STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
COASTAL RESOURCES MANAGEMENT COUNCIL
Oliver Stedman Government Center
4808 Tower Hill Road, Wakefield, RI 02879

PUBLIC NOTICE

File Number: 2009-10-013 Date: November 24, 2009

This office has under consideration the application of:

Delphi Capital, LLC
Craig Missler
P.O. Box 1829
Venice, CA 90294

for a State of Rhode Island Assent to construct and maintain a public roadway to service five separate lots reconfigured from nine lots. Four residential dwellings will be constructed based on the Narrow River SAMP. RICRMC review is limited to the construction of roadway.

Project Location:	Barbers Heights Avenue
City/Town:	North Kingstown
Plat/Lot:	41 / 9 and 12-19
Waterway:	N/A

Plans of the proposed work may be seen at the CRMC office in Wakefield.

In accordance with the Administrative Procedures Act (Chapter 42-35 of the Rhode Island General Laws) you may request a hearing on this matter.

You are advised that if you have good reason to enter protests against the proposed work it is your privilege to do so. It is expected that objectors will review the application and plans thoroughly, visit site of proposed work if necessary, to familiarize themselves with the conditions and cite what law or laws, if any, would in their opinion be violated by the work proposed.

If you desire to protest, you must attend the scheduled hearing and give sworn testimony. A notice of the time and place of such hearing will be furnished you as soon as possible after receipt of your request for hearing. If you desire to request a hearing, to receive consideration, it should be in writing and be received at this office on or before December 24, 2009.

CRMC Assent Submission

Barber's Heights Minor Subdivision

Located on Barber's Heights Avenue
North Kingstown, Rhode Island
Assessor's Plat 41 Lots 9 & 12-19

Sheet Index

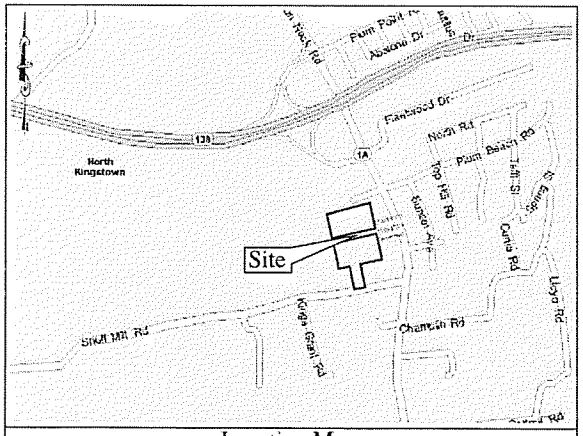
1. Cover Sheet
2. Aerial 1/2 Mile Radius
3. Existing Conditions Plan
4. Grading Plan
5. Plan & Profile
6. Detail Sheet
7. Detail Sheet
8. Detail Sheet

Record Plans

9. Record Plan

Landscape Plans

10. Landscape Plan
11. Landscape Notes and Details



Location Map

Preliminary - Not for Construction

THIS PLAN IS NOT TO BE UTILIZED FOR CONSTRUCTION ACTIVITIES. ONLY PLANS STAMPED "ISSUED FOR CONSTRUCTION" AND SIGNED BY A DIPRETE ENGINEERING REPRESENTATIVE SHALL BE UTILIZED FOR CONSTRUCTION ACTIVITIES.

CERTIFICATIONS:

1. THIS PLAN AND ALL IMPROVEMENTS CONFORM TO ALL STANDARDS OF THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS, BOARDS OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.
2. THIS PLAN IS SUBSTANTIALLY CORRECT IN ACCORDANCE WITH A CLASS IV STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. IT IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND MAY BE SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE.

Preliminary Submission

ERIC M. PRIVE
No. 8692
REGISTERED PROFESSIONAL ENGINEER CIVIL

NO.	DATE	DESCRIPTION	BY

COVER SHEET

Barber's Heights Minor Subdivision

A.P. 41 LOTS 9 & 12-19
NORTH KINGSTOWN, RHODE ISLAND

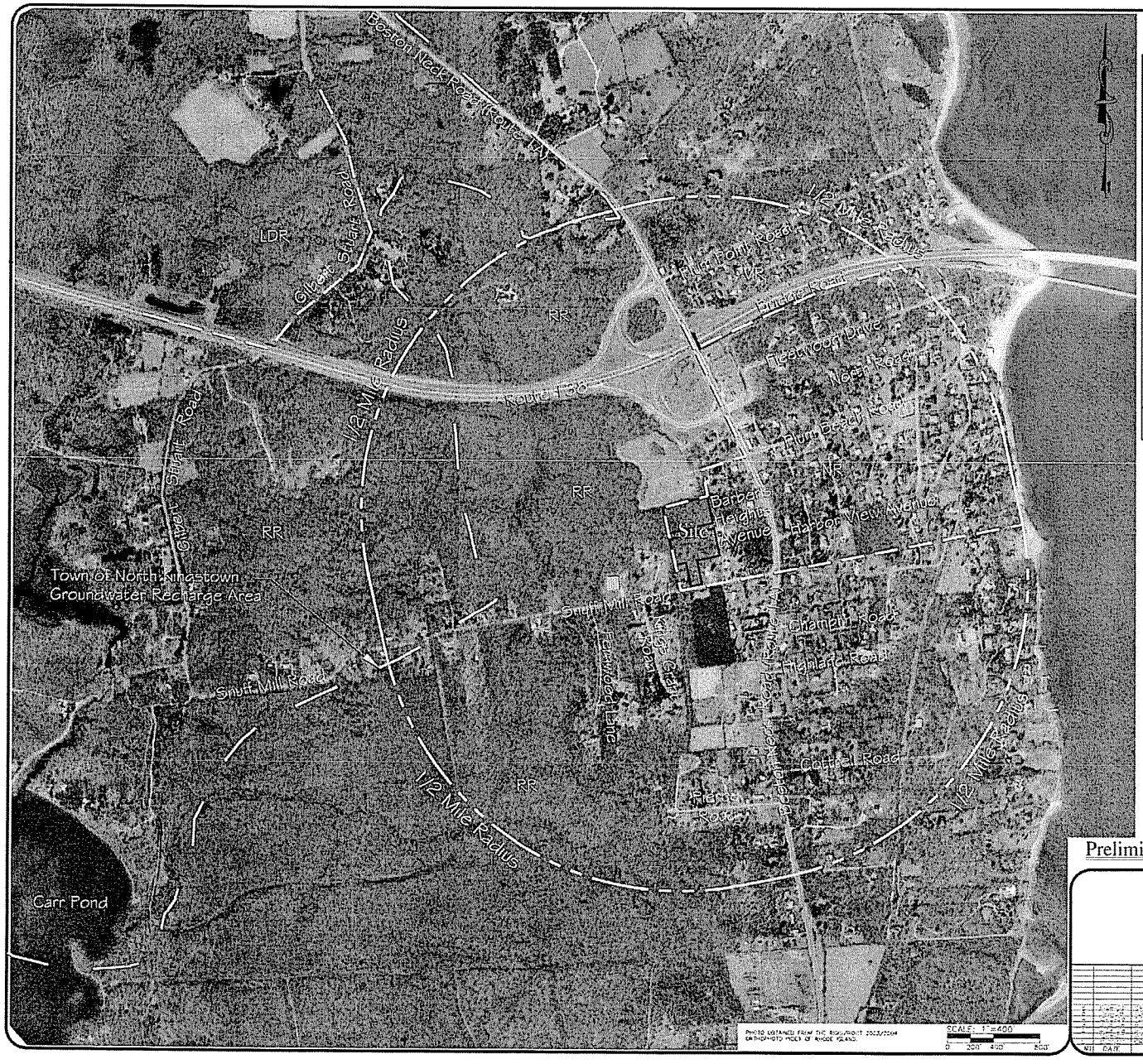
PREPARED BY:
DiPrete Engineering Associates, Inc.
ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
780 STAFFORD COURT
CRANSTON, RI 02920
(401) 943-1050 FAX: (401) 464-9006

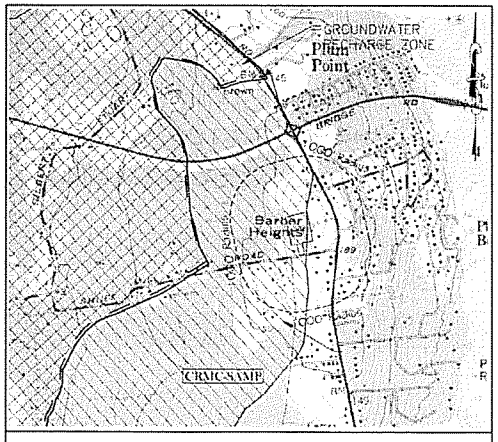
OWNERS:
Delphi Capital, LLC — P.O. BOX 1929, VENICE, CA 90294, (310) 306-5466
Craig Missler — P.O. BOX 1929, VENICE, CA 90294, (310) 306-5466

SEPTEMBER, 2007
DWG. BY: JMD

SHEET 1 OF 11

DEA job no. 0752-003 Copyright 2006 by DiPrete Engineering Associates, Inc.





USGS Location Map Scale 1" = 1000'

Legend

SOIL DIVISION LINE
PROPERTY LINE WITH HATCH
EXISTING PROPERTY LINE
TWO FOOT CONTOUR
TEN FOOT CONTOUR
PROPOSED CONTOUR
EXISTING BUILDING
EXISTING STONE WALL
EXISTING TREELINE
PROPOSED SETBACK LINES
PROPOSED LOT LINES
LIMIT OF DISTURBANCE
LIMIT OF CLEARING
PROPOSED GRAVEL
PROPOSED DOWN SPOUT & ROOF LEADER

CERTIFICATIONS:

1. THIS PLAN AND ALL IMPROVEMENTS CONFORM TO ALL STANDARDS OF THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS, BOARDS OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS
2. THIS PLAN IS CONSTRUCTED CORRECT IN ACCORDANCE WITH A CLASS IV STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. IT IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND MAY BE SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE.

