



LANDSCAPE ARCHITECT

WOODBURN & COMPANY 103 KENT PLACE NEWMARKET, NEW HAMPSHIRE (603) 659-5949

SURVEYOR

NORWAY PLAINS ASSOCIATES, INC. 2 CONTINENTAL BOULEVARD ROCHESTER, NEW HAMPSHIRE 03867 (603) 335-3948



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FINAL APPROVAL BY DURHAM PLANNING BOARD.
CERTIFIED BY MICHAEL BEHRENDT, TOWN PLANNER
CERTIFIED
DATE

0.	INITIAL SUBMISSION TO DURHAM PLANNING BOARD	06/03/20	MJS
NO.	REVISIONS	DATE	INT.



7TT	ENGINEERS	

NO 1.	THE PURPOSE OF THIS PLAN IS TO DEPICT THE EXISTING CONDITIONS OF THE PARCEL
	DESCRIBED IN STRAFFORD COUNTY REGISTRY OF DEEDS, BOOK 1783, PAGE 539.
2.	PARCEL AREA: 119,138 SQ. FT. / 2.74 ACRES
э.	TOWN OF DURHAM TAX MAP 2, LOT 10-4.
4.	THE SURVEYED PARCEL LIES WITHIN THE TOWN OF DURHAM PROFESSIONAL OFFICE (PO) DISTRICT. MINIMUM BUILDING SETBACKS ARE AS FOLLOWS: FRONT YARD = 30 FT (50 FT FROM ARTERIAL STREET) SIDE YARD = 15 FT REAR YARD = 20 FT MAX. BLD. HEIGHT = 30 FT (35 FT BY CONDITIONAL USE)
5.	MAX. IMPERVIOUS RATIO = 50% THE SURVEYED PARCEL IS LOCATED WITHIN ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP
6.	BEARINGS SHOWN ON THIS PLAN ARE BASED ON GRID NORTH, NEW HAMPSHIRE STATE PLANE, NAD83. ELEVATIONS AND CONTOURS ARE BASED ON NAVD88(GEOID12B), BASED ON GPS OBSERVATIONS TAKEN JANUARY 31, 2020. DISTANCES SHOWN ARE GROUND DISTANCES.
7.	THE LOCATION SHOWN ON THIS PLAN FOR ABOVE AND UNDERGROUND UTILITIES ARE APPROXIMATE AND MUST BE VERIFIED BEFORE ANY EXCAVATION. <u>FEDERAL AND STATE LAW</u> <u>REQUIRES</u> ANYONE PERFORMING ANY SORT OF EXCAVATION, INCLUDING DIGGING, BACKFILLING, BORING, AND GRADING TO NOTIFY DIG-SAFE (1-888-344-7233) AT LEAST 72 HOURS BEFORE BEGINNING WORK.
	REFERENCE PLANS:
	1. "PLAN OF LAND OF W. TUCKERMAN" REVISED: FEB. 13, 1936 BY E.W. BOWLER RECORDED: PLAN #35, POCKET #3, FOLDER #2
	2. "PLAN OF LAND FOR OYSTER RIVER COOPERATIVE SCHOOL DISTRICT" REVISED: APRIL 20, 1955 BY GRANT L. DAVIS RECORDED: PLAN #15, POCKET #2, FOLDER #21
	3. "SUBDIVISION OF THE LAND OF MARION E. JAMES" REVISED: FEB. 6, 1981 BY DICKSON, HOLDEN, AND ASSOCIATES, INC. RECORDED: PLAN NO. 21A–34
	TAX MAP 2, LOT 10-4 OWNER OF RECORD: BW2, LLC
	C/O HOUSING INITIATIVES OF NEW ENGLAND CORP. 264 US ROUTE 1 BUILDING 300 SUITE 2A SCARBOROUGH, ME 04074 BOOK 1783, PAGE 539
E	BOUNDARY & TOPOGRAPHIC SURVEY 38 MADBURY BOAD
	DURHAM STRAFFORD COUNTY
	NEW HAMPSHIRE
	FOR: BW2, LLC FEBRUARY 2020
	GRAPHIC SCALE
	30 0 15 30 60 120

RESERVED REGISTRY OF DEEDS

2 CONTINENTAL BLVD., ROCHESTER, NH 603-335-3948

(IN FEET)

1 INCH = 30 FEET

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NOTES:

- 1. UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON OBSERVABLE PHYSICAL EVIDENCE, NO WORK WHATSOEVER SHALL BE UNDERTAKEN ON THIS SITE USING THIS PLAN TO LOCATE THE ABOVE SERVICES. CONSULT WITH THE PROPER AUTHORITIES CONCERNED WITH THE SUBJECT SERVICE LOCATIONS FOR INFORMATION REGARDING SUCH. CALL DIG-SAFE AT 1-888-DIG-SAFE.
- GEOSYNTHETIC FILTER BAGS SHOULD BE INSTALLED IN ALL CATCH BASINS LOCATED NEAR THE WORKING AREA. SEE DETAIL FOR MOST INFORMATION.





