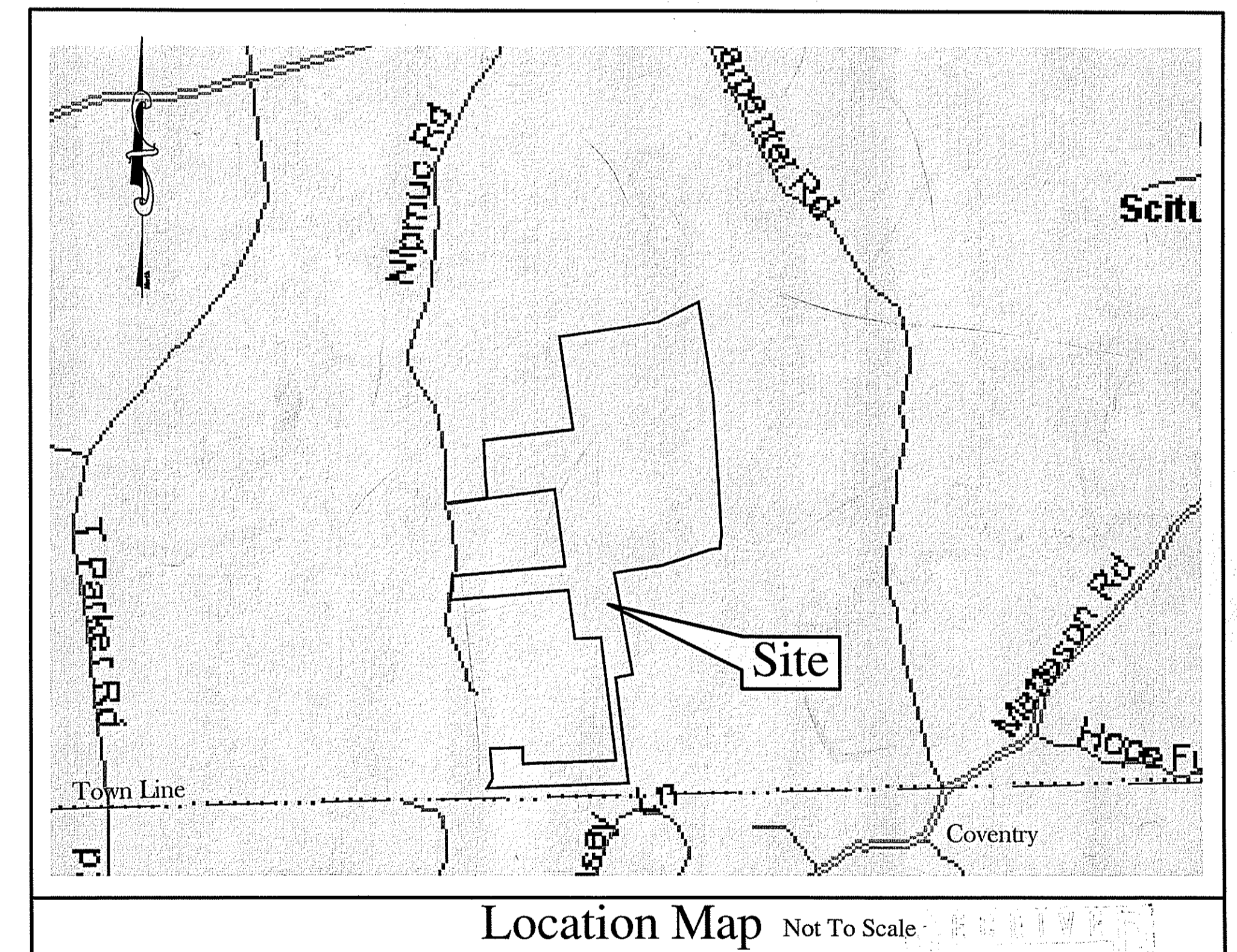


RIDEM Preliminary Determination Submission Scituate Highlands

Located on Nipmuc Road
Scituate, Rhode Island
Assessor's Plat 50 Lot 5

Sheet Index

- | | |
|-----------------------------|----------------------|
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| 2. Aerial 1/2 Mile Radius | 15. Plan and Profile |
| 3. Existing Conditions Plan | 16. Plan and Profile |
| 4. Overall Plan | 17. Plan and Profile |
| 5. Grading Plan | 18. Plan and Profile |
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| 9. Grading Plan | 22. Detail Sheet -1 |
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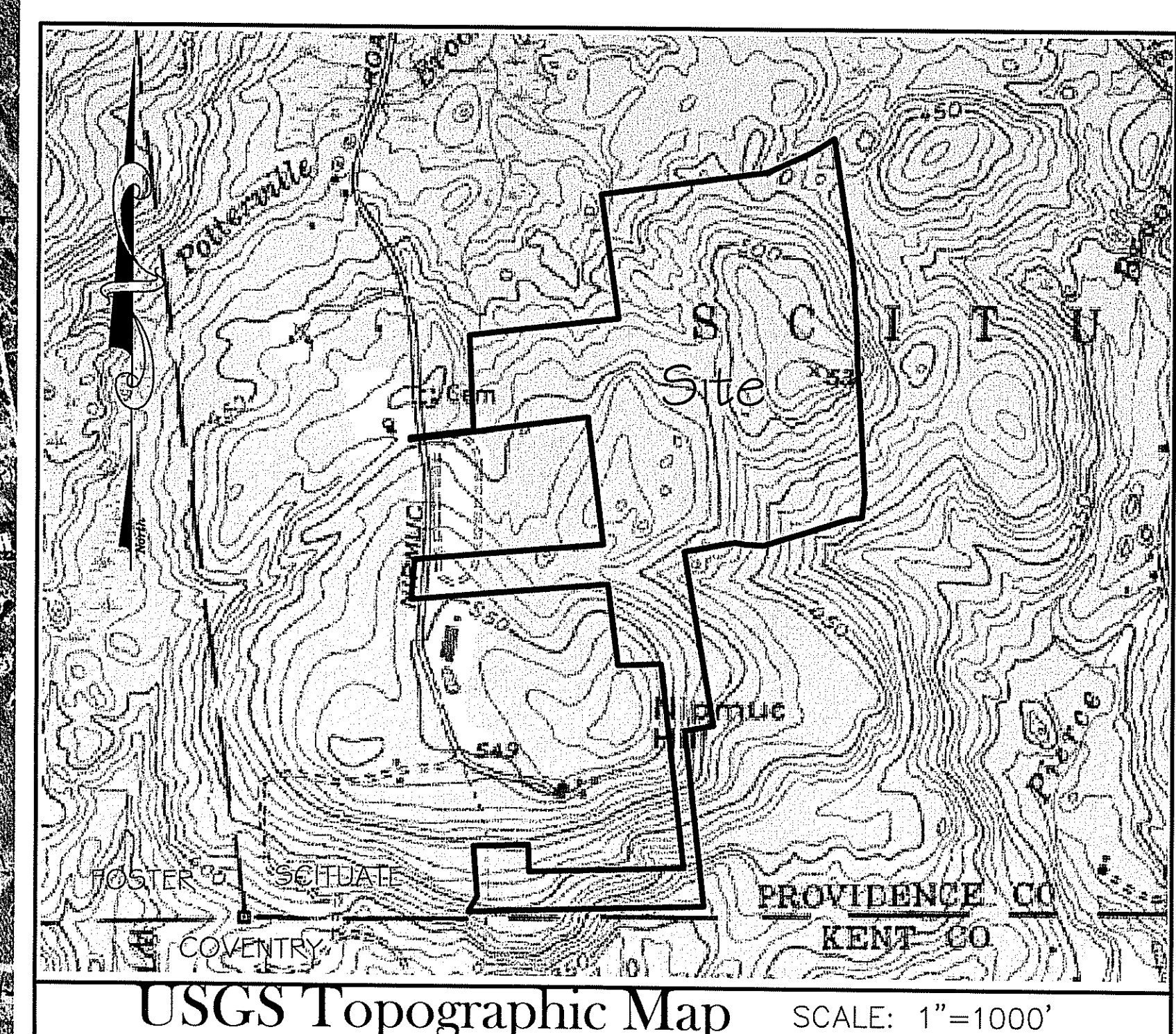


APR 8 2008

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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APPROVED WITH CONDITIONS
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DATED JUN 19 2008 FILE # 07-0341
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.
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Christopher D. Wenczek

		<p>COVER SHEET</p> <p>Scituate Highlands ASSESSOR'S PLAT 50 LOT 5 SCITUATE, RHODE ISLAND</p> <p>PREPARED BY DIPrete Engineering Associates, Inc. ENGINEERING, SURVEYING AND PLANNING CONSULTANTS TWO STAFFORD COURT CRANSTON, R.I. 02920 (401) 943-1000 FAX: (401) 464-6006</p> <p>PREPARED FOR Scituate Highlands, LLC 44 MAIN STREET WAKEFIELD, R.I. 02879 (401) 284-0011</p> <p>AUGUST, 2007 DWN. BY: E.L.T.</p> <p>SHEET 1 OF 24</p>	
NO.	DATE	DESCRIPTION	BY
3	4-04-08	RIDEM FWV RE-SUBMISSION	C.R.D.
2	2-22-08	RIDEM FWV RE-SUBMISSION	L.A.B.
1	8-27-07	RIDEM SITE SUITABILITY SUBMISSION	B.A.F.
0	8-27-07	RIDEM FWV SUBMISSION	L.A.B.



Legend

	EXISTING TREE LINE		SILT FENCE OR HAY BALES AT LIMIT OF DISTURBANCE
	PROPOSED TREE LINE		LIMIT OF DISTURBANCE LINE
	ABUTTING PROPERTY LINE		EXISTING FENCE
	SOIL DIVISION LINE		PROPOSED DRAINAGE
	PROPERTY LINE		PROPOSED CATCHBASIN
	EXISTING BUILDING		PROPOSED DOUBLE CATCHBASIN
	STONEWALL EXISTING		PROPOSED MANHOLE
	STONEWALL PROPOSED		PROPOSED FLARED END
	OVERHEAD WIRES		PROPOSED RIP RAP APRON
	UTILITY POLE		PROPOSED DRYWELL SYSTEM
	TWO FOOT CONTOUR		PROPOSED PAVED DRIVEWAY
	TEN FOOT CONTOUR		PROPOSED DRAINAGE EASEMENT
	PROPOSED CONTOURS		SETBACK LINE
	FLAGGED WETLAND LINE		CEMETERY
	EXISTING GRAVEL CART PATHS		50' PERIMETER WETLAND LINE
	PROPOSED ISDS		100' RIVERBANK WETLAND
	PROPOSED SEPTIC TANK		SCITUATE RESERVOIR WATERSHED BOUNDARY
	PROPOSED HOUSE		TEST HOLE
	EXISTING ISDS		LEDGE TEST
	EXISTING BOULDER		DRAINAGE PIPE FLOW ARROW
			SPOT GRADE

JUN 19 2008
07-0341
APR 8 2008

PHOTO OBTAINED FROM THE RI-GIS 2004 DIGITAL ORTHOPHOTOS OF RHODE ISLAND. SCALE: 1"=600'

NO.	DATE	DESCRIPTION	BY
3	4-04-08	RIDEM FWW SUBMISSION	CED
2	12-21-07	RIDEM FWW SUBMISSION	BAH
1	12-21-07	RIDEM SITE SUITABILITY SUBMISSION	BAH
0	8-30-07	RIDEM FWW SUBMISSION	LAB

AERIAL 1/2 MILE RADIUS
Scituate Highlands
 ASSESSOR'S PLAT 50 LOT 5
 SCITUATE, RHODE ISLAND

PREPARED BY
DiPrete Engineering Associates, Inc.
 ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
 TWO STAFFORD COURT
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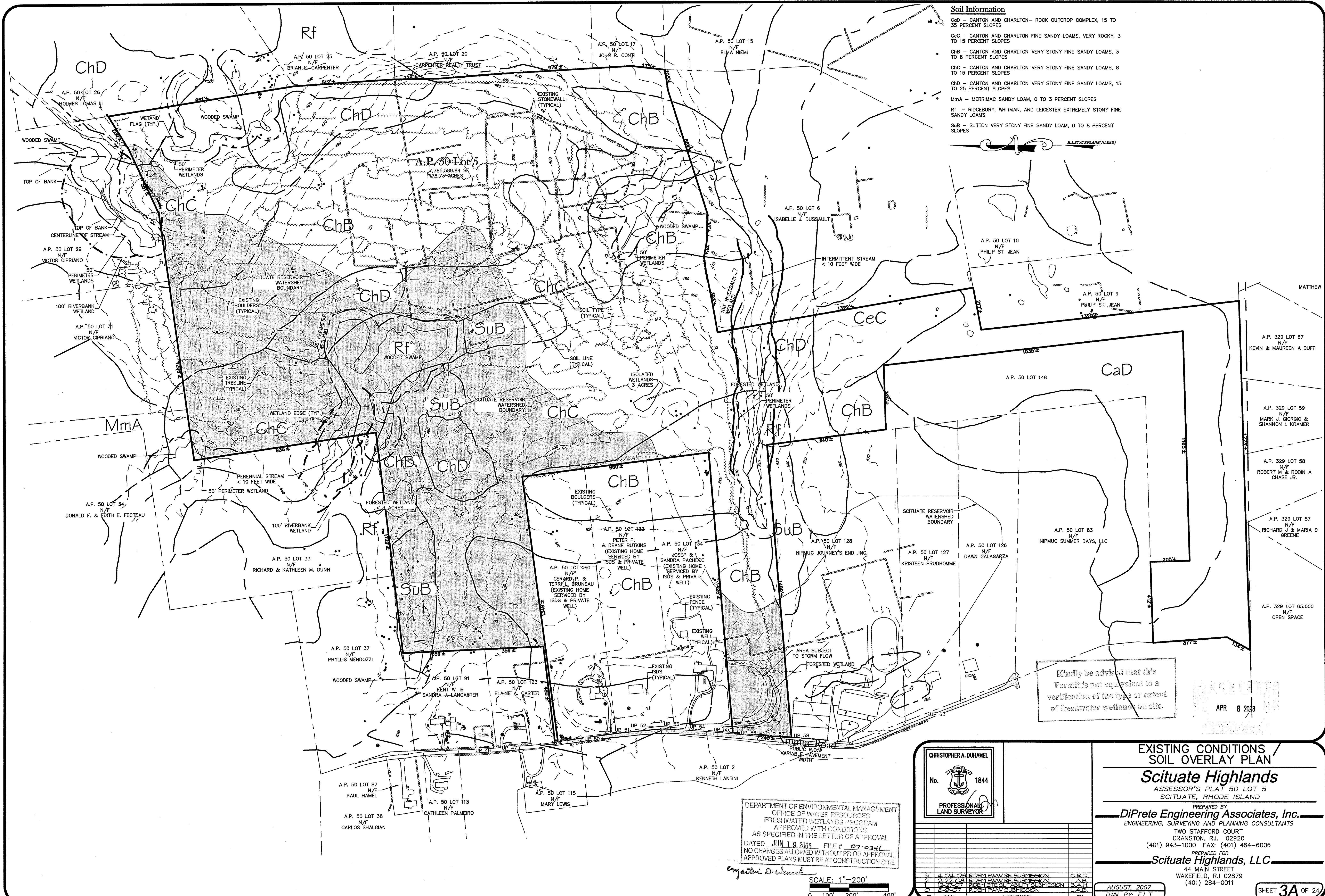
AUGUST, 2007
 DWN. BY: E.L.T.

SHEET **2** OF 24

Soil Information

- CaD - CANTON AND CHARLTON- ROCK OUTCROP COMPLEX, 15 TO 35 PERCENT SLOPES
- CeC - CANTON AND CHARLTON FINE SANDY LOAMS, VERY ROCKY, 3 TO 15 PERCENT SLOPES
- ChB - CANTON AND CHARLTON VERY STONY FINE SANDY LOAMS, 3 TO 8 PERCENT SLOPES
- ChC - CANTON AND CHARLTON VERY STONY FINE SANDY LOAMS, 8 TO 15 PERCENT SLOPES
- ChD - CANTON AND CHARLTON VERY STONY FINE SANDY LOAMS, 15 TO 25 PERCENT SLOPES
- MmA - MERRIMAC SANDY LOAM, 0 TO 3 PERCENT SLOPES
- Rf - RIDGEBURY, WHITMAN, AND LEICESTER EXTREMELY STONY FINE SANDY LOAMS
- Sub - SUTTON VERY STONY FINE SANDY LOAM, 0 TO 8 PERCENT SLOPES

R.I. STATE PLANS (NAD83)



Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

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Christopher A. Duhamel

SCALE: 1"=200'
0 100' 200' 400'

CHRISTOPHER A. DUHAMEL
No. 1844
PROFESSIONAL LAND SURVEYOR

NO.	DATE	DESCRIPTION	BY
3	4-04-08	RIDEM FWW SUBMISSION	C.R.D.
2	4-29-08	RIDEM FWW SUBMISSION	C.R.D.
1	12-27-07	RIDEM SITE SUITABILITY SUBMISSION	B.A.P.
0	8-20-07	RIDEM FWW SUBMISSION	L.A.B.

EXISTING CONDITIONS / SOIL OVERLAY PLAN
Scituate Highlands
ASSESSOR'S PLAT 50 LOT 5
SCITUATE, RHODE ISLAND

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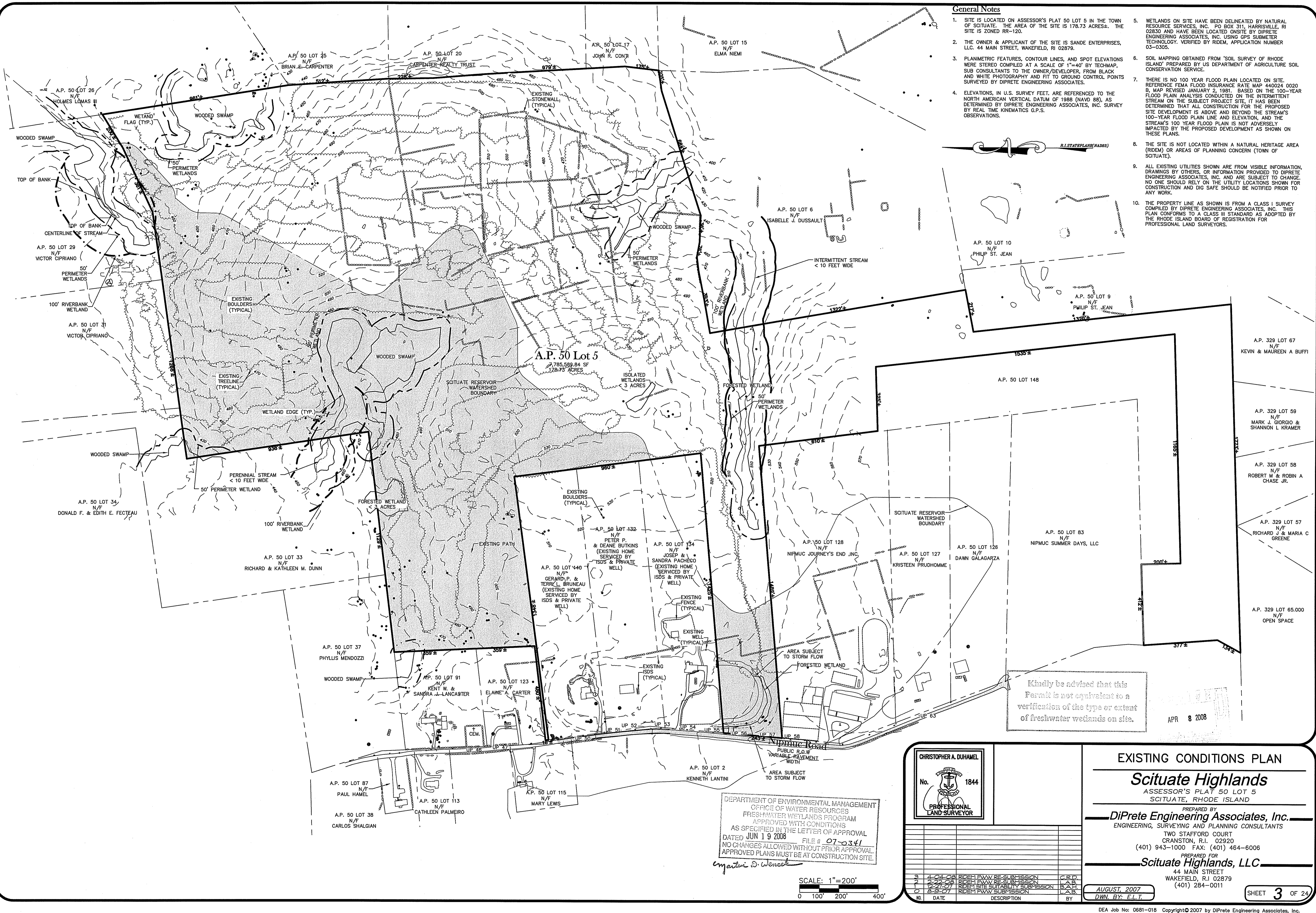
PREPARED FOR
Scituate Highlands, LLC
44 MAIN STREET
WAKEFIELD, R.I. 02879
(401) 284-0011

AUGUST, 2007
DWN. BY: E.L.T.

SHEET **3A** OF 24

General Notes

1. SITE IS LOCATED ON ASSESSOR'S PLAT 50 LOT 5 IN THE TOWN OF SCITUATE. THE AREA OF THE SITE IS 178.73 ACRES. THE SITE IS ZONED RR-120.
2. THE OWNER & APPLICANT OF THE SITE IS SANDE ENTERPRISES, LLC. 44 MAIN STREET, WAKEFIELD, RI 02879.
3. PLANIMETRIC FEATURES, CONTOUR LINES, AND SPOT ELEVATIONS WERE STEREO COMPILED AT A SCALE OF 1"=40' BY TECHMAP, SUB CONSULTANTS TO THE OWNER/DEVELOPER, FROM BLACK AND WHITE PHOTOGRAPHY AND FIT TO GROUND CONTROL POINTS SURVEYED BY DIPRETE ENGINEERING ASSOCIATES.
4. ELEVATIONS, IN U.S. SURVEY FEET, ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). AS DETERMINED BY DIPRETE ENGINEERING ASSOCIATES, INC. SURVEY BY REAL TIME KINEMATICS G.P.S. OBSERVATIONS.
5. WETLANDS ON SITE HAVE BEEN DELINEATED BY NATURAL RESOURCE SERVICES, INC. PO BOX 311, HARRISVILLE, RI 02830 AND HAVE BEEN LOCATED ONSITE BY DIPRETE ENGINEERING ASSOCIATES, INC. USING GPS SUBMETER TECHNOLOGY. VERIFIED BY RIDEM, APPLICATION NUMBER 03-0305.
6. SOIL MAPPING OBTAINED FROM "SOIL SURVEY OF RHODE ISLAND" PREPARED BY US DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.
7. THERE IS NO 100 YEAR FLOOD PLAIN LOCATED ON SITE. REFERENCE FEMA FLOOD INSURANCE RATE MAP 440024 0020 B, MAP REVISED JANUARY 2, 1981. BASED ON THE 100-YEAR FLOOD PLAIN ANALYSIS CONDUCTED ON THE INTERMITTENT STREAM ON THE SUBJECT PROJECT SITE, IT HAS BEEN DETERMINED THAT ALL CONSTRUCTION FOR THE PROPOSED SITE DEVELOPMENT IS ABOVE AND BEYOND THE STREAM'S 100-YEAR FLOOD PLAIN LINE AND ELEVATION, AND THE STREAM'S 100 YEAR FLOOD PLAIN IS NOT ADVERSELY IMPACTED BY THE PROPOSED DEVELOPMENT AS SHOWN ON THESE PLANS.
8. THE SITE IS NOT LOCATED WITHIN A NATURAL HERITAGE AREA (RIDEM) OR AREAS OF PLANNING CONCERN (TOWN OF SCITUATE).
9. ALL EXISTING UTILITIES SHOWN ARE FROM VISIBLE INFORMATION, DRAWINGS BY OTHERS, OR INFORMATION PROVIDED TO DIPRETE ENGINEERING ASSOCIATES, INC. AND ARE SUBJECT TO CHANGE. NO ONE SHOULD RELY ON THE UTILITY LOCATIONS SHOWN FOR CONSTRUCTION AND DIG SAFE SHOULD BE NOTIFIED PRIOR TO ANY WORK.
10. THE PROPERTY LINE AS SHOWN IS FROM A CLASS I SURVEY COMPILED BY DIPRETE ENGINEERING ASSOCIATES, INC. THIS PLAN CONFORMS TO A CLASS III STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

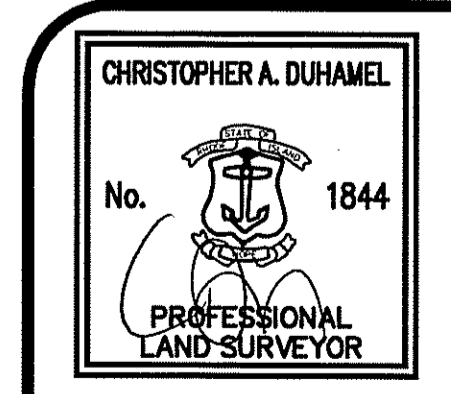
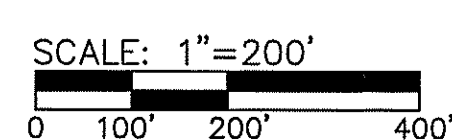


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APR 8 2008

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Christopher D. Wenzel



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2	2-22-08	RIDEM FFWW RE-SUBMISSION	L.A.B.
1	12-17-07	RIDEM SITE SUITABILITY SUBMISSION	S.A.H.
0	8-9-07	RIDEM FFWW SUBMISSION	A.B.

EXISTING CONDITIONS PLAN

Scituate Highlands
ASSESSOR'S PLAT 50 LOT 5
SCITUATE, RHODE ISLAND

PREPARED BY
DiPrete Engineering Associates, Inc.
ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
TWO STAFFORD COURT
CRANSTON, R.I. 02920
(401) 943-1000 FAX: (401) 464-6006

PREPARED FOR
Scituate Highlands, LLC
44 MAIN STREET
WAKEFIELD, R.I. 02879
(401) 284-0011

AUGUST, 2007
DWN. BY: E.L.T.

SHEET 3 OF 24



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 ISDS'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 ISDS EXCEPT WHERE SHOWN.
5. A PORTION OF THE SITE FALLS WITHIN THE WATERSHED OF THE SCITUATE RESERVOIR.

Dimensional Regulations

ZONING: RR-120 FLEXIBLE ZONING
 MINIMUM LOT AREA: 120,000 SF
 MINIMUM LOT WIDTH (AT FRONT YARD SETBACK): 50 FT.
 MINIMUM FRONT YARD SETBACK: 35 FT.
 MINIMUM SIDE YARD SETBACK: 35 FT.
 MINIMUM REAR YARD SETBACK: 40 FT.

Development Data

GROSS AREA OF PARCEL: 178,734 ACRES
 NUMBER OF BUILDABLE LOTS: 38
 TOTAL AREA OF BUILDABLE LOTS: 116,854 ACRES
 AVERAGE LOT AREA: 134,094 SF
 AREA OF R.O.W.: 8,004 ACRES
 LENGTH OF ROADWAY: 6,624 LF
 AREA OF LAND TO BE DEEDED: 53,78 ACRES
 ROADWAY LENGTHS OF A: 4,689 FT
 ROADWAY LENGTHS OF B: 1,585 FT
 ROADWAY LENGTHS OF C: 350 FT

General Notes

1. PROPOSED HOMES ARE TO BE SERVICED BY PRIVATE WELLS AND PRIVATE ISDS.
2. THE DRAINAGE SYSTEM IS DESIGNED TO MEET THE TOWN OF SCITUATE LAND DEVELOPMENT AND SUBDIVISION REGULATIONS WITH THE USE OF CATCH BASINS, CULVERTS, AND DRAINAGE BASINS. THE STORMWATER MANAGEMENT SYSTEM WILL MEET THE RIDEM BEST MANAGEMENT PRACTICES.
3. PROPOSED RIGHT OF WAYS ARE TO BE 50' WIDE WITH 26' WIDE PAVEMENT (12' TRAVEL LANES AND CAPE COD BERM ON EACH SIDE).
4. THE SITE IS PROPOSED IN 2 PHASES.
5. 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.
6. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING FINISH GRADING AND DRAINAGE AROUND THE BUILDING TO ENSURE SURFACE WATER AND/OR GROUND WATER ARE DIRECTED AWAY FROM THE STRUCTURE. THIS PLAN SHOWS GENERAL GRADING ONLY AND ADDITIONAL DETAIL IS LIKELY TO BE REQUIRED AROUND THE BUILDING.
7. THE CONTRACTOR SHALL COORDINATE WITH ALL OF THE APPROPRIATE UTILITY COMPANIES FOR AGREEMENTS TO SERVICE THE PROPOSED BUILDING. THIS SHALL BE DONE PRIOR TO CONSTRUCTION. NO REPRESENTATIONS ARE MADE BY DEA THAT UTILITY SERVICE IS AVAILABLE.
8. ALL EXISTING UTILITIES SHOWN ARE FROM VISIBLE INFORMATION, DRAWINGS BY OTHERS, OR INFORMATION PROVIDED TO DEA AND ARE SUBJECT TO CHANGE. NO ONE SHOULD RELY ON THE UTILITY LOCATIONS SHOWN FOR CONSTRUCTION AND DIG SAFE SHOULD BE NOTIFIED PRIOR TO ANY WORK.
9. REFERENCE RIDEM WETLAND EDGE VERIFICATION No. #03-0305.
10. CONTRACTOR TO NOTIFY THE DESIGN ENGINEER OF CONSTRUCTION SCHEDULE IN ORDER TO ALLOW FOR THE INSPECTION OF THE INSTALLATION OF THE DRAINAGE, DETENTION BASIN, SEWER & WATER, AND ROADWAY BASE.
11. EXISTING WALLS TO BE REMOVED AND REPLACED WHERE NECESSARY. REMOVED WALLS TO BE REPLACED ALONG PROPOSED PROPERTY LINES.

Note

THE PROPOSED LAYOUT IS OFFERED UNDER SECTION 12 OF THE SCITUATE ORDINANCES. LOT FRONTAGE HAS BEEN REDUCED TO LESS THAN 300 FEET IN ORDER TO REDUCE IMPACTS AND DISTURBANCES WITHIN THE SCITUATE RESERVOIR WATERSHED. TO FURTHER REDUCE THE LENGTH OF ROAD FRONTAGE ON CUL DE SACS HAVE BEEN REDUCED TO A MINIMUM OF 20 FEET TO PROVIDE DRIVEWAY ACCESS AND LANDSCAPING. PLEASE NOTE LOT DENSITY IS CONSISTENT WITH CONVENTIONAL MASTER PLAN.

Construction Phasing

PHASE 1: LOTS 2-19
 PHASE 2: LOTS 1, 20-38

Scituate ISDS Minimum Distances

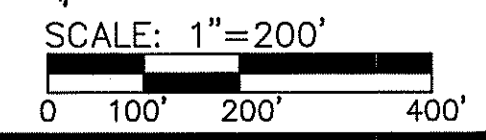
PROPERTY LINE: 25 FT
 STREET BOUNDARY LINE: 50 FT
 SUBSURFACE DRAIN: 100 FT
 WETLAND, STREAM, POND OR SPRING: 150 FT
 PRIVATE WELL: 100 FT

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APR 8 2008

BENCHMARK:
 NAIL ON UP # 56
 ELEVATION. 154.32

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CHRISTOPHER A. DUHAMEL
 No. 5013
 REGISTERED PROFESSIONAL ENGINEER

OVERALL PLAN

Scituate Highlands

ASSESSOR'S PLAT 50 LOT 5
 SCITUATE, RHODE ISLAND

PREPARED BY
DiPrete Engineering Associates, Inc.
 ENGINEERING, SURVEYING AND PLANNING CONSULTANTS

TWO STAFFORD COURT
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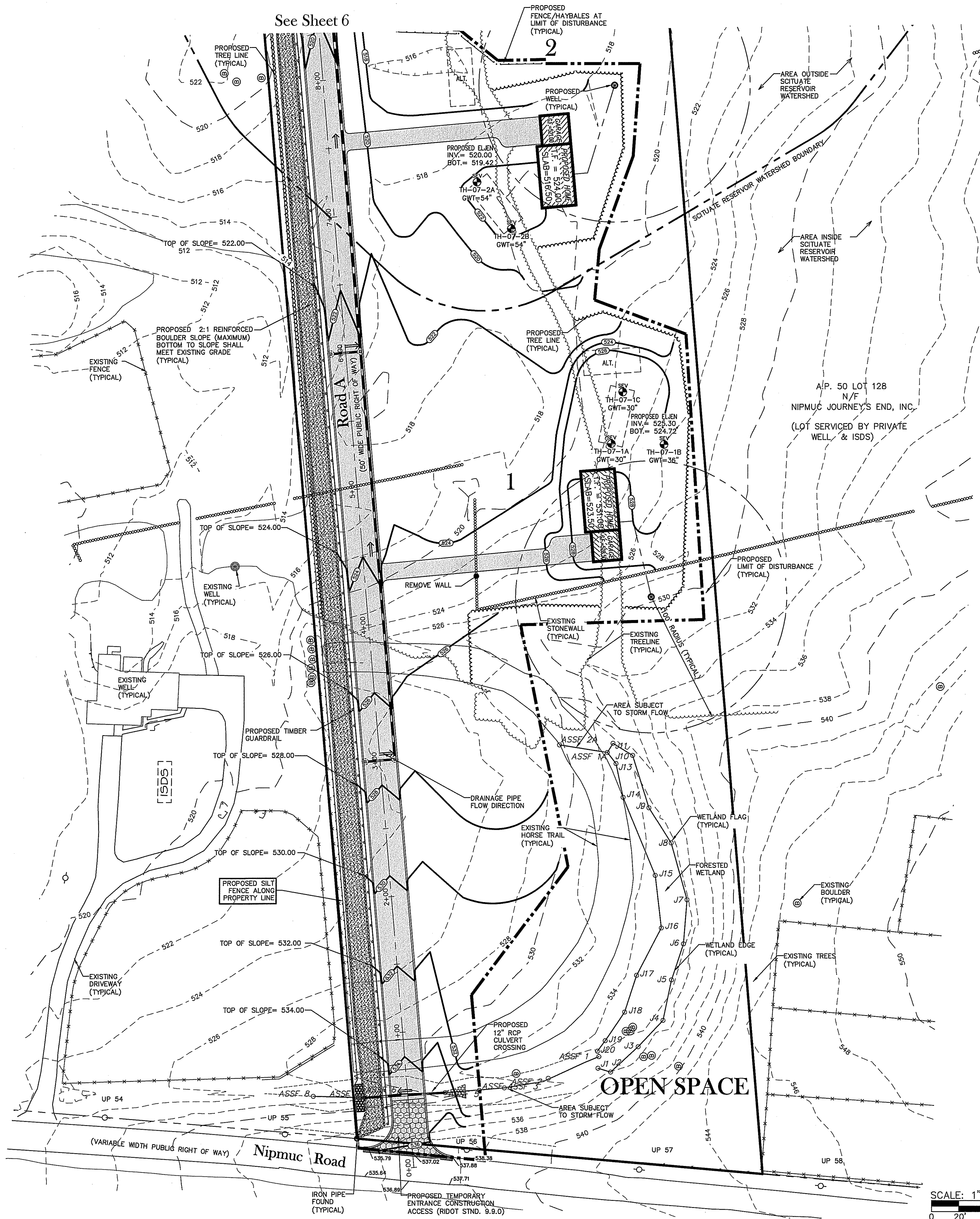
PREPARED FOR
Scituate Highlands, LLC

44 MAIN STREET
 WAKEFIELD, R.I. 02879
 (401) 284-0011

AUGUST, 2007
 DWN. BY: E.L.T.