Preliminary - Not for Construction

THIS PLAN IS NOT TO BE UTILIZED FOR CONSTRUCTION ACTIVITIES. ONLY PLANS STAMPED "ISSUED FOR CONSTRUCTION" AND SIGNED BY A DIPRETE ENGINEERING REPRESENTATIVE SHALL BE UTILIZED FOR CONSTRUCTION ACTIVITIES

Preliminary Submission

ERIC M. PRIVE
No. 8662
REGISTERED PROFESSIONAL ENGINEER CIVIL

NO.	DATE	DESCRIPTION	BY

AERIAL 1/2-MILE RADIUS

Barber's Heights Minor Subdivision

A.P. 41 LOTS 9 & 12-14
NORTH KINGSTOWN, RHODE ISLAND

PREPARED BY:
DiPrete Engineering Associates, Inc.
ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
TWO STAFFORD COURT
CRANSTON, RI 02920
(401) 942-1000 FAX (401) 464-6006

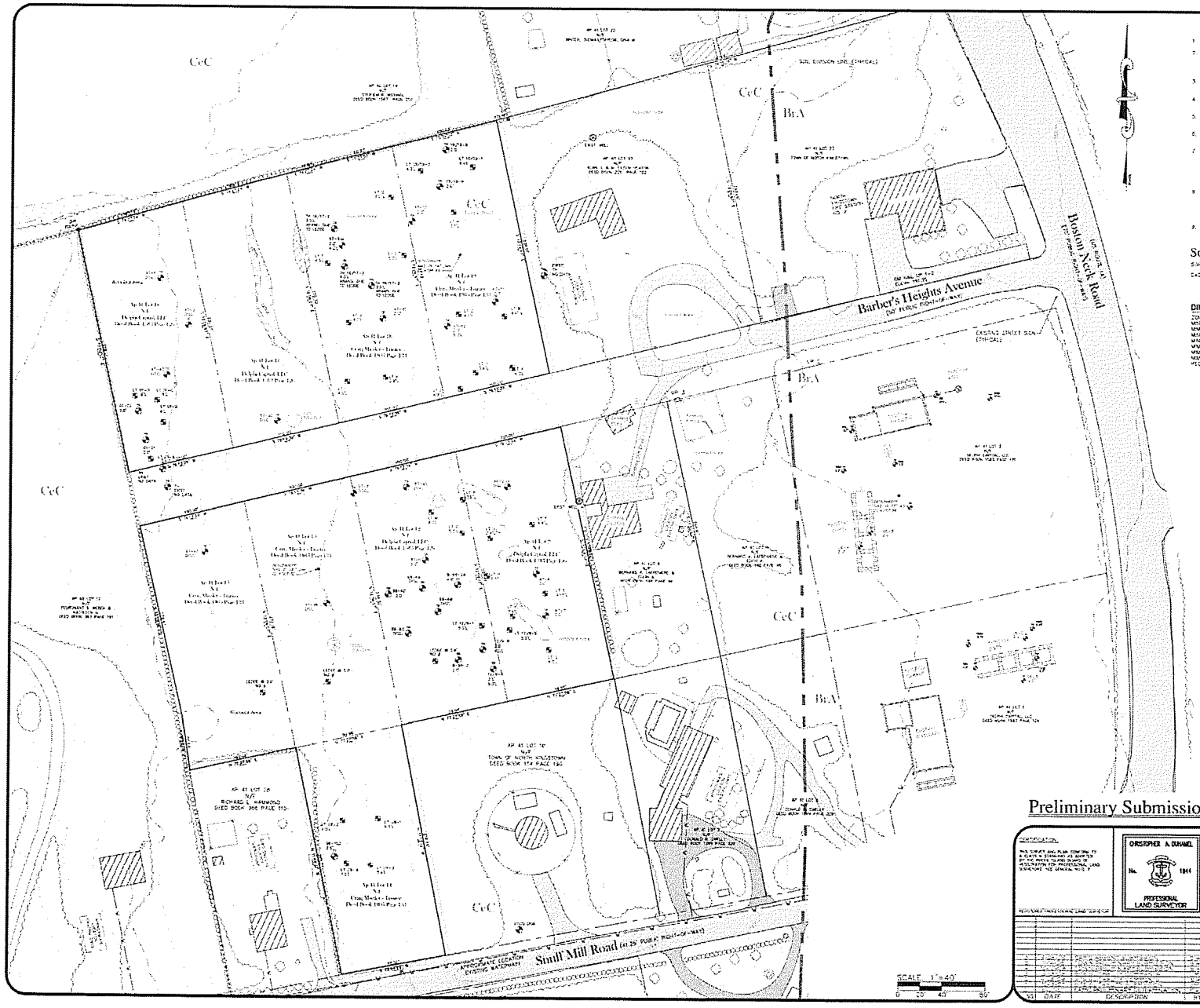
OWNERS
Delphi Capital, LLC
P.O. BOX 1823
VENICE, CA 90294
(310) 306-5466

Craig Missler
P.O. BOX 1823
VENICE, CA 90294
(310) 306-5466

SEPTEMBER, 2007
DWG. NO. 3410

SHEET 2 OF 11

DEA Job No. 6752-003 Copyright 2006 by DiPrete Engineering Associates, Inc.



General Notes

1. SITE IS LOCATED ON ASSESSOR'S PLAT 41 LOTS 9 & 12-19.
2. THE OWNERS OF THE SITE ARE: CRAIG P. MISSLER (TRUSTEE) AND DELPHI CAPITAL, LLC P.O. BOX 1829, VENICE, CA 90294
3. THE SITE IS APPROXIMATELY 4.789 ACRES AND IS ZONED NR (NEIGHBORHOOD RESIDENTIAL)
4. THERE ARE NO WETLANDS PRESENT ON SITE. REVIEWED BY THE RHODE ISLAND DEMP UNDER FILE NO.: 2007-10-006
5. ACTUAL PHOTOGRAMMETRY PERFORMED BY TECHMAP, INC., 13 INDUSTRIAL DRIVE, SAYBROOK, AP 06357, VERTICAL DATUM: S.N.G.V.D. 29
6. THERE IS NO 100 YEAR FLOOD PLAIN LOCATED ON SITE. REFERENCE FEMA FLOOD INSURANCE RATE MAP 440404-0101C MAP REVISED JUNE 16, 1992
7. THE PRELIMINARY BOUNDARY LINE AS SHOWN ON THIS PLAN DEPICTS A CLASS I SURVEY AS PERFORMED BY DIPRETE ENGINEERING. THE PLAN ITSELF CONFORMS ONLY TO A CLASS III STANDARD AS ADOPTED BY RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. THIS PLAN IS NOT TO BE CONSTRUED AS A CLASS I BOUNDARY PLAN AND IS NOT SUITABLE FOR RECORDING AS A CLASS I STANDARD.
8. THE SITE IS LOCATED WITHIN THE HISTORIC CRANDIC NARROW RIVER SPECIAL AREA MANAGEMENT PLAN. THE SITE IS NOT LOCATED WITHIN THE FEMA FLOOD PLAIN AREA, GROUND WATER RECHARGE ZONE, TYPE 2 - CRITICAL PORTION OF THE RECHARGE AREAS TO THE GROUNDWATER RESERVOIR, A NATURAL HERITAGE AREA, COASTAL CORRIDOR, GROUNDWATER RESERVOIRS, OR WELLHEAD PROTECTION AREA
9. AREA SERVICED BY PRIVATE WELL, GAS, AND OVERHEAD UTILITIES

Soil Information

SYM.	DESCRIPTION	AREA
CeC	CANTON AND CHARLTON FINE SANDY LOAMS, VERY ROCKY, 8 TO 15 PERCENT SLOPES	5.24 ACRE

DIMENSIONAL REGULATIONS – CONSERVATION

ZONING: NR (NEIGHBORHOOD RESIDENTIAL)

MINIMUM LOT AREA	10,000 S.F.
MINIMUM FRONTAGE	80 FT
MINIMUM FRONT YARD SETBACK	25 FT
MINIMUM SIDE YARD SETBACK	10 FT
MINIMUM REAR YARD SETBACK	35 FT
MINIMUM WIDTH	100 FT
MAXIMUM DEPTH	200 FT
REQUIRED OPEN SPACE	50% OF SITE

CERTIFICATIONS:

1. THIS PLAN AND ALL IMPROVEMENTS CONFORM TO ALL STANDARDS OF THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS, BOARDS OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS
2. THIS PLAN IS SUBSTANTIALLY CORRECT IN ACCORDANCE WITH A CLASS III STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. IT IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND MAY BE SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE.

Preliminary - Not for Construction

THIS PLAN IS NOT TO BE UTILIZED FOR CONSTRUCTION ACTIVITIES. ONLY PLANS STAMPED "ISSUED FOR CONSTRUCTION" AND SIGNED BY A DIPRETE ENGINEERING REPRESENTATIVE SHALL BE UTILIZED FOR CONSTRUCTION ACTIVITIES.

