



July 25, 2018  
14135

Amanda Lessard, Planner  
Town of Windham, Maine  
8 School Road,  
Windham, Maine 04062

**Lots 5 – 7 of Quarry Ridge Business Park, Windham, Maine**  
**Response to Comments**

Dear Ms. Lessard,

We have reviewed the comments from your July 11<sup>th</sup> email regarding the proposed development of Lots 5-7 at Quarry Ridge Business Park and offer the below responses in the appropriate order.

**Planning (Amanda Lessard): July 11<sup>th</sup>, 2018**

1. An electronic copy of the submission?

**Response: An electronic submission of site plan application was emailed on July 12<sup>th</sup>, 2018. Also, a data CD with the submission is enclosed.**

2. Payment of application (\$850) and review escrow (\$2,000) fees?

**Response: The payment of application and review escrow fees will be mailed.**

3. Peak hour traffic? This is required as this project is subject to the North Route 302 Road Improvements Impact Fee. Per Section 1204, "A traffic analysis shall be conducted in order to determine the traffic impact and requisite impact fee total, as measured by additional vehicle trips to be generated by a development project that pass through the North Route 302 Capital Improvement District in the peak commuter hour."

**Response: A traffic analysis was completed and is enclosed for review.**

4. Are any signs proposed? If so, the plan should show the sign location and you should submit a front view with dimensions of the proposed sign.

**Response: One stop sign will be installed at the entrance of each lot; for a total of three.**

5. An Approval Block is not shown on the plan. This can be addressed post approval in plans that are printed for signature.

**Response: An Approval Block has been added to Sheet 4.**

6. Section 406.I.6.f states that all parking lots shall maintain a 30 ft setback from all property lines. The parking lots on the submitted plans appear to be within that setback.

**Response: We respectfully request a waiver to Section 406.I.6.f. Currently, as show, the minimum separation from the property lines is 20 feet. Phase I is a temporary layout, and the additional 10 feet allows for more useable space to facilitate vehicle arrangement. Phase II will combine Lots 5, 6, and 7, thereby removing the internal buffer areas and setback requirements. The westerly edge of pavement on Lot 5 was changed to achieve a 30-foot setback. Additionally, Phase II will remove the external lot lines from Lot 7.**

7. The rear of Lots 5, 6, and 7 abut the Farm Zone, a residential district. Section 406.I requires a 50-foot-wide buffer strip, where no parking area shall be located. This should be more clearly indicated on the plan. 20 feet nearest the boundary shall be maintained as a landscaped buffer strip as defined, and the remaining 30 feet of the buffer strip shall also be used and maintained as a suitable planting area for lawn with trees, shrubs or other landscape material.

**Response: The 50-foot buffer at the back of Lots 5, 6, and 7 will be maintained. The 50-foot buffer overlaps the pond in the Lot 5 vicinity. As Phase I is a temporary arrangement, grass will be planted in the buffer areas. Phase II will combine Lots 5, 6, and 7, therefore any trees or shrubs planted during Phase I would be removed.**

8. A plan note should reference the DEP Site Law Permit.

**Response: Note 18 on the site plan now includes the DEP Site Law Permit approval #L-18029-39-L-N.**

9. 14 Bedrock Drive as shown on your application submission is not the assigned address for this property. The applicant will need to contact the E911 Addressing Officer, Kara Taylor, in the Assessing Department prior to issuance of building permits.

**Response: We contacted Kara Taylor on July 24<sup>th</sup>, 2018. The new address is 11 Bedrock Terrace.**

**Civil Engineering (Jon Earle, PE): July 19<sup>th</sup>, 2018**

1. Under the Project Site narrative, you indicate that the impervious area for Lot 2 was increased from 3.0 to 4.6 acres while the impervious area from Lot 5 was decreased from 2.31 to 1.46 acres. This results in a net increase of 0.75 areas tributary to the existing detention pond #1. In speaking with Amanda, this was an approved change and part of the 2006 subdivision approval, but the narrative seems to indicate a net increase since then. Please clarify.

**Response: There is no additional net increase in impervious areas since the 2006 MDEP approval.**

2. As Amanda noted, a traffic analysis needs to be provided for the purposes of calculating the North Route 302 Traffic Impact Fee.

**Response: A traffic analysis was completed and is enclosed for review.**

3. A detailed breakdown of estimated sitework costs will need to be provided prior to the preconstruction meeting and start of construction for the performance guarantee and calculation of inspection fees. The amount of \$350,000 included in the project narrative generally seems reasonable for the project.

**Response: Please see the attached cost estimate for an itemized list of approximate site work costs. The total is higher than initially projected. Copart has the funds to complete the project.**

4. Will the Planning Board approved upgrades to Bedrock Terrace be completed in conjunction with the project? If not, you should comment on the adequacy of the existing gravel portion of Bedrock being able to accommodate the proposed development.

**Response: Yes, the approved upgrades to Bedrock Terrace will be completed in conjunction with this project.**

Upon your review of our responses, please contact me if you have any questions.

Sincerely,

SEBAGO TECHNICS, INC.



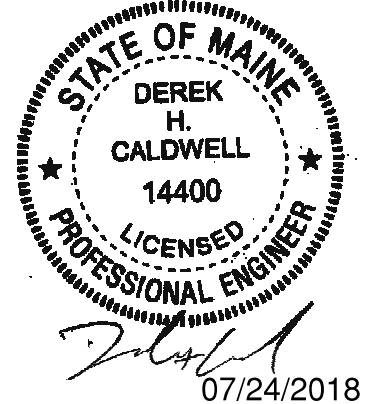
Craig A. Burgess, P.E.  
Project Manager/ Senior Project Engineer

CAB  
Enc.

## Memorandum

14135

**To:** Craig Burgess, P.E.  
**From:** Derek Caldwell, P.E., PTOE  
**Date:** July 24, 2018  
**Subject:** Trip Generation and Impact Fee Analysis  
Copart Inc.  
Quarry Ridge Business Park  
Windham, Maine



We have performed a trip generation estimate and impact fee calculation for the proposed Copart facility located within the Quarry Ridge Business Park in Windham, Maine. It is our understanding that for Phase 1 of this development, Lots 5, 6, and 7 of the business park are proposed to be improved to include gravel parking areas for auction vehicle storage.

It is expected that a maximum of 25 cars will be delivered to the site on a given day. This equates to approximately 8 car-carrier vehicles entering and exiting the site daily. Of these trips, it is expected that 25%, or 2 carrier vehicles, would enter and exit the site during the commuter peak hour. This equates to 4 total primary vehicle trips occurring during the peak hour. It is assumed that these primary trips would be split evenly between travelling to/from Route 302 Northbound and Southbound.

Section 1204 of the Town of Windham Land Use ordinance specifies the procedure for calculating the North Route 302 Road Improvements Impact Fee. Appendix A of the Land Use Ordinance states an impact fee of \$382.65 be assessed per primary peak hour trip through the intersection of Route 302 with Anglers Road/Whites Bridge Drive. The subject project site is located to the north of this intersection. Based upon the above described assumed trip distribution, 2 primary vehicle trips are projected to travel thru this intersection during the commuter peak hour. Therefore, the North Route 302 Road Improvement Impact Fee calculation is as follows:

$$\text{Impact Fee} = \$382.65 \times \text{Primary Trips}$$

$$\text{Impact Fee} = \$382.65 \times 2$$

$$\text{Impact Fee} = \$765.30$$

Prepared By: Sebago Technics, Inc.  
Date: 24-Jul-18

## Quarry Ridge Business Park - Opinion of Probable Costs

Development Costs					
Div.	Item Description	U/M	Quantity	Unit Cost	Total Cost
	<b>GENERAL CONDITIONS</b>				
	Mobilization	LS	1	\$7,500	\$7,500
					<b>\$7,500</b>
	<b>SITE CLEARING</b>				
	Clearing and Grubbing	CY	100	\$10	\$1,000
					<b>\$1,000</b>
	<b>EARTH MOVING</b>				
	Site Excavation	CY	1,000	\$5	\$5,000
	Site Fill	CY	1,000	\$6	\$6,000
	Ditch Grading	LF	1,200	\$10	\$12,000
	Erosion and Sedimentation Controls	LS	1	\$5,000	\$5,000
					<b>\$28,000</b>
	<b>BASES, BALLASTS, AND PAVING</b>				
	Driveway Subbase Gravel - Type D	CY	12,000	\$25	\$300,000
	Driveway Base Gravel - Type A	CY	2,500	\$30	\$75,000
					<b>\$375,000</b>
	<b>PLANTING</b>				
	Loam, seed & mulch	SY	3,000	\$5	\$13,500
					<b>\$13,500</b>
	<b>MISCELLANEOUS SITE ITEMS</b>				
	Signage	LS	1	\$500	\$500
	Fencing	LF	2,400	\$15	\$36,000
	Sliding Gates	EA	3	\$4,500	\$13,500
					<b>\$50,000</b>
				Subtotal	\$ 475,000.00
				5% Contingency	\$ 23,750.00
				Total	\$ 498,750.00

# QUARRY RIDGE BUSINESS PARK

ENTERPRISE DRIVE/BEDROCK TERRACE  
NORTH WINDHAM, MAINE

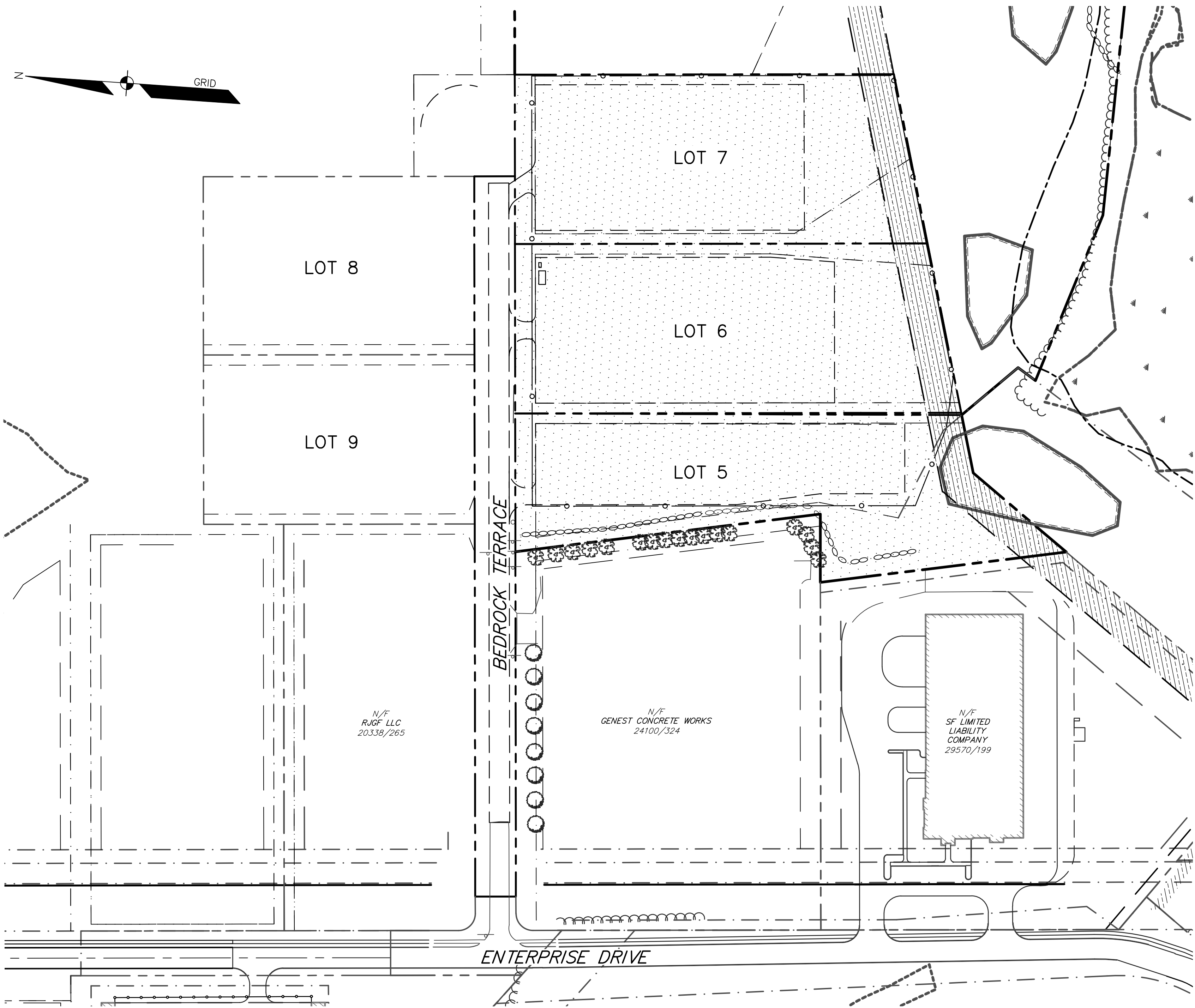
APPLICANT:  
COPART OF  
CONNECTICUT INC.