	Plant List					Lands
	TREES					1. Design is based
	Symbol Botanical Name	Common Name	Quantity	Size	Comments	 The contractor s from erosion. Freeder Contractor s
	Amelanchier canadensis	Shadblow Serviceberry Tulintree	3	3-3.5" cal	10-12' ht. B&B	 a. Erosion Control 4. Erosion Control drainage wave
	Mag Magnolia stellata 'Royal Star'	Royal Star Magnolia	1	3-3.5" cal	6-7' ht. B&B	5. The Contractor layout and/or or
	PpR Prunus persica 'Reliance'	Reliance Peach	2	3-3.5" cal 2-2.5" cal	B&B	 It is the contract has been provid
	In Thuja plicata 'Green Giant' UaP Ulmus americana 'Princeton'	Green Giant Arborvitae Princeton American Elm	13 4	3-3.5" cal 3-3.5" cal	8-10' ht. B&B B&B	provide a set of 7. Trees to Remai
	SHRUBS					means of protect and shall includ
	Symbol Botanical Name	Common Name	Quantity	Size	Comments	the tree(s). Do 8. This plan is for
	Cl Clethra alnifolia 'Hummingbird' IvRS Ilex verticillata 'Red Sprite'	Hummingbird Compact Summersweet Red Sprite Winterberry	73 26	2'-2.5' 5 gal.	B&B	9. Location, suppo 10. The Contractor
	IvSG Ilex verticillata 'Southern Gentleman' JcSG Juniperus chinensis 'Seagreen'	Male Winterberry Seagreen Juniper	2 27	5 gal. 5 gal.		888-344-7233. 11. The Contractor
X	Ros Rosa 'Knockout' SvP Svringa moveri 'Palihin'	Knockout Rose	17	5 gal.	B&B	12. Prior to any lan beds using a th
	Vc Vaccinium corymbosum 'Top Hat'	Vaccinium 'Top Hat'	7	3 gal	Bab	soluble saits, ai along with soil : the Landscape
	PERENNIALS, GROUNDCOVERS, VINES and ANNUALS					13. Contractor sha
	Symbol Botanical Name	Common Name	Quantity	Size	Comments	subsurface con attention of the
	Cal Calamagrostis acutifolia 'Karl Foerster' Day Hemerocallis 'Big Time Happy'	Feather Reed Grass Big Time Happy Daylily	54 84	1 gal 1 gal	3' O.C. 2' O.C.	correcting the p 14. The Contractor
	Hemerocallis 'Barbara Mitchell' Nep Nepeta faassenii x 'Walker's Low'	Barbara Mitchell Daylily Walker's Low Catmint	84 52	1 gal 1 gal	2' O.C. 2' O.C.	conditions simi the highest gra
	Oc Osmunda cinnamomea	Cinnamon Fern	860	1 gal	18" O.C.	American Stan 15. A complete list
						discrepancies 16. All plants shall 17. The Contracto
						18. Owner or Own the right of inst
						place of growth cover at the pla
				/		19. No substitution 20. All landscapin <u>c</u>
	N , \checkmark					a. Outside h b. An under
/ John Street	$\langle \mathcal{O} \rangle$					c. Atempor 21. If an automat
¥ {·}\	Th(3)		/			22. The contractor maintaining all
A man see	Th(3)					appropriately w site, should it n 23. All disturbed as
K Sint in	$\int \int \mathcal{P} O = Th(4)$	/				prepared to a c 24. Trees, around
						4" in length and Trees in lawn a
1 mil						25. Drip strip shall 26. In no case sha
V Sar						ball of any plan 27. Secondary late
No hours						clear and safe shall be raised 28. Snow shall be
I had	Bart L					29. Landscape Arc
	$\zeta \sim \zeta \sim$			T_{1}	ree Pla	inting
$- \frac{PpR}{L GG(15)}$	A start 2			_ 1		
- JcSG(15) $- Ros(10)$				Do not Prune c	: heavily prune the tree a	at planting. -dominant
Vc(7)	/ L Bagard /			leaders, and interior	twigs and lateral branch	es. Some es may be
\sim Ros(7)				pruned; howe buds of br	ever, Do NOT remove th ranches that extend to th	ne terminal ne edge of
$\int - JcSG(12)$					t	he crown.
PpR				Trees less	s than 3" in caliper shall I	be staked
$\frac{1}{N}$	1 VSG(2)	$\sim Th(3)$		with thre around the	trunk with 12 gauge wire	e. Plastic chment to
	Oc(206) A Barryson 1			trees Each marker 5'	wire shall be flagged wit	:h a visual s shall be
	Am2 - // M hart H			used to a driven a	anchor the wires. Stake t least 12" outside the er	s shall be dge of the
	S All mill			plantii staking N	ng pit into stable soil. Re O LATER than the end of	emove all
	A Read I				growing season after	r planting.
	$= Dav(10) \forall \forall \forall \forall \forall \forall \forall \forall \forall $			Ма	rk the north side of the t	tree in the
$ \underset{\text{Nep(10)}}{\overset{\text{Nep(10)}}{=} } $	-Cal(12)			nursery	Y. Rotate the tree to face the site whenever	e north at
110p(22)	$\int Day(28)$					
				4 in. high	earth saucer beyond ede	ge of root ball
	Nep(12)					
$\underbrace{SyP(5)}_{S_{1},P(5)} = \underbrace{SyP(5)}_{S_{2},P(5)}$	$\begin{array}{c} \searrow & \swarrow & \square & \square & \square & \square & \square \\ \hline & & & & \square \\ \hline & & & & & \square \\ \hline & & & & & \square \\ \hline & & & & & \square \\ \hline & & & & & \square \\ \hline & & & & & \square \\ \hline & & & & & \square \\ \hline & & & & & \square \\ \hline & & & & \square \\ \hline & & & & \square & & \square & & \square & \square & & \square & & \square & & \square & & \square \\ \hline & & & & \square \\ \hline & & & & \square & & \square & \square & \square & \square & \square & \square &$			2 IN	ax Mulch Do NOT alors	
$\frac{- Syr(S)}{UaP}$				∠ IN. Ma contact w weed	ith tree trunk. Maintain t	the mulch
SyP(16)					after	planting/
	$\sim \frac{Sur}{SvP(6)}$			Tamp so	il around root ball base f	firmly with
Day(28)	all(15)			foot p	ressure so that root ball	does not shift.
SyP(6)	$\Delta / Day(32)$					/
- Cal(13)				Place re	ot hall on uneveryeted a	or tamped
	I Am2 —			Flace for	or pair on unexcavated 0	soil.
$\rightarrow Day(20)$	Oc(302)	A I				
() $Day(18) -$	$\frac{Cl(28)}{4ml} \longrightarrow 1$					
			NOTES			
		\mathbf{K}			7/ 0.0	
			1.	THERE ARE	74 PARKING SPAC	.es as shown
$\overline{\Lambda}^{}\overline{\Lambda}$	-					
\prime \sim \prime \sim						
				0	30	60
				0	30	60
				0	30 SCALE: 1	60 ''' = 30'
				0	30 SCALE: 1	60 " = 30'





Description	Symbol	Avg	Мах	Min	Max/Min	Avg/I
Outside of Parking Lot	+	0.3 fc	15.2 fc	0.0 fc	N/A	N/A
Parking Lot	+	1.7 fc	6.3 fc	0.3 fc	21.0:1	5.7:

Schedule								
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename
	В	6	Sternberg Lighting	E260LED-FA-1RND45T5- -MDL03	Euro series E260 LED Bollard; mounted at 3ft	LED	1	E260LED-FA- 1RND45T5- MDL03.IES
	S3-B	2	Sternberg Lighting	A880SRLED-24L40T3- MDL014-BLOC	A880SRLED Town Square Series Caged Acorn, T3, BLOC	LED	1	A880SRLED- 24L40T3- MDL014- BLOC.IES
	S4	1	Sternberg Lighting	A880SRLED-24L40T4- MDL014	A880SRLED Town Square Series Caged Acorn, T4	LED	1	A880SRLED- 24L40T4- MDL014.IES
	S5	4	Sternberg Lighting	A880SRLED-24L40T5- MDL014	A880SRLED Town Square Series Caged Acorn, T5	LED	1	A880SRLED- 24L40T5- MDL014.IES
	W	2	Lithonia Lighting	WDGE1 LED P1 30K 80CRI VW	WDGE1 LED Wall Pack; mounted at 10ft	LED	1	WDGE1_LED_F _30K_80CRI_V W.ies