Preliminary Submission

CERTIFICATION:

THIS SURVEY AND PLAN CONFORM TO A CLASS III STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. SEE GENERAL NOTE 7

REGISTERED PROFESSIONAL LAND SURVEYOR

CHRISTOPHER A. DURANEL No. 1911 PROFESSIONAL LAND SURVEYOR

NO.	DATE	DESCRIPTION	BY

EXISTING CONDITIONS

Barber's Heights Minor Subdivision

A.P. 41 LOTS 9 & 12-19

NORTH KINGSTOWN, RHODE ISLAND

PREPARED BY
DiPrete Engineering Associates, Inc.
ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
TWO STAFFORD COURT
CRANSTON, RI 02920
(401) 943-1020 FAX: (401) 464-6200

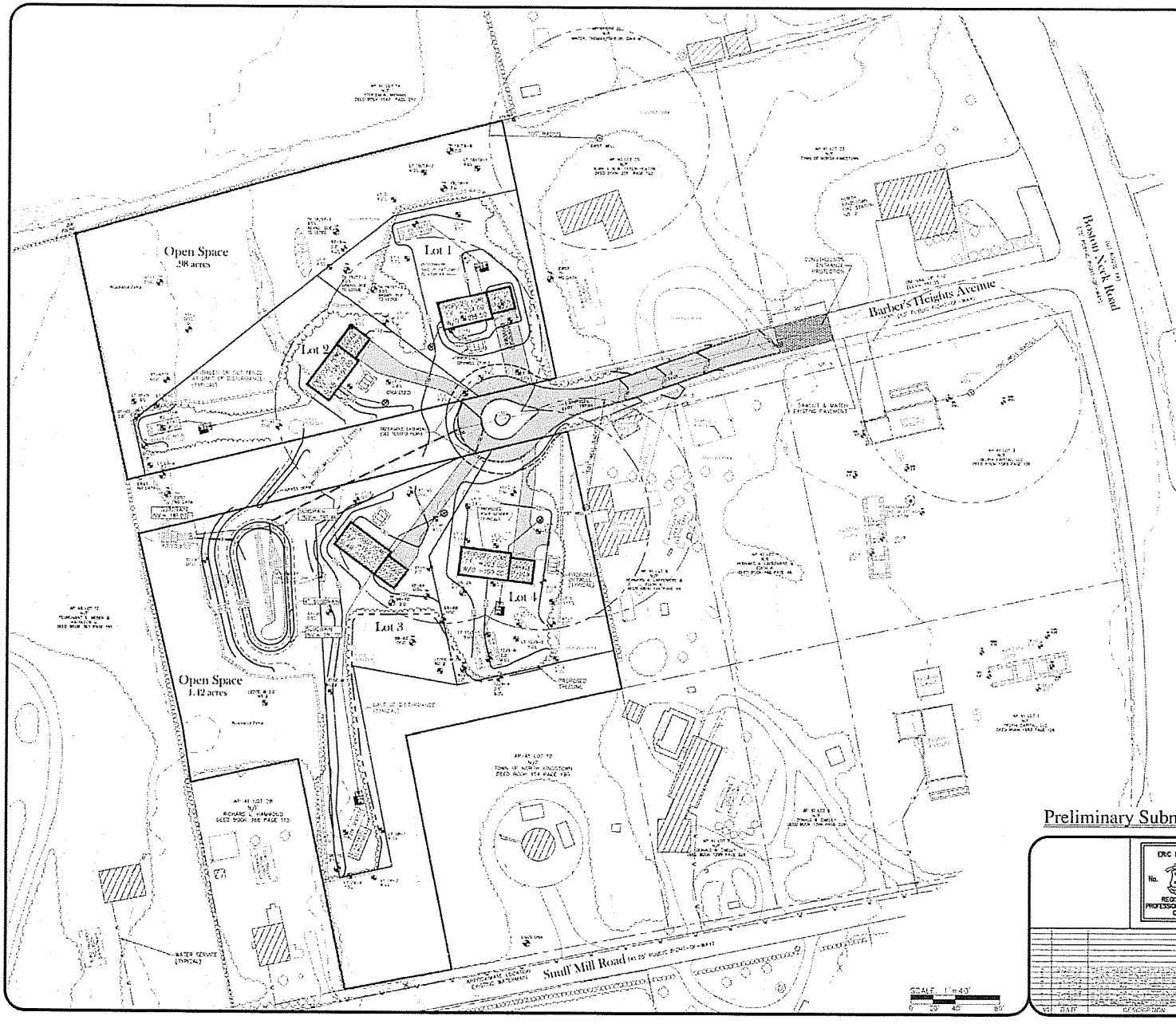
OWNERS
Delphi Capital, LLC
P.O. BOX 1829
VENICE, CA 90294
(310) 306-5486

Craig Missler
P.O. BOX 1829
VENICE, CA 90294
(310) 306-5486

SEPTEMBER, 2007
DATE: 01 JUN 07

SHEET 3 OF 11

DEA Job No. 0701-003 Copyright 2006 by DiPrete Engineering Associates, Inc.



General Notes

1. THE DRAINAGE SYSTEM IS DESIGNED TO MEET THE TOWN OF NORTH KINGSTOWN SUBDIVISION REGULATIONS. PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO THE USE OF DRYWELLS, DRIVEWAY CULVERTS, OFF DRAINAGE DETENTION BASIN. THE BASIN IS BE SIZED TO PROVIDE WATER QUALITY FOR THE PROPOSED ROAD IMPROVEMENT. THE STORMWATER MANAGEMENT SYSTEM IS DESIGNED TO MEET THE BEST MANAGEMENT PRACTICES OF THE RIDEM.
2. THE SITE IS PROPOSED TO BE BUILT UTILIZING AN EXISTING PUBLIC RIGHT OF WAY. THE ROADWAY EXTENSION IS PROPOSED TO BE 21' WIDE TRAVEL LANES WITH 1' SAFE ECO SHOULDERS. ABOVE GROUND UTILITIES ARE PROPOSED THROUGHOUT THE SITE.
3. THE SITE WILL BE SERVICED BY PRIVATE WELLS AND OWTS. OWTS TO INCORPORATE RIDEM'S INNOVATIVE AND ALTERNATIVE TECHNOLOGY WITH DENITRIFICATION SYSTEMS.
4. THE SITE IS PROPOSED TO BE BUILT IN 1 PHASE.
5. THIS SITE WAS REVIEWED BY THE RIDEM UNDER PRELIMINARY DETERMINATION # 2007-10-026.

DIMENSIONAL REGULATIONS – CONSERVATION

ZONING: RR (NEIGHBORHOOD RESIDENTIAL)	
MINIMUM LOT AREA	10,000 S.F.
MINIMUM FRONTAGE	25 FT
MINIMUM FRONT YARD SETBACK	25 FT
MINIMUM LOT YARD SETBACK	15 FT
MINIMUM REAR YARD SETBACK	30 FT
MINIMUM WIDTH	180 FT
MINIMUM DEPTH	200 FT
REQUIRED OPEN SPACE	50% OF SITE

DEVELOPMENT DATA

GROSS AREA OF PARCEL	4.79	ACRES
NUMBER OF DEVELOPABLE LOTS	4	LOTS
AVERAGE LOT AREA	0.54	ACRES
DEVELOPABLE LOT AREA	2.37	ACRES (49.5% OF SITE)
TOTAL AREA OF OPEN SPACE	2.42	ACRES (50.5% OF SITE)
AREA OF DEVELOPABLE EASEMENTS	0.07	ACRES

Open Space Calculations

NET AREA LAND AREA X 50% = MINIMUM REQUIRED OPEN SPACE

4.79 ACRES X 50% = 2.39 ACRES 50% REQUIRED (2.42 PROVIDED)

RIDEM Site Suitability Notes

1. THERE ARE NO KNOWN EXISTING OR PROPOSED PRIVATE WELLS WITHIN 200 FT. OF THE PROPOSED DEVELOPMENT EXCEPT WHERE SHOWN.
2. THERE ARE NO KNOWN EXISTING OR PROPOSED OWTS'S WITHIN 200 FT. OF THE DEVELOPMENT EXCEPT WHERE SHOWN.
3. THERE ARE NO KNOWN PUBLIC WELLS WITHIN 500 FT. OF THE PROPOSED DEVELOPMENT.
4. THERE ARE NO KNOWN EXISTING OR PROPOSED WELLS WITHIN 200 FT. OF A PROPOSED OWTS EXCEPT WHERE SHOWN.
5. RESIDENTIAL HOMES ARE TO BE SERVICED BY PRIVATE WELLS AND OWTS.

General Construction Notes

1. THE CONTRACTOR IS TO NOTIFY DIG SAFE PRIOR TO THE START OF CONSTRUCTION.
2. THE CONTRACTOR IS TO SUBMIT A CONSTRUCTION TRAFFIC SAFETY PLAN TO THE DIRECTOR OF PUBLIC WORKS PRIOR TO THE START OF CONSTRUCTION. APPROVAL OF SUCH PLAN IS REQUIRED.
3. NO STOCKPILING OF MATERIAL IS TO BE ALLOWED WITHIN A PUBLIC R.O.W. NO OPEN TRENCHES ARE TO BE LEFT OVERNIGHT.
4. ALL LOAM IN DISTURBED AREAS TO BE STOCKPILED FOR FUTURE USE.
5. CONTRACTOR TO OBTAIN ALL FEDERAL, STATE, AND MUNICIPAL APPROVALS PRIOR TO THE START OF CONSTRUCTION.
6. THE CONTRACTOR IS TO NOTIFY THE DIRECTOR OF PUBLIC WORKS, D.O. TOWN ENGINEER, DIV. ENGR. AND R.I. DEPT. OF ENVIRONMENTAL MANAGEMENT AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
7. ALL WORK PERFORMED HEREIN SHALL BE CONSTRUCTED IN THE RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND TOWN OF NORTH KINGSTOWN STANDARD SPECIFICATIONS AND DETAILS.
8. ALL STUMPS, TREES, ROCKS, BOULDERS AND OTHER REFUSE SHALL BE DISCARDED OFF SITE IN AN ACCEPTABLE MANNER AT AN APPROVED LOCATION.
9. ALL EXISTING UTILITIES SHOWN ARE FROM VISIBLE INFORMATION. DRAINAGE BY OTHERS. ON INFORMATION PROVIDED TO US AND SUBJECT TO CHANGE. NO ONE SHOULD RELY ON THE UTILITY LOCATIONS SHOWN FOR CONSTRUCTION AND DIG SAFE SHOULD BE NOTIFIED PRIOR TO ANY WORK.

CERTIFICATIONS:

1. THIS PLAN AND ALL IMPROVEMENTS CONFORM TO ALL STANDARDS OF THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS, BOARDS OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.
2. THIS PLAN IS SUBSTANTIALLY CORRECT IN ACCORDANCE WITH A CLASS III STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. IT IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND MAY BE SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE.