14185 DALLAS PARKWAY, SUITE 300  
DALLAS, TEXAS 75254

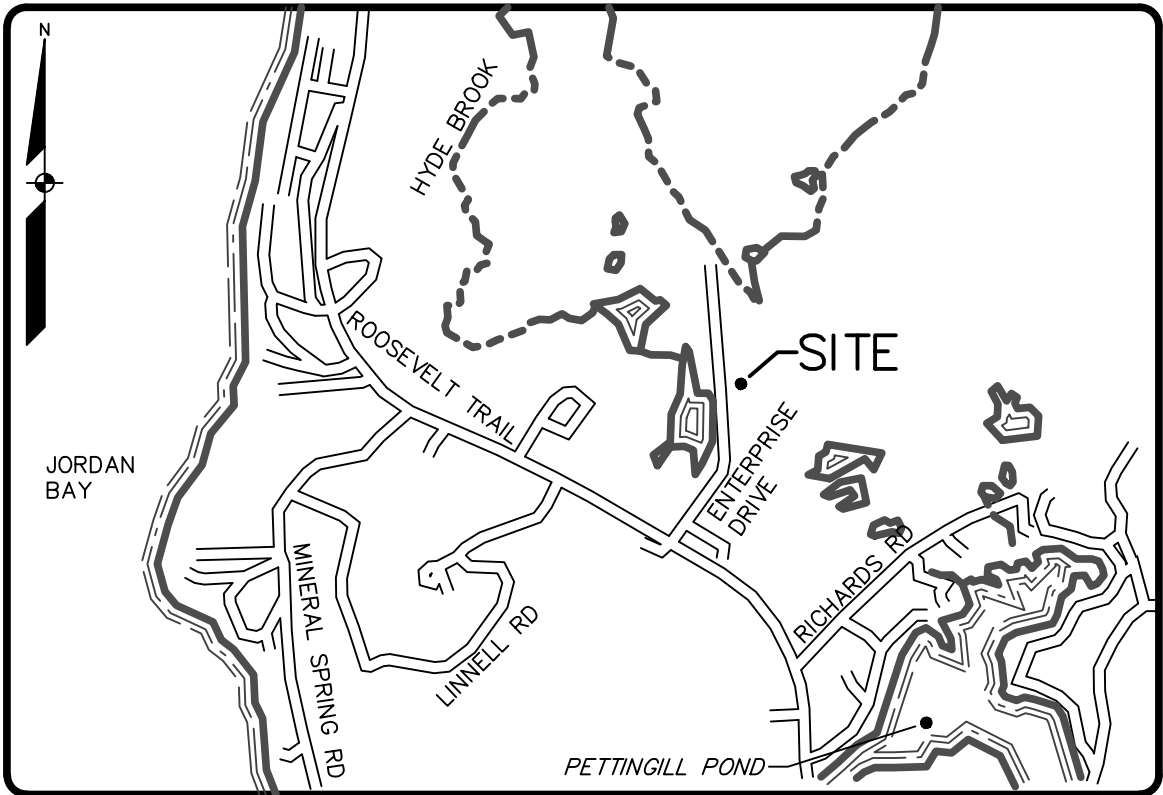
ENGINEER/SURVEYOR:

**SEBAGO**  
TECHNICS

WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100



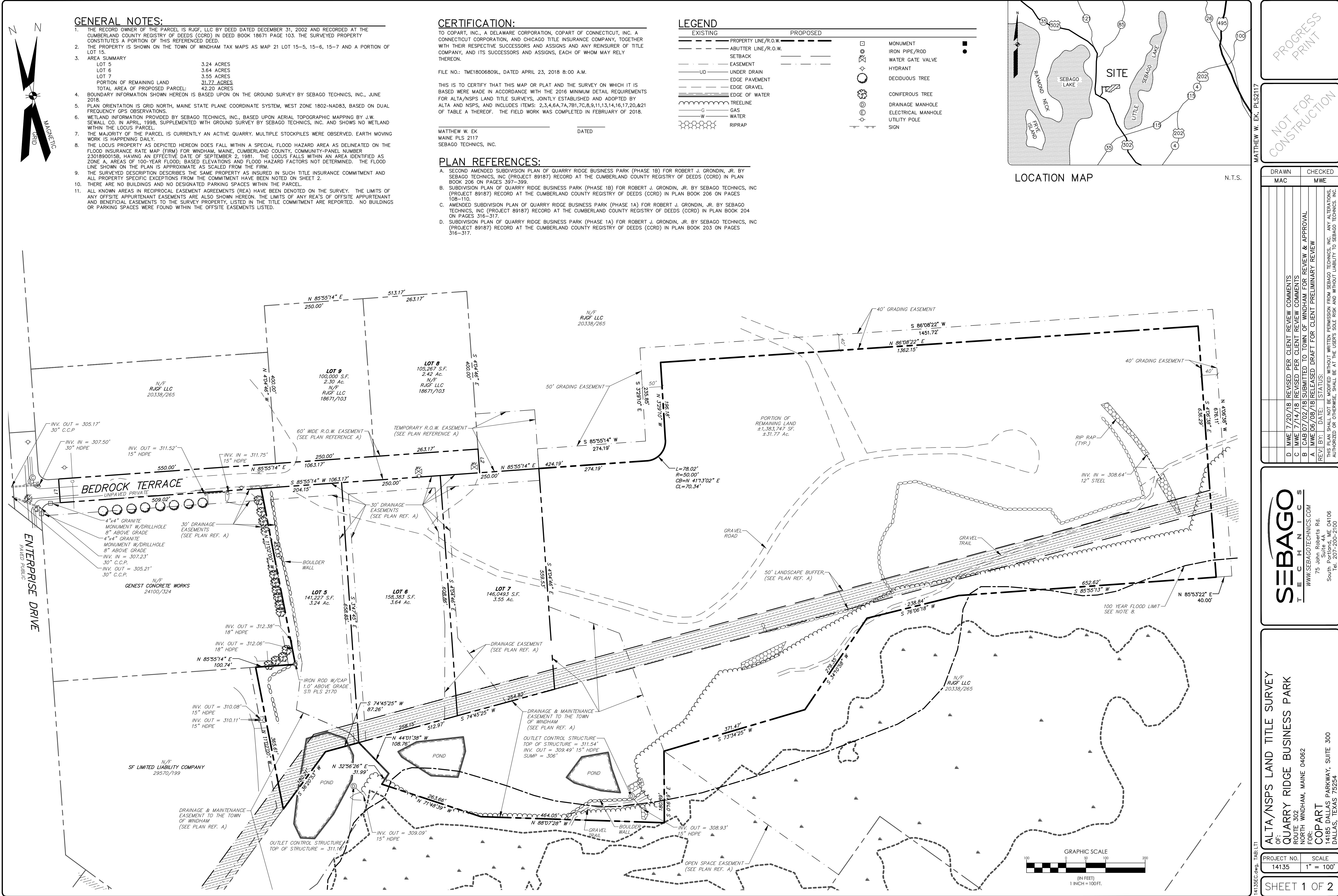
SCALE: 1" = 100'



## SHEET LIST TABLE

SHEET #	SHEET TITLE
1	COVER SHEET
2	ALTA - NSPS LAND TITLE SURVEY
3	ALTA - NSPS LAND TITLE SURVEY
4	OVERALL GRADING PLAN
5	GRADING PLAN - LOT 5
6	GRADING PLAN - LOT 6
7	GRADING PLAN - LOT 7
8	DETAILS
9	DETAILS





A LOT OR PARCELS OF LAND SITUATED ON THE SOUTHERLY SIDE OF AND ADJACENT TO BEDROCK TERRACE IN THE TOWN OF WINDHAM, COUNTY OF CUMBERLAND AND STATE OF MAINE AS SHOWN ON THE PARCEL EXHIBIT OF QUARRY RIDGE BUSINESS PARK FOR RJG, LLC. BY SEBAGO TECHINCS, INC. DATED FEBRUARY 2, 2018 AND BEING MORE PARTICULARLY BOUNDED AND DESCRIBED AS FOLLOWS;

THENCE N 85°-55'-14" E ALONG THE SOUTHERLY SIDELINE OF BEDROCK TERRACE AND AN EXTENSION THEREOF, A DISTANCE OF 978.34 FEET TO A POINT OF CURVATURE;

THENCE N 3°-29'-10" W A DISTANCE OF 196.18 FEET;

THENCE N 86°-08'-22" E A DISTANCE OF 1362.15 FEET;

THENCE S 04°-06'-38" E A DISTANCE OF 636.29 FEET;

THENCE S 85°-55'-13" W A DISTANCE OF 652.62 FEET;

THENCE S 76°-06'-18" W A DISTANCE OF 238.84 FEET;

THENCE S 34°-10'-58" W A DISTANCE OF 279.35 FEET

THENCE S 73°-34'-25" W A DISTANCE OF 371.47 FEET;

THENCE S 0°-16'-19" E A DISTANCE OF 180.89 FEET

THENCE N 88°07'28" W A DISTANCE OF 464.05 FEET;

THENCE N 71°-48'-39" W A DISTANCE OF 263.66 FEET

THENCE N 32°-56'-26" E, A DISTANCE OF 31.99 FEET;

THENCE N 44°-01'-38" W, A DISTANCE OF 108.76 FEET

THENCE S 74°-45'-25" W A DISTANCE OF 87.26 FEET;

THENCE S 55° 20' 00" W, A DISTANCE OF 100.21 FEET TO A 3/8 INCH REDBAY SET AT EASY 1 OF PLAIN BOOK 200 PAGES 397-399 REFERENCED ABOVE;

THENCE N 11°-02'-00" W, ALONG LOT 1, A DISTANCE OF 365.61 FEET TO A 5/8-INCH REBAR SET AT LOT 2,

THENCE N 85°-55'-14" E, ALONG LOT 2, A DISTANCE OF 100.74 FEET TO A 5/8-INCH REBAR SET;

THENCE N 11°-2'-00" W, ALONG LOT 2, A DISTANCE OF 453.33 FEET TO THE POINT OF BEGINNING.

MEANING AND INTENDING TO DESCRIBE A PROPOSED 42 ACRE PARCEL AS SHOWN ON THE ABOVE REFERENCED PARCEL EXHIBIT.

TOGETHER WITH A GRADING EASEMENT BEGINNING AT A POINT BEING N 85°-55'-14" E A DISTANCE OF 704.15 FEET FROM A  
5/8" IRON REBAR SET ON THE SOUTHERLY SIDELINE OF BEDROCK TERRACE, AT THE NORTHEASTERLY CORNER OF LAND NOW  
GENEST CONCRETE WORKS INC AS DESCRIBED IN DEED BOOK 24100 PAGE 324 ALSO SHOWN AS LOT 2  
SECOND AMENDED SUBDIVISION PLAN OF QUARRY RIDGE BUSINESS PARK (PHASE 1B) FOR ROBERT J. GRONDIN, JR. BY  
SEBAGO TECHNICS, INC. RECORDED AT CUMBERLAND COUNTY REGISTRY OF DEEDS IN PLAN BOOK 206, PAGES 397-399;

THENCE CONTINUING N 85°-55'-14" W, A DISTANCE OF 274.19 FEET TO A POINT OF CURVATURE;

THENCE ALONG A CURVE TO THE LEFT HAVING AN ARC LENGTH OF 78.02 FEET, A RADIUS OF 50.00 FEET AND A CHORD OF N 41°-13'-02" E 70.34 FEET TO A POINT OF TANGENCY;

THENCE N 3°-29'-10" W A DISTANCE OF 196.18 FEET;

THENCE N 86°-08'-22" E A DISTANCE OF 1362.15 FEET;

THENCE S 04°-06'-38" E A DISTANCE OF 636.29 FEET;

THENCE N 85°-53'-22" E, THROUGH LAND OF GRANTOR, A DISTANCE OF 40.00 FEET;

THENCE N 04°-06'-38" W, THROUGH LAND OF GRANTOR, A DISTANCE OF 676.11 FEET;

THENCE S 86°-08'-22" W, THROUGH LAND OF GRANTOR, A DISTANCE OF 1451.72 FEET;

THENCE S 03°-29'-10" E, THROUGH LAND OF GRANTOR, A DISTANCE OF 235.85 FEET;

THENCE S 85°-55'-14" W, THROUGH LAND OF GRANTOR, A DISTANCE OF 274.19 FEET;

THENCE S 04°-04'-46" W, THROUGH LAND OF GRANTOR, A DISTANCE OF 50.00 FEET, TO THE POINT OF BEGINNING.

ALSO SUBJECT TO AND TOGETHER WITH EASEMENTS AND BUFFERS AS SHOWN ON PLAN BOOK 206, PAGES 397-399.

FROM CHICAGO TITLE INSURANCE COMPANY, GATEWAY TITLE OF MAINE, A DIV. OF LIBERTY TITLE & ESC CO, LLC, COMMITMENT NUMBER: TME18006809L, DATED APRIL 23, 2018 AT 8:00AM.

2. The following exceptions affect the apparent right of way:
  - 21. Rights and easements granted to Portland Pipe Line Corporation in an instrument dated August 22, 1941 and October 29, 1941 and recorded in the Cumberland County Registry of Deeds in Book 1646, Page 248 and Book 1646, Page 239. FINDINGS: DOES NOT AFFECT THE LOCUS PARCEL.
  - 22. Rights and easements granted to Portland Pipe Line Corporation in an instrument dated March 30, 1964 and recorded in Cumberland County Registry of Deeds in Book 2289, Page 115. FINDINGS: DOES NOT AFFECT THE LOCUS PARCEL.
  - 23. Rights and easements granted to Windham Exposed Co. in an instrument dated July 14, 1986 and recorded in the Cumberland County Registry of Deeds in Book 2720, Page 52. FINDINGS: DOES NOT AFFECT THE LOCUS PARCEL.
  - 24. Rights and easements granted to Portland Water District in an instrument dated December 12, 1986 and recorded in the Cumberland County Registry of Deeds in Book 2720, Page 117. FINDINGS: DOES NOT AFFECT THE LOCUS PARCEL.
  - 25. Condemnation by the State of Maine Highway Commission dated December 15, 1954 and recorded in Book 2209, Page 385. FINDINGS: DOES NOT AFFECT THE LOCUS PARCEL.
  - 26. Title to that portion of land conveyed to the State of Maine by deed dated April 5, 1956 and recorded in Book 2289, Page 153. FINDINGS: DOES NOT AFFECT THE LOCUS PARCEL.
  - 27. Rights and Easements granted to the State of Maine in instruments recorded in Book 1229, Page 299 and in Book 3027, Page 486. FINDINGS: DOES NOT AFFECT THE LOCUS PARCEL.
  - 28. Title to that portion of transferred to the State of Maine in instruments recorded in Book 1229, Page 299 and in Book 3027, Page 486. FINDINGS: DOES NOT AFFECT THE LOCUS PARCEL.
  - 29. Terms and Provisions of an agreement with Flynn's Construction, Inc., dated August 13, 1980 and recorded in Book 4644, Page 320; as some is affected by an instrument dated June 26, 1981 and recorded in Book 4811, Page 297. FINDINGS: BLANKET DOCUMENT AFFECT ENTIRE PARCEL.
  - 30. Windham Properties to S.D. Warren Company dated March 1990 and recorded in Book 9104, Page 167. FINDINGS: DOES NOT AFFECT THE LOCUS PARCEL.
  - 31. Rights, easement, terms and conditions set forth in deed from Windham Properties to S.D. Warren Company dated March 1990 and recorded in 9104, Page 167. FINDINGS: DOES NOT AFFECT THE LOCUS PARCEL.
  - 32. Windham Properties to Robert J. Grondin and Philip R. Grondin dated March 7, 1990 and recorded in Book 9103, Page 24. FINDINGS: DOES NOT AFFECT THE LOCUS PARCEL.