Ă	OF DISTURBANCE/STABILIZATION THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL THE AREA OF UNSTABILIZED SOIL EXCEED 5 ACRES AT ANY ONF TIMF BEFORE THE	PERMANENT VEGETATION
. А 1	AREA IS STABILIZED. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED: I. IN AREAS TO BE PAVED, BASE COURSE GRAVELS MEETING THE GRADATION REQUIREMENTS	A. SITE PREPARATION 1. REFER TO SITE PREPARATION FOR TEMPORARY B. SEED BED PREPARATION 1. DEFENDED DED DEPENDATION FOR TEMPO
2	OF NHDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2016, ITEM NO. 304.1 OR 304.2 HAVE BEEN INSTALLED; 2. IN AREAS NOT TO BE PAVED	 REFER TO SEED BED PREPARATION FOR TEMPO NOTES. WORK LIME AND FERTILIZER INTO THE SOIL AS NOULES WITH A DISC. SPRING TOOTH LADDOW
	2.A. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED; 2.B. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN	HARROWING OPERATION SHOULD BE ON THE GI REASONABLY UNIFORM, FINE SEEDBED IS PREP
	INSTALLED; 2.C. EROSION CONTROL BLANKETS HAVE BEEN INSTALLED IN ACCORDANCE WITH ENV-WQ 1506.03	COARSE SANDS SHOULD BE ROLLED TO FIRM ' 3. REMOVE FROM THE SURFACE ALL STONES 2 IN
D	DISTURBED AREAS SHALL BE TEMPORARILY STABILIZED WITHIN 45 DAYS AND PERMANENTLY STABILIZED NO LATER THAN 3 DAYS AFTER FINAL GRADING	ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TR OR OTHER UNSUITABLE MATERIAL.
SIC	ON CONTROL PRACTICES:	 INSPECT SEEDBED JUST BEFORE SEEDING. IF 1 AREA MUST BE TILLED AND FIRMED AS ABOVE.
N 1	NSTALLATION: I. INSTALL ALL EROSION CONTROLS AS SHOWN ON THE GRADING PLAN, TYPICAL DETAILS, AND	5. WHERE THE SOIL HAS BEEN COMPACTED BY C DEPTH OF 2 INCHES BEFORE APPLYING FERTIL
	IN CONFORMANCE WITH THE EROSION AND SEDIMENT CONTROL NOTES ON THIS PAGE. MANUFACTURER'S SPECIFICATIONS SHALL BE FOLLOWED.	(EQUIVALENT TO 50 PERCENT CALCIUM PLUS N PER ACRE
	 INSPECTION: INSPECT ALL EROSION CONTROLS WEEKLY AND AFTER EVERY RAIN EVENT OF 0.5 INCHES OR GREATER LINEESS OTHERWISE NOTED 	C. SEEDING 1. UNLESS OTHERWISE NOTED, GRASS SEED MIXTU
2	2. TEMPORARY STABILIZATION PRACTICES SHALL BE INSPECTED ONCE PER WEEK DURING CONSTRUCTION UNTIL EXPOSED SURFACES ARE STABILIZED.	2. APPLY SEED UNIFORMLY BY HAND, CYCLONE S
0 ₩ 1	AANY SIGNS OF RILL OR GULLY EROSION SHALL BE IMMEDIATELY REPAIRED. MAINTENANCE: I. MAINTAIN EROSION CONTROLS PER THE TYPICAL DETAILS AND IN CONFORMANCE WITH THE	14 TO 1/2 INCH. HYDROSEEDING THAT INCLUDE: SEEDING OPERATIONS SHOULD BE ON THE COL
R	EROSION AND SEDIMENT CONTROL NOTES ON THIS PAGE. REMOVAL	3. WHERE FEASIBLE, EXCEPT WHERE EITHER A CU USED, THE SEEDBED SHOULD BE FIRMED FOLL
1	I. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE 85% VEGETATIVE COVER HAS BEEN ESTABLISHED. 2. AFTER REMOVAL ALL DISTURBED AREAS SHALL BE REGRADED FERTILIZED AND RESERDED.	OR LIGHT DRAG. 4. WHEN HYDROSEEDING (HYDRAULIC APPLICATION) ABOVE OR BY HAND BAKING TO LOOSEN AND
2	MONITOR TO ENSURE VEGETATIVE GROWTH IS ESTABLISHED AND REPAIR AS NEEDED UNTIL MINIMUM OF 85% VEGETATIVE COVER IS ESTABLISHED.	STONES LARGER THAN 2 INCHES IN DIAMETER. 5. SLOPES MUST BE NO STEEPER THAN 2 TO 1.
<u>)</u>	WEATHER SITE STABILIZATION	6. LIME AND FERTILIZER MAY BE APPLIED SIMULT/ FIBER MULCH ON CRITICAL AREAS IS NOT REC
T	TO ADEQUATELY PROTECT WATER QUALITY DURING COLD WEATHER AND DURING SPRING	STRAW OR HAY). BETTER PROTECTION IS GAINE WITH ADHESIVE MATERIALS OR 500 POUNDS PI
E S	EMPLOYED DURING THE PERIOD FROM OCTOBER 15 THROUGH MAY 1. SUBJECT TO (C), BELOW. THE AREA OF FXPOSED UNSTABILIZED SOIL SHALL BE	7. SEEDING RATES MUST BE INCREASED 10% WHE 8. TEMPORARY SEEDING SHALL OCCUR PRIOR TO
1	1. LIMITED TO ONE ACRE; AND 2. PROTECTED AGAINST EROSION BY THE METHODS DESCRIBED IN THIS SECTION PRIOR TO	9. AREAS SEEDED BETWEEN MAY 15TH AND AUGU STRAW MULCH MEFTING THE FOLLOWING CRITER
TF	ANY THAW OR SPRING MELT EVENT. THE ALLOWABLE AREA OF EXPOSED SOIL MAY BE INCREASED IF A WINTER CONSTRUCTION PLAN IS DEVELOPED BY A OLIVITED FOR INFER OF A CRESC SPECIALIST AND SUBMITTED TO	9.A. HAY AND STRAW MULCHES SHALL BE AND SO THAT THEY ARE NOT BLOWN AWAY BY
'T S	THE DEPARTMENT FOR APPROVAL AS A REQUEST TO WAIVE THE ONE-ACRE LIMIT. SUBJECT TO (F) AND (G). BELOW. ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF	9.A. MULCH MATERIALS SHALL BE SELECTED B AND TIME OF YEAR; 9.B. HAY OR STRAW MULCH SHALL BE APPLIED
L 1	LESS THAN 15% THAT DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR THAT ARE DISTURBED AFTER OCTOBER 15, SHALL BE SEEDED AND COVERED WITH 3	EQUIVALENT TO 70 TO 90 POUNDS PER 10. IF VEGETATED GROWTH COVERING AT LEAST 85
T	TO 4 TONS OF HAY OR STRAW MULCH PER ACRE SECURED WITH ANCHORED NETTING OR TACKIFIER OR WITH AT LEAST 2 INCHES OF EROSION CONTROL MIX MEETING THE CRITERIA OF	IS NOT ACHIEVED PRIOR TO OCTOBER 15TH, O METHODS SHALL BE IMPLEMENTED.