Preliminary - Not for Construction

THIS PLAN IS NOT TO BE UTILIZED FOR CONSTRUCTION ACTIVITIES. ONLY PLANS STAMPED "ISSUED FOR CONSTRUCTION" AND SIGNED BY A DIPRETE ENGINEERING REPRESENTATIVE SHALL BE UTILIZED FOR CONSTRUCTION ACTIVITIES.

Preliminary Submission

ERIC M. PRIVE
No. 8662
REGISTERED PROFESSIONAL ENGINEER
CIVIL

NO.	DATE	DESCRIPTION	BY

GRADING PLAN

Barber's Heights Minor Subdivision

A.P. 41 LOTS 9 & 12-15
NORTH KINGSTOWN, RHODE ISLAND

PREPARED BY
DiPrete Engineering Associates, Inc.
ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
TWO STAFFORD COURT
CRANSTON, RI 02920
(401) 943-1000 FAX: (401) 464-6096

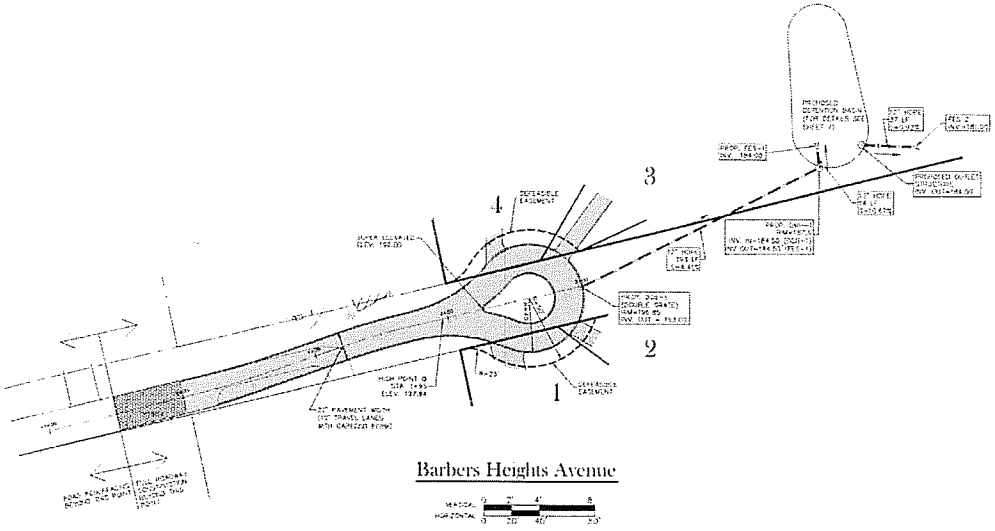
OWNERS
Delphi Capital, LLC
P.O. BOX 1829
VENICE, CA 90294
(310) 306-5466

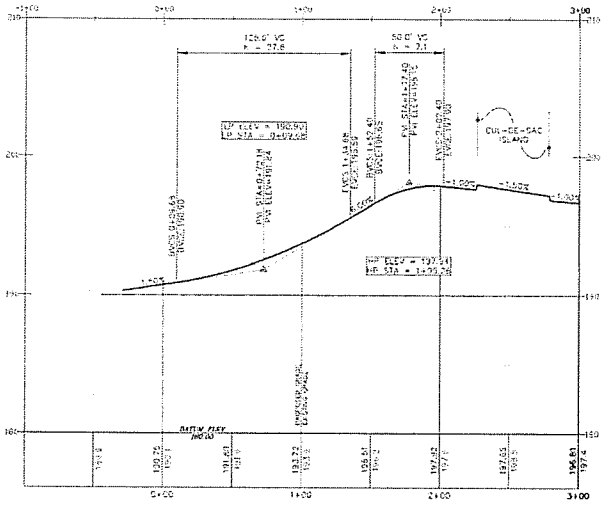
Craig Missler
P.O. BOX 1829
VENICE, CA 90294
(310) 306-5466

SEPTEMBER, 2007
DATE: 23 JULY

SHEET 4 OF 13

DEA Job No. 0701-003 Copyright 2006 by DiPrete Engineering Associates, Inc.





CERTIFICATIONS:

1. THIS PLAN AND ALL IMPROVEMENTS CONFORM TO ALL STANDARDS OF THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS, BOARDS OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.
2. THIS PLAN IS SUBSTANTIALLY CORRECT IN ACCORDANCE WITH A CLASS IV STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. IT IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND MAY BE SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE.

Preliminary - Not for Construction

THIS PLAN IS NOT TO BE UTILIZED FOR CONSTRUCTION ACTIVITIES. ONLY PLANS STAMPED "ISSUED FOR CONSTRUCTION" AND SIGNED BY A DIPRETE ENGINEERING REPRESENTATIVE SHALL BE UTILIZED FOR CONSTRUCTION ACTIVITIES.

Preliminary Submission

ERIC M. PRIVE
No. 8662
REGISTERED PROFESSIONAL ENGINEER CIVIL

PLAN & PROFILE

Barber's Heights Minor Subdivision

A.K.A. ST. LOUIS & RT. 12 - PLAT 27
NORTH KINGSTOWN, RHODE ISLAND

PREPARED BY
DiPrete Engineering Associates, Inc.
ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
TWO STAFFORD COURT
CRANSTON, RI 02920
(401) 943-1000 FAX (401) 464-6096

OWNERS
Delphi Capital, LLC
P.O. BOX 1829
VENICE, CA 90294
(310) 306-5466

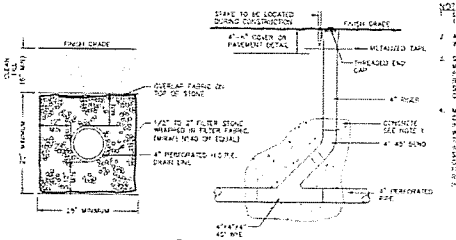
Craig Missler
P.O. BOX 1829
VENICE, CA 90294
(310) 306-5466

DECEMBER, 2006
DATE RI. LMD

SHEET 5 OF 11

NO	DATE	DESCRIPTION	BY

DEA Job No. 0784-003 Copyright 2006 by DiPrete Engineering Associates, Inc.



NOTES:
1. GROUTED IN CONCRETE WHEN INVERT IS 12" OR MORE BELOW FINISH GRADE.
2. AT TERMINAL CLEANOUT REPLACE WY WITH 45 BEND.
3. SUBDRAIN AREA TO BE STAKED, MARKED, AND REMAIN UNDISTURBED PRIOR TO CONSTRUCTION. THERE IS TO BE NO CONSTRUCTION TRAFFIC ON SUBDRAIN AREA PRIOR TO CONSTRUCTION.
4. MONITORING WATER LEVELS WITHIN THE CLEAN-OUTS AT VARIOUS DAY INTERVALS AFTER A RAINFALL EVENT WILL INDICATE THE EFFECTIVENESS OF THE SYSTEM. IF WATER IS STANDING IN SUBDRAIN TO HOURS AFTER A STORM EVENT, SYSTEM FAILURE HAS OCCURRED AND WILL REQUIRE FLUSHING MAINTENANCE, REPAIR OR REPLACEMENT OF SUBDRAIN BY THE HOMEOWNERS ASSOCIATION.

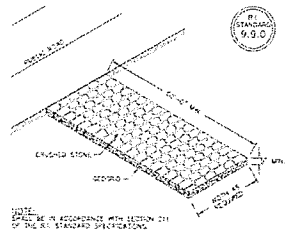
4" SUBDRAIN CLEANOUT AND TRENCH (TYPICAL)

NOT TO SCALE

1. SUBDRAIN AREA IS TO BE STAKED, MARKED, AND IS TO REMAIN UNDISTURBED PRIOR TO CONSTRUCTION. NO CONSTRUCTION TRAFFIC IS TO BE ON SUBDRAIN AREA PRIOR TO CONSTRUCTION IS ALLOWED.
2. SEE CONSTRUCTION SEQUENCE OUTLINED IN SUBDRAIN TRENCH DETAIL.
3. CONTRACTOR SHALL INSPECT SUBDRAIN AT THE DISCHARGE POINT DURING EARLIEST DRY PERIOD FOLLOWING INSTALLATION TO ENSURE FLOW.
4. IF EXCESSIVE FLOW INDICATES THAT DETENTION BASIN AND SUBDRAINS ARE NOT INSTALLED AS SHOWN ON THE CONSTRUCTION PLANS AND DETAILS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECONSTRUCTING SUBDRAINS ACCORDING TO DESIGN PLANS.
5. OWNER SHALL MONITOR THE WATER LEVELS WITHIN THE CLEAN-OUTS AT VARIOUS DAY INTERVALS AFTER MAJOR RAINFALL EVENTS. THIS WILL INDICATE THE EFFECTIVENESS OF THE SYSTEM. IF WATER IS STANDING IN THE SUBDRAIN AFTER A STORM EVENT, SYSTEM FAILURE HAS OCCURRED AND WILL REQUIRE FLUSHING MAINTENANCE, REPAIR OR REPLACEMENT OF SUBDRAIN BY OWNER.
6. THE DETENTION BASIN SHOULD DRAIN AS DESIGNED. STANDING WATER SHOULD NOT BE PRESENT IN THE BASIN 72 HOURS AFTER A RAINFALL EVENT. IF STANDING WATER DOES NOT DRAIN WITHIN 72 HOURS, THE BASIN SHALL BE CONSIDERED DEFICIENT AND SHALL BE REPAIRED IMMEDIATELY BY THE OWNER.
7. THE INSTALLATION OF THE SUBDRAIN BENEATH THE DETENTION BASIN IS TO BE REVIEWED IN THE PROPERTY DEEDED.
8. FOR OPEN AND / OR THE CONSTRUCTION SPRING TIME, SEASONAL RAINS SO AS TO AVOID DAMAGING THE SUBDRAIN, HEAVY EQUIPMENT SHALL NOT OPERATE DIRECTLY OVER THE SUBDRAIN PIPE. MORE SPECIFICALLY, THERE SHALL NOT PLACE EQUIPMENT STANDING OVER THE SUB DRAIN PIPE. THE LOCATION OF THE SUBDRAIN SHALL BE REVIEWED AND LOCATED PRIOR TO COMMENCEMENT OF CONSTRUCTION OR REPAIRS WITHIN THE DETENTION BASIN.