SHEET 4 OF 24

See Sheet 6



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Christopher A. Duhamel

CHRISTOPHER A. DUHAMEL
 No. 5013
 REGISTERED PROFESSIONAL ENGINEER

GRADING PLAN
Scituate Highlands
 ASSESSOR'S PLAT 50 LOT 5
 SCITUATE, RHODE ISLAND

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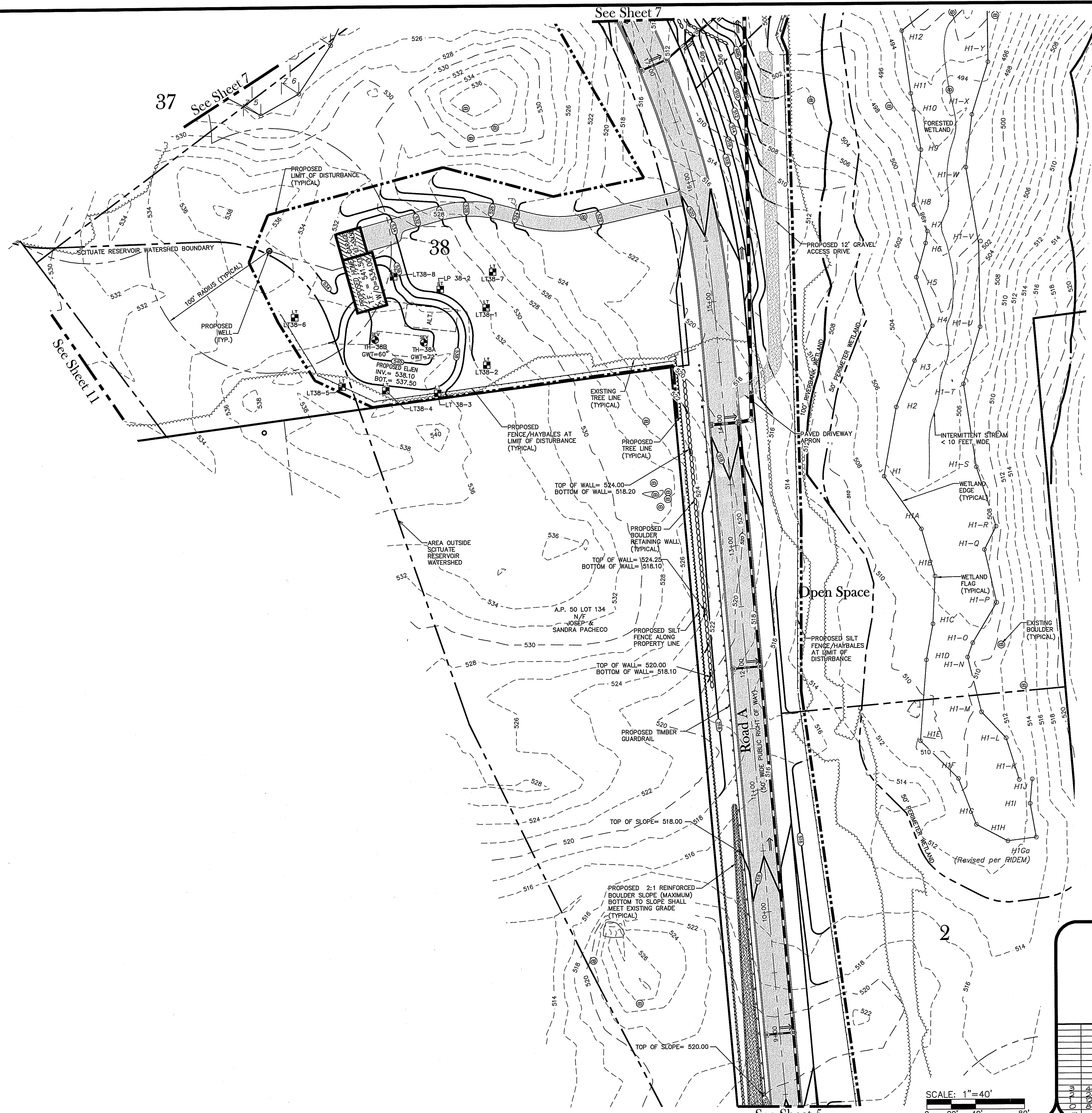
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SCALE: 1" = 40'
 0 20' 40' 80'

SHEET 5 OF 24

C:\dearora\CEA\AN\Engineers\Transfers\0681-018 Submission Set RIDEM F.W.W. Resubmission.dwg 5 Grading_4/7/2008 3:37:51 PM



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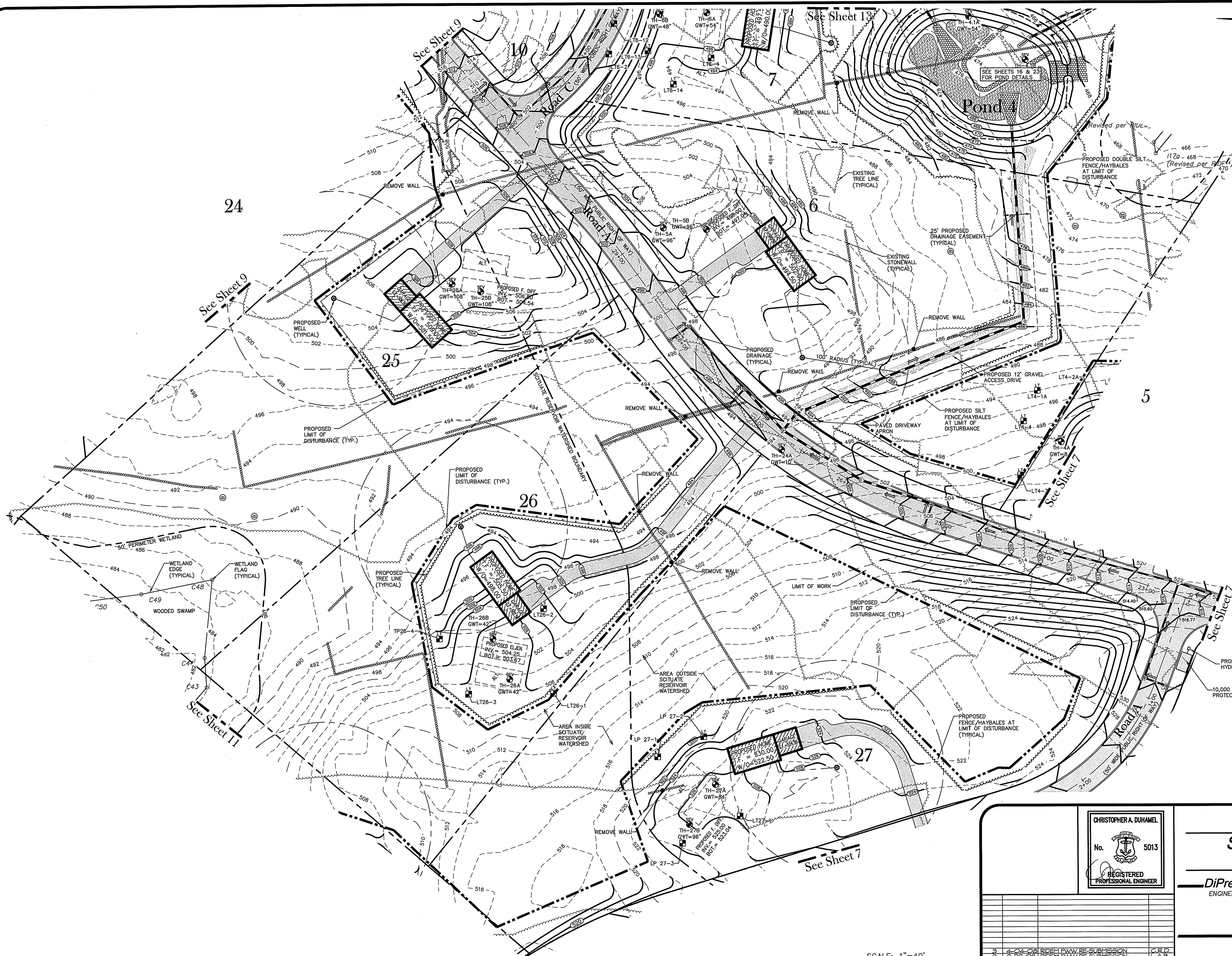
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6	8-3-07	RIDEM FWW SUBMISSION	L.A.B.
7			
8			
9			
10			

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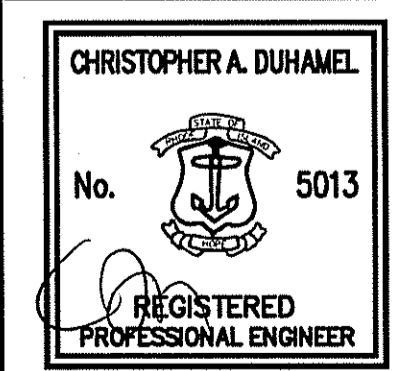


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GRADING PLAN

Scituate Highlands

ASSESSOR'S PLAT 50 LOT 5
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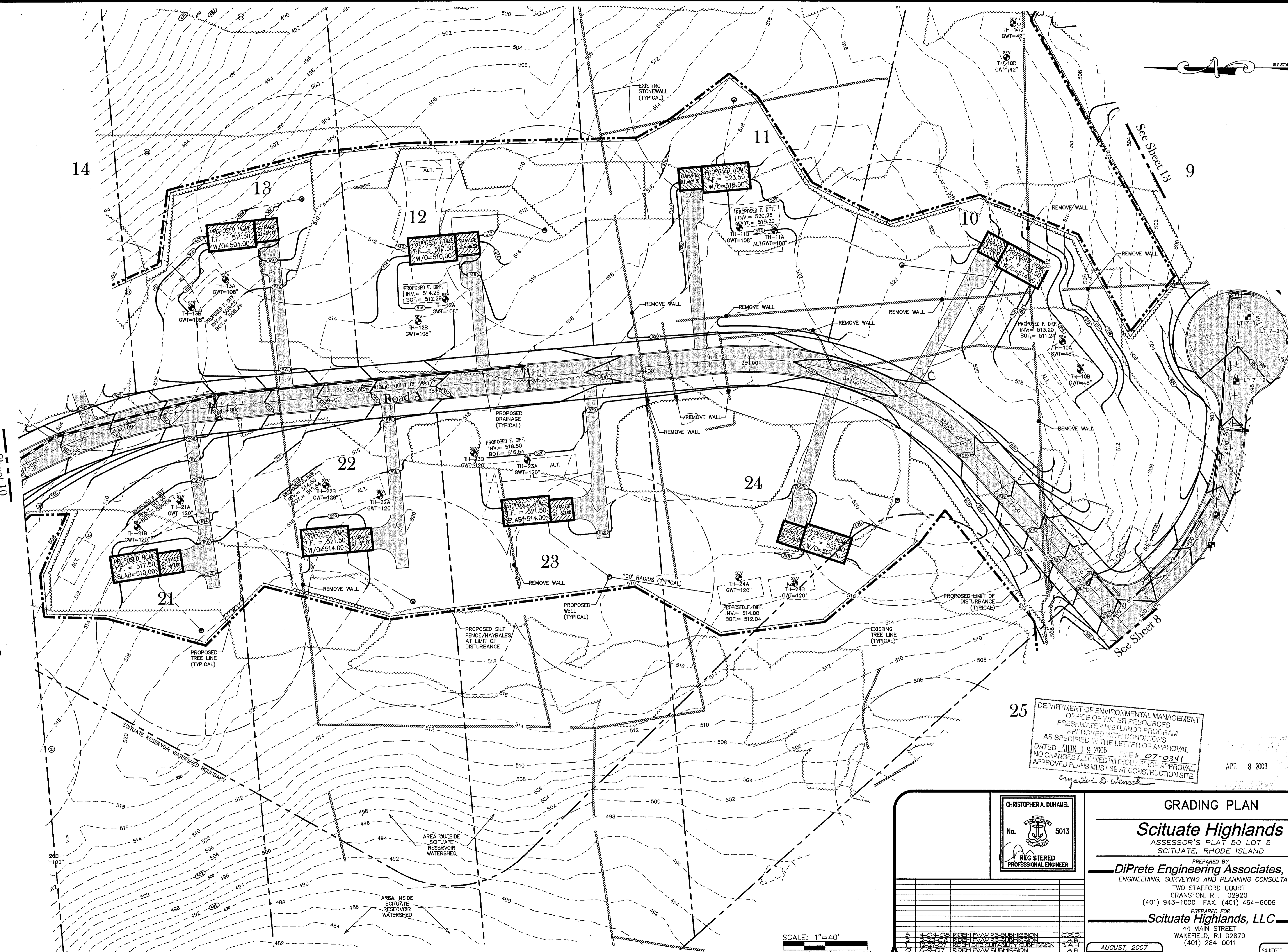
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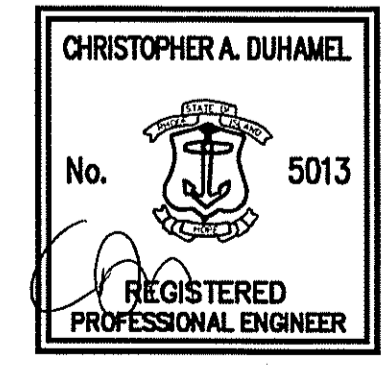
See Sheet 10

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See Sheet 8

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Scituate Highlands

ASSESSOR'S PLAT 50 LOT 5
SCITUATE, RHODE ISLAND

PREPARED BY
DiPrete Engineering Associates, Inc.

ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
TWO STAFFORD COURT
CRANSTON, R.I. 02920
(401) 943-1000 FAX: (401) 464-6006

PREPARED FOR
Scituate Highlands, LLC

44 MAIN STREET
WAKEFIELD, R.I. 02879
(401) 284-0011

SCALE: 1"=40'
0 20' 40' 80'

NO.	DATE	DESCRIPTION	BY
3	4-04-08	RIDEM P.W.W. RE-SUBMISSION	C.R.P.
2	2-22-08	RIDEM P.W.W. RE-SUBMISSION	E.A.P.
1	12-21-07	RIDEM SITE QUALITY RE-SUBMISSION	E.A.P.
0	8-6-07	RIDEM P.W.W. SUB-MISSION	E.A.P.

AUGUST, 2007
DWN. BY: E.L.T.

SHEET 9 OF 24

\\deastorage\DEA\AN\Engineers\Transfers\0681-018_Scituat Highlands D\dwg\0681-018_Submission Set RIDEM P.W.W. Resubmission.dwg, 9_Grading, 4/17/2008 3:39:25 PM

See Sheet 11

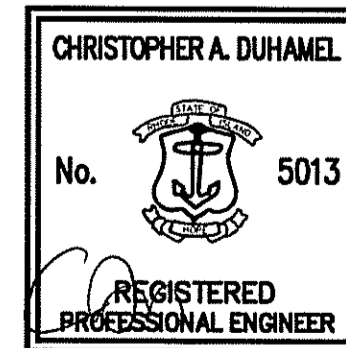


Kindly be advised that this permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUN 19 2008 FILE # 07-034
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

Christopher A. Duhamel

APR 8 2008



GRADING PLAN
Scituate Highlands
 ASSESSOR'S PLAT 50 LOT 5
 SCITUATE, RHODE ISLAND

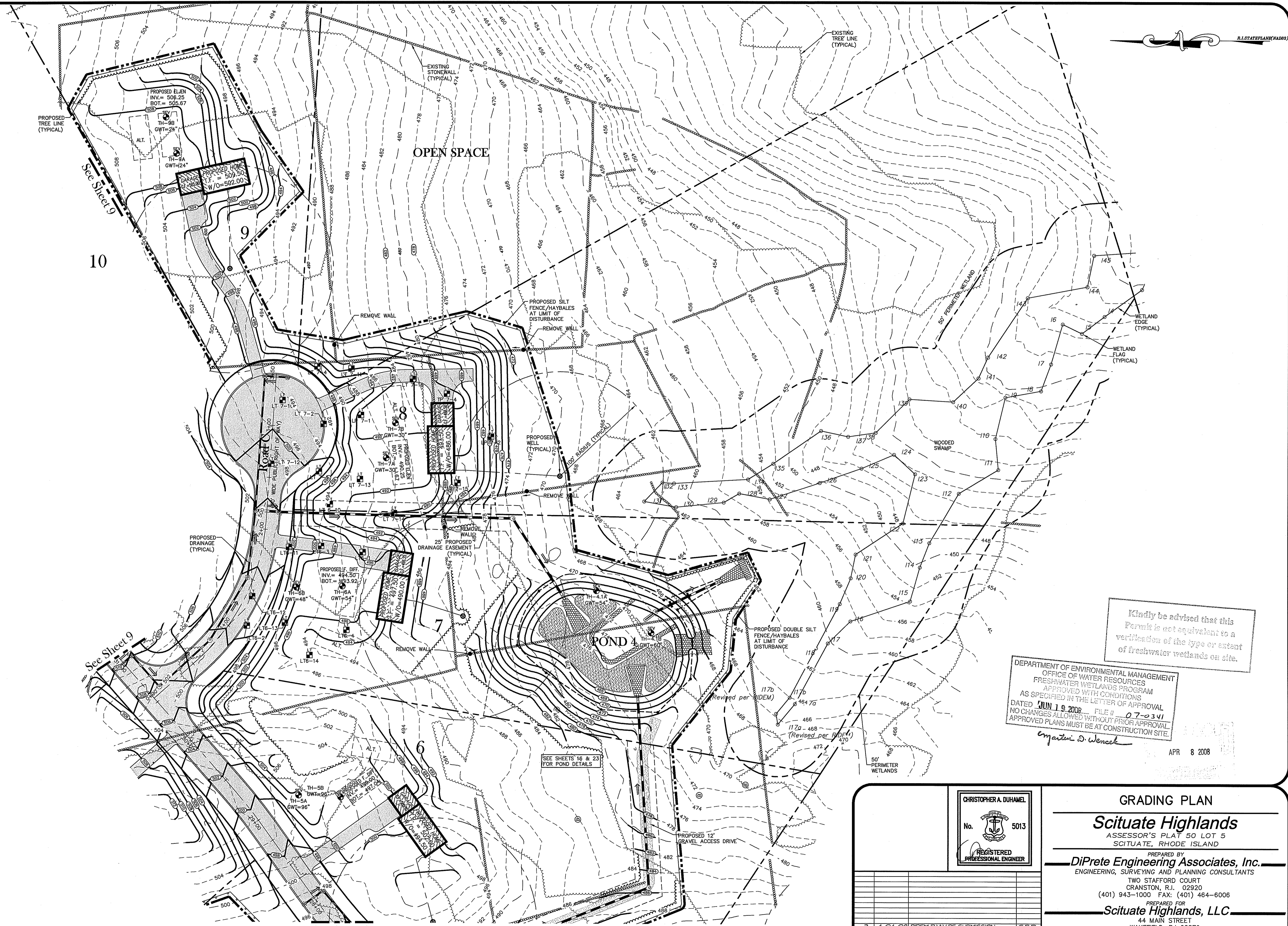
PREPARED BY
DiPrete Engineering Associates, Inc.
 ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
 TWO STAFFORD COURT
 CRANSTON, R.I. 02920
 (401) 943-1000 FAX: (401) 464-6006

PREPARED FOR
Scituate Highlands, LLC
 44 MAIN STREET
 WAKEFIELD, R.I. 02879
 (401) 284-0011

NO.	DATE	DESCRIPTION	BY
3	4-04-08	RIDEW EAWW RE-SUBMISSION	C.R.P.
2	3-22-08	RIDEW EAWW RE-SUBMISSION	L.A.B.
1	8-20-07	RIDEW EAWW SUBMISSION	L.A.B.
0	8-20-07	RIDEW EAWW SUBMISSION	L.A.B.

AUGUST, 2007
DWN. BY: E.L.T.

SHEET 12 OF 24



See Sheet 9
10

See Sheet 9

See Sheet 8

SEE SHEETS 16 & 23 FOR POND DETAILS

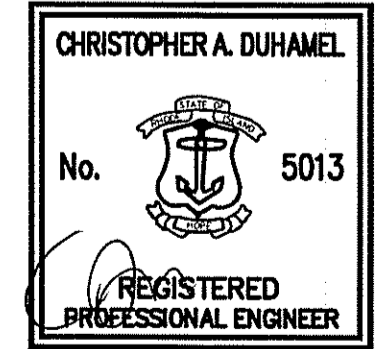
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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APPROVED WITH CONDITIONS
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DATED JUN 19 2008 FILE # 07-0341
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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Martin D. Wencel

APR 8 2008

SCALE: 1" = 40'
0 20' 40' 80'



GRADING PLAN

Scituate Highlands

ASSESSOR'S PLAT 50 LOT 5
SCITUATE, RHODE ISLAND

PREPARED BY
DiPrete Engineering Associates, Inc.

ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
TWO STAFFORD COURT
CRANSTON, R.I. 02920
(401) 943-1000 FAX: (401) 464-6006

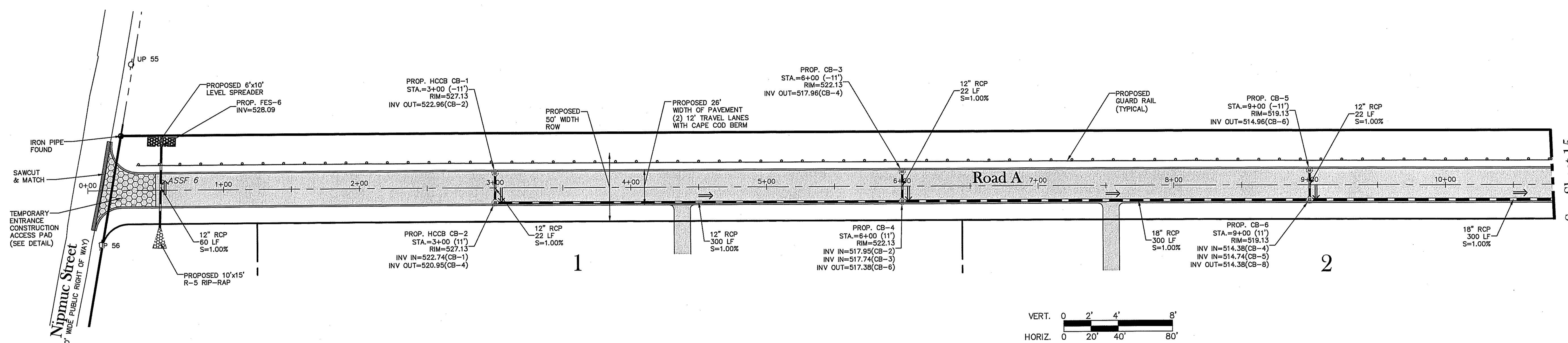
PREPARED FOR
Scituate Highlands, LLC

44 MAIN STREET
WAKEFIELD, R.I. 02879
(401) 284-0011

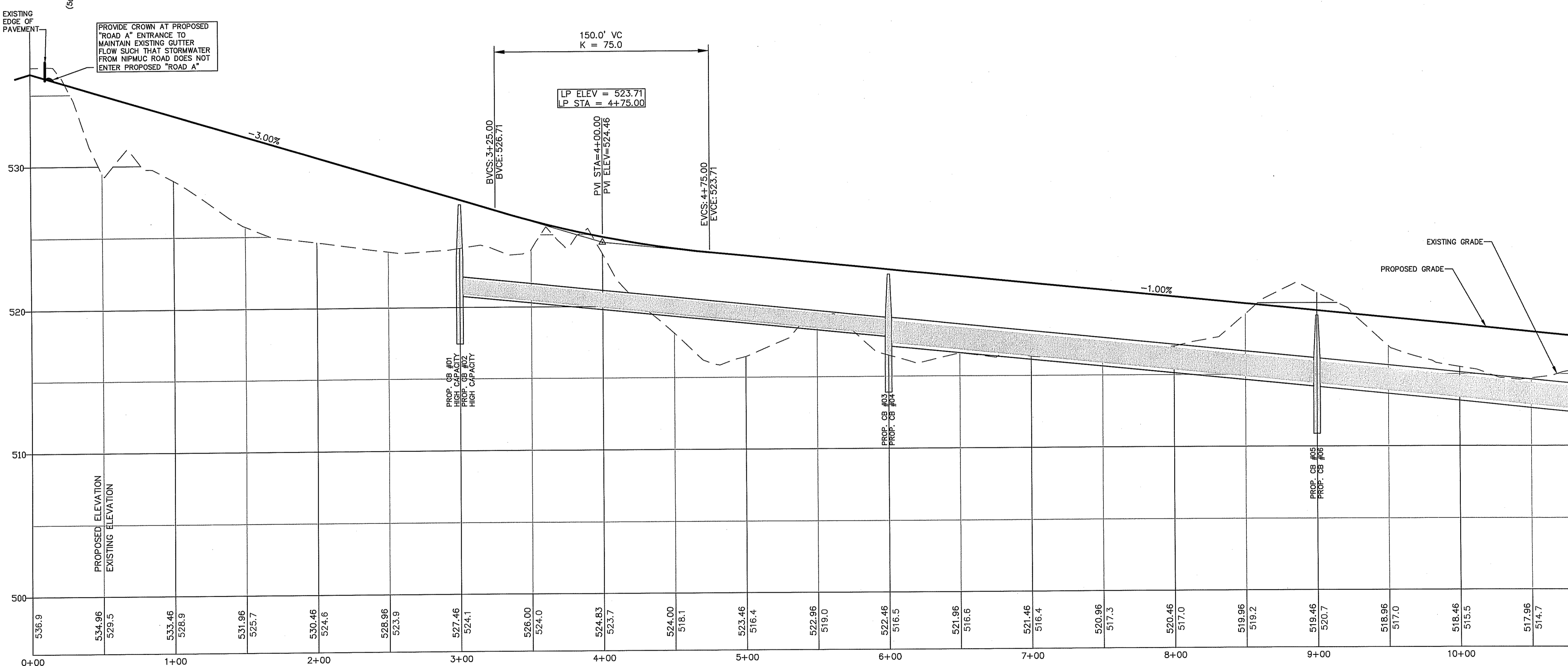
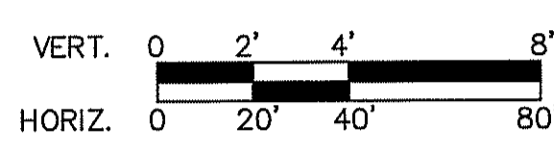
AUGUST, 2007
DWN. BY: E.L.T.

SHEET 13 OF 24

NO.	DATE	DESCRIPTION	BY
3	4-04-08	RIDEM FWW RE-SUBMISSION	C.R.P.
2	12-27-07	RIDEM FWW RE-SUBMISSION	E.A.P.
1	08-07-07	RIDEM FWW SUBMISSION	E.L.T.
0	08-07-07	RIDEM FWW SUBMISSION	E.L.T.



See Sheet 15



APR 8 2008

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WETLANDS PROGRAM
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUN 19 2008 FILE # 07-034
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.
Christopher D. Wenzel

CHRISTOPHER A. DUHAMEL
No. 5013
REGISTERED PROFESSIONAL ENGINEER

PLAN & PROFILE (STA: 0+00-10+50)

Scituate Highlands

ASSESSOR'S PLAT 50 LOT 5
SCITUATE, RHODE ISLAND

PREPARED BY
DiPrete Engineering Associates, Inc.
ENGINEERING, SURVEYING AND PLANNING CONSULTANTS

TWO STAFFORD COURT
CRANSTON, R.I. 02920
(401) 943-1000 FAX: (401) 464-6006

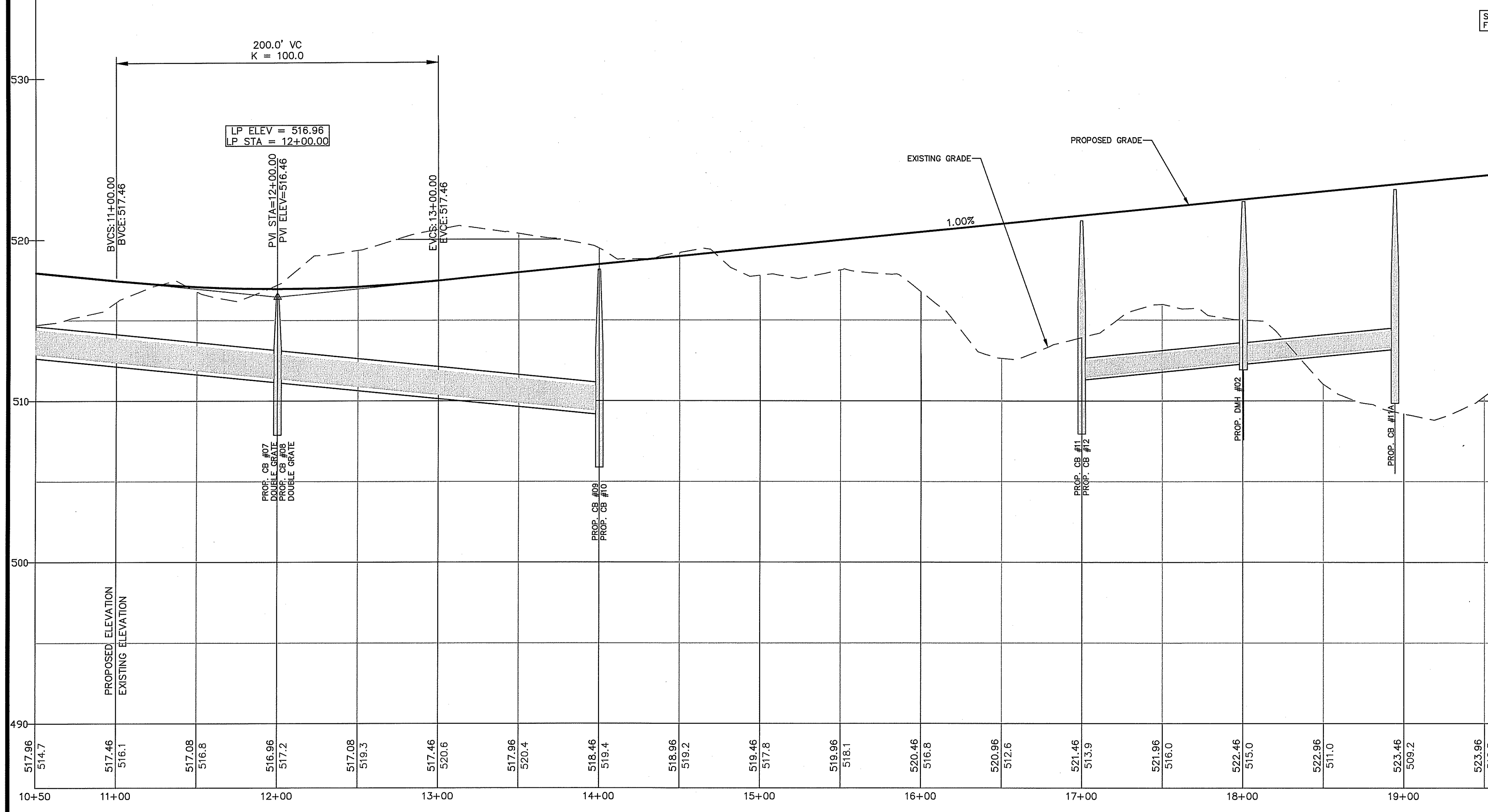
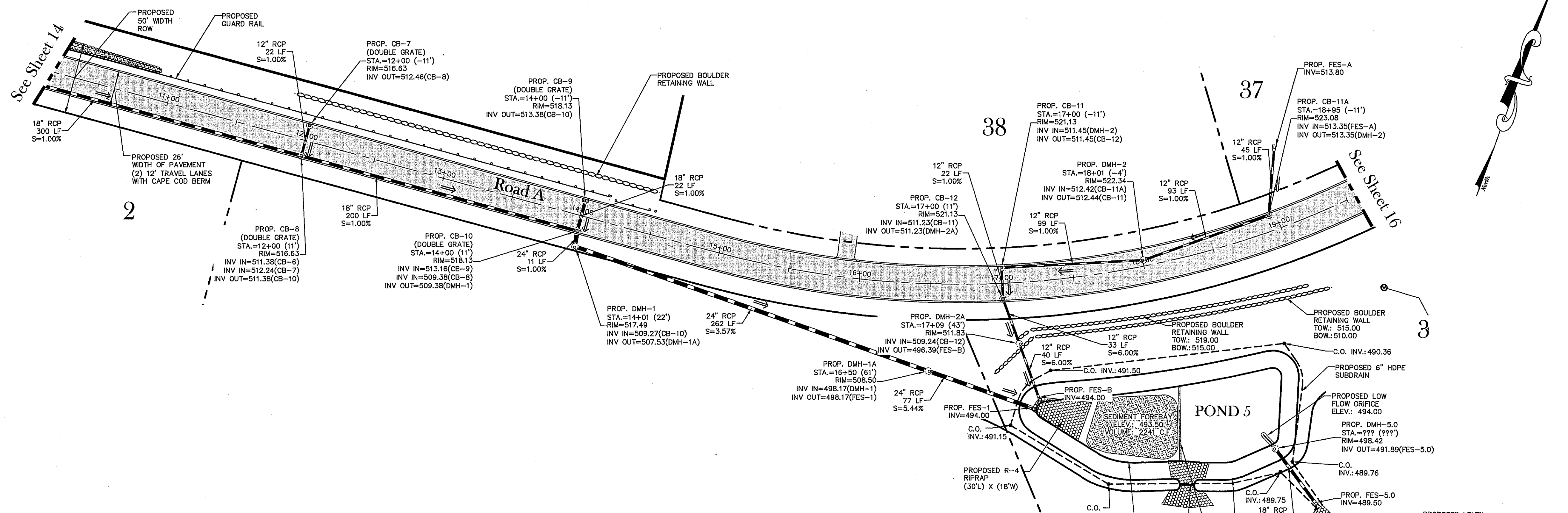
PREPARED FOR
Scituate Highlands, LLC

44 MAIN STREET
WAKEFIELD, R.I. 02879
(401) 284-0011

AUGUST, 2007
DWN. BY: E.L.T.

SHEET 14 OF 24

No.	DATE	DESCRIPTION	BY
3	4-04-08	RIDEW FWW RE-SUBMISSION	C.E.D.
2	3-27-08	RIDEW FWW RE-SUBMISSION	C.E.D.
1	8-29-07	RIDEW SITE SUITABILITY SUBMISSION	B.A.L.
0	8-29-07	RIDEW FWW SUBMISSION	L.A.B.