E S C	SUBJECT TO (F) AND (G), BELOW, ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF 15% OR GREATER THAT DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15.	 D. MAINTENANCE 1. PERMANENTLY SEEDED AREAS SHOULD BE INSF 2. MOW SEEDED AREAS AS NECESSARY.
0 P	DR THAT ARE DISTURBED AFTER OCTOBER 15, SHALL BE SEEDED AND COVERED WITH A PROPERLY INSTALLED AND ANCHORED EROSION CONTROL BLANKET OR WITH AT LEAST 4	3. BASED ON INSPECTION, AREAS SHOULD BE RE OF THE SOIL SURFACE IS COVERED BY VEGETA
IN A ₄	NCHES OF EROSION CONTROL MIX MEETING THE CRITERIA OF ENV-WQ 1506.05(B). ANCHORED HAY MULCH OR EROSION CONTROL MIX THAT MEETS THE CRITERIA OF ENV-WQ	
13 E IN	EROSION CONTROL BLANKETS SHALL NOT BE INSTALLED OVER SNOW GREATER THAN ONE INCH IN DEPTH. IN DEPTH OR ON FROZEN GROUND.	MULCHING & EROSION CONTROL MATTING A. GENERAL
A C	ALL PROPOSED STABILIZATION IN ACCORDANCE WITH (D) OR (E), ABOVE, SHALL BE COMPLETED WITHIN A DAY OF ESTABLISHING THE GRADE THAT IS FINAL OR THAT OTHERWISE	APPLY PRIOR TO A STORM EVENT. CLOSELY M WARNING OF SIGNIFICANT STORMS. MULCHING WITHIN A SPECIFIED TIME PERIOD FRO
W A	MILL EXIST FOR MORE THAN 5 DAYS. ALL DITCHES OR SWALES THAT DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY	2.A. WITHIN 100 FEET OF WETLANDS THE TIME
n		DAYS.
C T F	TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN TLOW CONDITIONS, AS DETERMINED BY THE OWNER'S ENGINEERING CONSULTANT.	DAYS. 2.B. IN OTHER AREAS IT SHALL BE NO GREAT 3. MULCH MATERIALS SHALL BE SELECTED BASED
C T F A T	TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN TLOW CONDITIONS, AS DETERMINED BY THE OWNER'S ENGINEERING CONSULTANT. AFTER OCTOBER 15, INCOMPLETE ROAD OR PARKING AREAS WHERE ACTIVE CONSTRUCTION OF THE ROAD OR PARKING AREA HAS STOPPED FOR THE WINTER SEASON SHALL BE PROTECTED	DAYS. 2.B. IN OTHER AREAS IT SHALL BE NO GREAT 3. MULCH MATERIALS SHALL BE SELECTED BASED YEAR. B. TEMPORARY MULCHING 1. HAY OR STRAW MULCHES
CTFATWR2	TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS, AS DETERMINED BY THE OWNER'S ENGINEERING CONSULTANT. AFTER OCTOBER 15, INCOMPLETE ROAD OR PARKING AREAS WHERE ACTIVE CONSTRUCTION OF THE ROAD OR PARKING AREA HAS STOPPED FOR THE WINTER SEASON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE GRAVELS MEETING THE GRADATION REQUIREMENTS OF NHDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2016. TABLE 304-1, ITEM NO. 304.1, 304.2, OR 304.3, AVAILABLE AS NOTED IN APPENDIX B.	DAYS. 2.B. IN OTHER AREAS IT SHALL BE NO GREATI 3. MULCH MATERIALS SHALL BE SELECTED BASED YEAR. B. TEMPORARY MULCHING 1. HAY OR STRAW MULCHES 1.A. ORGANIC MULCHES INCLUDING HAY AND S UNDESIRABLE SEEDS AND COARSE MATERI
CTFATWR2	DETOBER 15, OR THAT ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS, AS DETERMINED BY THE OWNER'S ENGINEERING CONSULTANT. AFTER OCTOBER 15, INCOMPLETE ROAD OR PARKING AREAS WHERE ACTIVE CONSTRUCTION OF THE ROAD OR PARKING AREA HAS STOPPED FOR THE WINTER SEASON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE GRAVELS MEETING THE GRADATION REQUIREMENTS OF NHDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2016, TABLE 304-1, ITEM NO. 304.1, 304.2, OR 304.3, AVAILABLE AS NOTED IN APPENDIX B.	DAYS. 2.B. IN OTHER AREAS IT SHALL BE NO GREATI 3. MULCH MATERIALS SHALL BE SELECTED BASED YEAR. B. TEMPORARY MULCHING 1. HAY OR STRAW MULCHES 1.A. ORGANIC MULCHES INCLUDING HAY AND S UNDESIRABLE SEEDS AND COARSE MATERI 1.B. APPLICATION RATE SHALL BE 2 BALES/1, TONS/ACRE TO COVER 75–90% OF THE
C F A T W R 2	DCTOBER 15, OR THAT ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS, AS DETERMINED BY THE OWNER'S ENGINEERING CONSULTANT. AFTER OCTOBER 15, INCOMPLETE ROAD OR PARKING AREAS WHERE ACTIVE CONSTRUCTION OF THE ROAD OR PARKING AREA HAS STOPPED FOR THE WINTER SEASON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE GRAVELS MEETING THE GRADATION REQUIREMENTS OF NHDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2016, TABLE 304-1, ITEM NO. 304.1, 304.2, OR 304.3, AVAILABLE AS NOTED IN APPENDIX B.	DAYS. 2.B. IN OTHER AREAS IT SHALL BE NO GREATE 3. MULCH MATERIALS SHALL BE SELECTED BASED I YEAR. B. TEMPORARY MULCHING 1. HAY OR STRAW MULCHES 1.A. ORGANIC MULCHES INCLUDING HAY AND S UNDESIRABLE SEEDS AND COARSE MATERI 1.B. APPLICATION RATE SHALL BE 2 BALES/1, TONS/ACRE TO COVER 75–90% OF THE 1.C. ANCHORING SHALL BE ONE OF THE FOLLI 1.C.1. NETTING SHALL BE JUTE, WOOD F INSTALLED PER MANUEACTURER'S
