EROSION AND SEDIMENTATION CONTROL NOTES

1. CONFORM TO THE "MAINE EROSION AND SEDIMENTATION CONTROL BMP'S" PUBLISHED BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION IN 2003

2. DISTURBED AREAS SHALL REMAIN UNTREATED FOR A MINIMUM PERIOD. STABILIZE AREA WITHIN 100' OF A STREAM, POND OR WETLAND WITHIN 7 DAYS. STABILIZE ALL OTHER DISTURBED AREAS WITHIN 30 DAYS OF DISTURBANCE. PERMANENTLY REVEGETATE ALL AREAS WITHIN 15 DAYS OF FINAL GRADING.

3. INSTALL ALL SILT FENCE PRIOR TO SOIL DISTURBANCE. INSTALL SILT FENCE DOWN GRADIENT FROM AREAS TO BE DISTURBED. SEE DRAWINGS. INSTALL SILT FENCE ACCORDING TO THE DETAIL ON THE DRAWINGS. INSPECT SILT FENCE ON A WEEKLY BASIS AND AFTER SIGNIFICANT STORM EVENTS. REMOVE SEDIMENT AFTER EVERY SIGNIFICANT STORM EVENT. MAINTAIN SILT FENCE IN PLACE UNTIL UPLAND AREAS TRIBUTARY TO THE SILT FENCE ARE REVEGETATED. RETURN RECOVERED SEDIMENT TO THE SITE. INSTALL SILT FENCE AT WETLAND BOUNDARIES AND AT EDGES OF WETLAND DISTURBANCE.

4. SLOPES SHALL BE FLATTER THAN 2 HORIZONTAL TO 1 VERTICAL, UNLESS SHOWN OTHERWISE ON THE DRAWINGS.

5. TEMPORARY AND FINAL SEEDING SHALL BOTH BE COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST. TEMPORARY SEEDING SHALL BE PERFORMED ON AREAS NOT YET FINAL GRADED. FINAL SEEDING SHALL BE PERFORMED ON AREAS THAT HAVE BEEN FINAL GRADED. TEMPORARY MULCHING OR DORMANT SEEDING WILL BE NECESSARY FOR AREAS WHICH ARE TOO CLOSE TO THE FIRST KILLING FROST. DELAY FINAL SEEDING UNTIL THE NEXT APPROPRIATE PERIOD.

6. REVEGETATE DISTURBED AREAS AS SOON AS POSSIBLE. REVEGETATE DISTURBED AREAS BY GRADING SUBGRADE TO A SMOOTH CONDITION; SPREAD AND SMOOTH LOAM TO A UNIFORM THICKNESS OF 4 INCHES; APPLY LIMESTONE AND FERTILIZER TO LOAM. APPLY (10-20-20) FERTILIZER AND LIMESTONE WITH 50% CALCIUM) AT RATE OF 800 POUNDS PER ACRE AND 6000 POUNDS PER ACRE RESPECTIVELY; APPLY SEED (LAWN:44% KENTUCKY BLUEGRASS, 44% CREEPING RED FESCUE, 12% PERENNIAL RYE; REAR AREAS 47% CREEPING RED FESCUE, 5% REDTOP, 48% TALL FESCUE) AT A RATE OF 45 LBS PER ACRE; APPLY HAY MULCH AT THE RATE OF 3000 TO 4000 POUNDS PER ACRE. HYDROSEEDING WITH SIMILAR SPECIFICATIONS MAY BE SUBSTITUTED.

7. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES WHEN SITE IS STABLE; VEGETATION IS MATURE.

8. TEMPORARY SEEDING MIXTURES (PERIODS OVER 30 DAYS BUT LESS THAN 12 MONTHS) BY TIME OF YEAR: 05/15 TO 08/15 SUDANGRASS (40 POUNDS PER ACRE) AND OATS 80 POUNDS PER ACRE; 08/15 TO 09/15 ANNUAL RYE GRASS (40 POUNDS PER ACRE) AND PERENNIAL RYE GRASS (40 POUNDS PER ACRE); 09/15 TO 11/01 WINTER RYE (112 LBS PER ACRE) AND ADD MULCH; 04/01 TO 05/15 OATS (80 LBS PER ACRE) AND ANNUAL RYE GRASS (40 LBS PER ACRE).

9. MULCH TYPE AS DETERMINED BY LOCATION AND CIRCUMSTANCE. PROTECTED AREAS. STRAW OR HAY AT 4400 LBS PER ACRE; WINDY AREAS; SHREDDED OR CHOPPED CORN STALKS (8000 TO 12000 LBS PER ACRE); MODERATE TO HIGH WATER VELOCITY AREAS OR SLOPES GREATER THAN 8% ON LUTE MESH OR EXCELSIOR MAT; NOTE: HYDRO-APPLICATION OF ASPHALT, WOOD OR PAPER MAY BE SUBSTITUTED FOR MULCH IN NON-CRITICAL AREAS WITH NO CONCENTRATED FLOW AND LESS THAN 8% SLOPE. APPLY AT 2000 POUNDS PER ACRE.