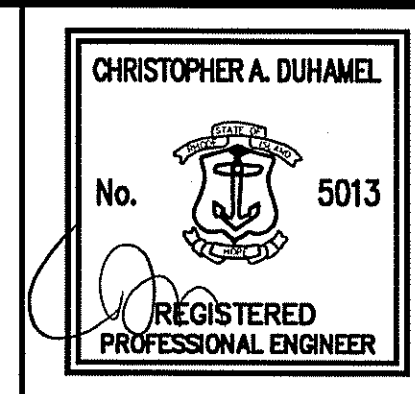
SEE SHEET 23 FOR POND DETAILS

VERT. 0 2' 4' 8'
HORIZ. 0 20' 40' 80'

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
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DATED JUN 19 2008 FILE # 07-0341
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APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

Christopher D. Wenck

APR 8 2008



PLAN & PROFILE (STA: 10+50-19+50)

Scituate Highlands
ASSESSOR'S PLAT 50 LOT 5
SCITUATE, RHODE ISLAND

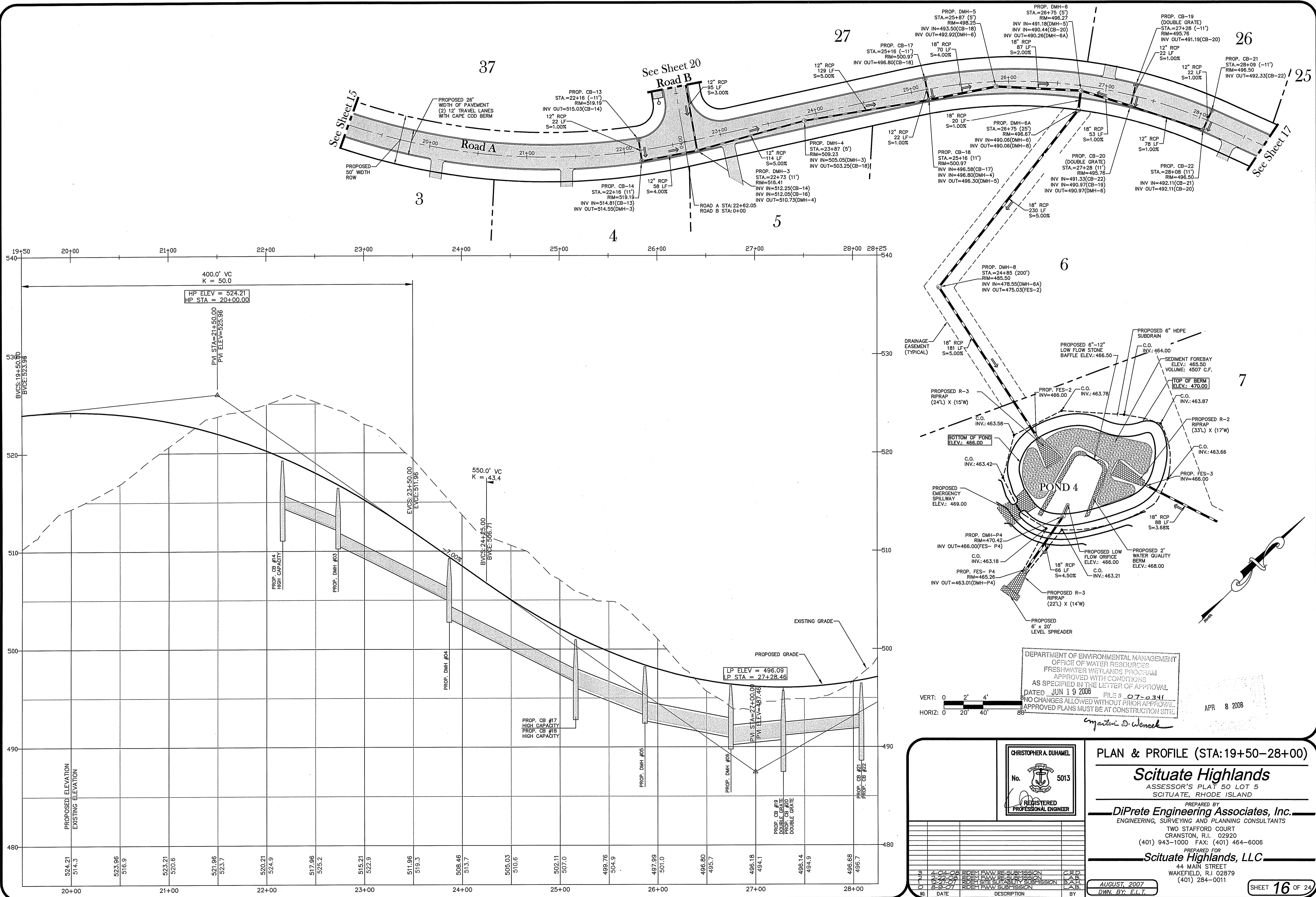
PREPARED BY
DiPrete Engineering Associates, Inc.
ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
TWO STAFFORD COURT
CRANSTON, R.I. 02920
(401) 943-1000 FAX: (401) 464-6006

PREPARED FOR
Scituate Highlands, LLC
44 MAIN STREET
WAKEFIELD, R.I. 02879
(401) 284-0011

AUGUST, 2007
DWN. BY: E.L.T.

SHEET 15 OF 24

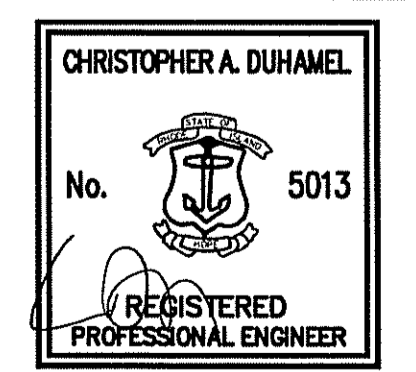
NO.	DATE	DESCRIPTION	BY
3	4-04-08	RIDEM FWW RE-SUBMISSION	C.R.P.
2	2-27-08	RIDEM FWW RE-SUBMISSION	B.A.P.
1	8-27-07	RIDEM FWW RE-SUBMISSION	L.A.B.
0	8-27-07	RIDEM FWW SUBMISSION	L.A.B.



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
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 APPROVED WETLANDS PROGRAM
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APR 8 2008

Christopher S. Weneck



PLAN & PROFILE (STA: 19+50-28+00)

Scituate Highlands
 ASSESSOR'S PLAT 50 LOT 5
 SCITUATE, RHODE ISLAND

PREPARED BY
DiPrete Engineering Associates, Inc.
 ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
 TWO STAFFORD COURT
 CRANSTON, R.I. 02920
 (401) 943-1000 FAX: (401) 464-6006

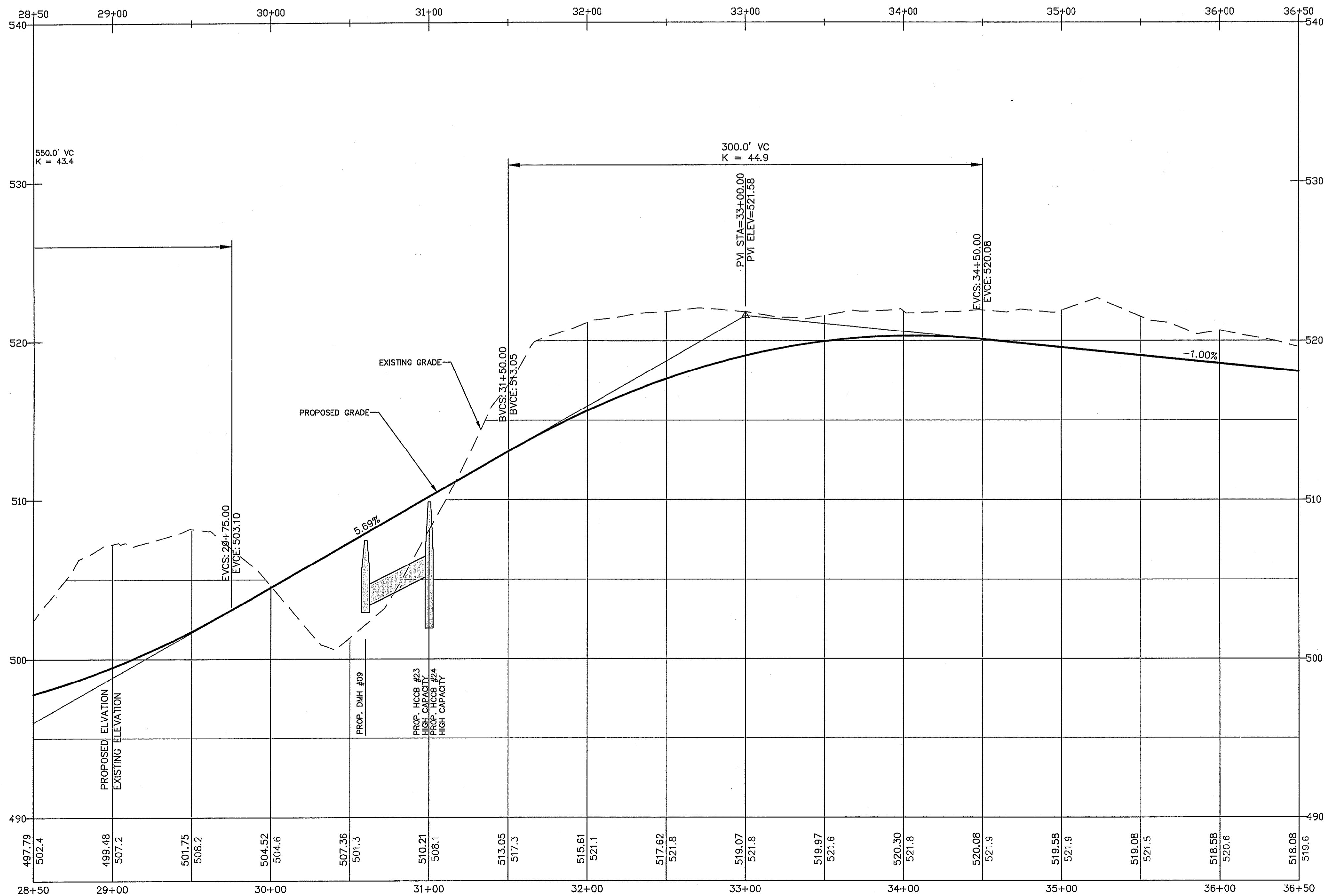
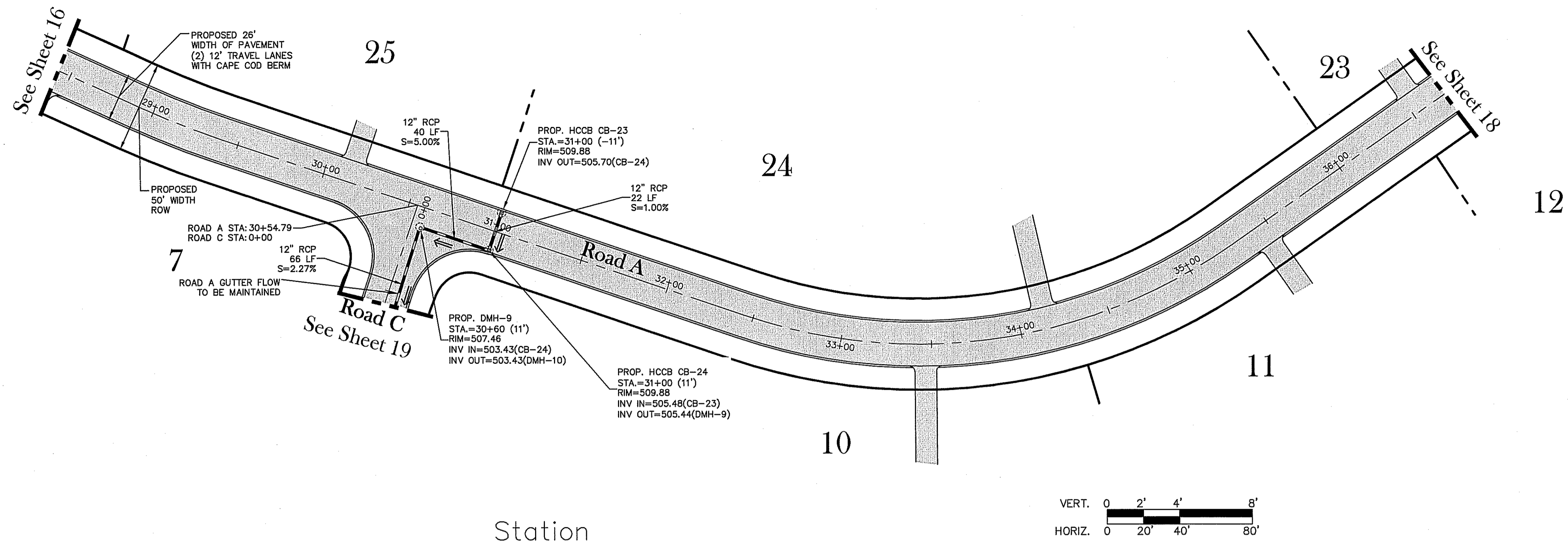
PREPARED FOR
Scituate Highlands, LLC
 44 MAIN STREET
 WAKEFIELD, R.I. 02879
 (401) 284-0011

AUGUST, 2007
 DWN. BY: E.L.T.

SHEET 16 OF 24

NO.	DATE	DESCRIPTION	BY
1	4-04-07	RIDE1 P.W.W. SUBMISSION	C.R.P.
2	4-22-07	RIDE1 P.W.W. SUBMISSION	C.A.S.
3	12-27-07	RIDE1 SITE UTILITY SUBMISSION	B.A.H.
4	8-30-07	RIDE1 P.W.W. SUBMISSION	L.A.B.

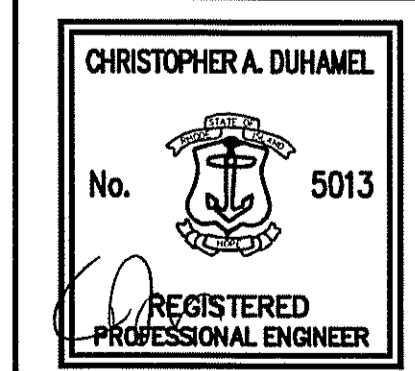
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUN 19 2008 FILE # 07-034
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

Christopher D. Wencel

APR 8 2008



PLAN & PROFILE (STA: 28+00-36+50)

Scituate Highlands
ASSESSOR'S PLAT 50 LOT 5
SCITUATE, RHODE ISLAND

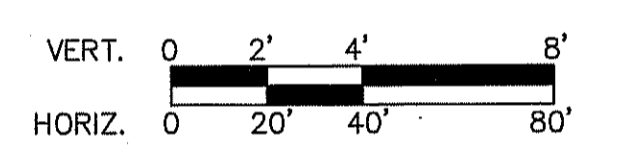
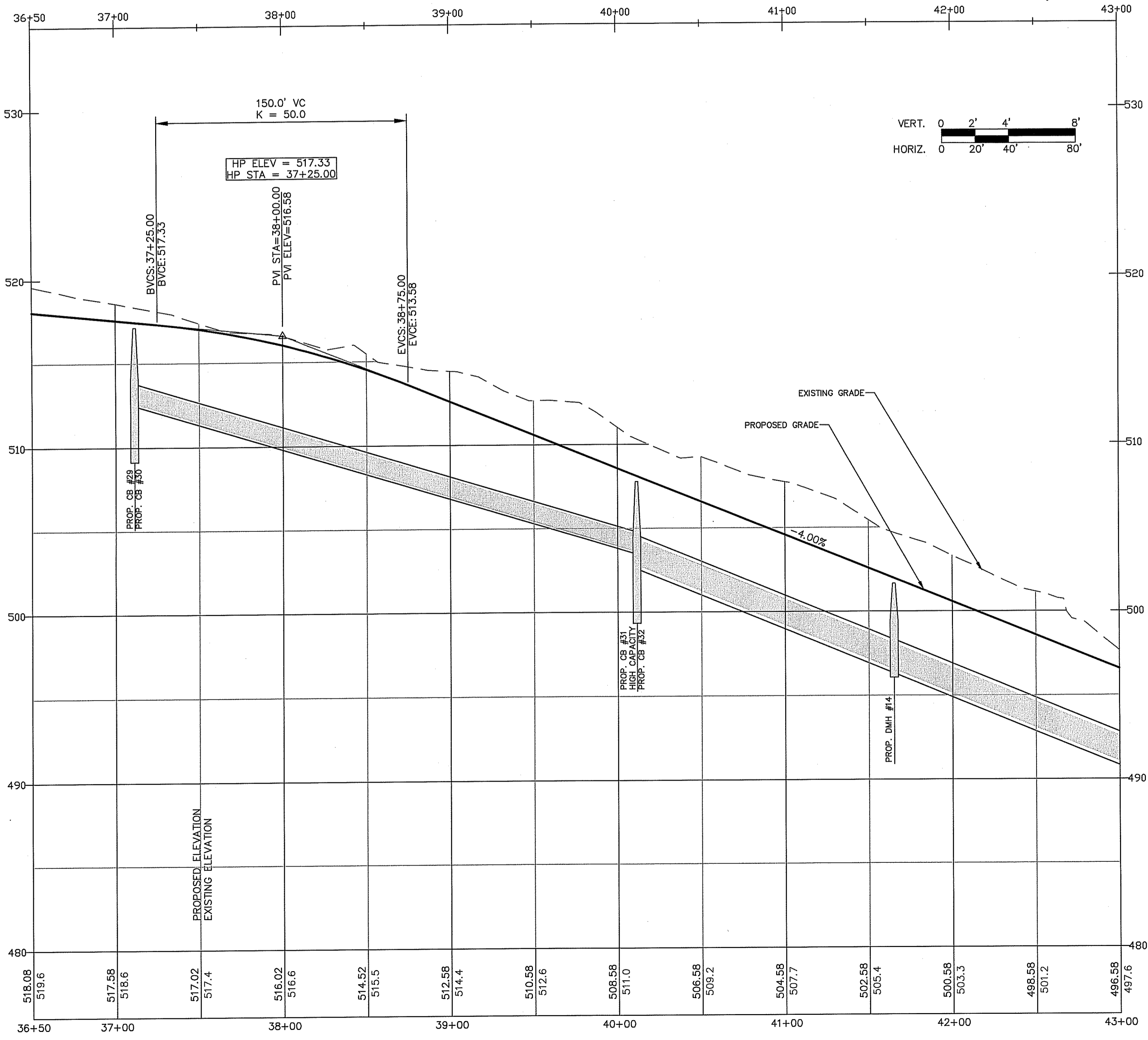
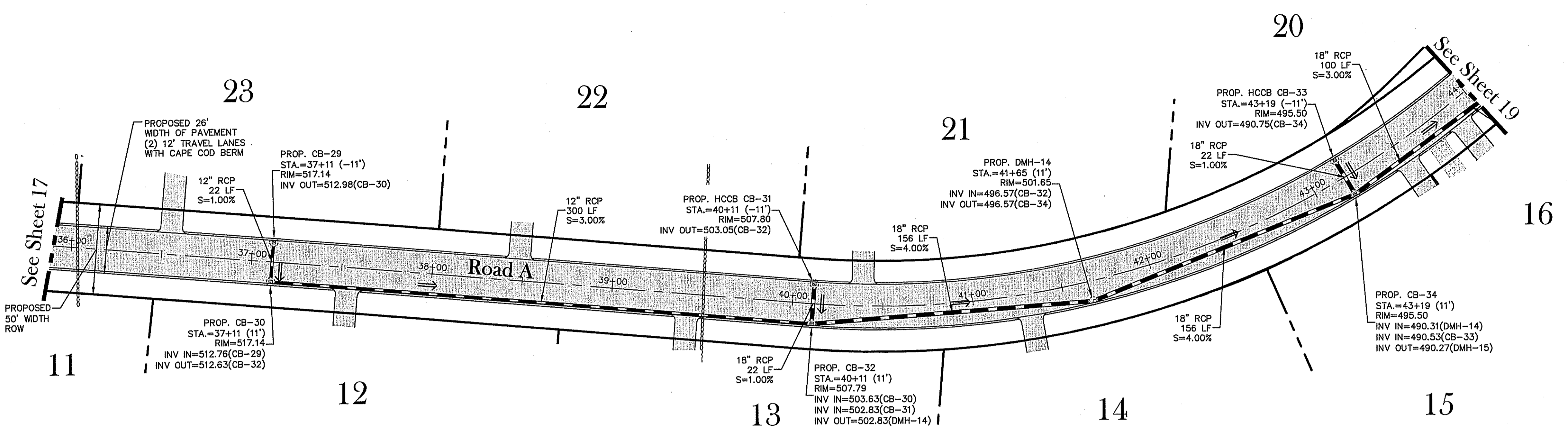
PREPARED BY
DiPrete Engineering Associates, Inc.
ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
TWO STAFFORD COURT
CRANSTON, R.I. 02920
(401) 943-1000 FAX: (401) 464-6006

PREPARED FOR
Scituate Highlands, LLC
44 MAIN STREET
WAKEFIELD, R.I. 02879
(401) 284-0011

NO.	DATE	DESCRIPTION	BY
3	4-02-08	RIDEEM FWW RE-SUBMISSION	C.R.P.
2	2-22-08	RIDEEM FWW RE-SUBMISSION	L.A.B.
1	10-27-07	RIDEEM SITE SUITABILITY SUBMISSION	L.A.B.
0	8-9-07	RIDEEM FWW SUBMISSION	L.A.B.

AUGUST 2007
DWN. BY: E.L.T.

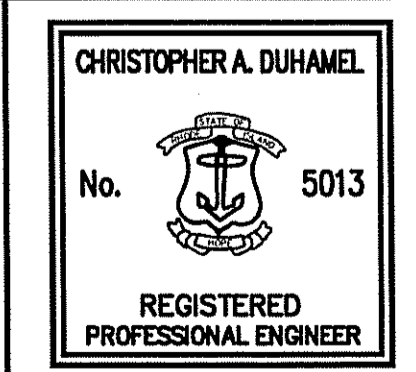
SHEET 17 OF 24



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
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 AS SPECIFIED IN THE LETTER OF APPROVAL
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Matthew D. Wencel

APR 8 2008



PLAN & PROFILE (STA: 36+50-43+00)
Scituate Highlands
 ASSESSOR'S PLAT 50 LOT 5
 SCITUATE, RHODE ISLAND

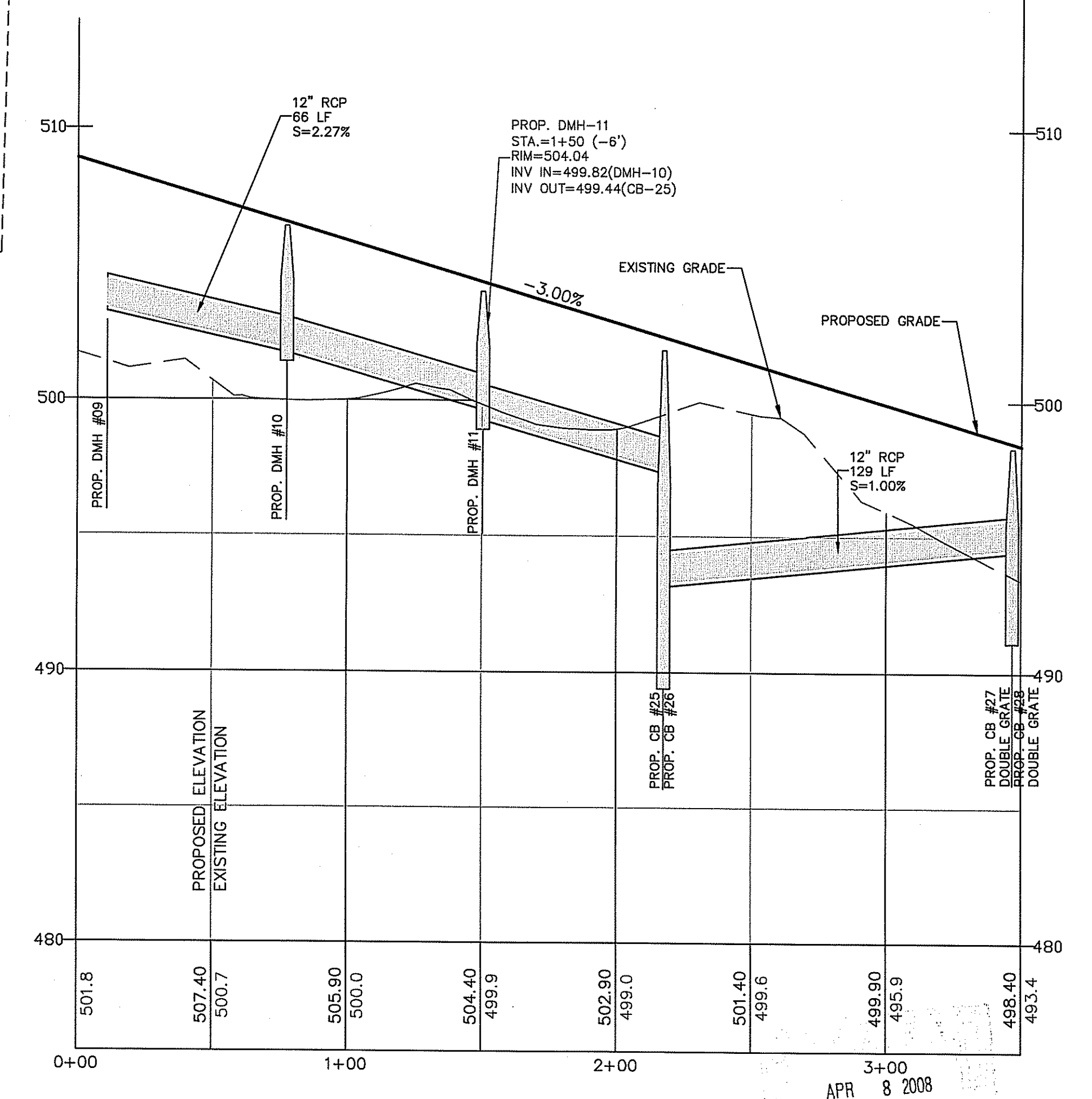
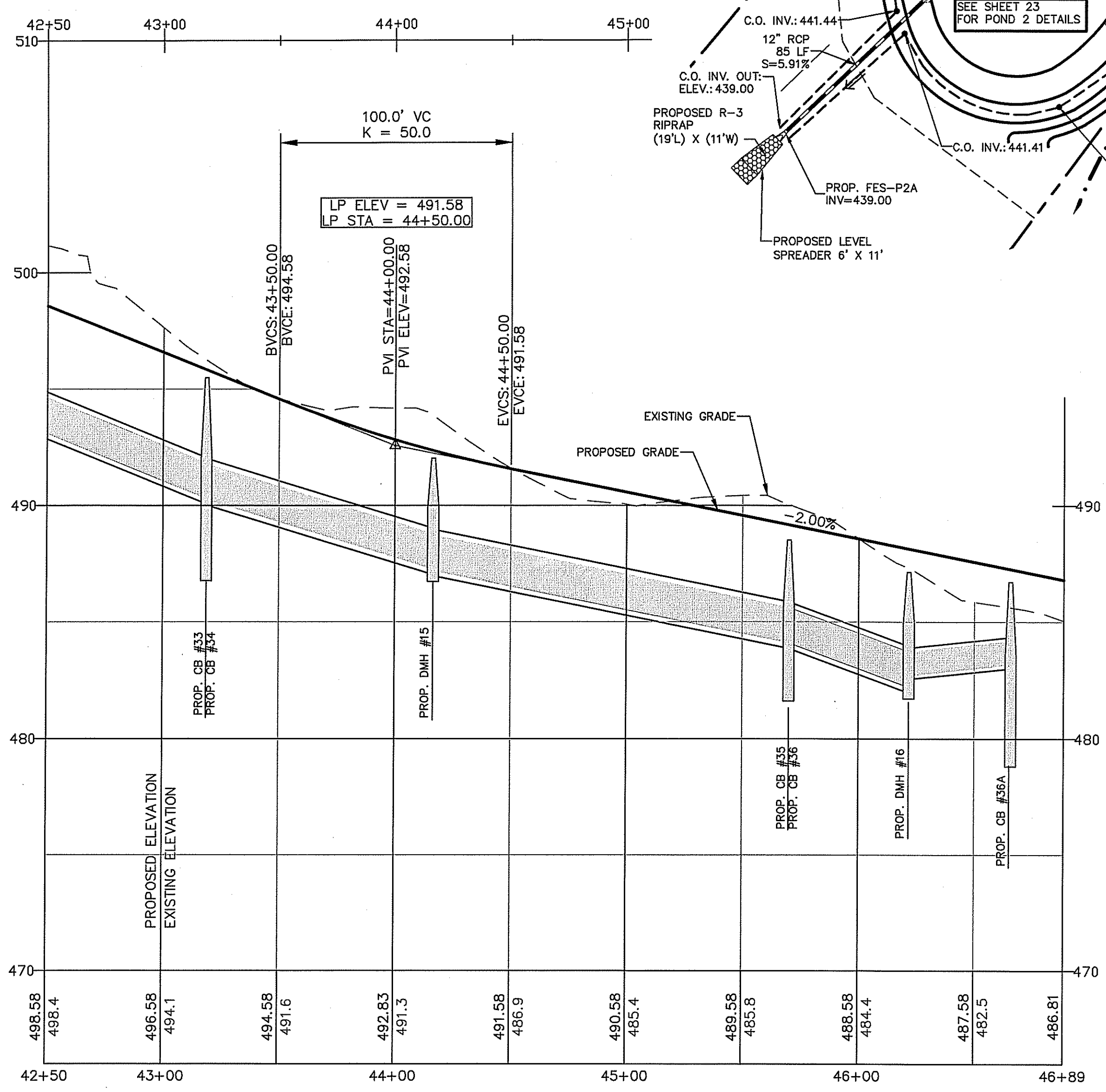
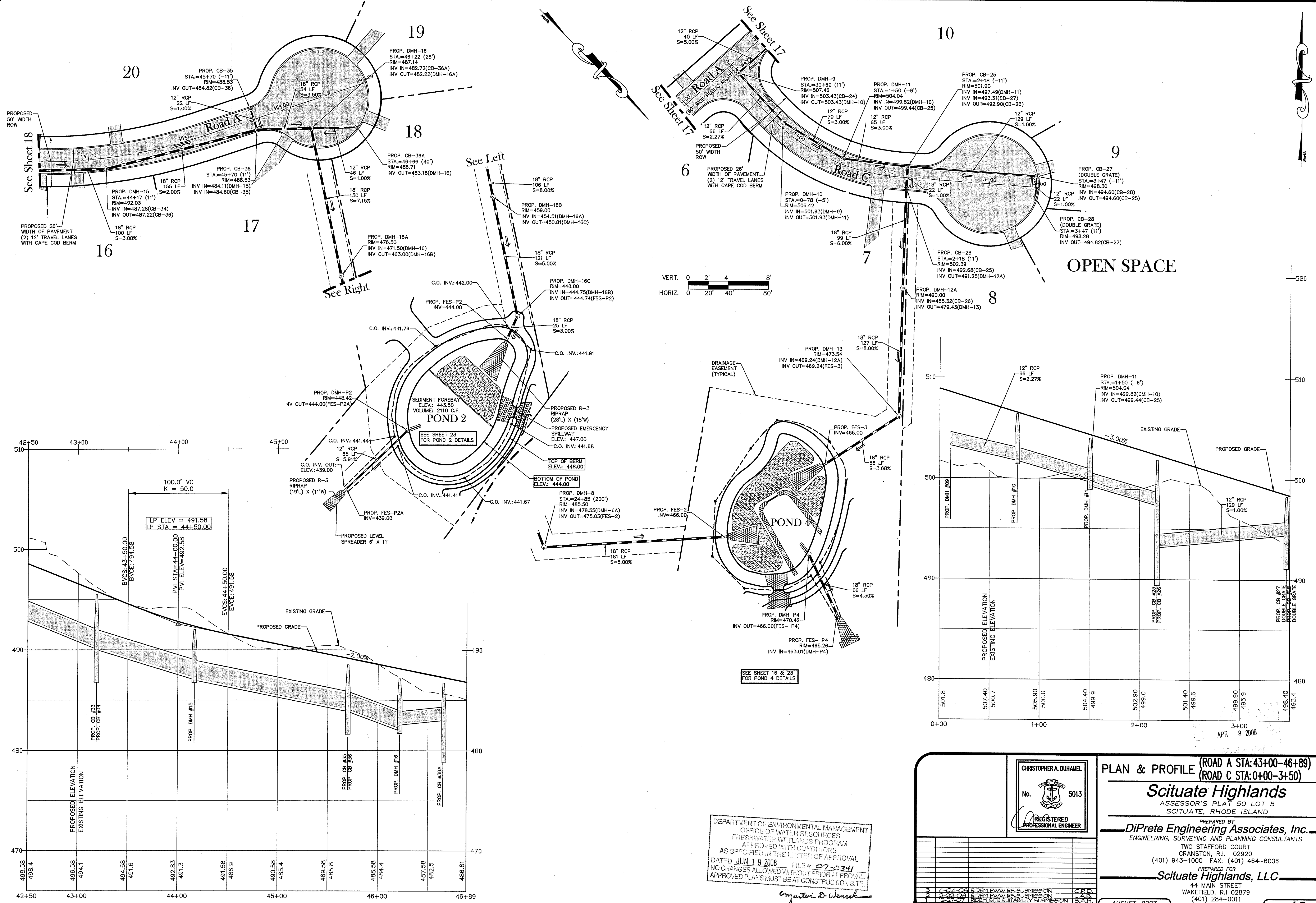
PREPARED BY
DiPrete Engineering Associates, Inc.
 ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
 TWO STAFFORD COURT
 CRANSTON, R.I. 02920
 (401) 943-1000 FAX: (401) 464-6006

PREPARED FOR
Scituate Highlands, LLC
 44 MAIN STREET
 WAKEFIELD, R.I. 02879
 (401) 284-0011

AUGUST 2007
 DWN BY: E.L.T.

SHEET 18 OF 24

No.	DATE	DESCRIPTION	BY
3	4-04-08	RIEPT FVAV RE-SUBMISSION	C.R.D.
2	3-22-08	RIEPT FVAV RE-SUBMISSION	L.A.S.
1	6-27-07	RIEPT SITE UTILITY SUBMISSION	B.A.H.
0	8-3-07	RIEPT FVAV SUBMISSION	L.A.S.