C T F A T W R 2 PO S 1 2	DETOBER 15, OR THAT ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS, AS DETERMINED BY THE OWNER'S ENGINEERING CONSULTANT. AFTER OCTOBER 15, INCOMPLETE ROAD OR PARKING AREAS WHERE ACTIVE CONSTRUCTION OF THE ROAD OR PARKING AREA HAS STOPPED FOR THE WINTER SEASON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE GRAVELS MEETING THE GRADATION REQUIREMENTS OF NHDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2016, TABLE 304-1, ITEM NO. 304.1, 304.2, OR 304.3, AVAILABLE AS NOTED IN APPENDIX B. DRARY VEGETATION I. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SPECIFIED ABOVE. 2. ENSURE RUNOFF IS DIVERTED FROM SEEDED AREA.	DAYS. 2.B. IN OTHER AREAS IT SHALL BE NO GREATE 3. MULCH MATERIALS SHALL BE SELECTED BASED IN YEAR. B. TEMPORARY MULCHING 1. HAY OR STRAW MULCHES 1.A. ORGANIC MULCHES INCLUDING HAY AND S UNDESIRABLE SEEDS AND COARSE MATERI 1.B. APPLICATION RATE SHALL BE 2 BALES/1, TONS/ACRE TO COVER 75–90% OF THE 1.C. ANCHORING SHALL BE ONE OF THE FOLLI 1.C.1. NETTING SHALL BE JUTE, WOOD F INSTALLED PER MANUFACTURER'S 1.C.2. TACKIFIER: APPLY POLYMER OR O MULCH. APPLY PER MANUFACTURE
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CTFAT¥R2 Q S123 S12 3 S1 2 3 4 5 №1	DUDBER 15, UM HAT ARE DISTORED AF LEV OUTDER 15, SHALL BE STABILIZED THE OKINES, AS DETERMINED BY THE OWNER'S APROPRIATE FOR THE DESIGN LOW CONDITIONS, AS DETERMINED BY THE OWNER'S ENGINEERING CONSULTANT. AFTER OCTOBER 15, INCOMPLETE ROAD OR PARKING REAS'S WHERE ACTIVE CONSTRUCTION OF HE ROAD OR PARKING AREA HAS STOPPED FOR THE WITTEN SEASON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAFER OF BASE COURSE GRAVEL'S MEETING THE GRADATION 4EQUIREMENTS OF NHOOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2016, TABLE 304-1, ITEM NO. 304.1, 304.2, OR 304.3, AVAILABLE AS NOTED IN APPENDIX B. 2016, TABLE 304-1, ITEM NO. 304.1, 304.2, OR 304.3, AVAILABLE AS NOTED IN APPENDIX B. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SPECIFIED ABOVE. 2. INSURE RUNOFF IS DUPERTED FROM SEEDED AREA. 3. ON SLOPES OF 4:10 RSTEEPER, CREATE HORIZONTAL GROOVES PERPENDICULAR TO THE DIRECTION OF THE SLOPE TO CATCH SEED AND REDUCE RUNOFF. 3. ON SLOPES OF 4:10 RSTEEPER, CREATE HORIZONTAL GROOVES PERPENDICULAR TO THE DIRECTION OF THE SLOPE TO CATCH SEED AND REDUCE RUNOFF. 3. ON SLOPED AND TRASH FROM AREA TO BE SEEDED. 3. COMPACTED SOL SHALL BE LODGENED TO A DEPTH OF 2 INCHES BEFORE APPLYING 4. FERTULZER, LIME, AND SEED. 3. APPLY FERTULIZER AT A RATE OF 600 LBS PER ACRE OF 10-10-10. APPLY LIMESTONE (EQUIVALENT TO SO PERCENT CALGIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE. 3. SEED FROM APPLICATION DATE MIXTURE TYPE QUANTITY (Lb./Ac.) 5. SEED FROM A PPLICATION DATE MIXTURE TYPE 40 5. APPLY SEED WING RECOMMENDATIONS 3. SEED FROM THE FOLLOWING RECOMMENDATIONS 3. CHAR OF 1. BY15 TO 9/15 WINTER RYE 112 3. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER 7. FAIL 8/15 TO 9/15 WINTER RYE 112 3. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER 7. GR MYDROSEEDER (SUURY INCLUDING SEED AND FERTILIZER). NORMAL SEEDING DEPTH IS 7. FORM ½ TO ½, INCH. HYDROSEEDING THAT INCLUDES SUUCH MAY BE LEFT ON SOIL 3. URFACE. SEEDING SHALL DE CYCLED MAD FERTILIZ	 DAYS. 2.B. IN OTHER AREAS IT SHALL BE NO GREAT 3. MULCH MATERIALS SHALL BE SELECTED BASED I YEAR. B. TEMPORARY MULCHING 1. HAY OR STRAW MULCHES INCLUDING HAY AND S UNDESIRABLE SEEDS AND COARSE MATERI 1.B. APPLICATION RATE SHALL BE 2 BALES/1, TONS/ACRE TO COVER 75–900 OF THE '0' 1.C. ANCHORING SHALL BE ONE OF THE FOLL' 1.C.1. NETTING SHALL BE ONE OF THE FOLL' 1.C.2. TACKIFIER: APPLY POLYMER OR OI MULCH. APPLY PER MANUFACTURE RS' 1.C.2. TACKIFIER: APPLY POLYMER OR OI MULCH. APPLICATION: APPLY TO A DEPTH APPLICATION RATE. NOTE THAT IF SEEDIN REMOVED AND THE AREA SEEDED AND ML 1.D. WINTER APPLICATION: APPLY TO A DEPTH APPLICATION RATE. NOTE THAT IF SEEDIN REMOVED AND THE AREA SEEDED AND ML 1.E. MAINTENANCE 1.E.1. INSPECT PERIODICALLY AND AFTER OF MULCH. REPAR AS NECESSARY VEGETATIVE COVER IS ESTABLISHEI 2. EROSION CONTROL BLANKET OR MATTING 2.A. REFER TO PLANS FOR TYPICAL EROSION (MANUFACTURERS SPECIFICATIONS. 2.B. APPLICATION AND TIMING 2.B.1. DURING THE GROWING SEASON (AF BASE OF GRASSED WATERWAYS, S'DISTURBED SOLL WITHIN 100 FEET 2.B.2. DURING THE LATE FALL AND WINTE ADDITION TO THOSE LISTED ABOVE WATERWAYS AND MODERATE SLOPE 3. MAINTENANCE 3.A. INSPECT PERIODICALLY AND BEFORE AND WITH THE SOLL UNTIL 85% VEGETATIVE CC AS NECESSARY. C. PERMANENT MULCHING 1. WOOD CHIPS OR GROUND BARK 1.A. APPLY TO A THICKNESS OF 2 TO 6 INCH TONS/ACRE OR 460–920 POUNDS/1,000 1.B. MAINTENANCE: INSPECT ANNUALLY BAD AF A 24 HOUR PERIOD. REPAR/REPLACE AN WITH THE SOLL UNTIL 85% VEGETATIVE CC AS NECESSARY. C. PERMANENT MULCHING 2.B.3. THE ORGANIC MATTER CONTENT SHALL 2.B.2. PARTICLE SIZE BY WEIGHT SHOULD 90–100% PASSING TH 2.B.1. ORGANIC MATTER CONTENT SHALL 2.B.2. PARTICLE SIZE BY WEIGHT SHOULD 90–100% PASSING TH 2.B.3. THE ORGANIC MATTER CONTENT SHALL BE AS F 2.B.1. ORGANIC MATTER CONTENT SHALL 2.B.3. THE

