CURVE TABLE					
CURVE	RADIUS	LENGTH	DELTA	CHORD DIR.	DISTANCE
C1	231.50'	68.94'	17°03'47"	N27°35'16"W	68.69'
C2	261.90'	84.24'	16°25'45"	N09°50'30"W	83.88'

LOT LINE TABLE		
LINE	BEARING	LENGTH
L1	N40°19'17"W	73.77'
L2	S38°29'52"W	30.71'
L3	S46°58'32"E	18.97'
L4	S36°07'10"E	35.56'
L5	S19°03'22"E	21.89'
L6	S00°37'37"E	8.73'
L7	N21°40'29"W	21.88'
L8	N15°55'40"E	14.53'
L9	N04°32'55"E	47.72'

OWNER'S SIGNATURE:

OWNER OF TAX MAP 8 LOTS 57 & 58-1 _____ DATE _____

8-54-1
TOWN OF AMHERST
P.O. BOX 960
AMHERST, NH 03031

8-52
ARBOLEDA REALTY, LLC
345 ROUTE 101
AMHERST, NH 03031

8-51-4
HOWLING HILL, LLC
336 ROUTE 101
AMHERST, NH 03031

8-56
TOWN OF AMHERST
P.O. BOX 960
AMHERST, NH 03031
VOL. 5649 PG. 1099 8/18/95

8-58

8-71
JOANNE FARLEY REVOCABLE TRUST
333 ROUTE 101
AMHERST, NH 03031

8-59
FRIENDS OF YOUNG JUDAEA, INC.
22 PRISCILLA CIR.
WELLESLEY, MA 02481

8-58
FRIENDS OF YOUNG JUDAEA
22 PRISCILLA CIR.
WELLESLEY, MA 02481
VOL. 1178 PG. 85 1/27/48

N.H. ROUTE 101

BABOOSIC LAKE ROAD

CAMP ROAD

BROOK

N55°27'51"E 359.22'
N55°27'52"E 698.91'
N55°27'59"E 74.27'
S17°10'34"E 100.00'
S14°52'48"E 89.81'
S26°01'01"E 17.95'
S18°43'06"E 130.78'
S18°23'26"E 97.72'
S16°21'52"E 109.12'
S18°13'36"E 85.51'
S16°39'30"E 68.35'
N48°18'52"E 134.64'
189.26' N79°52'20"E TIE COURSE
S80°22'20"W 434.85'
N51°30'08"W 170.00'
S77°15'52"W 13.98'
S78°11'48"W 117.14'
61.25'
125.85'
S80°11'48"W 151.80'
S81°37'15"W 119.65'
N40°01'15"E 101.84'
N76°00'20"E 87.08'
S21°19'03"E 426.00'
530.00' C.B. TO BE SET ON LINE
N65°53'28"W 684.00'
S43°54'53"W 483.00'

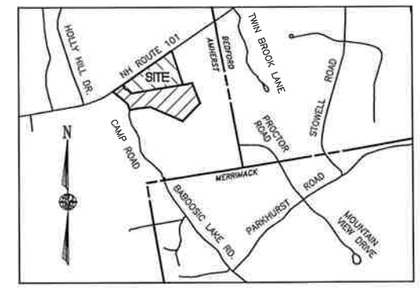
PROPOSED
8-57
12.564 ACRES
547,286 S.F.

RESULTING
8-58-1
13.544 ACRES
589,975 S.F.

PARCEL A
1.314 ACRES
57,251 S.F.

SEE SHEETS 2 & 3

SHEET INDEX:



LOCUS MAP:

NOTES:

1. THE PURPOSE OF THIS PLAN IS TO 1) SHOW AMENDMENTS OF THE PROPOSED IMPROVEMENTS AS CONDITIONALLY APPROVED BY THE AMHERST PLANNING BOARD ON MARCH 6, 2019, RESULTING IN REDUCTIONS TO THE AREAS OF PARKING, BUILDING, STORMWATER MANAGEMENT AND DISTURBANCE, AND 2) TO DEPICT A LOT LINE ADJUSTMENT, WHEREBY PARCEL 'A' IS TO BE CONVEYED FROM LOT 5-58-1 TO BECOME A CONTIGUOUS PART OF LOT 8-57.
2. THE CURRENT OWNER OF EXISTING TAX MAP 8 LOTS 57 & 58-1 IS: ARBOLEDA REALTY, LLC, 345 ROUTE 101, AMHERST, NH 03031. SEE H.C.R.D. VOL. 9078 PG. 2347 DATED 6/4/18, VOL. 9039 PG. 2993 DATED 12/18/17 AND VOL. 8340 PG. 2553 DATED 8/12/11.
3. THIS PLAN IS PREPARED FOR ARAGO LAND CONSULTANTS, LLC ON BEHALF OF: LABELLE WINERY, 345 ROUTE 101, AMHERST, NH.
4. ZONING FOR THE PROPERTY IS RESIDENTIAL/RURAL (RR). MINIMUM REQUIREMENTS INCLUDE 2.0 ACRES OF NET AREA WITH 200 FEET OF FRONTAGE. SETBACKS INCLUDE 50' FRONT AND 25' SIDE AND REAR. THE PROPERTY IS FURTHER SUBJECT TO OVERLAY DISTRICTS, INCLUDING BUT NOT LIMITED TO THE WETLAND & WATERSHED CONSERVATION DISTRICT AND THE AQUIFER CONSERVATION & WELLHEAD PROTECTION DISTRICT.
5. THIS PLAN IS THE RESULT OF FIELD SURVEYS PERFORMED BY THIS OFFICE IN DECEMBER 2017 THRU APRIL 2018.
6. WETLANDS WERE DELINEATED IN ACCORDANCE TO THE ARMY CORPS OF ENGINEERS WETLAND DELINEATION MANUAL, TECHNICAL REPORT Y-87-1, ALONG WITH THE NORTHEAST REGIONAL SUPPLEMENT BY SPENCER C. TATE, C.W.S. OF THIS OFFICE ON 1/16/17.
7. BOUNDARY SHOWN IS BASED ENTIRELY ON THE REFERENCE PLANS NOTED HEREON.
8. PLAN ORIENTATION IS BASED ON REFERENCE PLAN NO. 2 NOTED HEREON. VERTICAL DATUM IS NAVD 88 PER NHDOT DISK 013-0370.
9. PROPERTY IS SUBJECT TO THE SPECIAL FLOOD HAZARD ZONE PER FEMA F.I.R.M. MAP NUMBER 33011C0364D, EFFECTIVE DATE 9/25/09.
10. SEE PROPOSED IMPROVEMENTS NOTES ON SHEET SP-1.
11. ALL SITE PLAN APPLICATION MATERIALS ASSOCIATED WITH THE CONDITIONAL APPROVAL OF MARCH 6, 2019 ARE CONSIDERED PART OF THIS CURRENT APPLICATION UNLESS SPECIFICALLY AMENDED HEREON. NEW HAMPSHIRE ALTERATION OF TERRAIN AND SHORELAND PROTECTION PERMITS ARE PENDING.

APPROVED BY THE AMHERST PLANNING BOARD
ON: _____ CERTIFIED BY
CHAIRMAN: _____ AND
SECRETARY: _____.

LEGEND:

- PROPERTY LINE
- ABUTTING LOT LINE
- LOT LINE (TO BE ABANDONED)
- EDGE OF WATER
- STONE WALL
- 8-58 TAX MAP & LOT NUMBER
- EXISTING BUILDING
- EXIST. GRANITE BOUND FOUND OR (PRP)
- EXIST. DRILL HOLE FOUND/SET OR (PRP)
- EXIST. IRON PIPE FOUND
- GRANITE BOUND TO BE SET
- (PRP) PER REFERENCE PLAN

GRAPHIC SCALE
100' 50' 0 100' 200' 300'

REV.	DATE	DESCRIPTION	C/O	DR	CK
D	---	---	---	---	---
C	4/7/25	CONDITIONAL APPROVAL AMENDMENT	---	TRY	KCC
B	10/3/19	ADDRESS AOT COMMENTS	---	TRY	KCC
A	3/5/19	MISC. DRAFTING	KCC	JGL	KCC

CERTIFICATION:

"I CERTIFY THAT THE STREET LINE(S), TOPOGRAPHY AND PHYSICAL FEATURES ARE ACCURATE AND TRUE."