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Christopher D. Wencel

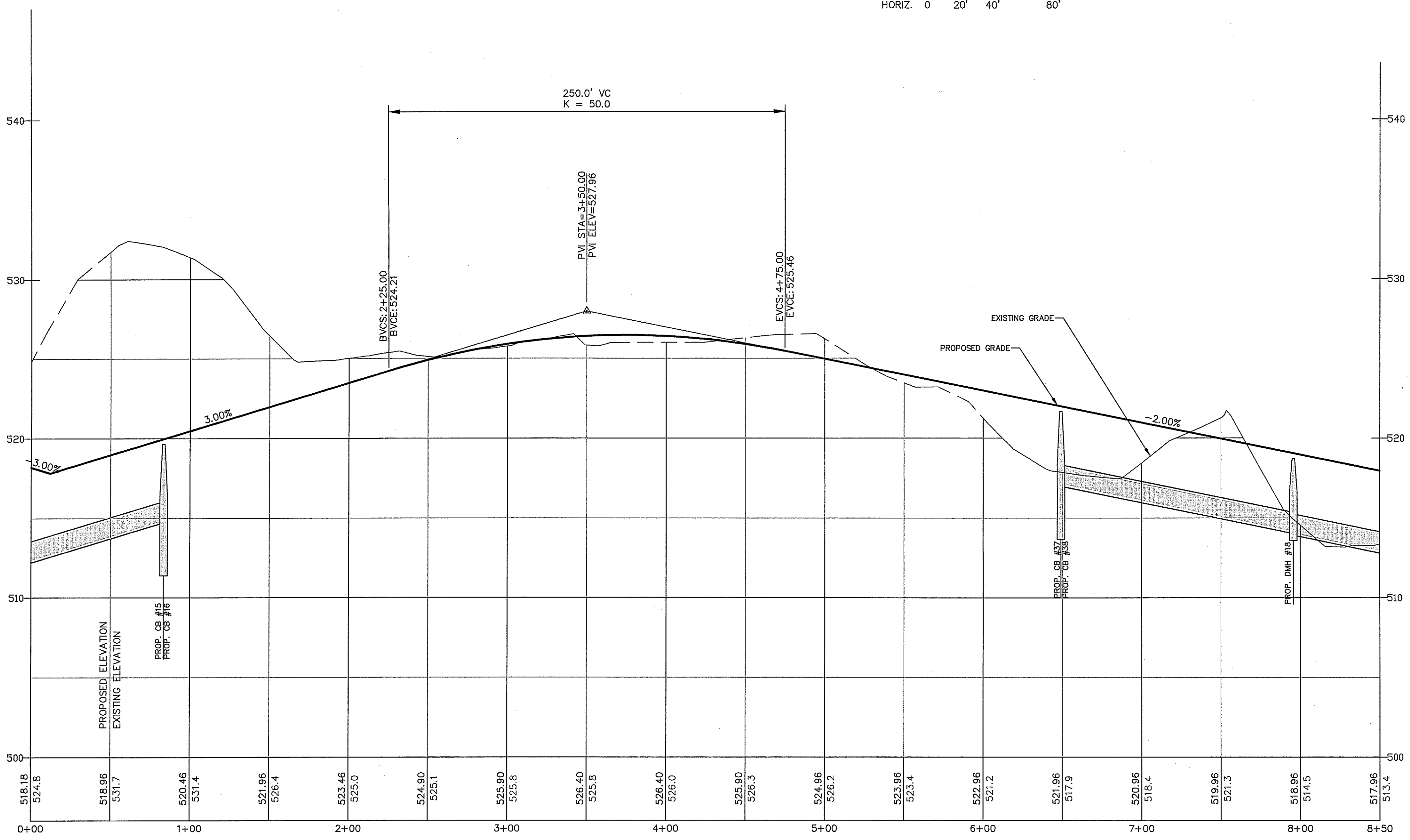
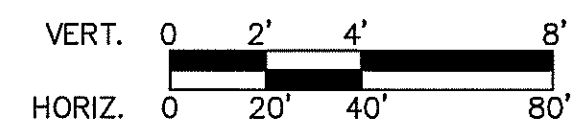
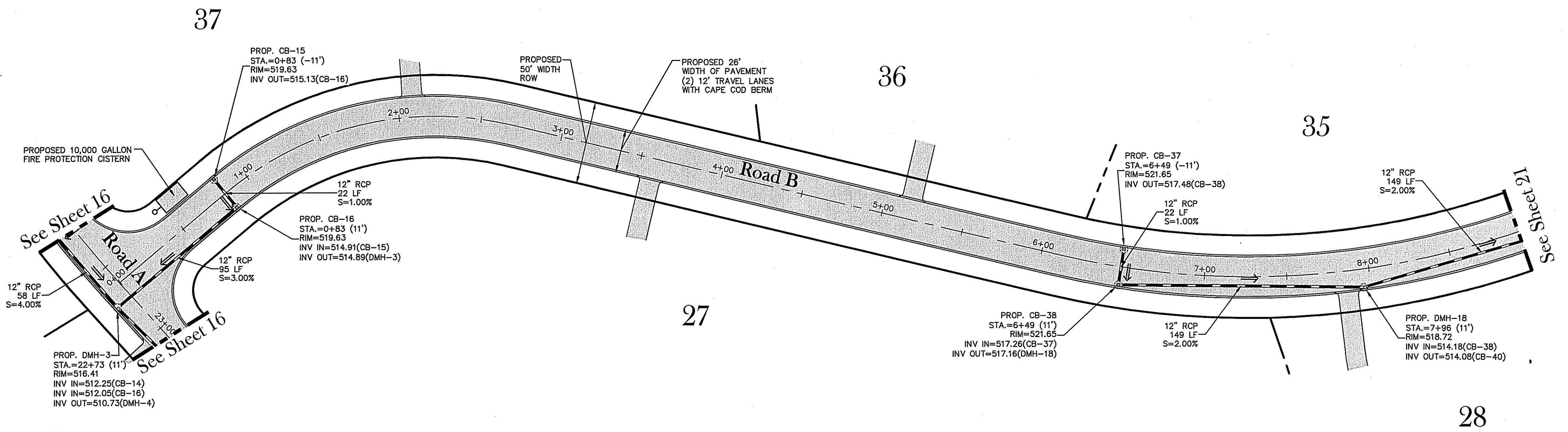
CHRISTOPHER A. DUHAMEL
 No. 5013
 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	DESCRIPTION	BY
3	4-04-08	REVISION FWW RE-SUBMISSION	C.R.D.
2	2-22-08	REVISION FWW RE-SUBMISSION	B.A.B.
1	8-31-07	REVISION FWW RE-SUBMISSION	B.A.B.
0	8-9-07	REVISION FWW SUBMISSION	B.A.B.

PLAN & PROFILE (ROAD A STA: 43+00-46+89)
(ROAD C STA: 0+00-3+50)
Scituate Highlands
 ASSESSOR'S PLAT 50 LOT 5
 SCITUATE, RHODE ISLAND
 PREPARED BY
DiPrete Engineering Associates, Inc.
 ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
 TWO STAFFORD COURT
 CRANSTON, R.I. 02920
 (401) 943-1000 FAX: (401) 464-6006
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Scituate Highlands, LLC
 44 MAIN STREET
 WAKEFIELD, R.I. 02879
 (401) 284-0011

AUGUST, 2007
 DWN. BY: E.L.T.

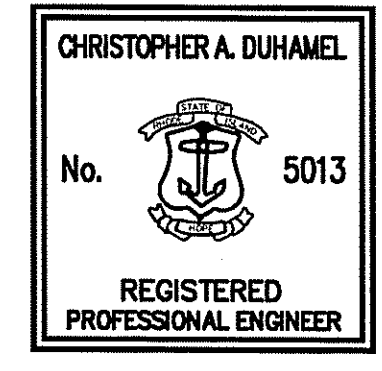
SHEET 19 OF 24



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Christopher A. Duhamel

APR 8 2008



PLAN & PROFILE (STA: 0+00-8+00)

Scituate Highlands

ASSESSOR'S PLAT 50 LOT 5
 SCITUATE, RHODE ISLAND

DiPrete Engineering Associates, Inc.

ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
 TWO STAFFORD COURT
 CRANSTON, R.I. 02920
 (401) 943-1000 FAX: (401) 464-6006

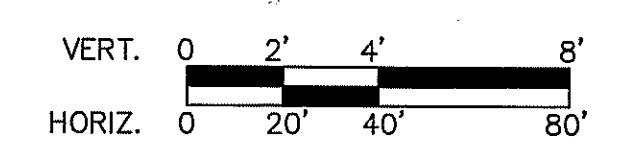
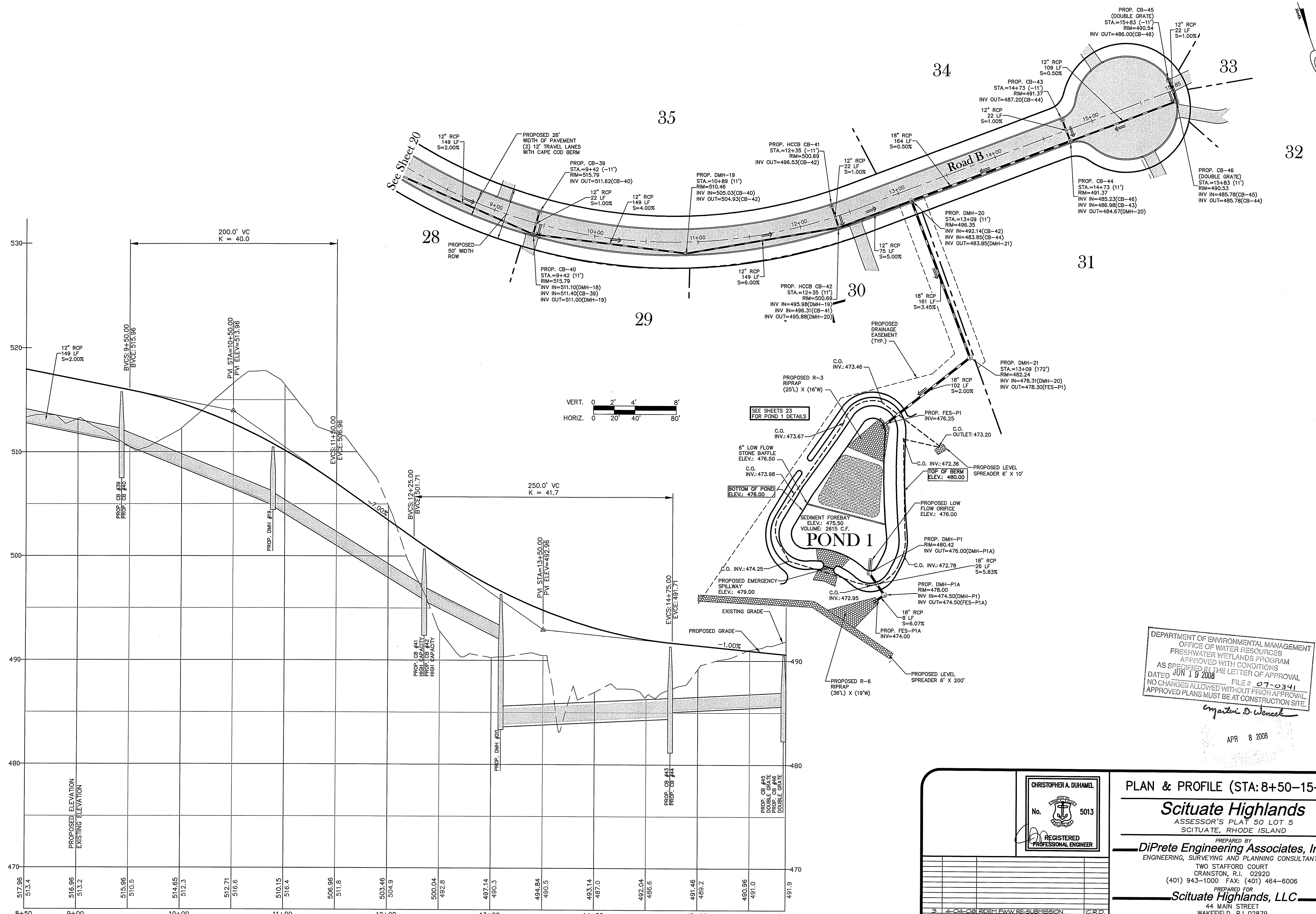
Scituate Highlands, LLC

44 MAIN STREET
 WAKEFIELD, R.I. 02879
 (401) 284-0011

AUGUST, 2007
 DWN. BY: E.L.T.

SHEET 20 OF 24

NO.	DATE	DESCRIPTION	BY
3	4-04-08	RIDE1 EWW RE-SUBMISSION	C.R.P.
2	2-27-08	RIDE1 EWW SUBMISSION	B.A.P.
1	8-3-07	RIDE1 SITE SUITABILITY SUBMISSION	L.A.B.
0	8-3-07	RIDE1 EWW SUBMISSION	L.A.B.



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
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Christopher D. Wencel

APR 8 2008

CHRISTOPHER A. DUHAMEL
 No. 5013
 REGISTERED PROFESSIONAL ENGINEER

PLAN & PROFILE (STA: 8+50-15+85)

Scituate Highlands

ASSESSOR'S PLAT 50 LOT 5
 SCITUATE, RHODE ISLAND

PREPARED BY
DiPrete Engineering Associates, Inc.

ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
 TWO STAFFORD COURT
 CRANSTON, R.I. 02920
 (401) 943-1000 FAX: (401) 464-6006

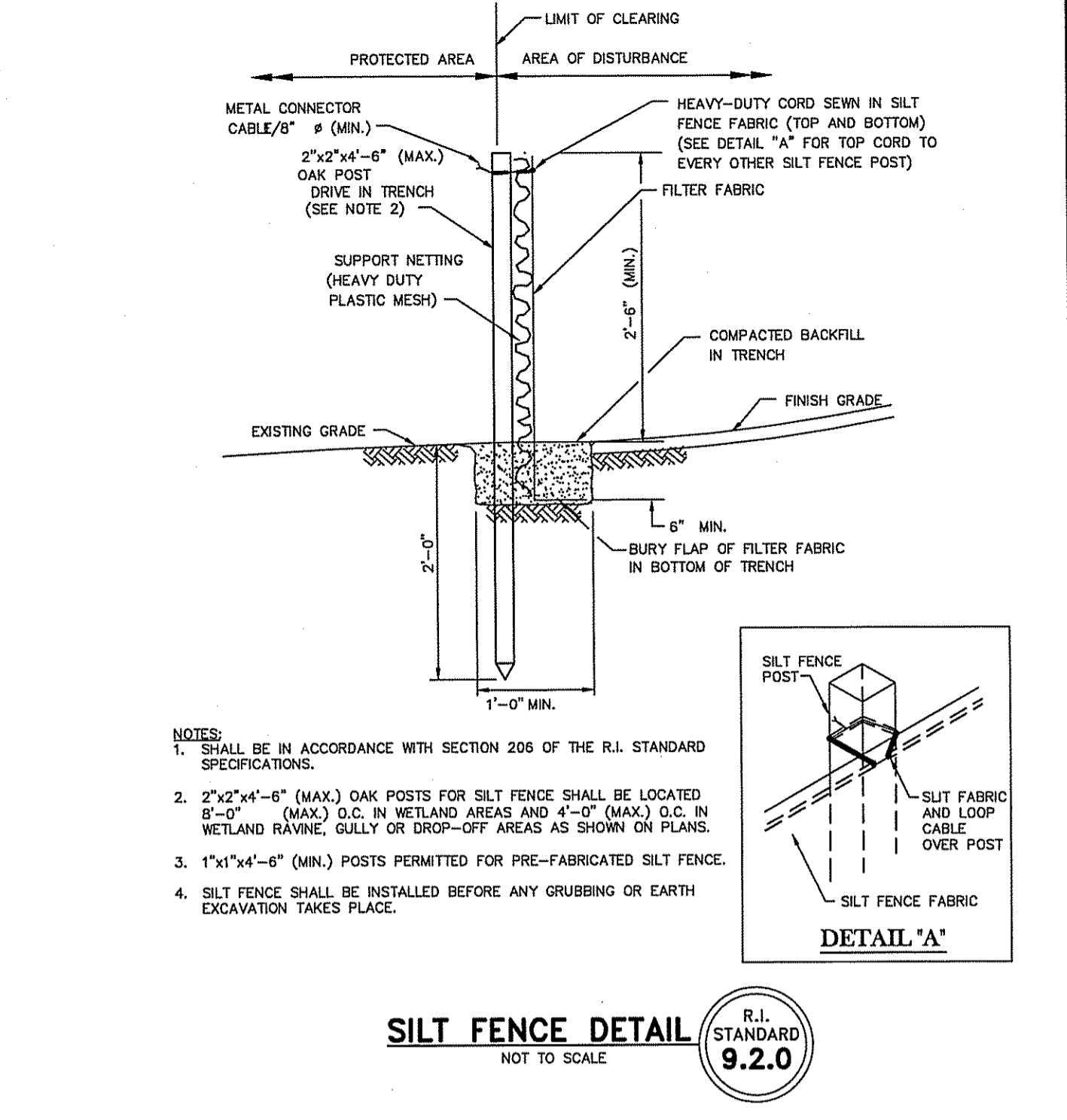
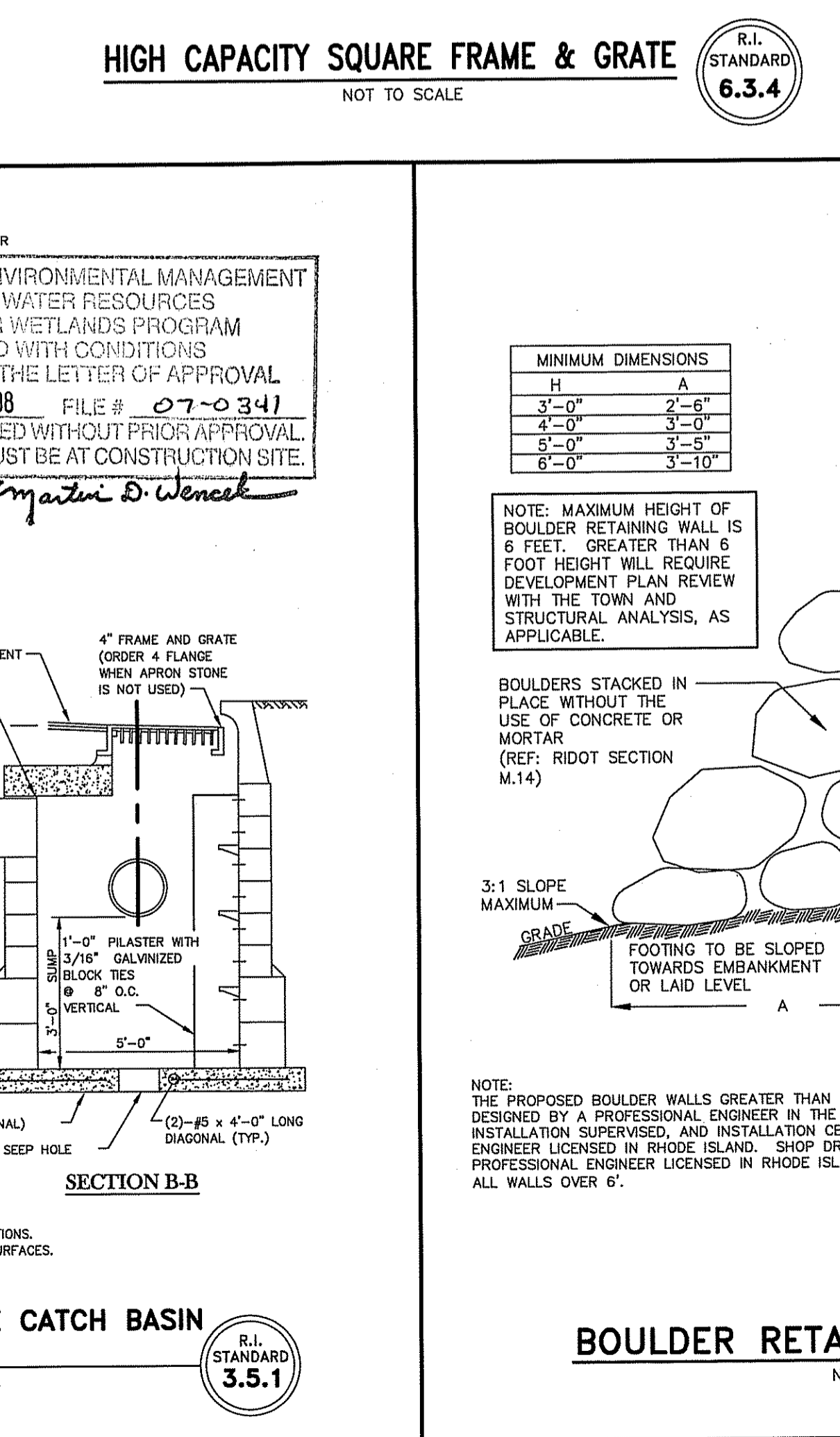
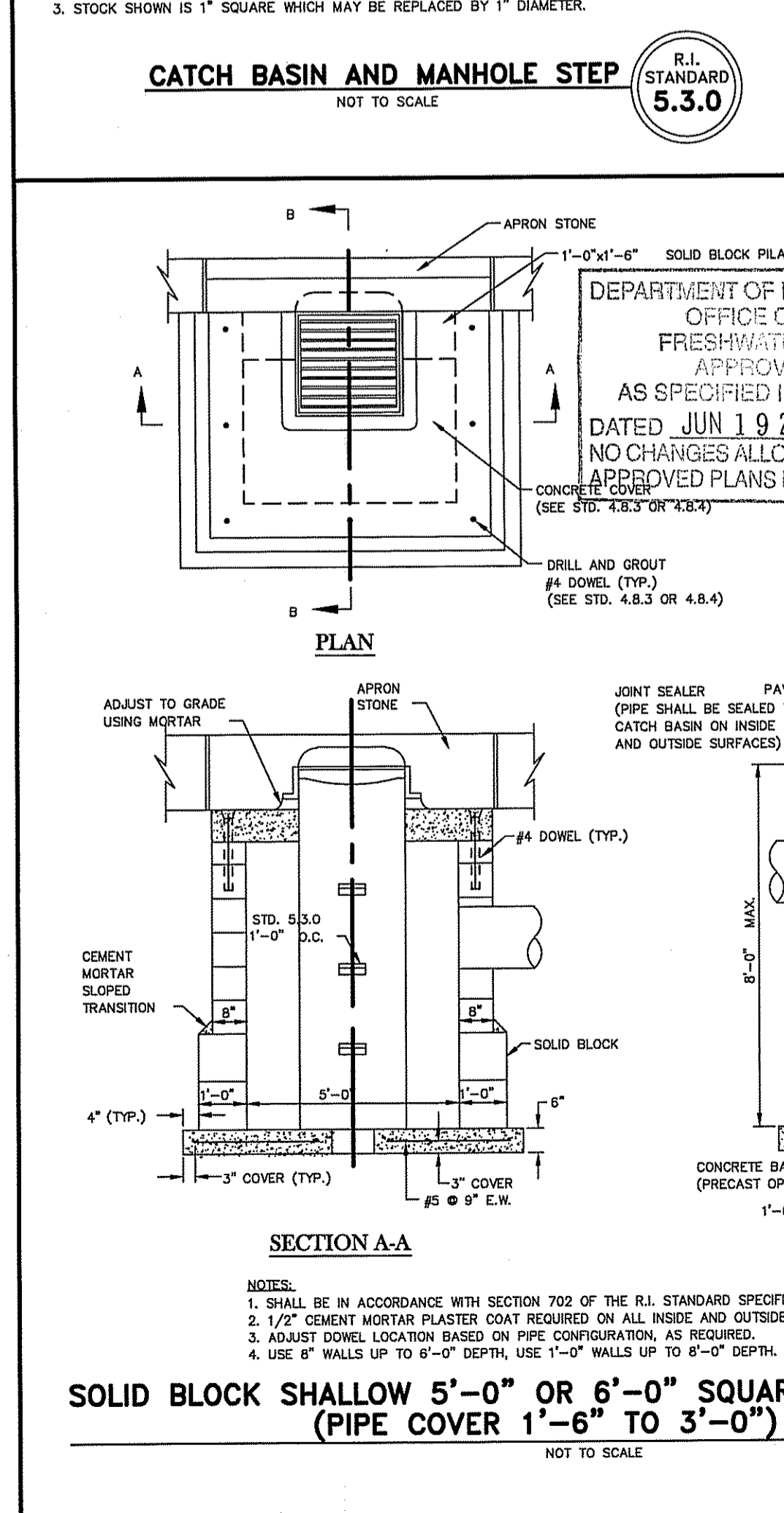
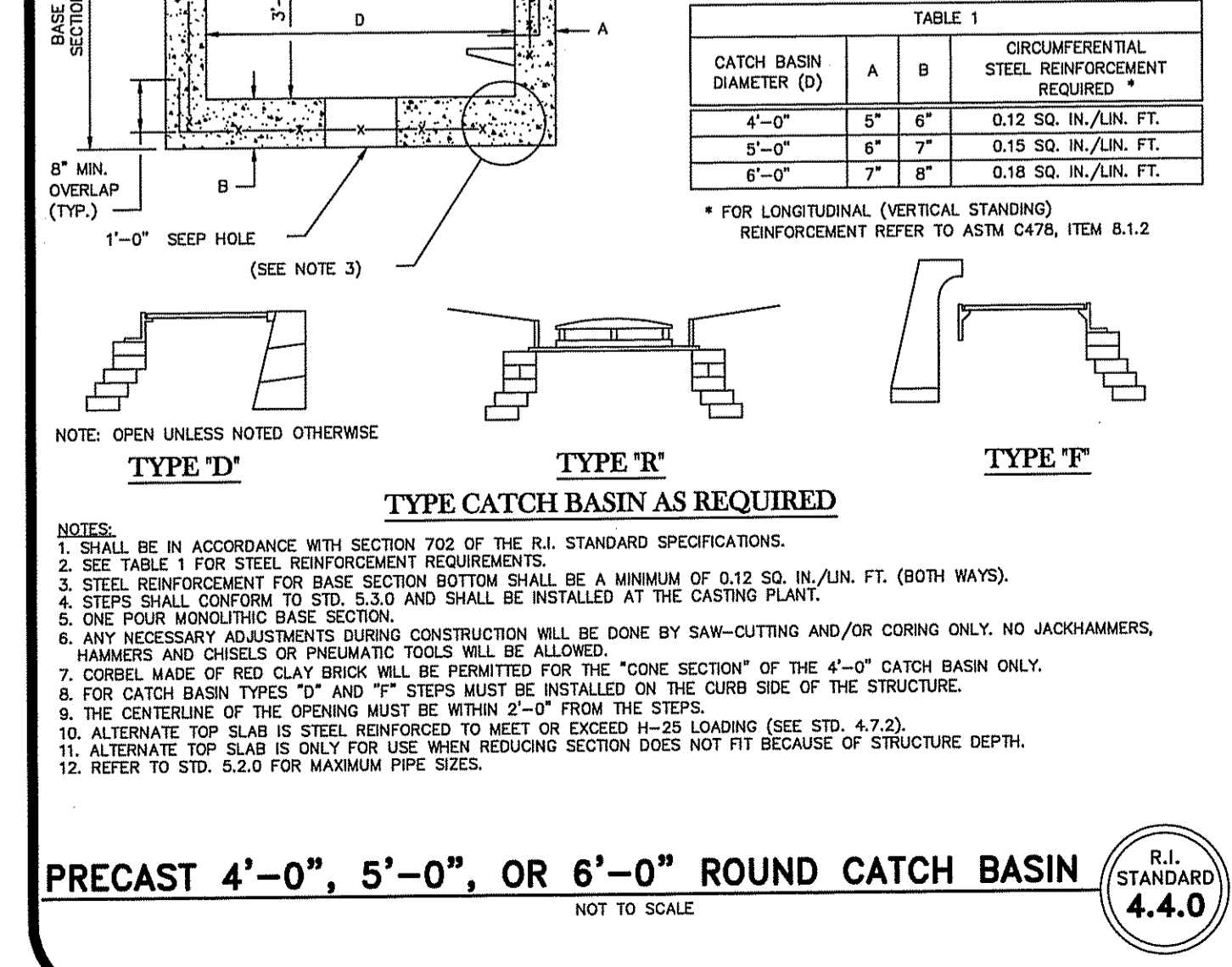
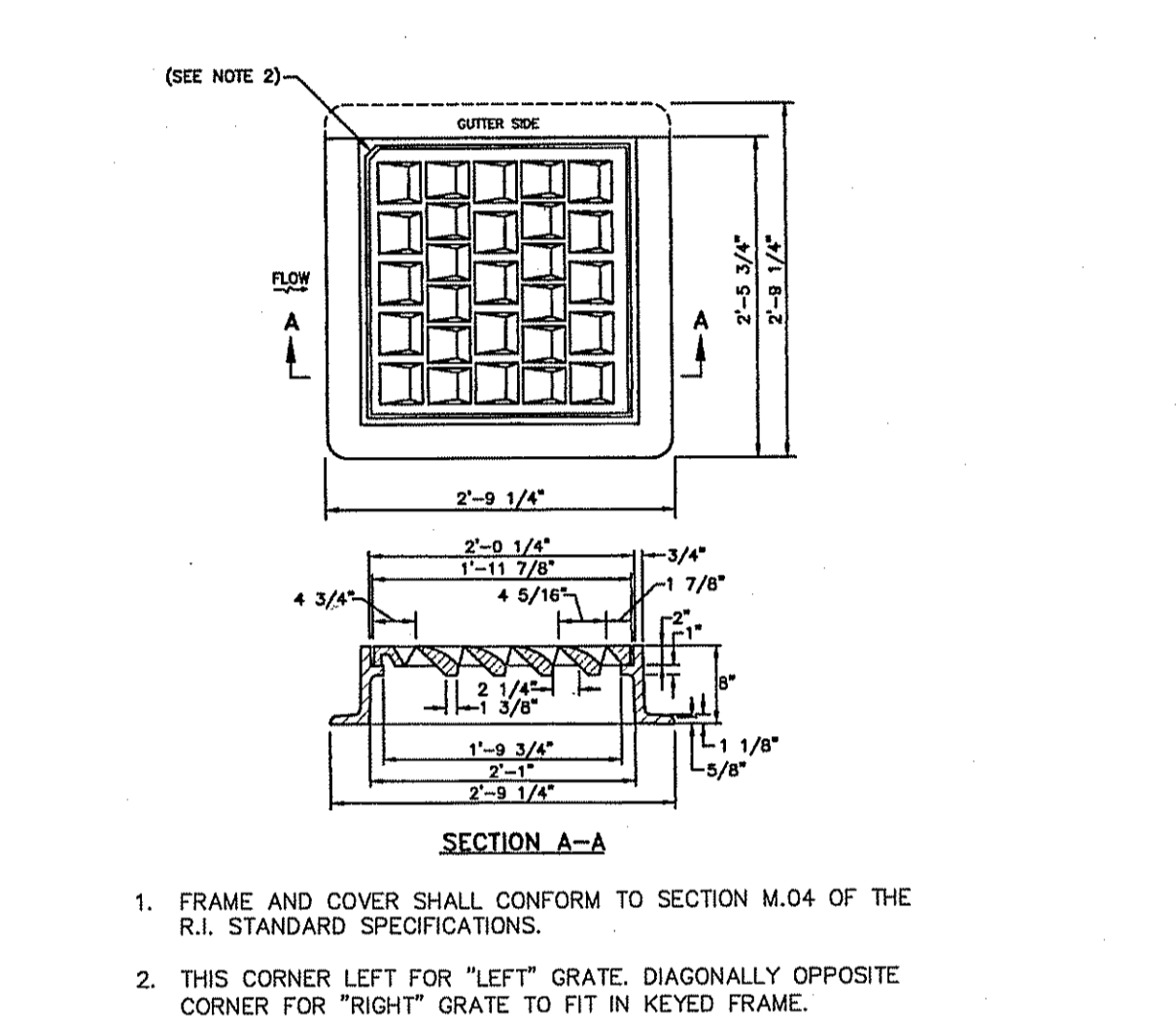
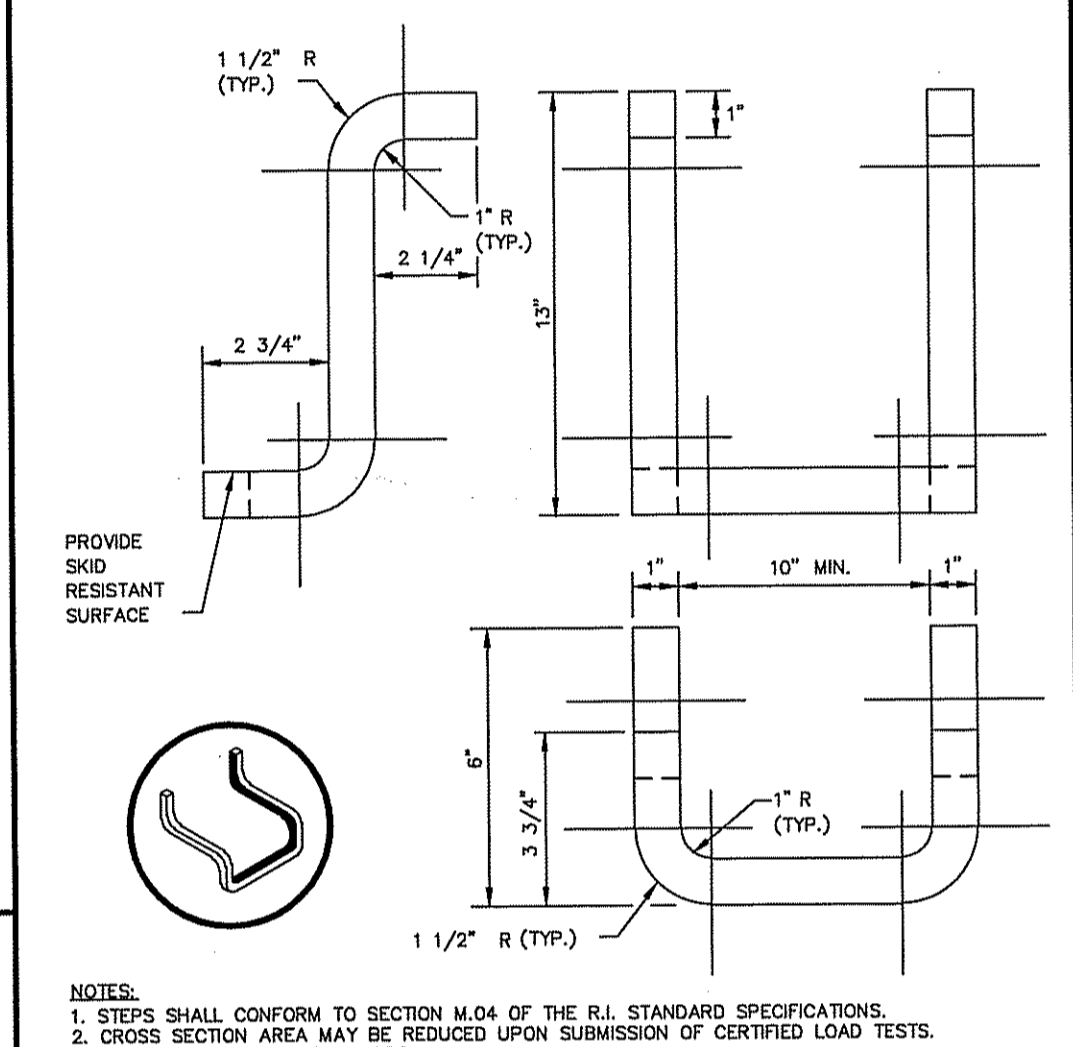
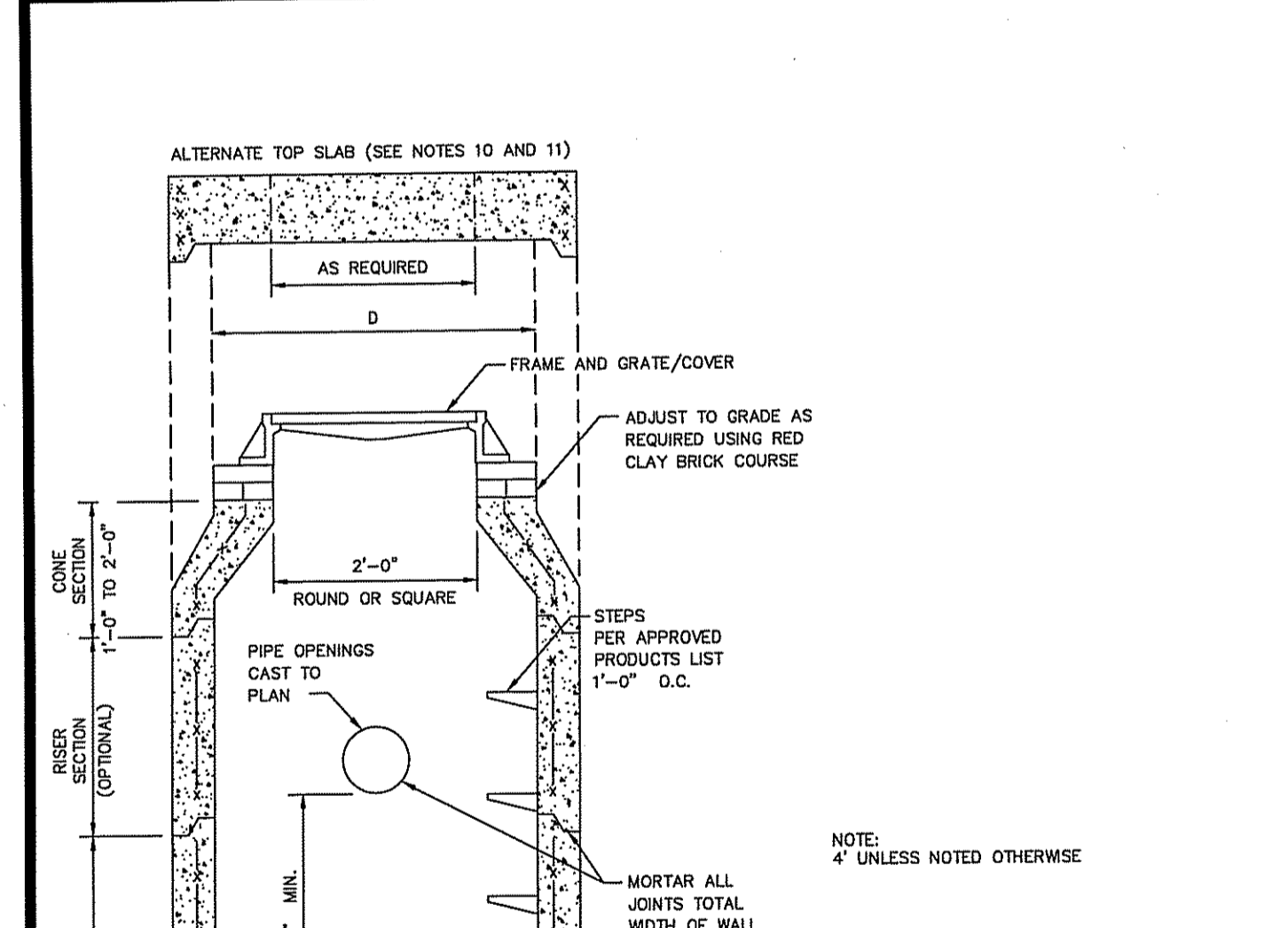
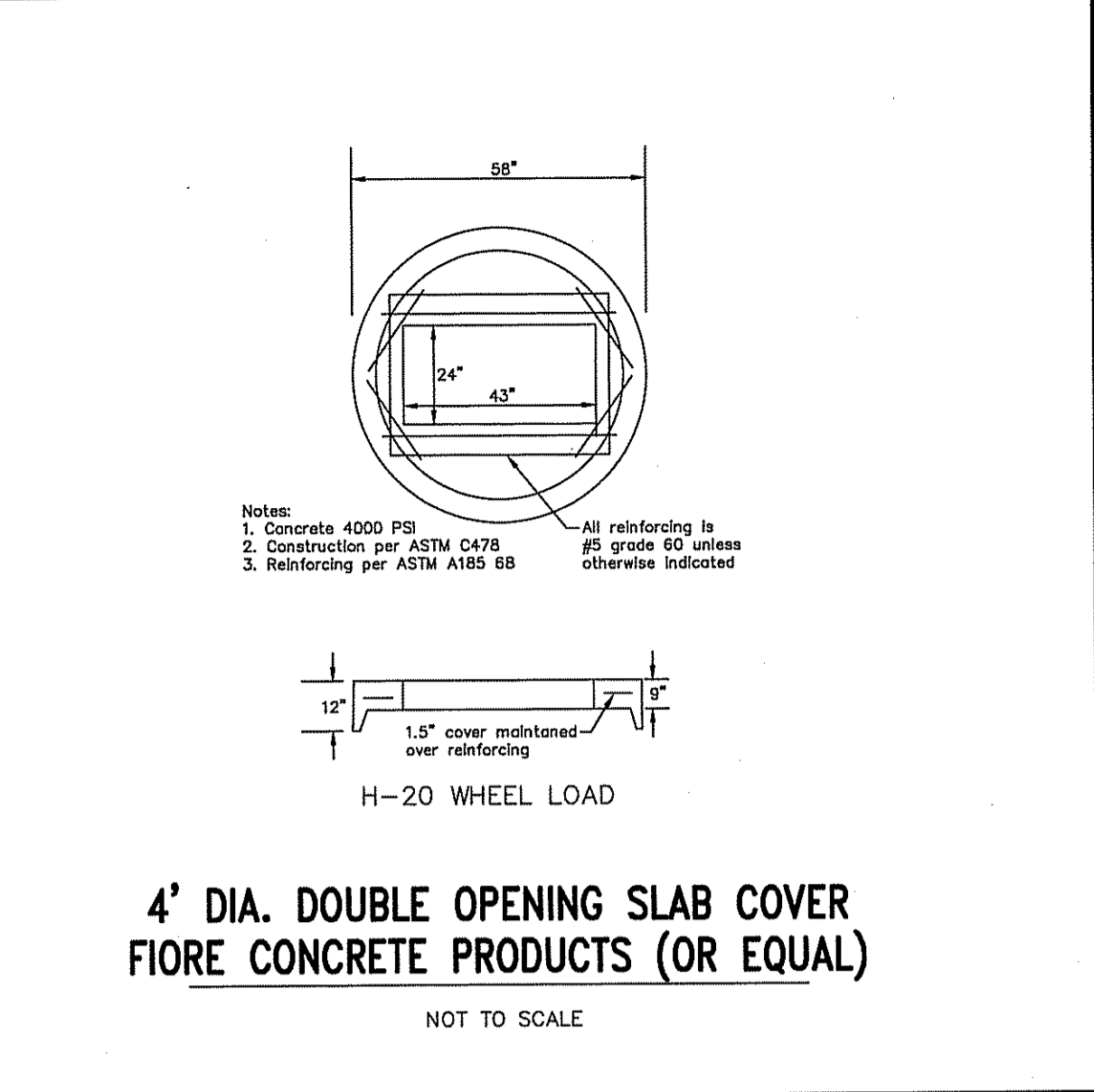
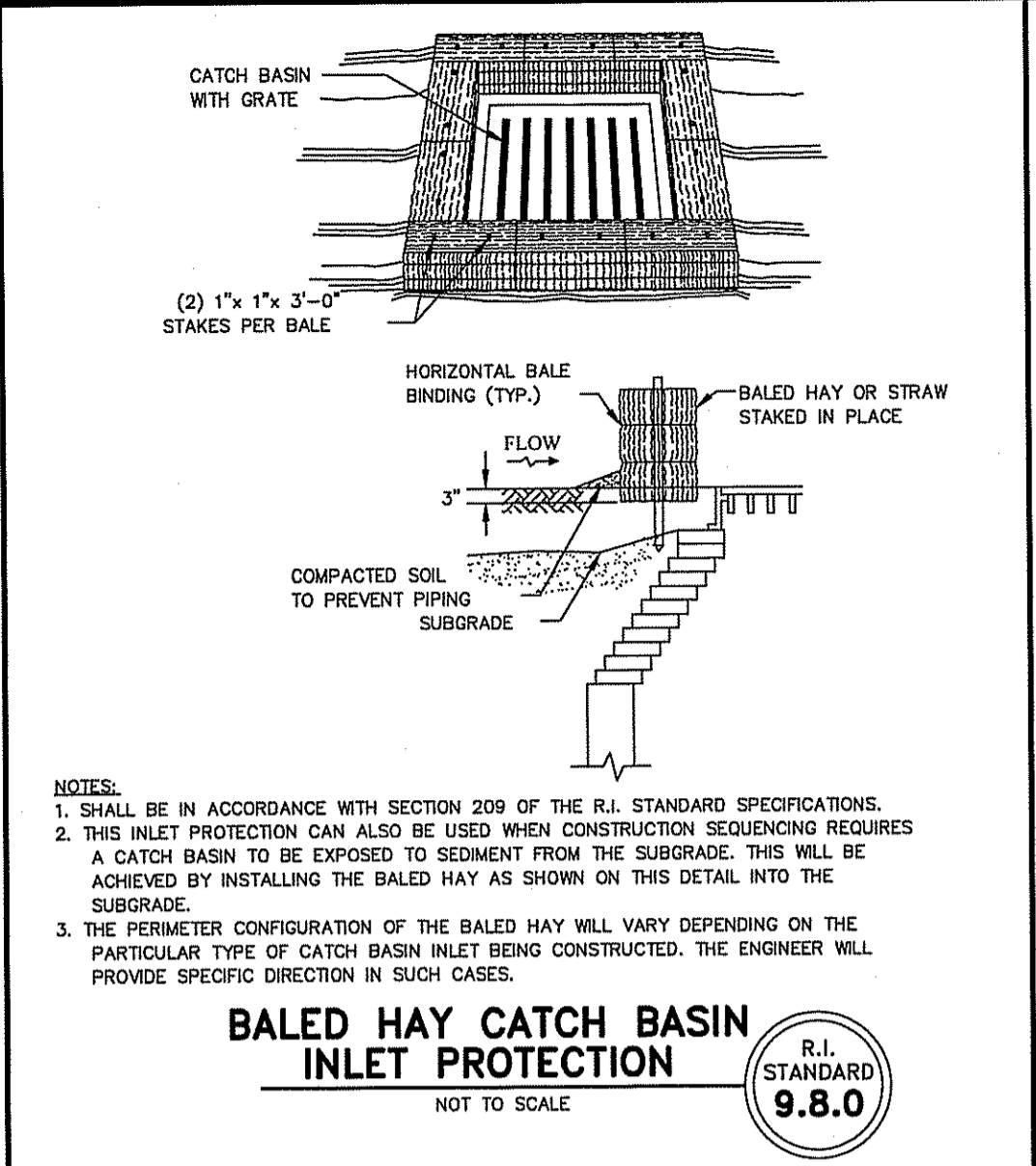
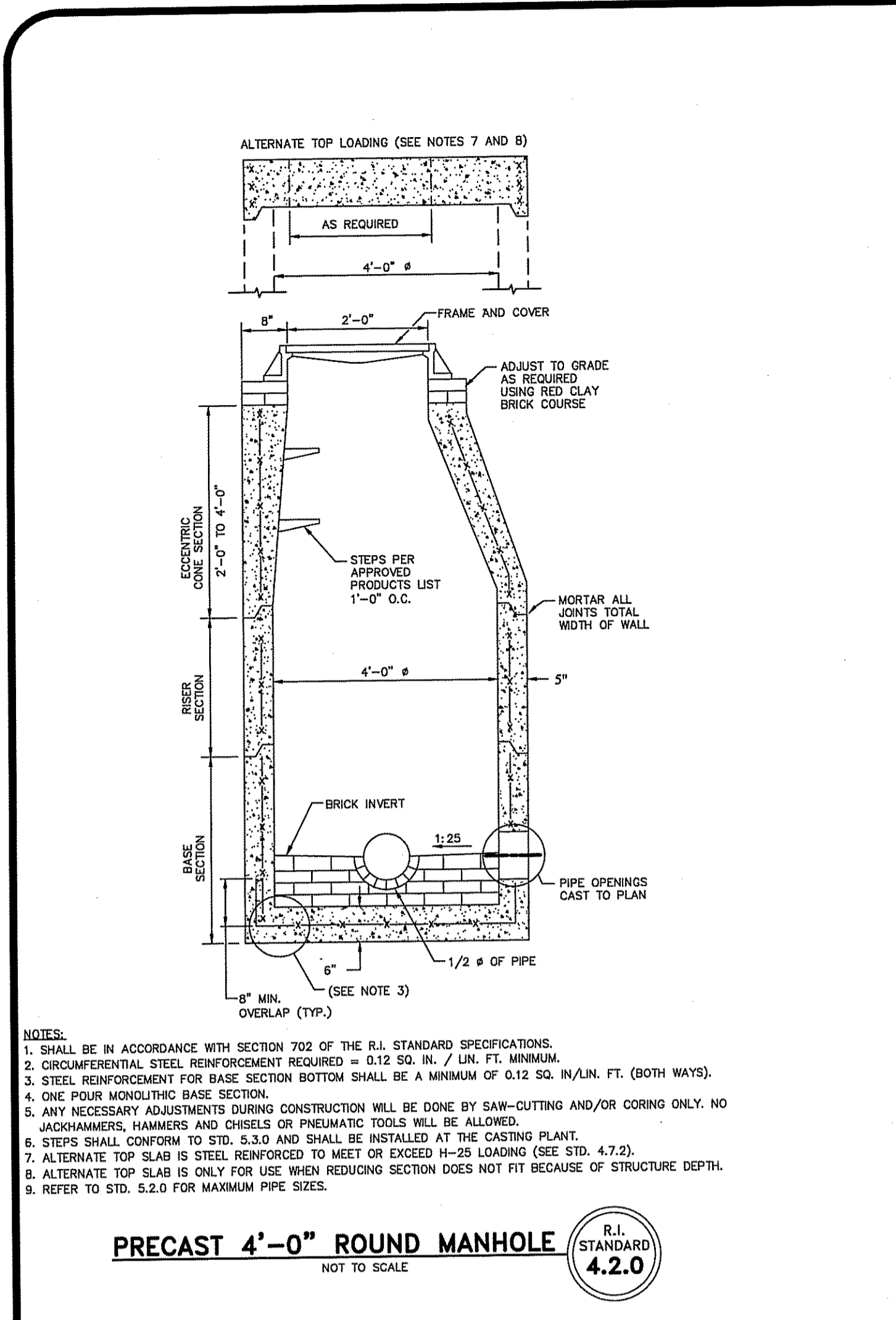
PREPARED FOR
Scituate Highlands, LLC