AT A MINIMUM, 85% OF THE SOIL SURFACE SHOULD BE COVERED BY VEGETATION. 4. IF ANY EVIDENCE OF EROSION OR SEDIMENTATION IS APPARENT, REPAIRS SHOULD BE

ESTABLISHMENT.

MADE AND AREAS SHOULD BE RESEEDED, WITH OTHER TEMPORARY MEASURES (E.G., MULCH) USED TO PROVIDE EROSION PROTECTION DURING THE PERIOD OF VEGETATION

ON FOR TEMPORARY SEEDING.

PARATION FOR TEMPORARY SEEDING IN CONJUNCTION WITH THESE

- ER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 ING TOOTH HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL OULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A SEEDBED IS PREPARED. ALL BUT CLAY OR SILTY SOILS AND ROLLED TO FIRM THE SEEDBED WHEREVER FEASIBLE.
- CE ALL STONES 2 INCHES OR LARGER IN ANY DIMENSION. REMOVE AS WIRE, CABLE, TREE ROOTS, CONCRETE, CLODS, LUMPS, TRASH FORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED; THE
- IN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO A RE APPLYING FERTILIZER, LIME AND SEED. ATE OF 600 LBS PER ACRE OF 10-10-10. APPLY LIMESTONE ENT CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS
- GRASS SEED MIXTURE 'C' SHALL BE APPLIED AT THE SPECIFIED SEED MIXTURES FOR PERMANENT VEGETATION' TABLE. BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR CLUDING SEED AND FERTILIZER). NORMAL SEEDING DEPTH IS FROM DING THAT INCLUDES MULCH MAY BE LEFT ON SOIL SURFACE.
- ULD BE ON THE CONTOUR. WHERE EITHER A CULTIPACKER TYPE SEEDER OR HYDROSEEDER IS JLD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER,
- DRAULIC APPLICATION), PREPARE THE SEEDBED AS SPECIFIED NG TO LOOSEN AND SMOOTH THE SOIL AND TO REMOVE SURFACE
- BE APPLIED SIMULTANEOUSLY WITH THE SEED. THE USE OF AREAS IS NOT RECOMMENDED (UNLESS IT IS USED TO HOLD PROTECTION IS GAINED BY USING STRAW MULCH AND HOLDING IT OR 500 POUNDS PER ACRE OF WOOD FIBER MULCH. INCREASED 10% WHEN HYDROSEEDING.
- OCCUR PRIOR TO SEPTEMBER 15TH IN THE YEAR IN WHICH THE MAY 15TH AND AUGUST 15TH SHALL BE COVERED WITH HAY OR E FOLLOWING CRITERIA:
- CHES SHALL BE ANCHORED WITH MULCH NETTING OR TACKIFIER NOT BLOWN AWAY BY WIND OR WASHED AWAY BY FLOWING WATER; IALL BE SELECTED BASED UPON SOILS, SLOPE, FLOW CONDITIONS,
- CH SHALL BE APPLIED AT A RATE OF 1.5 TO 2 TONS PER ACRE, 0 90 POUNDS PER 1,000 SQUARE FEET; ERING AT LEAST 85% OF THE DISTURBED AREA
- TO OCTOBER 15TH, ONE OR MORE ADDITIONAL EROSION CONTROL
- EAS SHOULD BE INSPECTED MONTHLY. REAS SHOULD BE REPAIRED AND/OR RESEEDED TO ENSURE 85%
- COVERED BY VEGETATION.
- EVENT. CLOSELY MONITOR THE WEATHER TO HAVE ADEQUATE
- IED TIME PERIOD FROM ORIGINAL SOIL EXPOSURE WETLANDS THE TIME PERIOD SHOULD BE NO GREATER THAN 7
- HALL BE NO GREATER THAN 14 DAYS. SELECTED BASED UPON SOILS, FLOW CONDITIONS, AND TIME OF
- ICLUDING HAY AND STRAW SHALL BE AIR-DRIED, FREE OF AND COARSE MATERIALS.
- HALL BE 2 BALES/1,000 SF (70-90 POUNDS) OR 1.5-2.0 ER 75–90% OF THE GROUND. ONE OF THE FOLLOWING . BE JUTE, WOOD FIBER, OR BIODEGRADABLE PLASTIC NETTING
- R MANUFACTURER'S SPECIFICATIONS. PPLY POLYMER OR ORGANIC TACKIFIER TO ANCHOR HAY OR STRAW PLY PER MANUFACTURER'S SPECIFICATIONS. TYPICAL APPLICATION 0-60 LBS/ACRE FOR POLYMER MATERIAL AND 80-120 LBS/ACRE
- APPLY TO A DEPTH OF 4 INCHES OR DOUBLE THE ABOVE LISTED NOTE THAT IF SEEDING IS NECESSARY, MULCH WILL NEED TO BE REA SEEDED AND MULCHED IN THE SPRING.
- DDICALLY AND AFTER RAIN STORMS FOR RILLS OR DISPLACEMENT EPAIR AS NECESSARY. CONTINUE INSPECTIONS UNTIL 85% OVER IS ESTABLISHED.
- TYPICAL EROSION CONTROL MATTING DETAIL. INSTALL PER
- GROWING SEASON (APRIL 15 SEPTEMBER 15) USE ON THE SSED WATERWAYS, STEEP SLOPES (15% OR GREATER), ANY DIL WITHIN 100 FEET OF LAKES, STREAMS, AND WETLANDS. ATE FALL AND WINTER (SEPTEMBER 15 – APRIL 15) IN THOSE LISTED ABOVE USE ON SIDE SLOPES OF GRASSED AND MODERATE SLOPES (GREATER THAN 8%).
- LY AND BEFORE AND AFTER STORM EVENTS TO ENSURE CONTACT 85% VEGETATIVE COVER IS ESTABLISHED. REPAIR AND RESTAPLE
- ESS OF 2 TO 6 INCHES. APPLICATION RATES ARE 10-20 -920 POUNDS/1,000 SF.
- T ANNUALLY AND AFTER RAIN EVENTS OF 2.5 INCHES OR MORE IN REPAIR/REPLACE AS NECESSARY. A THICKNESS OF 2 INCHES OR MORE FOR MULCHING.
- MIX SHALL BE AS FOLLOWS: TER CONTENT SHALL BE BETWEEN 25-65% DRY WEIGHT BASIS. BY WEIGHT SHOULD BE 100% PASSING THE 3" SCREEN,
- SING THE 1" SCREEN, 70-100% PASSING THE 0.75 INCH 30-75% PASSING THE 0.25 INCH SCREEN. PORTION SHALL BE ELONGATED AND FIBROUS SUCH AS FROM RK, STUMP GRINDINGS, COMPOSTED BARK, OR EQUIVALENT
- D PRODUCTS. IT SHALL NOT CONTAIN WOOD AND BARK CHIPS, STRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS. LL NOT CONTAIN SILTS, CLAYS, OR FINE SANDS.
- TS CONTENT SHALL BE < 4.0MMHOS/CM AND A pH OF 5.0-8.0, ALONG A LEVEL CONTOUR. BERM MUST BE A MINIMUM OF 12"
- UPHILL SIDE AND 2 FEET WIDE. UPSLOPE AREA MUST HAVE A T PERIODICALLY AND AUGMENT AS NEEDED TO MAINTAIN INITIAL
- E IF NO LONGER FUNCTIONING AS INTENDED.