10. ANCHOR MULCH AS FOLLOWS: PEG AND TWINE (1 SY PER BLOCK); MULCH AND NETTING (AS RECOMMENDED BY THE MANUFACTURER); LIQUID TACK (AS RECOMMENDED BY MANUFACTURERS); WETTING OF HAY AND STRAW MAY BE ACCEPTABLE FOR SOME AREAS AND SOME ROAD DITCHES.

11. WINTER CONSTRUCTION RULES (11/01 TO 4/15): LEAVE NO MORE THAN 1 ACRE OF SITE UNSTABILIZED AT ANY GIVEN TIEM WITHOUT STABILIZATION MEANING ANCHORED MULCH (WITH OR WITHOUT SEEDING - NO LOAM). BETWEEN 10/15 AND 4/15 LOAM AND SEED NOT REQUIRED IF ONLY TEMPORARY STABILIZATION. COMPLETE PERMANENT STABILIZATION OUTSIDE WINTER PERIOD. DORMANT SEEDING ON PREVIOUSLY PREPARED LOAM SURFACES MAY BE UNDERTAKEN DURING WINTER PERIOD AS SEED RATES 3 TIMES SPECIFIED. APPLY AND ANCHOR MULCH. EARTHWORK DURING WINTER PERIOD SHALL BE UNDERTAKEN ON A CONTINUOUS BASIS TO PREVENT FREEZING OF SOILS TO BE FURTHER WORKED PRIOR TO TEMPORARY STABILIZATION. STABILIZE WORK AREAS COMPLETED ON A DAILY BASIS DURING WINTER PERIOD. WINTER PERIOD MULCH OPTIONS INCLUDE PEG AND TWINE, MULCH NETTING, ASHALT EMULSION, CHEMICAL TACK OR WOOD CELLULOSE FIBER. ANCHOR MULCH IN DRAINAGE WAYS WITH SLOPES GREATER THAN 3% SLOPES EXPOSED TO DIRECT WINDS, AND OTHER SLOPES GREATER THAN 8% SLOPE.

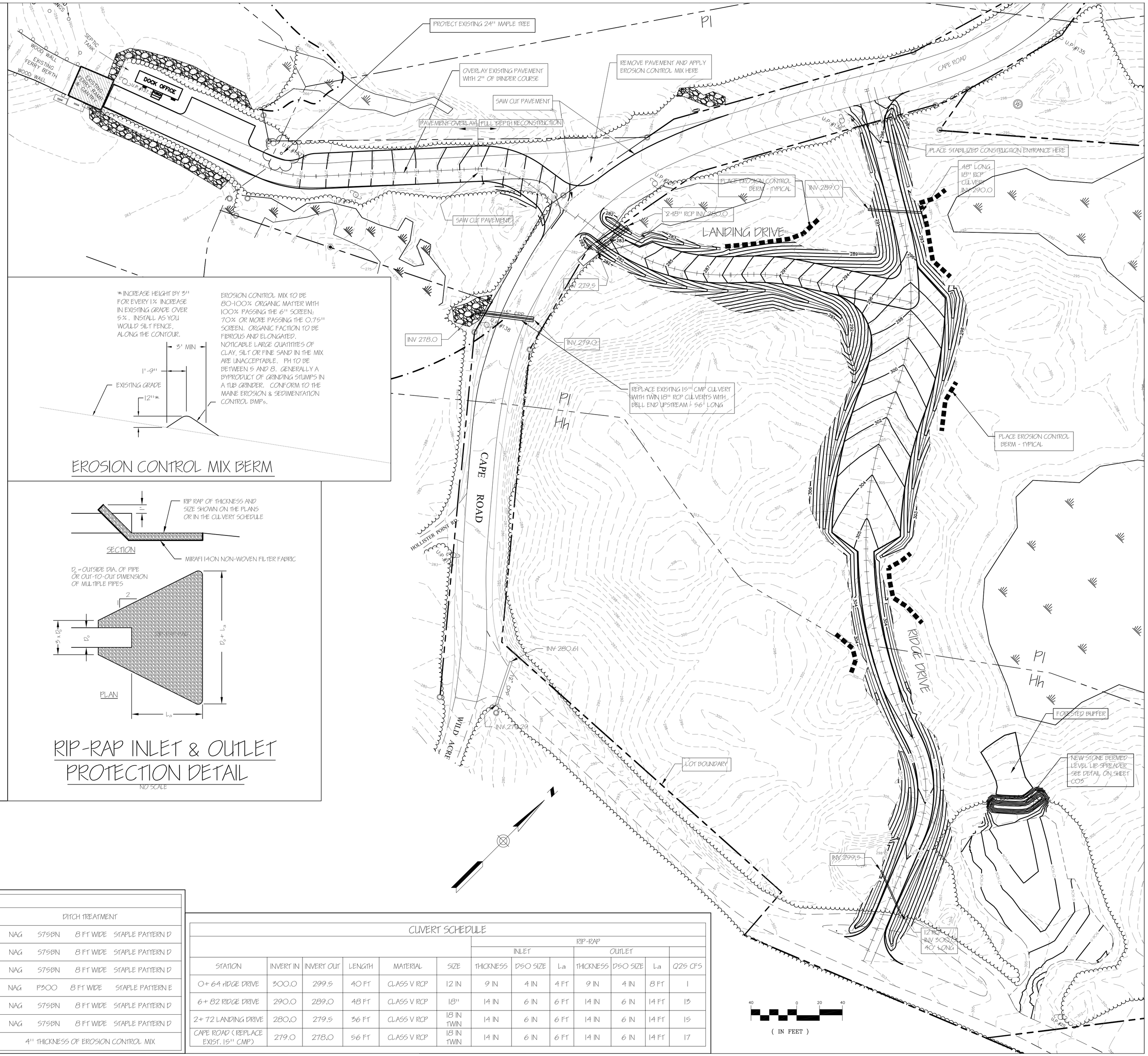
12. SENSITIVE AREAS WITHIN 100' OF WATERCOURSES, PONDS, OR WETLANDS SHALL BE STABILIZED WITHIN 48 HOURS OF DISTURBANCE.