44 MAIN STREET
 WAKEFIELD, R.I. 02879
 (401) 284-0011

AUGUST, 2007
 DWN. BY: E.L.T.

SHEET 21 OF 24

NO.	DATE	DESCRIPTION	BY
1	4-04-08	RIDEH FWW SUBMISSION	C.R.D.
2	4-22-08	RIDEH FWW SUBMISSION	C.R.D.
3	5-27-08	RIDEH SITE SUITABILITY SUBMISSION	B.A.B.
4	8-20-07	RIDEH FWW SUBMISSION	L.A.B.



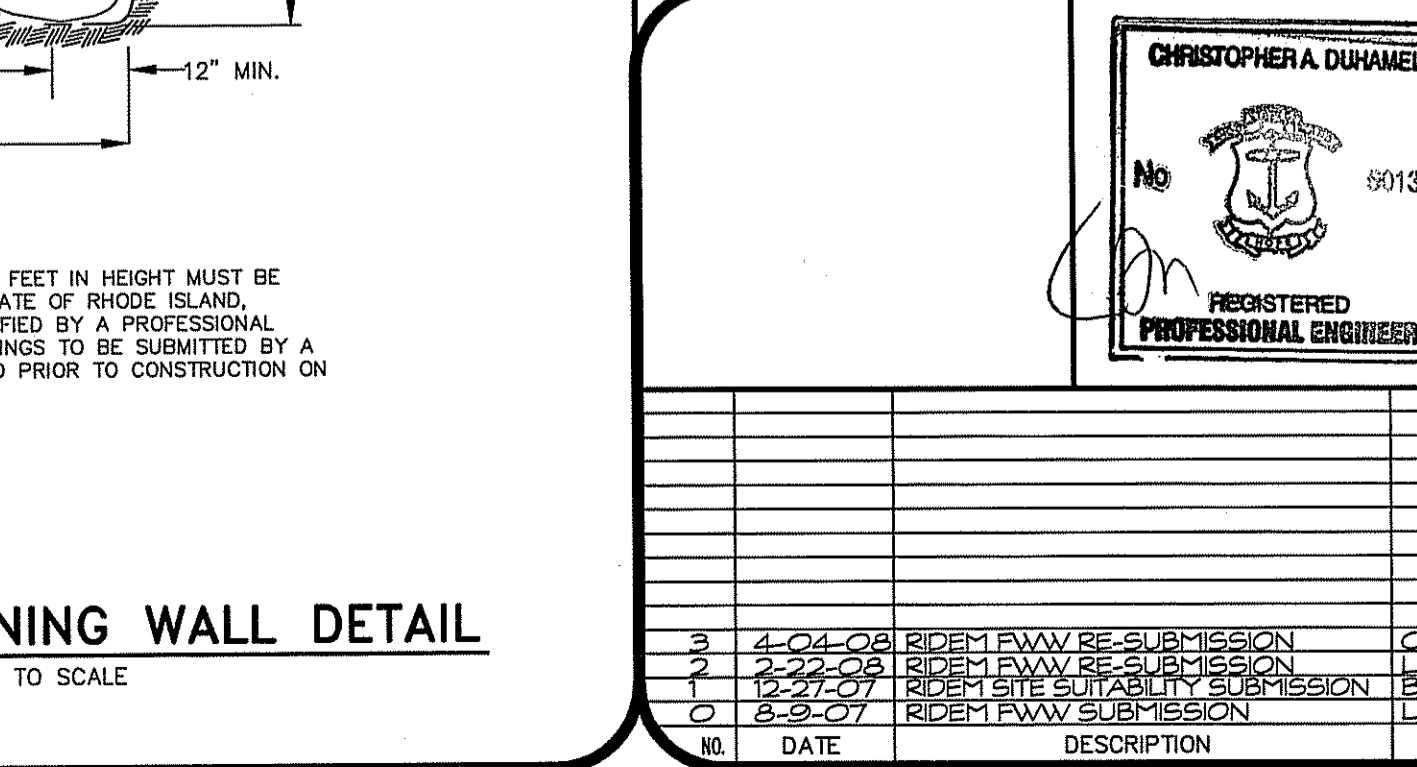
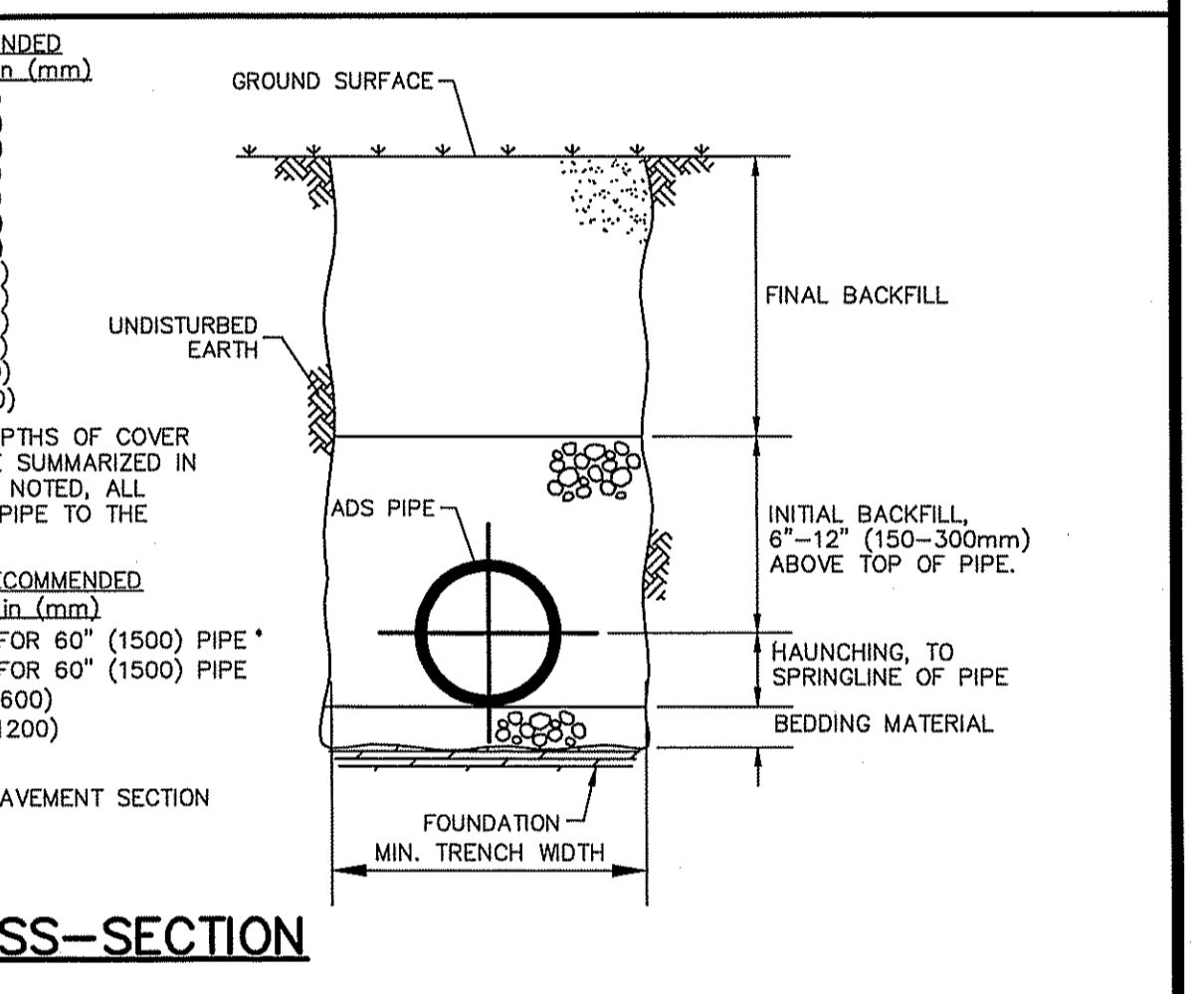
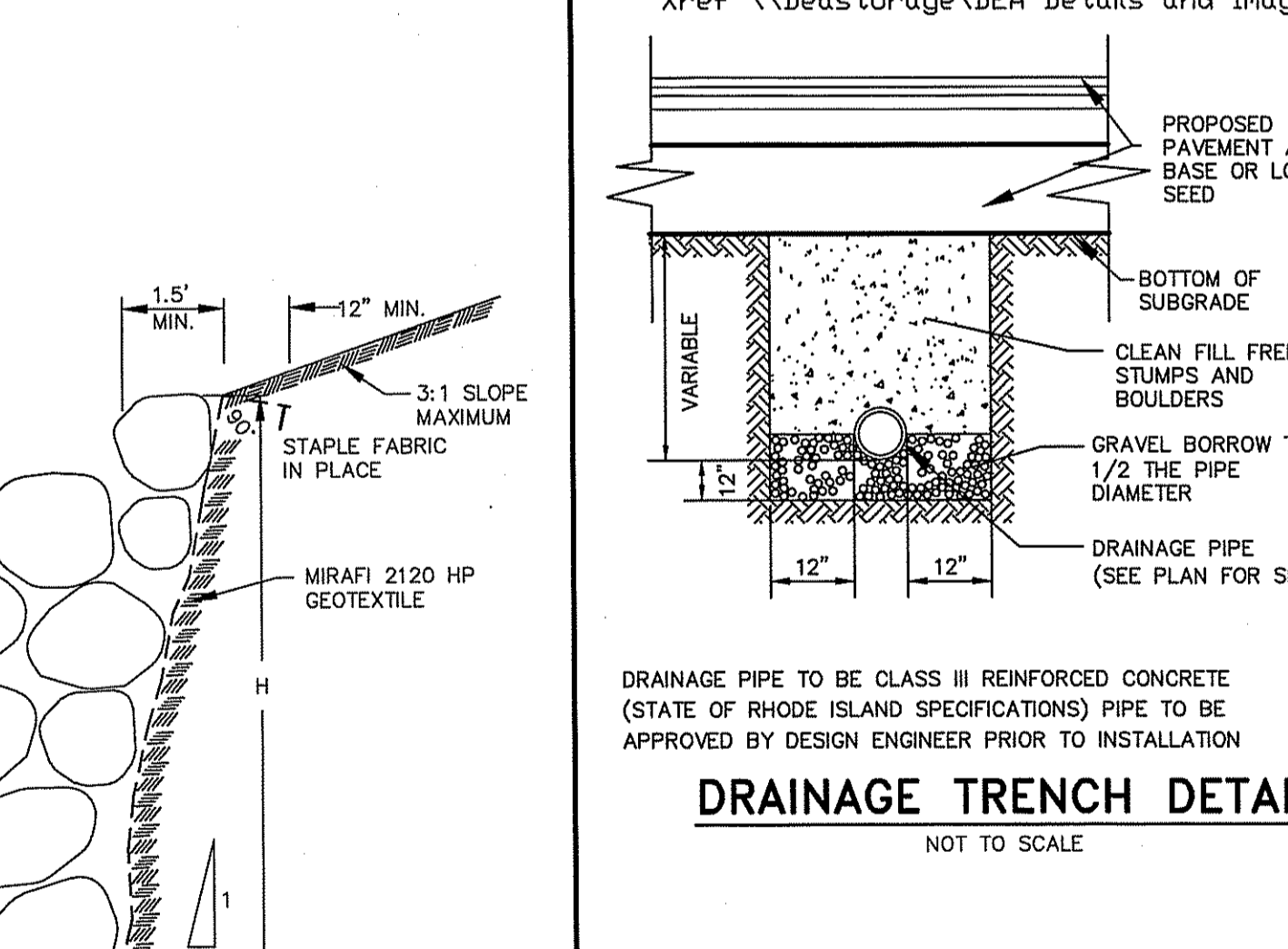
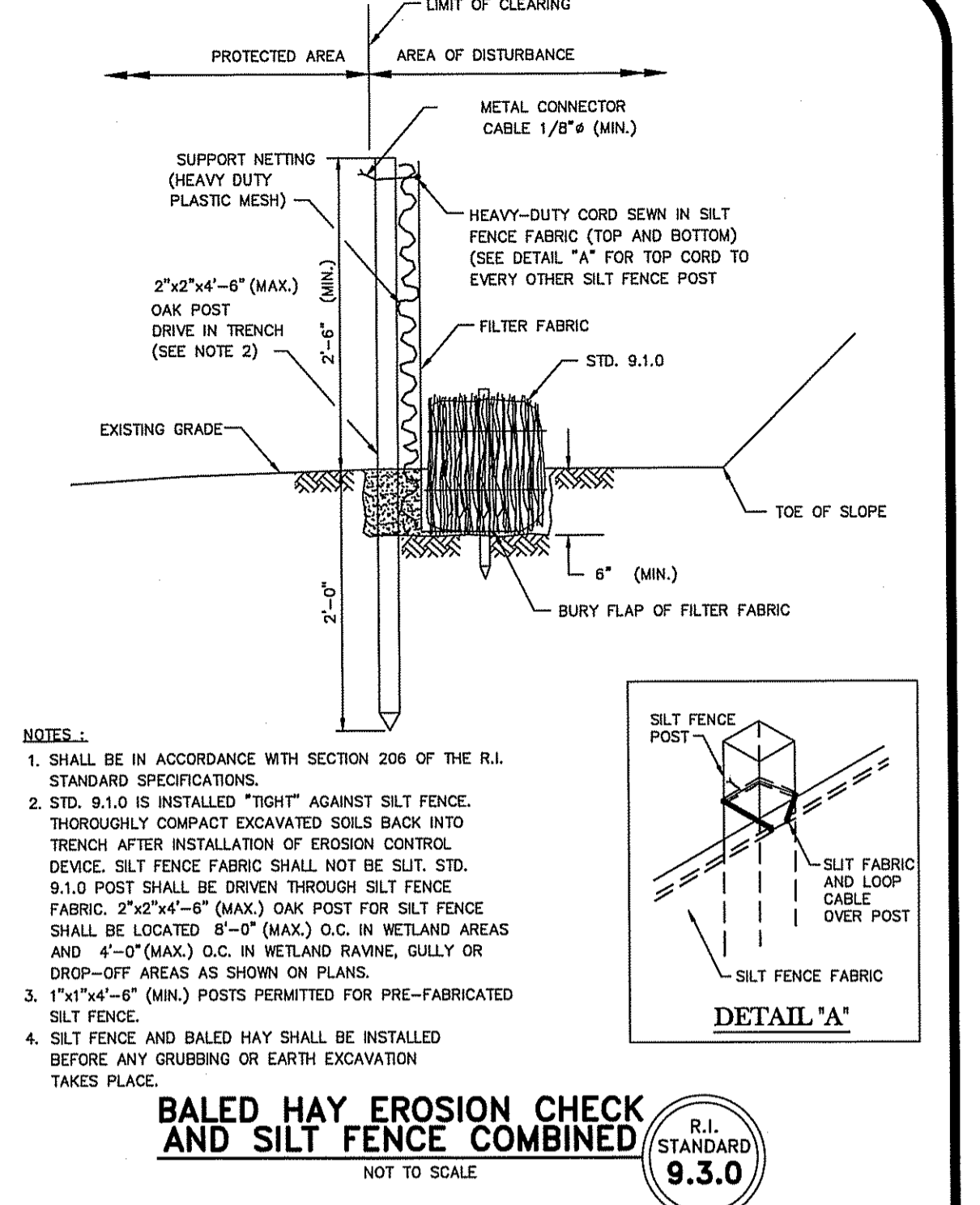
TYPICAL TRENCH CROSS-SECTION

NOMINAL ϕ in (mm)	MIN. RECOMMENDED TRENCH WIDTH in (mm)
4 (100)	21 (530)
6 (150)	23 (580)
8 (200)	25 (630)
10 (250)	28 (710)
12 (300)	31 (790)
15 (375)	34 (860)
18 (450)	39 (990)
24 (600)	48 (1220)
30 (750)	65 (1650)
36 (900)	78 (1980)
42 (1050)	83 (2110)
48 (1200)	89 (2260)
60 (1500)	102 (2590)

MINIMUM COVER: MINIMUM RECOMMENDED DEPTHS OF COVER FOR VARIOUS LIVE LOADS UNDER VARIOUS CONDITIONS ARE SUMMARIZED IN THE FOLLOWING TABLE. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TAKEN FROM THE TOP OF PIPE TO THE GROUND SURFACE.