- SOIL STOCKPILES
- A. GENERAL STOCKPILES MUST BE LOCATED 50 FEET FROM DITCHES AND CULVERT INLETS.
- PROTECTION OF STOCKPILES PROTECT SOIL AND AGGREGATE STOCKPILES WITH TEMPORARY PERIMETER
- SEDIMENT BARRIER SUCH AS SILT FENCE OR SILT SOCK. COVER ACTIVE STOCKPILES WITH ANCHORED PROTECTIVE COVERING PRIOR
- TO EXPECTED STORM EVENTS.
- INACTIVE STOCKPILES SHALL BE COVERED WITH ANCHORED TARPS OR TEMPORARILY SEEDED AND MULCHED PER THE TEMPORARY VEGETATION AND MULCHING NOTES ON THIS PAGE.
- STOCKPILES THAT ARE A SOURCE OF DUST SHALL BE COVERED. 4.

DUST CONTROL A. DUST SHALL BE CONTROLLED ON SITE DURING CONSTRUCTION BY IMPLEMENTING THE FOLLOWING DUST CONTROL MEASURES MULCHING AND VEGETATIVE COVER TO REDUCE DUST.

MECHANICAL SWEEPERS AND FINE WATER SPRAYS. COVER SURFACES WITH CRUSHED STONE OR COARSE GRAVEL.

SEED MIXTURE SELECTION BASED ON SOIL TYPE						
SOIL DRAINAGE						
SEEDING	DROUGHTY	WELL	MODERATELY			
MIXTURE		DRAINED	WELL DRAINED			
A	FAIR	GOOD	GOOD			
B	POOR	GOOD	FAIR			
C	POOR	GOOD	EXCELLENT			
D	FAIR	EXCELLENT	EXCELLENT			
A	GOOD	GOOD	GOOD			
C	GOOD	EXCELLENT	EXCELLENT			
A	GOOD	GOOD	GOOD			
B	GOOD	GOOD	FAIR			
C	GOOD	EXCELLENT	EXCELLENT			
E	FAIR	EXCELLENT	EXCELLENT			
F	FAIR	EXCELLENT	EXCELLENT			
	AIXTURE SELECTIONS SEEDING MIXTURE A B C D A C C A B C C E F	A FAIR MIXTURE DROUGHTY A FAIR B POOR C POOR D FAIR A GOOD C GOOD C GOOD C GOOD C GOOD C GOOD E FAIR F FAIR	MIXTURE SELECTION BASED ON SOIL TYPE SEEDING DROUGHTY WELL DRAINAGE MIXTURE DROUGHTY WELL DRAINED A FAIR GOOD B POOR GOOD C POOR GOOD D FAIR EXCELLENT A GOOD GOOD C GOOD GOOD B GOOD GOOD C GOOD EXCELLENT A GOOD GOOD B GOOD EXCELLENT A GOOD EXCELLENT E FAIR EXCELLENT E FAIR EXCELLENT F FAIR EXCELLENT			

NOTE: POORLY DRAINED SOILS ARE NOT DESIRABLE FOR USE AS PLAYING AREAS AND ATHLETIC FIELDS.

SEED MIXTURES FOR PERMANENT VEGETATION					
MIXTURE	SPECIES	POUNDS PER ACRE	POUNDS PER 1,000 SF		
A	TALL FESCUE	20	0.45		
	CREEPING RED FESCUE	20	0.45		
	<u>REDTOP</u>	2	<u>0.05</u>		
	TOTAL	42	0.95		
В	TALL FESCUE	15	0.35		
	CREEPING RED FESCUE	10	0.25		
	CROWN VETCH	15	0.35		
	OR	-	-		
	<u>FLATPEA</u>	<u>30</u>	0.75		
	<i>TOTAL</i>	40 OR 55	0.95 OR 1.35		
С	TALL FESCUE	20	0.45		
	CREEPING RED FESCUE	20	0.45		
	<u>BIRDSFOOT TREFOIL</u>	<u>8</u>	<u>0.20</u>		
	TOTAL	4 8	1.10		
D	TALL FESCUE	20	0.45		
	<u>FLATPEA</u>	<u>30</u>	<u>0.75</u>		
	TOTAL	50	1.20		
E	CREPPING RED FESCUE	50	1.15		
	<u>KENTUCKY BLUEGRASS</u>	<u>50</u>	<u>1.15</u>		
	TOTAL	100	2.30		
F	TALL FESCUE	150	3.60		



CROSS-SECTION



1. ALL COMPOST MATERIAL TO MEET MANUFACTURES SPECIFICATIONS. 2. FILTER SOCKS SHOULD BE INSTALLED FOLLOWING EXISTING CONTOURS.

COMPOST FILTER SOCK DETAIL

N.T.S.

- CONSTRUCTION SEQUENCING:
- OF CONSTRUCTION. INSTALL PERIMETER CONTROLS PRIOR TO ALL EARTHMOVING WORK. CLEAR/GRUB
- STOCKPILES
- A. STOCKPILE LOAM FOR RE-USE AS NEEDED. B. TEMPORARILY STABILIZE LOAM STOCKPILES WITH:
- FACILITIES AS LISTED ABOVE.
- SEDIMENT TRAP DETAIL TO THEM.
- 10. PARKING LOT CONSTRUCTION A. CUTS AND FILLS:
 - 2. FILLS:
- DRAINAGE AND UTILITY STRUCTURES
- EROSION CONTROL NOTES ON THIS SHEET.

ADDITIONAL NOTES: 1. NO FUEL SHALL BE STORED ON SITE DURING CONSTRUCTION. SHALL BE REMOVED BY THE CONTRACTOR. APPLIED FOR AND RECEIVED.

