/F ROBERT N. BURNETT
DEED BOOK 8000, PAGE 372

30' NO DISTURB
50' NO BUILD
100' BUFFER
18' WIDE OPENING
12' WIDE OPENING
PROPOSED 6' HIGH CHAIN LINK FENCING
PROPOSED ACCESS AND GRADING EASEMENT AREA
TRANSITION POINT TO 4' HIGH CHAIN LINK FENCING
PROP LOW STONE WALL (SEE LANDSCAPE PLANS)
PROPOSED 4' HIGH SPLIT RAIL WITH CHAIN LINK FENCE
PROVIDE SILT SAC INLET PROTECTION DURING CONSTRUCTION ACTIVITIES
PROPOSED DRIVEWAY
PROPOSED 6' WIDE CONCRETE SIDEWALK (TYP)
PROPOSED 4' HIGH CHAIN LINK FENCING
4" DIA. LALLY COL. (TYP)
PROP SIGN
GATE
FLOOD ZONE A
(EMERGENCY OVERFLOW) PYD#10 R=61.0 I=57.7
(EMERGENCY OVERFLOW) PYD#11 R=62.0 I=60.5
PCB#1&2 R=62.0 I=58.5
PSTC#3 R=62.3 a=58.1 b=57.8
PSTC#6 R=64.1 a=60.7 b=60.4
PDCB#4&5 R=63.9 I=60.9
PYD#8 R=62.4 I=58.2
PDMH#9 R=64.2 a=59.3 b=57.1
PDMH#7 R=64.2 a=60.3 b=60.0
PROPOSED SUBSURFACE INFILTRATION FACILITY #1
PROPOSED RETAINING WALL (DBO)
PROPOSED EROSION CONTROL SOCK (TYP)
PROVIDE OPENING IN CURB
PROPOSED PERMEABLE PAVER WALKING PATH (SEE LANDSCAPE PLAN)
PROPOSED APARTMENT BUILDING FFF=67.5
PROPOSED SUBSURFACE INFILTRATION FACILITY #2
PROPOSED LOT AREA = 3.48± ACRES
PROPOSED RETAINING WALL (DBO)
PROPOSED 6' HIGH CHAIN LINK FENCING
PROPOSED 6' HIGH STOCKADE FENCE
PROPOSED 6"x6"x36" CONCRETE BOUNDARY MARKER (SET 6" ABOVE GRADE) (TYP)
PROPOSED PROPERTY LINE (TYP)
12'x6' WOODEN BRIDGE
FIRE ACCESS (GRASSPAVE2)
20' WIDE FIRE ACCESS (GRASSPAVE2)
100' BUFFER ZONE
BURLEY BROOK FLOW
N/F GRACE H. ARCAND DEED BOOK 17338, PAGE 566
N/F IVY TRUST DEED BOOK 11834, PAGE 140 PLAN 10 OF 1952
N/F PHILIP J. MAGEE PLAN BOOK 3866, PLAN 1
N/F SALVATORE J. PIRROTTA DEED BOOK 5073, PAGE 236
N/F PAUL W. BERTHIAUME DEED BOOK 31813, PAGE 308
N/F MARY D. BUNTIN TRUST DEED BOOK 28244, PAGE 1
N/F DOCKRAY–MILLER FAMILY LIMITED TRUST DEED BOOK 28596, PAGE 598
MAPLE STREET (PUBLIC – 50' WIDE) (1941 COUNTY LAYOUT NO. 2867)
SEE RECORD CONDITIONS PLAN FOR EXISTING NOTES & LEGEND

LEGEND

- PCB — PROPOSED CATCHBASIN
- PDCB — PROPOSED DOUBLE CATCHBASIN
- PDMH — PROPOSED 4'ø DRAIN MANHOLE
- STC — PROPOSED STORMCEPTOR UNIT
- PROPOSED SLOPED GRANITE CURB
- PROPOSED VERTICAL GRANITE CURB
- PROPOSED STOCKADE FENCE
- PROPOSED CHAIN LINK FENCE
- R= — RIM ELEVATION
- a=/b=/I= — INVERT ELEVATIONS
- PD — PROPOSED DRAIN LINE
- PRD — PROPOSED ROOF DRAIN
- PS — PROPOSED SEWER LINE
- PTEC — PROPOSED TELEPHONE/ELECTRIC/CABLE
- PW — PROPOSED WATER LINE
- PFE — PROPOSED FLARED END
- PROPOSED EROSION CONTROL SOCK
- PEOP — PROPOSED EDGE OF PAVEMENT
- PVGC — PROPOSED VERTICAL GRANITE CURB
- PSGC — PROPOSED SLOPED GRANITE CURB
- (TYP) — TYPICAL
- PROPOSED LIGHT FIXTURES
- HYD — PROPOSED HYDRANT
- 9 — PROPOSED PARKING SPACE COUNT
- T — PROPOSED TRANSFORMER LOCATION
- PROPOSED INFILTRATION FACILITY

UTILITY NOTES:

1. COORDINATE UTILITY CONSTRUCTION WITH ALL TRADES AND CORRESPONDING DESIGN PLANS FOR CONNECTION TO EXISTING BUILDING AND SITE UTILITIES.
2. SUBSURFACE INFILTRATION FACILITIES WILL CONSIST OF CULTEC RECHARGER 330XL CHAMBERS (SYSTEM #1) AND CULTEC RECHARGER 280HD CHAMBERS (SYSTEM #2)SURROUNDED BY WASHED CRUSHED STONE EQUIPPED WITH AN EMERGENCY OVERFLOW OUTLET.
3. ROOF DRAIN OUTLETS TO BE COORDINATED WITH ARCHITECTURAL PLANS. SEE ARCHITECTURAL PLANS FOR SPECIFIC DOWNSPOUT LOCATIONS.
4. PROPOSED ELECTRIC AND UTILITY CONNECTIONS DEPICTED HEREON HAVE BEEN PROVIDED FOR SCHEMATIC PURPOSES ONLY. ACTUAL UTILITY CONFIGURATIONS SHALL BE DETERMINED BY THE RESPECTIVE UTILITY PROVIDERS, MEP SPECIFICATIONS, AND PROPOSED CONNECTION LOCATIONS PROVIDED BY THE ARCHITECT.
5. PROPOSED LIGHTING SHOWN FOR SCHEMATIC PURPOSE ONLY. SEE PLANS PREPARED BY UBLA FOR LIGHTING DETAIL.
6. COMPONENTS OF PROPOSED SEPTIC SYSTEM SHOWN FOR SCHEMATIC PURPOSE ONLY. REFER TO PLANS PREPARED BY C.G. JOHNSON ENGINEERING FOR SEPTIC SYSTEM DESIGN SPECIFICATIONS AND DETAILS.
7. THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE BASED UPON A PARTIAL FIELD SURVEY AND COMPILATION OF PLANS OF RECORD. MERIDIAN ASSOCIATES, INC. DOES NOT WARRANTY NOR GUARANTEE THE LOCATION OF ALL UTILITIES DEPICTED OR NOT DEPICTED. THE CONTRACTOR, PRIOR TO COMMENCEMENT OF CONSTRUCTION, SHALL VERIFY THE LOCATION OF ALL UTILITIES AND CONTACT DIG SAFE AT 1–888–344–7233.

GRAPHIC SCALE
SCALE: 1"=40'
FEET 40 0 20 40 80 160
METERS 0 10 20 40 60

REVISIONS

DWG. No. 5652–SITE
(XREF: 5652–REC)

NO.	DATE	DESCRIPTION	BY	CHK'D
2	02/18/15	ADJ PIPING ELEVS INTO INFIL #1	ACF	CEW
1	02/04/15	ADD INFIL SYSTEM #2/PEER REVIEW	ACF	CEW

62 MAPLE STREET
PERMIT SITE UTILITY PLAN
(TO ACCOMPANY A NOTICE OF INTENT APPLICATION)
LOCATED IN
WENHAM, MASSACHUSETTS
(ESSEX COUNTY)

PREPARED FOR
MAPLE WOODS HOUSING, LLC

SCALE: 1"= 40' DATE: NOVEMBER 6, 2014

MERIDIAN ASSOCIATES
500 CUMMINGS CENTER, SUITE 5950
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TELEPHONE: (978) 299-0447
69 MILK STREET, SUITE 302
WESTBOROUGH, MASSACHUSETTS 01581
TELEPHONE: (508) 871-7030
WWW.MERIDIANASSOC.COM

SHEET No. 4 OF 7 PROJECT No. 5652

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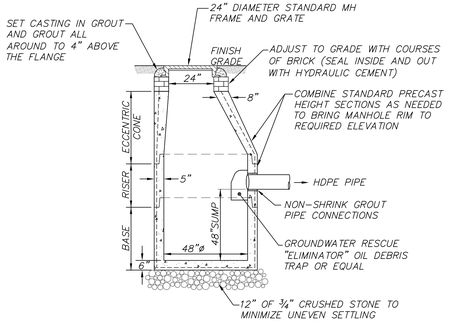
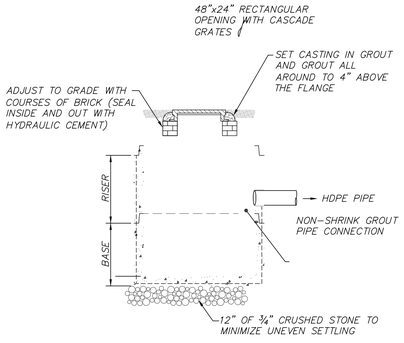


NOTES:

1. 48" DIAMETER CATCHBASIN MANHOLE AS MANUFACTURED BY SHEA CONCRETE PRODUCTS OR EQUAL.
2. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
3. REINFORCED STEEL CONFORMS TO LATEST ASTM A185 SPEC. 0.12 SQ IN/LINEAL FT AND 0.12 SQ IN (BOTH WAYS) BASE BOTTOM.
4. H-20 DESIGN LOADING PER AASHTO HS-20-44; ASTM C478 SPEC FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS.
5. PROVIDE EXTERIOR DAMPPROOFING AS REQUIRED.

