WINDHAM COMMUNITY PARK TOWN OF WINDHAM WINDHAM, MAINE

LOCATION MAP



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ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE

4 Blanchard Road, PO Box 85A, Cumberland Center, Maine 04021 Phone 207.829.5016 • Fax 207.829.5692 • smemaine.com





GENERAL SITE NOTES:

- . BASE MAP IS BASED UPON A FIELD SURVEY PERFORMED BY SEBAGO TECHNICS IN OCTOBER OF 2006 AROUND THE EXISTING SKATE PARK. ADDITIONAL SITEAND EXISTING CONDITIONS WAS BASED UPON PLAN REFERENCE A SEE DWG C-100. COMMUNITY GARDEN LIMITS, TREE LINES AND TOWN FARM ROAD ARE FROM LOW ALTITUDE UVA STANDARD PRACTICE DICTATES THAT PLANS COMPILED IN THIS MANNER SHOULD BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- 2. BOUNDARY INFORMATION SHOWN HEREON IS BASED SOLEY UPON PLAN REFERENCE A. NO MONUMENTATION FROM SAID PLAN WAS FOUND. THE BOUNDARY WAS SCALED ONTO THIS PLAN UTILIZING THE BUILDING AND UTILITY INFORMATION SHOWN ON PLAN REFERENCE A AND WAS ROTATED ONTO GRID NORTH (SEE NOTE 5).
- 3. A WETLAND DELINEATION WAS PERFORMED ON THIS PROJECT SITE BY GARY FULLERTON, SEBAGO TECHNICS, INC. AND LOCATED BY GROUND SURVEY. THIS DELINEATION CONFORMS TO THE STANDARDS AND METHODS OUTLINED IN THE 1987 WETLANDS DELINEATION MANUAL AUTHORED AND PUBLISHED BY THE U.S. ARMY CORPS OF ENGINEERS.
- 4. EXCAVATE AND STOCKPILE ON-SITE TOPSOIL. TOPSOIL IS TO REMAIN THE PROPERTY OF THE TOWN OF WINDHAM DURING CONSTRUCTION, AND SHALL NOT BE REMOVED FROM THE SITE. AFTER FINAL LOAM AND SEED EXCESS TOPSOIL SHALL BE REMOVED FROM SITE BY CONTRACTOR.
- 5. PROVIDE SIGNAGE AND BARRICADES TO PREVENT PEDESTRIANS FROM ENTERING THE WORK AREA THROUGHOUT CONSTRUCTION.

GRADING NOTES:

- 1. ADD 4" LOAM, SEED AND MULCH TO DISTURBED AREAS UNLESS OTHERWISE NOTED. PROVIDE EROSION CONTROL MESH ON ALL SLOPES 6:1 OR STEEPER.
- 2. MAINTAIN TEMPORARY EROSION CONTROL MEASURES FOR THE FULL DURATION OF CONSTRUCTION. INSPECT WEEKLY AND AFTER EACH STORM AND REPAIR AS NEEDED. REMOVE SEDIMENTS FROM THE SITE. PLACE IN AREA OF LOW EROSION POTENTIAL, AND STABILIZE WITH SEED AND MULCH.
- 3. PLACE TEMPORARY SOIL STABILIZATION WITHIN 14 DAYS OF INITIAL DISTURBANCE. PLACE PERMANENT SOIL STABILIZATION WITHIN 7 DAYS OF FINAL GRADING.

DIG SAFE NOTES:

PRIOR TO EXCAVATION, VERIFY THE UNDERGROUND UTILITIES, PIPES, STRUCTURES AND FACILITIES. PROVIDE THE FOLLOWING MINIMUM MEASURES:

- 1. PRE-MARK THE BOUNDARIES OF YOUR PLANNED EXCAVATION WITH WHITE PAINT, FLAGS OR STAKES, SO UTILITY CREWS KNOW WHERE TO MARK THEIR LINES.
- 2. CALL DIG SAFE, AT 811, AT LEAST THREE BUSINESS DAYS BUT NO MORE THAN 30 CALENDAR DAYS BEFORE STARTING WORK. DO NOT ASSUME SOMEONE ELSE WILL MAKE THE CALL.
- 3. IF BLASTING, NOTIFY DIG SAFE AT LEAST ONE BUSINESS DAY IN ADVANCE.
- 4. WAIT THREE BUSINESS DAYS FOR LINES TO BE LOCATED AND MARKED WITH COLOR-CODED PAINT, FLAGS OR STAKES. NOTE THE COLOR OF THE MARKS AND THE TYPE OF UTILITIES THEY INDICATE. SURVEY MARKED UTILITIES AND RECORD ON THE AS-BUILT DRAWINGS.
- 5. CONTACT THE LANDOWNER AND OTHER "NON-MEMBER" UTILITIES (WATER, SEWER, GAS, ETC.). FOR THEM TO MARK THE LOCATIONS OF THEIR UNDERGROUND FACILITIES. SURVEY MARKED UTILITIES AND RECORD ON THE AS-BUILT DRAWINGS.
- 6. RE-NOTIFY DIG SAFE AND THE NON-MEMBER UTILITIES IF THE DIGGING, DRILLING OR BLASTING DOES NOT OCCUR WITHIN 30 CALENDAR DAYS, OR IF THE MARKS ARE LOST DUE TO WEATHER CONDITIONS, SITE WORK ACTIVITY OR ANY OTHER REASON.
- 7. HAND DIG WITHIN 18 INCHES IN ANY DIRECTION OF ANY UNDERGROUND LINE UNTIL THE LINE IS EXPOSED. MECHANICAL METHODS MAY BE USED FOR INITIAL SITE PENETRATION, SUCH AS REMOVAL OF PAVEMENT OR ROCK.
- 8. DIG SAFE REQUIREMENTS ARE IN ADDITION TO TOWN, CITY AND/OR STATE DOT STREET OPENING PERMIT REQUIREMENTS.
- 9. FOR COMPLETE DIG SAFE REQUIREMENTS, CALL THE PUBLIC UTILITIES COMMISSION (PUC) AT 1-800-452-4699 OR VISIT WWW.STATE.ME.US/MPUC
- 10. IF YOU DAMAGE, DISLOCATE OR DISTURB ANY UNDERGROUND UTILITY LINE, IMMEDIATELY NOTIFY THE AFFECTED UTILITY. IF DAMAGE CREATES SAFETY CONCERNS, CALL THE FIRE DEPARTMENT AND TAKE IMMEDIATE STEPS TO SAFEGUARD HEALTH AND PROPERTY.
- 11. ANY TIME AN UNDERGROUND LINE IS DAMAGED OR DISTURBED OR IF LINES ARE IMPROPERLY MARKED, YOU MUST FILE AN INCIDENT REPORT WITH THE PUC FOR AN INCIDENT REPORT FORM VISIT WWW.STATE.ME.US/MPUC OR CALL THE PUC AT 1-800-452-4699.