**MATTHEW W. EK, PLS2117**

	DRAWN	CHECKED
	MAC	MWE
D MWE	7/20/18	REVISED PER CLIENT REVIEW COMMENTS
C MWE	7/14/18	REVISED PER CLIENT REVIEW COMMENTS
B CAB	07/02/18	SUBMITTED TO TOWN OF WINDHAM FOR REVIEW & APPROVAL
A MWE	06/08/18	RELEASED DRAFT FOR CLIENT PRELIMINARY REVIEW
REV BY:	DATE:	

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
**TECHNICS**  
**WWW.SEBAGOTECHNICS.COM**

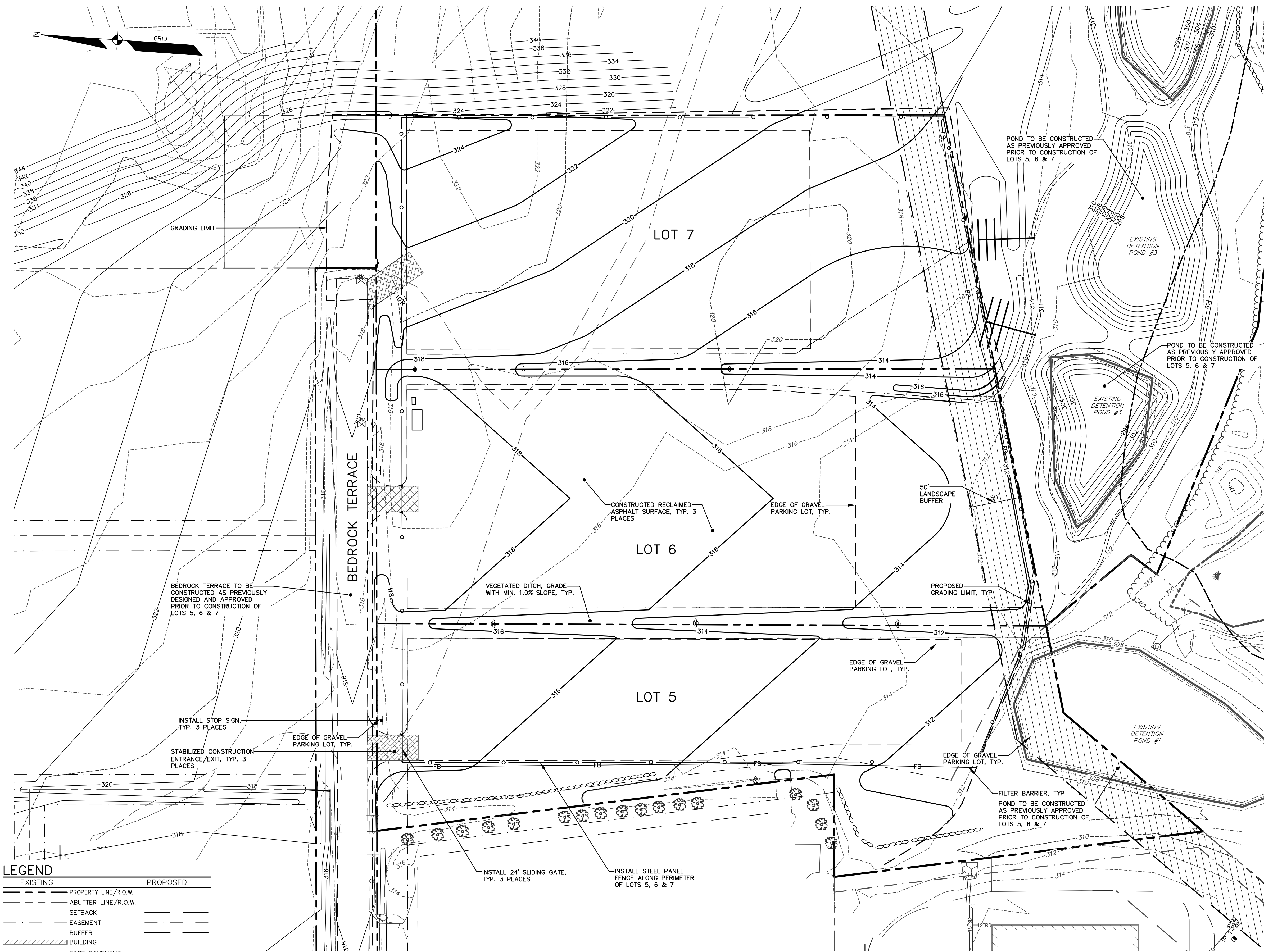
ALTA/NSPS LAND TITLE SURVEY  
OF:  
QUARRY RIDGE BUSINESS PARK  
ROUTE 302  
NORTH WINDHAM, MAINE 04062  
FOR:  
COPART  
14185 DALLAS PARKWAY, SUITE 300  
DALLAS, TEXAS 75254

PROJECT NO.	SCALE
14135	NTS

SHEET 2 OF 2

14135EC.dwg, TAB:LT2



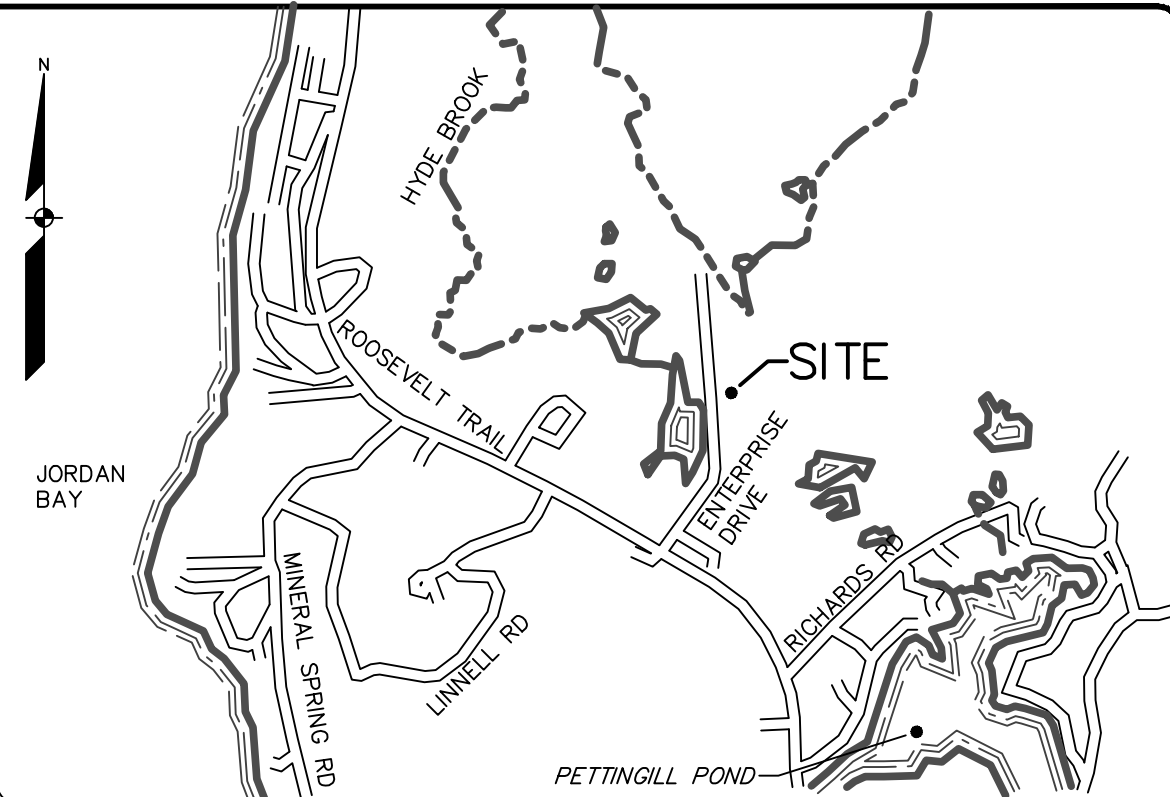


LEGEND	
EXISTING	PROPOSED
	PROPERTY LINE/R.O.W.
	ABUTTER LINE/R.O.W.
	SETBACK
	EASEMENT
	BUFFER
	BUILDING
	EDGE PAVEMENT
	EDGE GRAVEL
	TREELINE
	CONTOURS
	PREVIOUSLY DESIGNED AND APPROVED CONTOURS
	SPOT GRADE
	STONE WALL
	CONIFEROUS TREE
	SIGN
	WATER GATE VALVE
	HYDRANT
	STORM DRAIN
	DRAINAGE MANHOLE
	CONSTRUCTION ENTRANCE
	FILTER BARRIER
	RIPRAP

MAXIMUM IMPERVIOUS AREA PER LOT  
QUARRY RIDGE BUSINESS PARK

LOT NO.	MAXIMUM IMP. AREA (AC.)	PROVIDED IMP. AREA (AC.)
5	1.46	1.46
6	2.20	2.20
7	1.99	1.99

NOTE: THE MAXIMUM IMPERVIOUS AREAS PER LOT ARE ASSUMED AS PART OF THE STORMWATER MANAGEMENT PLAN APPROVED BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION SITE LOCATION OF DEVELOPEMENT APPROVAL ORDER FOR THE QUARRY RIDGE BUSINESS PARK. DEVELOPMENT IN EXCESS OF THESE ASSUMPTIONS MAY REQUIRE A MODIFICATION OF THAT ORDER.



LOCATION MAP

GENERAL NOTES:

- THE RECORD OWNER OF THE PARCEL IS ROBERT J. GRONDI BY DEED DATED APRIL 15, 2002 AND RECORDED AT THE CUMBERLAND COUNTY REGISTRY OF DEEDS IN BOOK 17547 PAGE 2.
- THE PROPERTY IS SHOWN ON THE TOWN OF WINDHAM TAX MAPS AS MAP 21 LOT 15-5, 15-6, 15-7.
- AREA SUMMARY:

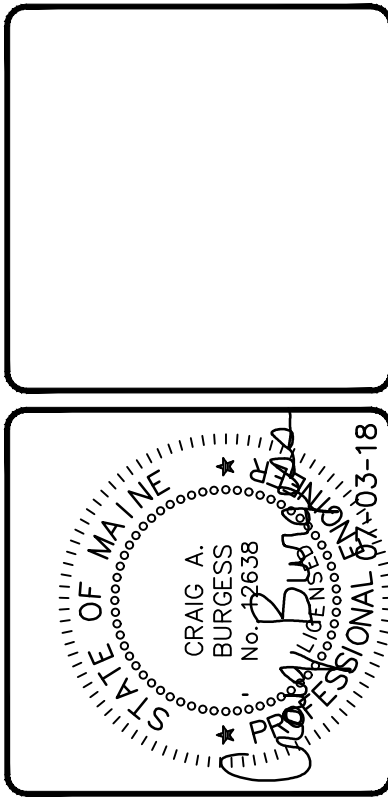
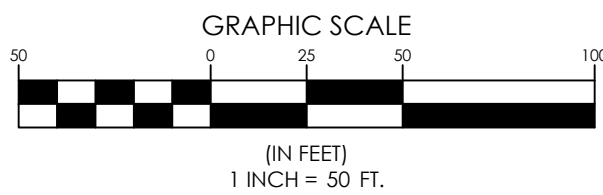
LOT 5	3.24 ACRES
LOT 6	3.64 ACRES
LOT 7	3.55 ACRES
TOTAL AREA OF PROPOSED PARCELS:	10.43 ACRES
- BOUNDARY INFORMATION SHOWN HEREON IS BASED UPON ON THE GROUND SURVEY BY SEBAGO TECHINCS, INC., JUNE 2018.
- PLAN ORIENTATION IS GRID NORTH, MAINE STATE PLANE COORDINATE SYSTEM, WEST ZONE 1802-NAD83, BASED ON DUAL FREQUENCY GPS OBSERVATIONS.
- WETLAND INFORMATION PROVIDED BY SEBAGO TECHINCS, INC., BASED UPON AERIAL TOPOGRAPHIC MAPPING BY J.W. SEWALL CO. IN APRIL, 1998, SUPPLEMENTED WITH GROUND SURVEY BY SEBAGO TECHINCS, INC.
- THE MAJORITY OF THE PARCEL IS CURRENTLY AN ACTIVE QUARRY. MULTIPLE STOCKPILES WERE OBSERVED. EARTH MOVING WORK IS HAPPENING DAILY.
- UTILITY INFORMATION DEPICTED HEREON IS COMPILED USING PHYSICAL EVIDENCE LOCATED IN THE FIELD. UTILITIES DEPICTED HEREON MAY NOT NECESSARILY REPRESENT ALL EXISTING UTILITIES. CONTRACTORS AND/OR DESIGNERS NEED TO CONTACT DIG-SAFE SYSTEMS, INC. (1-888-DIG-SAFE) AND FIELD VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION AND/OR EXCAVATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND SHRUBS ON THE PROJECT WHICH ARE NOT TO BE REMOVED. CLEAR TREES AS SHOWN ON THE PLANS HEREON. PRIOR TO DISTURBANCE, THE PROPOSED TREE LINE IN THE VICINITY OF THE WOODED BUFFERS SHALL BE STAKED BY A MAINE LICENSED LAND SURVEYOR TO VERIFY COMPLIANCE WITH THE STORMWATER MANAGEMENT DESIGN.
- AN APPROVED SET OF PLANS AND ALL APPLICABLE PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE. THE DEVELOPER, OR AN AUTHORIZED AGENT, MUST BE AVAILABLE AT ALL TIMES DURING CONSTRUCTION.
- THE PROJECT IS LOCATED IN OR WITHIN PROXIMITY TO PROTECTED NATURAL RESOURCES, INCLUDING WETLANDS, STREAMS AND HABITATS. THE CONTRACTOR SHALL WORK IN COMPLIANCE WITH THE NATURAL RESOURCES PROTECTION ACT (NRPA) PERMIT FROM THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND INDIVIDUAL PERMIT FROM THE ARMY CORPS OF ENGINEERS. THESE ENVIRONMENTAL PERMIT APPLICATIONS AND CONDITIONS OF APPROVAL ARE INCLUDED IN APPENDIX OF THE SPECIFICATIONS. VARIATION FROM THE WORK DESCRIBED IN THESE PERMITS MUST BE APPROVED IN WRITING FROM THESE REGULATORY AGENCIES PRIOR TO CONSTRUCTION. WETLANDS SHALL NOT BE IMPACTED UNLESS SHOWN ON THIS PLAN. WETLANDS SHALL BE FLAGGED PRIOR TO CONSTRUCTION.
- ALL EXISTING CATCH BASINS, MANHOLES, CONNECTIONS, CONDUIT AND PIPING SHALL BE CLEANED AND LEFT IN SATISFACTORY OPERATING CONDITION AFTER CONSTRUCTION HAS BEEN COMPLETED. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK.
- ALL LAWN AREAS, WALKWAYS, AND DRIVEWAYS OUTSIDE THE WORK AREA, DAMAGED BY THE CONTRACTOR, SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE.
- EXISTING PAVEMENT SHALL BE SAW CUT AND BUTTED TO THE NEW PAVEMENT. NO FEATHERING OF PAVEMENT WILL BE PERMITTED.
- EXISTING DRAINAGE STRUCTURES AND PIPES SHALL NOT BE DISTURBED UNLESS OTHERWISE NOTED IN THE DRAWINGS OR APPROVED BY THE ENGINEER.
- THE CONTRACTOR IS REQUIRED TO PROVIDE A SECURE PROJECT WORK AREA. ALL PIPE TRENCH EXCAVATIONS SHALL BE BACKFILLED AND "CLOSED" DURING CONTRACTOR NON-WORKING HOURS INCLUDING NIGHTS, HOLIDAYS AND WEEKENDS. THE CONTRACTOR MAY REQUEST IN WRITING TO THE ENGINEER AND OWNER TO SECURE OPEN EXCAVATION IN LIEU OF BACKFILLED AND "CLOSED." NOT ALLOWING A SECURE OPEN EXCAVATION SHALL NOT BE A BASIS FOR CLAIMS AGAINST THE OWNER.
- CONTRACTOR SHALL COMPLETE WORK SPECIFIED ON EACH PLAN AND SHALL COORDINATE WORK WITH ENTIRE PROJECT PLAN SET.
- THE SITE RECEIVED A MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION (MDEP) PERMIT(#1-18029-39-L-N) IN 1993.