CATCHBASIN WITH OIL DEBRIS TRAP

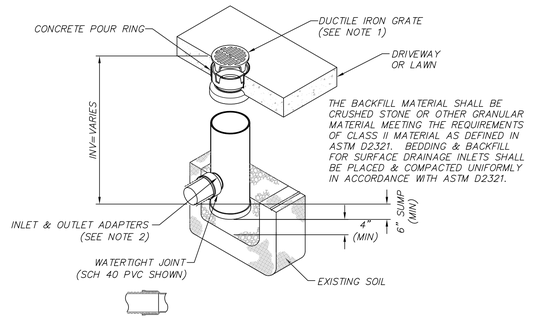
(NOT TO SCALE)



1. 60" DIAMETER CATCHBASIN MANHOLE AS MANUFACTURED BY SHEA CONCRETE PRODUCTS OR EQUAL.
2. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
3. REINFORCED STEEL CONFORMS TO LATEST ASTM A185 SPEC. 0.12 SQ IN/LINEAL FT AND 0.12 SQ IN (BOTH WAYS) BASE BOTTOM.
4. H-20 DESIGN LOADING PER AASHTO HS-20-44; ASTM C478 SPEC FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS.
5. BUTYL RESIN OR MORTAR SECTION JOINTS. BUTYL RESIN CONFORMS TO LATEST ASTM C990 SPEC.
6. PROVIDE EXTERIOR DAMPPROOFING AS REQUIRED.

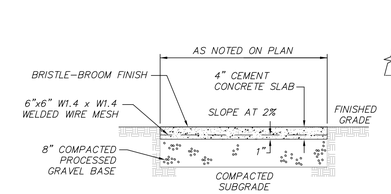
CATCHBASIN WITH OIL DEBRIS TRAP

(NOT TO SCALE)



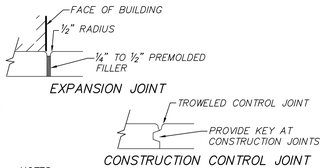
1. PROVIDE 24" NYLOPLAST DRAIN BASIN OR EQUAL.
2. GRATES SHALL COMPLY TO H-20 LOADING CAPACITY.
3. STANDARD DRAIN BASIN HAS FIXED ADAPTER LOCATIONS OF 0° & 180°. CUSTOM DRAIN BASIN ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM SCH 40 PVC.
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL)
5. **SEE SITE PLAN FOR RIM AND INVERTS**

(NOT TO SCALE)



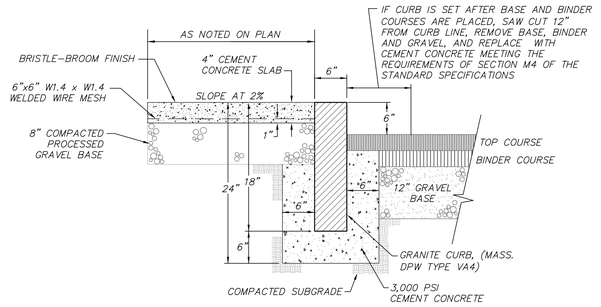
CONCRETE WALKWAY

(NOT TO SCALE)



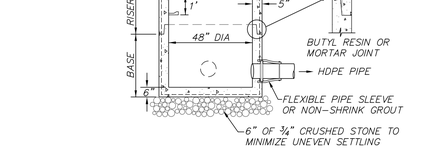
NOTES:

1. TYPICAL EXPANSION JOINT SPACING EVERY 20' O.C.
2. TYPICAL CONTROL JOINT SPACING EVERY 5' O.C.



CONCRETE WALK WITH VERTICAL GRANITE CURB

(NOT TO SCALE)



NOTES:

1. 48" DIAMETER DRAIN MANHOLE AS MANUFACTURED BY SHEA CONCRETE PRODUCTS OR EQUAL.
2. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
3. REINFORCED STEEL CONFORMS TO LATEST ASTM A185 SPEC. 0.12 SQ IN/LINEAL FT AND 0.12 SQ IN (BOTH WAYS) BASE BOTTOM.
4. H-20 DESIGN LOADING PER AASHTO HS-20-44; ASTM C478 SPEC FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS.
5. BUTYL RESIN SECTION JOINT CONFORMS TO LATEST ASTM C990 SPEC.
6. STEEL REINFORCED COPOLYMER POLYPROPYLENE PLASTIC STEP CONFORMS TO LATEST ASTM C478 SPEC.
7. PROVIDE EXTERIOR DAMPPROOFING AS REQUIRED.

DRAIN MANHOLE DETAIL

(NOT TO SCALE)

SECTION THRU CHAMBER

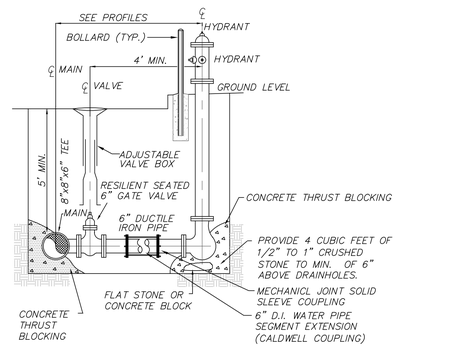
NOTES:

1. THE USE OF FLEXIBLE CONNECTION IS RECOMMENDED AT THE INLET AND OUTLET PIPE WHERE APPLICABLE.
2. THE COVER SHOULD BE POSITIONED OVER THE OUTLET DROP PIPE AND THE OIL PORT.
3. THE STORMCEPTOR SYSTEM IS PROTECTED BY TQN OR MORE OF THEE FOLLOWING U.S. PATENTS: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690

(STC 2400 – PSTC#7)

STORMCEPTOR VORTEX UNIT

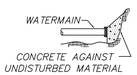
(NOT TO SCALE)