TYPICAL ABBREVIATIONS:

ACCMP	ASPHALT COATED CMP	D	DEGREE OF CURVE	HDPE	HIGH DENSITY POLYETHYLENE
ACP	ASBESTOS CEMENT PIPE	DBL	DOUBLE	HORIZ	HORIZONTAL
AC	ACRE	DEG OR °	DEGREE	HP	HORSEPOWER
AGG	AGGREGATE	DEPT	DEPARTMENT	HYD	HYDRANT
ALUM	ALUMINUM	DI	DUCTILE IRON		
APPD	APPROVED	DIA	DIAMETER	ID	INSIDE DIAMETER
APPROX	APPROXIMATE	DIM	DIMENSION	IN OR "	INCHES
ARMH	AIR RELEASE MANHOLE	DIST	DISTANCE	INV	INVERT
ASB	ASBESTOS	DN	DOWN	INV EL	INVERT ELEVATION
ASP	ASPHALT	DR	DRAIN		
AUTO	AUTOMATIC	DWG	DRAWING	LB	POUND
AUX	AUXILIARY	Dirig	DIAMING	LC	I FACHATE COLLECTION
AVE	AVENUE	EA	EACH	LD	
AZ	AZIMUTH	EG	EXISTING GROUND OR GRADE	LF	I INFAR FFFT
		ELEC	ELECTRIC	LOC	
BCCMP	BITUMINOUS COATED CMP	EL	ELEVATION	LT	LEACHATE TRANSPORT
BM		ELB	ELBOW		
BIT	BITUMINOUS	EOP	EDGE OF PAVEMENT	МН	MANHOLE
BLDG	BUTUDING	EQUIP	EQUIPMENT	MJ	MECHANICAL JOINT
BOT	BOTTOM	EST	ESTIMATED	MATL	MATERIAL
BDC	BEADING	EXC	EXCAVATE	MAX	MAXIMUM
BV/		EXIST	EXISTING	MFR	MANUFACTURE
DV	DALL VALVL			MIN	MINIMUM
СВ	CATCH BASIN	FI	FIELD INLET	MISC	MISCELLANEOUS
CEN	CENTER	FG	FINISH GRADE	MON	MONUMENT
CEM LIN	CEMENT LINED	FBRGL	FIBERGLASS		
CMP	CORRUGATED METAL PIPE	FDN	FOUNDATION	NITC	NOT IN THIS CONTRACT
CO	CLEAN OUT	FLEX	FLEXIBLE	NTS	NOT TO SCALE
CF	CUBIC FEET	FLG	FLANGE	N/F	NOW OR FORMERLY
CFS	CUBIC FEET PER SECOND	FLR	FLOOR	NO OR #	NUMBER
CI	CAST IRON	FPS	FEET PER SECOND		
CL	CLASS	FT OR '	FEET	OC	ON CENTER
CONC	CONCRETE	FTG	FOOTING	OD	OUTSIDE DIAMETER
CONST	CONSTRUCTION				
CONTR	CONTRACTOR	GA	GAUGE	PC	POINT OF CURVE
CS	CURB STOP	GAL	GALLON	PD	PERIMETER DRAIN
CTR	CENTER	GALV	GALVANIZED	PI	POINT OF INTERSECTION
CU	COPPER	GPD	GALLONS PER DAY	PIV	POST INDICATOR VALVE
CY	CUBIC YARD	GPM	GALLONS PER MINUTE	PT	POINT OF TANGENT
2.					