GRADING & EROSION NOTES

- SIDESLOPES SHALL NOT BE STEEPER THAN 3:1 (H:V) EXCEPT AS OTHERWISE IDENTIFIED ON THIS PLAN. ALL SIDESLOPES STEEPER THAN 3:1 (H:V) SHALL BE LINED WITH EROSION CONTROL BLANKET, OR ADDITIONAL MEASURES AS INDICATED.
- ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH "MAINE EROSION AND SEDIMENT CONTROL BMPs" MANUAL PUBLISHED BY BUREAU OF LAND AND WATER QUALITY MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION, OCTOBER 2016 OR LATEST EDITION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO POSSESS A COPY OF THE EROSION CONTROL PLAN AT ALL TIMES.
- ALL AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECEIVE LOAM AND SEED PER DETAIL.

APPROVAL-  
TOWN OF WINDHAM  
STAFF REVIEW COMMITTEE

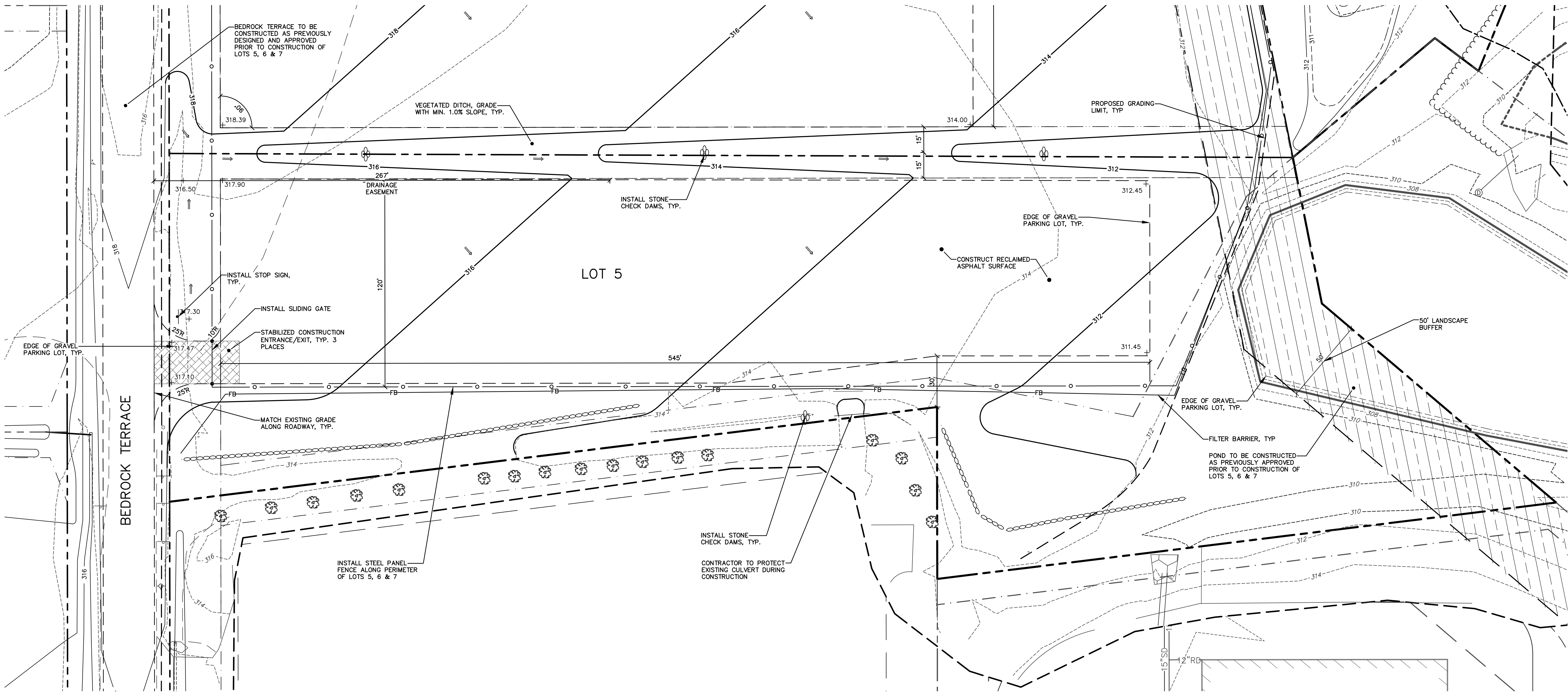
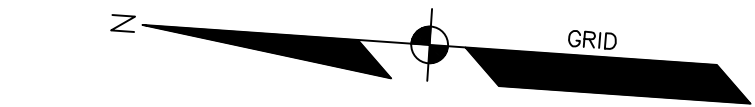
DATE	



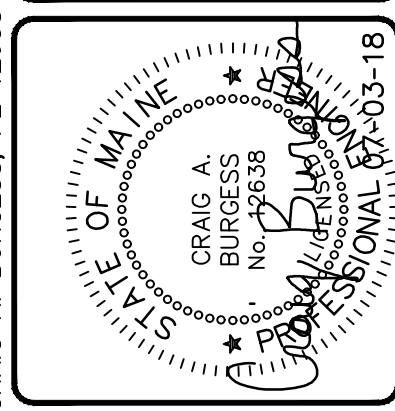
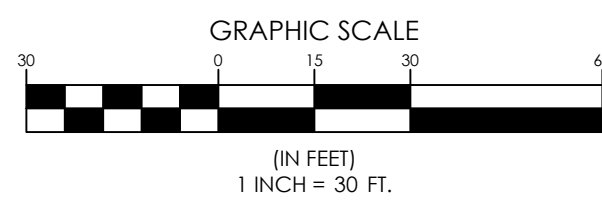
DESIGNED	CHECKED
SAH	CAB
B CAB 07-25-18 REVISED PER TOWN OF WINDHAM COMMENTS	
A CAB 07-03-18 SUBMITTED TO TOWN OF WINDHAM FOR REVIEW & APPROVAL	
REV BY:	STATUS:
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OVERALL GRADING PLAN OF: QUARRY RIDGE BUSINESS PARK ENTERPRISE DRIVE/BEDROCK TERRACE NORTH WINDHAM, MAINE FOR: COPART OF CONNECTICUT INC. 14185 DALLAS PARKWAY, SUITE 300 DALLAS, TEXAS 75254	PROJECT NO. 14135 SCALE 1"=50' SHEET 4 OF 9
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LEGEND	
EXISTING	PROPOSED
	PROPERTY LINE/R.O.W.
	ABUTTER LINE/R.O.W.
	SETBACK
	EASEMENT
	Buffer
	EDGE PAVEMENT
	EDGE GRAVEL
	TREELINE
	CONTOURS
	PREVIOUSLY DESIGNED AND APPROVED CONTOURS
	SPOT GRADE
	STONE WALL
	CONIFEROUS TREE
	SIGN
	WATER GATE VALVE
	HYDRANT
	STORM DRAIN
	DRAINAGE MANHOLE
	CONSTRUCTION ENTRANCE
	FILTER BARRIER
	RIPRAP



DESIGNED	CHECKED
SAH	CAB
B CAB 07-25-18 REVISED PER TOWN OF WINDHAM COMMENTS	
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75 John Roberts Rd.  
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South Portland, ME 04106  
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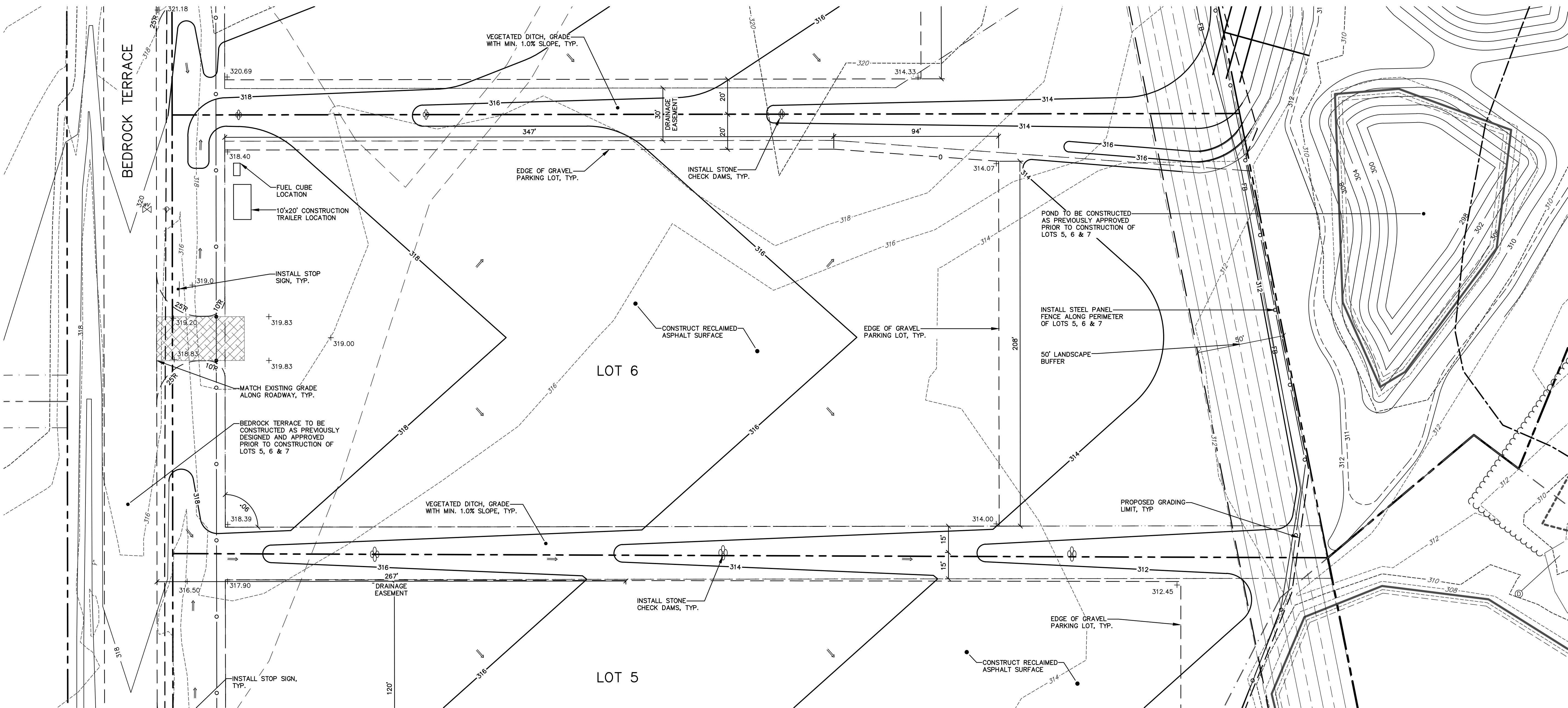
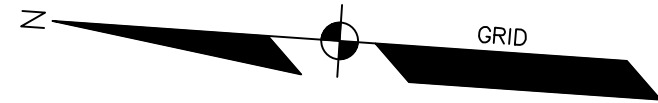
GRADING PLAN - LOT 5  
OF: QUARRY RIDGE BUSINESS PARK  
ENTERPRISE DRIVE/BEDROCK TERRACE  
NORTH WINDHAM, MAINE  
FOR: COPART OF CONNECTICUT INC.  
14185 DALLAS PARKWAY, SUITE 300  
DALLAS, TEXAS 75254

PROJECT NO.	SCALE
14135	1"= 30'

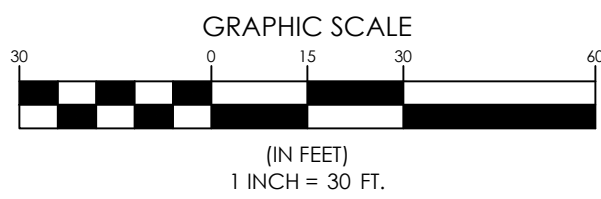
SHEET 5 OF 9

14135cwg- TAB 01

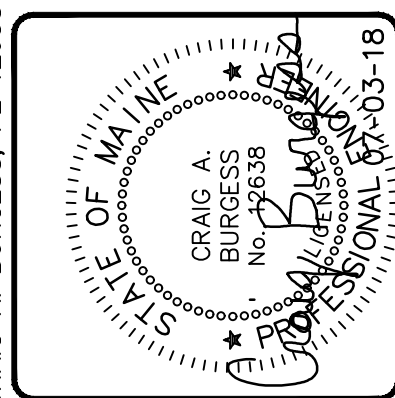




LEGEND	
EXISTING	PROPOSED
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	TREELINE
	CONTOURS
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	SPOT GRADE
	STONE WALL
	CONIFEROUS TREE
	SIGN
	WATER GATE VALVE
	HYDRANT
	STORM DRAIN
	DRAINAGE MANHOLE
	CONSTRUCTION ENTRANCE
	FILTER BARRIER
	RIPRAP