SUBDRAIN INSTALLATION, INSPECTION & MAINTENANCE NOTE

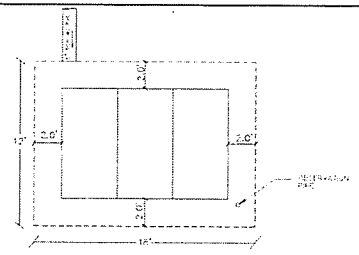
NOT TO SCALE



NOTE:
SHALL BE IN ACCORDANCE WITH SECTION 211 OF THE R.I. STANDARD SPECIFICATIONS.

CONSTRUCTION ACCESS

NOT TO SCALE



3 FLOW DIFFUSERS WITH 2.0' STONE ON OUTSIDE, 1.5' BELOW

DRYWELL DETAIL (PLAN)

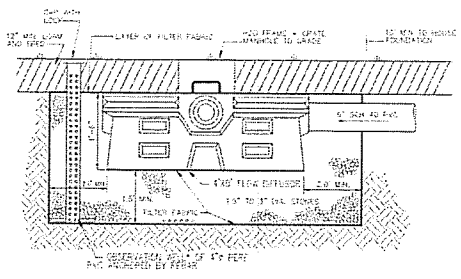
(SCALE 1" = 4')

Lot #	Elevation				Separation Distance (ft.)
	Prop. Ground	Top of Drywell Facility	Bottom of Drywell Facility (in 12" stone)	Seasonal High GWT	
1	[illegible]	[illegible]	[illegible]	[illegible]	1.5
2	[illegible]	[illegible]	[illegible]	[illegible]	1.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.4

DRYWELL DETAIL (TABLE)

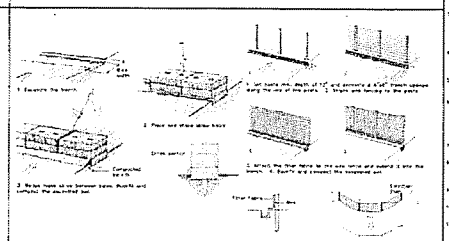
N.T.S.

MONITORING OF DRYWELLS FOR OPERATION & MAINTENANCE
MONITORING WATER LEVELS WITHIN THE CLEAN-OUTS AT VARIOUS DAY INTERVALS AFTER A RAINFALL EVENT WILL INDICATE THE INFILTRATION ABILITY AND PERFORMANCE OF THE SYSTEM. IF WATER IS STANDING IN THE SYSTEM MORE THAN 72 HOURS AFTER A STORM EVENT, SYSTEM FAILURE HAS OCCURRED AND WILL REQUIRE REPAIRS OR REPLACEMENT OF DRYWELL BY THE HOMEOWNER.



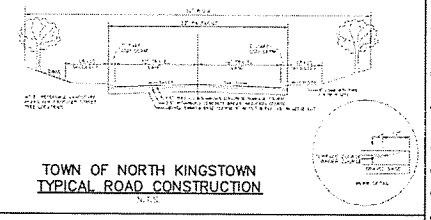
DRYWELL DETAIL (PROFILE)

N.T.S.



EROSION CONTROL

N.T.S.



TOWN OF NORTH KINGSTOWN TYPICAL ROAD CONSTRUCTION

N.T.S.

SEQUENCE AND STAGING OF LAND DISTURBING ACTIVITIES

1. SURVEY AND STAKE EXTENTS OF THE PROPOSED ROAD, SEDIMENT BASIN AND LIMIT OF DETENTION BASINS.
2. PLACE SEDIMENTATION BARRIERS (HAYBALES OR SILT FENCE) AS SHOWN ON THE PLANS AND EXTEND UPSLOPE ALONG THE FENCE, AS NEEDED TO THE LIMITS OF CLEARING AS SHOWN ON THE CONSTRUCTION BARRIERS.
3. BEGIN EROSION AND SEDIMENTATION CONTROL MEASURES, DEMOLITION AND CLEARING. STRIP TOPSOIL AND STOCKPILE TOPSOIL IN APPROVED AREAS. THE STOCKPILES SHALL BE STABILIZED WITH TEMPORARY SEEDING AND MULCHING. THE STOCKPILE LOCATION IS TO BE SHOWN ON THE SEDIMENTATION CONTROL PLAN AND DETAILED ON THE PROPOSED PLAN.
4. INSTALL UTILITIES. IMMEDIATELY PLACE PIPE ONE LINE AT THE DISCHARGE POINTS AND BEGIN STABILIZATION AND EROSION CONTROL AREAS.
5. BEGIN ROAD CONSTRUCTION.
6. BEGIN LAYOUT OF HOUSES AND TRACKS ALONG WITH 7.
7. BEGIN LANDSCAPING WHILE HOMES ARE UNDER CONSTRUCTION.
8. FINISH HOMES, ROAD AND DRAINAGE CONSTRUCTION.
9. FINISH LANDSCAPING AND PERMANENT STABILIZATION.
10. REPAIR DRAINAGE OUTLETS AND BASIN AS NECESSARY. TREE LINES, SLOPES, BALLFIELD, ETC. SHALL BE REPAIRED FROM THE BOTTOM OF THE RAIN, AND STABILIZATION OF THE SLOPES AND TEMPORARY SOIL EROSION ENHANCEMENT OF ALL DISTURBED AREAS.
11. CONTRACTOR TO COORDINATE SPRING TIME OR DRY WEATHER OF ALL NECESSARY MAINTENANCE.
12. PRIOR TO COMMENCING PERIODICS OF CONSTRUCTION, THE ASSIGNED LIMITS OF CLEARING SHALL BE SURVEYED AND FLAGGED TO LIMIT TREE CLEARING.

NONSTRUCTURAL MEASURES

1. CONSTRUCTION TRAFFIC SHALL BE LIMITED TO ACCESS ROAD, DRAINAGE EASEMENTS AND AREAS TO BE GRADED.
2. A TEMPORARY STABILIZATION PAD IS LOCATED AT THE SITE ENTRANCE TO REDUCE THE TRANSFERRING OF SEDIMENT INTO THE PUBLIC RIGHT OF WAY.
3. THE ENTRANCE WAY TO MINIMIZE TO THE CONSTRUCTION THE MAINTENANCE WORK. INCLUDE REPLACEMENT WITH ADDITIONAL STONE OR REPAIRING ANY DAMAGED PAVEMENT. THE STREETS SHALL BE KEPT CLEAN AND ALL SEDIMENTS SPILLED, DROPPED, WASHED OR TRACKED ONTO THE PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
4. STOCKS SHALL BE REMOVED FROM AREAS TO BE GRADED AND REPAIRED. FOR EROSION CONTROL, STOCKPILE LOCATIONS ARE SHOWN ON THE PLAN AND AT THE DISCRETIONARY OF THE SEDIMENT EXPERT SHALL BE APPROVED ALL OF WHICH SHALL BE STABILIZED.
5. REPAIRED OR REPLACEMENT SHALL BE INSTALLED CONSTRUCTION DEFICIENCIES OR LIMITS OF ANY PROPERTY CONSTRUCTION AS SHOWN ON THE CONSTRUCTION PLANS AND PRIOR TO THE COMMENCEMENT OF THE PROPOSED ACTIVITIES.
6. INSPECTION SHALL BE MAINTAINED BY THE CONTRACTOR. INSPECTION DUTIES INCLUDE REPAIRING ANY DAMAGED PAVEMENT, REPAIRING ANY DAMAGED BUFFER OR CONSTRUCTION, REPAIRING ANY DAMAGED SEDIMENT CONTROL MEASURES, REMOVING SEDIMENTS DEPOSITED ONTO PUBLIC RIGHT OF WAY. THE CONTRACTOR SHALL CLEAN THE AFFECTED AREA IMMEDIATELY OF ALL SEDIMENT DEPOSITED ON PUBLIC RIGHT OF WAY. SEDIMENTS MUST BE REMOVED FROM STORM DRAINS WITHIN 24 HOURS OF DISCOVERY.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIR OF EROSION CONTROL MEASURES. THE CONTRACTOR SHALL REPAIR ANY DAMAGED SEDIMENT CONTROL MEASURES WITHIN 24 HOURS OF DISCOVERY.
8. THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL MEASURES TO PREVENT DUST FROM LEAVING THE SITE. THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL MEASURES TO PREVENT DUST FROM LEAVING THE SITE.
9. THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL MEASURES TO PREVENT DUST FROM LEAVING THE SITE.
10. THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL MEASURES TO PREVENT DUST FROM LEAVING THE SITE.
11. THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL MEASURES TO PREVENT DUST FROM LEAVING THE SITE.
12. THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL MEASURES TO PREVENT DUST FROM LEAVING THE SITE.
13. THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL MEASURES TO PREVENT DUST FROM LEAVING THE SITE.
14. THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL MEASURES TO PREVENT DUST FROM LEAVING THE SITE.
15. THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL MEASURES TO PREVENT DUST FROM LEAVING THE SITE.
16. THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL MEASURES TO PREVENT DUST FROM LEAVING THE SITE.
17. THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL MEASURES TO PREVENT DUST FROM LEAVING THE SITE.
18. THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL MEASURES TO PREVENT DUST FROM LEAVING THE SITE.
19. THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL MEASURES TO PREVENT DUST FROM LEAVING THE SITE.