PP	POWER POLE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QTY	QUANTITY
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT OF WAY
RAD	RADIUS
REQD	REQUIRED
RT	RIGHT
RTE	ROUTE
S	SLOPE
SCH	SCHEDULE
SF	SQUARE FEET
SHT	SHEET
SMH	SANITARY MANHOLE
ST	STREET
STA	STATION
SY	SQUARE YARD
TAN	TANGENT
TDH	TOTAL DYNAMIC HEAD
TEMP	TEMPORARY
TYP	TYPICAL
UD	UNDERDRAIN
V	VOLTS
VA TEE	VALVE ANCHORING TEE
VERT	VERTICAL
WG	WATER GATE
W/	WITH
W/O	WITHOUT
YD	YARD

PERFORATED

PERF

PP

LEGEND

EXISTING		PROPOSED
	PROPERTY LINE	
1/////	BUILDING	
	EDGE OF PAVEMENT	
	CURB	
100	CONTOUR	100
	SPOT GRADE	× <u>114.23</u>
X	FENCE	X
SD	STORM DRAIN	SD
UD	UNDERDRAIN	
	CATCH BASIN	
	DRAINAGE MANHOLE	
	UTILITY POLE	-
OHU	- OVERHEAD UTILITY	OHU
UGU	UNDERGROUND ELECTRIC	UGE
	UNDERGROUND COMMUNICATION CABLE	UCC
	TRANSFORMER	T
¢	LIGHT POLE	
	BOLLARD LIGHT	*
	FLOOD LIGHT	€
W	WATER LINE	W
	WATER GATE VALVE	H
	HYDRANT	
- <u>o</u> -	SIGN	
	RIPRAP	
	RETAINING WALL	
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	TREELINE	
	PAVED WALK	
	SUPERHUMUS GRAVEL WALK	
	VOLLEY BALL COURT	
•	IRON ROD FOUND	
۲	IRON PIPE FOUND	
٨	IRON ROD TO BE SET	•
	TEMPORARY BENCH MARK	

	DPD	10/2018	ISSUED FOR SITE PLAN REVIEW	
REV.	BY	DATE	STATUS	
Muning AT	DANIEL DIFFIN		WINDHAM COMMUNITY F TOWN OF WINDHAM WINDHAM, MAINE	PARK
THURKES STATISTICS	STONAL EN	6M	GENERAL NOTES, ABBREVIATIONS	, AND LEGEND
			SME -	DESIGN BY: DPD
				DRAWN BY: SJM
				DATE: 4/2018
				CHECKED BY: KPN/BDP
			4 Blanchard Road, PO Box 85A, Cumberland, Maine 04021	LMN: NONE
			Phone 207.829.5016 • Fax 207.829.5692 • smemaine.com	CTB: SME-STD
			JOB NO. 18048.00 DWG FILE SYMSHT	C-100



	DPD	10/2018	ISSUED FOR SITE PLAN REVIEW
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	FARM-RESIDEN	ITIAL ZONE
	REQUIRED	PROVIDED
MINIMUM LOT SIZE	50,000 SF	> 50,000 SF
MAXIMUM RESIDENTIAL DENSITY	1 LOT/ 40,000SF	1 LOT/ > 40,000 SF
MINIMUM LOT WIDTH	150 FEET	> 150 FEET
MINIMUM FRONT YARD SETBACK	30 FEET	> 30 FEET
MINIMUM REAR/SIDE SETBACK	10 FEET	> 10 FEET
MAXIMUM BUILDING HEIGHT	35 FEET	< 35 FEET
MAXIMUM LOT COVERAGE	20%	< 20%

8. THIS SITE DOES NOT CONTAIN WETLANDS.

9. SITE UTILITIES WILL BE PROVIDED AS FOLLOWS:

ELECTRIC/COMMUNICATIONS:	EXISTING SERVICE
WATER SUPPLY:	1" DIA IRRIGATION FOR COMMUNITY GARDEN
SEWER SERVICE:	ON-SITE COMPOSTING TOILET

10. THE PROPERTY IS NOT WITHIN A FLOODPLAIN OR SHORELAND ZONE.

#### WAIVERS:

1.

WAIVER FROM SECTION 518 OF TOWN OF WINDHAM LAND USE ORDINANCE PERMITTING UP TO TWO (2) CURB CUTS. PROPOSED PROJECT INCLUDES FOUR (4) CURB CUTS.

0	(	)		50	100 FEET

	DPD	10/2018	ISSUED FOR SITE PLAN REVIEW
REV.	BY	DATE	STATUS


NOTE:

FOR GENERAL NOTES AND ORIGIN OF EXISTING CONDITIONS, SEE DWG C-100.





	DPD	10/2018	ISSUED FOR SITE PLAN REVIEW
REV.	BY	DATE	STATUS



15	0 Q	30	60 FEE

	DPD	10/2018	ISSUED FOR SITE PLAN REVIEW
RFV.	BY	DATE	STATUS

NOTE: FOR GENERAL NOTES AND ORIGIN OF EXISTING CONDITIONS, SEE DWG C-100. WINDHAM COMMUNITY PARK TOWN OF WINDHAM WINDHAM, MAINE SITE GRADING AND DRAINAGE PLAN (SHEET 2 OF 2) DESIGN BY: DPD SME SEVEE & MAHER ENGINEERS DRAWN BY: SJM DATE: 4/2018 CHECKED BY: BDP ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE LMN: SITE/GRAD 4 Blanchard Road, PO Box 85A, Cumberland, Maine 04021 Phone 207.829.5016 • Fax 207.829.5692 • smemaine.com CTB: SME-STD

