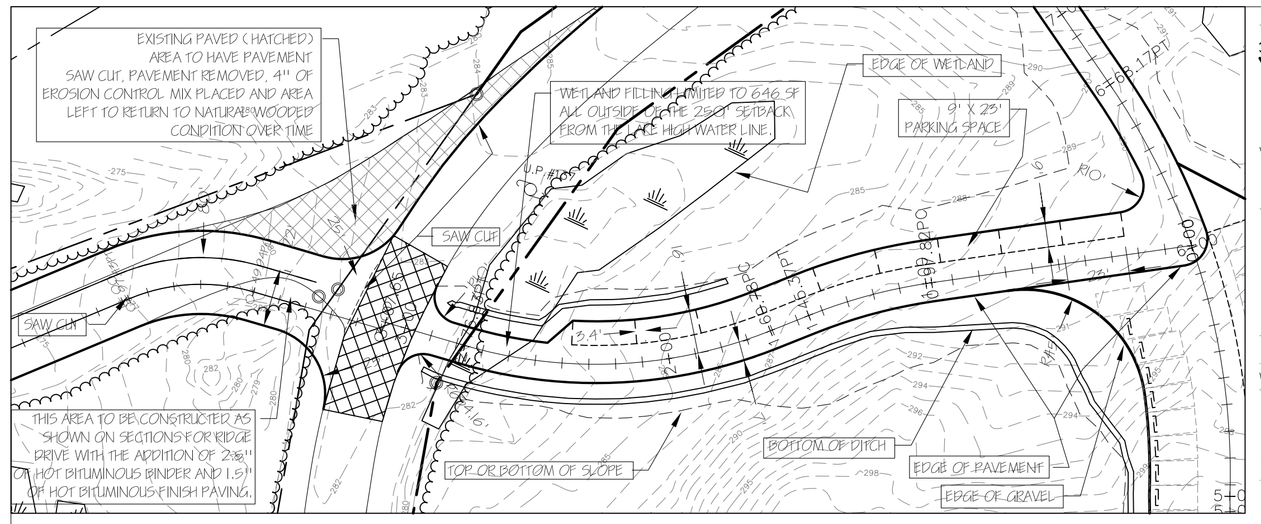
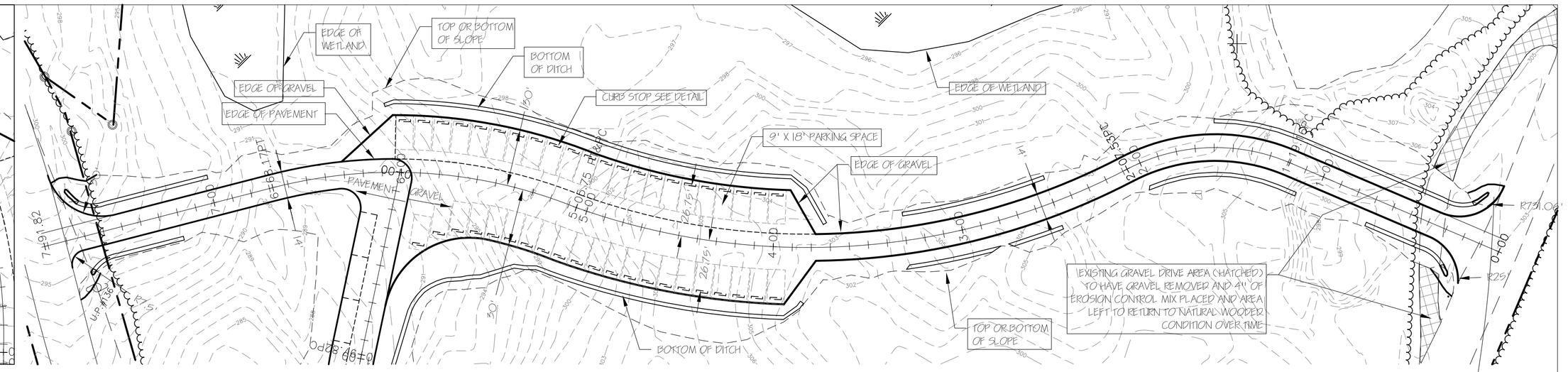
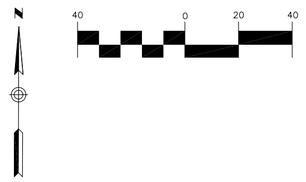