CRAIG A. BURGESS, PE 12638



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B   CAB 07-25-18 REVISED PER TOWN OF WINDHAM COMMENTS	
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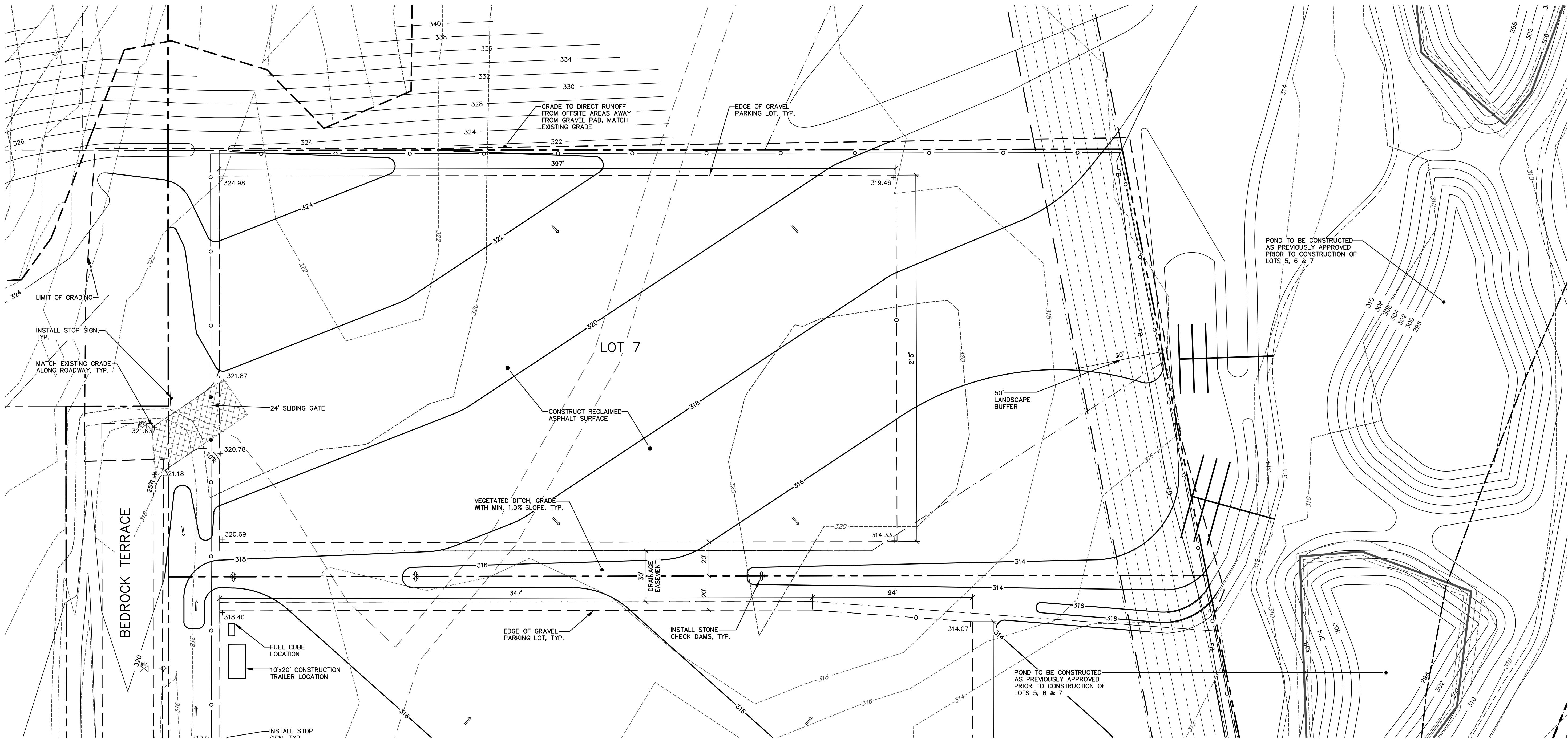
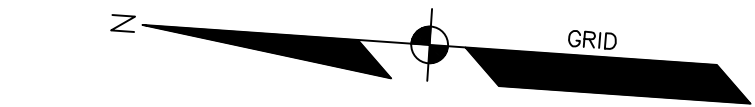
**SEBAGO**  
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75 John Roberts Rd.  
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South Portland, ME 04106  
Tel. 207-200-2100

GRADING PLAN - LOT 6  
OF: QUARRY RIDGE BUSINESS PARK  
ENTERPRISE DRIVE/BEDROCK TERRACE  
NORTH WINDHAM, MAINE  
FOR: COPART OF CONNECTICUT INC.  
14185 DALLAS PARKWAY, SUITE 300  
DALLAS, TEXAS 75254

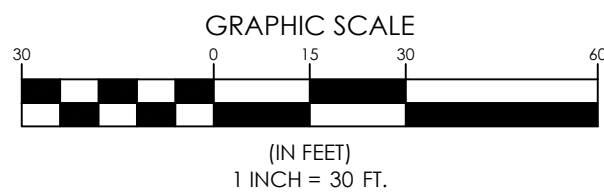
PROJECT NO.	SCALE
14135	1"= 30'

SHEET 6 OF 9

14135c.dwg, TAB: 02



LEGEND	
EXISTING	PROPOSED
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	ABUTTER LINE/R.O.W.
	SETBACK
	EASEMENT
	SETBACK
	EDGE PAVEMENT
	EDGE GRAVEL
	TREELINE
	CONTOURS
	PREVIOUSLY DESIGNED AND APPROVED CONTOURS
	SPOT GRADE
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	HYDRANT
	STORM DRAIN
	DRAINAGE MANHOLE
	CONSTRUCTION ENTRANCE
	FILTER BARRIER
	RIPRAP



CRAIG A. BURGESS, PE 12638



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GRADING PLAN - LOT 7  
OF: QUARRY RIDGE BUSINESS PARK  
ENTERPRISE DRIVE/BEDROCK TERRACE  
NORTH WINDHAM, MAINE  
FOR: COPART OF CONNECTICUT INC.  
14185 DALLAS PARKWAY, SUITE 300  
DALLAS, TEXAS 75254

PROJECT NO.	SCALE
14135	1" = 30'

SHEET 7 OF 9

14135cwg- TAB C3



## EROSION CONTROL MEASURES

### PRE-CONSTRUCTION PHASE

PRIOR TO CONSTRUCTION, PROPERLY INSTALL SEDIMENT BARRIERS AT THE DOWNGRADIENT EDGE OF ANY AREA TO BE DISTURBED AND ADJACENT TO ANY DRAINAGE CHANNELS WITHIN THE DISTURBED AREA. SEDIMENT BARRIERS SHOULD BE INSTALLED DOWNGRADIENT OF SOIL OR SEDIMENT STOCKPILES AND STORMWATER PREVENTED FROM RUNNING ONTO THE STOCKPILE. MAINTAIN THE SEDIMENT BARRIERS BY REPAIRING, REPLACING OR REMOVING ACCUMULATED SEDIMENT, OR REMOVING AND REPLACING THE BARRIER, UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED. WHERE A DISCHARGE TO A STORM DRAIN INLET OCCURS, IF THE STORM DRAIN CARRIES WATER DIRECTLY TO A SURFACE WATER AND YOU HAVE AUTHORITY TO ACCESS THE STORM DRAIN INLET, YOU MUST INSTALL AND MAINTAIN PROTECTION MEASURES THAT REMOVE SEDIMENT FROM THE DISCHARGE.

PRIOR TO CONSTRUCTION, PROPERLY INSTALL A STABILIZED CONSTRUCTION ENTRANCE (SCE) AT ALL POINTS OF EGRESS FROM THE SITE. THE SCE IS A STABILIZED PAD OF AGGREGATE, UNDERLAIN BY A GEOTEXTILE FILTER FABRIC, USED TO PREVENT TRAFFIC FROM TRACKING MATERIAL AWAY FROM THE SITE ONTO PUBLIC ROWS. MAINTAIN THE SCE UNTIL ALL DISTURBED AREAS ARE STABILIZED.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PREPARE A DETAILED SCHEDULE AND MARKED UP PLAN INDICATING AREAS AND COMPONENTS OF THE WORK AND KEY DATES SHOWING DATE OF DISTURBANCE AND COMPLETION OF THE WORK. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE MUNICIPALITY. COPIES OF THE SCHEDULE AND MARKED UP PLAN SHALL BE PROVIDED TO THE MUNICIPALITY THREE DAYS PRIOR TO THE SCHEDULED PRE-CONSTRUCTION MEETING. SPECIAL ATTENTION SHALL BE GIVEN TO THE 14 DAY LIMIT OF DISTURBANCE IN THE SCHEDULE ADDRESSING TEMPORARY AND PERMANENT VEGETATION MEASURES.

### CONSTRUCTION AND POST-CONSTRUCTION PHASE

#### DURING CONSTRUCTION

- INSPECTION AND CORRECTIVE ACTION:**  
INSPECT DISTURBED AND IMPERVIOUS AREAS, EROSION CONTROL MEASURES, MATERIALS STORAGE AREAS THAT ARE EXPOSED TO PRECIPITATION, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE. INSPECT THESE AREAS AT LEAST ONCE A WEEK AS WELL AS BEFORE AND WITHIN 24 HOURS AFTER A STORM EVENT (RAINFALL), AND PRIOR TO COMPLETING PERMANENT STABILIZATION MEASURES. A PERSON WITH KNOWLEDGE OF EROSION AND STORMWATER CONTROL, INCLUDING THE STANDARDS AND CONDITIONS IN THE PERMIT, SHALL CONDUCT THE INSPECTIONS.
- MAINTENANCE:**  
IF BEST MANAGEMENT PRACTICES (BMPs) NEED TO BE REPAIRED, THE REPAIR WORK SHOULD BE INITIATED UPON DISCOVERY OF THE PROBLEM BUT NO LATER THAN THE END OF THE NEXT WORKDAY. IF ADDITIONAL BMPs OR SIGNIFICANT REPAIR OF BMPs ARE NECESSARY, IMPLEMENTATION MUST BE COMPLETED WITHIN 7 CALENDAR DAYS AND PRIOR TO ANY STORM EVENT (RAINFALL). ALL MEASURES MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION UNTIL AREAS ARE PERMANENTLY STABILIZED.
- DOCUMENTATION:**  
KEEP A LOG (REPORT) SUMMARIZING THE INSPECTIONS AND ANY CORRECTIVE ACTION TAKEN. THE LOG MUST INCLUDE THE NAME(S) AND QUALIFICATIONS OF THE PERSON MAKING THE INSPECTIONS, THE DATE(S) OF THE INSPECTIONS, AND MAJOR OBSERVATIONS ABOUT THE OPERATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS, MATERIALS STORAGE AREAS, AND VEHICLES ACCESS POINTS TO THE PARCEL. MAJOR OBSERVATIONS MUST INCLUDE BMPs THAT NEED MAINTENANCE, BMPs THAT FAILED TO OPERATE AS DESIGNED OR PROVIDED INADVERTENTLY, AND ADDITIONAL LOCATIONS WHERE AGGREGATE AND DEBRIS INDICATE WHERE THE SEDIMENT AND DEBRIS WAS DISPOSED AFTER REMOVAL. THE LOG MUST BE MADE ACCESSIBLE TO DEPARTMENT STAFF AND A COPY PROVIDED TO THE DEPARTMENT UPON REQUEST. THE PERMITTEE SHALL RETAIN A COPY OF THE LOG FOR A PERIOD OF AT LEAST THREE YEARS FROM THE COMPLETION OF PERMANENT STABILIZATION.

#### POST-CONSTRUCTION

- PLAN:**  
CARRY OUT AN APPROVED INSPECTION AND MAINTENANCE PLAN THAT IS CONSISTENT WITH THE MINIMUM REQUIREMENTS OF THIS SECTION. THE PLAN MUST ADDRESS INSPECTION AND MAINTENANCE OF THE PROJECT'S PERMANENT EROSION CONTROL MEASURES AND STORMWATER MANAGEMENT SYSTEM. THIS PLAN MAY BE COMBINED WITH THE PLAN LISTED IN SECTION 2(A) OF THIS APPENDIX. SEE SECTION 7(C)(2) FOR SUBMISSION REQUIREMENTS.
- INSPECTION AND MAINTENANCE:**  
ALL MEASURES MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION. A PERSON WITH KNOWLEDGE OF EROSION AND STORMWATER CONTROL, INCLUDING THE STANDARDS AND CONDITIONS IN THE PERMIT, SHALL CONDUCT THE INSPECTIONS. THE FOLLOWING AREAS, FACILITIES, AND MEASURES MUST BE CORRECTED IMMEDIATELY: AREAS, FACILITIES, AND MEASURES OTHER THAN THOSE LISTED BELOW MAY ALSO REQUIRE INSPECTION ON A SPECIFIC SITE. INSPECTION OR MAINTENANCE TASKS OTHER THAN THOSE DISCUSSED BELOW MUST BE INCLUDED IN THE MAINTENANCE PLAN DEVELOPED FOR A SPECIFIC SITE.
- REGULAR MAINTENANCE:**  
CLEAR ACCUMULATIONS OF WINTER SAND IN PARKING LOTS AND ALONG ROADWAYS AT LEAST ONCE A YEAR, PREFERABLY IN THE SPRING. ACCUMULATIONS ON PAVEMENT MAY BE REMOVED BY PAVEMENT SWEEPING. ACCUMULATIONS OF SAND ALONG ROAD SHOULDERS MAY BE REMOVED BY SAWCUTTING TO THE PAVEMENT EDGE AND REMOVING IT MANUALLY OR BY A FRONT-END LOADER. GRADING OF GRAVEL ROADS, OR GRADING OF THE GRAVEL SHOULDERS OF GRAVEL OR PAVED ROADS, MUST BE ROUTINELY PERFORMED TO ENSURE THAT STORMWATER DRAINS IMMEDIATELY OFF THE ROAD SURFACE TO ADJACENT BUFFER AREAS OR STABLE DITCHES, AND IS NOT IMPEDED BY ACCUMULATIONS OF GRADED MATERIAL ON THE ROAD SHOULDER OR BY EXCAVATION OF FALSE DITCHES IN THE SHOULDER. IF WATER BARS OR OPEN-TOP CULVERTS ARE USED TO DIVERT RUNOFF FROM ROAD SURFACES, CLEAN-OUT ANY SEDIMENTS WITHIN OR AT THE OUTLET OF THESE STRUCTURES TO RESTORE THEIR FUNCTION.
- DOCUMENTATION:**  
KEEP A LOG (REPORT) SUMMARIZING INSPECTIONS, MAINTENANCE, AND ANY CORRECTIVE ACTIONS TAKEN. THE LOG MUST INCLUDE THE DATE ON WHICH EACH INSPECTION OR MAINTENANCE TASK WAS PERFORMED, A DESCRIPTION OF THE INSPECTION FINDINGS OR MAINTENANCE COMPLETED, AND THE NAME OF THE INSPECTOR OR MAINTENANCE PERSONNEL PERFORMING THE TASK. IF A MAINTENANCE TASK REQUIRES THE CLEAR-OUT OF ANY SEDIMENTS OR DEBRIS, INDICATE WHERE THE SEDIMENT AND DEBRIS WAS DISPOSED AFTER REMOVAL. THE LOG MUST BE MADE ACCESSIBLE TO DEPARTMENT STAFF AND A COPY PROVIDED TO THE DEPARTMENT UPON REQUEST. THE PERMITTEE SHALL RETAIN A COPY OF THE LOG FOR A PERIOD OF AT LEAST FIVE YEARS FROM THE COMPLETION OF PERMANENT STABILIZATION.