JOB NO. 18048.00 DWG FILE BASE

C-104



	DPD	10/2018	ISSUED FOR SITE PLAN REVIEW
REV.	BY	DATE	STATUS



15	0	30	60 FEE

	DPD	10/2018	ISSUED FOR SITE PLAN REVIEW
RFV	BY	DATE	STATUS

## **EROSION CONTROL NOTES:**

#### A. GENERAL

- 1. All soil erosion and sediment control will be done in accordance with: (1) the Maine Erosion and Sediment Control Handbook: Best Management Practices, Maine Department of Environmental Protection (MEDEP), October 2016.
- 2. The site Contractor (to be determined) will be responsible for the repair/replacement/maintenance of all erosion control measures until all disturbed areas are stabilized.
- 3. Disturbed areas will be permanently stabilized within 7 days of final grading. Disturbed areas not to be worked upon within 14 days of disturbance will be temporarily stabilized within 7 days of the disturbance.
- 4. In all areas, removal of trees, bushes and other vegetation, as well as disturbance of topsoil will be kept to a minimum while allowing proper site operations.
- 5. Any suitable topsoil will be stripped and stockpiled for reuse as directed by the Owner. Topsoil will be stockpiled in a manner such that natural drainage is not obstructed and no off-site sediment damage will result. In any event, stockpiles will not be located within 100 feet of wetlands and will be at least 50 feet upgradient of the stockpile's perimeter silt fence. The sideslopes of the topsoil stockpile will not exceed 2:1. Silt fence will be installed around the perimeter of all topsoil stockpiles. Topsoil stockpiles will be surrounded with siltation fencing and will be temporarily seeded with Aroostook rye, annual or perennial ryegrass within 7 days of formation, or temporarily mulched.
- **B. TEMPORARY MEASURES**
- 1. STABILIZED CONSTRUCTION ENTRANCE/EXIT
- A crushed stone stabilized construction entrance/exit will be placed at any point of vehicular access to the site, in accordance with the detail shown on this sheet.
- 2. SILT FENCE
- a. Silt fence will be installed prior to all construction activity, where soil disturbance may result in erosion. Silt fence will be erected at locations shown on the plans and/or downgradient of all construction activity.
- b. Silt fences will be removed when they have served their useful purpose, but not before the upgradient areas have been permanently stabilized.
- c. Silt fences will be inspected immediately after each rainfall and at least daily during prolonged rainfall. They will be inspected if there are any signs of erosion or sedimentation below them. Any required repairs will be made immediately. If there are signs of undercutting at the center or the edges, or impounding of large volumes of water behind them, they will be replaced with a temporary crushed stone check dam.
- d. Sediment deposits will be removed after each storm event if significant build-up has occurred or if deposits exceed half the height of the barrier.
- 3. STONE CHECK DAMS

Stone check dams will be installed in grass-lined swales and ditches during construction.

- 4. BARK MULCH SEDIMENT BARRIER
- a. Where approved, bark mulch sediment barriers may be used as a substitute for silt fence. See the details in this drawing set for specifications.
- b. Rock Filter Berms: To provide more filtering capacity or to act as a velocity check dam, a berm's center can be composed of clean crushed rock ranging in size from the check dam stone to riprap.
- 5. TEMPORARY SEEDING

Stabilize disturbed areas that will not be brought to final grade for a year or less and reduce problems associated with mud and dust production from exposed soil surface during construction with temporary vegetation.

6. TEMPORARY MULCHING

Use temporary mulch in the following locations and/or circumstances:

- In sensitive areas (within 100 feet of streams, wetlands and in lake watersheds) temporary mulch will be applied within 7 days of exposing spill or prior to any storm event.
- Apply temporary mulch within 14 days of disturbance or prior to any storm event in all other areas.
- Areas which have been temporarily or permanently seeded will be mulched
- immediately following seeding. • Areas which cannot be seeded within the growing season will be mulched for over-winter protection and the area will be seeded at the beginning of the
- growing season. • Mulch can be used in conjunction with tree, shrub, vine, and ground cover plantings.
- Mulch anchoring will be used on slopes greater than 5 percent in late fall (past October 15), and over-winter (October 15 - April 15).
- The following materials may be used for temporary mulch:
- a. Hay or Straw material shall be air-dried, free of seeds and coarse material. Apply 2 bales/1,000 sf or 1.5 to 2 tons/acre to cover 90% of ground surface.
- b. Erosion Control Mix: It can be used as a stand-alone reinforcement: on slopes 2 horizontal to 1 vertical or less;
- on frozen ground or forested areas; and
- at the edge of gravel parking areas and areas under construction.
- c. Erosion control mix alone is not suitable:
- on slopes with groundwater seepage; • at low points with concentrated flows and in gullies;
- at the bottom of steep perimeter slopes exceeding 100 feet in length; • below culvert outlet aprons; and around catch basins and closed storm systems.
- d. Chemical Mulches and Soil Binders: Wide ranges of synthetic spray-on materials are marketed to protect the soil surface. These are emulsions that are mixed with water and applied to the soil. They may be used alone, but most often are used to hold wood fiber, hydro-mulches or straw to the soil surface.
- e. Erosion Control Blankets and Mats: Mats are manufactured combinations of mulch and netting designed to retain soil moisture and modify soil temperature. During the growing season (April 15 to October 15) use mats indicated on drawings or North American Green (NAG) S75 (or mulch and netting) on:
- the base of grassed waterways;
- steep slopes (15 percent or greater); and
- any disturbed soil within 100 feet of lakes, streams, or wetlands.