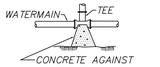
HYDRANT AND GATE VALVE DETAIL W/ MECHANICAL JOINT COUPLING

(NOT TO SCALE)

BEND-PLAN



PLUG ELEVATION



TEE-PLAN

NOTE:

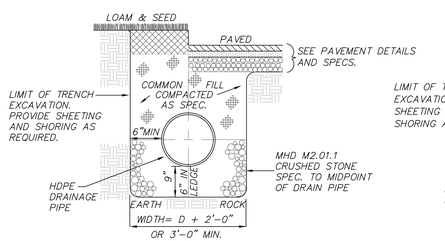
1) CONCRETE FOR THRUST BLOCKS SHALL HAVE A MINIMUM COMPREHENSIVE STRENGTH OF 2000 PSI AT 28 DAYS
2) THRUST BLOCK BEARING AREAS TO BE IN ACCORDANCE WITH TABLE BELOW, UNLESS DETERMINED OTHERWISE BY THE ENGINEER BECAUSE OF SOIL CONDITIONS

TABLE OF BEARING AREAS (S.F.)			
SIZE OF MAIN (IN.)	90° * BEND	TEES & * PLUGS	45° BEND
8±	6	4	3
12	12	9	6

* RESTRAINED JOINTS ARE ALSO REQUIRED

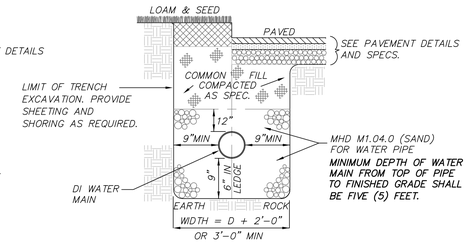
THRUST BLOCK DETAILS

(NOT TO SCALE)



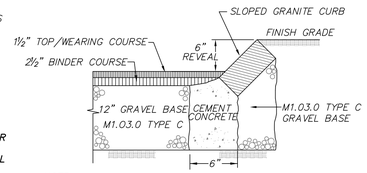
DRAIN TRENCH

(NOT TO SCALE)



WATER MAIN TRENCH

(NOT TO SCALE)



NOTE:
THE WEARING AND BINDER COURSES SHALL CONSIST OF CLASS I TYPE I-1 BITUMINOUS CONCRETE (HOT MIX ASPHALT)

SLOPED GRANITE CURB

(NOT TO SCALE)

REVISIONS

NO.	DATE	DESCRIPTION	BY	CHK'D

DWG. No. 5652-DETAIL

62 MAPLE STREET
PERMIT SITE DETAILS

(TO ACCOMPANY A NOTICE OF INTENT APPLICATION)
LOCATED IN
WENHAM, MASSACHUSETTS
(ESSEX COUNTY)

PREPARED FOR
MAPLE WOODS HOUSING, LLC
SCALE: AS NOTED DATE: NOVEMBER 6, 2014

MERIDIAN ASSOCIATES
500 CUMMINGS CENTER, SUITE 5950
BEVERLY, MASSACHUSETTS 01915
TELEPHONE: (978) 299-0447
69 MILK STREET, SUITE 302
WESTBOROUGH, MASSACHUSETTS 01581
TELEPHONE: (508) 871-7030
WWW.MERIDIANASSOC.COM

SHEET No. 5 OF 7 PROJECT No. 5652

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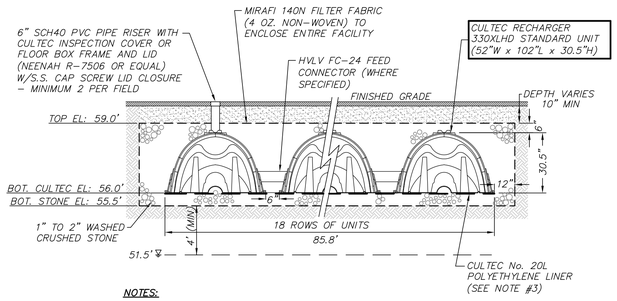
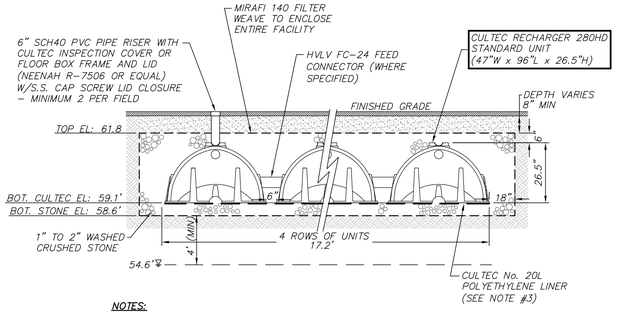


NOTES:

1. PROVIDE MINIMUM 4 FOOT SEPARATION BETWEEN BOTTOM OF THE 6 INCH DOUBLE WASHED STONE LAYER AND SEASONAL HIGH GROUNDWATER TABLE.
2. REMOVE ALL TOPSOIL AND SUBSOIL IN AREA OF PROPOSED INFILTRATION FACILITY AND REPLACE WITH SAND CONFORMING TO 310 CMR 15.255(3), MASSACHUSETTS STATE ENVIRONMENTAL CODE, TITLE V.
3. CULTEC No. 20L POLYETHYLENE LINER TO BE PLACED BENEATH CHAMBERS UTILIZING INTERNAL MANIFOLD ONLY (HVLV FC-24 FEED CONNECTOR).