SURFACE LIVE LOADING CONDITION	MINIMUM RECOMMENDED COVER in (mm)
H25 (FLEXIBLE PAVEMENT)	12 (300), 24 (600) FOR 60" (1500) PIPE
H25 (RIGID PAVEMENT)	12 (300), 24 (600) FOR 60" (1500) PIPE
E80 RAILWAY	24 (600)
HEAVY CONSTRUCTION	48 (1200)

* TOP OF PIPE TO BOTTOM OF BITUMINOUS PAVEMENT SECTION



**DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
DATED JUN 19 2008 FILE # 07-0341
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.**

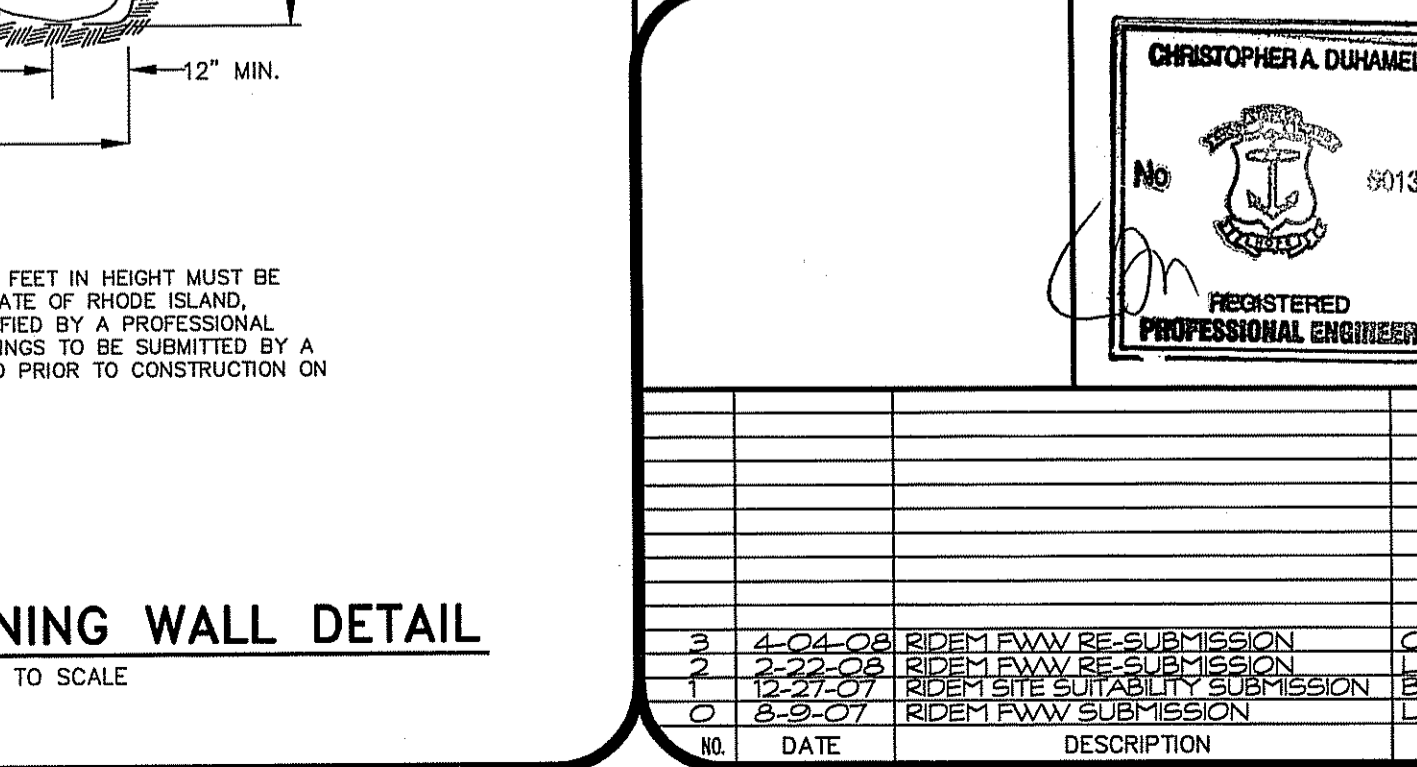
Christopher D. Weneck

CAT. NO.	A	B	C	D	WT. (LBS)
R-4853-A	24"x45"	3"	1 1/2"x6 1/4"	1 1/4"	520

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

NOT TO SCALE

APR 8 2008



DETAIL SHEET - 1

Scituate Highlands

ASSESSOR'S PLAT 50 LOT 5
SCITUATE, RHODE ISLAND

PREPARED BY
DiPrete Engineering Associates, Inc.
ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
TWO STAFFORD COURT
CRANSTON, R.I. 02920
(401) 943-1000 FAX: (401) 464-6006

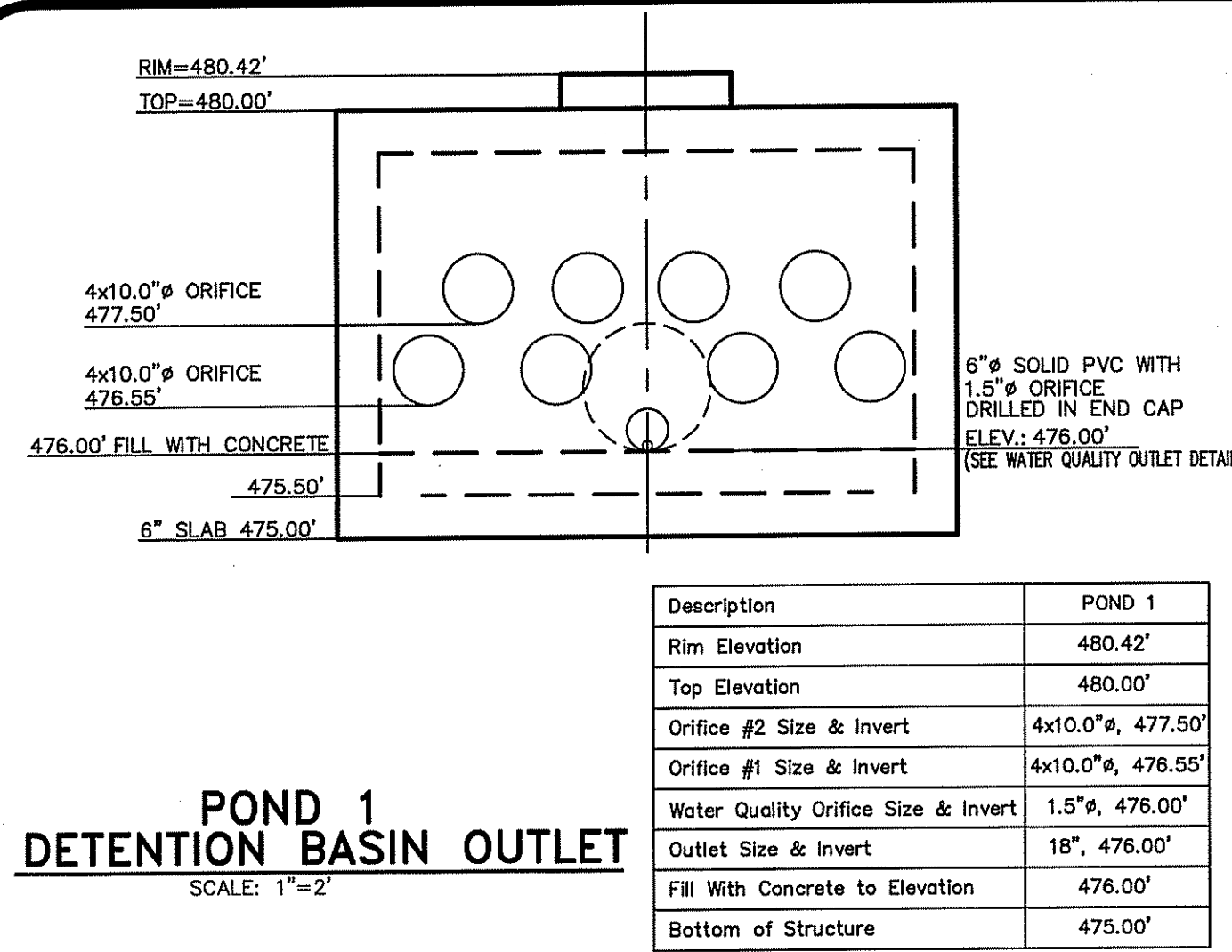
PREPARED FOR
Scituate Highlands, LLC
44 MAIN STREET
WAKEFIELD, R.I. 02879
(401) 284-0011

CHRISTOPHER A. DUHAMEL
REGISTERED PROFESSIONAL ENGINEER

AUGUST, 2007
DWN. BY: E.L.T.

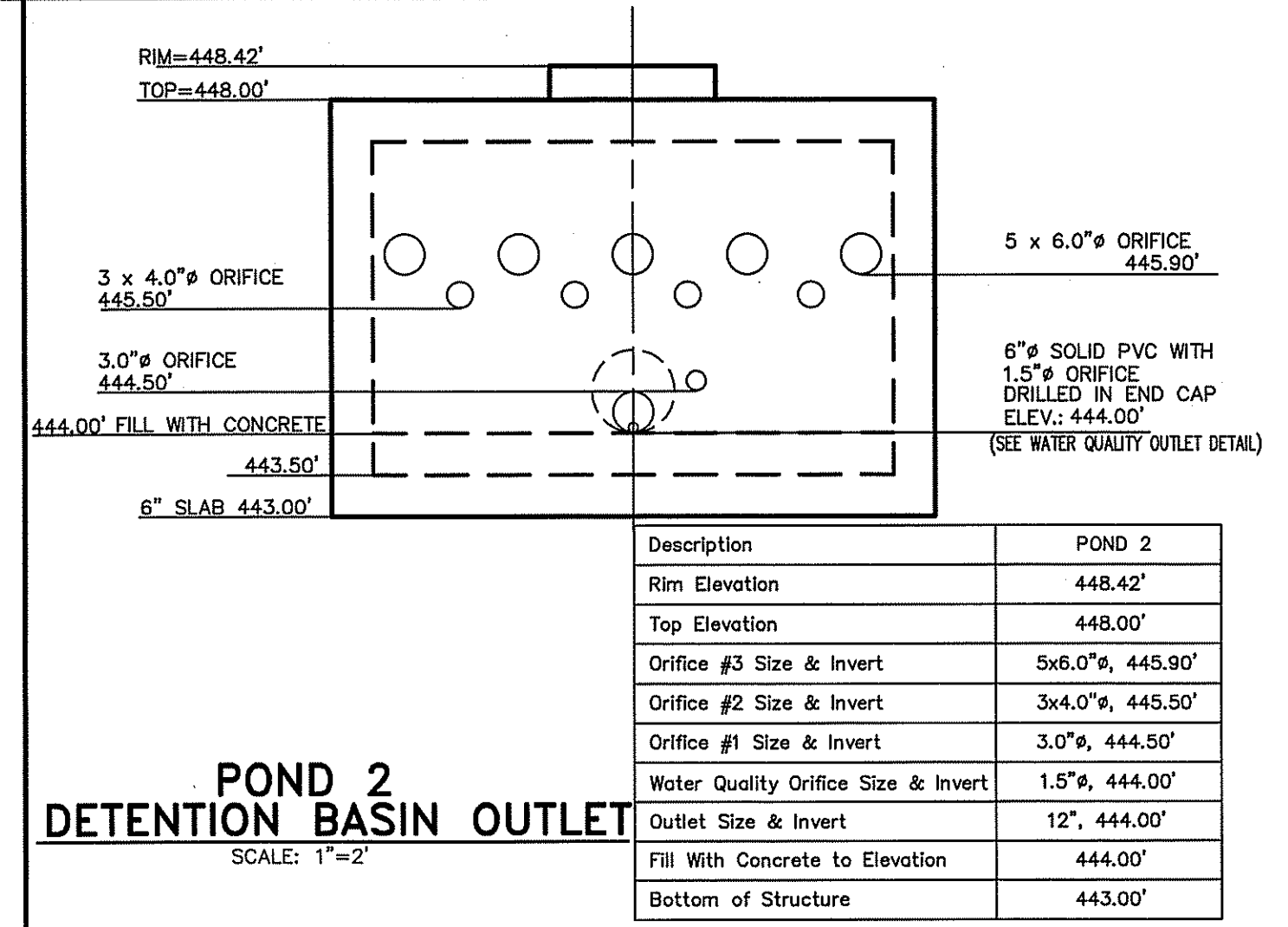
SHEET 22 OF 24

\\destrage\DEAN\ANN\Engineers\Transfers\0661-018 Scituate Highlands\Drawings\0661-018 Preliminary_ELT_RO_Details.dwg, 22 Detail, 4/17/2008, 3:46:19 PM



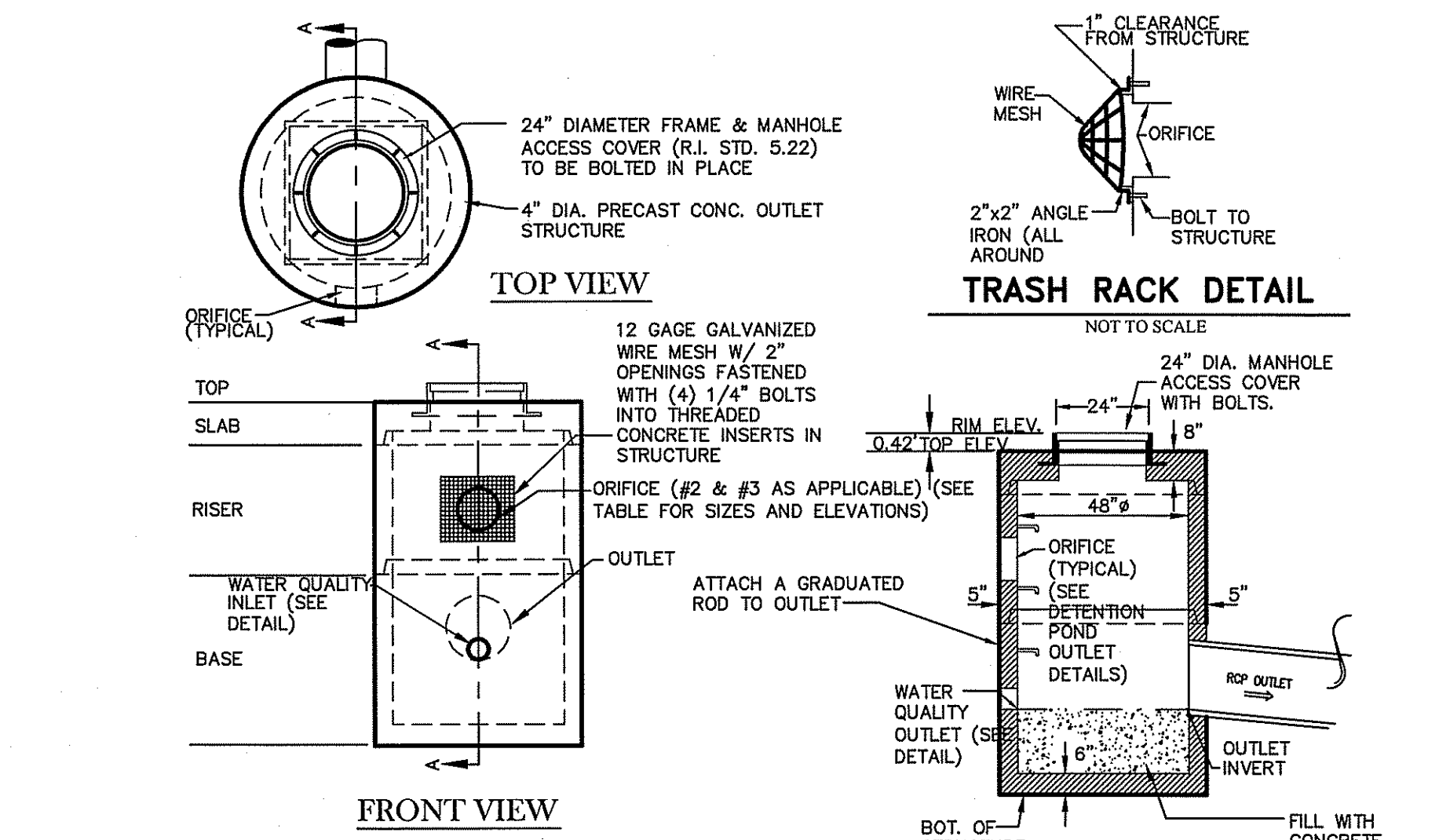
Description	POND 1
Rim Elevation	480.42'
Top Elevation	480.00'
Orifice #2 Size & Invert	4x10.0", 477.50'
Orifice #1 Size & Invert	4x10.0", 476.55'
Water Quality Orifice Size & Invert	1.5", 476.00'
Outlet Size & Invert	18", 476.00'
Fill With Concrete to Elevation	476.00'
Bottom of Structure	475.00'

**POND 1
DETENTION BASIN OUTLET**
SCALE: 1"=2'



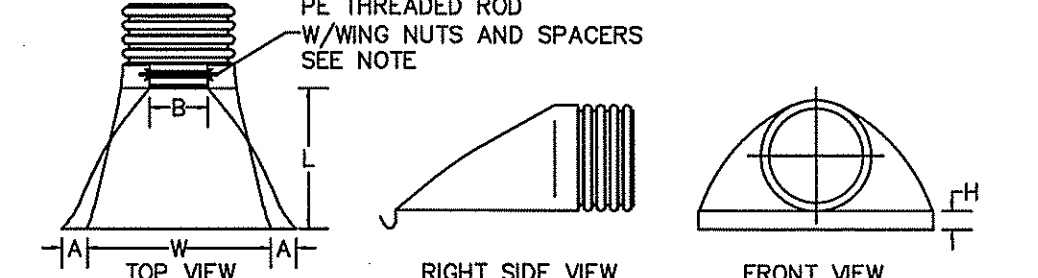
Description	POND 2
Rim Elevation	448.42'
Top Elevation	448.00'
Orifice #3 Size & Invert	5x6.0", 445.90'
Orifice #2 Size & Invert	3x4.0", 445.50'
Orifice #1 Size & Invert	3.0", 444.50'
Water Quality Orifice Size & Invert	1.5", 444.00'
Outlet Size & Invert	12", 444.00'
Fill With Concrete to Elevation	444.00'
Bottom of Structure	443.00'

**POND 2
DETENTION BASIN OUTLET**
SCALE: 1"=2'



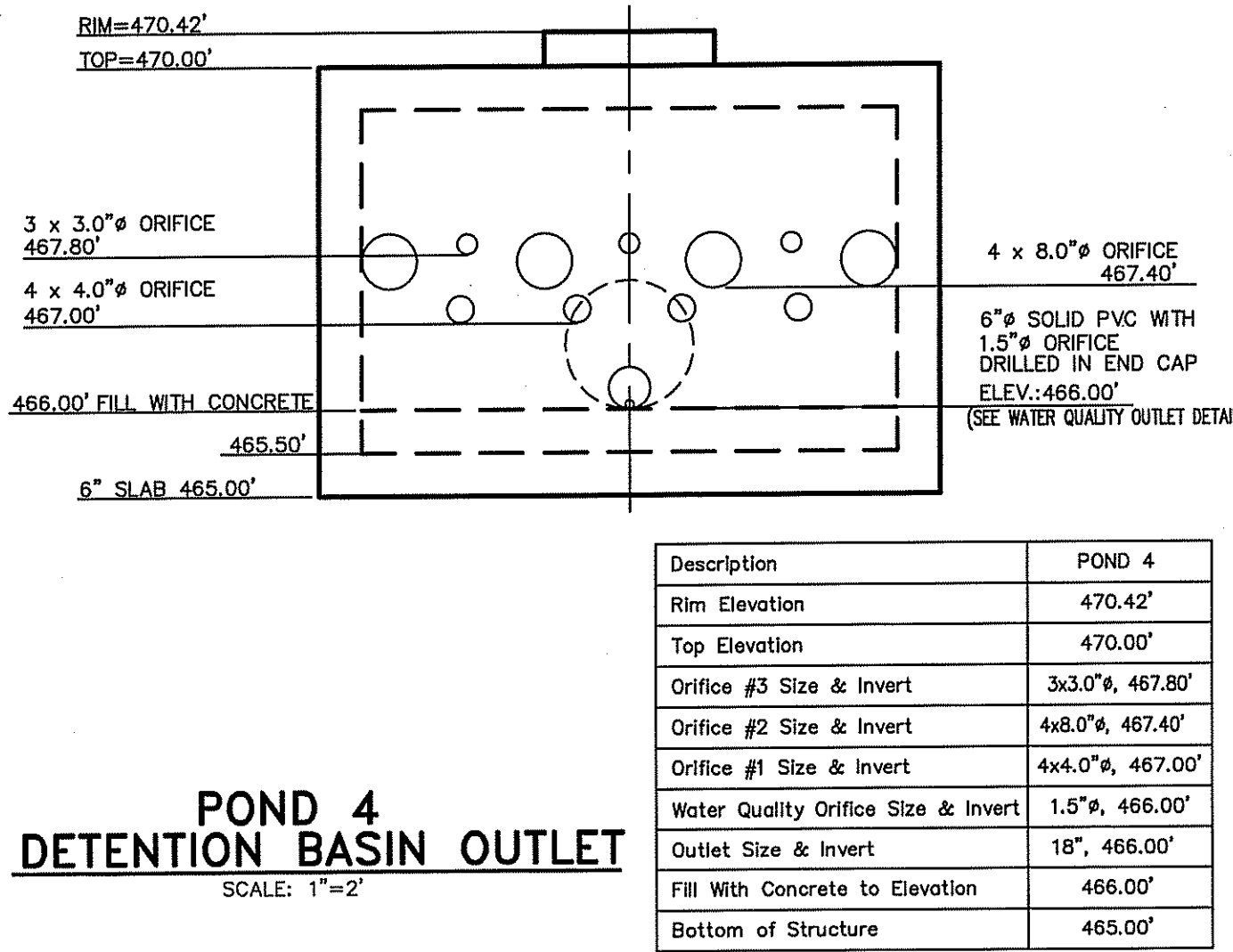
DETENTION BASIN OUTLET (TYPICAL)
NOT TO SCALE

- NOTES:
 1. ADS OR APPROVED EQUAL.
 2. ALL DIMENSIONS ARE NOMINAL.
 3. PE THREADED ROD W/WING NUTS PROVIDED FOR END SECTIONS 12"-24" ASSEMBLY.
 4. 30" & 36" END SECTIONS REQUIRE TWO (2) THREADED RODS FOR ASSEMBLY.



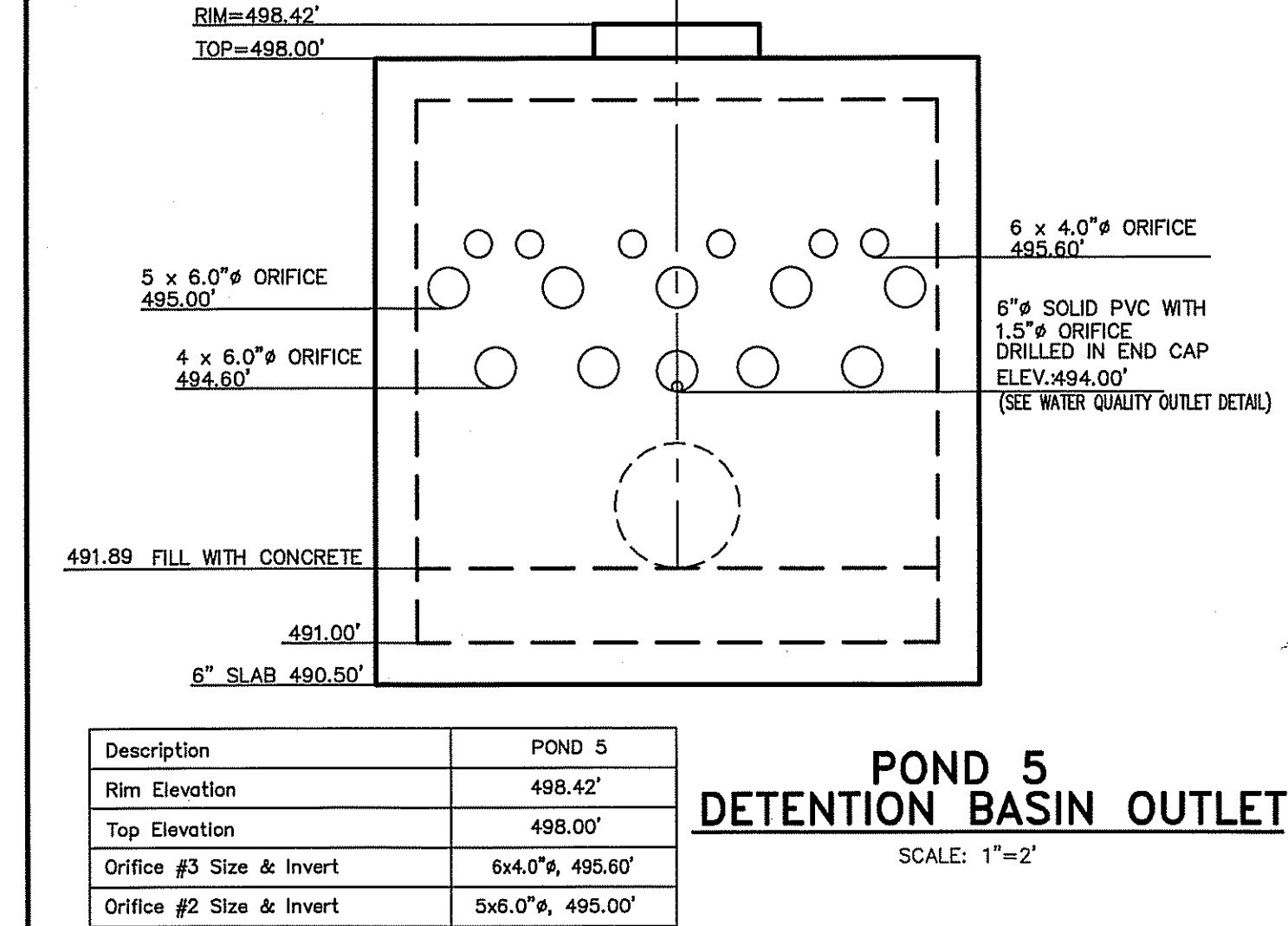
PART #	PIPE SIZE	A	B (MAX)	H	L	W
1210NP	12 in (300 mm)	6.50 in (165 mm)	10.00 in (254 mm)	6.50 in (165 mm)	25.00 in (635 mm)	29.00 in (737 mm)
1510NP	15 in (375 mm)	6.50 in (165 mm)	10.00 in (254 mm)	6.50 in (165 mm)	25.00 in (635 mm)	29.00 in (737 mm)
1810NP	18 in (450 mm)	7.50 in (191 mm)	15.00 in (381 mm)	6.50 in (165 mm)	32.00 in (813 mm)	35.00 in (889 mm)
2410NP	24 in (600 mm)	7.50 in (191 mm)	18.00 in (457 mm)	6.50 in (165 mm)	36.00 in (914 mm)	45.00 in (1143 mm)
3015NP	30 in (760 mm)	7.50 in (191 mm)	12.00 in (305 mm)	8.60 in (218 mm)	58.00 in (1473 mm)	63.00 in (1600 mm)
3615NP	36 in (900 mm)	7.50 in (191 mm)	25.00 in (635 mm)	8.60 in (218 mm)	58.00 in (1473 mm)	63.00 in (1600 mm)

HDPE FLARED END SECTION
N.T.S.



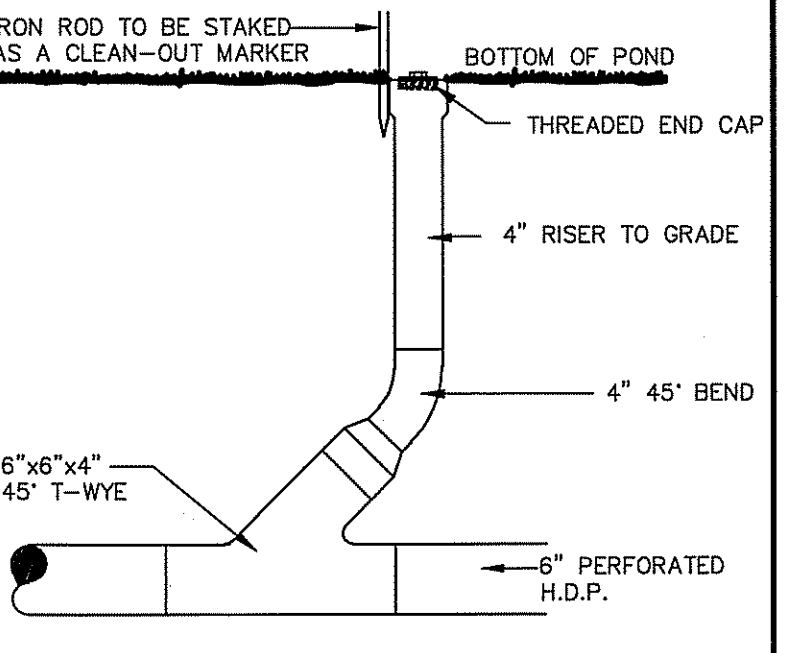
Description	POND 4
Rim Elevation	470.42'
Top Elevation	470.00'
Orifice #3 Size & Invert	3x3.0", 467.80'
Orifice #2 Size & Invert	4x8.0", 467.40'
Orifice #1 Size & Invert	4x4.0", 467.00'
Water Quality Orifice Size & Invert	1.5", 466.00'
Outlet Size & Invert	18", 466.00'
Fill With Concrete to Elevation	466.00'
Bottom of Structure	465.00'

**POND 4
DETENTION BASIN OUTLET**
SCALE: 1"=2'

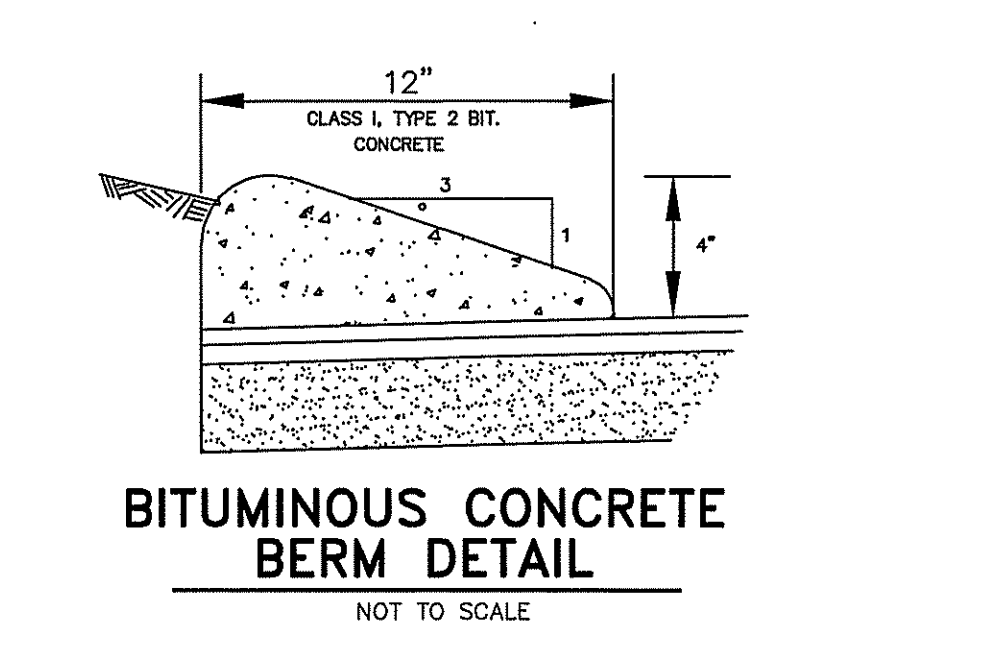


Description	POND 5
Rim Elevation	498.42'
Top Elevation	498.00'
Orifice #3 Size & Invert	6x4.0", 495.60'
Orifice #2 Size & Invert	5x6.0", 495.00'
Orifice #1 Size & Invert	4x6.0", 494.60'
Water Quality Orifice Size & Invert	1.5", 494.00'
Outlet Size & Invert	18", 491.89'
Fill With Concrete to Elevation	491.89'
Bottom of Structure	490.50'

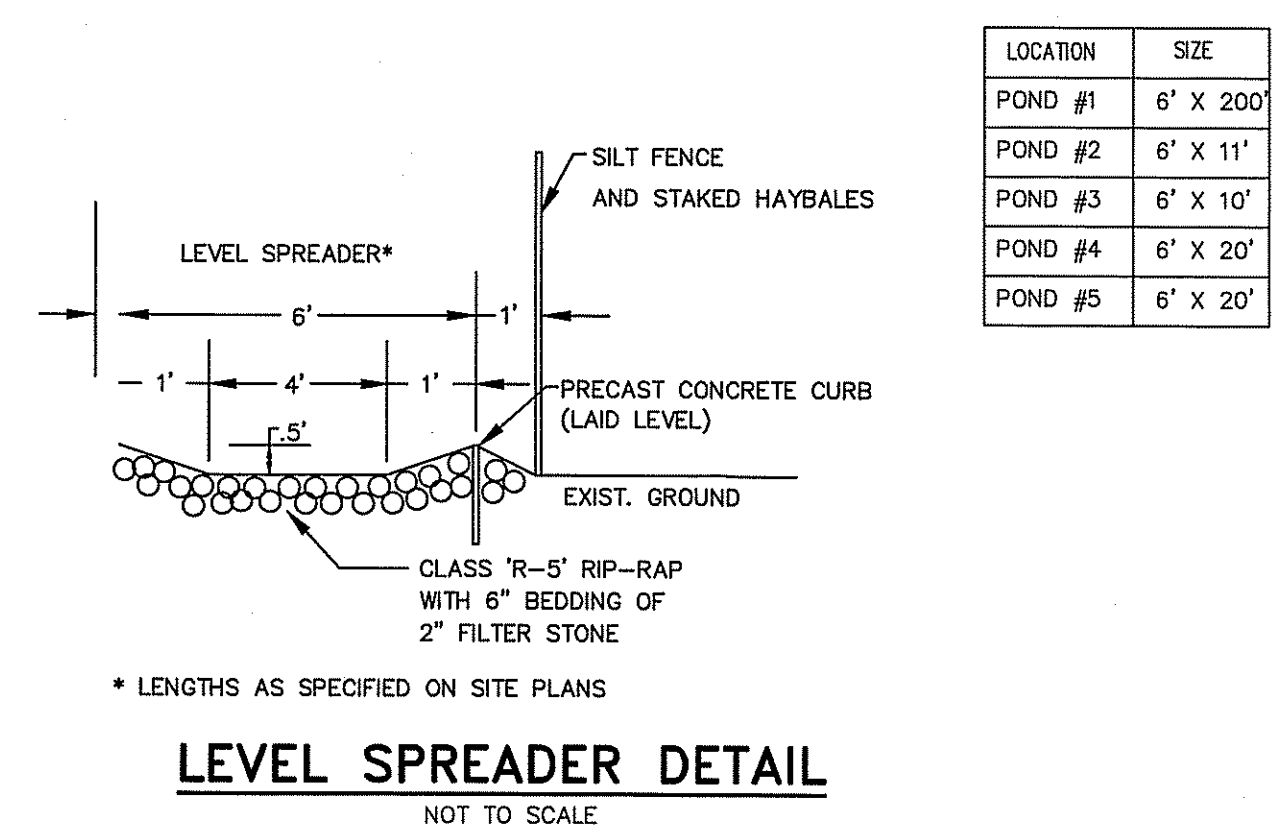
**POND 5
DETENTION BASIN OUTLET**
SCALE: 1"=2'