During the late fall and winter (October 15 to April 15) use heavy grade mats indicated on drawings for NAG SC250 on all areas noted above plus use lighter grade mats NAG S75 (or mulch and netting) on:

• sideslopes of grassed waterways; and moderate slopes (between 8 and 15 percent).

C. TEMPORARY DUST CONTROL

To prevent the blowing and movement of dust from exposed soil surfaces, and reduce the presence of dust, use water or calcium chloride to control dusting by preserving the moisture level in the road surface materials.

- D. CONSTRUCTION DE-WATERING
- 1. Water from construction de-watering operations shall be cleaned of sediment before reaching wetlands, water bodies, streams or site boundaries. Utilize temporary sediment basins, erosion control soil filter berms backed by staked hay bales, A Dirt Bag 55" sediment filter bag by ACF Environmental, or other approved Best Management Practices (BMP's).
- 2. In sensitive areas near streams or ponds, discharge the water from the de-watering operation into a temporary sediment basin created by a surrounding filter uncompacted erosion control mix immediately backed by staked hay bales details). Locate the temporary sediment basin at lease 100 feet from the r body, such that the filtered water will flow through undisturbed vegetated prior to reaching the water body or property line.
- E. PERMANENT MEASURES
- 1. Riprapped Aprons: All storm drain pipe outlets and the inlet and outlet of a have riprap aprons to protect against scour and deterioration.
- 2. Topsoil, Seed, and Mulch: All areas disturbed during construction, but not other restoration (paving, riprap, etc.) will be loamed, limed, fertilized, see mulched.

Seeded Preparation: Use stockpiled materials spread to the depths shown available. Approved topsoil substitutes may be used. Grade the site as need

a. Seeding will be completed by August 15 of each year. Late season see done between August 15 and October 15. Areas not seeded or which a satisfactory growth by October 15, will be seeded with Aroostook Rye of After November 1, or the first killing frost, disturbed areas will be seeded the specified application rates, mulched, and anchored.

PERMANENT SEEDING SPECIFICATIONS

Mixture:	Roadside (lbs/acre)	Lawn (lbs/acre)
Kentucky Bluegrass	20	55
White Clover	5	0
Creeping Red Fescue	20	55
Perennial Ryegrass	5	15

- b. Mulch in accordance with specifications for temporary mulching.
- c. If permanent vegetated stabilization cannot be established due to the year, all exposed and disturbed areas not to undergo further disturban dormant seeding applied and be temporarily mulched to protect the sit
- 3. Ditches and Channels: All ditches on-site will be lined with North American erosion control mesh (or an approved equal) upon installation of loam and
- F. WINTER CONSTRUCTION AND STABILIZATION
- 1. Winter excavation and earthwork will be completed so as to minimize expo while satisfactorily completing the project. Limit exposed areas to those a work is to occur during the following 15 days and that can be mulched in a to any snow event. All areas will be considered denuded until the subbase installed in roadway areas or the areas of future loam and seed have been seeded, and mulched.

Install any added measures necessary to control erosion/sedimentation. measure used will be dependent upon site conditions, the size of the area protected, and weather conditions.

To minimize areas without erosion control protection, continuation of earth operations on additional areas will not begin until the exposed soil surface being worked has been stabilized.

- 2. Natural Resource Protection: During winter construction, a double-row of s barriers (i.e., silt fence backed with hay bales or erosion control mix) will b between any natural resource and the disturbed area. Projects crossing the resource will be protected a minimum distance of 100 feet on either side f resource.
- . Sediment Barriers: During frozen conditions, sediment barriers may consist control mix berms or any other recognized sediment barriers as frozen soil proper installation of hay bales or silt fences.
- 4. Mulching:
- All areas will be considered to be denuded until seeded and mulche
- straw mulch will be applied at a rate of twice the normal accepted Mulch will not be spread on top of snow.
- After each day of final grading, the area will be properly stabilized hay or straw or erosion control matting.
- Between the dates of November 1 and April 15, all mulch will be and either mulch netting, emulsion chemical, tracking or wood cellulose
- 5. Soil Stockpiling: Stockpiles of soil or subsoil will be mulched for over-winter with hay or straw at twice the normal rate or with a 4-inch layer of erosion This will be done within 24 hours of stocking and re-established prior to an snowfall. Any soil stockpiles shall not be placed (even covered with mulch) feet from any natural resources.
- 6. Seeding: Dormant seeding may be placed prior to the placement of mulch control blankets. If dormant seeding is used for the site, all disturbed area 4 inches of loam and seed at an application rate of three times the rate fo seeding. All areas seeded during the winter will be inspected in the spring catch. All areas insufficiently vegetated (less than 75 percent catch) will by replacing loam, seed, and mulch.

If dormant seeding is not used for the site, all disturbed areas will be revegetated in the spring.