SUBSURFACE INFILTRATION FACILITY #1
(NOT TO SCALE)



NOTES:

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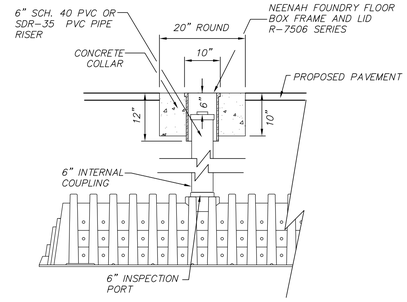
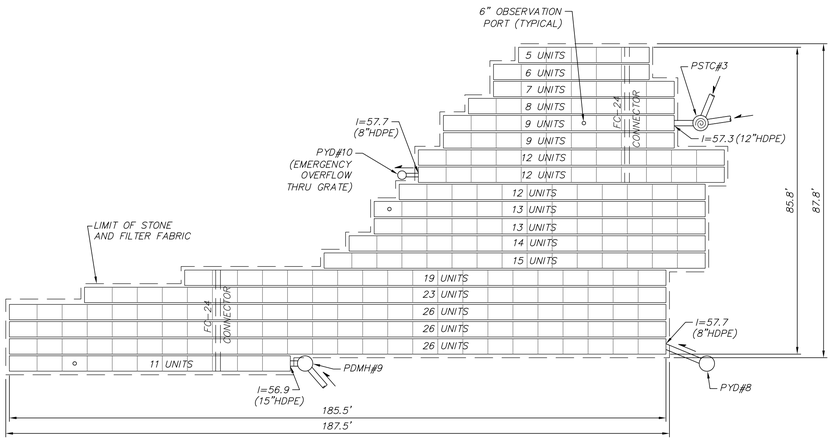
3. CULTEC No. 20L POLYETHYLENE LINER TO BE PLACED BENEATH CHAMBERS UTILIZING INTERNAL MANIFOLD ONLY (HVLV FC-24 FEED CONNECTOR).

SUBSURFACE INFILTRATION FACILITY #2
(NOT TO SCALE)

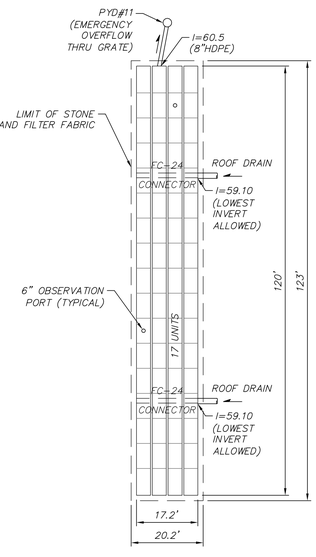


OBSERVATION PORT
(NOT TO SCALE)



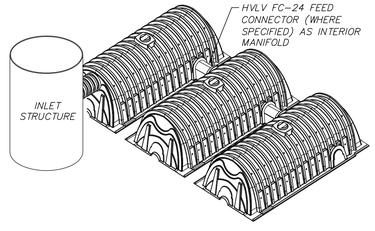
PROVIDE 266 CULTEC RECHARGER 330XLHD UNITS

(PLAN VIEW)
SUBSURFACE INFILTRATION FACILITY #1
(NOT TO SCALE)



PROVIDE 68 CULTEC RECHARGER 280HD UNITS

(PLAN VIEW)
SUBSURFACE INFILTRATION FACILITY #2
(NOT TO SCALE)



INLET WITH INTERIOR MANIFOLD
SUBSURFACE INFILTRATION FACILITY
(NOT TO SCALE)

UNOFFICIAL SOILS INFORMATION:

UNOFFICIAL TEST PITS DT-1 THRU DT-3 WERE PERFORMED IN JUNE OF 2014 BY CHUCK JOHNSON (CERTIFIED SOIL EVALUATOR) OF C.G. JOHNSON ENGINEERING, INC.

TEST PIT: DT-1 (EL. 58.9±)
0"-5" FILL
5"-88" LAYER C1: LOAMY MEDIUM SAND
88"-115" LAYER C2: LOAMY MEDIUM SAND
ESHGW @ 52" (EL. 54.6±)
NO WEEPING OR STANDING WATER OBSERVED

TEST PIT: DT-2 (EL. 52.2±)
0"-5" FILL
12"-24" LAYER C: LOAMY MEDIUM SAND
ESHGW @ 30" (EL. 49.7±)
STANDING WATER @ 49"

TEST PIT: DT-3 (EL. 52.2±)
0"-4" FILL
4"-60" LAYER C: LOAMY MEDIUM SAND
ESHGW @ 13" (EL. 51.2±)
STANDING WATER @ 30"

UNOFFICIAL SOILS INFORMATION:

UNOFFICIAL TEST PITS DT-4 THRU DT-10 WERE PERFORMED ON JANUARY 22, 2015 BY APRIL FERRARO (CERTIFIED SOIL EVALUATOR) OF MERIDIAN ASSOCIATES, INC.