### EROSION CONTROL APPLICATIONS & MEASURES

THE PLACEMENT OF EROSION CONTROL MEASURES SHALL BE COMPLETED IN ACCORDANCE WITH GUIDELINES ESTABLISHED WITHIN THE CURRENT MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION CHAPTER 500 RULES. THE DEPARTMENTS BEST MANAGEMENT PRACTICES AND IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND DETAILS IN THE PLAN SET. EROSION CONTROL MEASURES MUST BE IN PLACE BEFORE THE ACTIVITY BEGINS. MEASURES MUST REMAIN IN PLACE AND FUNCTIONAL UNTIL THE SITE IS PERMANENTLY STABILIZED. ADEQUATE AND TIMELY TEMPORARY AND PERMANENT STABILIZATION MEASURES MUST BE TAKEN.

- POLLUTION PREVENTION:**  
WHENEVER PRACTICABLE, NO DISTURBANCE ACTIVITIES SHOULD TAKE PLACE WITHIN 50 FEET OF ANY PROTECTED NATURAL RESOURCE. IF DISTURBANCE ACTIVITIES TAKE PLACE BETWEEN 30 FEET AND 50 FEET OF ANY PROTECTED NATURAL RESOURCE, AND STORMWATER DISCHARGES THROUGH THE DISTURBED AREAS TOWARD THE PROTECTED NATURAL RESOURCE, PERIMETER EROSION CONTROLS MUST BE DOUBLED. IF DISTURBANCE ACTIVITIES TAKE PLACE LESS THAN 30 FEET FROM ANY PROTECTED NATURAL RESOURCE, AND STORMWATER DISCHARGES THROUGH THE DISTURBED AREAS TOWARD THE PROTECTED NATURAL RESOURCE, PERIMETER EROSION CONTROLS MUST BE DOUBLED AND DISTURBED AREAS MUST BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 48 HOURS.
- TEMPORARY MULCHING:**  
ALL DISTURBED AREAS SHALL BE MULCHED WITH MATERIALS SPECIFIED BELOW PRIOR TO ANY STORM EVENT. ALL DISTURBED AREAS NOT FINAL GRADED WITHIN 7 DAYS SHALL BE MULCHED. ALSO, AREAS, WHICH HAVE BEEN TEMPORARILY OR PERMANENTLY SEEDED, SHALL BE MULCHED IMMEDIATELY FOLLOWING SEEDING. EROSION CONTROL BLANKETS ARE RECOMMENDED TO BE USED AT THE BASE OF GRASSED WATERWAYS AND ON SLOPES GREATER THAN 15%. MULCH ANCHORING SHOULD BE USED ON SLOPES GREATER THAN 5% AFTER SEPTEMBER 15TH OF THE CONSTRUCTION YEAR (SEE WINTER EROSION CONTROL NOTES).
- TYPES OF MULCH:**  
**HAY OR STRAW:** SHALL BE APPLIED AT A RATE OF 75 LBS/1,000 S.F. (1.5 TONS PER ACRE).  
**EROSION CONTROL MIX:** SHALL BE PLACED EVENLY AND MUST PROVIDE 100% SOIL COVERAGE. EROSION CONTROL MIX SHALL BE APPLIED SUCH THAT THE THICKNESS ON SLOPES 3:1 OR LESS IS 2 INCHES PLUS 1/2 INCH PER 20 FEET OF SLOPE UP TO 100 FEET. THE THICKNESS ON SLOPES BETWEEN 3:1 AND 2:1 SHALL BE 4 INCHES PLUS 1/2 INCH PER 20 FEET OF SLOPE UP TO 100 FEET. THIS SHALL NOT BE USED ON SLOPES GREATER THAN 2:1.  
**EROSION CONTROL BLANKET:** SHALL BE INSTALLED SUCH THAT CONTINUOUS CONTACT BETWEEN THE MAT AND THE SOIL IS OBTAINED. INSTALL BLANKETS AND STAPLE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- SOIL STOCKPILES:**  
STOCKPILES OF SOIL OR SUBSOIL SHALL BE MULCHED WITH HAY OR STRAW AT A RATE OF 75 LBS/1,000 S.F. (1.5 TONS PER ACRE) OR WITH A FOUR-INCH LAYER OF WOOD WASTE EROSION CONTROL MIX. THIS WILL BE DONE WITHIN 24 HOURS OF STOCKING AND RE-ESTABLISHED PRIOR TO ANY RAINFALL. ANY SOIL STOCKPILE WILL NOT BE PLACED (EVEN COVERED WITH HAY OR STRAW) WITHIN 100 FEET FROM ANY NATURAL RESOURCES.
- NATURAL RESOURCES PROTECTION:**  
ANY AREAS WITHIN 100 FEET FROM ANY NATURAL RESOURCES, IF NOT STABILIZED WITH A MINIMUM OF 75% MATURE VEGETATION CATCH, SHALL BE STABILIZED USING TEMPORARY MULCHING (AS DESCRIBED IN PART 1. OF THIS SECTION) OR OTHER NON-ERODIBLE COVER WITHIN 48 HOURS OF EXPOSURE OR PRIOR TO ANY STORM EVENT. SEDIMENT BARRIERS (AS DESCRIBED IN PART 4. OF THIS SECTION) SHALL BE PLACED BETWEEN ANY NATURAL RESOURCE AND THE DISTURBED AREA. PROJECTS CROSSING THE NATURAL RESOURCE SHALL BE PROTECTED A MINIMUM DISTANCE OF 100 FEET FROM THE RESOURCE. IF DISTURBANCE TAKES PLACE LESS THAN 30 FEET FROM A PROTECTED RESOURCE AND STORMWATER DISCHARGES THROUGH THE DISTURBED AREAS TO THE RESOURCE, PERIMETER EROSION CONTROLS MUST BE DOUBLED.
- SEDIMENT BARRIERS:**  
PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, SEDIMENT BARRIERS SHALL BE STAKED ACROSS THE SLOPE(S), ON THE CONTOUR AT OR JUST BELOW THE LIMITS OF CLEARING OR GRUBBING, AND/OR JUST ABOVE ANY ADJACENT PROPERTY LINE OR WATERCOURSE TO PROTECT AGAINST CONSTRUCTION RELATED EROSION. SEDIMENT BARRIERS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL EXPOSED SLOPES HAVE AT LEAST 85%-90% VIGOROUS PERENNIAL VEGETATIVE COVER TO PREVENT EROSION.  
**SILT FENCE:** SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. THE EFFECTIVE HEIGHT OF THE FENCE SHALL NOT EXCEED 36 INCHES. IT IS RECOMMENDED THAT SILT FENCE BE REMOVED BY CUTTING THE FENCE MATERIALS AT GROUND LEVEL SO AS TO AVOID ADDITIONAL SOIL DISTURBANCE.  
**HAY BALES:** SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. BALES SHALL BE WIRE-BOUND OR STRING-TIED AND THESE BINDINGS MUST REMAIN PARALLEL WITH THE GROUND SURFACE DURING INSTALLATION TO PREVENT DETERIORATION OF THE BINDINGS. BALES SHALL BE INSTALLED WITHIN A MINIMUM 4 INCH DEEP TRENCH LINE WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.  
**EROSION CONTROL MIX:** SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. THE MIX SHALL CONSIST PRIMARILY OF ORGANIC MATERIAL AND CONTAIN A WELL-GRADED MIXTURE OF PARTICLE SIZES AND MAY CONTAIN ROCKS LESS THAN 4 INCHES IN DIAMETER. THE MIX COMPOSITION SHALL MEET THE STANDARDS DESCRIBED WITHIN THE MDEP BEST MANAGEMENT PRACTICES. NO TRENCHING IS REQUIRED FOR INSTALLATION OF THIS BARRIER.  
**CONTINUOUS CONTAINED BERM:** SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. THIS SEDIMENT BARRIER IS EROSION CONTROL MIX PLACED WITHIN A SYNTHETIC TUBULAR NETTING AND PERFORMS AS A STURDY SEDIMENT BARRIER THAT WORKS WELL ON HARD OR GROUND SUCH AS FROZEN CONDITIONS, TRAVELED AREAS OR PAVEMENT. NO TRENCHING IS REQUIRED FOR INSTALLATION OF THIS BARRIER.
- TEMPORARY CHECK DAMS:**  
SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. CHECK DAMS ARE TO BE PLACED WITHIN DITCHES/ SWALES AS SPECIFIED ON THE DESIGN PLANS IMMEDIATELY AFTER FINAL GRADING. CHECK DAMS SHALL BE 2 FEET HIGH. TEMPORARY CHECK DAMS MAY BE REMOVED ONLY AFTER THE ROADWAYS ARE PAVED AND THE VEGETATED SWALE ARE ESTABLISHED WITH AT LEAST 85%-90% OF VIGOROUS PERENNIAL GROWTH. THE AREA BENEATH THE CHECK DAM MUST BE SEEDED AND MULCHED IMMEDIATELY AFTER REMOVAL OF THE CHECK DAM.

**STONE CHECK DAMS:** SHOULD BE CONSTRUCTED OF 2 TO 3 INCH STONE AND PLACED SUCH THAT COMPLETE COVERAGE OF THE SWALE IS OBTAINED AND THAT THE CENTER OF THE DAM IS 6 INCHES LOWER THAN THE OUTER EDGES.

**HAY BALE CHECK DAMS:** WE DO NOT RECOMMEND THE USE OF HAY BALES AS CHECK DAMS.

**MANUFACTURED CHECK DAMS:** MANUFACTURED CHECK DAMS, AS SPECIFIED IN THE DETAIL ON THE PLANS, MAY BE USED IF AUTHORIZED BY THE PROPER LOCAL, STATE OR FEDERAL REGULATING AGENCIES. THESE UNITS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

- STORMDRAIN INLET PROTECTION:**  
INLET PROTECTION SHALL BE PLACED AROUND A STORMDRAIN DROP INLET OR CURB INLET PRIOR TO PERMANENT STABILIZATION OF THE IMMEDIATE AND UPSTREAM DISTURBED AREAS. THEY SHALL BE CONSTRUCTED IN A MANNER THAT WILL FACILITATE CLEAN-OUT AND DISPOSAL OF TRAPPED SEDIMENTS AND MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES. ANY RESULTANT PONDING OF WATER FROM THE PROTECTION METHOD MUST NOT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT AREAS OR STRUCTURES.

**HAY BALE DROP INLET PROTECTION:** WE DO NOT RECOMMEND THE USE OF HAY BALES AS INLET PROTECTION.

**CONCRETE BLOCK AND STONE INLET SEDIMENT FILTER (DROP OR CURB INLET):** SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. THE HEIGHT OF THE CONCRETE BLOCK BARRIER CAN VARY BUT MUST BE BETWEEN 12 AND 24 INCHES TALL. A MINIMUM OF 1 INCH CRUSHED STONE SHALL BE USED.

**MANUFACTURED SEDIMENT BARRIERS AND FILTER (DROP OR CURB INLET):** MANUFACTURED FILTERS, AS SPECIFIED IN THE DETAIL ON THE PLANS, MAY BE USED IF INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

- STABILIZED CONSTRUCTION EXIT:**  
PRIOR TO CLEARING AND/OR GRUBBING THE SITE A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE CONSTRUCTED WHEREVER TRAFFIC WILL EXIT THE CONSTRUCTION SITE ONTO A PAVED ROADWAY IN ORDER TO MINIMIZE THE TRACKING OF SEDIMENT AND DEBRIS FROM THE CONSTRUCTION SITE ONTO PUBLIC ROADWAYS. THE ENTRANCES AND ADJACENT ROADWAY AREAS SHALL BE PERIODICALLY SWEEPED OR WASHED TO FURTHER MINIMIZE THE TRACKING OF MUD, DUST OR DEBRIS FROM THE CONSTRUCTION AREA. STABILIZED CONSTRUCTION EXITS SHALL BE CONSTRUCTED IN AREAS SPECIFIED ON THE PLANS AND AS DETAILED ON THE PLANS.
- DUST CONTROL:**  
DUST CONTROL DURING CONSTRUCTION SHALL BE ACHIEVED BY THE USE OF A WATERING TRUCK TO PERIODICALLY SPRINKLE THE EXPOSED ROADWAY AREAS AS NECESSARY TO REDUCE DUST DURING THE DRY MONTHS. APPLYING OTHER DUST CONTROL PRODUCTS SUCH AS CALCIUM CHLORIDE OR OTHER MANUFACTURED PRODUCTS ARE ALLOWED IF AUTHORIZED BY THE PROPER LOCAL, STATE AND/OR FEDERAL REGULATING AGENCIES. HOWEVER, IT IS THE CONTRACTOR'S ULTIMATE RESPONSIBILITY TO MITIGATE DUST AND SOIL LOSS FROM THE SITE.
- TEMPORARY VEGETATION:**  
TEMPORARY VEGETATION SHALL BE APPLIED TO DISTURBED AREAS THAT WILL NOT RECEIVE FINAL GRADING FOR PERIODS UP TO 12 MONTHS. THIS PROCEDURE SHOULD BE USED EXTENSIVELY IN AREAS ADJACENT TO NATURAL RESOURCES. SEEDED PREPARATION AND APPLICATION OF SEED SHALL BE CONDUCTED AS INDICATED IN THE PERMANENT VEGETATION SECTION OF THIS NARRATIVE. SPECIFIC SEEDS (FAST GROWING MIXTURE) SHALL BE SELECTED FROM THE MAINE EROSION AND SEDIMENT CONTROL BMP MANUAL DATED 3/2003 OR LATER. ALTERNATIVE EROSION CONTROL MEASURES SHOULD BE USED IF SEEDING CAN NOT BE DONE BEFORE SEPTEMBER 15TH OF THE CONSTRUCTION YEAR.
- PERMANENT VEGETATION:**  
REVEGETATION MEASURES SHALL COMMENCE IMMEDIATELY UPON COMPLETION OF FINAL GRADING OF AREAS TO BE LOAMED AND SEEDED. THE APPLICATION OF SEED SHALL BE CONDUCTED BETWEEN APRIL 1ST AND OCTOBER 1ST OF THE CONSTRUCTION YEAR, PLEASE REFER TO THE WINTER EROSION CONTROL NOTES FOR MORE DETAIL. REVEGETATION MEASURES SHALL CONSIST OF THE FOLLOWING:  
**SEEDED PREPARATION:**  
A. FOUR (4) INCHES OF LOAM SHALL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE. LOAM SHALL BE FREE OF SUBSOIL, CLAY LUMPS, STONES AND OTHER OBJECTS OVER 2 INCHES OR LARGER IN ANY DIMENSION, AND WITHOUT WEEDS, ROOTS OR OTHER OBJECTIONABLE MATERIAL.  
B. SOILS TESTS SHALL BE TAKEN AT THE TIME OF SOIL STRIPPING TO DETERMINE FERTILIZATION REQUIREMENTS. SOILS TESTS SHALL BE TAKEN PROMPTLY AS TO NOT INTERFERE WITH THE 14-DAY LIMIT ON SOIL EXPOSURE. BASED UPON TEST RESULTS, SOIL AMENDMENTS SHALL BE INCORPORATED INTO THE SOIL PRIOR TO FINAL SEEDING. IN LIEU OF SOIL TESTS, SOIL AMENDMENTS MAY BE APPLIED AS FOLLOWS:  

ITEM	APPLICATION RATE
10-20-20 FERTILIZER (N-P205-K20 OR EQUAL)	18.4 LBS./1,000 S.F.
GROUND LIMESTONE (50% CALCIUM & MAGNESIUM OXIDE)	138 LBS./1,000 S.F.