7. Maintenance: Maintenance measures will be applied as needed during the construction season. After each rainfall, snow storm, or period of thawing the site Contractor will perform a visual inspection of all installed erosion measures and perform repairs as needed to ensure their continuous function

Following the temporary and/or final seeding and mulching, the Contractor spring, inspect and repair any damages and/or bare spots. An established cover means a minimum of 85 to 90 percent of areas vegetated with vigor

- G. OVER-WINTER CONSTRUCTION EROSION CONTROL MEASURES
- . Stabilization of Disturbed Soil: By October 15, all disturbed soils on areas slope less than 15 percent will be seeded and mulched. If the Contractor stabilize these soils by this date, then the Contractor shall stabilize the so and winter, by using either temporary seeding or mulching.

e-watering	Н. М	IAINTENANCE PLAN					COMPOST WOOD CH	ED BARK, OR FLUM	IE GRIT AND FRAGMENT	ED WOOD (	
s (see the site nearest water I soil areas	1.	Routine Maintenance: Inspec Control Plan. Inspection will be the facility performs as intende controls for accumulation of se	tion will be performed as out e by a qualified person during d. Inspection priorities will in diments.	lined in the projec g wet weather to e nclude checking en	t's Erosion ensure that rosion		ACCEPTAE EROSION THAN 4" I EROSION	SLE AS THE ORGAN CONTROL MIX SHA N DIAMETER. CONTROL MIX MUS	IC COMPONENT OF THE LL CONTAIN A WELL-GF ST BE FREE OF REFUSE,	MIX. ADED MIXT	FURE OF
	I. Ho	ousekeeping					THE MIX (	COMPOSITION SHA	LL MEET THE FOLLOWIN BETWEEN 20% - 100% (	IG STANDA	RDS: HT BASI
culverts will	1. 5	Spill prevention. Controls must	be used to prevent pollutant	s from being disch	narged		C. THE	ORGANIC PORTIC	N NEEDS TO BE FIBROU	JS AND ELO	NGATED
t oubjoct to	1	to stormwater, and appropriate	g storage practices to minim e spill prevention, containmer	ize exposure of the nt, and response p	e materials planning		E. SOL	UBLE SALTS CONT	ENT SHALL BE LESS TH	AN 4.0 MMH	IOS/CM.
eded, and	2	and implementation.		une unue di sette e un di e	<b>th a u</b>	2		S I FSS THAN 5% (	OR AT THE BOTTOM OF	SLOPES 2.1	
on the plans, if	2. (	Aroundwater protection. Durin hazardous materials with the p or handled in areas of the site area of the site that by design	g construction, liquid petrolei otential to contaminate groui draining to an infiltration are or as a result of soils, topogr	Im products and c ndwater may not l a. An "infiltration a apply and other re	otner be stored area" is any levant	۷.	CONFORM	TO THE ABOVE D	IMENSIONS. ON THE LO ONAL FLOW.	NGER OR ST	TEEPER
eding may be do not obtain	1 1 i	factors accumulates runoff that forms of secondary containment isolate portions of the site for t	t infiltrates into the soil. Dike t that prevent discharge to g he purposes of storage and h	s, berms, sumps, a groundwater may nandling of these r	and other be used to materials.	3.	THE BARR WOODY V BARRIER	IER MUST BE PLAC EGETATION TO AV THROUGH THE GRA	ED ALONG A RELATIVEL OID CREATING VOIDS A ASS BLADES OR PLANT S	Y LEVEL EL ND BRIDGE TEMS.	.EVATIO
or mulched. led at double	3. I i	Fugitive sediment and dust. Ac in noticeable erosion of soils or may not be used for dust contr	tions must be taken to ensur fugitive dust emissions durir ol.	e that activities do ng or after constru	o not result Iction. Oil	4.	LOCATION A. AT B. BEL C. WH	IS WHERE OTHER I LOW POINTS OF C OW CULVERT OUT ERE A PREVIOUS S	BMP'S SHOULD BE USED ONCENTRATED FLOW LET APRONS TAND-ALONE EROSION	: CONTROL N	MIX APPI
	4. I	Debris and other materials. Litt stormwater must be prevented	er, construction debris, and of from becoming a pollutant s	chemicals exposed ource.	l to		D. AT UPG E. ARC	The Bottom of S Radient Waters Dund Catch Basi	TEEP PERIMETER SLOPE HED) NS AND CLOSED STORM	S THAT AR	E MORE
	5. ⁻	Trench or foundation de-water trenches, foundations, coffer d that retain water after excavat	ing. Trench de-watering is th ams, ponds, and other areas on. In most cases the collect	e removal of wate within the constru- ted water is heavil	er from uction area y silted and	5.	The eros Damaged The desii	ION CONTROL MIX SECTIONS OF BEF RED HEIGHT AND \	C BARRIERS SHOULD BE M IMMEDIATELY BY REI WIDTH.	INSPECTED PLACING OF	) REGUL R ADDIN
season of the	1	from the ponded area, either the natural wooded buffers or rem- maximum amount of sediment	nrough gravity or pumping, a poved to areas that are specifi possible, like a cofferdam se	a water must be ind and must be spread cally designed to a dimentation basin	d through collect the . Avoid	6.	IT MAY BE UNDERCU	E NECESSARY TO R TTING OR THE IMF	EINFORCE THE BARRIEF OUNDMENT OF LARGE	\ WITH SILT √OLUMES O	Г FENCE )F WATE
ice are to have	i 1	allowing the water to flow over taken if approved by the depar	disturbed areas of the site.	Equivalent measur	res may be	7.	SEDIMENT	DEPOSITS SHOUL	D BE REMOVED WHEN	They reach	H APPRC
ie. In Green S75 d seed	6. I	Non-stormwater discharges. Id discharges.	entify and prevent contamina	ation by non-storm	nwater	8.	REPLACE S	SECTIONS OF BERN IVE. THE BARRIER	1 THAT DECOMPOSE, BE SHOULD BE RESHAPED	Come Cloc As Needed	GGED W ).
	7. /	Additional requirements. Additi	onal requirements may be ap	oplied on a site-sp	ecific basis.	9.	EROSION PLACE AFT SEEDED A	Control Mix Bar Fer Barrier IS No Nd Mulched. Wo	RIERS CAN BE LEFT IN D LONGER REQUIRED SHODY VEGETATION CAN	PLACE AFTE IOULD BE SI BE PLANTED	er cons Pread 1 D Into 1
osed areas areas in which one day prior	J. CC	ONSTRUCTION SEQUENCE	ence of construction for each	phase is provided	below.		LEGUMES.	IF THE BARRIER N	IEEDS TO BE REMOVED,	IT CAN BE	SPREAD
se gravel is n loamed,		Mobilization     Install temporary erosion		2" CRUSHE	D STONE OI	२					
The particular to be		<ul> <li>Clearing and grubbing</li> <li>Site Grading</li> <li>Construct storm drains</li> </ul>	r control medsures	RECYCLED ( EQUIVALEN	Concrete T Size ——	OF			EX BASE AN EDGE OF EX PAN	id subba /ement7	vSE 7
		<ul> <li>Construct underdrained</li> <li>Construct access drive.</li> </ul>	soil filters parking and plaza areas					– 50'-0" MIN ———	1	—– //	/
e on the area		<ul> <li>Site stabilization, pavem and landscaping</li> <li>Remove temporary erosi</li> </ul>	on control measures	GEOTEXTILE M	1IRAFI			A. : .	6" MIN		
^f sediment be placed :he natural				600X OR EQUA	AL			<u>SECTION</u>	0 min		I
from the									AT 127. 11 AT 129. 11 AT 129. 11 AT 12 AT 12. 12 AT 12 AT 12.		
ist of erosion il prevents the						(MA (MA PA	20'-0" TCH PROI VEMENT W	POSED /IDTH)			XXX
		2" HEADWIDTH WOODEN STA PLACED 10' ON CENTER	KES					,			
ed. Hay and rate.	8 C	B" FILTREXX [®] SILT SOXX [™] OR ENGINEER APPROVED EOU									
with anchored		~WORK ARFA~			NOTEO			PLAN			Ι
nchored by e fiber.			AREA TO BE PROTECTED~		1. MAI SED	- NTAIN ENT DIMENT ON	TRANCE IN A	A CONDITION THAT RIGHT-OF-WAY. IF	F WILL PREVENT TRACK WASHING IS REQUIRED	ING OF PREVENT	
ter protection					SED	IMENT FRO	OM ENTERIN	IG WATERWAYS, D	ITCHES OR STORM DRA	INS.	
iny rainfall or		SF			2. REM CON	IOVE STAB	ILIZED CON N & PAVEM	STRUCTION ENTRA	ANCE TO FINISH ROAD		
n) within 100					STAE	BILIZE	D CO	<b>NSTRUCT</b>	ON ENTRAN	ICE	
h or erosion				I STAKES	NTS						
or permanent g for adequate											
be revegetated				TREXX ^R SILT SOX	ïX™						
e entire		HOW	XX								
g and runoff, control cion.		FLOW .									
or will, in the d vegetative rous growth.		~WORK AREA~		ĺ							
			PLAN								
s having a fails to		S	LT SOCK								
oil for late fall		NTS									
						DPD	10/2018	ISSUED FOR SIT	E PLAN REVIEW		
					REV.	BY	DATE	STATUS			