LANDING DR PLAN/ PROFILE



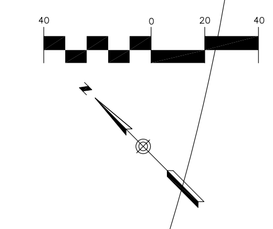
LANDING DRIVE CENTERLINE ALIGNMENT LAYOUT DATA

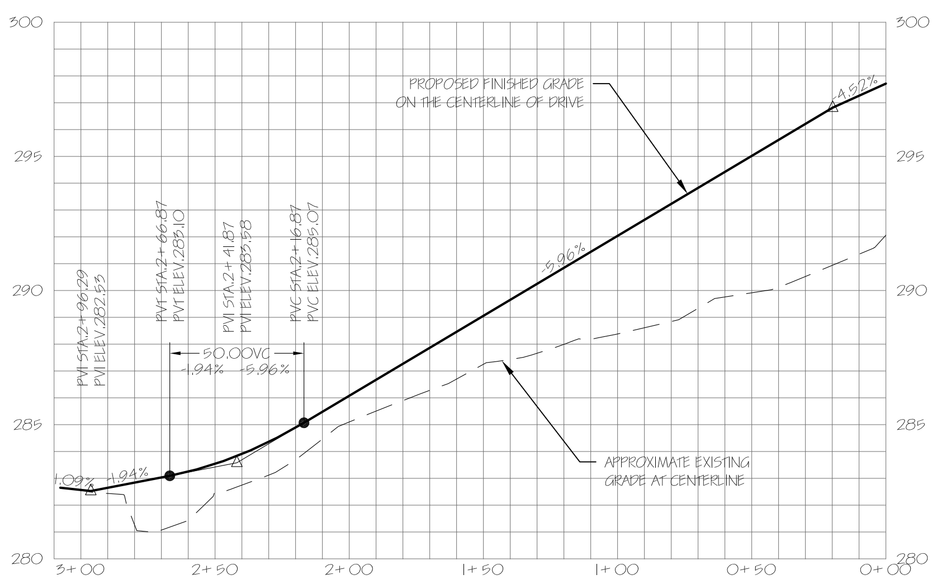
SEGMENT	STATION	EASTING	NORTHING	ID	BEARING	DISTANCE	RADIUS_LENGTH	PI_NORTHING	PI_EASTING	ARC_LENGTH
	0+00.000	11719.993	9797.073							
TANGENT					S 56°51'52 W"	97.824'				
	0+97.824	11638.077	9743.6	PC						
CURVE							200.000'	9730.544	11618.077	47.544'
	1+45.368	11601.713	9713.146	PT						
TANGENT					S 43°14'39 W"	15.410'				
	1+60.778	11591.156	9701.921	PC						
CURVE							175.000'	9658.03	11549.876	116.056'
	2+76.834	11490.327	9648.856	PT						
TANGENT					S 81°14'29 W"	30.820'				
	3+07.654	11459.866	9644.162							

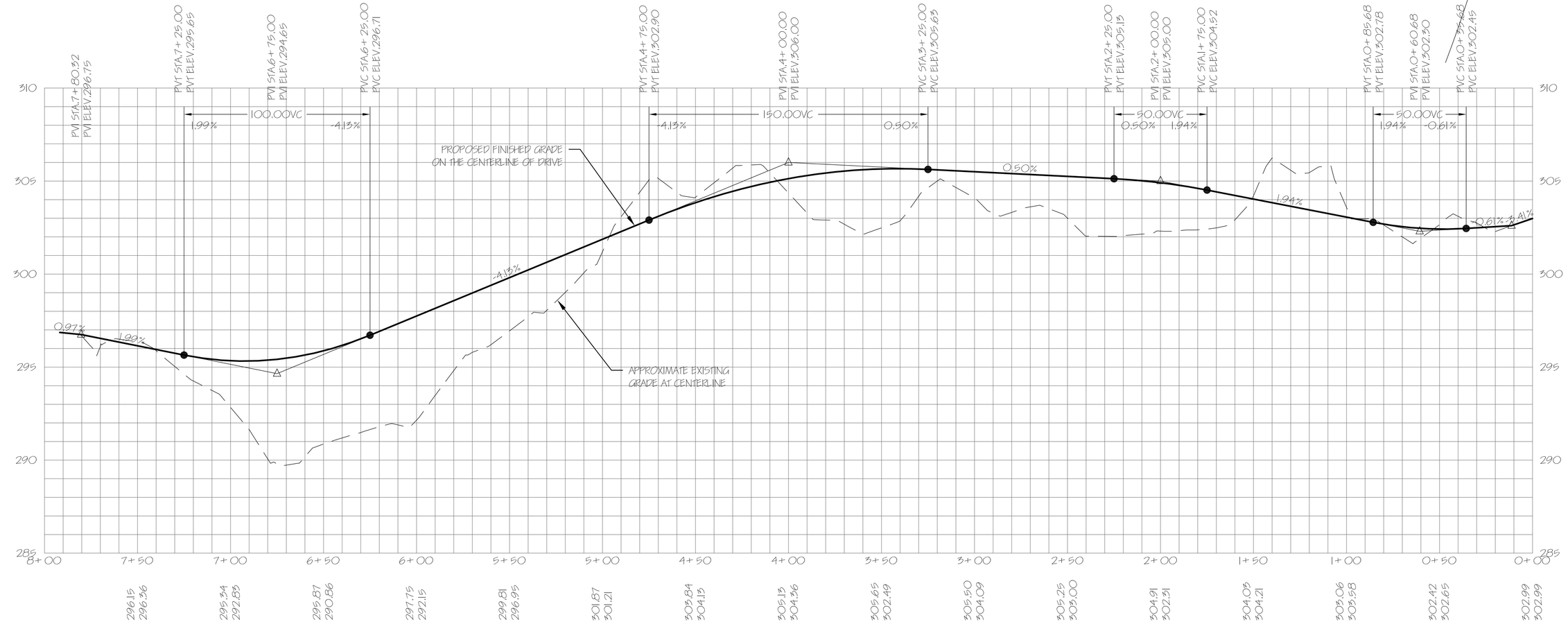
RIDGE DRIVE CENTERLINE ALIGNMENT LAYOUT DATA