REFERENCE PLANS:

1. "LOT LINE ADJUSTMENT & CONSOLIDATION PLAN – LANDS OF: – ARBOLEDA REALTY, LLC & – FRIENDS OF YOUNG JUDEA, INC. – TAX MAP 8 LOTS 58, 58-1 & 58-2 – AMHERST, NEW HAMPSHIRE" SCALE: 1"=150' & 100', DATED 1/15/18, PREPARED BY THIS OFFICE AND RECORDED AT THE H.C.R.D. AS PLAN NO. 39760.
2. "BOUNDARY PLAN OF LAND – PREPARED FOR – ORSON H. BRAGDON – AMHERST/BEDFORD, N.H." SCALE: 1"=200', DATED 6/10/88, PREPARED BY THOMAS F. MORAN, INC. AND RECORDED AT THE H.C.R.D. AS PLAN NO. 22896.

LOT LINE ADJUSTMENT AND AMENDED SITE PLAN

LaBelle Winery

LANDS OF:
ARBOLEDA REALTY, LLC
TAX MAP 8 LOTS 57 & 58-1
NH ROUTE 101 & CAMP ROAD
AMHERST, NEW HAMPSHIRE

SCALE: 1" = 100' FEBRUARY 13, 2018

MERIDIAN
LAND SERVICES, INC.
ENGINEERING | SURVEYING | PERMITTING
SOIL & WETLAND MAPPING | SEPTIC DESIGN
31 OLD NASHUA ROAD, AMHERST, NH 03031 TEL. 603-673-1441
MERIDIANLANDSERVICES.COM FAX 603-673-1584

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811 DigSafe MA.ME.NH.RI.VT

N

8-58
FRIENDS OF YOUNG JUDAEA
22 PRISCILLA CIR.
WELLESLEY, MA 02481
VOL. 1178 PG. 85 1/27/48

8-56
TOWN OF AMHERST
P.O. BOX 950
AMHERST, NH 03031
VOL. 5649 PG. 1099 8/18/95

POTENTIAL FUTURE TOWN LAND PARKING ACCESS

CONSTRUCT CAPE COD BERM

INFILTRATION BASIN 1

LABELLE WINERY

PVMT

CONSTRUCT BUTT JOINT ALONG PROPOSED PAVEMENT INTERFACE (TYP.)

L.FIELD±

EXISTING STORMTECH CHAMBERS

GUEST HOUSE

GAR.

PARKING SPACE (9' x 18') (TYP.)

PROPOSED LEACHFIELD

LIMITS OF CLEARING (TYP.)

100'

CONTEMPLATED WELL

CONVEYANCE SWALE

TREATMENT SWALE

EXISTING DETENTION BASIN

OUTLET CONTROL

FORMER LOT LINE (TYP.)

PROPOSED LOT LINE (TYP.)

APPX. 100-YEAR FLOOD ELEVATION=234.4±

100' WETLAND BUFFER

50' PRIMARY BUFFER

150' WOODLAND PROTECTION ZONE

250' SHORELAND ZONE

BROOK

FORMER RAILROAD BED

SABOSIC

MERIDIAN SANDFORD WETLAND DELINEATION/DELINEATION

8-57

8-58-1

N.H. ROUTE 101

8-52
ARBOLEDA REALTY, LLC
345 RTE 101
AMHERST, NH 03031
VOL. 8971 PG. 213 5/25/17

8-58
FRIENDS OF YOUNG JUDAEA
22 PRISCILLA CIR.
WELLESLEY, MA 02481
VOL. 1178 PG. 85 1/27/48

PLAN NOTES:

1. THE PURPOSE OF THIS PLAN IS TO 1) SHOW AMENDMENTS OF THE PROPOSED IMPROVEMENTS AS CONDITIONALLY APPROVED BY THE AMHERST PLANNING BOARD ON MARCH 6, 2019, RESULTING IN REDUCTIONS TO THE AREAS OF PARKING, BUILDING, STORMWATER MANAGEMENT AND DISTURBANCE, AND 2) TO DEPICT A LOT LINE ADJUSTMENT, WHEREBY PARCEL 'A' IS TO BE CONVEYED FROM LOT 5-58-1 TO BECOME A CONTIGUOUS PART OF LOT 8-57.
2. OWNER AND APPLICANT: ARBOLEDA REALTY, LLC
345 ROUTE 101
AMHERST, NH 03031
3. A WAIVER WAS GRANTED BY THE PLANNING BOARD FOR THE ORIGINAL SITE PLAN APPROVAL WHICH ALLOWED FOR A REDUCTION IN THE REQUIRED NUMBER OF PARKING SPACES FROM 156 SPACES TO 128 SPACES.
4. PARKING REQUIREMENTS:

1,500 SF RETAIL @ 5 SP / 1,000 SF	= 7.5 SP
1,000 SF OFFICE @ 4 SP / 1,000 SF	= 4 SP
200 SEAT FUNCTION ROOM @ 0.5 SP / SEAT	= 100 SP
50 SEAT TASTING ROOM @ 0.5 SP / SEAT	= 25 SP
10 EMPLOYEES @ 0.3 SP / EMPLOYEE	= 3 SP
9,400 SF BOTTLING/STORAGE AREA @ 1 SP / 600 SF	= 15.7 SP
*8-BEDROOM GUEST HOUSE @ 1 SP / ROOM	= 8 SP
TOTAL SPACES REQUIRED	= 164 SP
EXISTING SPACES PROVIDED	= 128 SP
EXISTING SPACED REMOVED	= 10 SP
ADDITIONAL SPACES PROPOSED	= 55 SP
TOTAL SPACES PROVIDED	= 173 SP

5. PARKING LOT INTERIOR GREEN SPACE:
TOTAL AREA OF NEW PARKING = 15,820 SF
REQUIRED INTERIOR GREEN SPACE = 5% (791 SF)
PROPOSED INTERIOR GREEN SPACE = 10.2% (1,615 SF)
6. THE SITE RECEIVED AN ALTERATION OF TERRAIN PERMIT FROM THE NH DEPARTMENT OF ENVIRONMENTAL SERVICES FOR THE ORIGINAL WINERY AND ASSOCIATED SITE IMPROVEMENTS ON AUGUST 19, 2011 (PERMIT NUMBER AOT-0300). SINCE THE PROPOSED IMPROVEMENTS WILL BE CONSTRUCTED OUTSIDE THE 10-YEAR WINDOW SPECIFIED IN ENV-WQ 1503.12(D)(2), A NEW ALTERATION OF TERRAIN PERMIT IS REQUIRED.
7. NHDES ALTERATION OF TERRAIN AND SHORELAND PERMIT(S) ARE PENDING.
8. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE.
9. DEBRIS CONTAINERS MUST BE KEPT ON-SITE FOR THE DURATION OF CONSTRUCTION.
10. SEE SHEET D-1 FOR SITE AND DRAINAGE DETAILS.
11. SEE SHEET D-2 FOR EROSION CONTROL DETAILS.

SITE SPECIFIC SOIL KEY

SYMBOL	MAP UNIT NAME	SLOPE	HSG
42A	CANTON	0-3%	B
42B	CANTON	3-8%	B
42C	CANTON	8-15%	B
42D	CANTON	15-25%	B
42E	CANTON	>25%	B
115B	SCARBORO MUCKY SANDY LOAM	0-8%	D
305B	SACO VARIANT	0-8%	D
393A	TIMAKWA	0-3%	D
444B	NEWFIELDS	3-8%	B
444C	NEWFIELDS	8-15%	B
514B	LEICESTER	3-8%	C
921B	NEWFIELDS VARIANT, SPD	3-8%	B
921C	NEWFIELDS VARIANT, SPD	8-15%	B

APPROVED BY AMHERST PLANNING BOARD

ON: _____ CERTIFIED BY
CHAIRMAN: _____ AND
SECRETARY: _____

PLAN LEGEND:

- 238 EXISTING 2-FOOT CONTOUR
- 240 EXISTING 10-FOOT CONTOUR
- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE OF GRAVEL
- RIGHT-OF-WAY LINE
- 100-YEAR FLOOD ZONE
- EXISTING DRAIN LINE
- WETLAND DELINEATION
- EDGE OF WATER
- EXISTING TREELINE
- WETLAND BUFFER
- SHORELAND ZONE BOUNDARY
- SITE SPECIFIC SOIL BOUNDARY
- 238 PROPOSED 2-FOOT CONTOUR
- 240 PROPOSED 10-FOOT CONTOUR
- PROPOSED EDGE OF PAVEMENT
- PROPOSED EARTHEN BERM
- PROPOSED TREELINE
- PROPOSED SWALE CENTERLINE