ESTABLISHMENT OF VEGETATIVE COVER

1. SURFACE SHALL NOT BE LEFT UNNATURALLY SMOOTH FOR EASY MOWING. PROVIDE FOR THE SLOPE AT THE MAXIMUM ANGLE POSSIBLE.
2. ALL EXCESSIVELY SLOPED AREAS HEAVILY ERODED OR SEVERELY EXPOSED SHALL BE SEEDED OR REPLANTED.
3. THE TOPSOIL USED MUST BE A MINIMUM DEPTH OF 4 INCHES AND FREE OF TOPSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR OTHER OBJECTS THAT WOULD INTERFERE WITH MAINTENANCE. THE TOPSOIL SHALL COMPLY WITH RHODE ISLAND STANDARD SPECIFICATION M.02.
4. THE GENERAL SEEDING MIXTURE FOR LOW MAINTENANCE AREAS SHALL BE COMPRISED OF THE FOLLOWING:

	% BY WEIGHT
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

5. [illegible] SHALL BE APPLIED AT A RATE OF [illegible] LBS. PER [illegible] SQUARE FEET. [illegible] SHALL BE APPLIED AT A RATE OF [illegible] LBS. PER [illegible] SQUARE FEET.
6. TEMPORARY SEDIMENTATION BARRIERS SHALL CONSIST OF HAY BALES OR FENCE BELOW OR PROTECTIVE STONES, SHOWN ON PLANS, OR A SHORT LENGTH. SEE SLOPES OF POINTS SHALL BE TREATED WITH NORTH AMERICAN GREEN STEEP EROSION CONTROL BLANKETS. THEY SHALL BE INCORPORATED INTO THE WORK AS INSTALLED, OR AS DIRECTED BY THE ENGINEER. THEY ON STRAW SHALL BE ON THE BREAKS OF 2 FEET/FOOT.
7. ALL TEMPORARY OR PERMANENT PROTECTION SHALL REMAIN IN PLACE UNTIL AND ACCEPTANCE STAND OF FINISH ON APPROVED GROUND COVER IS ESTABLISHED.
8. ALL SOIL SHALL BE PERMANENT COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH THE PLANS, QUALITY STANDARDS SPECIFICATION FOR PLANS AND WHICH DESCRIPTION, SECTION 3.04.
9. STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 2:1 AND SHALL BE TEMPORARILY SEEDED AND COVER STANDARD.
10. THE CONSTRUCTION SUPERINTENDENT SHALL HAVE OVERALL RESPONSIBILITY FOR PLANT MAINTENANCE AND FOR SEEING THAT THE APPROPRIATE WORKERS ARE AWARE OF THE PROVISIONS OF THE PLANT. THE CONTRACTOR MUST REPLACE DEADS AND WHICH THAT DIE AND REPAIR WORK WITHIN THE PERIOD OF ONE YEAR AND SHALL BE BID BY NO ADDITIONAL EXPENSE.
11. ALL MAINTENANCE OF PERMANENT CONSTRUCTION SHALL BE PERFORMED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING FINISH GRADING.
12. PERMANENT SEEDING OF AREAS SHALL BE CONTINUED DURING ESTABLISHMENT WITH ALL SOIL MUST IMPLEMENTATION OF THE PLANS MUST BE DONE BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND REPAIRS AS NECESSARY.
13. REMOVE THE TRACKS CLEAR SOIL EROSION AND SEDIMENTATION CONTROL MEASURES PREPARED BY THE EROSION SOIL CONSERVATION SERVICE TIME AS A WHOLE.
14. TEMPORARY HAY BALES TO BE TRANSFER IN PLACE WITH NATURAL MULCH MATERIAL.
15. MAINTAIN DEPTH OF MULCH WITHIN THE AREA TO BE AT LEAST WHEN CHANGED.
16. THE CONTRACTOR SHALL INITIATE APPROPRIATE MEASURES PROCEDURES ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN [illegible] FOURTEEN DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED UNLESS THE ACTIVITY IS TO RESUME WITHIN FOURTEEN DAYS.

STRUCTURAL MEASURES

1. [illegible] SHALL BE INSTALLED UTILIZING A SEDIMENTATION AREA. DISCHARGE INSPECTIONS ARE PROVIDED WITH THE FIRST [illegible] FROM THE [illegible].
2. A PERMANENT INFILTRATION EFFORT SHALL BE ESTABLISHED IN THE BASIN IMMEDIATELY AFTER GRADING. THE INFILTRATION SHALL CONTINUE TO ACCURATE DIVERSION FOR BOTH [illegible] AND PROVIDED BY [illegible] AND [illegible] AS SHOWN ON THE PLANS. THE INFILTRATION SHALL BE CONTINUED TO BE WITHIN THE LIMIT OF WORK AS SHOWN ON THE PLANS.
3. VEGETATION ESTABLISHED ON THE MANDATORY BANK OR ENDED AREAS SHALL BE MAINTAINED REPAIRED AND REVEGETATED BY THE CONTRACTOR.
4. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND INSPECTION OF THE BASIN DURING AND AFTER CONSTRUCTION OF CONSTRUCTION. THE BASIN SHALL BE INSPECTED AFTER EVERY RAINFALL EVENT. THE BASIN AND ANY DAMAGED AREAS SHALL BE REPAIRED IMMEDIATELY. THE CONTRACTOR SHALL REPORT ANY DAMAGE TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF THE FOUNDATION. THE CONTRACTOR SHALL REPORT ANY DAMAGE TO THE OWNER. THE CONTRACTOR SHALL REPAIR ANY DAMAGED AREAS AS SOON AS POSSIBLE.
5. THE GRASS IN THE BASIN SHALL BE ALLOWED TO GROW BETWEEN 6" TO 12".
6. THE DETENTION BASIN SHALL BE BUILT TO PROVIDE WATER QUALITY STORAGE, ROOM FOR 2" RAINFALL TO HAVE STORM EVENTS.
7. SAFE SLOPES OF THE BASIN SHALL BE SEEDED. THE SIDE SLOPES SHALL BE 3:1 MAXIMUM, OR FLATTER AS SHOWN.
8. ALL EMBANKMENTS OF THE BASIN SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT AS EARLY PERFORMANCE WITH ALL STANDARD SPECIFICATION SECTION 3.04.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE DETENTION BASIN DURING CONSTRUCTION UP TO THE ACCEPTANCE BY THE TOWN. THE WALL IS INTERMITTENT CONSTRUCTION. THE WALL SHALL INSPECT THE POINT PERIODICALLY AND AFTER MAJOR STORM.
10. A MAINTENANCE GUIDE TO BE SET WITH THE BASIN TO MONITOR ACCURATE DRAINAGE.
11. MAP AND APPROVE SHALL BE INSTALLED AT THE OUTLETS OF ALL DRAINAGE PIPES. THE OUTLET PIPE SHALL BE PROTECTED BY A MAP DOWNSTREAM AND UPSTREAM.
12. ROCK FREE AREAS SHALL BE INSPECTED SUBMANDATORY AND AFTER MAJOR STORM. THE MAP MAINTENANCE INVENTORY AND REMOVE OF THE PROCESSING OF THE PLAN.
13. THE CONTRACTOR SUPERINTENDENT SHALL HAVE THE OVERALL RESPONSIBILITY FOR STRUCTURAL MEASURES IMPLEMENTATION AND FOR SEEING THAT APPROPRIATE WORKERS ARE AWARE OF THE PROVISIONS OF THE PLAN.
14. REMOVE THE TRACKS CLEAR SOIL EROSION AND SEDIMENTATION CONTROL MEASURES PREPARED BY THE EROSION SOIL CONSERVATION SERVICE TIME AS A WHOLE.