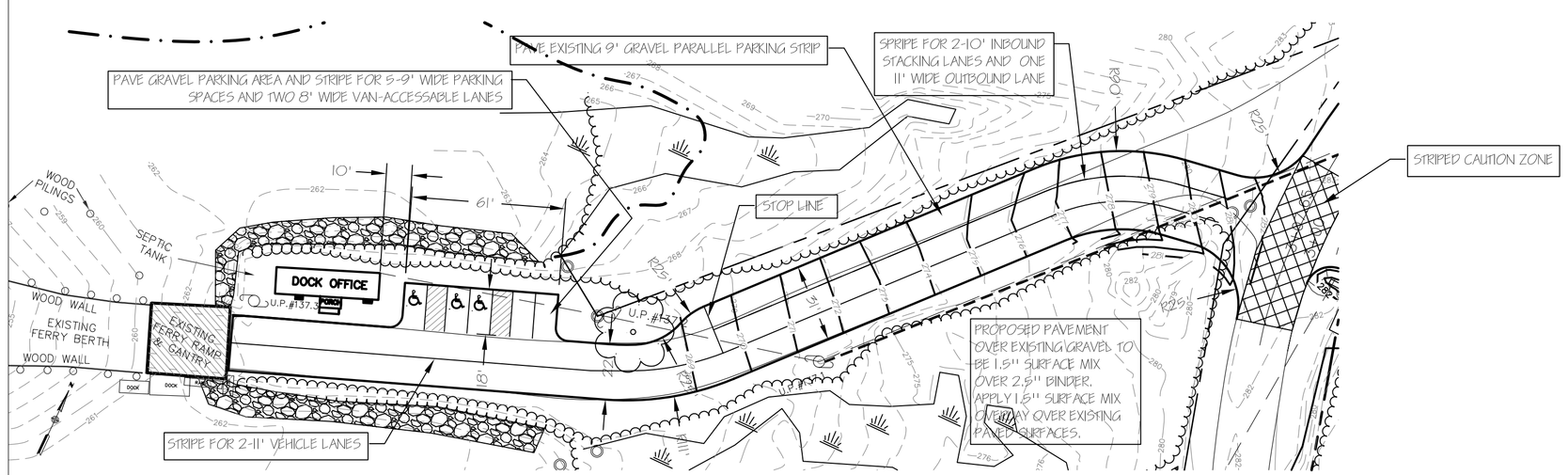
SEGMENT	STATION	EASTING	NORTHING	ID	BEARING	DISTANCE	RADIUS_LENGTH	PI_NORTHING	PI_EASTING	ARC_LENGTH
	0+00.000	12098.466	9359.612							
TANGENT					N 21°55'30 W"	119.158'				
	1+19.158	12053.973	9470.152	PC						
CURVE							100.000'	9514.038	12036.309	88.376'
	2+07.534	11991.175	9528.216	PT &PC						
CURVE							362.500'	9575.606	11840.318	298.211'
	5+05.745	11772.427	9718.415	PT &PC						
CURVE							255.438'	9795.784	11739.547	162.428'
	6+68.174	11667.145	9838.505	PT						
TANGENT					N 59°27'19 W"	123.646'				
	7+91.819	11560.658	9901.343							