  
C. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH PROPER EQUIPMENT. ROLL THE AREA TO FIRM THE SEEDED EXCEPT ON CLAY OR SILTY SOILS OR COARSE SAND.  
**APPLICATION OF SEED:**  
A. SEEDING SHALL BE CONDUCTED BETWEEN APRIL 1ST AND OCTOBER 1ST OF THE CONSTRUCTION YEAR. GENERALLY A SEED MIXTURE MAY BE APPLIED AS FOLLOWS: (MDEP SEED MIX 2 IS DISPLAYED)  

SEED TYPE	APPLICATION RATE
CREeping RED FESCUE	0.48 LBS/1,000 S.F. (20 LBS/ACRE)
TALL FESCUE	0.05 LBS/1,000 S.F. (2 LBS/ACRE)
TOTAL:	0.48 LBS/1,000 S.F. (20 LBS/ACRE)
	0.97 LBS/1,000 S.F. (42 LBS/ACRE)

  
NOTE: A SPECIFIC SEED MIXTURE SHOULD BE CHOSEN TO MATCH THE SOILS CONDITION OF THE SITE. VARIOUS AGENCIES CAN RECOMMEND SEED MIXTURES. MDEP RECOMMENDED SEED MIXTURES ARE IN THE EROSION AND SEDIMENT CONTROL BMP MANUAL DATED 3/2003 OR LATER.  
B. HYDROSEEDING: SHALL BE CONDUCTED ON PREPARED AREAS WITH SLOPES LESS THAN 2:1. LIME AND FERTILIZER MAY BE APPLIED SIMULTANEOUSLY WITH THE SEED. RECOMMENDED SEEDING RATES MUST BE INCREASED BY 10% WHEN HYDROSEEDING.  
C. MULCHING: SHALL COMMENCE IMMEDIATELY AFTER SEED IS APPLIED. REFER TO THE TEMPORARY MULCHING SECTION OF THIS NARRATIVE FOR DETAILS.

#### SEEDED PREPARATION:

- FOUR (4) INCHES OF LOAM SHALL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE. LOAM SHALL BE FREE OF SUBSOIL, CLAY LUMPS, STONES AND OTHER OBJECTS OVER 2 INCHES OR LARGER IN ANY DIMENSION, AND WITHOUT WEEDS, ROOTS OR OTHER OBJECTIONABLE MATERIAL.**
- SOILS TESTS SHALL BE TAKEN AT THE TIME OF SOIL STRIPPING TO DETERMINE FERTILIZATION REQUIREMENTS. SOILS TESTS SHALL BE TAKEN PROMPTLY AS TO NOT INTERFERE WITH THE 14-DAY LIMIT ON SOIL EXPOSURE. BASED UPON TEST RESULTS, SOIL AMENDMENTS SHALL BE INCORPORATED INTO THE SOIL PRIOR TO FINAL SEEDING. IN LIEU OF SOIL TESTS, SOIL AMENDMENTS MAY BE APPLIED AS FOLLOWS:**  

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10-20-20 FERTILIZER (N-P205-K20 OR EQUAL)	18.4 LBS./1,000 S.F.
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**C. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH PROPER EQUIPMENT. ROLL THE AREA TO FIRM THE SEEDED EXCEPT ON CLAY OR SILTY SOILS OR COARSE SAND.**

#### APPLICATION OF SEED:

- SEEDING SHALL BE CONDUCTED BETWEEN APRIL 1ST AND OCTOBER 1ST OF THE CONSTRUCTION YEAR. GENERALLY A SEED MIXTURE MAY BE APPLIED AS FOLLOWS: (MDEP SEED MIX 2 IS DISPLAYED)**  

SEED TYPE	APPLICATION RATE
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**NOTE: A SPECIFIC SEED MIXTURE SHOULD BE CHOSEN TO MATCH THE SOILS CONDITION OF THE SITE. VARIOUS AGENCIES CAN RECOMMEND SEED MIXTURES. MDEP RECOMMENDED SEED MIXTURES ARE IN THE EROSION AND SEDIMENT CONTROL BMP MANUAL DATED 3/2003 OR LATER.**
- HYDROSEEDING: SHALL BE CONDUCTED ON PREPARED AREAS WITH SLOPES LESS THAN 2:1. LIME AND FERTILIZER MAY BE APPLIED SIMULTANEOUSLY WITH THE SEED. RECOMMENDED SEEDING RATES MUST BE INCREASED BY 10% WHEN HYDROSEEDING.**
- MULCHING: SHALL COMMENCE IMMEDIATELY AFTER SEED IS APPLIED. REFER TO THE TEMPORARY MULCHING SECTION OF THIS NARRATIVE FOR DETAILS.**

#### SODDING:

FOLLOWING SEEDED PREPARATION, SOD CAN BE APPLIED IN LIEU OF SEEDING IN AREAS WHERE IMMEDIATE VEGETATION IS MOST BENEFICIAL SUCH AS DITCHES, AROUND STORMWATER DROP INLETS AND AREAS OF AESTHETIC VALUE. SOD SHOULD BE LAID AT RIGHT ANGLES TO THE DISTURBED AREAS TOWARD THE PROTECTED NATURAL RESOURCE. PERIMETER EROSION CONTROLS MUST BE DOUBLED AND THE JOINTS ONCE LAID DOWN, WHERE FLOW IS PREVALENT THE SOD MUST BE PROPERLY ANCHORED DOWN, IRRIGATE THE SOD IMMEDIATELY AFTER INSTALLATION. IN MOST CASES, SOD CAN BE ESTABLISHED BETWEEN APRIL 1ST AND NOVEMBER 15TH OF THE CONSTRUCTION YEAR, HOWEVER, REFER TO THE WINTER EROSION CONTROL NOTES FOR ANY ACTIVITIES AFTER OCTOBER 1ST.

#### STANDARDS FOR TIMELY STABILIZATION:

STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SLOPES -- THE CONTRACTOR WILL CONSTRUCT AND STABILIZE STONE-COVERED SLOPES BY NOVEMBER 15. THE CONTRACTOR WILL SEED AND MULCH ALL SLOPES TO BE VEGETATED BY SEPTEMBER 15. THE MDEP WILL CONSIDER ANY AREA HAVING A GRADE GREATER THAN 8% (12.5H:1V) TO BE A SLOPE. IF THE CONTRACTOR FAILS TO STABILIZE ANY SLOPE TO BE VEGETATED BY SEPTEMBER 15, THEN THE CONTRACTOR WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SLOPE FOR LATE FALL AND WINTER.

- STABILIZE THE SOIL WITH TEMPORARY VEGETATION AND EROSION CONTROL MATS --** BY OCTOBER 1 THE CONTRACTOR WILL SEED THE DISTURBED SLOPE WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1,000 SQUARE FEET AND APPLY EROSION CONTROL MATS OVER THE MULCHED SLOPE. THE CONTRACTOR WILL MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR COVER AT LEAST 75% OF THE DISTURBED SLOPE BY NOVEMBER 1, THEN THE APPLICANT WILL COVER THE SLOPE WITH A LAYER OF EROSION CONTROL MIX AS DESCRIBED IN ITEM 2(C.) OF THIS STANDARD OR WITH STONE RIPRAP AS DESCRIBED IN ITEM 2(D.) OF THIS STANDARD.
- STABILIZE THE SLOPE WITH SOD --** THE CONTRACTOR WILL STABILIZE THE DISTURBED SLOPE WITH PROPERLY INSTALLED SOD BY NOVEMBER 15. PROPER INSTALLATION INCLUDES THE APPLICANT PINNING THE SOD ONTO THE SLOPE 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 APPLICANT WILL NOT USE LATE-SEASON SOD INSTALLATION TO STABILIZE SLOPES HAVING A GRADE GREATER THAN 33% (3H:1V).
- STABILIZE THE SLOPE WITH EROSION CONTROL MIX --** THE CONTRACTOR WILL PLACE A SIX-INCH LAYER OF EROSION CONTROL MIX ON THE SLOPE BY NOVEMBER 15. PRIOR TO PLACING THE EROSION CONTROL MIX, THE APPLICANT WILL REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED SLOPE. DO NOT USE EROSION CONTROL MIX TO STABILIZE SLOPES HAVING GRADES GREATER THAN 1H:1V OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.
- STABILIZE THE SLOPE WITH STONE RIPRAP --** THE CONTRACTOR WILL PLACE A LAYER OF STONE RIPRAP ON THE SLOPE BY NOVEMBER 15. THE APPLICANT WILL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE NEEDED FOR STABILITY AND TO DESIGN A FILTER LAYER FOR UNDERNEATH THE RIPRAP.

STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SOILS -- BY SEPTEMBER 15 THE CONTRACTOR WILL SEED AND MULCH ALL DISTURBED SOILS ON AREAS HAVING A SLOPE LESS THAN 8%. IF THE CONTRACTOR FAILS TO STABILIZE THESE SOILS BY THIS DATE, THEN THE CONTRACTOR WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SOIL FOR LATE FALL AND WINTER.

- STABILIZE THE SOIL WITH TEMPORARY VEGETATION --** BY OCTOBER 1 THE CONTRACTOR WILL SEED THE DISTURBED SOIL WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET, LIGHTLY MULCH THE SEEDED SOIL WITH HAY OR STRAW AT 75 POUNDS PER 1000 SQUARE FEET, AND ANCHOR THE MULCH WITH PLASTIC NETTING. THE APPLICANT WILL MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR COVER AT LEAST 75% OF THE DISTURBED SOIL BEFORE NOVEMBER 15, THEN THE APPLICANT WILL MULCH THE AREA FOR OVER-WINTER PROTECTION AS DESCRIBED IN ITEM 3(C.) OF THIS STANDARD.
- STABILIZE THE SOIL WITH SOD --** THE APPLICANT WILL STABILIZE THE DISTURBED SOIL WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES THE APPLICANT 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 --** BY NOVEMBER 15 THE APPLICANT WILL 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. PRIOR TO APPLYING THE MULCH, THE APPLICANT WILL REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED AREA. IMMEDIATELY AFTER APPLYING THE MULCH, THE APPLICANT WILL ANCHOR THE MULCH WITH PLASTIC NETTING TO PREVENT WIND FROM MOVING THE MULCH OFF THE DISTURBED SOIL.
- STABILIZE THE SOIL WITH EROSION CONTROL MIX --** THE CONTRACTOR WILL PLACE A MINIMUM TWO-INCH LAYER OF EROSION CONTROL MIX ON THE SOIL BY NOVEMBER 15. PRIOR TO PLACING THE EROSION CONTROL MIX, THE APPLICANT WILL REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED SLOPE.

### HOUSEKEEPING:

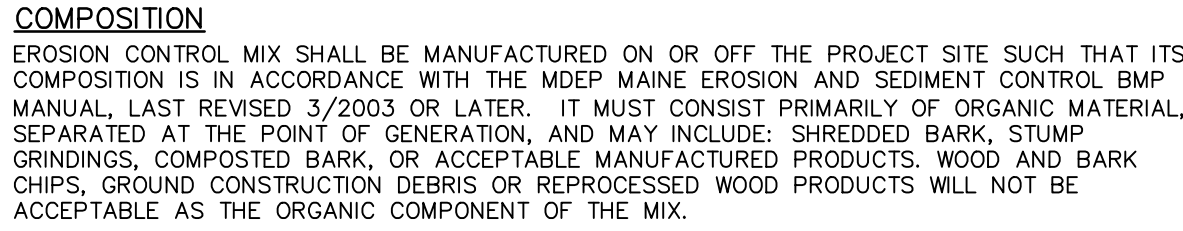
THE FOLLOWING GENERAL PERFORMANCE STANDARDS APPLY TO THE PROPOSED PROJECT.