NOTES:

2. Stabilization of Disturbed Slopes: All slopes to be vegetated will be completed by

a. Stabilize the soil with temporary vegetation and erosion control mesh.

not stabilized by September 15 shall be lined with either sod or riprap.

following actions to stabilize the slope for late fall and winter:

b. Stabilize the slope with erosion control mix.

c. Stabilize the slope with stone riprap.

October 15. The Owner will consider any area having a grade greater than 15 percent

(6.5H:1V) to be a slope. Slopes not vegetated by October 15 will receive one of the

3. Stabilization of Ditches and Channels: All stone-lined ditches and channels to be used to

convey runoff through the winter will be constructed and stabilized by November 15.

Grass-lined ditches and channels will be complete by September 15. Grass-lined ditches

### EDACIAN CONTRAL NATES AND DETAILS

	EROSION CONTROL NOTES AND	JULIAILS
	CME -	DESIGN BY: DPD
		DRAWN BY: SJM
	ENGINEERS	DATE: 4/2018
	ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE	CHECKED BY: BDP
	4 Blanchard Road, PO Box 85A, Cumberland, Maine 04021	LMN: NONE
	Phone 207.829.5016 • Fax 207.829.5692 • smemaine.com	CTB: SME-STD
	JOB NO. 18048.00 DWG FILE BASE	C-300



D	Е	RIPRAP THICKNESS	D ₅₀
9 FT.	8 FT.	12"	5"
11.5 FT.	10 FT.	18"	8"
11.5 FT.	10 FT.	18"	8"