MAINTENANCE: SHORT TERM/LONG TERM

1. ALL IMPLEMENTS IN WHICH EROSION MEASURE OBSERVED OR COMPLETELY DAMAGED SHALL BE REPAIRED PROTECTED AND MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL CHECK THE EFFECTIVENESS OF THE MEASURES AFTER EACH RAINFALL AND REPAIR ANY DAMAGED AREAS.
2. THE CONTRACTOR MUST REPAIR OR REPLACE ANY MEASURE THAT DO NOT DEVELOP WITHIN THE PERIOD OF TIME AND SHALL NOT BE BEYOND FOURTEEN DAYS.
3. ALL MATERIALS, EQUIPMENT, EQUIPMENT, EQUIPMENT, STORAGE AREAS AND TEMPORARY PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE DURATION OF THE CONSTRUCTION. THE CONTRACTOR SHALL ADHERE TO ACCEPTABLE STATE OF GRADE OR APPROVED GROUND COVER IS ESTABLISHED.
4. THE CONTRACTOR SHALL MAINTAIN ALL TEMPORARY STRUCTURES AND SCHEDULE MAINTENANCE DURING CONSTRUCTION. DURING CARE SHALL BE TAKEN TO ENSURE THAT SEDIMENTS DO NOT WASH OVER THE SEDIMENT BARRIER.
5. THE CONTRACTOR SHALL CHECK THE INTEGRITY OF SOIL STORAGE IN A WEEKLY BASIS AND AFTER EVERY STORM FOR DEPOSITION OF SEDIMENTATION. THE CONTRACTOR SHALL REPAIR THE STORAGE AS NECESSARY. THE CONTRACTOR SHALL REPAIR THE STORAGE SHALL REPAIR THE SEDIMENTATION BARRIER. THE CONTRACTOR SHALL REPAIR THE BARRIER IF SEDIMENTATION IS FOUND IN THE BARRIER.
6. THE STORM STABILIZATION PAD AT THE SITE ENTRANCE SHALL BE MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY DAMAGED AREA AND REMOVE ANY DEPOSITED SEDIMENTATION. THE CONTRACTOR SHALL REPAIR THE STORAGE AS SUPPORTED AND REMOVED ANY DEPOSITED SEDIMENTATION. ALL SEDIMENTS SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
7. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND INSPECTION OF THE BASIN DURING AND AFTER CONSTRUCTION OF CONSTRUCTION. MAINTENANCE SHALL INCLUDE REMOVING ANY DEPOSITED SEDIMENTS AFTER THE BASIN DURING AND AFTER CONSTRUCTION OF CONSTRUCTION. REMOVED SEDIMENTS SHALL BE DISPOSED AT AN APPROVED DISPOSAL SITE.
8. THE CONSTRUCTION SHALL PROTECT THE BASIN FROM AFTER EACH STORM AND REPAIR AS NECESSARY.
9. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE DRAINAGE SYSTEM THROUGHOUT CONSTRUCTION.
10. THE NONCONFORMIST ASSOCIATION PLAN IS RESPONSIBLE FOR THE LONG TERM MAINTENANCE OF THE DETENTION BASIN. ALL DRAINAGE SYSTEMS CONTAINED WITHIN THE PLAN OF THE PLAN SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL THE TOWN OF NORTH KINGSTOWN ACCEPTS THE DRAINAGE SYSTEM. THE CONTRACTOR SHALL REPAIR ANY DAMAGED AREAS AS NECESSARY. THE CONTRACTOR SHALL REPAIR ANY DAMAGED AREAS AS NECESSARY.
11. THE BASIN SHALL CHECK AND REPAIR EROSION AND DEPRESSION DUE TO WATER FLOW. THE CONTRACTOR SHALL REPAIR ANY DEPRESSION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS.
12. THE BASIN SHALL MAINTAIN THE BASIN AFTER ACCEPTANCE BY THE TOWN. THE BASIN SHALL MAINTAIN A GOOD VEGETATION COVER TO PREVENT EROSION. THE BASIN SHALL BE MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS. THE BASIN SHALL BE MAINTAINED BY THE OWNERS. THE BASIN SHALL BE MAINTAINED BY THE OWNERS. THE BASIN SHALL BE MAINTAINED BY THE OWNERS. THE BASIN SHALL BE MAINTAINED BY THE OWNERS.
13. THE CONSTRUCTION SUPERINTENDENT SHALL HAVE OVERALL RESPONSIBILITY FOR THE MAINTENANCE PROGRAM DURING THE CONSTRUCTION PHASE. THE SUPERINTENDENT SHALL SEE THAT THE APPROPRIATE WORKERS ARE AWARE OF THE PROVISIONS OF THE PLAN.
14. AFTER ACCEPTANCE BY THE TOWN, THE R.I. SHALL HAVE OVERALL RESPONSIBILITY FOR IMPLEMENTING THE MAINTENANCE PROGRAM.
15. CONSTRUCTION OF DETENTION BASIN SHALL BE SUPERVISED BY A PROFESSIONAL ENGINEER. A REPORT AND PLAN OF AS-BUILT CONSTRUCTION SHALL BE MADE AVAILABLE TO THE TOWN ENGINEER.

Preliminary Submission

Preliminary - Not for Construction

THIS PLAN IS NOT TO BE UTILIZED FOR CONSTRUCTION ACTIVITIES. ONLY PLANS STAMPED "ISSUED FOR CONSTRUCTION" AND SIGNED BY A DIPRETE ENGINEERING REPRESENTATIVE SHALL BE UTILIZED FOR CONSTRUCTION ACTIVITIES.

ERIC M. PRIVE
No. 6662
REGISTERED PROFESSIONAL ENGINEER CIVIL

REV.	DATE	DESCRIPTION	BY
[illegible]	[illegible]	[illegible]	[illegible]

DETAIL SHEET

Barber's Heights Minor Subdivision

A.P. 41 LOTS 9 & 12-19, 28
NORTH KINGSTOWN, RHODE ISLAND

PREPARED BY
DiPrete Engineering Associates, Inc.
ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
TWO STAFFORD COURT
CRANSTON, RI 02920
(401) 943-1810 FAX: (401) 464-6006

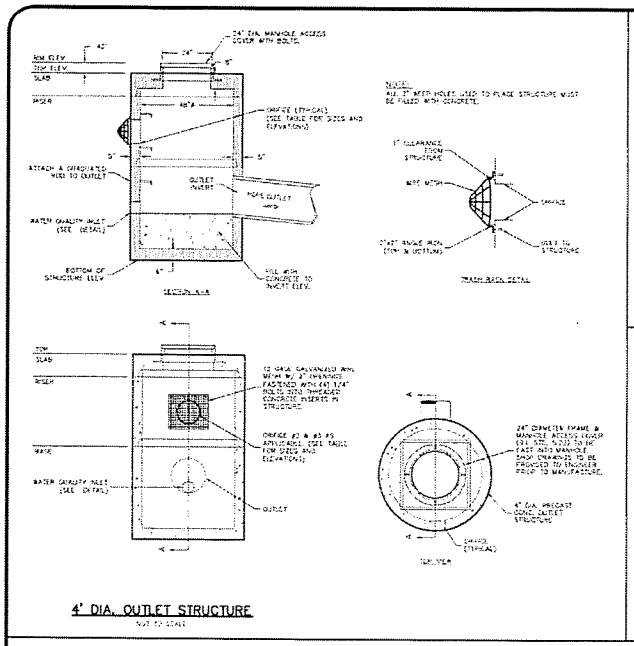
OWNERS
Delphi Capital, LLC
P.O. BOX 1829
VENICE, CA 90294
(310) 306-5466

Craig Missler
P.O. BOX 1829
VENICE, CA 90294
(310) 306-5466

DECEMBER, 1999
DWG. BY: A.M.P.

SHEET 6 OF 11

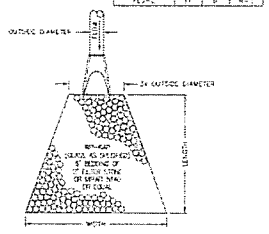
COPYRIGHT 2000 DiPrete Engineering Associates, Inc.



4' DIA. OUTLET STRUCTURE

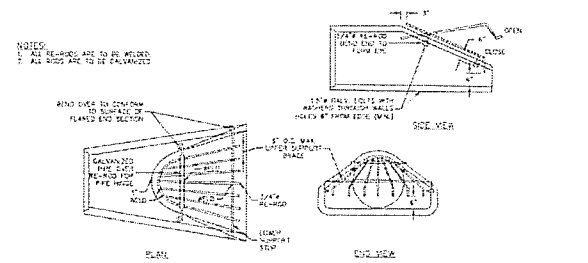
NOT TO SCALE

FLARED END	LENGTH	WIDTH	CLASS
FES-1	16'	11'	R-3
FES-2	14'	9'	R-3



RIP-RAP APRON/ FE DETAIL

NOT TO SCALE



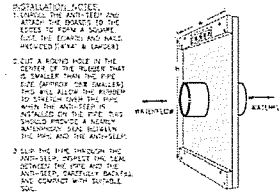
GRATING FOR FLARED END

NOT TO SCALE

LOCATION	WIDTH	HEIGHT	QUANTITY
DETENTION BASIN	3.0'	3.0'	1

INSTALLATION NOTES:
1. CAREFULLY THE ANTI-SEEP RING ATTACH THE BOARDS TO THE EDGES TO FORM A SQUARE. (USE THE SCRAPS AND NAILS PROVIDED [4"x4" & 2"x6"])
2. CUT A ROUND HOLE IN THE CENTER OF THE RUBBER THAT IS SMALLER THAN THE PIPE SIZE (APPROX. 1/8" SMALLER). THIS WILL ALLOW THE RUBBER TO STRETCH OVER THE PIPE WHEN THE ANTI-SEEP IS INSTALLED ON THE PIPE. THIS SHOULD PROVIDE A NEARLY WATERTIGHT SEAL BETWEEN THE PIPE AND THE ANTI-SEEP.
3. SLIP THE PIPE THROUGH THE ANTI-SEEP. PROVIDE ONE SEAM BETWEEN THE PIPE AND THE ANTI-SEEP. CAREFULLY BACKFILL AND COMPACT WITH SUITABLE SOIL.

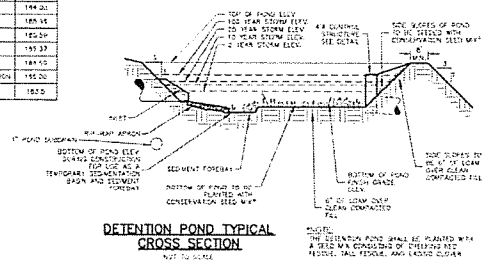
NOTE:
ASTM DRAIN CONC. OR EQUAL



ANTI-SEEP COLLAR

NOT TO SCALE

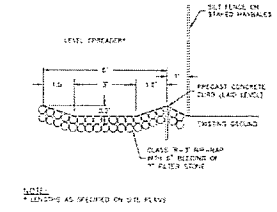
DESCRIPTION	D. BASIN
TOP OF POND ELEVATION	187.00
BOTTOM OF POND	184.00
100 YEAR STORM ELEVATION	188.45
25 YEAR STORM ELEVATION	186.59
10 YEAR STORM ELEVATION	185.37
2 YEAR STORM ELEVATION	184.45
SEASONAL HIGH WAT ELEVATION	182.00
BOTTOM OF POND ELEVATION FOR SEDIMENT FOREBAY	180.5



NOTE:
THE DETENTION POND SHALL BE PLANTED WITH A SEED MIX CONSISTING OF CHEWINGS RED FESCUE, TALL FESCUE, AND LADINO CLOVER

DETENTION POND TYPICAL CROSS SECTION

NOT TO SCALE

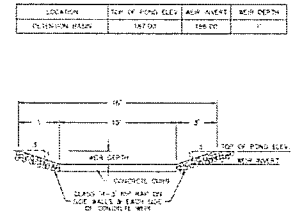


NOTE:
* LENGTHS AS SPECIFIED ON SITE PLANS

LEVEL SPREADER

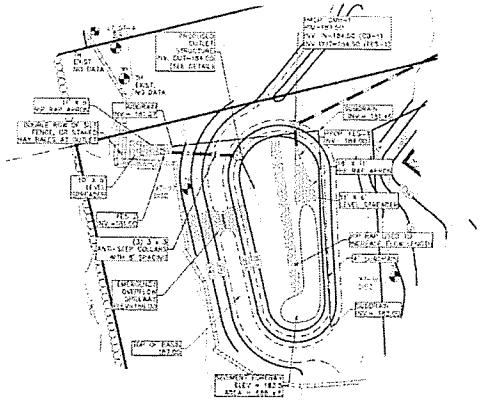
NOT TO SCALE

LOCATION	TOP OF POND ELEV.	ACW INVERT	WEIR DEPTH
DETENTION BASIN	187.00	186.00	1'