SUBDRAIN CLEANOUT DETAIL
NOT TO SCALE

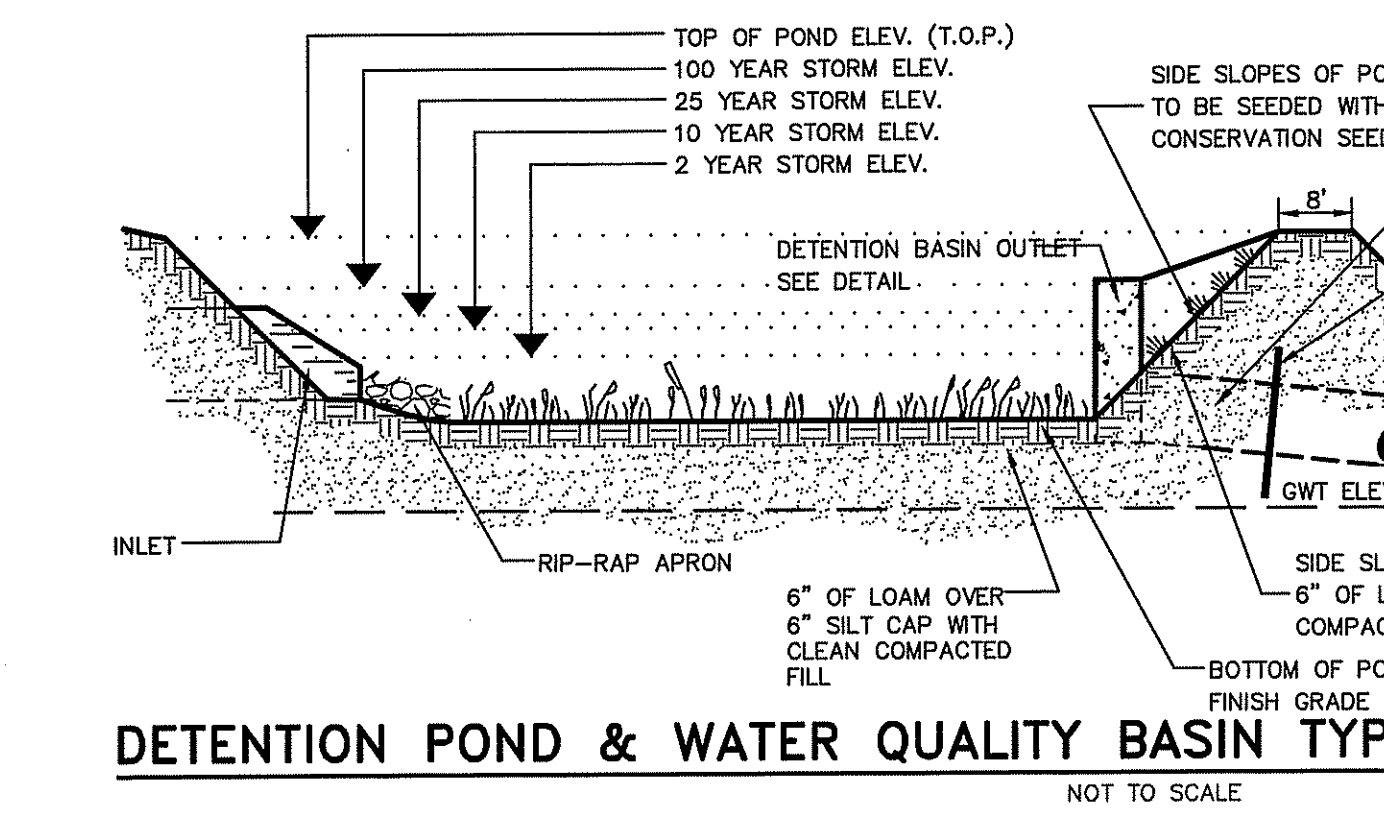


BITUMINOUS CONCRETE BERM DETAIL
NOT TO SCALE



LEVEL SPREADER DETAIL
NOT TO SCALE

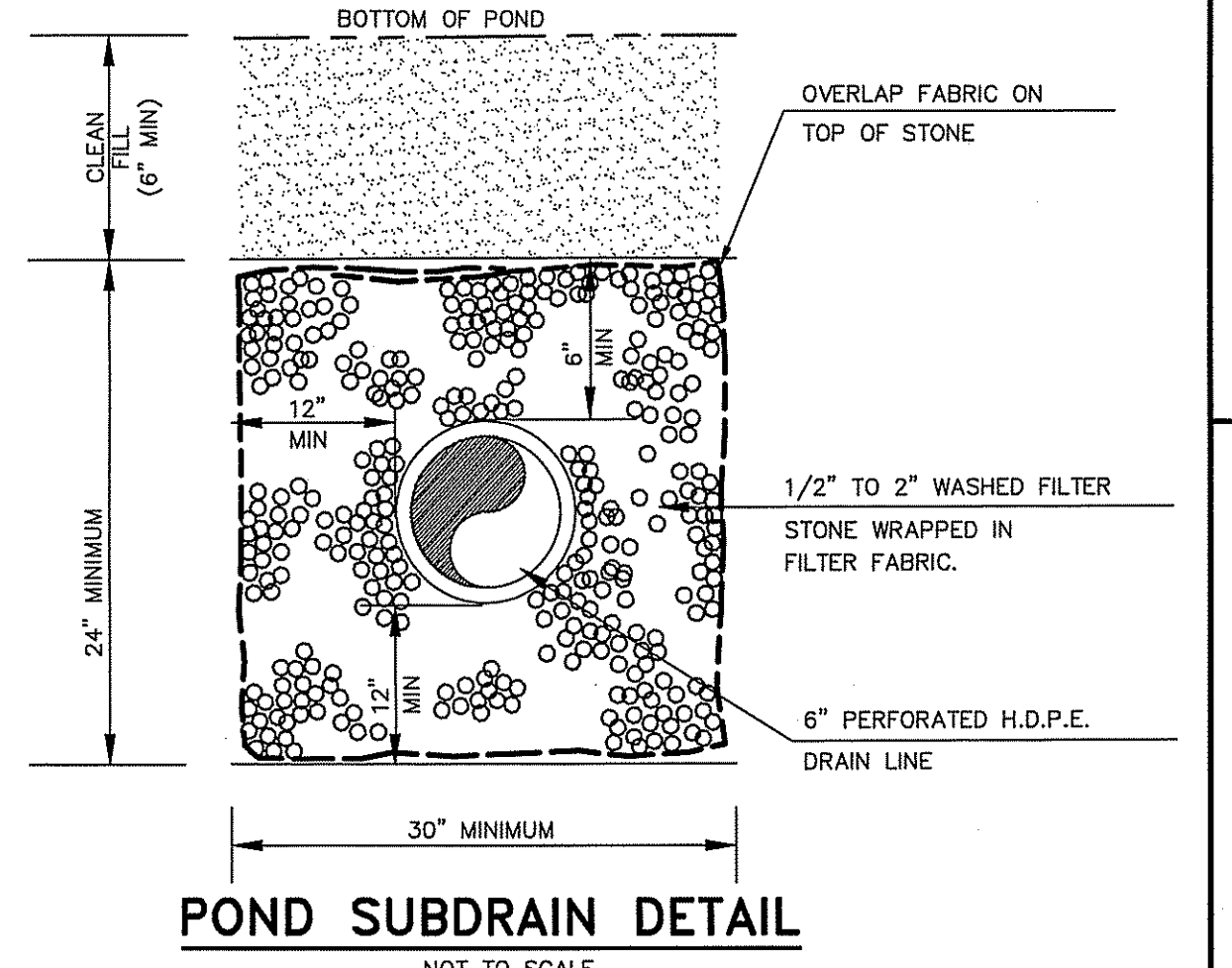
LOCATION	SIZE
POND #1	6' X 20'
POND #2	6' X 11'
POND #3	6' X 10'
POND #4	6' X 20'
POND #5	6' X 20'



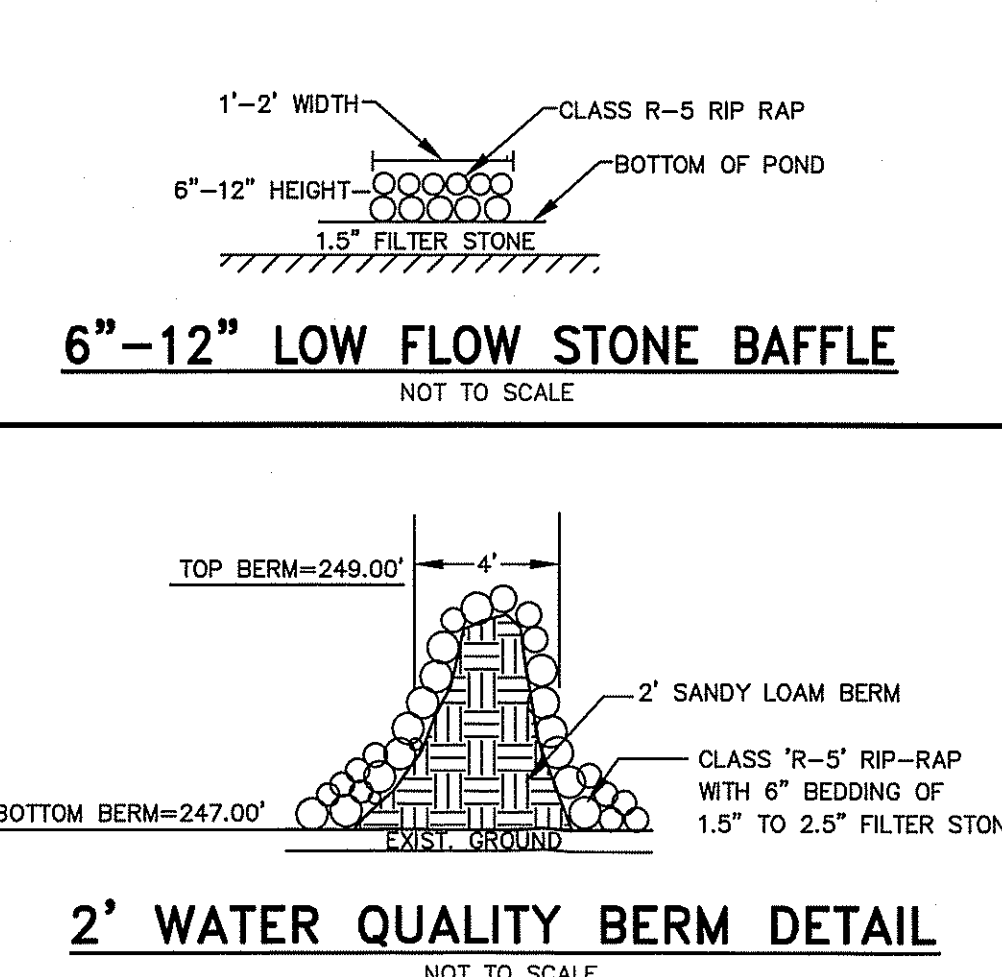
DETENTION POND & WATER QUALITY BASIN TYPICAL CROSS SECTION
NOT TO SCALE

Description	POND 1	POND 2	POND 3	POND 4	POND 5
Top of Pond Elevation	480.00	448.00	444.00	470.00	498.00
Bottom of Pond Elevation	476.00	444.00	441.00	466.00	494.00
Sediment Foray Elevation	475.50	443.50	440.50	465.50	493.50
100 Year Storm Elevation	478.97	447.00	443.00	469.00	496.49
25 Year Storm Elevation	478.19	446.29	442.83	468.19	495.86
10 Year Storm Elevation	477.80	445.99	442.83	467.82	495.51
2 Year Storm Elevation	476.99	445.15	441.82	467.23	494.92
GWT Elevation **	474.75	442.00	439.00	464.00	491.50'

** NOTE: GROUNDWATER TABLE REGULATED BY SUBDRAINS

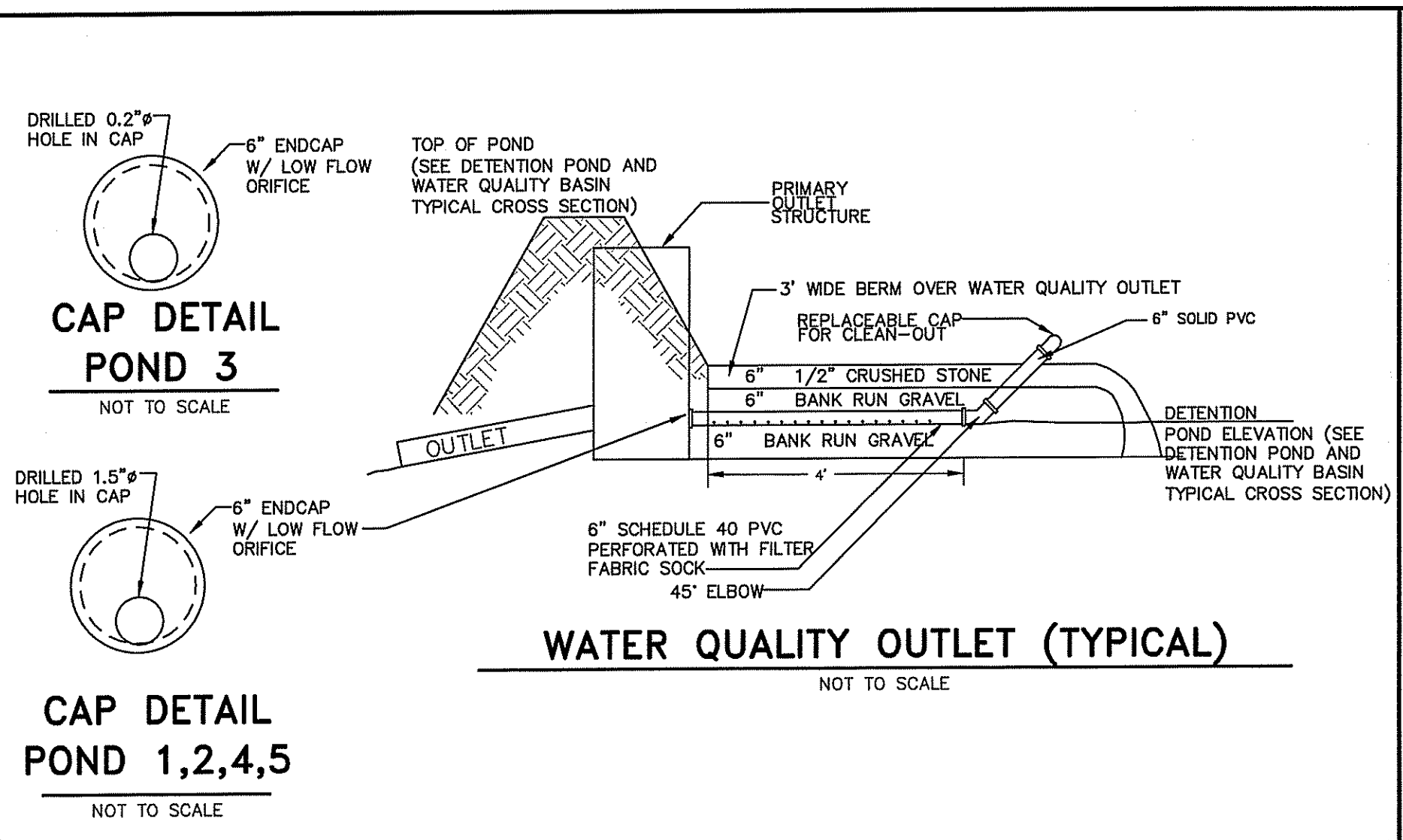


POND SUBDRAIN DETAIL
NOT TO SCALE



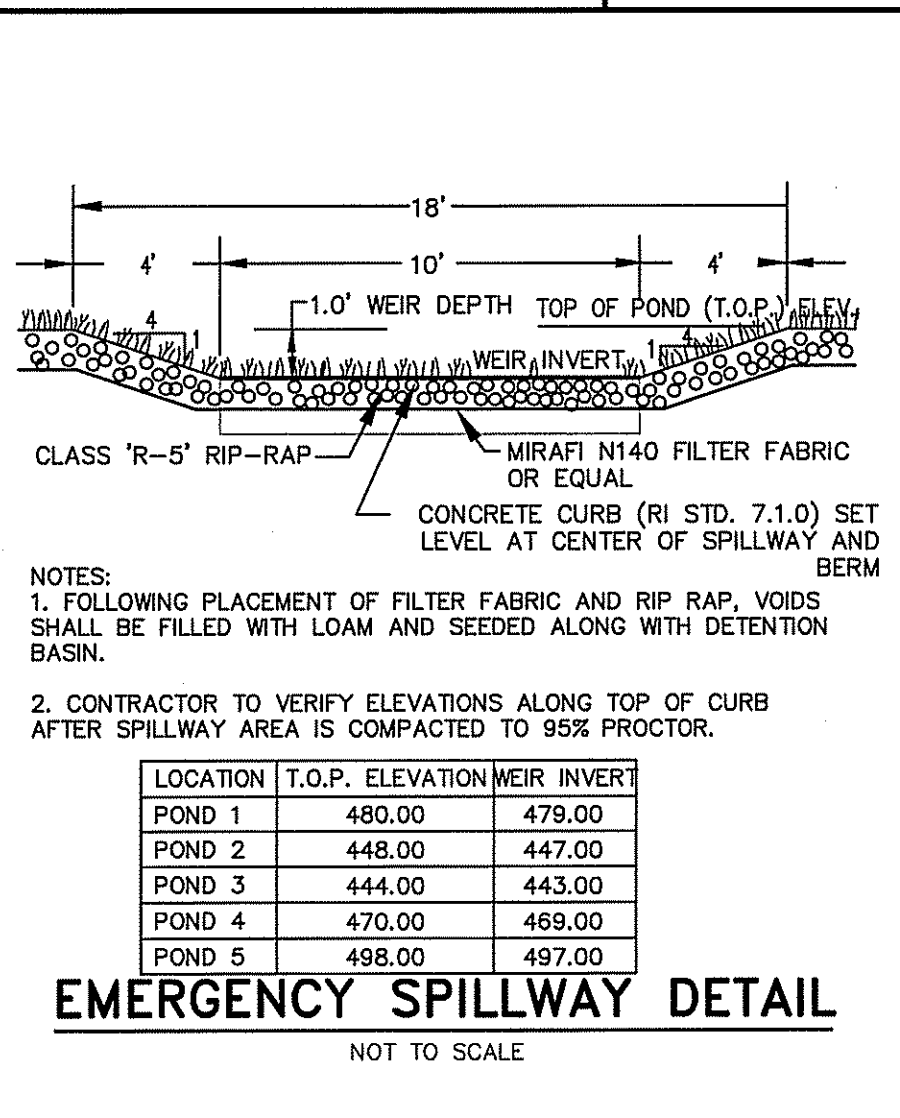
2' WATER QUALITY BERM DETAIL
NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUN 19 2008 FILE # 07-0341
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE.
Christopher D. Wencel

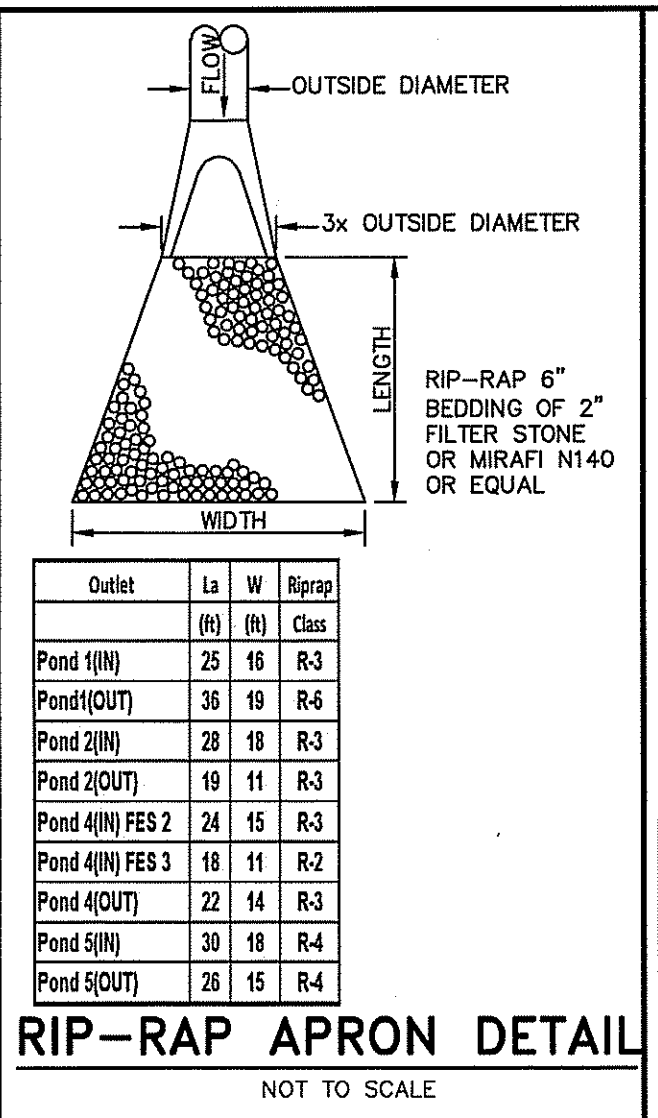


**CAP DETAIL
POND 1, 2, 4, 5**
NOT TO SCALE

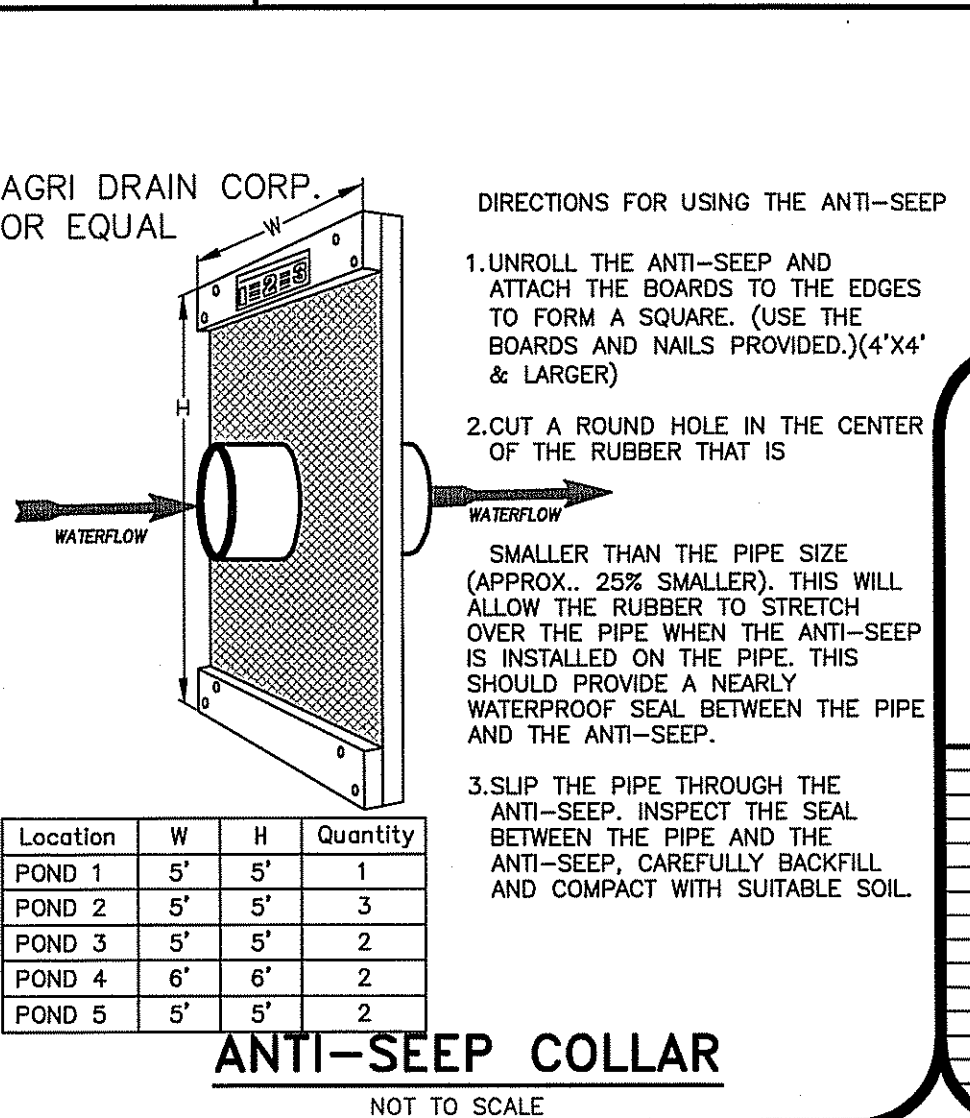
WATER QUALITY OUTLET (TYPICAL)
NOT TO SCALE



EMERGENCY SPILLWAY DETAIL
NOT TO SCALE



RIP-RAP APRON DETAIL
NOT TO SCALE

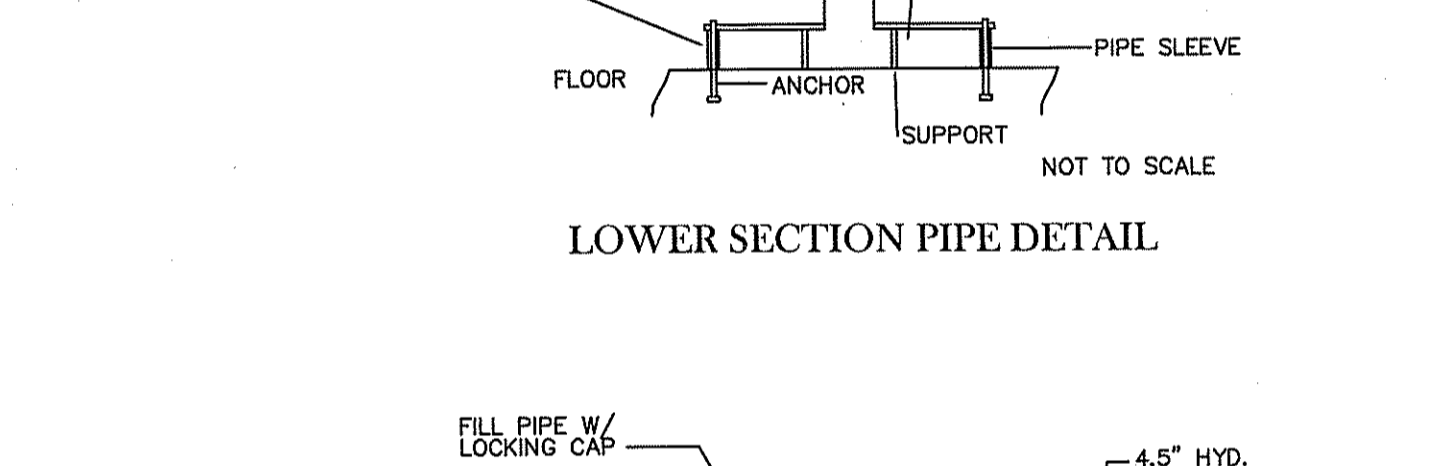
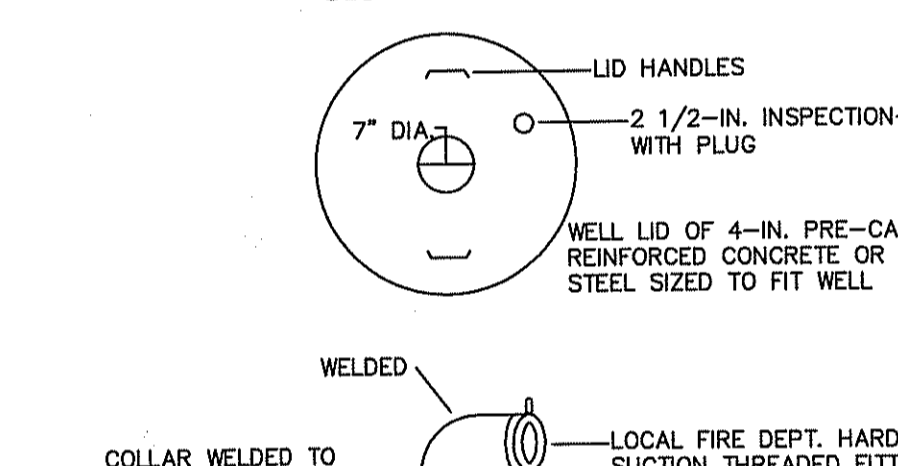
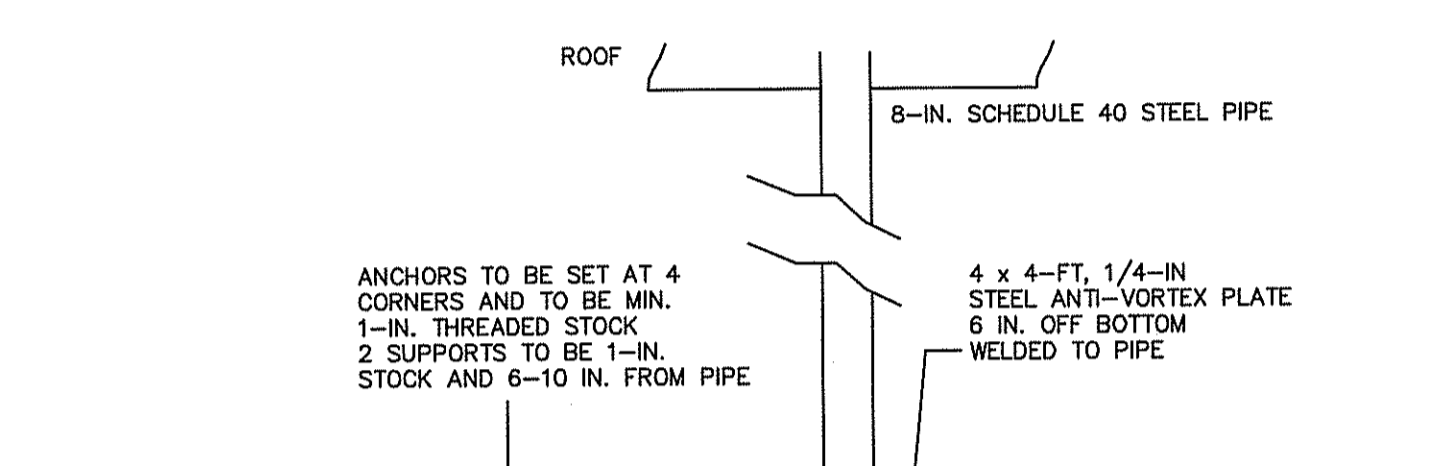
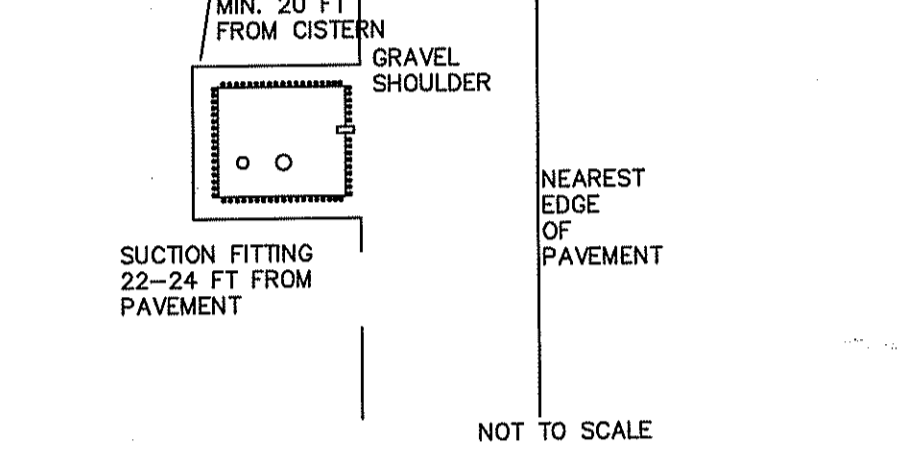
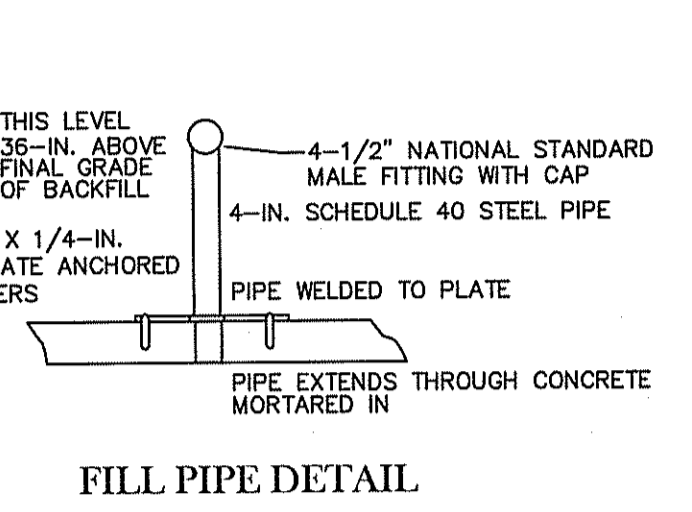
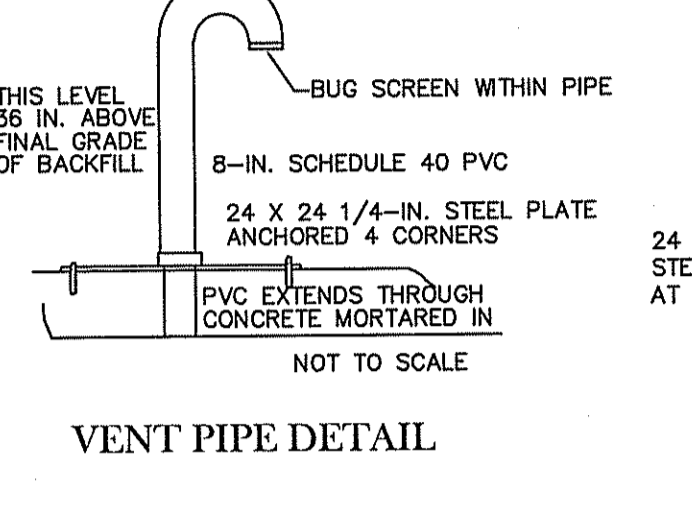
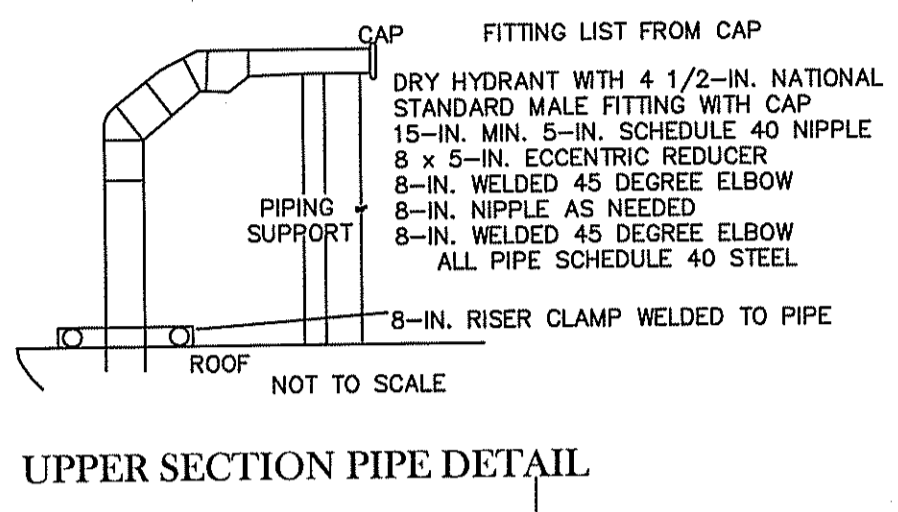
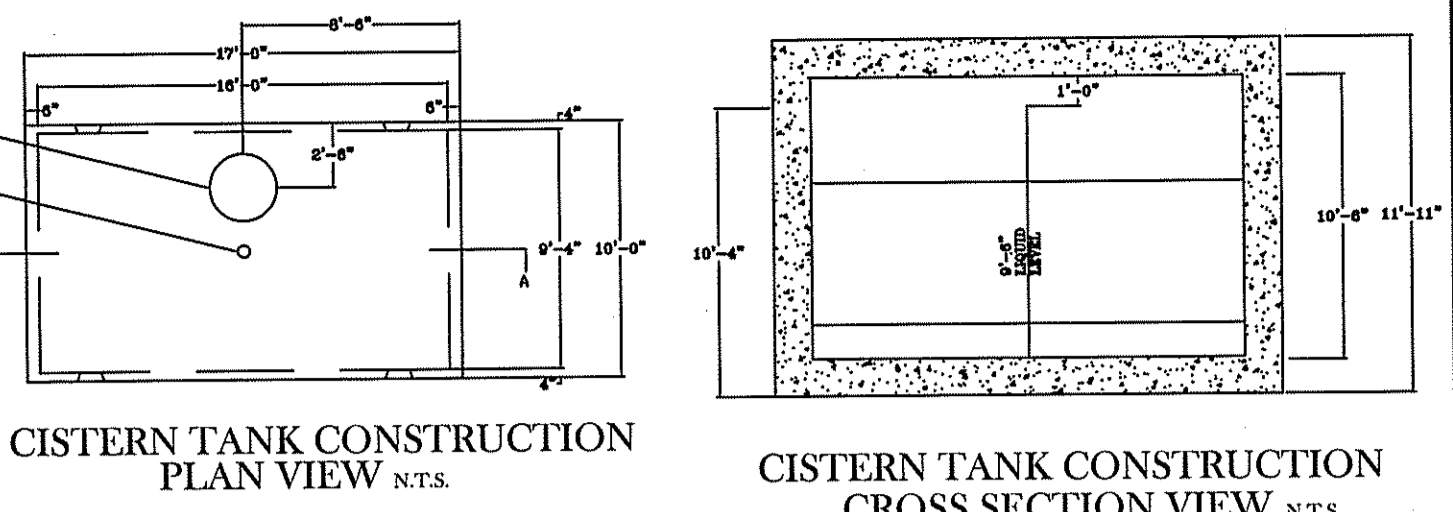
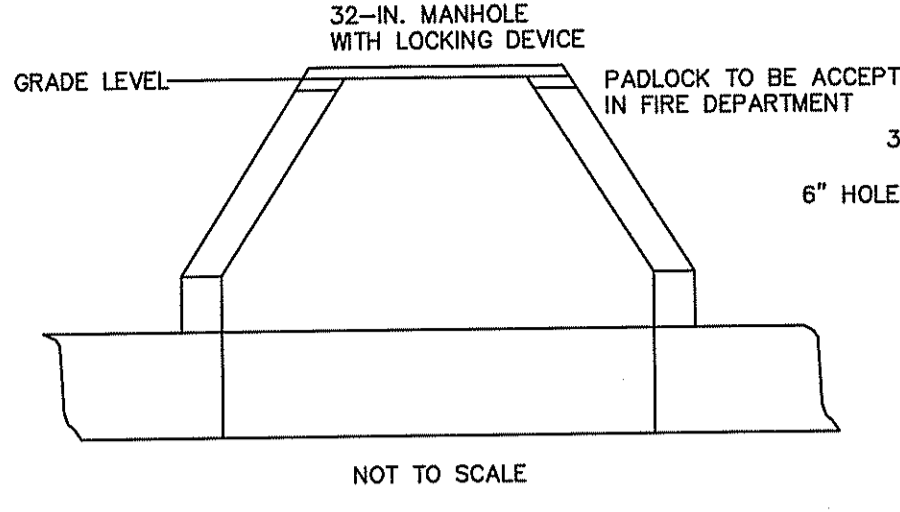