- SPILL PREVENTION:**  
CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM CONSTRUCTION AND WASTE MATERIALS STORED ON SITE TO ENTER STORMWATER, WHICH INCLUDES STORAGE PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORMWATER. THE CONTRACTOR OR OPERATOR MUST DEVELOP, AND IMPLEMENT AS NECESSARY, APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLANNING MEASURES.
- 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 DESIGN OR AS A RESULT OF SOILS, TOPOGRAPHY AND OTHER RELEVANT FACTORS ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL, DIKES, BERMS, SUMPS, AND OTHER FORMS OF SECONDARY CONTAINMENT THAT PREVENT DISCHARGE TO GROUNDWATER. MATERIALS MAY BE USED TO FURTHER MINIMIZE THE TRACKING OF MUD, DUST OR DEBRIS FROM THE CONSTRUCTION AREA. STABILIZED STORAGE AND HANDLING OF THESE MATERIALS. ANY PROJECT PROPOSING INFILTRATION OF STORMWATER MUST PROVIDE ADEQUATE PRE-TREATMENT OF STORMWATER PRIOR TO DISCHARGE OF STORMWATER TO THE INFILTRATION AREA, OR PROVIDE FOR TREATMENT WITHIN THE INFILTRATION AREA, IN ORDER TO PREVENT THE ACCUMULATION OF FINES, REDUCTION IN INFILTRATION RATE, AND CONSEQUENT FLOODING AND DESTABILIZATION.
- FUGITIVE SEDIMENT AND DUST:**  
ACTIONS MUST BE TAKEN TO ENSURE THAT ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FUGITIVE DUST EMISSIONS DURING OR AFTER CONSTRUCTION. OIL MAY NOT BE USED FOR DUST CONTROL, BUT OTHER WATER ADDITIVES MAY BE CONSIDERED AS NEEDED. A STABILIZED CONSTRUCTION ENTRANCE (SCE) SHOULD BE INCLUDED TO MINIMIZE TRACKING OF MUD AND SEDIMENT. IF OFF-SITE TRACKING OCCURS, PUBLIC ROADS SHOULD BE SWEEPED IMMEDIATELY AND NO LESS THAN ONCE A WEEK AND PRIOR TO SIGNIFICANT STORM EVENTS. OPERATIONS DURING DRY MONTHS, THAT EXPERIENCE FUGITIVE DUST PROBLEMS, SHOULD WET DOWN UNPAVED ACCESS ROADS ONCE A WEEK OR MORE FREQUENTLY AS NEEDED WITH A WATER ADDITIVE TO SUPPRESS FUGITIVE SEDIMENT AND DUST.
- DEBRIS AND OTHER MATERIALS:**  
MINIMIZE THE EXPOSURE OF CONSTRUCTION DEBRIS, BUILDING AND LANDSCAPING MATERIALS, TRASH, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS TO PRECIPITATION AND STORMWATER RUNOFF. THESE MATERIALS MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.
- EXCAVATION DE-WATERING:**  
EXCAVATION DE-WATERING IS THE REMOVAL OF WATER FROM TRENCHES, FOUNDATIONS, COFFER DAMS, PONDS, AND OTHER AREAS WITHIN THE CONSTRUCTION AREA THAT RETAIN WATER AFTER EXCAVATION. IN MOST CASES, THE COLLECTED WATER IS HEAVILY SILTED AND HINDERS CORRECT AND SAFE CONSTRUCTION PRACTICES. THE COLLECTED WATER REMOVED FROM THE PONDED AREA, EITHER THROUGH GRAVITY OR PUMPING, MUST BE SPREAD THROUGH NATURAL WOODED 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.
- AUTHORIZED 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; 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; POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS; LANDSCAPE IRRIGATION.
- UNAUTHORIZED NON-STORMWATER DISCHARGES:**  
THE DEP DOES NOT AUTHORIZE A DISCHARGE THAT IS MIXED WITH A SOURCE OF NON-STORMWATER, 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 POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; SOAPS, SOLVENTS, OR DETERGENTS USED IN VEHICLE AND EQUIPMENT WASHING; TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE.

## CONSTRUCTION NOTES

- ALL WORK SHALL CONFORM TO THE APPLICABLE CODES AND ORDINANCES.
- CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIM OR HERSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIM OR HERSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- CONTRACTOR SHALL NOTIFY ENGINEER OF ALL PRODUCTS OR ITEMS NOTED AS "EXISTING" WHICH ARE NOT FOUND IN THE FIELD.
- INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND OWNER'S REQUIREMENTS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. ANY UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ATTENTION OF THE ENGINEER.
- CONTRACTOR SHALL CLEAN AND REMOVE DEBRIS AND SEDIMENT DEPOSITED ON PUBLIC STREETS, SIDEWALKS, ADJACENT AREAS, OR OTHER PUBLIC WAYS DUE TO CONSTRUCTION.
- CONTRACTOR SHALL INCORPORATE PROVISIONS AS NECESSARY IN CONSTRUCTION TO PROTECT EXISTING STRUCTURES, PHYSICAL FEATURES, AND MAINTAIN SITE STABILITY DURING CONSTRUCTION. CONTRACTOR SHALL RESTORE ALL AREAS TO ORIGINAL CONDITION AND AS DIRECTED BY DESIGN DRAWINGS.
- SITE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH "MAINE EROSION AND SEDIMENT CONTROL BMPs" PUBLISHED BY THE BUREAU OF LAND AND WATER, DEPARTMENT OF ENVIRONMENTAL PROTECTION, OCTOBER 2016 OR LATEST EDITION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO POSSESS A COPY OF THE EROSION CONTROL PLAN AT ALL TIMES.
- THE CONTRACTOR IS HEREBY CAUTIONED THAT ALL SITE FEATURES SHOWN HEREON ARE BASED ON FIELD OBSERVATIONS BY THE SURVEYOR AND BY INFORMATION PROVIDED BY UTILITY COMPANIES. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR CORRECT. THE CONTRACTOR SHALL CONTACT DIG SAFE (811) AT LEAST THREE (3) BUT NOT MORE THAN THIRTY (30) DAYS PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION TO VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES.
- CONTRACTOR SHALL BE AWARE THAT DIG SAFE ONLY NOTIFIES ITS "MEMBER" UTILITIES ABOUT THE DIG. WHEN NOTIFIED, DIG SAFE WILL ADVISE CONTRACTOR OF MEMBER UTILITIES IN THE AREA. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND CONTACTING NON-MEMBER UTILITIES DIRECTLY. NON-MEMBER UTILITIES MAY INCLUDE TOWN OR CITY WATER AND SEWER, POWER, GAS, AND OTHER UTILITIES, AS WELL AS USE PUBLIC WORKS SYSTEMS.
- CONTRACTORS SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE REQUIREMENTS OF 23 MRS 3360-A. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE APPROPRIATE UTILITIES TO OBTAIN AUTHORIZATION PRIOR TO RELOCATION OF ANY EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS. IF A UTILITY CONFLICT ARISES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER, THE MUNICIPALITY AND APPROPRIATE UTILITY COMPANY PRIOR TO PROCEEDING WITH ANY RELOCATION.
- ALL PAVEMENT MARKINGS AND DIRECTIONAL SIGNAGE SHOWN ON THE PLAN SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS.
- ALL PAVEMENT JOINTS SHALL BE SAWCUT PRIOR TO PAVING TO PROVIDE A DURABLE AND UNIFORM JOINT.
- NO HOLES, TRENCHES OR STRUCTURES SHALL BE LEFT OPEN OVERNIGHT IN ANY EXCAVATION ACCESSIBLE TO THE PUBLIC OR IN PUBLIC RIGHTS-OF-WAY.
- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL REQUIRE A M.D.O.T. PERMIT AS WELL AS PERMITS FROM THE TOWN AS APPLICABLE.
- THE PROPOSED LIMITS OF CLEARING SHOWN HEREON ARE APPROXIMATE BASED UPON THE PROPOSED LIMITS OF SITE GRADING. THE APPLICANT RESERVES THE RIGHT TO PERFORM NORMAL FOREST MANAGEMENT ACTIVITIES OUTSIDE OF THE CLEARING LIMIT AS SHOWN. TREE REMOVAL OUTSIDE OF THE LIMITS OF CLEARING MAY BE NECESSARY TO REMOVE DEAD OR DYING TREES OR TREE LIMBS. THIS REMOVAL IS DUE TO POTENTIAL SAFETY HAZARDS AND TO PROMOTE PROPER FOREST GROWTH.
- IMMEDIATELY UPON COMPLETION OF CUTS/FILLS, THE CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH EROSION CONTROL NOTES AND AS SPECIFIED ON PLANS.
- THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR THE REMOVAL, REPLACEMENT AND RECTIFICATION OF ALL DAMAGED AND DEFECTIVE MATERIAL AND WORKMANSHIP IN CONNECTION WITH THE CONTRACT WORK. THE CONTRACTOR SHALL REPLACE OR REPAIR AS DICTATED BY THE OWNER ALL SUCH DAMAGED OR DEFECTIVE MATERIALS WHICH APPEAR WITHIN A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.
- ALL WORK PERFORMED BY THE GENERAL CONTRACTOR AND/OR TRADE SUBCONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF LOCAL, STATE OR FEDERAL LAWS, AS WELL AS ANY OTHER GOVERNING REQUIREMENTS, WHETHER OR NOT SPECIFIED ON THE DRAWINGS.
21. WHERE THE TERMS "APPROVED EQUAL", "OTHER APPROVED", "EQUAL TO", "ACCEPTABLE" OR OTHER GENERAL QUALIFYING TERMS ARE USED IN THESE NOTES, IT SHALL BE UNDERSTOOD THAT REFERENCE IS MADE TO THE RULING AND JUDGMENT OF SEBAGO

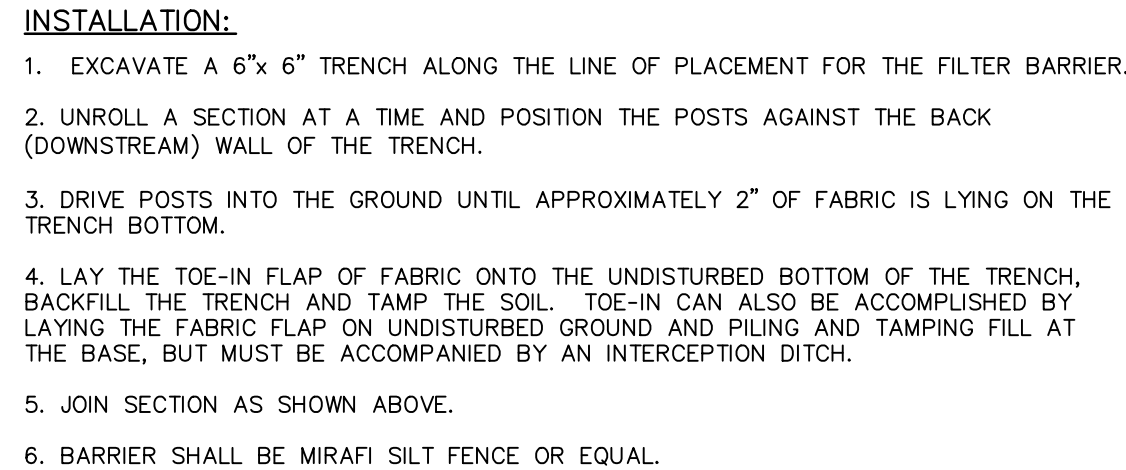




EROSION CONTROL MIX SHALL BE MANUFACTURED ON OR OFF THE PROJECT SITE SUCH THAT ITS COMPOSITION IS IN ACCORDANCE WITH THE MDEP MAINE EROSION AND SEDIMENT CONTROL BMP MANUAL, LAST REVISED 3/2003 OR LATER. IT MUST CONSIST PRIMARILY OF ORGANIC MATERIAL, SEPARATED AT THE POINT OF GENERATION, AND MAY INCLUDE: SHREDDED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR ACCEPTABLE MANUFACTURED PRODUCTS. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS OR REPROCESSED WOOD PRODUCTS WILL NOT BE ACCEPTABLE AS THE ORGANIC COMPONENT OF THE MIX.

1. THE BARRIER MUST BE PLACED ACROSS THE SLOPE, ALONG THE CONTOUR.
2. EXISTING GROUND SHALL BE PREPARED SUCH THAT THE BARRIER MAY LIE NEARLY FLAT ALONG THE LENGTH OF THE BARRIER. THE BARRIER SHALL BE DESIGNED TO MINIMIZE THE POTENTIAL OF WASH OUTS UNDER THE BARRIER.
3. THE BARRIER SHALL BE A MINIMUM OF 1 FOOT HIGH (AS MEASURED ON THE UPHILL SIDE) AND 12 INCHES WIDE. THE BARRIER SHALL BE DESIGNED TO ACCOMMODATE THE ADDITIONAL RUNOFF.
4. THE BARRIER SHALL BE INSTALLED WHERE SILT FENCE IS ILLUSTRATED ON THE DESIGN PLANS IN AREAS EXCEPT IN, BUT NOT LIMITED TO, THE FOLLOWING AREAS: WETLAND AREAS, AT POINTS OF CONCENTRATED FLOW, BELOW CULVERT OUTLET APRONS, AROUND CATCH BASINS, AND AT THE BOTTOM OF STEEP SLOPES THAT ARE MORE THAN 50 FEET FROM TOP TO BOTTOM.

NOT TO SCALE



NOT TO SCALE



PRIOR TO FINAL GRADING AND PAVING OPERATIONS BEGIN A CATCH BASIN INSERT (SUCH AS A SILT SACK OR A DANDY BAG II) MUST BE INSTALLED IN EACH BASIN PER MANUFACTURES INSTRUCTIONS. HAY BALES SHOULD BE REMOVED ONCE INSERTS ARE INSTALLED.

NOT TO SCALE



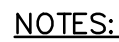
1. CONTRACTOR SHALL SUBMIT FENCE AND MAN GATE SHOP DRAWINGS FOR OWNER/ENGINEER APPROVAL.

NOT TO SCALE



1. BURY THE TOP END OF THE MESH MATERIAL IN A 6" TRENCH AND BACKFILL AND TAMP TRENCHING SECURE END WITH STAPLES AT 6" SPACING, 4" DOWN FROM EXPOSED END.
2. FLOW DIRECTION JOINTS TO HAVE UPPER END OF LOWER STAPLE BURIED WITH UPPER LAYERS OVERLAPPED 4" AND STAPLED OVERLAP B OVER A.
3. LATERAL JOINTS TO HAVE 4" OVERLAP OF STAPLES. STAPLE 18" ON CENTER.
4. STAPLE OUTSIDE LATERAL EDGE 2" ON CENTER.
5. WIRE STAPLES TO BE MIN OF #11 WIRE 6" LONG AND 1-1/2" WIDE.
6. USE NORTH AMERICAN GREEN D 150 OR APPROVED ALIKE.

NOT TO SCALE



1. STONE SIZE- AASHTO DESIGNATION M43, SIZE NO. 2 (2 1/2" TO 1 1/2"). USE CRUSHED STONE.
2. LENGTH- AS SHOWN ON PLANS, MIN. 50 FEET.
3. THICKNESS- NOT LESS THAN EIGHT (8) INCHES.
4. WIDTH- NOT LESS THAN FULL WIDTH OF ALL POINT OF INGRESS OR EGRESS.
5. MAINTENANCE- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.

NOT TO SCALE



1. COMPACT GRAVEL SUBBASE AND BASE COURSES TO 95% OF MAXIMUM DENSITY USING HEAVY ROLLER COMPACTION

NOT TO SCALE



1. CONTRACTOR SHALL SUBMIT FENCE AND MAN GATE SHOP DRAWINGS FOR OWNER/ENGINEER APPROVAL.
2. POSTS SHALL BE SPACED AT 10 FEET O.C.

NOT TO SCALE

**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

DETAILS  
OF: QUARRY RIDGE BUSINESS PARK  
ENTERPRISE DRIVE/BEDROCK TERRACE  
NORTH WINDHAM, MAINE  
FOR: COPART OF CONNECTICUT INC.  
14185 DALLAS PARKWAY, SUITE 300  
DALLAS, TEXAS 75254

PROJECT NO.	SCALE
14135	1"=50'

SHEET 9 OF 9