RIDGE DRIVE PLAN/ PROFILE

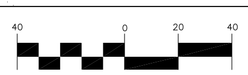








APPROACH DRIVE PLAN



Maintenance and Housekeeping Plan for Stormwater and Erosion Control Elements

	Spring	Fall or Yearly	After a Major Storm Event	Every 2 to 5 years
Silt Fence				
During construction period install and maintain in upright and toed-in condition.		**Weekly**		
Remove accumulated sediments.		**Weekly**		
Remove after construction complete and upgradient areas stable and mature.		**When Construction Complete**		
Buffers				
Inspect all buffers to make sure that wooded buffers have not been cut or the duff layer disturbed and that other buffers have not been cut more than three times or shorter than six inches		X		

NOTES:

1. CLEAR AND GRUB ALL AREAS TO BE DISTURBED, DISPOSING OF TREES, BRUSH, STUMPS AND SCREENINGS IN A LEGAL MANNER. TOPSOIL TO BE RECLAIMED, SCREENED AND USED FOR RESTORING EXISTING DISTURBED AREAS WHERE SHOWN.
2. CONFORM TO THE TOWN OF RAYMOND STREET ORDINANCE FOR PAVEMENT BUILD-UP. SUBBASE TO BE EQUAL TO MDOT 703.06 TYPE D. BASE GRAVEL TO CONFORM TO MDOT 703.06 TYPE A. FILL MATERIALS SHALL BE GRANULAR FROM EXCAVATION ON SITE, COMPACTABLE AND WITH ADJUSTED MOISTURE CONTENT AS APPROPRIATE TO FACILITATE COMPACTION. COMPACT ALL FILL MATERIALS TO 92% OF MODIFIED PROCTOR. CONSULT THE OWNER'S ENGINEER IF SUBSURFACE CONDITIONS ARE WET ENOUGH TO WARRANT THE INSTALLATION OF UNDERDRAINS TO DRAIN SUBBASE GRAVEL COURSES.
3. RIP-RAP FOR CULVERT INLET AND OUTLET PROTECTION SHALL BE BROKEN ANGULAR QUARRY ROCK, WITH THE D50 SIZE CORRESPONDING TO MAINE EROSION AND SEDIMENTATION CONTROL BMP STANDARDS.
4. ALL CONSTRUCTION LAYOUT TO BE PROVIDED BY PERSONS QUALIFIED BY LISCENCE OR EXPERIENCE TO PERFORM LAYOUT PROVIDE CONSTRUCTION CONTROLS TO A HIGH DEGREE OF PRECISION. HORIZONAL ALIGNMENTS TO BE WITHIN 0.15 FEET, VERTICAL ALIGNMENTS TO BE WITHIN 0.04 FEET. CURB STOPS TO BE LAYED OUT OVER THE GRAVEL SURFACE BASED ON A PRECISE LAYOUT BY THE SURVEYOR FROM A CAD FILE PROVIDED BY THE ENGINEER.
5. FILLING OF WETLANDS UNDER THE PROPOSED INTERSECTION OF LANDING DRIVE WITH CAPE ROAD IS LIMITED TO 646 SQUARE FEET AND IS OUTSIDE OF THE 250' SETBACK LIMIT FROM THE HIGH WATER MARK OF SEBAGO LAKE.

Maintenance and Housekeeping Plan for Stormwater and Erosion Control Elements

	Spring	Fall or Yearly	After a Major Storm Event	Every 2 to 5 years
Vegetated Areas				
Inspect all slopes and embankments	X		X	
Replant bare areas or areas with sparce growth	X		X	
Armor areas with rill erosion with an appropriate lining or divert the erosive flows to on-site areas able to withstand concentrated flows.	X		X	
Stormwater Channels				
Inspect ditches, swales, and other open stormwater channels	X	X	X	
Remove any obstructions and accumulated sediment or debris	X	X		
Control vegetated growth and woody vegetatior		X		
Repair any erosion of the ditch lining		X		
Mow vegetated ditches		X		
Remove woody vegetation growing through riprap:		X		
Repair slumping side slopes		X		
Replace riprap where underlying filter fabric or underdrain gravel is showing or where stones haved dislodged.		X		
Culverts				
Remove accumulated sediments and debris at the inlet, at the outlet, and within the conduit.	X	X	X	
Repair any erosion damage at the culvert's inlet and outlet.	X	X	X	
Roadways and Parking Surfaces				
Clear accumulated winter sand in parking lots and along roadways				
Sweep pavement to remove sediment				
Grade road shoulders and remove excess sand either manually or by a front-end loader.				
Grade gravel roads and gravel shoulders	X		X	
Clean-out the sediment within water bars or open-top culverts				
Ensure that stormwater is not impeded by accumulations fo material or false ditches in the shoulder.	X		X	

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

STATE OF MAINE — MARK GRAY #9997 — LICENSED PROFESSIONAL ENGINEER

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207-998-7017 Fax: 207-998-7017

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

PLAN AND PROFILE SHEET

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

SHEET NO. C01

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