ANTI-SEEP COLLAR
NOT TO SCALE

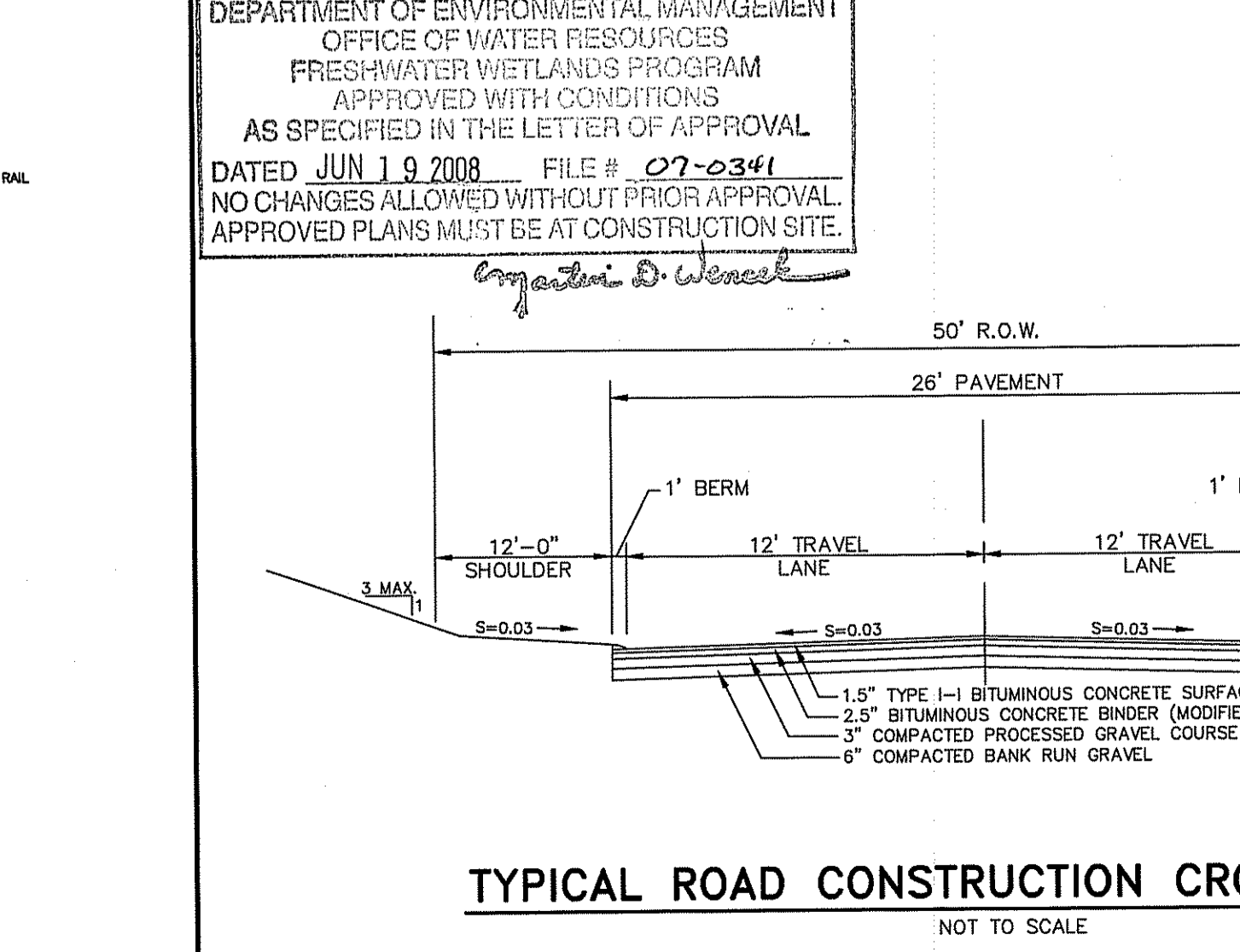
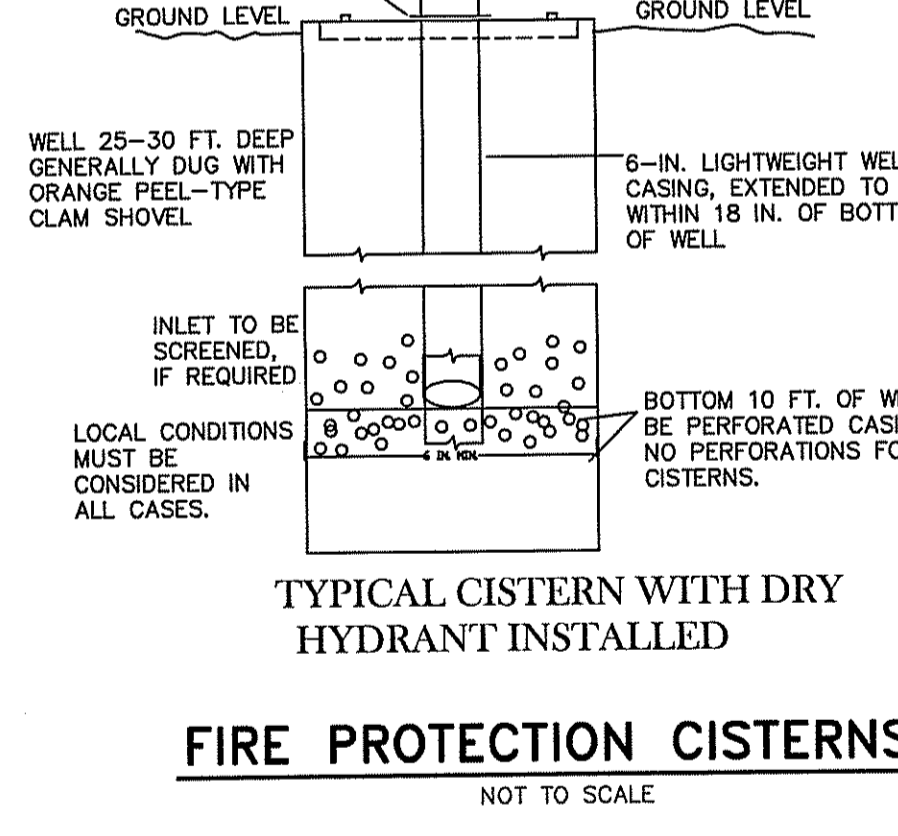
Location	W	H	Quantity
POND 1	5'	5'	1
POND 2	5'	5'	3
POND 3	5'	5'	2
POND 4	6'	6'	2
POND 5	5'	5'	2

DETAIL SHEET - 2
Scituate Highlands
 ASSESSOR'S PLAT 50 LOT 5
 SCITUATE, RHODE ISLAND
 PREPARED BY
DiPrete Engineering Associates, Inc.
 ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
 TWO STAFFORD COURT
 CRANSTON, R.I. 02920
 (401) 943-1000 FAX: (401) 464-6006
 PREPARED FOR
Scituate Highlands, LLC
 44 MAIN STREET
 WAKEFIELD, R.I. 02879
 (401) 284-0011
 AUGUST, 2007
 DWN. BY: E.L.T.
 SHEET 23 OF 24

- SPECIFICATION AND INSTALLATION OF EACH CISTERN AND DRY HYDRANT SHALL BE IN COMPLIANCE WITH NFPA 1142 STANDARD ON WATER SUPPLIES FOR SUBURBAN AND RURAL FIRE FIGHTING (1999 EDITION).
- MAINTENANCE OF THE CISTERNS AND DRY HYDRANTS SHALL BE THE RESPONSIBILITY OF THE SUBDIVISION ASSOCIATION.
- THE DESIGN OF A CISTERN SHOULD BE TROUBLE-FREE AND LAST A LIFETIME.
- THE CISTERN CAPACITY SHOULD BE 10,000 GALLONS (37,850 L) MINIMUM, AVAILABLE THROUGH THE SUCTION PIPING SYSTEM.
- THE SUCTION PIPING SYSTEM SHOULD BE CAPABLE OF DELIVERING 1000 GPM (3800 L/MIN) FOR THREE QUARTERS OF THE CISTERN CAPACITY.
- THE DESIGN OF THE CISTERN SHOULD BE SUBMITTED TO THE AUTHORITY HAVING JURISDICTION FOR APPROVAL PRIOR TO CONSTRUCTION. ALL PLANS SHOULD BE SIGNED BY AN ACCEPTABLE REGISTERED PROFESSIONAL ENGINEER.
- THE ENTIRE CISTERN SHOULD BE RATED FOR HIGHWAY LOADING, UNLESS SPECIFICALLY EXEMPTED BY THE AUTHORITY HAVING JURISDICTION.
- ALL DRAWINGS ARE FOR ESTIMATING PURPOSES ONLY AND ARE NOT INTENDED FOR USE AS DESIGN.
- EACH CISTERN SHOULD BE SITED TO THE PARTICULAR LOCATION BY A REGISTERED ENGINEER AND APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- PRECAST CONCRETE SHOULD ACHIEVE A 28-DAY STRENGTH OF 5000 PSIG (34,500 KPa).
- THE CONCRETE SHOULD BE PORTLAND CEMENT TYPE II PER ASTM C150-B1. STEEL REINFORCEMENT PER ASTM A-615 GRADE 60. DESIGN LOADING TO CONFORM TO ASHTO HS-20. TANK JOINTS TO BE SEALED WITH BUTYL RUBBER JOINT SEAL AND EXTERIOR OF TANK COATED WITH BITUMINOUS WATERPROOFING.
- ALL SUCTION AND FILL PIPING SHOULD BE AMERICAN SOCIETY OF TESTING AND MATERIALS (ASTM) SCHEDULE 40 STEEL. ALL VENT PIPING SHOULD BE ASTM SCHEDULE 40 PVC WITH GLUED JOINTS.
- ALL PVC PIPING SHOULD HAVE GLUED JOINTS.
- THE 8 IN. x 5 IN. (20.3 CM x 12.7 CM) ECCENTRIC REDUCER IS AVAILABLE FROM SUPPLIERS.
- THE FINAL SUCTION CONNECTION SHOULD BE A MINIMUM OF 4 1/2 IN. (11.4 CM) NATIONAL STANDARD MALE FITTING W/CAP.
- THE FILLER PIPE SHOULD HAVE ONE (1) 4-1/2" NATIONAL STANDARD MALE FITTING.
- THE ENTIRE CISTERN SHOULD BE COMPLETED AND INSPECTED BEFORE ANY BACKFILLING IS DONE.
- ALL BACKFILL MATERIAL SHOULD BE SCREENED GRAVEL WITH NO STONES LARGER THAN 1 1/2 IN (38 MM) AND SHOULD BE COMPACTED TO 95 PERCENT PER ASTM 1557.
- BEDDING FOR THE CISTERN SHOULD CONSIST OF A MINIMUM OF 12 IN. OF 3/4-IN. TO 1 1/2-IN. CRUSHED, WASHED STONE. COMPACTED. NO FILL SHOULD BE USED UNDER STONE.
- FILLER PIPE WITH 4" STORZ COUPLING AND LOCKING CAP SHOULD BE 36 IN. (91.4 CM) ABOVE FINAL BACKFILL GRADE.
- SUCTION PIPE CONNECTION SHOULD BE 20 IN. TO 24 IN. (51 CM TO 61 CM) ABOVE THE LEVEL OF THE GRAVEL WHERE VEHICLE WHEELS WILL BE LOCATED WHEN CISTERN IS IN USE.
- SUCTION PIPE SHOULD BE SUPPORTED EITHER TO TOP OF TANK OR TO A LEVEL BELOW FROST.
- BASE SHOULD BE DESIGNED SO THAT CISTERN WILL NOT FLOAT WHEN EMPTY.
- PERIMETER OF TANK AT FLOOR/WALL JOINT SHOULD BE SEALED WITH 8-IN. (20.3-CM) PVC WATERSTOP.
- AFTER BACKFILLING, TANK SHOULD BE PROTECTED BY FENCING OR LARGE STONES, AS DEEMED NECESSARY BY LOCAL FIRE DISTRICT.
- BACKFILL OVER THE TANK SHOULD BE:
 - 24" MINIMUM CLEAN FILL OVER 2" STYROFOAM INSULATION ON TOP OF CISTERN.
 - ALL BACKFILL SHOULD EXTEND 10 FT (3.1 M) BEYOND THE EDGE OF THE CISTERN, AND THEN HAVE A MAXIMUM 3:1 SLOPE, LOAMED AND SEEDED.
- BOTTOM OF SUCTION PIPE TO PUMPER CONNECTION SHOULD NOT EXCEED 14 FT (4.25 M) VERTICAL DISTANCE.
- PITCH OF SHOULDER AND VEHICLE PAD FROM EDGE OF PAVEMENT TO PUMPER SUCTION CONNECTION SHOULD BE 1 TO 6 PERCENT DOWNGRADE.
- SHOULDER AND VEHICLE PAD SHOULD BE OF SUFFICIENT LENGTH TO PERMIT CONVENIENT ACCESS TO SUCTION CONNECTION WHEN PUMPER IS SET AT 45 DEGREES TO ROAD.
- ALL CONSTRUCTION, BACKFILL, AND GRADING MATERIAL SHOULD BE IN ACCORDANCE WITH PROPER CONSTRUCTION PRACTICES AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
- ALL HORIZONTAL SUCTION PIPING SHOULD SLOPE SLIGHTLY UPHILL TOWARD PUMPER CONNECTION.
- AS A CONDITION OF FINAL APPROVAL NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL THE FIRE SUPPRESSION CISTERN IS CONSTRUCTED AND FUNCTIONAL.

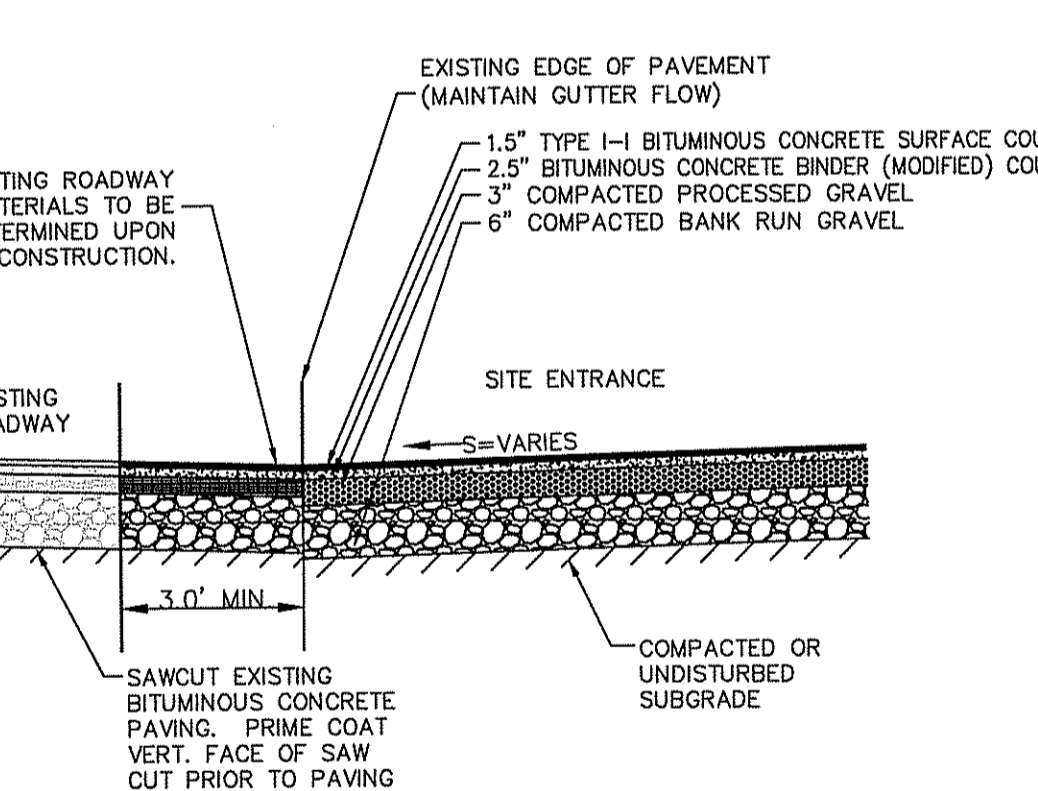


- GENERAL NOTES:**
- EACH CISTERN SHALL BE EQUIPPED WITH A DRY HYDRANT FITTED WITH A 4-1/2 INCH NATIONAL STANDARD MALE FITTING, WITH CAP. SPECIFICATION AND INSTALLATION OF EACH CISTERN AND DRY HYDRANT SHALL BE IN COMPLIANCE WITH NFPA 1142 STANDARD ON WATER SUPPLIES FOR SUBURBAN AND RURAL FIRE FIGHTING (1999 EDITION).
 - MAINTENANCE OF THE CISTERNS AND DRY HYDRANTS SHALL BE THE RESPONSIBILITY OF THE HOME-OWNERS ASSOCIATION.



SEQUENCE OF CONSTRUCTION AND STAGING OF LAND DISTURBING ACTIVITIES

- CONSTRUCTION TO BEGIN IN THE SPRING OF 2008 OR UPON RECEIPT OF ALL NECESSARY APPROVALS.
- SURVEY AND STAKE CENTERLINE OF THE PROPOSED ROADS, DETENTION BASIN, DRAINAGE LINES, AND LIMIT OF SEDIMENTATION BARRIERS/LIMIT OF DISTURBANCE.
- PLACE SEDIMENTATION BARRIERS (HAY BALES OR SILT FENCE) AS SHOWN ON THE PLANS AND STAKED OUT IN THE FIELD. IN NO CASE IS THE LIMIT OF WORK TO EXTEND BEYOND THE SEDIMENTATION BARRIERS.
- BEGIN CLEARING AND GRUBBING IN AREA OF ROADWAY AND DETENTION BASIN. TOPSOIL IS TO BE STRIPPED FROM THE AREA OF THE PROPOSED ROADWAY AND DETENTION BASIN AND STOCKPILED IN APPROVED LOCATIONS. TOPSOIL STOCKPILES ARE TO BE PROTECTED BY A ROW OF SEDIMENTATION BARRIERS AND COVERED OR TEMPORARILY SEEDED.
- EXCAVATE AND GRADE THE PROPOSED DETENTION BASIN AND ROADWAY. TREE LIMBS, LEAVES, BOULDERS, ETC. SHALL BE REMOVED FROM THE BOTTOM OF THE BASIN BEFORE THE APPLICATION OF TOPSOIL. THE DETENTION BASIN SHALL BE PERMANENTLY SEEDED FOLLOWING FINISH GRADING.
- INSTALL DRAIN PIPING, DRAINAGE MANHOLES AND CATCH BASINS BEGINNING AT THE DETENTION BASIN AND WORKING UPGRADIENT. PROTECT DISCHARGE OUTLETS WITH RIP-RAP APRONS. PLACE EROSION CONTROLS AT THE DISCHARGE POINTS AND SEED THE DETENTION BASIN AND DISTURBED AREAS OUTSIDE OF THE AREA TO BE PAVED. THE DETENTION BASIN AND DRAINAGE NETWORK ARE TO BE PROTECTED FROM RUNOFF UNTIL ALL UNSTABILIZED AREAS ARE STABILIZED WITH VEGETATION.
- ONCE THE INSTALLATION OF THE DRAINAGE NETWORK IS COMPLETE UNDERGROUND UTILITIES SUCH AS: ELECTRIC, TELEPHONE AND CABLE IN ACCORDANCE WITH THE APPROVED PLANS.
- PLACE COMPACTED GRAVEL AND ROUGH GRADE THE ROADWAY IN ACCORDANCE WITH THE SITE PLANS AND IN ACCORDANCE WITH THE TOWN OF SCITUATE, RHODE ISLAND, LAND DEVELOPMENT AND SUBDIVISION REGULATIONS.
- PLACE DENSE GRADED CRUSHED STONE AND FINE GRADE PER SITE PLANS AND IN ACCORDANCE WITH THE TOWN OF SCITUATE, RHODE ISLAND, LAND DEVELOPMENT AND SUBDIVISION REGULATIONS.
- PLACE BITUMINOUS ASPHALT BINDER PER SITE PLANS AND IN ACCORDANCE WITH THE TOWN OF SCITUATE, RHODE ISLAND, LAND DEVELOPMENT AND SUBDIVISION REGULATIONS.
- ONCE BITUMINOUS ASPHALT BINDER COURSE IS PLACED, CONSTRUCTION OF INDIVIDUAL SUBDIVISION LOTS MAY COMMENCE. CONSTRUCTION TO INCLUDE SURVEYING AND STAKING OF THE LIMIT OF CLEARING, INSTALLATION OF SEDIMENTATION BARRIERS, CLEARING AND GRUBBING OF INDIVIDUAL LOTS, REMOVAL OF TOPSOIL, GRADING, EXCAVATION FOR FOUNDATION, HOME CONSTRUCTION, ISDS INSTALLATION, WELL AND WATER SERVICE INSTALLATION, DRIVEWAY INSTALLATION AND LANDSCAPING.
- ONCE THE MAJORITY OF THE SITE IS STABILIZED THE DETENTION BASIN AND DRAINAGE NETWORK MAY BE BROUGHT ONLINE WITH THE APPROVAL OF THE DESIGN ENGINEER OR THE TOWN OF SCITUATE.
- ONCE THE MAJORITY OF THE PROPOSED HOMES ARE BUILT AND THE TOWN HAS APPROVED THAT THE BITUMINOUS ASPHALT IS READY FOR BITUMINOUS ASPHALT TOP COAT, INSTALL BITUMINOUS BERM, REGRADE LOAM AND SEED IN RIGHT OF WAY, ADJUST STRUCTURES AND PLACE FINAL BITUMINOUS ASPHALT PAVEMENT.
- ONCE THE MAJORITY OF THE SITE IS STABILIZED THE DETENTION BASIN AND DRAINAGE NETWORK MAY BE BROUGHT ONLINE WITH THE APPROVAL OF THE DESIGN ENGINEER OR THE TOWN OF SCITUATE.
- ONCE THE MAJORITY OF THE PROPOSED HOMES ARE BUILT AND THE TOWN HAS APPROVED THAT THE BITUMINOUS ASPHALT IS READY FOR BITUMINOUS ASPHALT TOP COAT, INSTALL BITUMINOUS BERM, REGRADE LOAM AND SEED IN RIGHT OF WAY, ADJUST STRUCTURES AND PLACE FINAL BITUMINOUS ASPHALT PAVEMENT.
- FINISH PERMANENT STABILIZATION, REPAIR DRAINAGE OUTLETS AND BASIN AS REQUIRED.
- SWEEP THE ROADWAY TO REMOVE ALL SEDIMENTS.
- THE CONTRACTOR SHALL CLEAN AND FLUSH THE DRAINAGE STRUCTURES AND PIPES AT THE END OF CONSTRUCTION AND ALL ACCUMULATED SEDIMENTS IN THE DETENTION BASIN SHALL BE REMOVED.
- REMOVE ALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES FOLLOWING VEGETATIVE ESTABLISHMENT OF ALL DISTURBED AREAS.



ESTABLISHMENT OF VEGETATIVE COVER

- SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON. THE CONTRACTOR SHOULD INITIATE APPROPRIATE VEGETATIVE PRACTICES ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS THE ACTIVITY IS TO RESUME WITHIN TWENTY-ONE (21) DAYS.
- ALL HAY BALES/SILT FENCE, TEMPORARY TREATMENTS (HAY, STRAW, ETC.), AND TEMPORARY PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. HAY BALES/SILT FENCE SHALL BE INSPECTED BY THE CONTRACTOR WITHIN 24 HOURS AFTER EACH STORM EVENT OR EVERY 7 DAYS, WHICHEVER COMES FIRST. FOR UNDERMINING AND DETRIORATION, THE HAY BALES/SILT FENCE SHALL BE REPAIRED OR REPLACED AS WARRANTED. THE CONTRACTOR SHALL CLEAN THE ACCUMULATED SEDIMENT IF HAY OF THE ORIGINAL HEIGHT OF THE HAY BALES/SILT FENCE BECOMES FILLED IN WITH SEDIMENT. A STORM EVENT SHALL BE DEFINED AS 0.25 INCHES OF RAIN WITHIN A 24-HOUR PERIOD. THE HAY BALES/SILT FENCE SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED. FOLLOWING CONFIRMATION FROM THE TOWN OF SCITUATE AND/OR THE DESIGN ENGINEER THAT AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER HAS BEEN ESTABLISHED THE HAY BALES/SILT FENCE SHALL BE REMOVED.
- THE CONTRACTOR SHALL MAINTAIN ALL TOPSOIL STOCKPILES AND SEDIMENT BARRIERS THROUGHOUT CONSTRUCTION. EXCESSIVE CARE SHALL BE TAKEN TO ENSURE THAT SEDIMENTS DO NOT SPILL OVER THE SEDIMENT BARRIER. HAY BALES OR SILT FENCE SHALL BE STAKED AROUND THE STOCKPILES.
- ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDED, PROTECTED, AND MAINTAINED BY THE CONTRACTOR FOLLOWING FINAL CONSTRUCTION. THE CONTRACTOR SHALL CHECK REGULARLY ALL SEEDED AREAS TO SEE THAT A GOOD STAND OF VEGETATION IS MAINTAINED. THE CONTRACTOR MUST REPAIR OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE OWNER.
- ALL HAY BALES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
- ALL FILL SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH LOCAL MUNICIPAL REQUIREMENTS AND THE RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE SECTION 202.
- 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/OR STABILIZED.
- ALL AREAS PROPOSED TO BE VEGETATED THAT ARE DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT SEEDED IMMEDIATELY FOLLOWING FINISH GRADING. PERMANENTLY SEEDED AREAS SHALL BE PROTECTED DURING ESTABLISHMENT WITH MULCH. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. VIGOROUS VEGETATION SHALL BE MAINTAINED. BARE OR ERODED AREAS SHALL BE IMMEDIATELY REPAIRED AND RESEEDED BY THE CONTRACTOR. ACTIVITIES SHALL BE CONFINED TO WITHIN THE LIMIT OF WORK AS SHOWN ON THE PLANS.
- MAXIMUM PERMANENT GRADED SLOPE WITHIN THE SITE IS TO BE 3:1 UNLESS NOTED OTHERWISE.
- THE CONSTRUCTION SUPERINTENDENT SHALL HAVE OVERALL RESPONSIBILITY FOR IMPLEMENTATION AND FOR SEEING THAT THE APPROPRIATE WORKERS ARE AWARE OF THE PROVISIONS OF THE PLAN. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE OWNER.
- REFERENCE THE "RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL HANDBOOK" PREPARED BY THE USDA SOIL CONSERVATION SERVICE 1989 AS A GUIDE.

NON STRUCTURAL MEASURES

- CONSTRUCTION TRAFFIC SHALL BE LIMITED TO THE ACCESS ROAD, UTILITY EASEMENTS AND AREAS TO BE GRADED.
- A STONE STABILIZATION PAD IS LOCATED AT THE SITE ENTRANCE TO REDUCE THE TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC RIGHT OF WAY.
- TOPSOIL SHALL BE STRIPPED FROM AREAS TO BE GRADED AND STOCKPILED FOR LATER USE. STOCKPILE LOCATION SHALL BE SUBJECT TO APPROVAL BY THE PROJECT ENGINEER. A SEDIMENT BARRIER SHALL SURROUND ALL TOPSOIL STOCKPILES.
- HAY BALES OR SILT FENCE SHALL BE INSTALLED DOWNSTREAM OUTSIDE THE LIMITS OF ANY PROPOSED CONSTRUCTION AS SHOWN ON THE SITE PLANS AND PRIOR TO THE COMMENCEMENT OF THE PROPOSED ALTERATION.
- ALL TYPES OF WASTE GENERATED AT THE SITE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH STATE LAW AND/OR REGULATION. CONSTRUCTION DEBRIS SHALL BE DISPOSED OF DAILY TO AVOID EXPOSURE TO PRECIPITATION.
- THE CONSTRUCTION SUPERINTENDENT SHALL HAVE OVERALL RESPONSIBILITY FOR PLAN IMPLEMENTATION OF NON-STRUCTURAL MEASURES AND FOR SEEING THAT THE APPROPRIATE WORKERS ARE AWARE OF THE PROVISIONS OF THE PLAN.
- REFERENCE THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE USDA SOIL CONSERVATION SERVICE 1989, AS A GUIDE.

STRUCTURAL MEASURES

- RUNOFF WATER QUALITY IS IMPROVED UTILIZING EXTENDED DRY DETENTION BASINS. DETENTION OF THE DETENTION BASINS SHALL BE SUPERVISED BY THE DESIGN ENGINEER. THE DETENTION BASINS SHALL BE BUILT TO CONTROL RUNOFF FOR 2 THROUGH 100 YEAR STORM FREQUENCIES. SIDE SLOPES WITHIN THE DETENTION BASIN SHALL BE 3:1 MAXIMUM, UNLESS NOTED OTHERWISE. ALL EMBANKMENTS OF THE BASIN SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH THE RHODE ISLAND STANDARD SPECIFICATION SECTION 202. THE EMERGENCY SPILLWAY SHALL BE PROTECTED BY RIP RAP DOWNSTREAM AND UPSTREAM. A GRADUATED GAGE IS TO BE SET WITHIN THE BASIN TO MONITOR ACCUMULATED SEDIMENTS. A REPORT AND PLAN OF AS-BUILT CONSTRUCTION SHALL BE AVAILABLE TO THE TOWN OF SCITUATE.
- RIP RAP APRONS AND/OR LEVEL SPREADERS SHALL BE INSTALLED AT THE OUTLETS OF ALL DRAINAGE PIPES.
- THE CONSTRUCTION SUPERINTENDENT SHALL HAVE THE OVERALL RESPONSIBILITY FOR STRUCTURAL MEASURE IMPLEMENTATION AND FOR SEEING THAT THE APPROPRIATE WORKERS ARE AWARE OF THE PROVISIONS OF THE PLAN.
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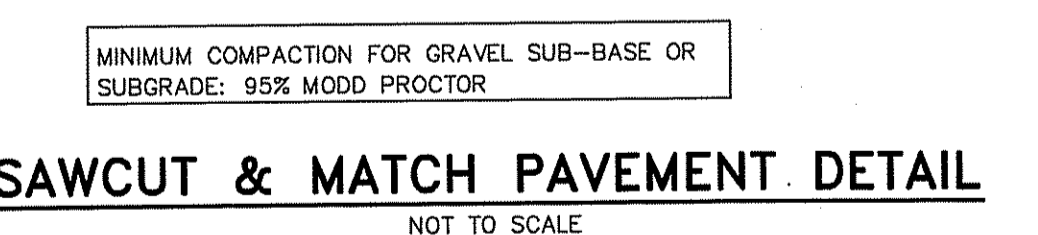
MAINTENANCE: SHORT TERM/LONG TERM

- THE STONE STABILIZATION PAD AT THE SITE ENTRANCE SHALL BE MAINTAINED BY THE CONTRACTOR. THE MAINTENANCE SHALL INCLUDE TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND OR AS DIRECTED BY THE ENGINEER. ALL SEDIMENTS SPILLED, DROPPED, WASHED, OR TRACKED ON THE PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
- ALL HAY BALES/SILT FENCE, TEMPORARY TREATMENTS (HAY, STRAW, ETC.), AND TEMPORARY PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. HAY BALES/SILT FENCE SHALL BE INSPECTED BY THE CONTRACTOR WITHIN 24 HOURS AFTER EACH STORM EVENT OR EVERY 7 DAYS, WHICHEVER COMES FIRST. FOR UNDERMINING AND DETRIORATION, THE HAY BALES/SILT FENCE SHALL BE REPAIRED OR REPLACED AS WARRANTED. THE CONTRACTOR SHALL CLEAN THE ACCUMULATED SEDIMENT IF HAY OF THE ORIGINAL HEIGHT OF THE HAY BALES/SILT FENCE BECOMES FILLED IN WITH SEDIMENT. A STORM EVENT SHALL BE DEFINED AS 0.25 INCHES OF RAIN WITHIN A 24-HOUR PERIOD. THE HAY BALES/SILT FENCE SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED. FOLLOWING CONFIRMATION FROM THE TOWN OF SCITUATE AND/OR THE DESIGN ENGINEER THAT AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER HAS BEEN ESTABLISHED THE HAY BALES/SILT FENCE SHALL BE REMOVED.
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- REFERENCE THE "RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL HANDBOOK" PREPARED BY THE USDA SOIL CONSERVATION SERVICE 1989 AS A GUIDE.
- AFTER ACCEPTANCE BY THE TOWN OF SCITUATE, THE TOWN OF SCITUATE SHALL HAVE OVERALL RESPONSIBILITY FOR IMPLEMENTING THE MAINTENANCE PROGRAM FOR THE DETENTION BASIN.
- AFTER ACCEPTANCE OF THE ROADWAY BY THE TOWN OF SCITUATE, THE TOWN OF SCITUATE SHALL HAVE OVERALL RESPONSIBILITY FOR IMPLEMENTING THE MAINTENANCE PROGRAM FOR THE DRAINAGE NETWORK.

STRUCTURAL MEASURES

- RUNOFF WATER QUALITY IS IMPROVED UTILIZING EXTENDED DRY DETENTION BASINS. DETENTION OF THE DETENTION BASINS SHALL BE SUPERVISED BY THE DESIGN ENGINEER. THE DETENTION BASINS SHALL BE BUILT TO CONTROL RUNOFF FOR 2 THROUGH 100 YEAR STORM FREQUENCIES. SIDE SLOPES WITHIN THE DETENTION BASIN SHALL BE 3:1 MAXIMUM, UNLESS NOTED OTHERWISE. ALL EMBANKMENTS OF THE BASIN SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH THE RHODE ISLAND STANDARD SPECIFICATION SECTION 202. THE EMERGENCY SPILLWAY SHALL BE PROTECTED BY RIP RAP DOWNSTREAM AND UPSTREAM. A GRADUATED GAGE IS TO BE SET WITHIN THE BASIN TO MONITOR ACCUMULATED SEDIMENTS. A REPORT AND PLAN OF AS-BUILT CONSTRUCTION SHALL BE AVAILABLE TO THE TOWN OF SCITUATE.
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUN 19 2008 FILE # 07-0341
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.



APR 8 2008

DETAIL SHEET -- 3

Scituate Highlands
ASSESSOR'S PLAT 50 LOT 5
SCITUATE, RHODE ISLAND

PREPARED BY
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ENGINEERING, SURVEYING AND PLANNING CONSULTANTS
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AUGUST, 2007
DWN. BY: E.L.T.

SHEET 24 OF 24

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