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SEDIMENT FILTEI

CATCH BASIN —

SCHEDULE A PRE-CONSTRUCTION MEETING WITH CITY OFFICIALS, OWNER, AND CONTRACTORS IF REQUIRED BY THE CONDITIONS OF APPROVAL PRIOR TO BEGINNING CONSTRUCTION. 2. CONTACT DIG-SAFE, INDIVIDUAL UTILITIES, AND CITY DEPARTMENTS TO GET ALL UTILITIES MARKED PRIOR TO START

CLEAR/GRUB ONLY WITHIN THE LIMITS OF GRADING AS SHOWN ON THE PLANS. REMOVE ORGANICS ONLY FROM THOSÉ AREAS THAT CAN BE WORKED AND STABILIZED WITHIN 45 DAYS OF REMOVAL. THE PROJECT IS TO BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES ..

A. STUMPS MAY BE DISPOSED ON-SITE IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.

WINTER RYE GRASS- PRIOR TO SEPTEMBER 15TH MULCH- FROM SEPTEMBER 15TH TO MAY 1ST

CONSTRUCT AND STABILIZE ALL TEMPORARY AND PERMANENT SEDIMENT, EROSION, AND STORMWATER CONTROL THESE SHALL BE INSTALLED BEFORE ANY MAJOR EARTH MOVING OPERATIONS.

RUNOFF MUST BE DIRECTED TO TEMPORARY PRACTICES UNTIL STORMWATER BMPS ARE STABILIZED. REFER TO STORMWATER PONDS, INFILTRATION BASINS, AND SWALES MUST BE STABILIZED PRIOR TO DIRECTING RUNOFF REFER TO INDIVIDUAL DETAILS FOR CONSTRUCTION REQUIREMENTS.

1. CONSTRUCT IN LOCATIONS AND TO GRADES AS SHOWN ON THE PLANS.

A. PLACE MAXIMUM 12" LIFTS AND COMPACT TO 95% MAXIMUM DRY DENSITY. B. ALL MATERIAL BASED ON PROCTOR TEST SHALL BE FREE OF DELETERIOUS MATERIALS SUCH AS LOAM, STUMPS, BRUSH, AND ROCKS LARGER THAN 3/4 THE DEPTH OF THE LIFT BEING PLACED. LOAM AND SEED SLOPES WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.

INSTALL AS SHOWN IN ACCORDANCE WITH DETAILS AND DRY STABILIZE.

BASE MATERIALS: BANK RUN AND CRUSHED GRAVEL SHALL BE PLACED IN 6" LIFTS AND COMPACTED TO 95% MAXIMUM DRY DENSITY TO THE DEPTHS SPECIFIED IN THE PARKING LOTS CROSS-SECTION DETAILS. STABILIZE ALL PARKING AREAS WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE. 11. INSPECT, MAINTAIN, AND IF NECESSARY, REPAIR ALL EROSION AND SEDIMENT CONTROL MEASURES AS STATED IN 12. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES ONCE INITIAL GROWTH IS ESTABLISHED.

2. DURING CONSTRUCTION DUST SHALL BE PREVENTED FROM BECOMING A SAFETY OR HEALTH HAZARD BY THE IMPLEMENTATION OF ACCEPTED CONTROL METHODS SUCH AS WATERING. 3. ALL CONSTRUCTION MATERIALS THAT ARE SPILLED OR DEPOSITED ON THE PUBLIC ROADWAYS 4. DO NOT BEGIN CONSTRUCTION UNTIL ALL LOCAL, STATE, AND FEDERAL PERMITS HAVE BEEN 5. THE GENERAL CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE SITE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.

> PROVAL BY DURHAM PLANNING BOARD. BY MICHAEL BEHRENDT, TOWN PLANNER



NOTES

- 1. SEDIMENT FILTER TRAP SHALL BE ACF REGULAR FLOW SILTSACK OR APPROVED EQUAL 2. FILTERS SHALL BE INSPECTED AFTER EVERY RAIN EVENT OF 0.25" OR GREATER AND SEDIMENTS SHALL BE REMOVED FROM TRAP WHEN SEDIMENT HAS REACHED TWO THIRDS OF THE DEPTH OF THE TRAP, OR IF PONDING OF WATER
- AT SURFACE BEGINS TO OCCUR. DO NOT PUNCTURE FILTER TRAP TO MITIGATE PONDING.

CATCH BASIN SEDIMENT FILTER DETAIL N.T.S.

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FINAL APPROVAL BY DURHAM PLANNING BOARD. CERTIFIED BY MICHAEL BEHRENDT, TOWN PLANNER CERTIFIED

DATE

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1 FIRST FLOOR PLAN 3/32" = 1'-0"

BW2 LLC C/o - HINEC

CLIENT:

BAGDAD WOODS ADDITION

PROJECT:

FIRST FLOOR PLAN

DRAWING NUMBER:

DRAWING NAME:

NORTH:

1 SECOND FLOOR PLAN 3/32" = 1'-0"

SD-07

BW2 LLC C/o - HINEC

CLIENT:

BAGDAD WOODS ADDITION

PROJECT:

SECOND FLOOR PLAN

DRAWING NUMBER:

DRAWING NAME:

PROJECT NUMBER: 19.12 DATE: MAY 2020 SCALE: AS INDICATED -----REVISION:

NORTH:

BW2 LLC C/o - HINEC

CLIENT:

PROJECT: **BAGDAD WOODS** ADDITION

THIRD FLOOR

DRAWING NUMBER:

DRAWING NAME:

PROJECT NUMBER: DATE: SCALE: AS INDICATED -REVISION:

BW2 LLC C/o - HINEC

CLIENT:

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PROJECT: **BAGDAD WOODS** ADDITION

DRAWING NAME: PROJECT NUMBER: NORTH: 19.12 **ROOF PLAN** DATE: MAY 2020 SCALE: DRAWING NUMBER: AS INDICATED REVISION:

BAGDAD WOODS ADDITION

PROJECT:

PROJECT NUMBER: NORTH: 19.12 DATE: MAY 2020 SCALE: AS INDICATED -----

REVISION:

SD-06

BAGDAD WOODS ADDITION

PROJECT:

ELEVATIONS - SOUTH & NORTH-EAST

DRAWING NAME:

DRAWING NUMBER:

PROJECT NUMBER: NORTH: 19.12 DATE: MAY 2020 SCALE: AS INDICATED -----

REVISION:

SD-07

1 WEST ELEVATION (PART) 3/32" = 1'-0"

BW2 LLC C/o - HINEC

CLIENT:

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2 SOUTH ELEVATION (PART) 3/32" = 1'-0"

3 EAST ELEVATION (PART) 3/32" = 1'-0"

PROJECT: **BAGDAD WOODS** ADDITION

ELEVATIONS - WEST, SOUTH & EAST

DRAWING NUMBER:

DRAWING NAME:

SD-08

PROJECT NUMBER: NORTH: 19.12 DATE MAY 2020 SCALE: AS INDICATED REVISION: