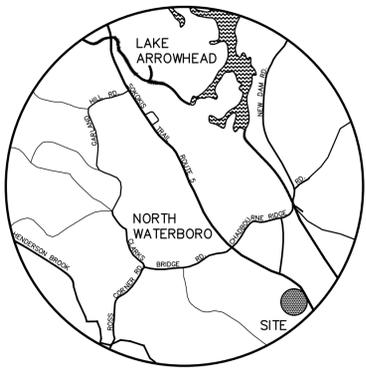


STORMDRAIN STRUCTURES
 CB#1 RIM 353.00
 12" INV. OUT 349.75



LOCATION MAP
 SCALE: 1" = 2 MILES

NOTES:

- OWNER/APPLICANT: JAMES WERSACKAS
 342 WEBBER ROAD
 NORTH WATERBORO, MAINE
- ENGINEER: ANDREW S. MORRELL, PE#13285
 BH2M
 360B MAIN STREET
 GORHAM, MAINE
- SURVEYOR: ROBERT C. LIBBY JR., PLS #2190
 BH2M
- TOPOGRAPHY: MAINE STATE GIS 2' LIDAR CONTOURS
- DEED REFERENCE: BOOK 18409, PAGE 409
- TAX MAP REFERENCE: MAP 10, LOT 52
- ZONING: AGRICULTURE & RESIDENTIAL DISTRICT (AR)
- MINIMUM STANDARDS: LOT SIZE - 80,000 SF
 FRONTAGE - 150'
 SETBACKS - 75' FRONT,
 35' SIDE AND REAR
- LOT AREA: 35.43 ACRES
- EXISTING USE: SINGLE FAMILY RESIDENCE (1,316 S.F.)
- PROPOSED USE: MEDICAL MARIJUANA (CULTIVATION) FACILITY (3,840 S.F.) & RENTAL (HOUSE) (1,316 SF)
- SEWER SERVICE: PROPOSED SUBSURFACE WASTEWATER DISPOSAL SYSTEM
- WATER SERVICE: EX. WELL
- ELECTRIC/TELEPHONE: UNDERGROUND FROM EX. BUILDING
- PARKING: 7 REQUIRED PER TOWN STANDARDS
 9 PROPOSED (1 ADA)
- LIGHTING SUMMARY: SEE RAB LIGHTING SPECIFICATIONS ON SHEET 4
- COORDINATES: BEARINGS AND ELEVATIONS ARE BASED ON STATE PLANE COORDINATES MAINE WEST ZONE 1802 & NAD83 DERIVED BY POST-PROCESSED GPS OBSERVATIONS.
- PLAN REFERENCES: A. "PLAN SHOWING A BOUNDARY FOR SUSAN W. SCALES, BAGLEY ROAD, WATERBORO, MAINE" BY MIDDLE BRANCH ENGINEERING & LAND SURVEYING, 07-30-1985.
 B. "PLAN SHOWING A BOUNDARY FOR SUSAN W. SCALES, BAGLEY ROAD, WATERBORO, MAINE" BY MIDDLE BRANCH ENGINEERING & LAND SURVEYING, 07-30-1985, AND REVISED BY ROBERT YARUMIAN OF MAINE BOUNDARY CONSULTANTS, RECORDED IN YORK COUNTY REGISTRY OF DEEDS PLAN BOOK 279, PAGE 25, 03-26-2003.
- NO FORMAL WETLAND DELINEATION HAS BEEN COMPLETED, BUT THE DEVELOPED AREA DOES NOT APPEAR TO CONTAIN ANY WETLANDS.
- THE PROPOSED BUILDING WILL BE SPRINKLED TO MEET TOWN OF WATERBORO FIRE SUPPRESSION REQUIREMENTS.
- SNOW STORAGE: SNOW TO BE STORED ALONG NORTHERN EDGE OF PARKING AS WELL AS ON WESTERN EDGE ALONG VEGETATED DITCH.
- SEPTIC SYSTEM AS SHOWN IS APPROXIMATE. CONTRACTOR SHALL CONFIRM LOCATION PRIOR TO COMMENCEMENT OF CONSTRUCTION.

I CERTIFY THAT THIS SURVEY CONFORMS TO THE MAINE BOARD OF LICENSURE FOR PROFESSIONAL LAND SURVEYORS TECHNICAL STANDARDS OF PRACTICE FOR A STANDARD BOUNDARY SURVEY WITH THE FOLLOWING EXCEPTIONS:

- NO SURVEYORS REPORT



ROBERT C. LIBBY JR. PLS #2190

LEGEND	
SYMBOL	DESCRIPTION
⊙ SMF	STONE MONUMENT FOUND
⊙ IPF/IRF	IRON PIPE/IRON ROD FOUND
⊙ CIRF	CAPPED IRON ROD FOUND
⊙ IRS	5/8" IRON ROD W/ CAP TO BE SET
⊙	UTILITY POLE
x	BARBED WIRE FENCE
—	STONE WALL
—	EXISTING GIS CONTOUR
—	EDGE OF PAVEMENT
—	PROPERTY LINE
A.G.	ABOVE GROUND
N/F	NOW OR FORMERLY

NO.	DATE	REVISION DESCRIPTION
1	2/25/21	Draft to Client for Review
2	2/10/21	Revised Per Client Comments
3	5/17/21	Submitted Site Plan to Town
4	5/19/21	Revised Per Town Comments



BH2M
 Berry, Huff, McDonald, Milfigan Inc.
 Engineers, Surveyors
 380B Main Street
 Gorham, Maine 04038
 Tel. (207) 839-2771
 www.bh2m.com

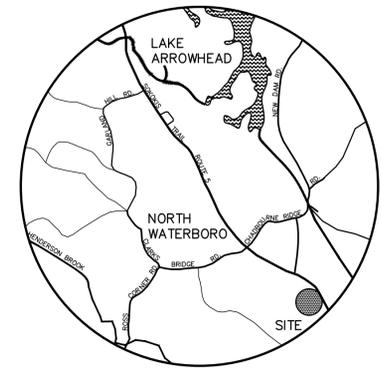
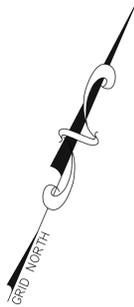
FOR
 James Wersackas
 342 Webber Road
 North Waterboro, ME 04061

SITE PLAN
 LAND OF
 JAMES WERSACKAS
 746 SOKOKIS TRAIL
 WATERBORO, MAINE

DESIGNED	DATE
A. Fagan	January 2020
DRAWN	SCALE
Dept	1"=20'
CHECKED	JOB. NO.
A. Morrell	21024

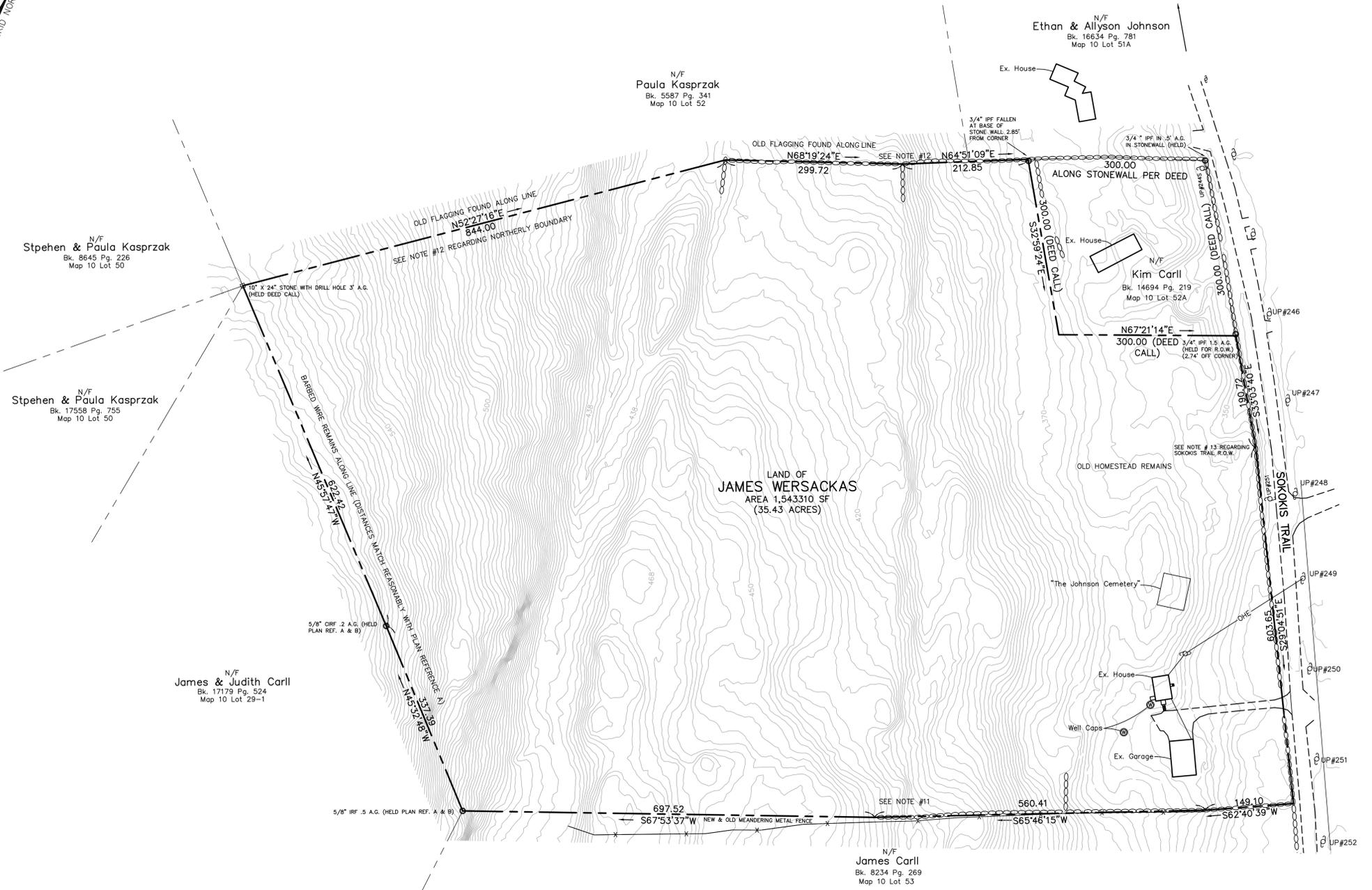
SHEET
1

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LOCATION MAP
SCALE: 1" = 2 MILES

NO.	DATE	REVISION DESCRIPTION
1	2/2/21	Draft to Client for Review
2	2/10/21	Revised Per Client Comments
3	5/7/21	Submitted Site Plan to Town
4	5/19/21	Revised Per Town Comments



NOTES:

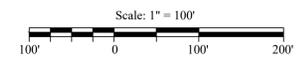
- OWNER: JAMES WERSACKAS
342 WEBBER ROAD
NORTH WATERBORO, MAINE
- SURVEYOR: ROBERT C. LIBBY JR., PLS #2190
BH2M
- DEED REFERENCE: BOOK 18409, PAGE 409
- TAX MAP REFERENCE: MAP 10, LOT 52
- ZONING: AGRICULTURE & RESIDENTIAL DISTRICT (AR)
- MINIMUM STANDARDS: LOT SIZE - 80,000 SF
FRONTAGE - 150'
SETBACKS - 75' FRONT,
35' SIDE AND REAR
- LOT AREA: 35.43 ACRES (1,543,311 SF)
- COORDINATES: BEARINGS AND ELEVATIONS ARE BASED ON STATE PLANE COORDINATES MAINE WEST ZONE 1802 & NAD83 DERIVED BY POST-PROCESSED GPS OBSERVATIONS.
- PLAN REFERENCES: A. "PLAN SHOWING A BOUNDARY FOR SUSAN W. SCALES, BAGLEY ROAD, WATERBORO, MAINE" BY MIDDLE BRANCH ENGINEERING & LAND SURVEYING, 07-30-1985.
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- TOPOGRAPHY: MAINE STATE GIS 2' LIDAR CONTOURS
- SOUTHERLY LINE IN DEED DESCRIPTION IN BOOK 18409 PAGE 409 IS AMBIGUOUS, CALLING FOR: "BEGINNING ON THE LIMECK ROAD, SO-CALLED, AT THE NORTHERLY CORNER OF LAND OF FRANK CARLL, THENCE RUNNING WEST BY SAID CARLL, TO THE END OF THE CARLL LOT", STONEWALL, METAL FENCE AND PLAN REFERENCE 2 & 3 WAS USED TO CREATE SOUTHERLY LINE. BOUNDARY LINE AGREEMENT RECOMMENDED.
- NORTHERLY LINE IS BASED ON DEED BOOK 5587 PAGE 341 DESCRIBED AS: "BEGINNING AT THE SOUTHWEST CORNER OF LAND NOW OR FORMERLY OF STEPHEN AND PAULA KASPRZAK, ADJACENT TO A STONEWALL MARKING THE NORTHERLY BOUNDARY LINE NOW OR FORMERLY OF FRANK CARLL, JR.; THENCE RUNNING IN A WESTERLY DIRECTION BY SAID STONEWALL AND CARLL LAND TO A STONE MONUMENT MARKING THE NORTHWESTERLY CORNER OF LAND NOW OR FORMERLY FRANK CARLL, JR.", SUBJECT DEED BOOK 18409, PAGE 409 CALLS FOR: "THENCE NORTH 73 RODS (1204.5'), NORTH 73' EAST TO ABOVE MENTIONED ROAD".
- SOKOKIS TRAIL IS ASSUMED 66 FEET WIDE AND BASED ON EXISTING MONUMENTS AND EXISTING STONEWALL.

I CERTIFY THAT THIS SURVEY CONFORMS TO THE MAINE BOARD OF LICENSURE FOR PROFESSIONAL LAND SURVEYORS TECHNICAL STANDARDS OF PRACTICE FOR A STANDARD BOUNDARY SURVEY WITH THE FOLLOWING EXCEPTIONS:

- NO SURVEYORS REPORT



ROBERT C. LIBBY JR. PLS #2190



LEGEND	
SYMBOL	DESCRIPTION
⊙ SMF	STONE MONUMENT FOUND
○ IPF/IRF	IRON PIPE/IRON ROD FOUND
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⊙	UTILITY POLE
x	BARBED WIRE FENCE
—○—○—	STONE WALL
—○—	EXISTING GIS CONTOUR
---	EDGE OF PAVEMENT
- - -	PROPERTY LINE
A.G.	ABOVE GROUND
N/F	NOW OR FORMERLY

BH2M
Berry, Huff, McDonald, Milfigan Inc.
Engineers, Surveyors
380B Main Street
Gorham, Maine 04038
Tel. (207) 839-2771
www.bh2m.com

FOR
James Wersackas
342 Webber Road
North Waterboro, ME 04061

STANDARD BOUNDARY SURVEY
LAND OF
JAMES WERSACKAS
746 SOKOKIS TRAIL
WATERBORO, MAINE

DESIGNED D. Sherman	DATE January 2020
DRAWN Dept	SCALE 1"=100'
CHECKED R. Libby	JOB. NO. 21024

SHEET
2

REPRODUCTION OR REUSE OF THIS DOCUMENT WITHOUT THE EXPRESSED WRITTEN CONSENT OF BH2M INC. IS PROHIBITED.

EROSION AND SEDIMENT CONTROL PLAN

THIS PLAN HAS BEEN DEVELOPED AS A STRATEGY TO CONTROL SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION. THIS PLAN IS BASED ON THE STANDARDS AND SPECIFICATIONS FOR EROSION PREVENTION IN DEVELOPING AREAS AS CONTAINED IN THE LATEST REVISION TO THE 2016 MAINE EROSION AND SEDIMENT CONTROL BMP'S MANUAL FOR DESIGNERS AND ENGINEERS, AND THE LATEST REVISION TO THE 2014 MAINE EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONTRACTORS. SEE MANUALS FOR ADDITIONAL INFORMATION AND DETAILS.

DURING CONSTRUCTION THE DEVELOPER/APPLICANT OR THEIR REPRESENTATIVES WILL BE RESPONSIBLE FOR IMPLEMENTING THE EROSION AND SEDIMENT CONTROL BMP'S AS WELL AS ROUTINE INSPECTIONS AND MAINTENANCE OF THE BMP'S.

THE PROPOSED LOCATIONS OF SILTATION AND EROSION CONTROL STRUCTURES ARE SHOWN ON THE SITE PLAN.

- ALL CONSTRUCTION INSPECTIONS SHALL BE CONDUCTED BY SOMEONE WITH KNOWLEDGE OF EROSION AND STORMWATER CONTROL, INCLUDING STANDARDS AND PERMIT CONDITIONS. CONSTRUCTION INSPECTIONS SHALL BE PERFORMED AT LEAST ONCE A WEEK, AND PRIOR TO AND 24 HOURS AFTER A WET WEATHER EVENT (1 INCH OR MORE IN A 24 HOUR PERIOD). CONSTRUCTION INSPECTION AND CORRECTIVE ACTION DOCUMENTATION RECORDS SHALL BE MAINTAINED FOR A MINIMUM OF 5 YEARS.
- THE SCOPE OF CONSTRUCTION INSPECTIONS INCLUDE THE EROSION AND SEDIMENTATION CONTROL MEASURES AS WELL AS DISTURBED AREAS, MATERIAL STORAGE AREAS, AND LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE.
- ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE IN ACCORDANCE WITH THE "MAINE EROSION AND SEDIMENT CONTROL BMP'S", DEPARTMENT OF ENVIRONMENTAL PROTECTION, LATEST REVISION.
- THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTRATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 7 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 7 DAYS OF INITIAL DISTURBANCE OF THE SOIL. IF THE DISTURBANCE IS WITHIN 75 FEET OF A WETLAND OR WATERBODY, THE AREA SHALL BE STABILIZED WITHIN 2 DAYS OR PRIOR TO ANY STORM EVENT, WHICHEVER COMES FIRST.
- EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN 1 ACRES OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
- EXPOSED AREA SHOULD BE LIMITED TO THAT WHICH CAN BE MULCHED IN ONE DAY.
- CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED SUCH THAT NO MORE THAN ONE ACRE OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION.
- SEDIMENT BARRIERS (EROSION CONTROL MIX, STONE CHECK DAMS, STABILIZED CONSTRUCTION ENTRANCE, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM. THE CONTRACTOR SHALL MAINTAIN THE STABILIZED CONSTRUCTION ENTRANCE UNTIL ALL DISTURBED AREAS ARE STABILIZED.
- INSTALL EROSION CONTROL MIX AT TOE OF SLOPES TO FILTER SILT FROM RUNOFF. SEE E.C. MIX DETAIL FOR PROPER INSTALLATION. EROSION CONTROL MIX WILL REMAIN IN PLACE UNTIL NOTE #7. THE USE OF AN EROSION CONTROL MIX BERM IS PROHIBITED AT THE BASE OF SLOPES STEEPER THAN 1:1 TO WHERE THERE IS FLOWING WATER.
- ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED, AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY BEFORE AND FOLLOWING ANY SIGNIFICANT RAINFALL (0.5 INCH OR MORE IN A 24-HOUR PERIOD) OR SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. IF AN INSPECTION DETERMINES THAT A CORRECTIVE ACTION IS REQUIRED, THE ACTION OR REPAIR SHALL BE STARTED BY THE END OF THE NEXT WORKDAY AND COMPLETED WITHIN SEVEN DAYS OR BEFORE THE NEXT STORM EVENT. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE STABILIZED BY TURF. EROSION CONTROL MEASURES REMOVED WITHIN 30 DAYS OF PERMANENT STABILIZATION. PERMANENT STABILIZATION IS 90% GRASS CATCH IN VEGETATED AREAS.
- NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN ONE AND ONE HALF TO ONE (1.5 TO 1).
- IF FINAL SEEDING OF THE DISTURBED AREA IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST, USE TEMPORARY MULCHING (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
- TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED BY AUG. 15 TO 45 DAYS PRIOR TO THE FIRST KILLING FROST (OCT. 1) TO PROTECT FROM SPRING RUNOFF PROBLEMS.
- DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT WILL BE RETURNED TO THE SITE AND REGRADED INTO OPEN AREAS. POST SEEDING SEDIMENT, IF ANY WILL BE DISPOSED OF IN AN ACCEPTABLE MANNER.
- REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND PREPARED FOR FINAL SEEDING AS FOLLOWS:
 - FOUR INCHES OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE.
 - APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE FERTILIZER IS APPLIED AT THE RATE OF 800 POUNDS PER ACRE OR 18.4 POUNDS PER 1000 SQUARE FEET USING 10-20-20 (N-P2O5-K2O) OR EQUIVALENT. APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 LB PER 1,000 SQ. FT.).
 - FOLLOWING SEED BED PREPARATION, DITCHES AND BACK SLOPES WILL BE SEED TO A MIXTURE OF 47% CREEPING RED FESCUE, 5% REDTOP, AND 48% TALL FESCUE. THE LAWN AREAS WILL BE SEED TO A MIXTURE OF 44% KENTUCKY BLUEGRASS, 44% CREEPING RED FESCUE, AND 12% PERENNIAL RYEGRASS. SEEDING RATE IS 1.03 LBS PER 1000 SQ. FT. LAWN QUALITY SOD MAY BE SUBSTITUTED FOR SEED. SEED MIX SHALL CONTAIN 10% ANNUAL RYE GRASS.
 - HAY MULCH AT THE RATE OF 70-90 LBS PER 1000 SQUARE FEET FOR OVER 75% COVERAGE. FOR UNPROTECTED OR WINDY AREAS, ANCHOR MULCH WITH PEG AND TRINE (1:1 SQ. YD./BLOCK). HYDRAULIC MULCHES MAY ALSO BE USED. APPLIED AT A RATE OF 5 LBS PER 1000 SQUARE FEET FOR PAPER MULCH OR 40 LBS PER 1000 SQUARE FEET OR AS DIRECTED BY THE MANUFACTURER. ON SLOPES GREATER THAN 3:1 EROSION CONTROL MIX MAY BE USED. SEE EROSION CONTROL MIX NOTES BELOW.
 - FOR DISTURBED AREAS TO BE MAINTAINED IN POST-CONSTRUCTION AS A MEADOW BUFFER, APPLY NEW ENGLAND CONSERVATION WILDLIFE MIX BY NEW ENGLAND WETLAND PLANTS, INC., OF AMHERST, MASSACHUSETTS OR APPROVED EQUAL.
- ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS ONCE THE SITE IS STABILIZED WITH 90% GRASS CATCH IN VEGETATED AREAS. TEMPORARY EROSION AND SEDIMENT CONTROL BLANKET SHALL BE USED IN ALL DITCHES AND SWALES AS SHOWN IN DETAILS.
- WETLANDS WILL BE PROTECTED WITH EROSION CONTROL MIX OR SILT FENCE INSTALLED AT THE EDGE OF THE WETLAND OR THE BOUNDARY OF WETLAND DISTURBANCE. ALL AREAS WITHIN 75 FEET OF A PROTECTED NATURAL RESOURCE MUST BE PROTECTED WITH A DOUBLE ROW OF SEDIMENT BARRIERS DURING WINTER CONSTRUCTION.
- ALL STORMWATER WILL BE PREVENTED FROM RUNNING ONTO STOCKPILES. SEDIMENT BARRIERS WILL BE INSTALLED DOWNGRADIENT OF ALL STOCKPILES.
- PERMANENT POST-CONSTRUCTION BMP'S (VEGETATED SWALES, WET PONDS, ETC.) WILL NOT BE USED TO MANAGE FLOWS DURING CONSTRUCTION WITHOUT SPECIAL PROTECTION AND/OR RESTORATION.

ADDITIONAL TEMPORARY SEED MIXTURE (FOR PERIODS LESS THAN 12 MONTHS)

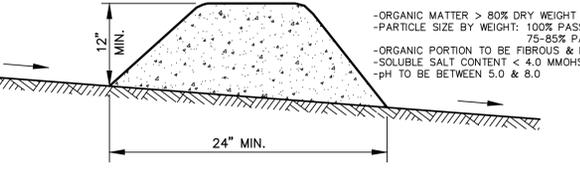
SEASON	SEED	BALANCE
SUMMER (5/15 - 8/15)	SUDANGRASS	40 LBS/ACRE
	OATS	80 LBS/ACRE
LATE SUMMER/EARLY FALL (8/15 - 9/15)	PERENNIAL RYEGRASS	40 LBS/ACRE
FALL (9/15 - 11/1)	WINTER RYE	112 LBS/ACRE
WINTER (11/1 - 4/1)	MULCH W/ DORMANT SEED	80 LBS/ACRE**
SPRING (4/1 - 7/1)	OATS	80 LBS/ACRE
	ANNUAL RYEGRASS	40 LBS/ACRE

**SEED RATE ONLY

EROSION CONTROL MIX

EROSION CONTROL MIX (ECM) SHALL MEET THE REQUIREMENTS PROVIDED IN THE LATEST REVISION OF MAINE DEP'S EROSION AND SEDIMENTATION CONTROL BMP MANUAL. ECM IS ACCEPTABLE FOR USE ON SLOPES UP TO 1:1 BUT LESS THAN 2:1. ECM SHALL CONSIST OF WELL-GRADED ORGANIC COMPONENT 50 - 100% OF DRY WEIGHT, AND COMPRISED OF FIBROUS AND ELONGATED FRAGMENTS. ECM SHALL BE FREE FROM REFUSE, MATERIAL TOXIC TO PLANT GROWTH OR CONSTRUCTION DEBRIS. ECM SHALL BE EVENLY DISTRIBUTED AND APPLIED AT A THICKNESS OF 2" ON 3:1 SLOPES, WITH AN ADDITIONAL 1/2" PER 20' OF SLOPE FOR A MAXIMUM OF 100' IN LENGTH. SLOPES GREATER THAN 3:1, ECM SHALL BE APPLIED AT THICKNESS OF 4" OR 5" FOR SLOPES GREATER THAN 60' IN LENGTH.

NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN ONE AND ONE HALF TO ONE (1.5:1). EROSION CONTROL MIX IS AN ACCEPTABLE STABILIZATION MEASURE FOR SLOPES UP TO 1:1, WITH LIMITS THAT ARE COVERED BY NOTES ON THIS SHEET. SLOPES BETWEEN 3:1 AND 2:1 SHALL BE STABILIZED WITH EROSION CONTROL BLANKETS, AND ALL SLOPES GREATER THAN 2:1 SHALL BE STABILIZED WITH RIPRAP. SEE SLOPE STABILIZATION DETAIL FOR ADDITIONAL INFORMATION.



MIX BERM
NTS

EROSION CONTROL DURING CONSTRUCTION

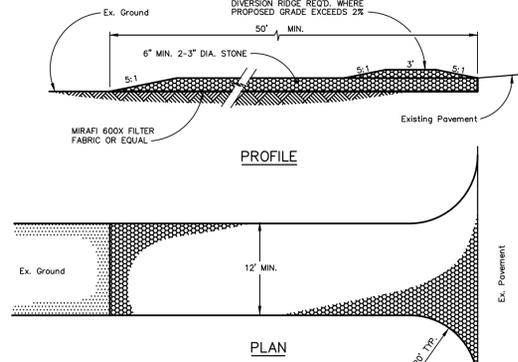
- WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15
- OVERWINTER STABILIZATION OF DITCHES AND CHANNELS: ALL STONE-LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED BY NOVEMBER 15. ALL GRASS LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED BY SEPTEMBER 1. THE DEPARTMENT WILL BE TAKEN TO STABILIZE THE DITCH FOR LATE FALL AND WINTER.
 - INSTALL A SOD LINING IN THE DITCH: A DITCH MUST BE LINED WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES: PINNING THE SOD ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL. ANCHORING SOD AT THE BASE OF THE DITCH WITH JUTE OR PLASTIC MESH TO PREVENT THE SOD FROM SLOUGHING DURING FLOW CONDITIONS. SEE THE PERMANENT VEGETATION BMP SECTION.
 - INSTALL A STONE LINING IN THE DITCH: A DITCH MUST BE LINED WITH STONE RIPRAP BY NOVEMBER 15. A REGISTERED PROFESSIONAL ENGINEER MUST BE HIRED TO DETERMINE THE STONE SIZE AND LINING THICKNESS NEEDED TO WITHSTAND THE ANTICIPATED FLOW VELOCITIES AND FLOWS WITHIN THE DITCH. IF NECESSARY, THE CONTRACTOR WILL REGRADE THE DITCH PRIOR TO PLACING THE STONE LINING SO TO PREVENT THE STONE LINING FROM REDUCING THE DITCH'S CROSS-SECTIONAL AREA.
- OVERWINTER STABILIZATION OF DISTURBED SLOPES: ALL STONE-COVERED SLOPES MUST BE CONSTRUCTED AND STABILIZED BY NOVEMBER 15. ALL SLOPES TO BE VEGETATED MUST BE SEED AND MULCHED BY SEPTEMBER 1. IF A SLOPE TO BE VEGETATED IS NOT STABILIZED BY SEPTEMBER 1, THEN ONE OF THE FOLLOWING ACTIONS MUST BE TAKEN TO STABILIZE THE SLOPE FOR LATE FALL AND WINTER: STABILIZE THE SOIL WITH TEMPORARY VEGETATION AND EROSION CONTROL MATS. BY OCTOBER 1 THE DISTURBED SLOPE MUST BE SEED WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET AND THEN INSTALL EROSION CONTROL MATS OR ANCHORED MULCH OVER THE SEEDING IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR FAILS TO COVER AT LEAST 75% OF THE SLOPE BY NOVEMBER 1, THEN THE CONTRACTOR WILL COVER THE SLOPE WITH A LAYER OF EROSION CONTROL MIX OR WITH STONE RIPRAP AS DESCRIBED IN THE FOLLOWING STANDARDS.
 - STABILIZE THE SOIL WITH SOD: THE DISTURBED SLOPE MUST BE STABILIZED WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES THE CONTRACTOR PINNING THE SOD ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL. THE CONTRACTOR WILL NOT USE LATE SEASON SOD INSTALLATION TO STABILIZE SLOPES HAVING A GRADE GREATER THAN 33% (3H:1V) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.
 - STABILIZE THE SOIL WITH EROSION CONTROL MIX: EROSION CONTROL MIX MUST BE PROPERLY INSTALLED BY NOVEMBER 15. THE CONTRACTOR WILL NOT USE EROSION CONTROL MIX TO STABILIZE SLOPES HAVING GREATER THAN 30% (3H:1V) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE. SEE THE EROSION CONTROL MIX NOTES FOR ADDITIONAL CRITERIA.
 - STABILIZE THE SOIL WITH STONE RIPRAP: PLACE A LAYER OF STONE RIPRAP ON THE SLOPE BY NOVEMBER 15. THE DEVELOPER'S OWNER WILL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE NEEDED FOR STABILITY ON THE SLOPE AND TO DESIGN A FILTER LAYER FOR UNDERNEATH THE RIPRAP.
- OVERWINTER STABILIZATION OF UNDISTURBED SOILS: BY SEPTEMBER 15, ALL DISTURBED SOILS ON AREAS HAVING A SLOPE LESS THAN 15% MUST BE SEED AND MULCHED. IF THE DISTURBED AREAS ARE NOT STABILIZED BY THIS DATE, THEN ONE OF THE FOLLOWING ACTIONS MUST BE TAKEN TO STABILIZE THE SOIL FOR LATE FALL AND WINTER.
 - STABILIZE THE SOIL WITH TEMPORARY VEGETATION: BY OCTOBER 1, SEED THE DISTURBED SOIL WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET LIGHTLY MULCH THE SEEDS WITH HAY OR STRAW AT 75 POUNDS PER 1000 SQUARE FEET, AND ANCHOR THE MULCH WITH PLASTIC NETTING. MONITOR GROWTH OF THE RYE. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR FAILS TO COVER AT LEAST 75% OF THE DISTURBED SOIL BEFORE NOVEMBER 1, THEN MULCH THE AREA FOR OVER-WINTER PROTECTION AS DESCRIBED BELOW.
 - STABILIZE THE SOIL WITH SOD: STABILIZE THE DISTURBED SOIL WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES PINNING THE SOD ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL.
 - STABILIZE THE SOIL WITH MULCH: MULCH THE DISTURBED SOIL BY SPREADING HAY OR STRAW AT A RATE OF AT LEAST 150 POUNDS PER 1000 SQUARE FEET ON THE AREA SO THAT NO SOIL IS VISIBLE THROUGH THE MULCH. IMMEDIATELY AFTER APPLYING THE MULCH, ANCHOR THE MULCH WITH PLASTIC NETTING TO PREVENT WIND FROM MOVING THE MULCH OFF THE DISTURBED SOIL. PROVIDE NETTING ON ALL SLOPES GREATER THAN 8%.
- MAINTENANCE: IF AN INSPECTION DETERMINES THAT A CORRECTIVE ACTION IS REQUIRED, THE ACTION OR REPAIR SHALL BE STARTED BY THE END OF THE NEXT WORKDAY AND COMPLETED WITHIN SEVEN DAYS OR BEFORE THE NEXT STORM EVENT. MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION SEASON. ONCE A WEEK AND BEFORE AND AFTER EACH RAINFALL, SNOW STORAGE, OR OTHER MAINTENANCE OPERATION, THE CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL INSTALLED EROSION CONTROL MEASURES AND PERFORM REPAIR AS NEEDED TO INSURE THE FUNCTIONING OF THESE MEASURES. FOLLOWING THE FINAL SEEDING AND MULCHING, THE CONTRACTOR SHALL IN THE SPRING, INSPECT AND REPAIR ANY DAMAGES AND/OR BARE SPOTS. AN ESTABLISHED VEGETATIVE COVER MEANS A MINIMUM OF 85 TO 90% OF AREAS VEGETATED WITH VIGOROUS GROWTH.

STABILIZATION SCHEDULE BEFORE WINTER:

 - SEPTEMBER 15: ALL DISTURBED AREAS MUST BE SEED AND MULCHED. ALL SLOPES GREATER THAN 3:1 MUST BE STABILIZED WITH MULCH OR AN EROSION CONTROL BLANKET.
 - OCTOBER 1: IF THE SLOPE IS STABILIZED WITH AN EROSION CONTROL BLANKET AND SEEDS, ALL DISTURBED AREAS TO BE PROTECTED WITH AN ANNUAL GRASS MUST BE SEED AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET AND MULCHED.
 - NOVEMBER 15: ALL STONE LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED. SLOPES THAT ARE COVERED WITH RIPRAP MUST BE CONSTRUCTED BY THAT DATE.
 - DURING WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT.
 - AREAS WITHIN 75 FEET OF STREAMS, WETLANDS, AND OTHER PROTECTED NATURAL RESOURCES THAT ARE NOT STABILIZED WITH VEGETATION BY DEC. 1 SHALL BE MULCHED AND PROTECTED WITH NETTING. IF WORK CONTINUES IN THIS AREA DURING THE WINTER, A DOUBLE LINE OF SEDIMENT BARRIERS MUST BE USED.

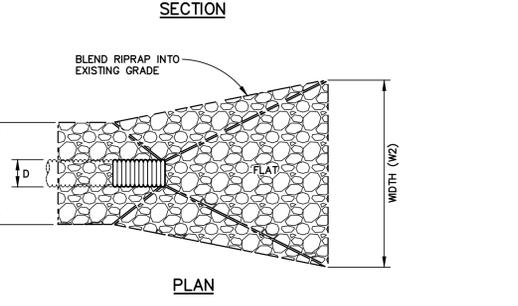
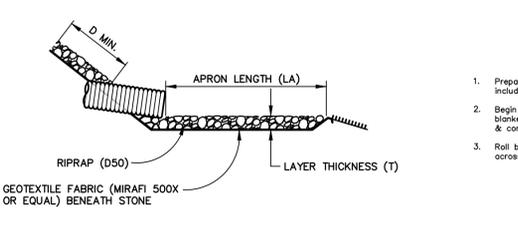
HOUSEKEEPING

- SPILL PREVENTION: CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM BEING DISCHARGED FROM MATERIALS 1. ON SITE, INCLUDING STORAGE PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORMWATER, AND APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLANNING AND RESPONSE.
- GROUNDWATER PROTECTION: DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER MAY NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO AN INFILTRATION AREA. AN INFILTRATION AREA IS ANY AREA OF THE SITE THAT BY THE NATURE OF ITS USE OR RESULT OF SOILS, TOPOGRAPHY, AND OTHER RELEVANT FACTORS ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL, DIKES, BERMS, SUMPS, AND OTHER FORMS OF SECONDARY CONTAMINATION THAT PREVENT DISCHARGE TO GROUNDWATER. IT MUST BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF THESE MATERIALS.
- FLUGITIVE SEDIMENT AND DUST: ACTIONS MUST BE TAKEN TO ENSURE THAT ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FLUGITIVE DUST EMISSIONS DURING OR AFTER CONSTRUCTION. GULCH MY NOT BE USED FOR DUST CONTROL. ANY OFFSITE TRACKING OF MUD OR SEDIMENT SHALL BE VACUUMED IMMEDIATELY AND PRIOR TO THE NEXT SIGNIFICANT STORM EVENT.
- DEBRIS AND OTHER MATERIALS: LITTER, CONSTRUCTION DEBRIS, AND CHEMICALS EXPOSED TO STORMWATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.
- TRENCH OR FOUNDATION DE-WATERING: TRENCH DE-WATERING IS THE REMOVAL OF WATER FROM TRENCHES, FOUNDATIONS, COFFER DAMS, POND, AND OTHER AREAS WITHIN THE CONSTRUCTION AREA THAT RETAIN WATER AFTER EXCAVATION. IN MOST CASES THE COLLECTED WATER IS HEAVILY SILTIED AND HINDERS CORRECT SAFE CONSTRUCTION PRACTICES. THE COLLECTED WATER MUST BE REMOVED FROM THE PONDING AREA EITHER THROUGH GRAVITY OR PUMPING, AND MUST BE SPREAD THROUGH NATURAL WOODDED BUFFERS OR REMOVED TO AREAS THAT ARE SPECIFICALLY DESIGNED TO COLLECT THE MAXIMUM AMOUNT OF SEDIMENT POSSIBLE, LIKE A COFFERDAM/ SEDIMENTATION BASIN AVOID ALLOWING THE WATER TO FLOW OVER DISTURBED AREAS OF THE SITE. EQUIVALENT MEASURES MAY BE TAKEN IF APPROVED BY THE DEPARTMENT.
- NON-STORMWATER DISCHARGES: IDENTIFY AND PREVENT CONTAMINATION BY NON-STORMWATER DISCHARGES. WHERE ALLOWED NON-STORMWATER DISCHARGES EXIST, THEY MUST BE IDENTIFIED AND STEPS SHOULD BE TAKEN TO ENSURE THE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION MEASURES FOR THE NON-STORMWATER COMPONENT(S) OF THE DISCHARGE. AUTHORIZED NON-STORMWATER DISCHARGES ARE:
 - DISCHARGES FROM FIREFIGHTING ACTIVITY;
 - FIRE HYDRANT FLUSHINGS;
 - VEHICLE WASHWATER IF DETERGENTS ARE NOT USED AND WASHING IS LIMITED TO THE EXTERIOR OF VEHICLES (ENGINE, UNDERCARRIAGE, AND TRANSMISSION WASHING IS PROHIBITED);
 - DUST CONTROL RUNOFF IN ACCORDANCE WITH PERMIT CONDITIONS AND APPENDIX (C)(3) OF MAINE DEP 06-096 CHAPTER 500;
 - ROUTINE EXTERNAL BUILDING WASHDOWN, NOT INCLUDING SURFACE PAINT REMOVAL, THAT DOES NOT INVOLVE DETERGENTS;
 - PAVEMENT WASHWATER (WHERE SPILLS/LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED, UNLESS ALL SPILLED MATERIAL HAD BEEN REMOVED) IF DETERGENTS ARE NOT USED;
 - UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE;
 - UNCONTAMINATED GROUNDWATER OR SPRING WATER;
 - FOUNDATION OR FOOTER DRAIN-WATER WHERE FLOWS ARE NOT CONTAMINATED;
 - UNCONTAMINATED EXCAVATION DEWATERING (SEE REQUIREMENTS IN APPENDIX (C) MAINE DEP 06-096 CHAPTER 500);
 - POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS; AND
 - LANDSCAPE IRRIGATION.
- UNAUTHORIZED NON-STORMWATER DISCHARGES: THE DEPARTMENT'S APPROVAL UNDER THIS CHAPTER DOES NOT AUTHORIZE A DISCHARGE THAT IS MIXED WITH A SOURCE OF NON STORMWATER, OTHER THAN THOSE DISCHARGES IN COMPLIANCE WITH APPENDIX (C) MAINE DEP 06-096 CHAPTER 500. SPECIFICALLY, THE DEPARTMENTS APPROVAL DOES NOT AUTHORIZE DISCHARGES OF THE FOLLOWING:
 - WASTEWATER FROM THE WASHOUT OR CLEANOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS OR OTHER CONSTRUCTION MATERIALS;
 - FUELS, OILS OR OTHER FLUIDS FROM VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE;
 - SOAPS, SOLVENTS, OR DETERGENTS USED IN VEHICLE AND EQUIPMENT WASHING; AND
 - TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE.
- ADDITIONAL REQUIREMENTS: ADDITIONAL REQUIREMENTS MAY BE APPLIED ON A SITE-SPECIFIC BASIS.



NOTES:
THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY.
WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

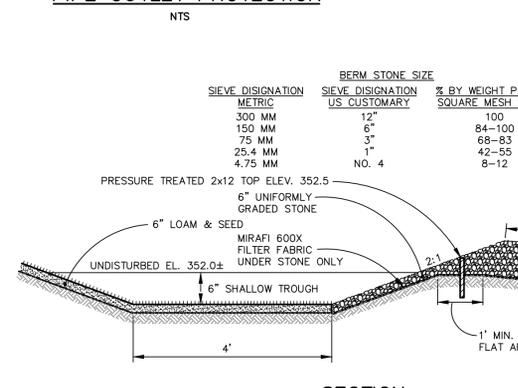
STABILIZED CONSTRUCTION ENTRANCE
NTS



APRON SCHEDULE

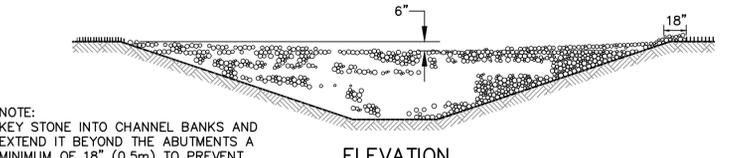
CULV. DIA. (D)	D50 (IN.)	T (IN.)	LA (FT.)	W1 (FT.)	W2 (FT.)
12" OR LESS	6"	15"	10'	3'	13'
15"	6"	15"	10'	3.75'	14'
18"	6"	15"	12'	4.5'	17'
24"	6"	15"	14'	6'	20'
30"	6"	15"	18'	7.5'	23'
36"	6"	18"	14'	6'	20'
42"	12"	24"	30'	10.5'	41'
48"	12"	24"	30'	12'	46'
60"	18"	30"	38'	12'	53'

PIPE OUTLET PROTECTION
NTS

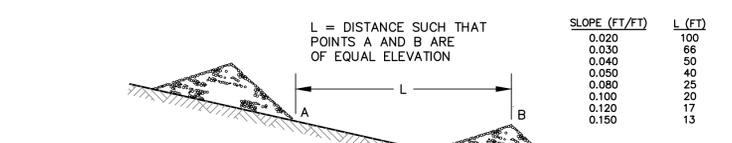
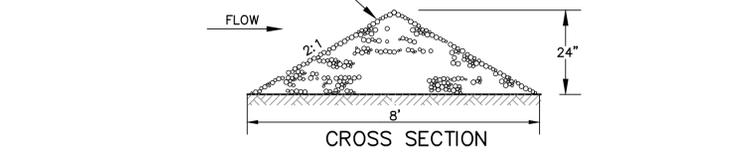


- CONSTRUCTION SPECIFICATIONS:**
- SPREADERS SHALL BE INSTALLED WITH A LEVEL INSTRUMENT. CONSTRUCT LEVEL LIP TO OR GRADE TO ENSURE UNIFORM SHEET FLOWLEVEL. SPREADER SHALL BE CONSTRUCTED ON UNDISTURBED SOIL.
 - SELECTED GEOTEXTILE FABRIC BASED ON UNDISTURBED SOILS (SANDS, SILTS, CLAYS, ETC.).
 - PLACE UNIFORMLY GRADED STONE (SEE TABLE 5-3).
 - THE INLET DITCH SHALL NOT EXCEED A 1% GRADE AT LEAST 20 FEET BEFORE ENTERING THE SPREADER.
 - STORM RUN-OFF CONVERTED TO SHEET FLOW ACROSS OUTLET APRON SHALL FLOW INTO STABILIZED AREAS. AREAS. RUNOFF SHALL NOT BE RECONCENTRATED IMMEDIATELY BELOW THE POINT OF DISCHARGE.
 - PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PROVIDED.
 - CONSTRUCTION OF LEVEL LIP SPREADER SHALL BE FROM UPWIND SIDE ONLY. LEVEL LIP AND AREA BELOW SPREADER SHALL BE AT EXISTING GRADE AND UNDISTURBED BY EARTHWORK OR EQUIPMENT EXCEPT AS NOTED ON PLAN.
 - CONSTRUCT SPREADER WITH LIP AT EXISTING ELEVATION AS SPECIFIED.
 - DOWN GRADIENT AND RECEIVING AREA MUST BE NATURALLY WELL VEGETATED.
 - DISCHARGE NOT PERMITTED WITHIN 25' OF A STREAM OR WETLAND, CONSULT DEP IF STRUCTURE MUST BE WITHIN 75' OF STREAM OR WATER BODY.

10' WIDE LEVEL LIP SPREADER
NTS

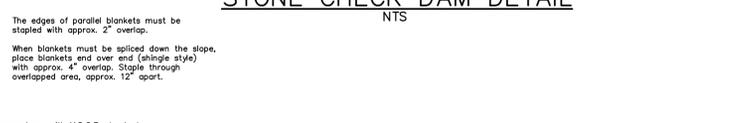


NOTE: KEY STONE INTO CHANNEL BANKS AND EXTEND IT BEYOND THE ABUTMENTS A MINIMUM OF 18" (0.5m) TO PREVENT FLOW AROUND DAM.

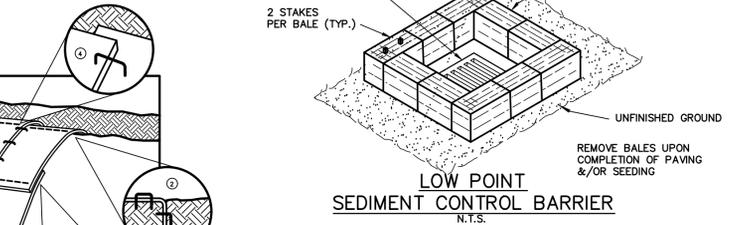


STONE CHECK DAM DETAIL
NTS

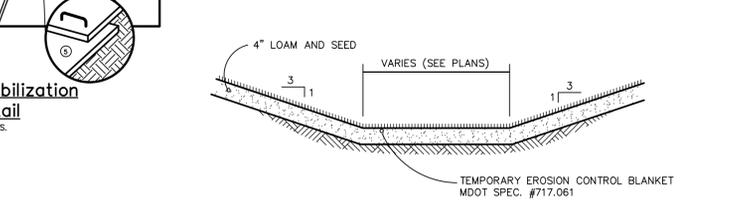
- Prepare soil before installing blankets, including lime, fertilizer & seed.
- Begin at top of slope by anchoring blanket in 6" x 6" trench. Backfill & compact trench after staping.
- Roll blankets down or horizontally across slope.
- The edges of parallel blankets must be stapled with approx. 2" overlap.
- When blankets must be spliced down the slope, place blankets end over end (single style) with approx. 4" overlap. Staple through overlapped area, approx. 12" apart.



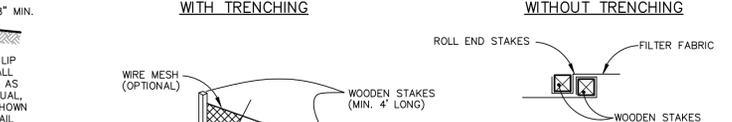
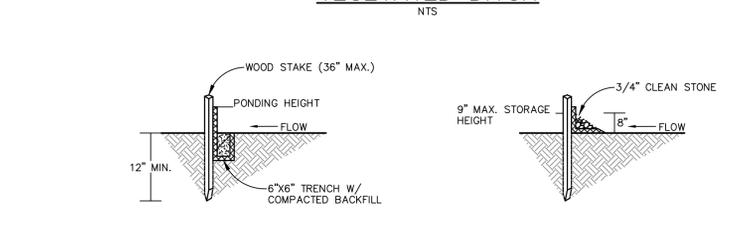
Slope Stabilization: Erosion Control Blanket shall be in accordance with M.D.O.T. standard specifications, Section 6.13. Temporary Erosion Control Blankets and Extended Use Erosion Control Blankets.



LOW POINT SEDIMENT CONTROL BARRIER
NTS



VEGETATED DITCH
NTS



- END POST DETAIL**
NTS
- KEY FABRIC IN A 6" X 6" TRENCH W/ BACKFILL.
 - SILT FENCE SHALL BE A 3" FENCE OF 120LB/M (W/ REINF. BACK OF 6" WIRE MESH) OR 200LB/M (W/ NO REINF. POSTS 6" O.C. MAX) OR 200LB/M (W/ NO REINF. POSTS 6" O.C. MAX).

SILT FENCE DETAIL
NTS

NO.	DATE	REVISION	DESCRIPTION
1	2/29/21	Drift to Client for Review	
2	2/10/21	Revised Per Client Comments	
3	5/7/21	Submitted Site Plan to Town	
4	5/19/21	Revised Per Town Comments	

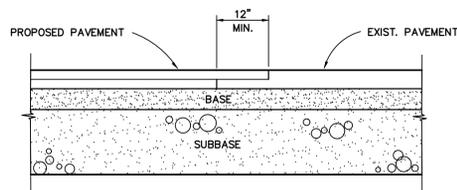


BH2M
Berry, Huff, McDonald, Milfigan Inc.
Engineers, Surveyors
3808 Main Street
Gorham, Maine 04038
Tel. (207) 839-2771
www.bh2m.com

FOR
James Wersackas
342 Webber Road
North Waterboro, ME 04061

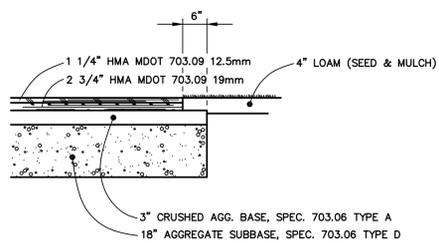
EROSION CONTROL DETAILS
LAND OF
JAMES WERSACKAS
746 SOKORSKI TRAIL
WATERBORO, MAINE

DESIGNED	DATE
A. Fagan	January 2020
DRAWN	SCALE
Dept	1"=20'
CHECKED	JOB. NO.
A. Morrell	21024

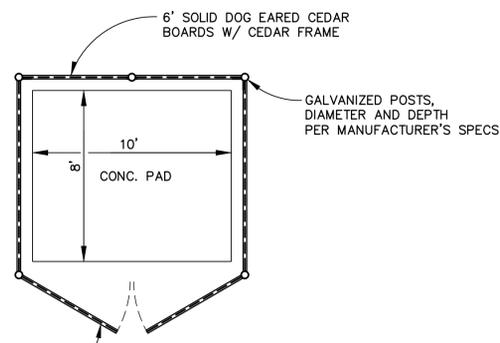


SAWCUT EXIST. PAVEMENT ALONG A SMOOTH LINE TO A NEAT EVEN VERTICAL JOINT, APPLY TACK PRIOR TO PROPOSED PAVING (AS REQ'D)

PAVEMENT JOINT DETAIL
N.T.S.

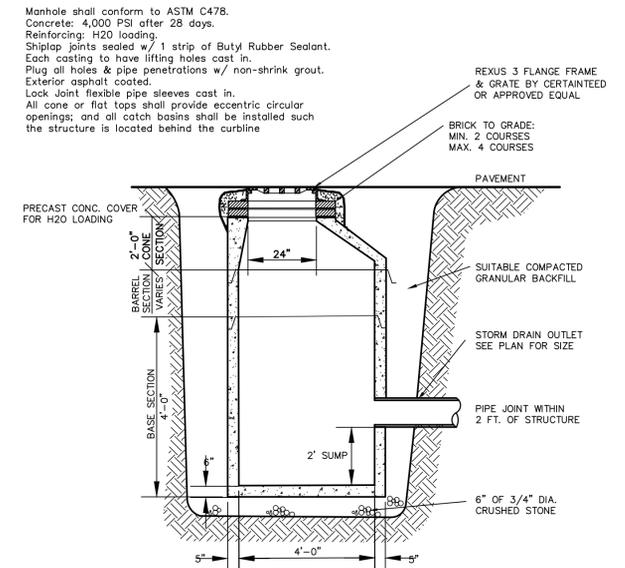


TYP. PAVEMENT DETAIL
NTS



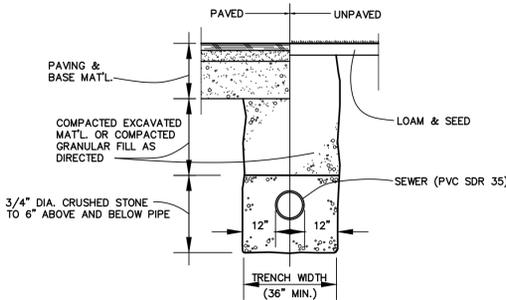
10' CEDAR GATE W/ GALVANIZED FRAME AND LATCHES

DUMPSTER ENCLOSURE
NTS

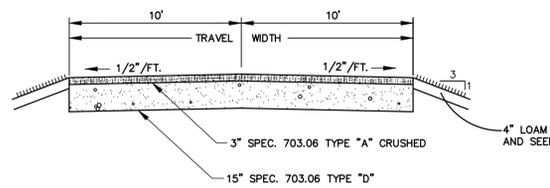


PRECAST CONCRETE CATCH BASIN DETAIL
N.T.S.

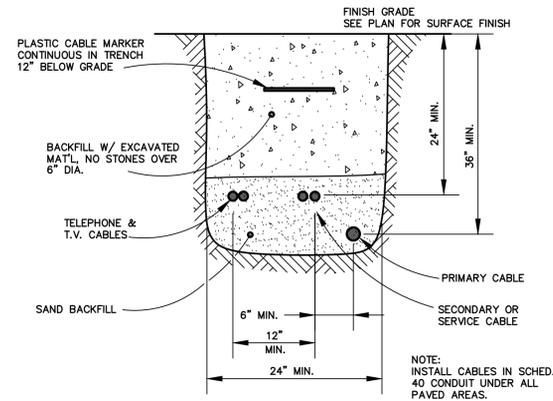
- NOTES:
- Trench width shown is payment width for rockexcavation & replacement of unsuitable material.
 - Do not mechanically compact directly over flexible pipe (e.g. PVC, Polyethylene)
 - Concrete pipe shall have sand bedding.



TRENCH DETAIL
NTS



GRAVEL DRIVEWAY
NTS



UNDERGROUND CABLE TRENCH
NTS

WP3LED150L-730WU **RAB**



Color: White Weight: 24.7 lbs

Project:	Type:		
Prepared By:	Date:		
Driver Info			
Type	Constant Current	Watts	100W
120V	0.83A	Color Temp	3000K (Warm)
208V	0.49A	Color Accuracy	73 CRI
240V	0.42A	L70 Lifespan	100,000 Hours
277V	0.36A	Lumens	14,534
Input Watts	99.1W	Efficacy	146.7 lm/W
LED Info			

Technical Specifications	Construction	Gaskets:
Compliance	Cold Weather Starting:	High-temperature silicone gaskets
UL Listed:	The minimum starting temperature is -30°C (-22°F)	Mounting:
Suitable for wet locations	Maximum Ambient Temperature:	Surface mount
IESNA LM-79 & IESNA LM-80 Testing:	40°C (104°F)	Finish:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.	Housing:	Formulated for high durability and long-lasting color
DLC Listed:	Die-cast aluminum	Green Technology:
This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. DLC Product Code: PGLNDAY6	Reflector:	Mercury and UV free. RoHS-compliant components.
Performance	Aluminum Alloy	
Lifespan:	Lens:	
100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations	Glass	
LED Characteristics		
LEDs:		
Multi-chip, high-output, long-life LEDs		

NO.	DATE	DESCRIPTION
1	2/6/21	Draft to Client for Review
2	2/10/21	Revised Per Client Comments
3	5/7/21	Submitted Site Plan to Town
4	5/19/21	Revised Per Town Comments



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FOR
James Wersackas
342 Webber Road
North Waterboro, ME 04061

STANDARD DETAILS
LAND OF
JAMES WERSACKAS
746 SOKOKIS TRAIL
WATERBORO, MAINE

DESIGNED A. Fagan	DATE January 2020
DRAWN Dept	SCALE 1"=20'
CHECKED A. Morrell	JOB. NO. 21024

SHEET
4

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