13. CONFORM TO APPENDIX A, B AND C REQUIREMENTS OF MAINE GENERAL PERMIT, A COPY OF WHICH THE CONTRACTOR SHALL BE GIVEN BY THE APPLICANT AND SHALL GOVERN IN CASES WHERE THOSE REQUIREMENTS ARE MORE STRICT THAN THOSE ABOVE.

EROSION CONTROL MIX BERM

RIP-RAP INLET & OUTLET PROTECTION DETAIL

NO SCALE



DITCH SCHEDULE

DITCH REACH	Q25 CFS	SLOPE	DUATION	DITCH TREATMENT
RIDGE DRIVE RIGHT 0+00 TO 1+00	1	0.010	5 HRS	NAG S75BN 8 FT WIDE STAPLE PATTERN D
RIDGE DRIVE RIGHT 3+75 TO 6+10	1.5	0.005	5 HRS	NAG S75BN 8 FT WIDE STAPLE PATTERN D
RIDGE DRIVE LEFT 3+80 TO 5+80	1.5	0.041	5 HRS	NAG S75BN 8 FT WIDE STAPLE PATTERN D
LANDING DRIVE LEFT 0+40 TO 2+90	4	0.060	5 HRS	NAG P300 8 FT WIDE STAPLE PATTERN E
RIDGE DRIVE RIGHT 7+00 TO 10+75	1	0.020	5 HRS	NAG S75BN 8 FT WIDE STAPLE PATTERN D
LANDING DRIVE RIGHT 1+70 TO 2+90	1	0.060	5 HRS	NAG S75BN 8 FT WIDE STAPLE PATTERN D
ALL OTHER DITCHES SIDESLOPES AND BACKSLOPES				4" THICKNESS OF EROSION CONTROL MIX

CULVERT SCHEDULE

						RIP-RAP						
						INLET			OUTLET			
STATION	INVERT IN	INVERT OUT	LENGTH	MATERIAL	SIZE	THICKNESS	D50 SIZE	La	THICKNESS	D50 SIZE	La	Q25 CFS
0+64 RIDGE DRIVE	300.0	299.5	40 FT	CLASS V RCP	12 IN	9 IN	4 IN	4 FT	9 IN	4 IN	8 FT	1
6+82 RIDGE DRIVE	290.0	289.0	48 FT	CLASS V RCP	18"	14 IN	6 IN	6 FT	14 IN	6 IN	14 FT	13
2+72 LANDING DRIVE	280.0	279.5	56 FT	CLASS V RCP	18 IN TWIN	14 IN	6 IN	6 FT	14 IN	6 IN	14 FT	15
CAPE ROAD (REPLACE EXIST. 15" CMP)	279.0	278.0	56 FT	CLASS V RCP	18 IN TWIN	14 IN	6 IN	6 FT	14 IN	6 IN	14 FT	17

REVISIONS		
NO.	DATE	DESCRIPTION
A	5-17-2012	FOR PERMITTING
B	6-14-2012	FOR PERMITTING

STATE OF MAINE MARK GRAY 12958 REGISTERED PROFESSIONAL ENGINEER

JAMM
Civil and Structural Engineering
155 Loon Point Lane, Poland Spring, ME 04274
207-998-7017 Fax: 207-998-7017

TOWN OF FRYE ISLAND
PROPOSED PARK & RIDE FACILITY - PHASE I
CAPE ROAD & QUARRY COVE ROAD
RAYMOND, MAINE

GRADING, DRAINAGE
EROSION CONTROL

DESIGNED	DATE
M. GRAY	1-25-2012
DRAWN	SCALE
M. GRAY	AS SHOWN
CHECKED	JOB. NO.
M. GRAY	2007051

SHEET NO.
C02

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