TEST PIT: DT-4 (EL. 54.0±)
0"-15" HORIZON Ap: FINE LOAMY SAND
15"-30" LAYER C1: FINE LOAMY SAND
30"-41" LAYER C2: COURSE SAND/ GRAVELLY LOAMY SAND
NO REDOXIMORPHIC FEATURES OBSERVED
WEEPING/STANDING WATER @ 33" (EL. 51.2±)

TEST PIT: DT-5 (EL. 53.5±)
0"-18" FILL
18"-30" HORIZON Ab: FINE LOAMY SAND
30"-53" LAYER C2: GRAVELLY LOAMY SAND
ESHGW @ 24" (EL. 51.5±)
WEEPING @ 30"
STANDING @ 47"

TEST PIT: DT-6 (EL. 54.0±)
0"-12" FILL
12"-16" HORIZON Ab: FINE LOAMY SAND
16"-25" HORIZON Bw: FINE LOAMY SAND
25"-34" LAYER C1: LOAMY SAND
34"-44" LAYER C2: GRAVELLY COARSE SAND
NO REDOXIMORPHIC FEATURES OBSERVED
WEEPING/STANDING WATER @ 41" (EL. 50.6±)

TEST PIT: DT-7
0"-12" HORIZON Ap: FINE LOAMY SAND
12"-27" HORIZON Bw: FINE LOAMY SAND
27"-43" LAYER C1: FINE LOAMY SAND
43"-112" LAYER C2: GRAVELLY LOAMY SAND
NO WEEPING OR STANDING WATER OBSERVED
NO ESHGW OBSERVED

TEST PIT: DT-8
4"-0" ORGANICS
0"-52" LAYER C1: GRAVELLY FINE LOAMY SAND
52"-113" LAYER C2: GRAVELLY COARSE SAND
NO REDOXIMORPHIC FEATURES OBSERVED
NO WEEPING/STANDING WATER

TEST PIT: DT-9
0"-14" FILL
14"-47" LAYER C1: VERY FINE LOAMY SAND
47"-63" LAYER C2: MEDIUM-COARSE SAND
63"-74" LAYER C3: FINE LOAMY SAND
74"-110" LAYER C4: MEDIUM SAND
NO REDOXIMORPHIC FEATURES OBSERVED
NO WEEPING/STANDING WATER

TEST PIT: DT-10
0"-12" HORIZON Ap: FINE LOAMY SAND (FROZEN)
12"-60" LAYER C1: GRAVELLY COARSE SAND
60"-97" LAYER C2: MEDIUM SAND
NO REDOXIMORPHIC FEATURES OBSERVED
NO WEEPING/STANDING WATER

REVISIONS

NO.	DATE	DESCRIPTION	BY	CHK'D
2	02/18/15	REVISE ELEVS INFIL SYSTEM #1	ACF	CEW
1	02/04/15	INFIL SYSTEM #2/ADD'L SOIL TESTS	ACF	CEW

DWG. No. 5652-DETAIL

62 MAPLE STREET
PERMIT SITE DETAILS
(TO ACCOMPANY A NOTICE OF INTENT APPLICATION)
LOCATED IN
WENHAM, MASSACHUSETTS
(ESSEX COUNTY)

PREPARED FOR
MAPLE WOODS HOUSING, LLC

SCALE: AS NOTED DATE: NOVEMBER 6, 2014

MERIDIAN ASSOCIATES
500 CUMMINGS CENTER, SUITE 5950 BEVERLY, MASSACHUSETTS 01915 TELEPHONE: (978) 299-0447
69 MILK STREET, SUITE 302 WESTBOROUGH, MASSACHUSETTS 01581 TELEPHONE: (508) 871-7030
WWW.MERIDIANASSOC.COM

SHEET No. 6 OF 7 PROJECT No. 5652

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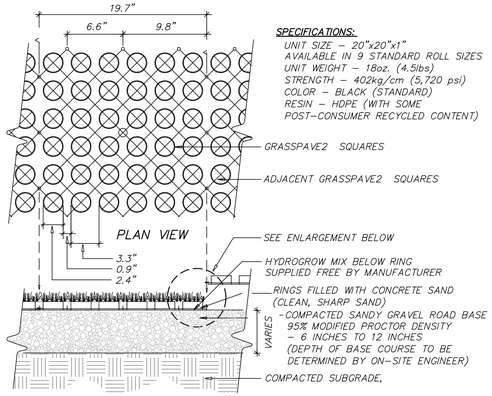


SPECIFICATIONS:

UNIT SIZE – 20"x20"x1"
AVAILABLE IN 9 STANDARD ROLL SIZES
UNIT WEIGHT – 18oz. (4.5lbs)
STRENGTH – 402kg/cm (5,720 psi)
COLOR – BLACK (STANDARD)
RESIN – HDPE (WITH SOME POST-CONSUMER RECYCLED CONTENT)

GRASSPAVE2 SQUARES

ADJACENT GRASSPAVE2 SQUARES

SEE ENLARGEMENT BELOW

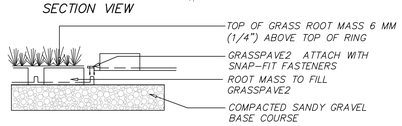
HYDROGROW MIX BELOW RING SUPPLIED FREE BY MANUFACTURER

RINGS FILLED WITH CONCRETE SAND (CLEAN, SHARP SAND)

COMPACTED SANDY GRAVEL ROAD BASE
95% MODIFIED PROCTOR DENSITY
– 6 INCHES TO 12 INCHES (DEPTH OF BASE COURSE TO BE DETERMINED BY ON-SITE ENGINEER)

COMPACTED SUBGRADE,

SECTION VIEW



TOP OF GRASS ROOT MASS 6 MM (1/4") ABOVE TOP OF RING

GRASSPAVE2 ATTACH WITH SNAP-FIT FASTENERS

ROOT MASS TO FILL GRASSPAVE2

COMPACTED SANDY GRAVEL BASE COURSE

SECTION ENLARGEMENT

NOTES:

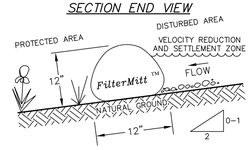
GRASS/PLANT TYPES SHALL BE SPECIFIED BY A LANDSCAPE ARCHITECT OR LANDSCAPE DESIGNER.