GRAPHIC SCALE
50 25 0 50 100 150
IMPERIAL: 1:50 (IN:FT)

MERIDIAN LAND SERVICES, INC.
ENGINEERING | SURVEYING | PERMITTING
SOIL & WETLAND MAPPING | SEPTIC DESIGN
31 OLD NASHUA ROAD, AMHERST, NH 03031
MERIDIANLANDSERVICES.COM
TEL. 603-673-1441
FAX 603-673-1584

REV.	DATE	DESCRIPTION	BY	CK
I	---	---	---	---
H	---	---	---	---
G	---	---	---	---
F	---	---	---	---
E	---	---	---	---
D	4/7/25	CONDITIONAL APPROVAL AMENDMENT	TRY	TRY
C	10/3/19	ADDRESS AOT COMMENTS	TRY	KMA
B	3/6/19	ADDRESS TOWN REVIEW COMMENTS	TRY	KMA
A	---	---	---	---

LABELLE WINERY
PARKING EXPANSION
OVERALL SITE PLAN
FEBRUARY 15, 2019

ARBOLEDA REALTY, LLC
345 N.H. ROUTE 101
MAP 8 LOT 57, 58-1
AMHERST, NEW HAMPSHIRE
SCALE: 1" = 50'

SP-1
SHEET
FILE: 7415I07.dwg
PROJECT 7415.07
SHEET NO. 1 OF 1

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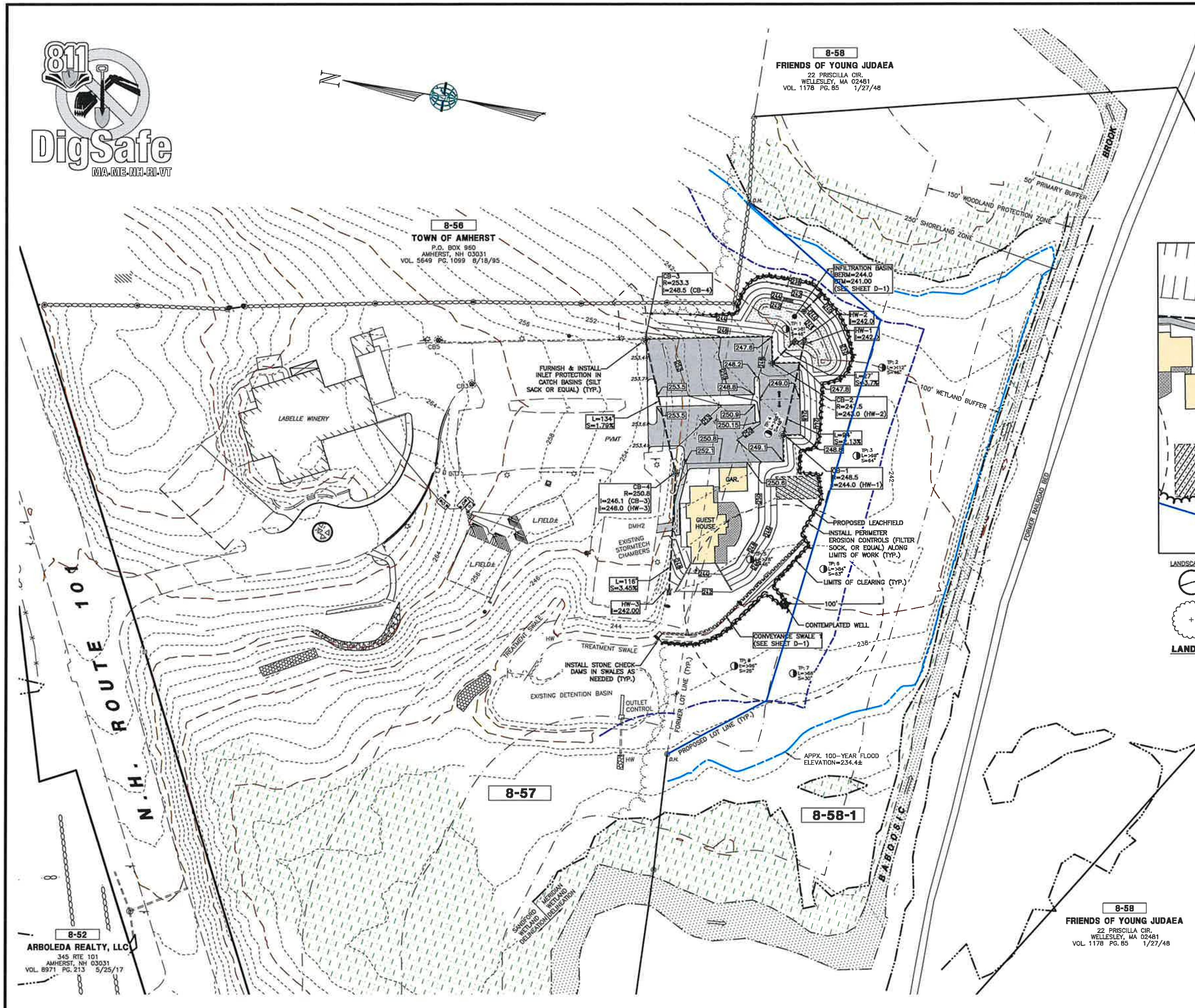
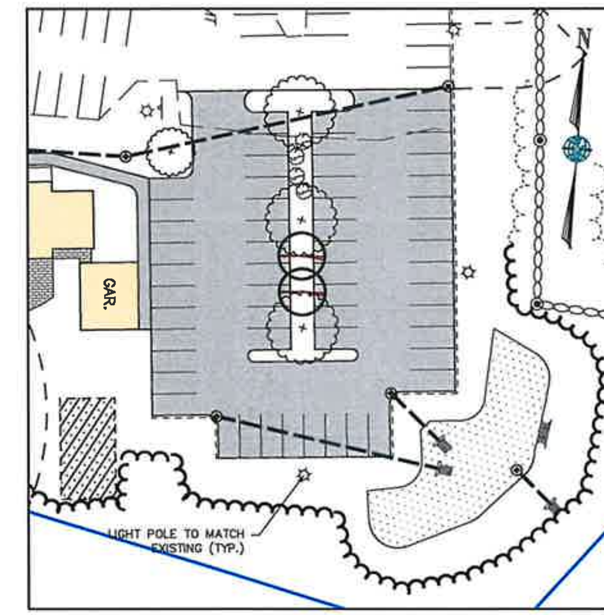


811 DigSafe MA·ME·NH·RI·VT
8-58
FRIENDS OF YOUNG JUDAEA
22 PRISCILLA CIR.
WELLESLEY, MA 02481
VOL. 1178 PG. 85 1/27/48
8-56
TOWN OF AMHERST
P.O. BOX 960
AMHERST, NH 03031
VOL. 5649 PG. 1099 8/18/95
LABELLE WINERY
GUEST HOUSE
GAR.
INFILTRATION BASIN
BERM=244.0
BTM=241.00
(SEE SHEET D-1)
FURNISH & INSTALL INLET PROTECTION IN CATCH BASINS (SILT SACK OR EQUAL) (TYP.)
PROPOSED LEACHFIELD
INSTALL PERIMETER EROSION CONTROLS (FILTER SOCK, OR EQUAL) ALONG LIMITS OF WORK (TYP.)
LIMITS OF CLEARING (TYP.)
CONTEMPLATED WELL
CONVEYANCE SWALE (SEE SHEET D-1)
TREATMENT SWALE
INSTALL STONE CHECK DAMS IN SWALES AS NEEDED (TYP.)
EXISTING DETENTION BASIN
OUTLET CONTROL
EXISTING STORMTECH CHAMBERS
FORMER LOT LINE (TYP.)
PROPOSED LOT LINE (TYP.)
APPX. 100-YEAR FLOOD ELEVATION=234.4±
150' WOODLAND PROTECTION ZONE
250' SHORELAND ZONE
50' PRIMARY BUFFER
100' WETLAND BUFFER
BROOK
FORMER RAILROAD BED
BABOOSIC
N.H. ROUTE 101
8-57
8-58-1
SANDFORD WETLAND DELINEATION
MERIDIAN WETLAND DELINEATION
8-58
FRIENDS OF YOUNG JUDAEA
22 PRISCILLA CIR.
WELLESLEY, MA 02481
VOL. 1178 PG. 85 1/27/48
8-52
ARBOLEDA REALTY, LLC
345 RTE 101
AMHERST, NH 03031
VOL. 8971 PG. 213 5/25/17