EMERGENCY SPILLWAY DETAIL

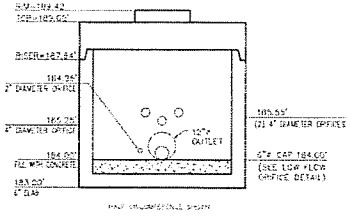
NOT TO SCALE



DETENTION BASIN PLAN VIEW

SCALE 1"=20'

DESCRIPTION	PROP. INVERT
PIPE ELEVATION	184.42
TOP ELEVATION	188.00
ORIFICE #1 SIZE & INVERT	184.42
ORIFICE #2 SIZE & INVERT	184.94
ORIFICE #3 SIZE & INVERT	185.55
ORIFICE #4 SIZE & INVERT	186.00
WEIR WATER DEPTH SIZE & INVERT	0.5'/0' 186.00
INVERT WATER QUALITY INLET	187.00
PIPE WITH CONCRETE TO ELEVATION	184.00
BOTTOM OF STRUCTURE	184.00

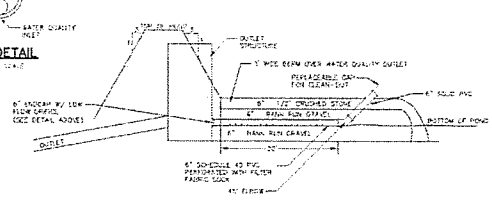


DETENTION BASIN OUTLET

SCALE 1"=1'

CAP DETAIL

NOT TO SCALE



LOW FLOW ORIFICE (TYPICAL)

NOT TO SCALE

Preliminary Submission

Preliminary - Not for Construction

THIS PLAN IS NOT TO BE UTILIZED FOR CONSTRUCTION ACTIVITIES. ONLY PLANS STAMPED "ISSUED FOR CONSTRUCTION" AND SIGNED BY A DIPRETE ENGINEERING REPRESENTATIVE SHALL BE UTILIZED FOR CONSTRUCTION ACTIVITIES.

ERIC M. PRIVE
No. 8662
REGISTERED PROFESSIONAL ENGINEER
CIVIL

NO.	DATE	DESCRIPTION	BY

DETAIL SHEET

Barber's Heights Minor Subdivision

A.P. 21 LOTS 9 & 12-13, 28
NORTH KINGSTOWN, RHODE ISLAND

PREPARED BY
DiPrete Engineering Associates, Inc.
ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
TWO STAFFORD COURT
CRANSTON, RI 02920
(401) 943-1020 FAX (401) 464-6006

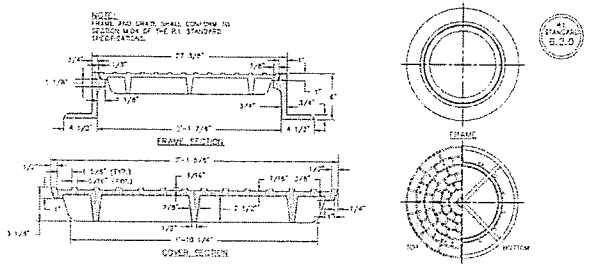
OWNERS
Delphi Capital, LLC
P.O. BOX 1829
VENICE, CA 90294
(310) 306-5460

Craig Missler
P.O. BOX 1829
VENICE, CA 90294
(310) 306-5460

DECEMBER, 2006
DWG. BY: A.M.P.

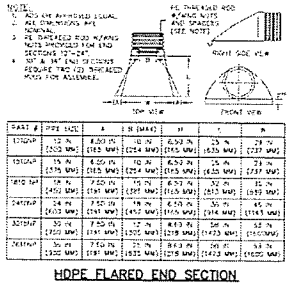
SHEET 7 OF 11

Copyright 2006 by DiPrete Engineering Associates, Inc.



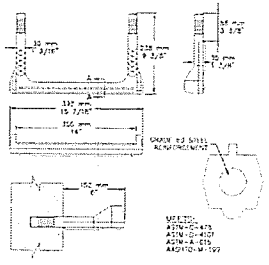
LIGHT-DUTY ROUND FRAME AND COVER

NOT TO SCALE



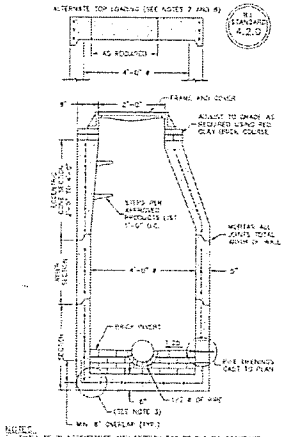
HDPE FLARED END SECTION

NOT TO SCALE



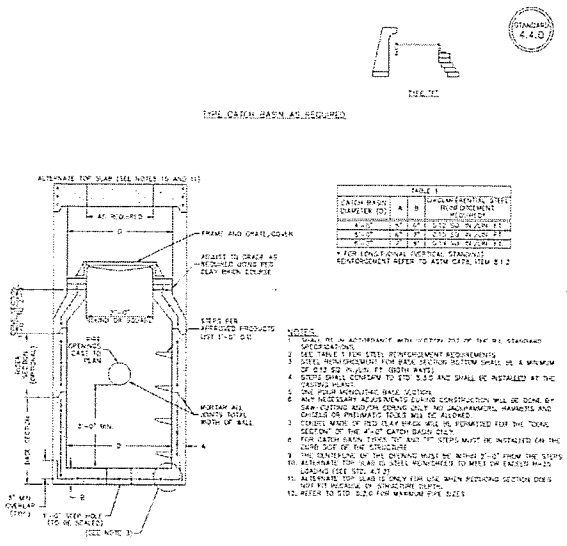
MANHOLE STEP

NOT TO SCALE



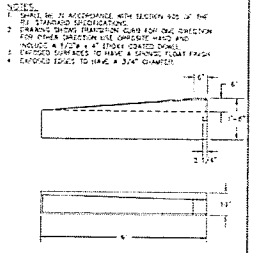
PRECAST 4'-0" ROUND MANHOLE

NOT TO SCALE



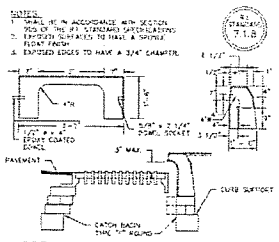
PRECAST ROUND CATCH BASIN

NOT TO SCALE



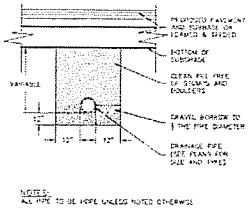
6' PRECAST CONCRETE TRANSITION CURB

NOT TO SCALE



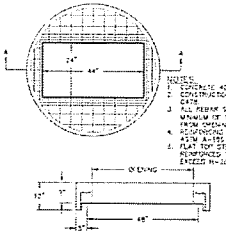
PRECAST CONCRETE APRON STONE (FOR ROUND CATCH BASIN)

NOT TO SCALE



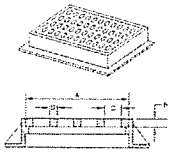
DRAINAGE TRENCH DETAIL

NOT TO SCALE



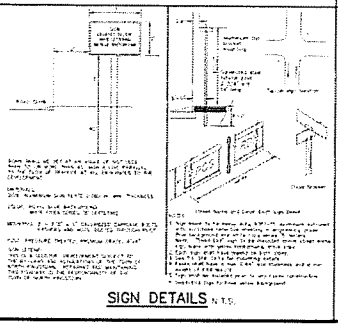
4' DIA. DOUBLE OPENING SLAB COVER HANSON PIPE (OR EQUAL)

NOT TO SCALE

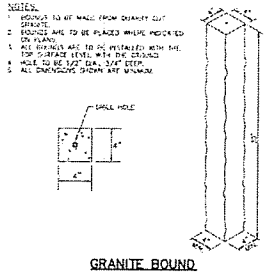


DOUBLE FRAME & GRATE NEENAH FOUNDRY CORP. (OR EQUAL)

NOT TO SCALE

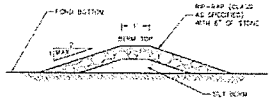


SIGN DETAILS N.T.S.



GRANITE BOUND

NOT TO SCALE



RIP-RAP BERM

NOT TO SCALE

Preliminary - Not for Construction

THIS PLAN IS NOT TO BE UTILIZED FOR CONSTRUCTION ACTIVITIES. ONLY PLANS STAMPED "ISSUED FOR CONSTRUCTION" AND SIGNED BY A DIRECT ENGINEERING REPRESENTATIVE SHALL BE UTILIZED FOR CONSTRUCTION ACTIVITIES.

Preliminary Submission

ERIC M. PRIVE
No. 8562
REGISTERED PROFESSIONAL ENGINEER CIVIL

NO.	DATE	DESCRIPTION	BY

DETAIL SHEET

Barber's Heights Minor Subdivision

A.P. 41 LOTS 9 & 12-19, 29

NORTH KINGSTOWN, RHODE ISLAND

PREPARED BY:
DiPrete Engineering Associates, Inc.
ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
TWO STAFFORD COURT
CRANSTON, RI 02920
(401) 943-1603 FAX: (401) 464-6506

OWNERS
Delphi Capital, LLC
P.O. BOX 1820
VENICE, CA 90294
(310) 306-5466

Craig Missler
P.O. BOX 1820
VENICE, CA 90294
(310) 306-5466

DECEMBER, 2006

DWG. NO. A-10

SHEET 8 OF 11

Copyright 2006 by DiPrete Engineering Associates, Inc.