PROVIDE GRASSPAVE2 AS MANUFACTURED BY INVISIBLE STRUCTURES, INC. OF GOLDEN, COLORADO (800-233-1510).

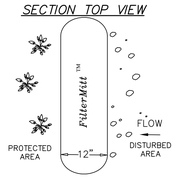
TYPICAL GRASSPAVE2 DETAIL

(NOT TO SCALE)

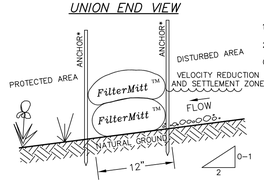
SECTION END VIEW



SECTION TOP VIEW

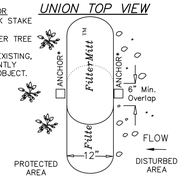


UNION END VIEW



*ANCHOR
1"x1"x36" OAK STAKE
OR
2" OR GREATER TREE
OR
OTHER PRE-EXISTING, EQUIVALENTLY ANCHORED OBJECT.

UNION TOP VIEW



FilterMitt™ COMPONENTS:

OUTSIDE CASING: 100% organic hessian.

FILLER INGREDIENT: ***FiberRoot Mulch™***

- A blend of coarse and fine compost and shredded wood.
- Particle sizes: 100% passing a 3" screen; 90–100% passing a 1" screen; 70–100% passing a 0.75" screen; 30–75% passing a 0.25" screen.
- Weight: Approx. 850 lbs./cu.yd. (Ave. 30 lbs./l.f.)

For more information visit:
www.groundscapesexpress.com
or contact us at:

Groundscapes Express, Inc.
P.O. Box 737
Wrentham, MA 02093
(508) 384-7140

FilterMitt™ INSTALLATION:

With the newest technology and equipment, sections can be constructed on site in lengths from 1' to 100'.

Sections can also be delivered to the site in lengths from 1' to 8'.

The flexibility of ***FilterMitt™*** allows it to conform to any contour or terrain while holding a slightly oval shape at 12" high by 12" wide.

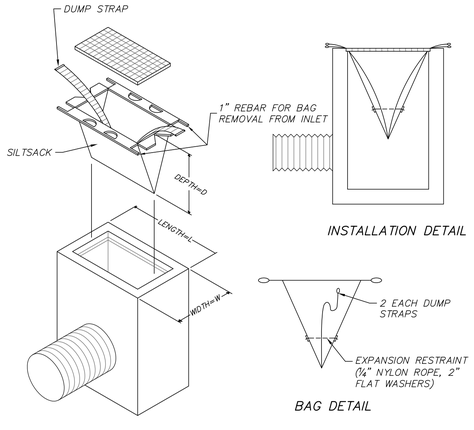
Where section ends meet, there shall be an overlap of 6" or greater. Both sides shall be anchored (oak stakes, trees, etc.) to stabilize the union.

FILTERMITT EROSION CONTROL

(NOT TO SCALE)

EROSION CONTROL AND SEDIMENTATION NOTES:

1. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES DURING ENTIRE CONSTRUCTION PERIOD.
2. ALL STOCKPILED AREAS SHALL BE LOCATED WITHIN THE LIMIT OF WORK LINE AT LEAST 100 FEET FROM LIMITS OF BORDERING WETLANDS AND STABILIZED TO PREVENT EROSION.
3. SOIL OR SNOW SHALL NOT BE STOCKPILED ON STORM DRAIN CATCHBASINS OR YARD DRAINS.
4. ALL DEBRIS GENERATED DURING SITE PREPARATION ACTIVITIES SHALL BE LEGALLY DISPOSED OF OFF-SITE.
5. PROVIDE CRIBBING AS NECESSARY TO PROTECT EXISTING UTILITY LINES DURING CONSTRUCTION.
6. ALL TOPSOIL ENCOUNTERED WITHIN WORK AREA SHALL BE STRIPPED TO ITS FULL DEPTH AND STOCKPILED FOR REUSE. EXCESS TOPSOIL SHALL BE DISPOSED OF ONSITE AS DIRECTED BY OWNER. TOPSOIL PILES SHALL REMAIN SEGREGATED FROM EXCAVATED SUBSURFACE SOIL MATERIALS.
7. ADDITIONAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
8. ALL POINTS OF CONSTRUCTION EGRESS OR INGRESS SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADS.
9. ANY SEDIMENT TRACKED ONTO PUBLIC RIGHT-OF-WAYS OR PARKING AREAS SHALL BE SWEPT AT THE END OF EACH WORKING DAY.
10. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A DAILY BASIS DURING CONSTRUCTION TO INSURE THAT CHANNELS, DITCHES AND PIPES ARE CLEAR OF DEBRIS AND THAT THE EROSION CONTROL BARRIERS ARE INTACT.
11. DUST SHALL BE CONTROLLED BY SPRINKLING WATER OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE OWNER OR HIS REPRESENTATIVE.
12. STRAW BALE CHECK DAMS SHALL BE PROVIDED AROUND ALL EXISTING DRAIN INLETS PRIOR TO CONSTRUCTION ACTIVITIES AND AROUND ALL PROPOSED DRAIN INLETS PRIOR TO PERMANENT PAVEMENT TO CONTROL SILTATION.
13. SILTATION DEVICES SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED DEVELOPMENT AS INDICATED IN THE PLAN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OPERATIONS.
14. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING NEARBY WETLANDS OR THEIR ASSOCIATED BUFFERS.
15. CLEAN AND MAINTAIN EROSION CONTROL BARRIER AS REQUIRED DURING CONSTRUCTION OPERATIONS TO ENSURE ITS CONTINUED FUNCTIONALITY.
16. CONTRACTOR SHALL CLEAN ALL EXISTING AND PROPOSED DRAINAGE STRUCTURES WITHIN THE LIMIT OF WORK AT THE COMPLETION OF CONSTRUCTION ACTIVITIES.
17. THE CONTRACTOR SHALL REMOVE ALL SILTATION DEVICES AFTER REVEGETATION OF DISTURBED AREAS AND AFTER WRITTEN APPROVAL OF THE PROJECT ENGINEER.
18. THE CONTRACTOR SHALL PERFORM TEMPORARY AND PERMANENT STABILIZATION MEASURES ON ALL DISTURBED AREAS AS SOON AS PRACTICAL BUT NOT MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED ON THAT PORTION OF THE SITE.
19. THE CONTRACTOR SHALL INSTALL TEMPORARY SWALES, BERMS, DETENTION BASINS OR OTHER MITIGATION MEASURES TO PREVENT DOWNSTREAM FLOODING DURING CONSTRUCTION ACTIVITIES. THE METHODS USED AND THE EXTENT OF MEASURES IMPLEMENTED WILL BE BASED ON ACTUAL FIELD CONDITIONS.



INSTALLATION DETAIL

BAG DETAIL

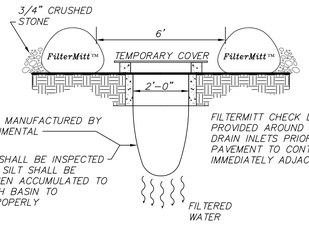
ISOMETRIC VIEW

NOTE:

SILT SACKS SHALL BE INSPECTED WEEKLY AND SILT SHALL BE REMOVED WHEN ACCUMULATED TO ALLOW CATCH BASIN TO FUNCTION PROPERLY

CATCH BASIN FILTER DETAIL (MAPLE STREET)

(NOT TO SCALE)



SILTSACK AS MANUFACTURED BY ACF ENVIRONMENTAL

SILT SACKS SHALL BE INSPECTED WEEKLY AND SILT SHALL BE REMOVED WHEN ACCUMULATED TO ALLOW CATCH BASIN TO FUNCTION PROPERLY

FILTERMITT CHECK DAMS SHALL BE PROVIDED AROUND NEWLY INSTALLED DRAIN INLETS PRIOR TO PERMANENT PAVEMENT TO CONTROL SILTATION ON OR IMMEDIATELY ADJACENT TO THE SITE.

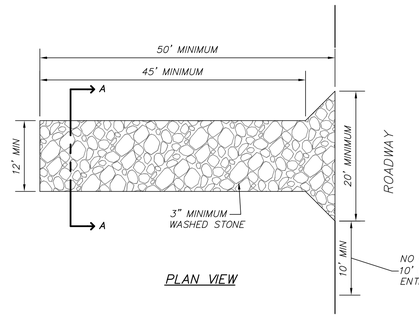
FILTERED WATER

NOTE:

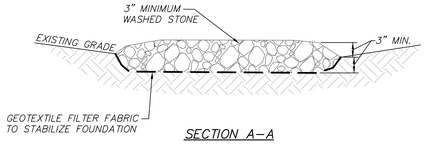
SEE CATCH BASIN FILTER DETAIL (MAPLE STREET) FOR ADDITIONAL SILTSACK INSTALLATION DETAIL

CATCH BASIN FILTER DETAIL (ONSITE)

(NOT TO SCALE)



PLAN VIEW



SECTION A-A

TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

(NOT TO SCALE)

REVISIONS

NO.	DATE	DESCRIPTION	BY	CHK'D
2	02/18/15	NO REVISIONS TO THIS SHEET	ACF	CEW
1	02/04/15	ADD SILT SACS & GRASSPAVE2	ACF	CEW

DWG. No. 5652-DETAIL

62 MAPLE STREET
PERMIT SITE DETAILS
(TO ACCOMPANY A NOTICE OF INTENT APPLICATION)
LOCATED IN
WENHAM, MASSACHUSETTS
(ESSEX COUNTY)

PREPARED FOR
MAPLE WOODS HOUSING, LLC

SCALE: AS NOTED DATE: NOVEMBER 6, 2014

MERIDIAN ASSOCIATES
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SHEET No. 7 OF 7 PROJECT No. 5652

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