PLAN NOTES:

1. THE PURPOSE OF THIS PLAN IS TO DEPICT THE DRAINAGE IMPROVEMENTS PROPOSED AS PART OF THE PARKING EXPANSION AT LABELLE WINERY.
2. PROPOSED STORMWATER MITIGATION WILL BE PROVIDED BY AN INFILTRATION BASIN, A TREATMENT SWALE AND A DETENTION BASIN. RUNOFF FROM THE WESTERN PORTION OF THE PROPOSED PARKING AREA FLOWS TO TREATMENT SWALE B WHERE THE STORMWATER RECEIVES TREATMENT AND IS THEN DISCHARGED TO DETENTION BASIN B. RUNOFF FROM THE EASTERN PORTION OF THE PROPOSED PARKING AREA FLOWS TO INFILTRATION BASIN A WHERE IT IS TREATED AND DISCHARGED.
3. IT SHOULD BE NOTED THAT AS PART OF THE ORIGINAL ALTERATION OF TERRAIN PERMIT FOR THIS SITE (AOT-0300), A SERIES OF SWALES WERE DESIGNED ON THE WESTERN AND SOUTHERN EDGES OF THE PARKING AREA TO CONVEY RUNOFF TO THE DETENTION BASIN. THESE SWALES DO NOT APPEAR TO HAVE BEEN CONSTRUCTED. THE CURRENT EXPANSION PROPOSES A SWALE ON THE SOUTHERN EDGE OF THE OVERFLOW PARKING IN ORDER TO CONVEY STORMWATER TO THE ORIGINAL DESIGN LOCATION.
4. A SERIES OF CULVERTS AND CONVEYANCE SWALES ARE PROPOSED BETWEEN THE EXISTING AND PROPOSED PARKING AREAS. THE SWALE AND CULVERTS ARE BEING PROPOSED IN ORDER TO CAPTURE RUNOFF FROM THE EXISTING PARKING AREA PER THE ORIGINAL DESIGN INTENT.
5. SEE SHEET D-1 FOR SITE AND DRAINAGE DETAILS.
6. SEE SHEET D-2 FOR EROSION CONTROL DETAILS.



LANDSCAPING/LIGHTING LEGEND:

- FLOWERING TREE (2"-2.5" CAL.)
- DECIDUOUS SHRUB (2'-3' HIGH)
- SHADE TREE (2.5"-3" CAL.)
- PROPOSED LIGHT POLE (SEE PHOTO TO RIGHT)

LANDSCAPING AND LIGHTING LAYOUT 1 SP-2

FEB. 28, 2019
SCALE: 1"=40'

PLAN LEGEND:

- EXISTING 2-FOOT CONTOUR
- EXISTING 10-FOOT CONTOUR
- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE OF GRAVEL
- RIGHT-OF-WAY LINE
- 100-YEAR FLOOD ZONE
- EXISTING DRAIN LINE
- WETLAND DELINEATION
- EDGE OF WATER
- EXISTING TREELINE
- WETLAND BUFFER
- SHORELAND ZONE BOUNDARY
- SITE SPECIFIC SOIL BOUNDARY
- PROPOSED 2-FOOT CONTOUR
- PROPOSED 10-FOOT CONTOUR
- PROPOSED 1-FOOT CONTOUR
- PROPOSED FILTER SOCK
- PROPOSED EDGE OF PAVEMENT
- PROPOSED EARTHEN BERM
- PROPOSED TREELINE
- PROPOSED SWALE CENTERLINE
- REVISION CALLOUT

GRAPHIC SCALE
50 25 0 50 100 150
IMPERIAL: 1:50 (IN:FT)

MERIDIAN LAND SERVICES, INC.
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31 OLD NASHUA ROAD, AMHERST, NH 03031
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TEL 603-673-1441
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REV.	DATE	DESCRIPTION	DR	CK
I	---	---	---	---
H	---	---	---	---
G	---	---	---	---
F	---	---	---	---
E	---	---	---	---
D	---	---	---	---
C	4/7/25	CONDITIONAL APPROVAL AMENDMENT	TRY	TRY
B	10/3/19	ADDRESS AOT COMMENTS	TRY	KMA
A	3/6/19	ADDRESS TOWN REVIEW COMMENTS	TRY	KMA

LABELLE WINERY
PARKING EXPANSION

GRADING AND DRAINAGE PLAN

FEBRUARY 15, 2019

ARBOLEDA REALTY, LLC
345 N.H. ROUTE 101
MAP 8 LOT 57, 58-1
AMHERST, NEW HAMPSHIRE

SCALE: 1" = 50'

SP-2
SHEET

FILE: 7415I07.dwg
PROJECT 7415.03
SHEET NO. 3 OF 5

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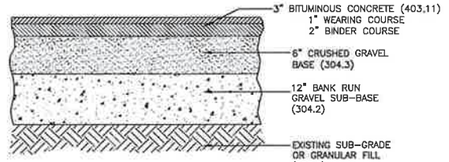
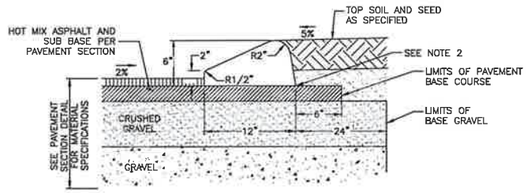


PAVEMENT SECTION (PARKING)

(NHDOT ITEM NO.)

NOV. 28, 2017 SCALE: NONE — 1 / D-1

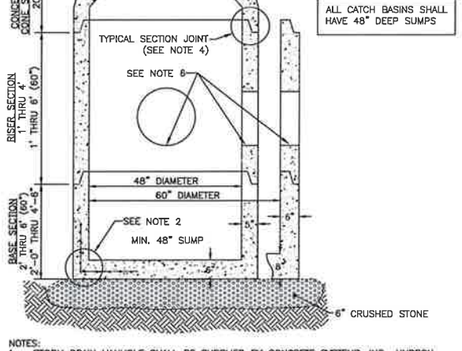


NOTES:

1. CURB FORM SHALL BE MILLER #1144 OR EQUAL
2. APPLY TACK COAT PRIOR TO PLACEMENT OF CURB
3. BITUMINOUS CURB MATERIAL SHALL MEET THE REQUIREMENTS OF NHDOT SECTION 609
4. CAPE COD BERM DIMENSIONS SHALL MATCH THOSE GIVEN IN THIS DETAIL
5. TO BE USED WHERE CURB DOES NOT ABUT SIDEWALK

TYPICAL CAPE COD BERM

AUG. 28, 2013 SCALE: NONE — 2 / D-1



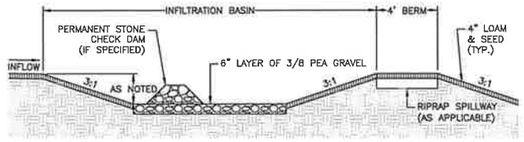
ALL CATCH BASINS SHALL HAVE 48" DEEP SUMPS

NOTES:

1. STORM DRAIN MANHOLE SHALL BE SUPPLIED BY CONCRETE SYSTEMS, INC., HUDSON, NH OR EQUAL.
2. REINFORCING STEEL SHALL CONFORM TO THE LATEST ASTM SPECIFICATION: 0.12 SQ.IN./LINEAR FT. AND 0.12 SQ.IN. (BOTH WAYS) BASE BOTTOM.
3. CONCRETE COMPRESSIVE STRENGTH = 4000 PSI MINIMUM.
4. TYPICAL SECTION JOINT SHALL BE SEALED WITH BUTYL RUBBER AND SHALL CONFORM TO ASTM C443 SPEC. AND FED SPEC. SS-S-210A.
5. MANHOLE DESIGN SPECIFICATIONS SHALL CONFORM TO THE LATEST ASTM C478 SPEC. FOR "PRECAST. REINFORCED CONCRETE MANHOLE SECTIONS".
6. ALL PIPING SHALL BE SEALED WITH NON SHRINK GROUT.
7. ALTERNATIVE TOP SLAB IS TO BE STEEL REINFORCED TO MEET OR EXCEED H-20 LOADING.
8. INLET GRATE AND FRAME IS TO BE NEENAH MODEL R-3405 FOR SINGLE GRATE AND MODEL R-3405-A FOR A DOUBLE GRATE STRUCTURE, OR EQUAL.
9. INLET FRAME IS TO BE ADJUSTED TO GRADE WITH A MINIMUM OF TWO (2) COURSES OF BRICK OR ONE SOLID CONCRETE RING AND GROUT. SEALED IN PLACE WITH NON SHRINK GROUT.
10. STORM DRAIN MANHOLE IS TO BE SET ON 6" OF 3/4" STONE BEDDING.
11. THE 48" DIAMETER STORM DRAIN MANHOLE SHALL BE RESTRICTED TO PIPES OF 24" IN DIAMETER OR LESS. THE 60" DIAMETER STORM DRAIN SHALL BE RESTRICTED TO PIPES OF 36" IN DIAMETER OR LESS.
12. ALL DRAINAGE STRUCTURES SHALL CONFORM TO NHDOT STANDARDS.

CATCH BASIN

MARCH 5, 2002 SCALE: NONE — 3 / D-1



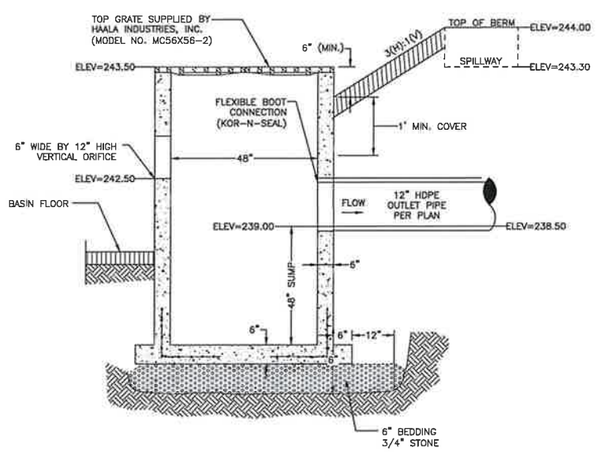
INFILTRATION BASIN SCHEDULE		
BASIN	BOTTOM	TOP OF BANK
1	241.0	244.0

NOTES:

1. DO NOT TRAFFIC EXPOSED SOIL SURFACE WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION COMPONENTS OF THE SYSTEM.
2. DO NOT COMPACT THE EXCAVATION.
3. STORMWATER SHALL BE DIRECTED TO A PRETREAMENT BMP (IE. SEDIMENT FOREBAY) PRIOR TO INFILTRATION BASIN(S). DO NOT DISCHARGE RUNOFF DURING CONSTRUCTION FROM CONSTRUCTION ACTIVITIES TO INFILTRATION BASIN(S).
4. INFILTRATION BASIN(S) FLOORS SHALL BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW FOLLOWED BY A PASS WITH A LEVELING DRAG.
5. VEGETATION SHALL BE ESTABLISHED IMMEDIATELY.
6. DO NOT PLACE INFILTRATION BASIN(S) INTO SERVICE UNTIL THE CONTRIBUTING AREA HAS BEEN COMPLETELY STABILIZED.
7. INFILTRATION BASIN(S) SHALL BE MOWED AT LEAST TWICE ANNUALLY TO CONTROL THE GROWTH OF VEGETATION AND MAINTAIN ACCESS.
8. INFILTRATION BASIN(S) SHALL BE INSPECTED FOR DEBRIS/TRASH, SEDIMENT, EROSION, SETTLEMENT, SEEPAGE, WOODY VEGETATION OR ANY DEGRADING STABILITY CONDITION AT LEAST TWICE ANNUALLY AND/OR FOLLOWING AN RAINFALL EVENT EXCEEDING 2.5 INCHES IN A 24 HOUR PERIOD. ANY CONDITIONS PRESENT SHALL BE IMMEDIATELY CORRECTED.
9. INFILTRATION BASIN(S) SHALL BE INSPECTED PERIODICALLY AFTER A RAINFALL EVENT TO VERIFY THEY CAN DRAIN WITHIN 72 HOURS. UPON AN INSPECTION RESULTING IN OVER A 72 HOUR DRAIN TIME, A QUALIFIED PROFESSIONAL SHALL ASSESS THE INFILTRATION BASIN(S) AND PROVIDE MEASURES TO RESTORE THE INFILTRATION FUNCTION.

INFILTRATION BASIN - TYPICAL CROSS-SECTION

NOV. 13, 2009 SCALE: NONE — 4 / D-1



OUTLET STRUCTURE NOTES:

1. OUTLET CONTROL STRUCTURE SHALL CONFORM TO SECTION 604 FOR THE NHDOT STANDARD SPECIFICATIONS.
2. ALL HARDWARE SHALL BE HOT-DIPPED GALVANIZED PER ASTM A123/123M AND/OR ASTM A153/153M.
3. ALL HARDWARE SHALL CONFORM TO SECTION 550, AND AS FOLLOWS;
   A. BOLTS: ASTM A325;
   B. NUTS: GRADE DH;
   C. WASHERS: ASTM F436;
   D. STRUCTURAL STEEL: ASTM A6 AND/OR AASHTO M270 (ASTM A709); GRADE 36;

OUTLET CONTROL STRUCTURE

JULY 18, 2007 SCALE: NONE — 5 / D-1

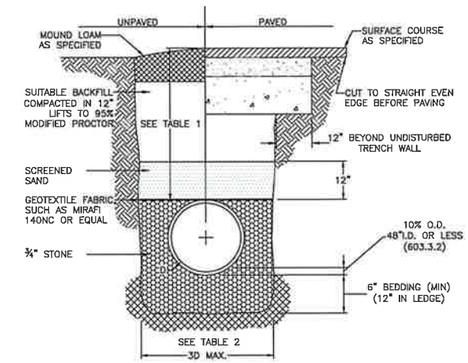


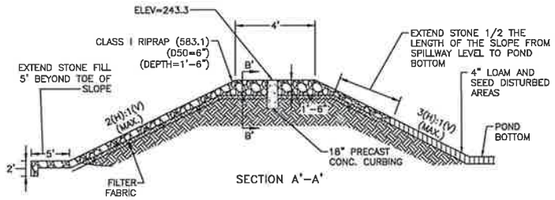
TABLE 1		
LOCATION	PIPE MATERIAL	MINIMUM COVER
PAVED ROADS	ALL	3 FT.
UNPAVED ROADS	ALL	3 FT.
DRIVEWAYS	ALL	1 FT.
UNPAVED AREAS	ALL	2 FT.

TABLE 2 (206.4.1.2)	
INSIDE DIAMETER	TOTAL WIDTH
12" TO 24"	I.D. + 24"
OVER 24"	2 x I.D.

TYPICAL DRAINAGE PIPE TRENCH

(NHDOT ITEM NO.)

SEPT 30, 2002 SCALE: NONE — 6 / D-1

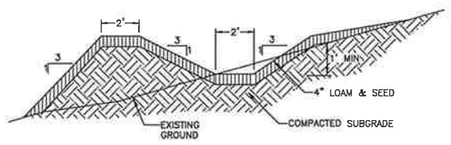


CLASS I RIPRAP (D50=6 IN)	
VOLUME (FT^3)	% DISTRIBUTION
0.05	<15%
0.14	15%-85%
0.31	>85%
1.00	MAX

RIPRAP SHALL MEET THE REQUIREMENTS OF SECTION 583 OF NHDOT.

SPILLWAY

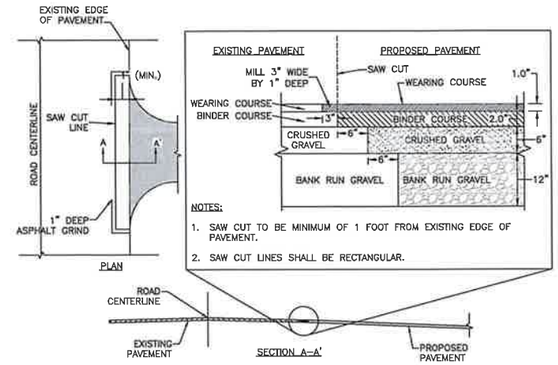
DEC. 28, 2010 SCALE: NONE — 7 / D-1



PROPOSED CONVEYANCE SWALE					
	ELEVATIONS		DIMENSIONS		
SWALE	INLET	OUTLET	BOTTOM WIDTH	LENGTH	SLOPE FT/FT
CS-1	241.9	240.1	2'	180'	0.010

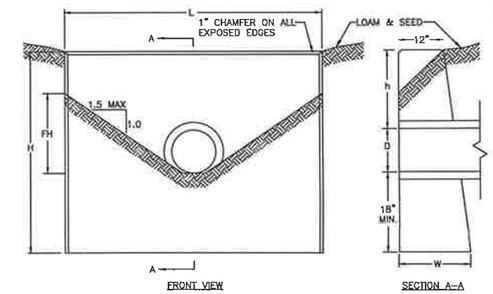
CONVEYANCE SWALE

JULY. 14, 2003 SCALE: NONE — 8 / D-1



PAVEMENT BUTT JOINT DETAIL

JAN. 2019 SCALE: NONE — 9 / D-1

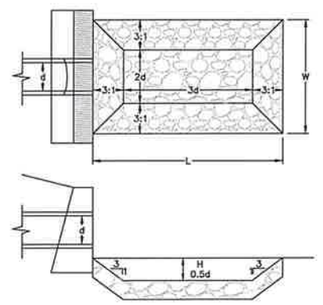


CULVERT DIAM.	HEADWALL LENGTH	HEADWALL HEIGHT	FILL HEIGHT	PIPE COVER	HEADWALL BOTTOM
D	L	H	FH	h	WIDTH W
INCHES	FEET & INCHES				
12	4'-2"	3'-9"	1'-3"	1'-3"	1'-11"
15	5'-11"	4'-2"	1'-7"	1'-5"	2'-0"
18	6'-11"	4'-5"	1'-10"	1'-5"	2'-1"
24	8'-10"	4'-11"	2'-5"	1'-5"	2'-3"

HEADWALL - PRECAST CONCRETE

OCT. 12, 2009 SCALE: NONE — 10 / D-1

SCOUR HOLE SIZING					
LOCATION	L (FT)	W (FT)	H (FT)	d50 (IN)	T (IN)
HW-1	5	3.75	0.63	4	8
HW-2	5	3.75	0.63	4	8
HW-3	5	3.75	0.63	4	8



OUTLET PROTECTION - RIPRAP SCOUR HOLE

NOV. 23, 2014 SCALE: NONE — 11 / D-1

MERIDIAN LAND SERVICES, INC.
ENGINEERING | SURVEYING | PERMITTING
SOIL & WETLAND MAPPING | SEPTIC DESIGN
31 OLD NASHUA ROAD, AMHERST, NH 03031
TEL. 603-673-1441
FAX 603-673-1364
MERIDIANLANDSERVICES.COM

REV.	DATE	DESCRIPTION	BY	CK
A	3/6/19	ADDRESS TOWN REVIEW COMMENTS	TRY	KMA
B	10/3/19	ADDRESS AOT COMMENTS	TRY	KMA
C	4/7/25	CONDITIONAL APPROVAL AMENDMENT	TRY	KMA
D	---	---	---	---
E	---	---	---	---
F	---	---	---	---
G	---	---	---	---
H	---	---	---	---
I	---	---	---	---

LABELLE WINERY PARKING EXPANSION

SITE AND DRAINAGE DETAILS

FEBRUARY 15, 2019

ARBOLEDA REALTY, LLC
345 N.H. ROUTE 101
MAP 8 LOT 57, 58-1
AMHERST, NEW HAMPSHIRE

SCALE: AS NOTED

D-1
SHEET

FILE: 7415I07.dwg
PROJECT 7415.03
SHEET NO. 4 OF 5

H:\All\07415\7415.07\0_Drawings\ENG\7415I07.dwg

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE(S) IF NEEDED.
2. CUT AND CLEAR TREES; DISPOSE OF DEBRIS.
3. INSTALL PERIMETER EROSION AND SEDIMENTATION CONTROLS IN LOCATIONS SHOWN ON PLANS. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY EARTH MOVING OPERATION.
4. PULL STUMPS AND REMOVE FROM SITE OR MULCH TO USE ON-SITE FOR EROSION CONTROL. REMOVE TOPSOIL AND STOCKPILE AWAY FROM ANY WETLAND. STABILIZE STOCKPILE IMMEDIATELY BY SEEDING. PLACE SILT FENCE AROUND THE DOWN SLOPE SIDE OF EARTH STOCKPILES.
5. CONSTRUCT PONDS AND SWALES DURING INITIAL PORTION OF CONSTRUCTION, PRIOR TO ROUGH GRADING THE SITE. STABILIZE IMMEDIATELY WITH LOAM AND SEED PER THE EROSION CONTROL NOTES. DO NOT DIRECT STORM WATER RUNOFF TO PONDS AND SWALES UNTIL A HEALTHY VEGETATIVE COVER IS ESTABLISHED.
6. ROUGH GRADE THE SITE. ALL CUT AND FILL SLOPES SHALL BE STABILIZED UPON COMPLETION OF ROUGH GRADING PER THE THE EROSION CONTROL NOTES.
7. PLACE SEDIMENT FILTERS IN CATCH BASINS UNTIL ALL NON-PAVED DISTURBED AREAS HAVE A HEALTHY VEGETATIVE COVER.
8. INSTALL UNDERGROUND UTILITIES AS APPLICABLE: WATER, SEWER, TELEPHONE, ELECTRICAL.
9. INSPECT AND MAINTAIN EROSION CONTROL MEASURES ON A WEEKLY BASIS AND AFTER ANY RAINFALL OF 0.5" OR MORE.
10. AS REQUIRED, CONSTRUCT TEMPORARY BERMS, CULVERTS, DITCHES, SILT FENCES, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED.
11. FINISH GRADING THE SITE. ALL CUT AND FILL SLOPES SHALL BE LOAMED AND SEEDED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE. ALL ROADWAYS AND PARKING LOTS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
12. BASE PAVE PARKING AREAS. FINISH PAVE DRIVE AND PARKING AREAS.
13. APPLY LOAM. COMPLETE PERMANENT SEEDING AND LANDSCAPING.
14. TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED.

CONSTRUCTION SEQUENCE

NOV. 21, 2017 SCALE: NONE — 1 / D-2

1. ALL POST-DEVELOPMENT VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATED GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE PLACEMENT OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
2. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATED GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED WITH STONE RIPRAP OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITION.
3. AFTER OCTOBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3, OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT.

WINTER CONSTRUCTION

OCT. 12, 2009 SCALE: NONE — 2 / D-2

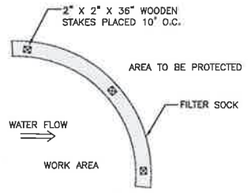
1. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REQUIREMENTS AND SPECIFICATIONS OF THE TOWN OF AMHERST. OTHERWISE, ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT EDITION OF NHDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AS MOST RECENTLY REVISED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, SIZE, AND ELEVATION OF ALL EXISTING UTILITIES SHOWN OR NOT SHOWN ON THESE PLANS AND SHALL VERIFY THAT ALL THE INFORMATION SHOWN HEREON IS CONSISTENT, COMPLETE, ACCURATE, AND CAN BE CONSTRUCTED PRIOR TO AND/OR DURING CONSTRUCTION. MERIDIAN LAND SERVICES, INC., AS DESIGN ENGINEER, SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES, ERRORS, OMISSIONS, OR EXISTING UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION SO THAT REMEDIAL ACTION MAY BE TAKEN BEFORE PROCEEDING WITH THE WORK.
3. THE OWNER AND/OR CONTRACTOR SHALL VERIFY ALL ZONING REQUIREMENTS FOR CONFORMANCE PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL CONTACT "DIGSAFE" (811) 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
5. COMPLIANCE WITH ALL APPLICABLE REGULATIONS AND SPECIAL CONDITIONS OF TOWN/CITY AGENCIES, SUCH AS THE PLANNING BOARD, CONSERVATION COMMISSION, AND OTHERS, IS MANDATORY AND IS THE RESPONSIBILITY OF THE OWNER.
6. ANY ALTERATION OF THIS DESIGN OR CHANGE DURING CONSTRUCTION MAY REQUIRE APPROVAL OF VARIOUS TOWN BOARDS OR AGENCIES AND SHALL BE DISCUSSED WITH THE OWNER AND MERIDIAN LAND SERVICES, INC. PRIOR TO CONSTRUCTION.
7. ALL DRAINAGE STRUCTURES SHALL CONFORM TO NHDOT STANDARDS.
8. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE APPROPRIATE TOWN DEPARTMENT PRIOR TO CONSTRUCTION TO ARRANGE FOR INSPECTIONS OF THE CONSTRUCTION.
9. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ACCURATE AS-BUILT INFORMATION OF ALL WORK, ESPECIALLY UNDERGROUND CONSTRUCTION OF UTILITY LINES, SERVICES, CONNECTIONS, ETC. AND APPROPRIATE TIES TO ABOVE GROUND PERMANENT STRUCTURES, FIELD SURVEY COORDINATES, OR SOME OTHER METHOD OF ESTABLISHING THE AS-BUILT CONDITION OF ALL CONSTRUCTION.

CONSTRUCTION NOTES

NOV. 13, 2009 SCALE: NONE — 3 / D-2

NOTES:

1. EROSION CONTROL MIX SHALL HAVE AN ORGANIC PORTION BETWEEN 25% AND 65%, DRY WEIGHT BASIS THAT IS:
   - 1.1. FIBROUS AND ELONGATED SUCH AS FROM SHREDDED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR EQUIVALENT MANUFACTURED PRODUCTS; AND
   - 1.2. NOT COMPROMISED OF WOOD CHIPS, BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS;
2. NOT CONTAIN SILTS, CLAYS, OR FINE SANDS;
3. HAVE A PARTICLE SIZE BY WEIGHT OF 100% PASSING A 3-INCH SCREEN, 90%% TO 100% PASSING A 1-INCH SCREEN, 70%% TO 100% PASSING A 0.75-INCH SCREEN, AND 30% TO 75% PASSING A 0.255-INCH SCREEN; AND.
4. HAVE A PH BETWEEN 5.0 AND 8.0.



PLAN

CONTINUOUS CONTAINED BERM (FILTER SOCK)

SCALE: NONE — 4 / D-2

DURING CONSTRUCTION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED:

1. INSTALLATION OF PERIMETER EROSION CONTROLS WHERE INDICATED SHALL BE COMPLETED PRIOR TO THE START OF SITE WORK IN ANY GIVEN AREA.
2. PERIMETER EROSION CONTROLS SHALL BE KEPT CLEAN DURING CONSTRUCTION AND REMOVED WHEN ALL DISTURBED AREAS HAVE A HEALTHY STAND OF VEGETATIVE COVER. EROSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE A WEEK AND AFTER EVERY 0.5" OR GREATER RAINFALL.
3. EXISTING VEGETATION IS TO REMAIN UNDISTURBED WHEREVER POSSIBLE.
4. PER THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES, THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION. THE TOTAL AREA OF ACTIVE DISTURBANCE, INCLUDING LOT DISTURBANCES, SHALL NOT EXCEED 5 ACRES.
5. THE DURATION OF TIME THAT AN AREA IS DISTURBED SHALL BE MINIMIZED. ALL NON-ACTIVE DISTURBED AREAS (ie: CLEARED FOR CONSTRUCTION BUT NOT PRESENTLY UNDERGOING CONSTRUCTION) SHALL BE STABILIZED WITHIN 28 DAYS OF DISTURBANCE. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 72 HOURS AFTER FINAL GRADING.
6. ALL DITCHES, SWALES AND DETENTION BASINS SHALL BE CONSTRUCTED DURING THE INITIAL PHASE OF CONSTRUCTION AND SHALL BE STABILIZED PRIOR TO DIRECTING STORM WATER FLOW TO THEM.
7. AN AREA MAY BE CONSIDERED STABILIZED WHEN ONE OF THE FOLLOWING HAS OCCURED:
   - A. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
   - B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
   - C. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR
   - D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
8. ALL DISTURBED AREAS SHALL BE COVERED WITH A MINIMUM OF 4" OF LOAM. LOAM SHALL BE COVERED WITH THE APPROPRIATE SEED MIXTURE AS INDICATED BELOW.

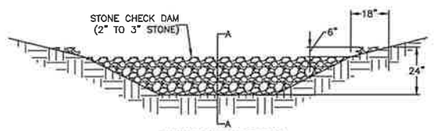
   THE SEED MIXTURE SHALL BE APPLIED AT A RATE OF 2.5 POUNDS PER 1,000 SQ. FT. AND SHALL BE MIXED AS FOLLOWS:

TYPICAL LAWN SEED		SLOPE SEED	
CREEPING RED FESCUE	0.87 LBS.	CREEPING RED FESCUE	1.01 LBS.
KENTUCKY BLUEGRASS	0.71 LBS.	RYE GRASS	0.75 LBS.
RYE GRASS	0.58 LBS.	RED TOP	0.18 LBS.
RED TOP	0.14 LBS.	ALSIKE CLOVER	0.18 LBS.
		BIRDSFOOT TREFOIL	0.18 LBS.

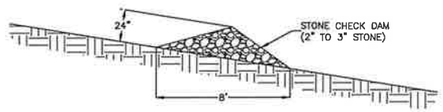
9. APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 600 POUNDS PER ACRE OR 13.8 POUNDS PER 1,000 SQUARE FEET OF LOW PHOSPHATE FERTILIZER (N-P2O5-K2O) OR EQUIVALENT (LOW PHOSPHORUS FERTILIZER IS DEFINED BY THE COMPREHENSIVE SHORELAND PROTECTION ACT AS LESS THAN 2% PHOSPHORUS). APPLY LIMESTONE (EQUIVALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 LB. PER 1,000 SQUARE FEET).
10. FERTILIZER SHOULD BE RESTRICTED TO A LOW PHOSPHATE, SLOW RELEASE NITROGEN FERTILIZER WHEN APPLIED TO AREAS BETWEEN 25 FEET AND 250 FEET FROM A SURFACE WATER BODY AS SPECIFIED BY THE COMPREHENSIVE SHORELAND PROTECTION ACT (SLOW RELEASE FERTILIZERS MUST BE AT LEAST 50% SLOW RELEASE NITROGEN COMPONENT). NO FERTILIZER EXCEPT LIMESTONE SHOULD BE APPLIED WITHIN 25 FEET OF THE SURFACE WATER. THESE LIMITATIONS ARE REQUIREMENTS.
11. PERMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS. WHEN SEEDED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 10 TO SEPTEMBER 15. NO DISTURBED AREA SHALL BE LEFT EXPOSED DURING THE WINTER MONTHS.
12. THE SITE CONTRACTOR SHALL MAINTAIN A VIGOROUS DUST CONTROL PROGRAM THROUGHOUT THE CONSTRUCTION PROCESS. EXPOSED EARTH SHALL BE KEPT MOIST OR MULCHED AT ALL TIMES TO PREVENT DUST FORMATION. SPECIAL ATTENTION SHALL BE PAID TO HIGH TRAFFIC AREAS.
13. ALL AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE.

EROSION CONTROL

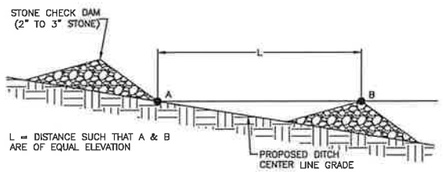
OCT. 12, 2009 SCALE: NONE — 5 / D-2



VIEW LOOKING UPSTREAM



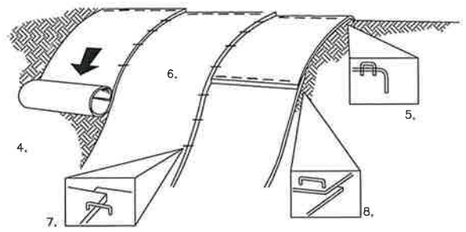
SECTION A-A



SPACING BETWEEN CHECK DAMS

STONE CHECK DAM

JULY 17, 2017 SCALE: NONE — 6 / D-2

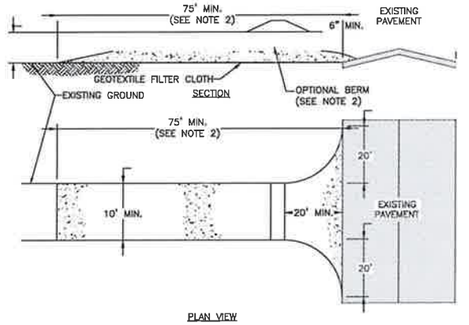


CONSTRUCTION REQUIREMENTS AND SLOPE APPLICATIONS:

1. USE STRAW/COCONUT FIBER EROSION CONTROL TURF REINFORCEMENT MAT SUCH AS NORTH AMERICAN GREEN SC150BN OR EQUAL.
2. **THE USE OF ANY EROSION CONTROL MAT WHICH CONTAINS ANY WELDED PLASTIC OR BIODEGRADABLE PLASTIC THREAD OR NETTING IS STRICTLY PROHIBITED.**
3. THE EROSION CONTROL MATERIAL(S) SHALL BE ANCHORED WITH "U" SHAPED 11 GAUGE WIRE STAPLES OR WOODEN STAKES WITH A MINIMUM TOP WIDTH OF 1" AND A LENGTH OF 6".
4. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER AND SEED.
5. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROLL OF STAPLES OR STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET WITH A ROW OF STAPLES/STAKES PLACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
6. ROLL THE BLANKETS DOWN THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES OR STAKES IN APPROPRIATE LOCATIONS. REFER TO MANUFACTURERS STAPLE GUIDE FOR CORRECT STAPLE PATTERN.
7. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" OF OVERLAP DEPENDING ON THE BLANKET TYPE.
8. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE OVERLAPPED AREA APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
9. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE BLANKETS.
10. THE CONTRACTOR SHALL MAINTAIN THE BLANKET UNTIL ALL WORK ON THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY CAUSE. ALL DAMAGED AREAS SHALL BE REPAIRED TO REESTABLISH THE CONDITIONS AND GRADE OF THE SOIL PRIOR TO APPLICATION OF THE COVERING AND SHALL BE REFERTILIZED, RESEEDED AND REMULCHED AS DIRECTED.

SLOPE STABILIZATION TURF REINFORCEMENT MAT

AUG. 2, 2002 SCALE: NONE — 7 / D-2

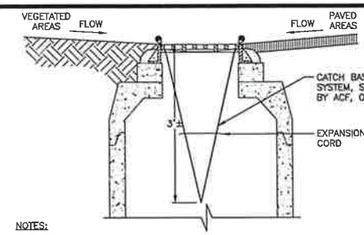


PLAN VIEW

1. STONE FOR STABILIZED CONSTRUCTION EXIT SHALL BE 3 INCH CRUSHED STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE MINIMUM LENGTH OF THE PAD SHOULD BE 75 FEET, EXCEPT THAT THE MINIMUM LENGTH MAY BE REDUCED TO 50 FEET IF A 3-INCH TO 6-INCH HIGH BERM IS INSTALLED AT THE EXIT OF THE PROJECT SITE.
3. THE THICKNESS OF THE STONE SHALL NOT BE LESS THAN 6 INCHES.
4. THE WIDTH OF THE EXIT SHALL NOT BE LESS THAN THE FULL WIDTH OF THE EXISTING POINT OF INGRESS/EGRESS OR 10 FEET, WHICH EVER IS GREATER.
5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARDS THE CONSTRUCTION EXIT SHALL BE PIPED BENEATH THE EXIT. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
7. THE EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.
8. WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO EXIT ONTO PUBLIC RIGHT-OF-WAYS. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

STABILIZED CONSTRUCTION EXIT (AS NEEDED)

OCT. 12, 2009 SCALE: NONE — 8 / D-2

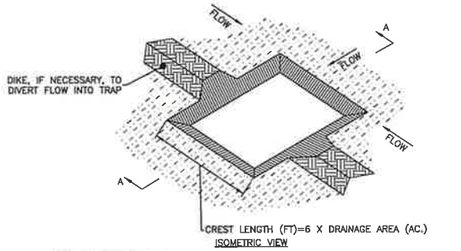


NOTES:

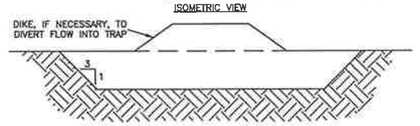
1. INSTALL AND MAINTAIN SEDIMENT FILTERS IN ALL CATCH BASINS
2. TO INSTALL FILTER, REMOVE CATCH BASIN GRATE AND PLACE IN OPENING. HOLD OUT APPROXIMATELY 6 INCHES OF THE FILTER OUTSIDE THE FRAME FOR THE LIFTING STRAPS. REPLACE THE GRATE TO HOLD IN PLACE.
3. THE FILTER SHOULD BE INSPECTED AFTER EVERY STORM OR ONCE EVERY TWO WEEKS, WHICH EVER OCCURS FIRST.
4. THE RESTRAINT CORD SHOULD BE VISIBLE AT ALL TIMES. IF THE CORD IS COVERED WITH SEDIMENT, THE FILTER SHOULD BE EMPTIED. EMPTY AWAY FROM THE CATCH BASIN TO PREVENT SEDIMENT FROM RE-ENTERING THE CATCH BASIN. EMPTY THE FILTER PER THE MANUFACTURERS RECOMMENDATIONS.
5. REPLACE THE FILTER IN THE CATCH BASIN AFTER IT HAS BEEN EMPTIED. ONCE CONSTRUCTION IS COMPLETE AND ALL DISTURBED AREAS HAVE BEEN STABILIZED BY PAVING OR A HEALTHY VEGETATIVE COVER, REMOVE THE FILTER FROM THE CATCH BASIN.

CATCH BASIN SEDIMENT FILTER

JULY 17, 2017 SCALE: NONE — 9 / D-2



ISOMETRIC VIEW



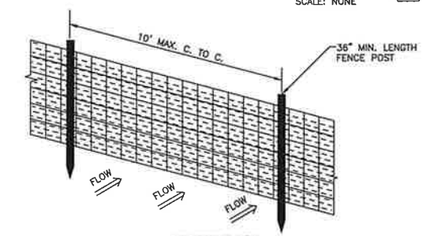
SECTION A-A

NOTES:

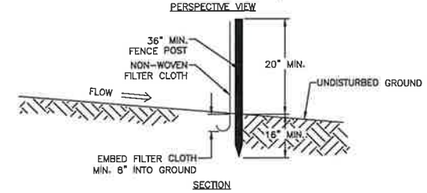
1. SEDIMENT TRAPS SHOULD BE LOCATED SO THEY CAN BE INSTALLED PRIOR TO DISTURBING THE AREA THEY ARE TO PROTECT.
2. THE TRAP SHOULD BE INSTALLED AS CLOSE TO THE DISTURBED AREA OR SOURCE OF SEDIMENT AS POSSIBLE.
3. THE MAXIMUM CONTRIBUTING AREA TO THE TRAP SHOULD BE LESS THAN 5 ACRES.
4. THE MINIMUM VOLUME OF THE TRAP SHOULD BE 3,600 CUBIC FEET OF STORAGE FOR EACH ACRE OF DRAINAGE AREA.
5. THE SIDE SLOPES OF THE TRAP SHOULD BE 3:1 OR FLATTER, AND SHOULD BE STABILIZED IMMEDIATELY AFTER THEIR CONSTRUCTION.
6. REFER TO THE NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL VOL. 3: CONSTRUCTION PHASE EROSION AND SEDIMENT CONTROLS, DECEMBER 2008 FOR COMPLETE INFORMATION.

EARTH OUTLET SEDIMENT TRAP (AS NEEDED)

OCTOBER 22, 2018 SCALE: NONE — 10 / D-2



PERSPECTIVE VIEW



SECTION

SILTATION FENCE - ALTERNATE

DEC. 22, 1995 SCALE: NONE — 11 / D-2

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REV.	DATE	DESCRIPTION	DR.	CK.
I	---	---	---	---
H	---	---	---	---
G	---	---	---	---
F	---	---	---	---
E	---	---	---	---
D	4/7/25	CONDITIONAL APPROVAL AMENDMENT	TRK	KMA
C	10/5/19	ADDRESS AOT COMMENTS	TRK	KMA
B	3/5/19	ADDRESS TOWN REVIEW COMMENTS	TRK	KMA
A	2/15/19	ADDRESS TOWN REVIEW COMMENTS	TRK	KMA

LABELLE WINERY
PARKING EXPANSION

EROSION CONTROL DETAILS

FEBRUARY 15, 2019

ARBOLEDA REALTY, LLC
345 N.H. ROUTE 101
MAP 8 LOT 57, 58-1
AMHERST, NEW HAMPSHIRE

SCALE: NONE

D-2
SHEET

FILE: 7415l07.dwg
PROJECT 7415.03
SHEET NO. 5 OF 5

H:\MLS\07415\7415.07\0_Drawings\ENGY7415l07.dwg

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PRELIMINARY DESIGNS
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3/6/25

A 1.1