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CONSTRUCTION	USE	
1 1/4" HMA MDOT 9.5mm 2 1/4" HMA MDOT 19.0mm 4" COMPACTED AGGREGATE BASE, MDOT 703.06(a) TYPE A 14" COMPACTED AGGREGATE SUBBASE, MDOT 703.06(b) TYPE D COMPACTED SUBGRADE	<u>BITUMINOUS</u> PARKING LOT	
1 - 2" LAYERS OF HMA MDOT 9.5mm 4" COMPACTED AGGREGATE BASE, MDOT 703.06(a) TYPE A 8" COMPACTED AGGREGATE SUBBASE, MDOT 703.06(a) TYPE D COMPACTED SUBGRADE	<u>BITUMINOUS</u> WALKING PATHS	2'-0"
2" TOPSOIL 4" COMPACTED AGGREGATE BASE, MDOT 703.06(a) TYPE A 14" COMPACTED AGGREGATE SUBBASE, MDOT 703.06(b) TYPE D COMPACTED SUBGRADE	<u>GRASSED</u> PARKING	5'-0" MIN OR AS SHOWN ON PLAN
2" SUPERHUMUS MIX 8" COMPACTED AGGREGATE SUBBASE, MDOT 703.06(b) TYPE D COMPACTED SUBGRADE	<u>GRAVEL</u> PATH	<u>CROSSWALK</u>
7" CONC. SLAB W/ 6x6 W2.9xW2.9 WWF @ MIDHEIGHT OF SLAB THICKENED SLAB 2 - #4 CONT. 12" COMPACTED AGGREGATE BASE, MDOT 703.06(a) TYPE A COMPACTED SUBGRADE	<u>CONCRETE</u> SKATE PARK AND PICNIC AREAS	AS SHOWN ON PLAN
4" TOPSOIL, NO STONES OVER 3/4" DIA. GRANULAR MATERIAL IN FILL AREAS COMPACTED SUBGRADE	<u>GRASS</u> ALL DISTURBED AREAS	
6" BEACH SAND 12" GRANULAR MATERIAL COMPACTED SUBGRADE	<u>PLAY AREA</u> VOLLEYBALL COURTS	BOLT CIRCLE: 11"~
12" SOFT LANDING WOOD CHIP PLAYGROUND SURFACES BY JOLLY GARDENER OR APPROVED EQUAL GEOTEXTILE MIRAFI 140N OR EQUAL 6" SAND PREPARED SUBGRADE	<u>PLAY AREA</u> PLAYGROUND	BOLT PATTERN
ACRYLIC (PMMA) OR POLYURETHANE COATING 1" HMA MDOT 9.5mm 2.5" HMA MDOT 19.0mm 4" COMPACTED AGGREGATE BASE, MDOT 703.06(a) TYPE A 8" COMPACTED AGGREGATE SUBBASE, MDOT 703.06(b) TYPE D EXISTING SURFACE OR GRANULAR FILL COMPACTED TO 95% STANDARD PROCTOR DRY DENSITY (ASTM D698)	<u>BITUMINOUS</u> BASKETBALL COURTS	BASE, BACKFILL & FINISH SURFAC BY EARTHWORK CONTRACTOR. CONDUIT, CABLE, POLE & FIXTUR BY ELECTRICAL CONTRACTOR.

SCHEDULE OF SURFACE FINISHES

NTS

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DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, HIGHWAYS AND

2. ALL PERMANENT SIGNS ON THIS PROJECT ARE CLASSIFIED UNDER SECTION 645.03(b)

3. SIGN MATERIAL SHALL BE AS SPECIFIED IN SECTION 719 OF THE MDOT STANDARD

4. POSTS SHALL BE METAL CHANNELS AS SPECIFIED IN SECTION 720.08. ALTERNATE POSTS

MAY BE 4"x6" WOOD AS SPECIFIED IN SECTION 720.12, AS APPROVED BY ENGINEER.

5. POSTS IN THE PUBLIC RIGHT-OF-WAY TO BE ON BREAKAWAY POSTS AS SPECIFIED IN

ROAD SIGN LEGEND

TYPE 1 REGULATORY WARNING AND ROUTE MARKER ASSEMBLY SIGNS.

BRIDGES REVISION OF DECEMBER 2002, SECTION 645.

SECTION 720 OF THE MDOT STANDARD SPECIFICATIONS.

NTS

SPECIFICATIONS.

## PAVEMENT STRIPING NTS



FULL BORDER —

ALL 4" STRIPES —



PARKING SPACE

1'-0"

→ 4" ~ 4" R





NTS

VERTICAL BITUMINOUS CURB

- TACK COAT

- GUTTER LINE

7" REVEAL

FINISH GRADE OF PAVEMENT





# /--- 6'-0"x6'-0" BLUE BACKGROUND

— 10"

-1'-0"

2'-0"

	DIFFIN DIFFIN 11841	WINDHAM COMMUNITY PARK TOWN OF WINDHAM WINDHAM, MAINE	
		SECTIONS AND DETAILS	
		CME -	DESIGN BY: DPD
		SEVEE & MAHER FNGINFERS	DRAWN BY: SJM
			DATE: 4/2018
		ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE	CHECKED BY: BDP
		4 Blanchard Road, PO Box 85A, Cumberland, Maine 04021 Phone 207.829.5016 • Fax 207.829.5692 • smemaine.com	LMN: NONE
			CTB: SME-STD
		JOB NO. 18048.00 DWG FILE BASE	C-302



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